

Town of Pound Ridge

Diane Briganti, Assessor



Tel.: 914-764-5511

Fax: 914-764-0102

MEMORANDUM

**TO: KEVIN HANSAN, SUPERVISOR
AND THE TOWN BOARD**

FROM: DIANE BRIGANTI, ASSESSOR

DATE: DECEMBER 9, 2021

**SUBJECT: AMEND LOCAL LAW TO ADOPT INCREASED VETERANS
EXEMPTION RATES PURSUANT TO ADOPTION BY
WESTCHESTER COUNTY ON THE 2022 ROLL**

Westchester County has finalized and adopted new higher rates for the Alternative Veterans Exemption, see Certified Veterans Exemption Final Bill attached, and is asking all municipalities in Westchester County to consider adopting the new rates for the Town portion.

Our current exemption allocations are \$63,000, \$42,000 and \$210,000. The new amounts will be \$75,000, \$50,000 and \$250,000 as maximums.

This applies as War Vet, War Combat, and Disabled.

It is applied as a maximum in each category, and the exemption is calculated at a percentage of that maximum and then multiplied by the Eq.Rate to create an assessment amount that is then subtracted from the total assessment for the town and county portion.

I will present some comparison amount estimates on Dec. 14th.

I have also included a copy of the Town of North Salem's amendment to their local law for this exemption, as a sample. Section A has a good description of the calculation.

Thank you

established a sales price differential factor for the purpose of the STAR exemption for at least three consecutive years. Westchester County qualifies as such a municipality.⁴

Increasing the cap will provide property tax relief for those who have served our country. Further, it will fulfill the purpose of our local law, which is to provide “the maximum possible real property tax exemption provided for” in State law. *See* Laws of Westchester § 473.101.

Your Committee is aware that this Honorable Board must comply with the requirements of the State Environmental Quality Review Act (“SEQRA”) and its implementing regulations. *See* Title 6, Part 617 of the New York Code Rules and Regulations (N.Y.C.R.R.). The Department of Planning has reviewed the applicable SEQRA regulations, and has concluded that this proposed Local Law is not an action which requires any environmental review. Your Committee concurs in this conclusion.

In light of all of the foregoing, your Committee recommends the adoption of this Local Law.

⁴ *See* <https://www.tax.ny.gov/pit/property/star/diff.htm>

Dated: May 17, 2021
White Plains, New York

The following members attended the meeting remotely, as per Governor Cuomo's Executive Order 202.1 and approved this item out of Committee with an affirmative vote. Their electronic signature was authorized and is below.

Committee(s) on:

Budget & Appropriations

Nancy E. Dan

Margaret A. Cunzio

Catherine F. Parker

Ruth Walker

Alfreda Willes

Ty H. C.


Legislation

Nancy E. Dan

Mary Jane Skimsky

Alfreda Willes

TO: Justin Adin, Deputy County Attorney
Department of Law

FROM: David S. Kvinge, AICP, RLA, CFM 
Director of Environmental Planning

DATE: May 6, 2021

SUBJECT: STATE ENVIRONMENTAL QUALITY REVIEW FOR
VETERAN'S TAX EXEMPTION INCREASE

PROJECT/ACTION: A local law that will increase the real property tax exemption for military veterans by amending Chapter 473 of the Laws of Westchester County to increase the assessed value caps, as permitted under State law.

With respect to the State Environmental Quality Review Act and its implementing regulations 6 NYCRR Part 617, the Planning Department recommends that no further environmental review is required because the project/action:

- DOES NOT MEET THE DEFINITION OF AN "ACTION" AS DEFINED UNDER SECTION 617.2(b)
- MAY BE CLASSIFIED AS TYPE II PURSUANT TO SECTION 617.5(c)():
-

COMMENTS: None

DSK/cnm

cc: Andrew Ferris, Chief of Staff
Steven Bass, Assistant to the County Executive
Victor Mallison, Executive Director, Tax Commission
Norma Drummond, Commissioner
Claudia Maxwell, Associate Environmental Planner

rating; provided, however, that such exemption shall not exceed ~~[one hundred eighty]~~two hundred fifty thousand dollars or the product of ~~[one hundred eighty]~~two hundred fifty thousand dollars multiplied by the latest state equalization rate for the assessing unit. For purposes of this subdivision, where a person who served in the active military, naval or air service during a period of war died in service of a service connected disability, such person shall be deemed to have been assigned a compensation rating of one hundred percent.

Section 2: Section 473.321 of the Laws of Westchester County is hereby amended to read as follows:

1. Qualifying residential real property shall be exempt from taxation to the extent of fifteen percent (15%) of the assessed value of such property; provided however, that such exemption shall not exceed ~~[fifty-four]~~seventy-five thousand dollars [(\$54,000)] or the product of ~~[fifty-four]~~seventy-five thousand dollars [(\$54,000)] multiplied by the latest state equalization rate for the assessing unit, or, in the case of a special assessing unit, the latest class ratio, whichever is less.

2. In addition to the exemption provided by subdivision "1" of this Section, where the Cold War veteran received a compensation rating from the United States veterans affairs or from the United States department of defense because of a service related disability, qualifying residential real property shall be exempt from taxation to the extent of the product of the assessed value of such property, multiplied by fifty percent of the Cold war veteran disability rating; provided, however, that such exemption shall not exceed ~~[one hundred eighty]~~two hundred fifty thousand dollars [(\$180,000)] or the product of ~~[one hundred eighty]~~two hundred fifty thousand dollars [(\$180,000)] multiplied by the latest state equalization rate for

STATE OF NEW YORK)
) ss.
COUNTY OF WESTCHESTER)

I HEREBY CERTIFY that I have compared the foregoing Local Law, Local Law Intro No. 311 - 2021, with the original on file in my office, and that the same is a correct transcript therefrom, and of the whole, of the said original Local Law, which was duly adopted by the County Board of Legislators, of the County of Westchester on June 7, 2021, and approved by the County Executive on June 10, 2021.

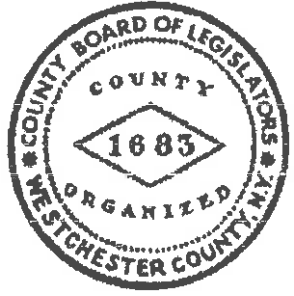
IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Corporate Seal of said County Board of Legislators on this 15th day of June, 2021.

Malik Van

Malika Vanderberg

The Clerk of the Westchester County
Board of Legislators

County of Westchester, New York





**TOWN OF
POUND RIDGE**
Incorporated 1788

Town of Pound Ridge Planning Board

**NOTICE OF INTENT
TO DECLARE LEAD AGENCY PURSUANT TO SEQRA**

914-764-5511

To: Town of Pound Ridge Town Board
Town of Pound Ridge Landmarks and Historic District Commission
Town of Pound Ridge Economic Development Committee
Town of Pound Ridge Assessor
Westchester County Department of Planning
NY State DOT Region 8
NY State DEC Region 3
NY State OPRHP

From: Christeen CB Dür, Administrator for the Planning Board

Date: December 1, 2021

Subject: Pound Ridge Library Application for
Residential Site Plan Approval for an Existing Special Use
Parking Lot Expansion

The Planning Board of the Town of Pound Ridge has received an Application for Residential Site Plan Approval from The Pound Ridge Library Board of Trustees (the "Owner" or "Applicant") for the expansion of the Hiram Halle Memorial Library parking lot located at 271 Westchester Avenue (NYS Route 124/137) in the R-2A Zoning District (the "Project" or "Proposed Action").

The Planning Board hereby declares its intent to serve as Lead Agency with regard to this Proposed Action under the requirements of the New York State Environmental Quality Review Act (SEQRA).

In accordance with the provisions of SEQRA, unless you submit written objection to the Planning Board within thirty (30) days from the mailing of this notification, the Planning Board will automatically assume the role of Lead Agency.

Enclosed with this notice are Part 1 of the Environmental Assessment Form (EAF) and the complete application for the Project, which have been submitted by the Applicant.

Enclosures



Hon. Michele Rudolph, AIA, Chairperson
and Members of the Planning Board

November 4, 2021

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- d. Grading Plan, Sheet No. SD-202;
 - e. Drainage & Utility Plan, Sheet No. SD-203;
 - f. Erosion & Sediment Control Plan, Sheet No. SD-204;
 - g. Lighting Plan, Sheet No. SD-205;
 - h. Profiles, Sheet No. SD-301;
 - i. Details, Sheet No. SD-401; and
 - j. Details, Sheet No. SD-402;
3. Planting Plan, Sheet No. L-1, prepared by IQ Landscape Architects, last revised October 18, 2021; and
 4. Property Survey, prepared by Badey & Watson Surveying and Engineering, dated October 31, 2019.

Also enclosed is the Library's check, in the amount of \$4,000, payable to the Town, to establish an escrow review account. We understand that the Site Plan Application Fee is being waived in consideration of the Library's not-for-profit status.

Background & Existing Conditions. In 1970, the Library obtained approval from the Planning Board to subdivide the Library Property and surrounding lands into four lots (Filed Map No. 17220). The Library Property is Lot 3 on the Filed Map; Lots 1 and 2 are "flag lots," the main portions of which are located to the east and rear of the Library Property. At the time the Map was filed, an easement for common access among the Property and Lots 1 and 2 was recorded in the Westchester County Clerk's Office, which has subsequently been modified.

Under its current configuration, the existing driveway that provides access to the Library Property commences at the Library's Westchester Avenue curb cut, crosses onto the twenty-five (25) foot "poles" of Lots 1 and 2 and sweeps back onto the Library Property and into the existing parking lot. The driveway then continues in an easterly direction to the rear property line where it crosses onto Lot 1 (Tax Lot #9820-74 (Carmichael)) and Lot 2 (Tax Lot #9280-35 (Pierce)).

We estimate that the Library currently has approximately twenty-four (24) unstriped parking spaces on the Property, one (1) of which is intended for handicap persons.

The Project. The purpose of the project is to add fifty (50) new parking spaces on the Library Property, neaten up existing parking, improve vehicular and pedestrian circulation including by separating vehicular and pedestrian movements from one another to reduce potential conflicts, and improve lighting and landscaping on the Property. Eighteen (18) striped parking spaces (including two (2) handicap-accessible spaces) will be established in areas along the existing driveway that are already paved and in the existing parking area, and fifty-six (56) new spaces will be constructed in a lot to be created east of where the existing parking is located. The portion of the existing driveway that continues past the existing parking to Lots 1 and 2 will be abandoned, the ground area will be planted

Hon. Michele Rudolph, AIA, Chairperson
and Members of the Planning Board

November 4, 2021

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Matthew A. DeCecco, E.I.T.

John A. Imbiano, ASLA

Mr. Richard Esman, President, Library Board of Directors

Ms. Bonnie Schwartz, Vice-President, Library Board of Directors

Town of Pound Ridge

Diane Briganti, Assessor



Tel.: 914-764-5511

Fax: 914-764-0102

MEMORANDUM

**TO: KEVIN HANSAN, SUPERVISOR
AND THE TOWN BOARD**

FROM: DIANE BRIGANTI, ASSESSOR

DATE: DECEMBER 9, 2021

**SUBJECT: AMEND LOCAL LAW TO ADOPT INCREASED VETERANS
EXEMPTION RATES PURSUANT TO ADOPTION BY
WESTCHESTER COUNTY ON THE 2022 ROLL**

Westchester County has finalized and adopted new higher rates for the Alternative Veterans Exemption, see Certified Veterans Exemption Final Bill attached, and is asking all municipalities in Westchester County to consider adopting the new rates for the Town portion.

Our current exemption allocations are \$63,000, \$42,000 and \$210,000. The new amounts will be \$75,000, \$50,000 and \$250,000 as maximums.

This applies as War Vet, War Combat, and Disabled.

It is applied as a maximum in each category, and the exemption is calculated at a percentage of that maximum and then multiplied by the Eq.Rate to create an assessment amount that is then subtracted from the total assessment for the town and county portion.

I will present some comparison amount estimates on Dec. 14th.

I have also included a copy of the Town of North Salem's amendment to their local law for this exemption, as a sample. Section A has a good description of the calculation.

Thank you

LOCAL LAW INTRO NO. 311 - 2021

TO: BOARD OF LEGISLATORS
COUNTY OF WESTCHESTER

Your Committee has reviewed "A LOCAL LAW amending Chapter 473 of the Laws of Westchester County to Increase Veteran's Tax Exemptions."

Your Committee is aware that Chapter 473 of the Laws of Westchester County provides for real property tax exemptions for veterans, and was adopted pursuant to authority granted by the New York State Real Property Tax Law. Under Chapter 473, veterans receive an exemption equal to fifteen percent of the assessed value of the property, subject to a cap of \$54,000 multiplied by latest state equalization rate for the assessing unit. Veterans who served in a combat theater or combat zone of operations can receive an additional exemption of ten percent, subject to a cap of \$36,000 multiplied by latest state equalization rate for the assessing unit. Service-disabled veterans can receive an additional exemption equal to half of the veteran's disability rating, subject to a cap of \$180,000 multiplied by latest state equalization rate for the assessing unit.

Your Committee is informed that the County is entitled to increase those caps. Pursuant to State law, the County can increase the caps to \$75,000, \$50,000, and \$250,000, respectively, as long as the County is a "high-appreciation municipality."¹ A high-appreciation municipality includes any county where the Office of Real Property Tax Services has

¹ See https://www.tax.ny.gov/research/property/assess/manuals/vol4/pt1/sec4_01/sec458_a.htm;
https://www.tax.ny.gov/research/property/assess/manuals/vol4/pt1/sec4_01/sec458_b.htm

established a sales price differential factor for the purpose of the STAR exemption for at least three consecutive years. Westchester County qualifies as such a municipality.⁴

Increasing the cap will provide property tax relief for those who have served our country. Further, it will fulfill the purpose of our local law, which is to provide “the maximum possible real property tax exemption provided for” in State law. *See* Laws of Westchester § 473.101.

Your Committee is aware that this Honorable Board must comply with the requirements of the State Environmental Quality Review Act (“SEQRA”) and its implementing regulations. *See* Title 6, Part 617 of the New York Code Rules and Regulations (N.Y.C.R.R.). The Department of Planning has reviewed the applicable SEQRA regulations, and has concluded that this proposed Local Law is not an action which requires any environmental review. Your Committee concurs in this conclusion.

In light of all of the foregoing, your Committee recommends the adoption of this Local Law.

⁴ *See* <https://www.tax.ny.gov/pit/property/star/diff.htm>

Dated: May 17, 2021
White Plains, New York

Vedat Faki
Benjamin Boyfurst
Catherine M

K. J. Szall
Vedat Faki
Benjamin Boyfurst
Catherine M

COMMITTEES ON

Budget & Appropriations

Legislation

Dated: May 17, 2021
White Plains, New York

The following members attended the meeting remotely, as per Governor Cuomo's Executive Order 202.1 and approved this item out of Committee with an affirmative vote. Their electronic signature was authorized and is below.

Committee(s) on:

Budget & Appropriations

Nancy E. Barr

Margaret A. Conzio

Catherine F. Parker

Ruth Walker

Alfred Willis

Tyler H. [Signature]

Legislation

Nancy E. Barr

Mary Jane Schimsky

Alfred Willis

FISCAL IMPACT STATEMENT

SUBJECT: Cold War Veteran RPT Exemption NO FISCAL IMPACT PROJECTED

OPERATING BUDGET IMPACT

To Be Completed by Submitting Department and Reviewed by Budget

SECTION A - FUND

GENERAL FUND AIRPORT FUND SPECIAL DISTRICTS FUND

SECTION B - EXPENSES AND REVENUES

Total Current Year Expense \$ _____

Total Current Year Revenue \$ _____

Source of Funds (check one): Current Appropriations Transfer of Existing Appropriations

Additional Appropriations Other (explain)

Identify Accounts: _____

Potential Related Operating Budget Expenses: Annual Amount \$ _____

Describe: _____

Potential Related Operating Budget Revenues: Annual Amount \$ _____

Describe: _____

Anticipated Savings to County and/or Impact on Department Operations:

Current Year: _____

Next Four Years: _____

Prepared by: Gideon Grande

Title: Deputy Director

Department: Budget

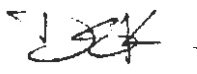
Date: April 30, 2021

Reviewed By: 

Budget Director

Date: 4/30/21

TO: Justin Adin, Deputy County Attorney
Department of Law

FROM: David S. Kvinge, AICP, RLA, CFM 
Director of Environmental Planning

DATE: May 6, 2021

SUBJECT: STATE ENVIRONMENTAL QUALITY REVIEW FOR
VETERAN'S TAX EXEMPTION INCREASE

PROJECT/ACTION: A local law that will increase the real property tax exemption for military veterans by amending Chapter 473 of the Laws of Westchester County to increase the assessed value caps, as permitted under State law.

With respect to the State Environmental Quality Review Act and its implementing regulations 6 NYCRR Part 617, the Planning Department recommends that no further environmental review is required because the project/action:

- DOES NOT MEET THE DEFINITION OF AN "ACTION" AS DEFINED UNDER SECTION 617.2(b)
- MAY BE CLASSIFIED AS TYPE II PURSUANT TO SECTION 617.5(c)():
-

COMMENTS: None

DSK/cnm

cc: Andrew Ferris, Chief of Staff
Steven Bass, Assistant to the County Executive
Victor Mallison, Executive Director, Tax Commission
Norma Drummond, Commissioner
Claudia Maxwell, Associate Environmental Planner

LOCAL LAW INTRO. NO. 311 -2021

A LOCAL LAW amending Chapter 473 of the Laws of Westchester County to Increase Veteran's Tax Exemptions

BE IT ENACTED by the County Board of the County of Westchester as follows:

Section 1: Section 473.211 of the Laws of Westchester County is hereby amended to read as follows:

1. Qualifying residential real property, as defined in New York State Real Property Tax Law Section 458-a, shall be exempt from taxation to the extent of fifteen percent of the assessed value of such property; provided, however, that such exemption shall not exceed ~~[fifty-four]~~seventy-five thousand dollars or the product of ~~[fifty-four]~~seventy-five thousand dollars multiplied by the latest state equalization rate for the assessing unit.

2. In addition to the exemption provided by subdivision one of this Section, where the veteran served in a combat theatre or combat zone of operations, as documented by the award of a United States campaign ribbon or service medal, qualifying residential real property, as defined in New York State Real Property Tax Law Section 458-a, shall be exempt from taxation to the extent of ten percent of the assessed value of such property; provided, however, that such exemption shall not exceed ~~[thirty-six]~~fifty thousand dollars or the product of ~~[thirty-six]~~fifty thousand dollars multiplied by the latest state equalization rate for the assessing unit.

3. In addition to the exemptions provided by subdivisions one and two of this Section, where the veteran received a compensation rating from the United States veteran's administration or from the United States department of defense because of a service connected disability, qualifying residential real property, as defined in New York State Real Property Tax Law Section 458-a, shall be exempt from taxation to the extent of the product of the assessed value of such property multiplied by fifty percent of the veteran's disability

rating; provided, however, that such exemption shall not exceed [~~one hundred eighty~~]two hundred fifty thousand dollars or the product of [~~one hundred eighty~~]two hundred fifty thousand dollars multiplied by the latest state equalization rate for the assessing unit. For purposes of this subdivision, where a person who served in the active military, naval or air service during a period of war died in service of a service connected disability, such person shall be deemed to have been assigned a compensation rating of one hundred percent.

Section 2: Section 473.321 of the Laws of Westchester County is hereby amended to read as follows:

1. Qualifying residential real property shall be exempt from taxation to the extent of fifteen percent (15%) of the assessed value of such property; provided however, that such exemption shall not exceed [~~fifty-four~~]seventy-five thousand dollars [(\$54,000)]or the product of [~~fifty-four~~]seventy-five thousand dollars [(\$54,000)]multiplied by the latest state equalization rate for the assessing unit, or, in the case of a special assessing unit, the latest class ratio, whichever is less.

2. In addition to the exemption provided by subdivision "1" of this Section, where the Cold War veteran received a compensation rating from the United States veterans affairs or from the United States department of defense because of a service related disability, qualifying residential real property shall be exempt from taxation to the extent of the product of the assessed value of such property, multiplied by fifty percent of the Cold war veteran disability rating; provided, however, that such exemption shall not exceed [~~one hundred eighty~~]two hundred fifty thousand dollars [(\$180,000)]or the product of [~~one hundred eighty~~]two hundred fifty thousand dollars [(\$180,000)]multiplied by the latest state equalization rate for

the assessing unit, or, in the case of a special assessing unit, the latest class ratio, whichever is less.

3. If a Cold War veteran receives either a veterans' exemption under Article I of this Chapter, authorized by Section 458 of the Real Property Tax Law, or an alternative veterans' exemption under Article II of this Chapter, authorized by Section 458-a of the Real Property Tax Law, the Cold War veteran shall not be eligible to receive an exemption under this Article.

Section 3: This Local Law shall take effect immediately.

STATE OF NEW YORK)
)
COUNTY OF WESTCHESTER) ss.

I HEREBY CERTIFY that I have compared the foregoing Local Law, Local Law Intro No. 311 - 2021, with the original on file in my office, and that the same is a correct transcript therefrom, and of the whole, of the said original Local Law, which was duly adopted by the County Board of Legislators, of the County of Westchester on June 7, 2021, and approved by the County Executive on June 10, 2021.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Corporate Seal of said County Board of Legislators on this 15th day of June, 2021.



Malika Vanderberg

The Clerk of the Westchester County
Board of Legislators

County of Westchester, New York



SAMPLE

Town of North Salem

A Local Law to amend the Code of the Town of North Salem by amending Chapter 208 of entitled Taxation.

Be It Enacted by the Town Board of the Town of North Salem as follows:

1. Section 208.2.1 Alternative Veteran's Exemption Subsection A is hereby amended in its entirety to read as follows:
 - A. The following set of exemptions which are the increased maximums established by § 458-a of the Real Property Tax Law shall be applicable to those eligible taxpayers in the Town of North Salem: **[Amended 3-28-2006 by L.L. No. 2-2006]**
 - (1) War veterans: 15% of assessed value to a maximum of \$75,000, or the product of \$75,000 multiplied by the latest state equalization rate for the assessing unit.
 - (2) Combat zone veterans: 10% of assessed value to a maximum of \$50,000, or the product of \$50,000 multiplied by the latest state equalization rate for the assessing unit.
 - (3) Disabled veterans: the product of the assessed value of such property multiplied by 50% of the veteran's disability rating; provided, however, that such exemption shall not exceed \$250,000 or the product of \$250,000 multiplied by the latest state equalization rate for the assessing unit.
2. Effective Date. This local law shall be effective upon filing of same with the Secretary of State of the State of New York.



**TOWN OF
POUND RIDGE**
Incorporated 1788

Town of Pound Ridge Planning Board

**NOTICE OF INTENT
TO DECLARE LEAD AGENCY PURSUANT TO SEQRA**

914-764-5511

To: Town of Pound Ridge Town Board
Town of Pound Ridge Landmarks and Historic District Commission
Town of Pound Ridge Economic Development Committee
Town of Pound Ridge Assessor
Westchester County Department of Planning
NY State DOT Region 8
NY State DEC Region 3
NY State OPRHP

From: Christeen CB Dür, Administrator for the Planning Board

Date: December 1, 2021

Subject: Pound Ridge Library Application for
Residential Site Plan Approval for an Existing Special Use
Parking Lot Expansion

The Planning Board of the Town of Pound Ridge has received an Application for Residential Site Plan Approval from The Pound Ridge Library Board of Trustees (the "Owner" or "Applicant") for the expansion of the Hiram Halle Memorial Library parking lot located at 271 Westchester Avenue (NYS Route 124/137) in the R-2A Zoning District (the "Project" or "Proposed Action").

The Planning Board hereby declares its intent to serve as Lead Agency with regard to this Proposed Action under the requirements of the New York State Environmental Quality Review Act (SEQRA).

In accordance with the provisions of SEQRA, unless you submit written objection to the Planning Board within thirty (30) days from the mailing of this notification, the Planning Board will automatically assume the role of Lead Agency.

Enclosed with this notice are Part 1 of the Environmental Assessment Form (EAF) and the complete application for the Project, which have been submitted by the Applicant.

Enclosures



H | T | W

HOCHERMAN TORTORELLA & WEKSTEIN, LLP
CLIENT-CENTERED ◊ SOLUTION-ORIENTED

One North Broadway, Suite 701
White Plains, New York 10601-2319
P: (914) 421-1800 F: (914) 421-1856
www.htwlegal.com

Geraldine N. Tortorella
Adam L. Wekstein
Noelle C. Wolfson

Henry M. Hocherman, Retired

November 4, 2021

Via Hand Delivery & Electronic Mail

Hon. Michele Rudolph, AIA, Chairperson
and Members of the Planning Board
Town of Pound Ridge
Town House
179 Westchester Avenue
Pound Ridge, New York 10576

*Re: Hiram Halle Memorial Library – Library Parking Lot Expansion Project
271 Westchester Avenue
Tax Identification Number: 9820-36*

Dear Chairperson Rudolph and Members of the Planning Board:

This firm represents the Hiram Halle Memorial Library (the “Library”) in connection with its plan to renovate and expand parking for the Library and install a stormwater management system on the Property to handle runoff from new impervious surfaces. The project site is located at 271 Westchester Avenue (the “Property”), in the Town’s R-2A zoning district.¹ We submit this letter in support of the Library’s application for Site Plan Approval to explain the proposal to your Board.

Enclosed for filing are the original and eleven copies of this submission letter and the following documents and information:²

1. Application for Commercial Site Plan Approval, signed by Bonnie Schwartz, Vice-President of the Library’s Board of Trustees, together with a completed Short Environmental Assessment Form, both of which bear today’s date;
2. The Site Plan set prepared by Catizone Engineering, P.C., entitled “Parking Lot Alterations” and last revised October 15, 2021, which consists of the following:
 - a. Cover Page, Sheet No. SD-001;
 - b. Existing Conditions, Sheet No. SD-101;
 - c. Layout Plan, Sheet No. SD-201;

¹ Public libraries are a permitted use in the R-2A district subject to obtaining a special use permit. The use of the Property for a public library is not changing. The proposed site improvements are limited, and relate, to parking, pedestrian movements, stormwater management and access to the residential lots to the east (rear) of the Library Property.

² An electronic copy of the submission is also being submitted to the Planning Board Administrator.

Hon. Michele Rudolph, AIA, Chairperson
and Members of the Planning Board

November 4, 2021

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- d. Grading Plan, Sheet No. SD-202;
 - e. Drainage & Utility Plan, Sheet No. SD-203;
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3. Planting Plan, Sheet No. L-1, prepared by IQ Landscape Architects, last revised October 18, 2021; and
 4. Property Survey, prepared by Badey & Watson Surveying and Engineering, dated October 31, 2019.

Also enclosed is the Library's check, in the amount of \$4,000, payable to the Town, to establish an escrow review account. We understand that the Site Plan Application Fee is being waived in consideration of the Library's not-for-profit status.

Background & Existing Conditions. In 1970, the Library obtained approval from the Planning Board to subdivide the Library Property and surrounding lands into four lots (Filed Map No. 17220). The Library Property is Lot 3 on the Filed Map; Lots 1 and 2 are "flag lots," the main portions of which are located to the east and rear of the Library Property. At the time the Map was filed, an easement for common access among the Property and Lots 1 and 2 was recorded in the Westchester County Clerk's Office, which has subsequently been modified.

Under its current configuration, the existing driveway that provides access to the Library Property commences at the Library's Westchester Avenue curb cut, crosses onto the twenty-five (25) foot "poles" of Lots 1 and 2 and sweeps back onto the Library Property and into the existing parking lot. The driveway then continues in an easterly direction to the rear property line where it crosses onto Lot 1 (Tax Lot #9820-74 (Carmichael)) and Lot 2 (Tax Lot #9280-35 (Pierce)).

We estimate that the Library currently has approximately twenty-four (24) unstriped parking spaces on the Property, one (1) of which is intended for handicap persons.

The Project. The purpose of the project is to add fifty (50) new parking spaces on the Library Property, neaten up existing parking, improve vehicular and pedestrian circulation including by separating vehicular and pedestrian movements from one another to reduce potential conflicts, and improve lighting and landscaping on the Property. Eighteen (18) striped parking spaces (including two (2) handicap-accessible spaces) will be established in areas along the existing driveway that are already paved and in the existing parking area, and fifty-six (56) new spaces will be constructed in a lot to be created east of where the existing parking is located. The portion of the existing driveway that continues past the existing parking to Lots 1 and 2 will be abandoned, the ground area will be planted

Hon. Michele Rudolph, AIA, Chairperson
and Members of the Planning Board

November 4, 2021

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with a Conservation Seed Mix, and a new driveway spur dedicated to Lots 1 and 2 will be constructed south and east of the new parking area. The new driveway spur will provide safe, private, residential-scale access Lots 1 and 2.

In addition, a pedestrian path and stairs to connect the upper parking area to the lower section of the Property, a concrete walkway along the side of the Library building and safety lighting are proposed as part of the renovation project. LED, full cutoff, downward directed light fixtures have been selected for the Project. As the lighting plan shows (item 2.g), no light will spill over the Property line.

Where feasible, existing landscaping, including trees, will be retained. As the Planting Plan shows (item 3), the Library plans to screen the parking areas from surrounding properties and soften their interior appearance by planting trees and shrubs around the perimeter of the parking areas and, in the case of the new parking area, by installing fencing along the Property's northern boundary and plantings within its interior. Other strategically placed trees and shrubs will be planted to fill gaps and augment the aesthetics of existing plantings. Where appropriate, disturbed ground and existing lawn areas will be reseeded.

Runoff from the new impervious parking area will be directed into cultec units at the northwestern end of the parking area.

Notice of this application is being mailed by Catizone Engineering, P.C. to property owners within five-hundred (500) feet of the Property today.

Kindly schedule this matter for the Board's November 18, 2021 meeting. Our team of professionals looks forward to explaining the proposal further and answering any questions your Members may have.

Respectfully yours,

Hocherman Tortorella & Wekstein, LLP

By: 
Geraldine N. Tortorella

GNT:hc

Enclosures

cc: *Via Electronic Mail (with enclosures)*

James Perry, Building Inspector

James Pitingaro, P.E.

Joseph P. Eriole, Esq.

Ray Beeler, FAIA, LEEDap

Pietro A. Catizone, P.E.

Hon. Michele Rudolph, AIA, Chairperson
and Members of the Planning Board

November 4, 2021

Page 4

Matthew A. DeCecco, E.I.T.

John A. Imbiano, ASLA

Mr. Richard Esman, President, Library Board of Directors

Ms. Bonnie Schwartz, Vice-President, Library Board of Directors

Short Environmental Assessment Form

Part 1 - Project Information

Instructions for Completing

Part 1 – Project Information. The applicant or project sponsor is responsible for the completion of Part 1. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification. Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information.

Complete all items in Part 1. You may also provide any additional information which you believe will be needed by or useful to the lead agency; attach additional pages as necessary to supplement any item.

Part 1 – Project and Sponsor Information			
Name of Action or Project Pound Ridge Library Parking Extension			
Project Location (describe, and attach a location map): 271 Westchester Avenue Pound Ridge, NY			
Brief Description of Proposed Action: Extension of existing parking area behind library building			
Name of Applicant or Sponsor: Pound Ridge Library		Telephone: 914 764-5085 E-Mail: trustees@poundridgelibrary.org	
Address: 271 Westchester Avenue			
City/PO: Pound Ridge		State: NY	Zip Code: 10576
1. Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation? If Yes, attach a narrative description of the intent of the proposed action and the environmental resources that may be affected in the municipality and proceed to Part 2. If no, continue to question 2.			NO <input checked="" type="checkbox"/>
2. Does the proposed action require a permit, approval or funding from any other government Agency? If Yes, list agency(s) name and permit or approval:			YES <input type="checkbox"/>
3. a. Total acreage of the site of the proposed action? _____ 2.818 acres			
b. Total acreage to be physically disturbed? _____ 0.85 acres			
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? _____ 2.818 acres			
4. Check all land uses that occur on, are adjoining or near the proposed action:			
5. <input type="checkbox"/> Urban <input type="checkbox"/> Rural (non-agriculture) <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Commercial <input checked="" type="checkbox"/> Residential (suburban)			
<input checked="" type="checkbox"/> Forest <input type="checkbox"/> Agriculture <input type="checkbox"/> Aquatic <input type="checkbox"/> Other(Specify):			
<input type="checkbox"/> Parkland			

5. Is the proposed action,	NO	YES	N/A
a. A permitted use under the zoning regulations?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Consistent with the adopted comprehensive plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Is the proposed action consistent with the predominant character of the existing built or natural landscape?	NO	YES	
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area?	NO	YES	
If Yes, identify: _____	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
8. a. Will the proposed action result in a substantial increase in traffic above present levels?	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
b. Are public transportation services available at or near the site of the proposed action?			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
c. Are any pedestrian accommodations or bicycle routes available on or near the site of the proposed action?			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
9. Does the proposed action meet or exceed the state energy code requirements?	NO	YES	
If the proposed action will exceed requirements, describe design features and technologies: _____ _____	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
10. Will the proposed action connect to an existing public/private water supply?	NO	YES	
If No, describe method for providing potable water: _____			
Site is served by a existing Well. No changes to existing public/private water are proposed. _____	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11. Will the proposed action connect to existing wastewater utilities?	NO	YES	
If No, describe method for providing wastewater treatment: _____			
Site is served by a existing on-site wastewater system. No changes or impacts to existing on-site wastewater system are proposed. _____	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
12. a. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places?	NO	YES	
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory?			
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency?	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody?			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If Yes, identify the wetland or waterbody and extent of alterations in square feet or acres: _____ _____ _____			

14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check all that apply:		
<input type="checkbox"/> Shoreline <input checked="" type="checkbox"/> Forest <input type="checkbox"/> Agricultural/grasslands <input type="checkbox"/> Early mid-successional <input type="checkbox"/> Wetland <input type="checkbox"/> Urban <input checked="" type="checkbox"/> Suburban		
15. Does the site of the proposed action contain any species of animal, or associated habitats, listed by the State or Federal government as threatened or endangered?	NO <input type="checkbox"/>	YES <input checked="" type="checkbox"/>
16. Is the project site located in the 100-year flood plan?	NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/>
17. Will the proposed action create storm water discharge, either from point or non-point sources? If Yes,	NO <input type="checkbox"/>	YES <input checked="" type="checkbox"/>
a. Will storm water discharges flow to adjacent properties?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If Yes, briefly describe: _____		
Culverts will direct storm water discharges west of site at a slower rate than pre-development.		
18. Does the proposed action include construction or other activities that would result in the impoundment of water or other liquids (e.g., retention pond, waste lagoon, dam)? If Yes, explain the purpose and size of the impoundment: _____	NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/>
19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility? If Yes, describe: _____	NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/>
20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste? If Yes, describe: _____	NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/>
I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE		
Applicant/sponsor name: <u>Pound Ridge Library Foundation Board of Trustees</u> Date: <u>as of 11-4-2021</u>		
Signature: By: <u><i>Bonnie Schwartz</i></u> Title: <u>Vice-President</u> Bonnie Schwartz		

POUND RIDGE LIBRARY

POUND RIDGE LIBRARY PARKING LOT ALTERATIONS POUND RIDGE, NY

Owner:
POUND RIDGE LIBRARY
10 Landon Avenue
Pound Ridge, NY 10576
Tel: 914 924 1110

Civil Engineer:
Callone Engineering, P.C.
201 West Avenue, Suite 714
Lawrenceville, NY 10523

Land-Use Architect:
GBds
10 Landon Avenue, P.O. Box
100, Pound Ridge, NY 10576

Architect:
GBds
10 Landon Avenue, P.O. Box
100, Pound Ridge, NY 10576

NOTES

1. THESE PLANS SHOW THE PROPOSED PARKING LOT ALTERATIONS AND THE EXISTING BUILDING AND LANDSCAPE. THE EXISTING BUILDING AND LANDSCAPE ARE SHOWN AS EXISTING. THE PROPOSED PARKING LOT ALTERATIONS ARE SHOWN AS PROPOSED. THE EXISTING BUILDING AND LANDSCAPE ARE SHOWN AS EXISTING. THE PROPOSED PARKING LOT ALTERATIONS ARE SHOWN AS PROPOSED.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LOCATIONS OF ALL EXISTING UTILITIES AND STRUCTURES AND REPORT TO THE ENGINEER BEFORE COMMENCING ANY WORK.
3. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AGENCIES BEFORE COMMENCING ANY WORK.
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LIST OF DRAWINGS

NO.	DESCRIPTION
1001	GENERAL
1002	EXISTING CONDITION
1003	PROPOSED PLAN
1004	PROPOSED SECTION
1005	PROPOSED ELEVATION
1006	PROPOSED DETAIL PLAN
1007	PROPOSED SECTION
1008	PROPOSED ELEVATION
1009	PROPOSED DETAIL

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Key Plan

Sheet No. **SD-001**

Scale: As Shown

DATE: 05/14/2021

Plot # 107-21 Street No. **SD-001**
Town: RAM
County: NYC
File Date: 05/14/2021

POUND RIDGE LIBRARY

PARKING LOT ALTERATIONS

POUND RIDGE, NY

Owner:
POUND RIDGE LIBRARY
Board of Trustees
214 North Ave.
Pound Ridge, NY 10588

Civil Engineer:
Cefco Engineering, P.C.
One West Avenue, Suite 219
Lawrenceville, NY 10588

Landscape Architect:
R2 Landscape Architects P.C.
318 Huntington Ave., 7th Floor
New York, NY 10017

Architect:



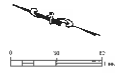
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Key Plan

NO.	DATE	BY	DESCRIPTION
01	09-15-09	ME	PRELIMINARY DESIGN
02	09-27-09	ME	REVISED PLAN, NOTES
03	10-12-09	ME	FOR CLIENT COMMENT

Sheet Title:
EXISTING
CONDITIONS

Project #: 1902
Drawn: MAD
Checked: PAC
Print Date: 09-14-2009



BUILDING AND LANDSCAPE PROPOSED				
ITEM	UNITS	QUANTITY	EXISTING	PROPOSED
CONCRETE	sq. ft.	1000	1500	2500
STEEL	sq. ft.	500	1000	1500
GLASS	sq. ft.	2000	1000	3000
WOOD	sq. ft.	1000	1000	2000
ASPHALT	sq. ft.	1000	1000	2000
GRAVEL	cu. yd.	1000	1000	2000
LANDSCAPING	sq. ft.	1000	1000	2000
WATER	sq. ft.	1000	1000	2000
SEWER	sq. ft.	1000	1000	2000
ELECTRICAL	sq. ft.	1000	1000	2000
MECHANICAL	sq. ft.	1000	1000	2000
HEATING	sq. ft.	1000	1000	2000
Cooling	sq. ft.	1000	1000	2000
Lighting	sq. ft.	1000	1000	2000
Security	sq. ft.	1000	1000	2000
Accessibility	sq. ft.	1000	1000	2000
Fire Safety	sq. ft.	1000	1000	2000
Sound	sq. ft.	1000	1000	2000
Other	sq. ft.	1000	1000	2000

POUND RIDGE LIBRARY

PARKING LOT ALTERATIONS

POUND RIDGE, NY

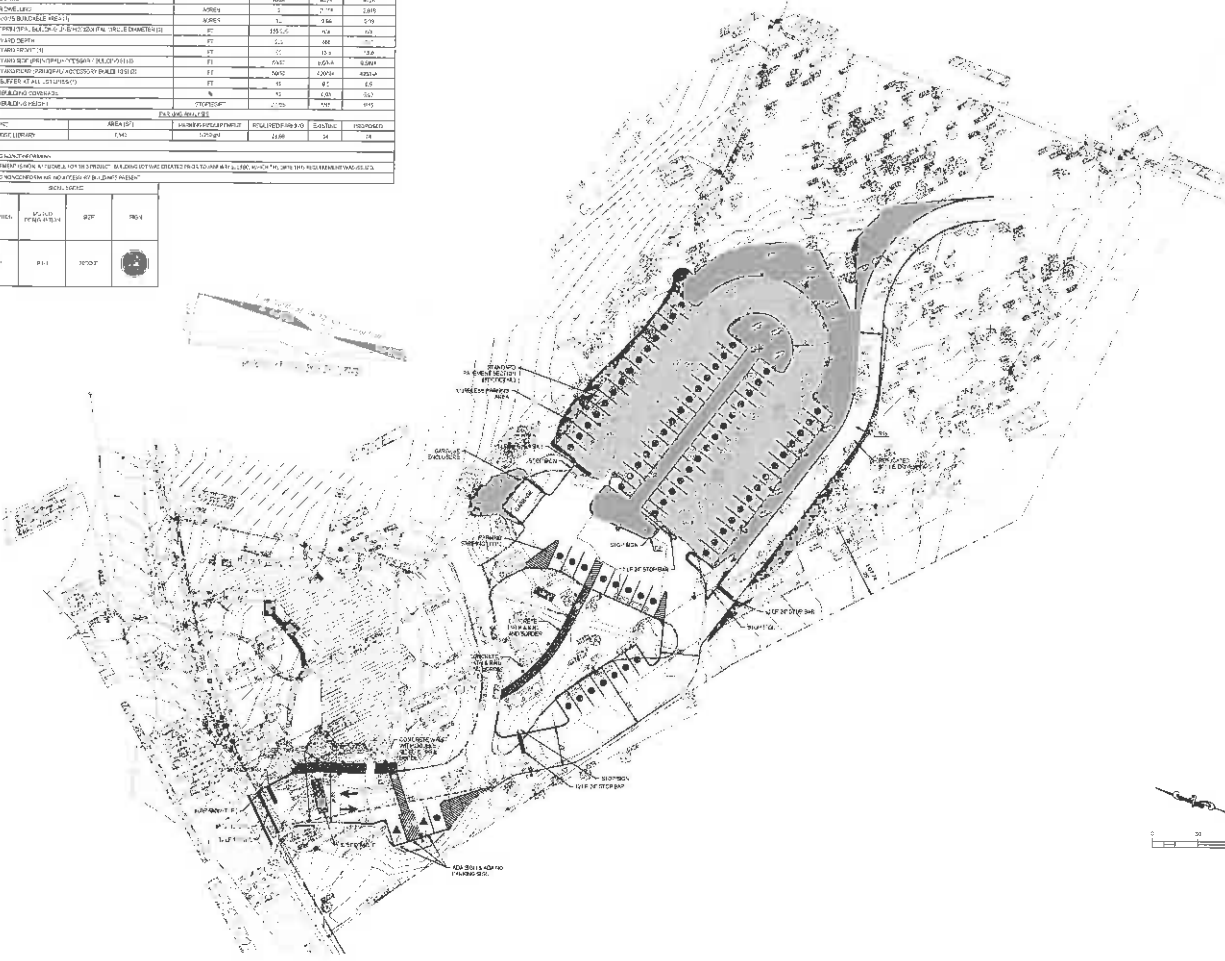
Owner:
POUND RIDGE LIBRARY
Board of Trustees
33 Westchester Ave
Pound Ridge, NY 10586

Chief Engineer:
C&E Engineering, P.C.
One New York Ave, 20th Fl
Larchmont, NY 10503

Landscape Architect:
K&L Landscape Architecture, P.C.
31 Main Street, 2nd Floor
White Plains, NY 10601

Architect:
GBds
GAILLE BLUMBERG DESIGN STUDIO
33 Westchester Ave, Pound Ridge, NY 10586

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Key Plan

No.	Date	By	Description
1	10/10/10	J. G.	Final Design
2	10/10/10	J. G.	Final Design
3	10/10/10	J. G.	Final Design
4	10/10/10	J. G.	Final Design
5	10/10/10	J. G.	Final Design
6	10/10/10	J. G.	Final Design
7	10/10/10	J. G.	Final Design
8	10/10/10	J. G.	Final Design
9	10/10/10	J. G.	Final Design
10	10/10/10	J. G.	Final Design

Layout Plan

Scale: 1" = 100'

Drawn by: J. G.

Checked by: J. G.

Date: 10/10/10



**POUND
RIDGE
LIBRARY**
PARKING LOT
ALTERATIONS
POUND RIDGE, NY

Client:
POUND RIDGE LIBRARY
Board of Trustees
177 Main Street, A
Pound Ridge, NY 10576

C.E. Engineer:
Carlotta Engineering, P.C.
One West Avenue, 10th Fl.
Larchmont, NY 10503

Landscape Architect:
125 West 14th Avenue, 11th Fl.
31 Amsterdam Ave., 21st Floor
New York, NY 10011

Architect:
GB ds
GAIL BROWN DESIGN STUDIO
11 Washington Ave., Pleasantville, NY 10570

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Key Plan:



11	11/14/22	11/14/22	11/14/22
12	11/14/22	11/14/22	11/14/22
13	11/14/22	11/14/22	11/14/22
14	11/14/22	11/14/22	11/14/22
15	11/14/22	11/14/22	11/14/22
16	11/14/22	11/14/22	11/14/22
17	11/14/22	11/14/22	11/14/22
18	11/14/22	11/14/22	11/14/22
19	11/14/22	11/14/22	11/14/22
20	11/14/22	11/14/22	11/14/22

Sheet Title:
GRADING PLAN

Project # 2022-022 Sheet No.:
Date of Issue: **SD-202**
Author: P.C.
Date of Issue: 11/14/22

**POUND
RIDGE
LIBRARY**
**PARKING LOT
ALTERATIONS**
POUND RIDGE, NY

Owner:
POUND RIDGE LIBRARY
86 West Ave.
Pound Ridge, NY 10588

Civil Engineer:
California Engineering, P.C.
200 West Ave., Suite 200
Larchmont, NY 10538

Landscape Architect:
IC Landscape Architects P.C.
81 Montross Ave., 7th Floor
West Palm, FL 33411

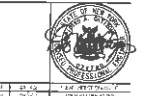
Architect:



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Key Plan:



DATE	BY	DESCRIPTION

Project Title:
**DRAINAGE & UTILITY
PLAN**

Project No. 10552 Sheet No. 3 of 3
 Drawing No. SD-203
 Date: 10/14/2021

**POUND
RIDGE
LIBRARY**
**PARKING LOT
ALTERATIONS**
 POUND RIDGE, NY

Owner:
 POUND RIDGE LIBRARY
 Board of Trustees
 371 Westchester Ave. # 1
 Pound Ridge, NY 10586

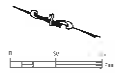
Civil Engineer:
 Catzone Engineering, P.C.
 One Westchester Plaza 2/F
 Lawrenceville, GA 30043

Landscape Architect:
 NJ Landscape Architects P.C.
 21 Montross Ave., 2/F River
 Vale, NJ 07061

Architect:
GB^{ds}
GALLAN BRIDGMAN DESIGN
 23 Manhattan Ave., Pleasantville, NJ 07095

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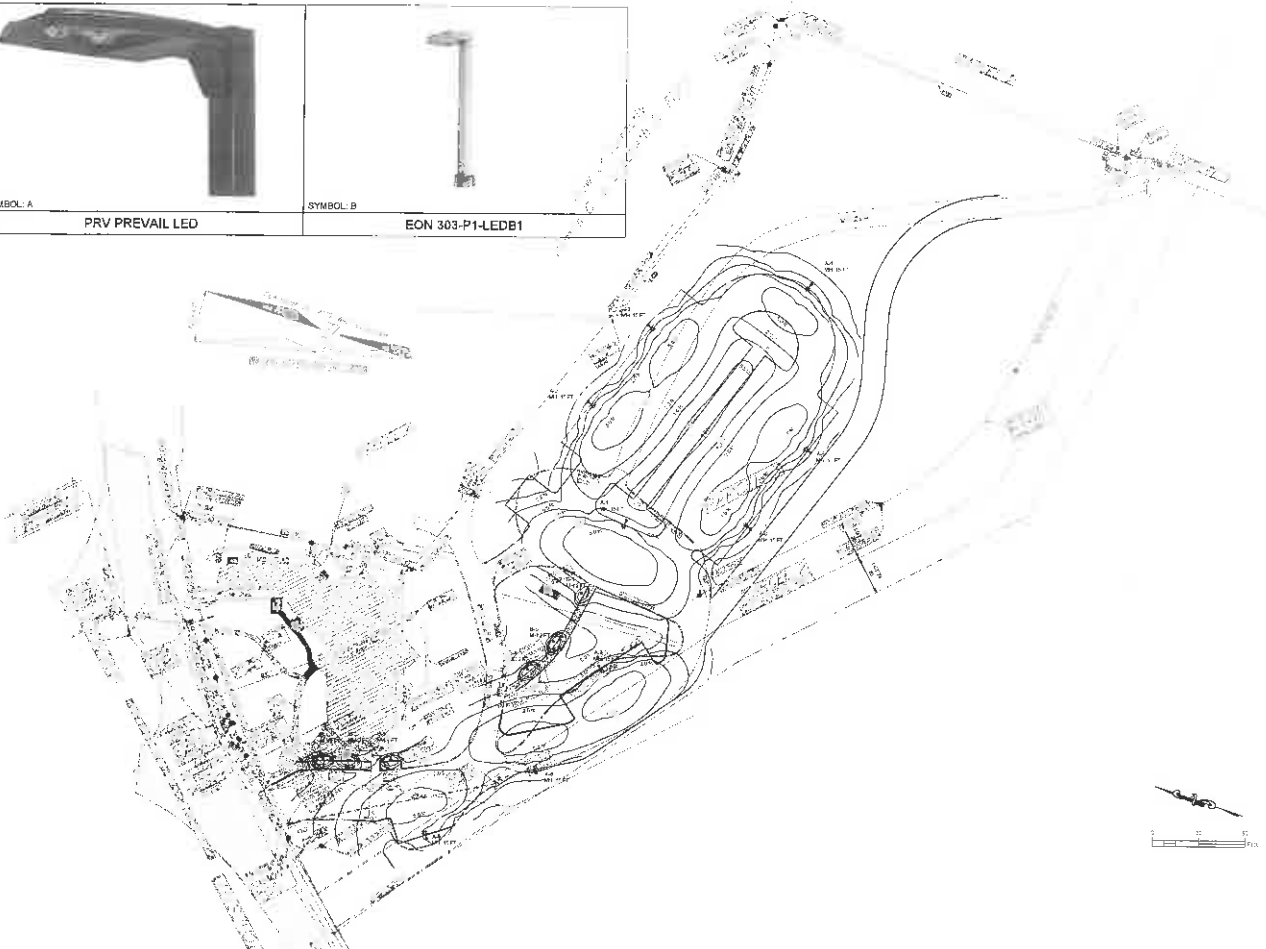
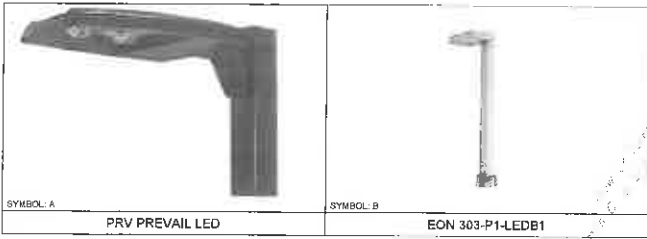
Red Print



No.	REV.	DATE	BY	CHKD.	DESCRIPTION

Sheet Title:
**EROSION &
 SEDIMENT CONTROL
 PLAN**

Project #: 19052 **Sheet No.:** 1
Drawn by: MMB **Checked by:** PKC
Project Location: SD-204
Date: 08/14/2011



POUND RIDGE LIBRARY PARKING LOT ALTERATIONS POUND RIDGE, NY

Owner:
POUND RIDGE LIBRARY
Board of Trustees
270 Veterans Ave.
Pound Ridge, NY 10574

Civil Engineer:
Calligore Engineering, P.C.
One West Avenue, Suite 210
Lewiston, NY 14683

Landscape Architect:
K9 Landscape Architects P.C.
21 Montgomery Ave., 2nd Floor
White Plains, NY 10611

Architect:
GB^{ds}
BALLIN BALLIN DESIGN STUDIO
20 Monticello Ave., Poughkeepsie, NY 12502

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Key Plan:



01	10.1.18	10.1.18	10.1.18
02	09.27.17	09.27.17	09.27.17
03	08.23.17	08.23.17	08.23.17

Map Title
LIGHTING PLAN

Proj: 18-1002 SHEET:
Draw: 1000 SD-205
Check: PKC
Date: 10/11/2018

POUND RIDGE LIBRARY

PARKING LOT ALTERATIONS

POUND RIDGE, NY

Owner:
POUND RIDGE LIBRARY
Board of Trustees
271 Main Street, 4th Fl.
Pound Ridge, NY 10586

Civil Engineer:
Callison Engineering, P.C.
One Main Avenue, Room 210
Larchmont, NY 10503

Landscape Architect:
LD Lentrage Architects PC
81 Main Street, 2nd Floor
Valhalla, NY 10595



These drawings are instruments of service and are intended to be complete. There are no conditions, notes or specifications shown or referred to on these drawings unless specifically indicated otherwise. No part of these drawings may be reproduced or copied in any form without the prior written permission of the Architect.

Key Plan



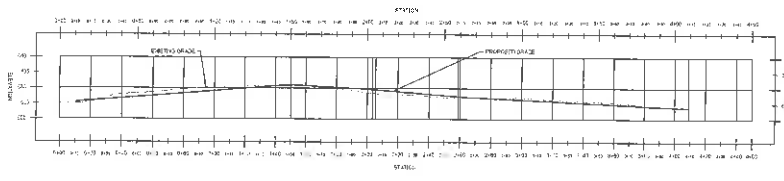
No.	Date	Description

PROFILES

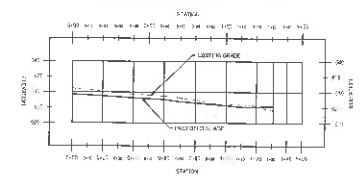
Project # 10022 Sheet No.:
E. M.: AD
Checked by:
Date: 06-14-2007

SD-301

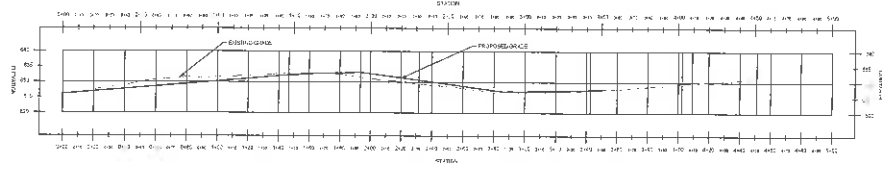
PROFILE VIEW OF PROPOSED PARKING LOT



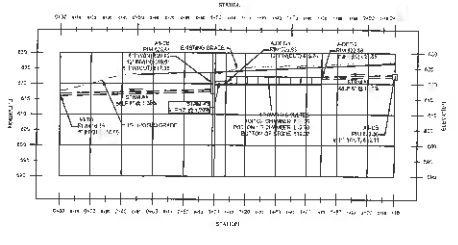
PROFILE VIEW OF PROPOSED PARKING SECTION A



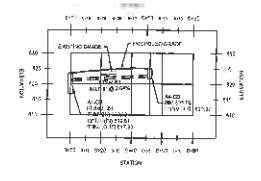
PROFILE VIEW OF PROPOSED LOT AS A 74 DRIVEWAY



PROFILE VIEW OF STORM A



PROFILE VIEW OF STORM B



POUND RIDGE LIBRARY

PARKING LOT ALTERATIONS

POUND RIDGE, NY

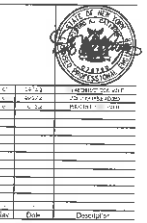
Owner:
POUND RIDGE LIBRARY
 377 Main Street
 Pound Ridge, NY 10586

Civil Engineer:
Callison Engineering, P.C.
 One West Avenue, Suite 210
 Lakeville, NY 10829

Landscape Architect:
ID Landscape Architects PC
 31 Lakeside Ave., 3rd Floor
 Yonkers, NY 10505



<p>STONE CURB 11.4</p> <p>NOTES: 1. ALL CONCRETE SHALL BE 4000 PSI STRENGTH WITH 4% STEEL FIBER REINFORCEMENT. 2. ALL CONCRETE SHALL BE FINISHED TO MATCH ADJACENT SURFACES. 3. ALL CONCRETE SHALL BE FINISHED TO MATCH ADJACENT SURFACES. 4. ALL CONCRETE SHALL BE FINISHED TO MATCH ADJACENT SURFACES. 5. ALL CONCRETE SHALL BE FINISHED TO MATCH ADJACENT SURFACES.</p>	<p>TRENCH DRAIN (TD.#) 11.5</p> <p>NOTES: 1. TRENCH DRAIN SHALL BE 18\"/> </p>	<p>PAVEMENT SECTION (LIGHT DUTY) 11.6</p> <p>NOTES: 1. ALL PAVEMENT SHALL BE 4\"/> </p>	<p>FENCE 11.7</p> <p>NOTES: 1. FENCE SHALL BE 4\"/> </p>
<p>PAVEMENT MARKINGS: PARKING 11.8</p> <p>NOTES: 1. ALL MARKINGS SHALL BE 1\"/> </p>	<p>SANITARY AND STORMWATER PIPE IN TRENCH 11.9</p> <p>NOTES: 1. ALL PIPES SHALL BE 18\"/> </p>	<p>Plan View Drawing</p> <p>Typical Cross Section for Traffic Application</p>	
<p>DRAIN INLET (DI.#) 11.10</p> <p>NOTES: 1. ALL CONCRETE SHALL BE 4000 PSI STRENGTH WITH 4% STEEL FIBER REINFORCEMENT. 2. ALL CONCRETE SHALL BE FINISHED TO MATCH ADJACENT SURFACES. 3. ALL CONCRETE SHALL BE FINISHED TO MATCH ADJACENT SURFACES. 4. ALL CONCRETE SHALL BE FINISHED TO MATCH ADJACENT SURFACES. 5. ALL CONCRETE SHALL BE FINISHED TO MATCH ADJACENT SURFACES.</p>	<p>ADA RAMP 11.11</p> <p>NOTES: 1. ALL CONCRETE SHALL BE 4000 PSI STRENGTH WITH 4% STEEL FIBER REINFORCEMENT. 2. ALL CONCRETE SHALL BE FINISHED TO MATCH ADJACENT SURFACES. 3. ALL CONCRETE SHALL BE FINISHED TO MATCH ADJACENT SURFACES. 4. ALL CONCRETE SHALL BE FINISHED TO MATCH ADJACENT SURFACES. 5. ALL CONCRETE SHALL BE FINISHED TO MATCH ADJACENT SURFACES.</p>	<p>CONCRETE SIDEWALK 11.12</p> <p>NOTES: 1. ALL CONCRETE SHALL BE 4000 PSI STRENGTH WITH 4% STEEL FIBER REINFORCEMENT. 2. ALL CONCRETE SHALL BE FINISHED TO MATCH ADJACENT SURFACES. 3. ALL CONCRETE SHALL BE FINISHED TO MATCH ADJACENT SURFACES. 4. ALL CONCRETE SHALL BE FINISHED TO MATCH ADJACENT SURFACES. 5. ALL CONCRETE SHALL BE FINISHED TO MATCH ADJACENT SURFACES.</p>	<p>CURTC 11.13</p> <p>NOTES: 1. ALL CONCRETE SHALL BE 4000 PSI STRENGTH WITH 4% STEEL FIBER REINFORCEMENT. 2. ALL CONCRETE SHALL BE FINISHED TO MATCH ADJACENT SURFACES. 3. ALL CONCRETE SHALL BE FINISHED TO MATCH ADJACENT SURFACES. 4. ALL CONCRETE SHALL BE FINISHED TO MATCH ADJACENT SURFACES. 5. ALL CONCRETE SHALL BE FINISHED TO MATCH ADJACENT SURFACES.</p>



Sheet No: **SD-401**

Project: **POND RIDGE LIBRARY PARKING LOT ALTERATIONS**

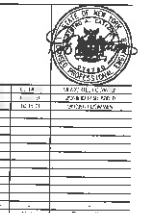
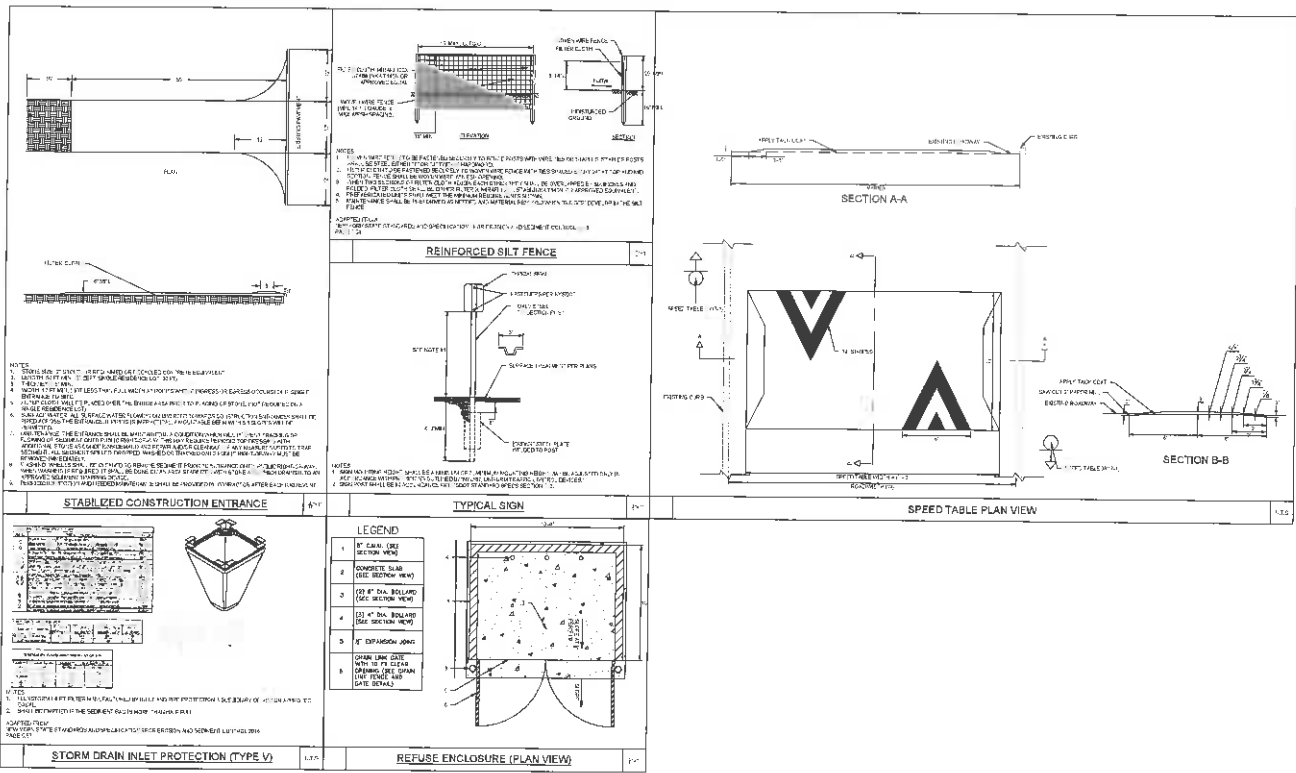
Date: **09-11-2021**

**POUND
RIDGE
LIBRARY**
PARKING LOT
ALTERATIONS
POUND RIDGE, NY

Owner:
POUND RIDGE LIBRARY
Board of Trustees
P.O. Box 220
Pound Ridge, NY 10586

Civil Engineer:
Custora Engineering, P.C.
One West Avenue, Suite 210
Levittown, NY 10549

Landscaping Architect:
IQ Landscaping Architects PC
11 Westwood Ave., 4th Floor
White Plains, NY 10607



Sheet No. 10022 Sheet No. 1
Drawn by: JAC
Check by: M
Title: SD-402
Date: 09/14/2012



December 9, 2021
Kevin Hansan
Supervisor, Town of Pound Ridge
179 Westchester Ave.
Pound Ridge, NY 10576

Re: Comprehensive Plan Update

Dear Supervisor Hansan & Members of the Town Board:

Recently, the Town Board approved engaging Jessica Bacher, Executive Director of Pace University's Land Use Law Center, to add a practical perspective to Hudsonia's Significant Habitat learning unit session on November 19th. All present that afternoon were impressed with Jessica's comments and additions to the conversation. Our town's Comprehensive Plan came up many times in the context of Significant Habitats and the NRI documents our Town has posted on the Conservation Board's webpage.

As the workshop was winding down, I asked Jessica if she would be open to consulting with our Comprehensive Plan committee. She does this type of consulting with other municipalities and was enthusiastic about helping Pound Ridge. All Planning Board members present were in full support of bringing Jessica in to assist with the Comp Plan update. Tom Smith and also Lisa Smith of Zoning (a particularly active member of the Comp Plan update) were also in favor.

As the Town Board plans 2022's budget, I write to urge our Town Board to please consider bringing Jessica Bacher into the update process. She said she would charge the same \$150/hour rate she gave for the Significant Habitat afternoon. That is a genuine value for her high caliber skill set and experience.

The Planning Board believes our Town would greatly benefit from Jessica's experience as a land use attorney/educator if she were hired to participate in the Comp Plan update process.

Thank you.

Respectfully,

A handwritten signature in black ink that reads "Michele Rudolph". The signature is fluid and cursive, with a long horizontal stroke at the end.

Michele Rudolph, AIA
Planning Board Chairperson

Town of Pound Ridge Police Department

Tel.: 914-764-4206
Fax: 914-764-0847



David M. Ryan
Chief of Police

October 31,2021

Supervisor Background Review & Recommendation of Prospective Hire

Agency: Pound Ridge Police Department, Pound Ridge, NY 10576
Position: Police Officer / Part-time
Applicant: **Albert L. Miano**

To: Chief Ryan
cc: Lt. T. Mulcahy, Lt. K. Murray

The background application was completed in its entirety by applicant **Albert Miano**.

Upon review and verification of the information provided by applicant, it is known that applicant possesses the experience and knowledge from over 20 years in a law enforcement career within the State of New York. Applicant has served honorably in the US armed forces in both the US Navy and also with the US Army Guard Reserve.

Applicant's NYS license is in good standing; and valid until 2028.

E-Justice Repository Search/Inquiry conducted – Negative results.

Applicant is currently NYS certified by DCJS as a police Officer. Applicant has numerous law enforcement trainings that would serve to better this department as a whole.

Applicant provided a signed HIPPA release form as required for employment purposes.

Applicant's personal and business references have been contacted; and all provided positive statements to the applicant's character and work ethic. Applicant is aware of, and in agreement with the required scheduling policy with regards to employment as a Pound Ridge Police Officer.

With information known and provided, it is my opinion that applicant would be a positive addition to this department and community; and recommend that he progress through the hiring process.

Sgt. Evans #850

Town of Pound Ridge Police Department

Tel.: 914-764-4206
Fax: 914-764-0847



David M. Ryan
Chief of Police

October 31,2021

Background Synopsis

Albert L. Miano
9 Daisy Lane,
Poughkeepsie, NY 12603
DOB 05/02/1976
(203) 241-3862
Albertmiano@yahoo.com

Employment History: New York State Police / Station Commander
(September 2002 – April 2021)
New York City Police DEP
(July 2001 – April 2021)

Armed Services: United States Navy – Petty Officer 3rd Class
(July 1995 – May 1999)
US Army Guard Reserve
(December 1999 – December 2002)

Albert Miano has a valid NYS Drivers license - class D expiring 05/02/2028.

E-Justice Criminal History Repository/Inquiry completed – Negative Results

Organizational Memberships:

NYS police and Fire retiree association

Certifications/specific skills in the following:

*Currently NYS certified by DCJS as a Police Officer
Certified in multiple disciplines within the Law enforcement training. See Professional development section in Applicant's resume.

Town of Pound Ridge Police Department

Tel: 914-764-4206
Fax: 914-764-0847



David M. Ryan
Chief of Police

Contacts with References:

Frank Cordova – Frank advised that he is a longtime family friend of Albert’s family, who has known Albert since he was born. Frank spent a large portion of his career with the Water Department for the City of New York. He explained Albert refers to him as “Uncle Frank”; and Albert is known to him as “Big Al”. He explained that his nickname for Albert comes from both Albert’s physical stature as well as his giant heart as great family man and father. He describes Albert as hard worker, trustworthy, outgoing and good with people, and states that he has a good sense of humor . Frank further explained that he himself worked as a property manager on an estate in Pound Ridge for 41 years, and knows the community very well. He imparted that Albert’s personality and overall demeanor would be a very good fit with the Pound Ridge Community.

Rhodie Niblack – Current NYSP Trooper who has known Albert for 15 years. Rhodie explained that he was a past co-worker of Albert in the NYSP, and also a friend. He advised that Albert was his supervisor for several years; and describes him “as one of the best bosses to have”. He further described him as competent and very smart. He said as a police officer, Albert is the “guy you want with you on calls”. Rhodie currently patrols the Lewisboro area with the NYSP; and is very familiar with the Pound Ridge community. He stated that he is happy that Albert has the opportunity to continue in law enforcement; and knows that Albert will be a great fit with this community.

Joseph Perun – Joseph advised me that he is a licensed realtor in both CT and NY; and that a majority of his area comprises the areas of Upper Westchester and surrounding areas in CT. He is well are of the Pound Ridge Community; and stated that Albert would be a “great fit for this community”. He stated that he is a personal friend of Alberts, and has known him for over 20 years. He describes Albert as a man with strong family values, “a guy who loves the community interaction”, and a man big into sports and activities. He advised that he would trust his life to Albert. He told me that several of his own family members are police officers; and that Albert is one of the best in his opinion. He stated that he is very knowledgeable; and good with people. He said he would be a great addition to this department.

Town of Pound Ridge Police Department

Tel.: 914-764-4206
Fax: 914-764-0847



David M. Ryan
Chief of Police

Family contacted:

Jennifer Miano - Spouse of Albert Miano. She said that she is very supportive of her husband's decision to continue his law enforcement career with the Town of Pound Ridge. She stated, "Police work is in his blood; and she was not surprised when he decided to return to this profession." She describes Albert as a "team player" with a "humorous personality"; and one who thrives on the interactions associated with a life in law enforcement.

I explained the schedule requirements to her; and detailed that a degree of availability to work all shifts including weekends and holidays would be required. She further advised me that she and Albert have managed their professional and personal lives around this type of scheduling for many years; and that employment with the Pound Ridge Police Department would not create any hardships with their current situation. Overall, she is highly supportive of her husband's desire to continue his law enforcement career with the Pound Ridge Police Department.

***Faxed Signed HIPPA release form to Albert Miano's health care provider, Caremount Medical.**



Westchester County License #WC-29470-H17
CT DCP Registration No.: HIC.0648047
Tel: (914) 764 - 5781
Fax: (914) 764 - 5376
www.poundridgenursery.com

December 13, 2021

Terri Pike
Pound Ridge Partnership

Re: Bid for Scott's Corner Spring Annual Hanging Baskets Spring 2022

Dear Terri,

Pound Ridge Nursery and Garden Center Inc. is happy to submit a bid to deliver 74 Spring Annual hanging baskets to be hung in downtown Pound Ridge in Spring 2022.

We have a grower bid for \$42 for each 16" hanging basket filled with spring annuals. Basket includes hanger, lined with moss, and grown in proper soil mix with water retentive additives.

Draught-hardy, bright flower choices TBD and will include calibrachoa, supertunias, superbena for sun and new guinea impatiens for shade.

Thanks for the opportunity to bid on this town project!

All best wishes,

Ana Jaeger

(914)764-5781

cc: John Gualtiere

Pound Ridge Partnership Hanging Flower Basket Beautification Project

Item #	Description	Calculation	Quote 1 (vendor)
1	16 inch moss lined baskets filled with Supertunia and Superbena	2 baskets x 37 street lights=74 baskets	Valley View Nursery
3			
4	Ordering, coordination of hanging	14 hours per week x 20 weeks	Lupino Landscaping
5	Watering	2 baskets x 37 street lights=74 baskets	
	Jack's Fertilizer (one season supply)	12 Jack's Classic Bloom Booster, 1.5 lb	\$13.90 + tax each

Quote 1 (amount)	Quote 2 (vendor)	Quote 2 (Amount)	Quote 3 (vendor)	Quote 3 (amount)	Cost
\$3,700.00 \$50 per basket	Hollandia Nursery		Gossett Greenhouse	\$6,290 \$85 per basket	
	Anderson Landscaping		Highland Design (Tim		

**Proposed Source of
Funding**

Notes:

Town of Pound Ridge

Town of Pound Ridge

Town of Pound Ridge

In-Kind Donation Pound

Ridge Partnership

Town of Pound Ridge

No quote required.

I'm not sure if we need

No quote required.



www.qualtekservices.com

December 1, 2021

Town of Pound Ridge
Town Board
179 West Chester Ave., Pound Ridge, NY 10576
(914) 764-5511

Site ID: NJ01429A

Site Address: 29 Adams Lane, Pound Ridge, NY 10576

Enclosed are the following documents:

- Special Use Permit Application
- (1) copies of 11x17 Construction Drawings
- (1) Structural Analysis
- (1) Mount Analysis

I am applying for this on behalf of American Tower and T-Mobile Northeast LLC, as an authorized agent. Please let me know if you need any additional information for permit approval. Feel free to call me at 610-731-5910 or e-mail me at POwens@QualtekWireless.com if you have any questions.

Thank you in advance for your assistance.

Sincerely,

A handwritten signature in black ink, appearing to read "Patrick Owens", written over a white background.

Patrick Owens
Site Acquisition Specialist

Qualtek Wireless
200 North Warner Road, Suite 215
King of Prussia, PA 19406

Encl.

475 Sentry Pkwy E, Suite 200
Blue Bell, PA 19422

TOWN OF POUND RIDGE - SPECIAL USE PERMIT APPLICATION

Date of application 12.01.2021

TO: TOWN BOARD - TOWN OF POUND RIDGE

APPLICATION IS HEREBY MADE to the Town Board for the issuance of a Special Use Permit pursuant to Chapter 113, Article VIII of the Zoning Code of the Town of Pound Ridge, entitled Special Permit Standards, for the following:

Swap (9) Antennas, (6) RRHs, (3) Transmission Cables. Remove (3) RRHs, (6) Transmission Cables. Install (1) FIF Rack.

APPLICANT NAME: T-Mobile

ADDRESS: 103 Monarch Drive, Liverpool, NY 13088

BUSINESS TELEPHONE NO: 610.731.5910

Check one: Owner Lessee Agent

Town Tax Map Property Location: Section _____ Block 1 Lot No. 41

If map, survey or a plan is required, please attach to this application, as required by VIII, Section 113-8.3

With respect to the Special Use Permit described and requested on Page 2, attached, please respond to the following:

1. If you are a lessee, has property owner been apprised of your request? If so, attach the property owner's letter of approval to this application.
2. Will use be seasonal? Yes No
If yes, what months? _____ What hours of the day? _____
3. Will equipment or furniture or materials of any kind, not normal to present operation, be required? Yes No
4. Will the location and size of the use, nature and intensity of the operation involved, be in harmony with the district in which it is located? Yes No
(Article VIII, Section 113-8.2.1)
5. Will there be a noise or light factor that may impact neighboring properties: Yes No (Article VIII, Section 113-8.2.3)
6. If the operation is located in a Planned Business District, will existing parking be adequate? Yes No N/A

Special Use Application for Utility - Telecommunications - T-Mobile

Applicant's Signature

If the Town requires engineer, planning consultants or other professional assistance in reviewing this Special Use Permit application, applicant may be required to establish an escrow fee fund to pay the cost of such experts.

For the Town Board:

1. Referred to Planning Board on _____
2. Public Hearing scheduled for _____
3. Escrow Deposit of \$ _____ posted _____



AMERICAN TOWER®
CORPORATION

Mount Analysis Report

ATC Site Name : POUNDRIDGE NY, NY
ATC Site Number : 413118
Engineering Number : 13714510_C8_03
Mount Elevation : 128 ft
Carrier : Sprint Nextel
Carrier Site Name : NJ01429A
Carrier Site Number : NJ01429A
Site Location : 29 Adams Lane
Pound Ridge, NY 10576-1507
41.22272777 , -73.57160277
County : Westchester
Date : November 19, 2021
Max Usage : 66%
Result : Pass

Prepared By:
Alan Samboy
Structural Engineer

Alan Samboy

Reviewed By:



Authorized by "EOR"
19 Nov 2021 04:03:49 cosign

COA: 0012746



Table of Contents

Introduction	1
Supporting Documents	1
Analysis	1
Conclusion	1
Application Loading	2
Structure Usages	2
Mount Layout	3
Equipment Layout	4
Standard Conditions	5
Calculations	Attached



Introduction

The purpose of this report is to summarize results of the mount analysis performed for Sprint Nextel at 128 ft.

Supporting Documents

Tower Drawings	Engineered Endeavors Inc., Project #13328, dated 11/16/2005
Radio Frequency Data Sheet	RFDS ID #NJ01429A, dated October 26, 2021
Reference Photos	Site photos from 2021

Analysis

This mount was analyzed using American Tower Corporation's Mount Analysis Program and RISA-3D

Basic Wind Speed:	115 mph (3-Second Gust)
Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ 1" radial ice concurrent
Codes:	ANSI/TIA-222-H / 2018 IBC / 2020 New York Building Code
Exposure Category:	B
Risk Category:	II
Topographic Factor Procedure:	Method 2
Feature:	Flat
Crest Height (H):	0 ft
Crest Length (L):	0 ft
Spectral Response:	Ss = 0.259, S1 = 0.059
Site Class:	D - Stiff Soil
Live Loads:	Lm = 500 lbs, Lv = 250 lbs

Conclusion

Based on the analysis results, the antenna mount meets the requirements per the applicable codes listed above. The mount 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.



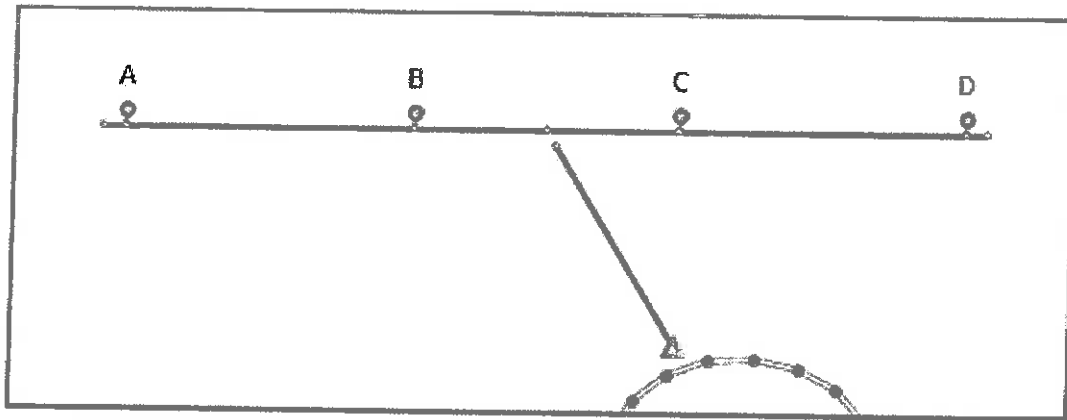
Application Loading

Mount Centerline (ft)	Equipment Centerline (ft)	Qty	Equipment Manufacturer & Model
128.0	128.0	3	RFS APXVAALL24 43-U-NA20
		3	RFS APX16DWV-16DWVS-E-A20
		3	Ericsson Air6449 B41
		3	Ericsson Radio 4460 B25+B66
		3	Ericsson Radio 4480 B71+B85A

Structure Usages

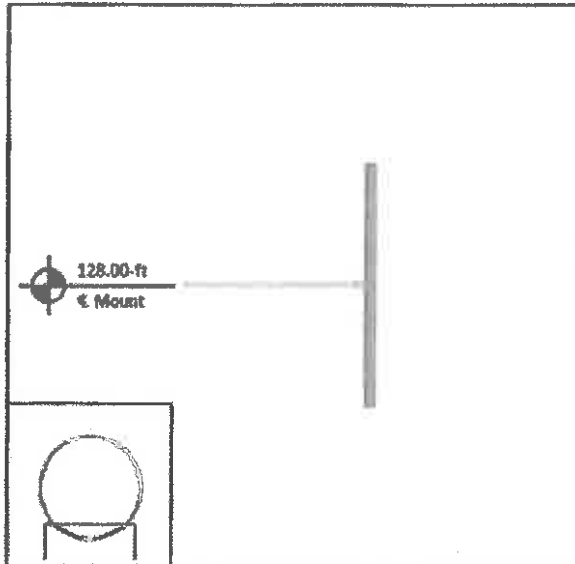
Structural Component	Controlling Usage	Pass/Fail
Horizontals	66%	Pass
Verticals	37%	Pass
Mount Pipes	35%	Pass
Serviceability	N/A	Pass

Mount Layout

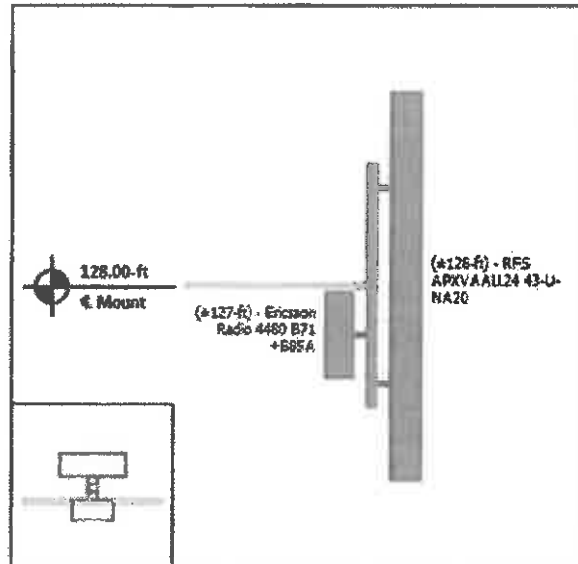


Equipment Layout

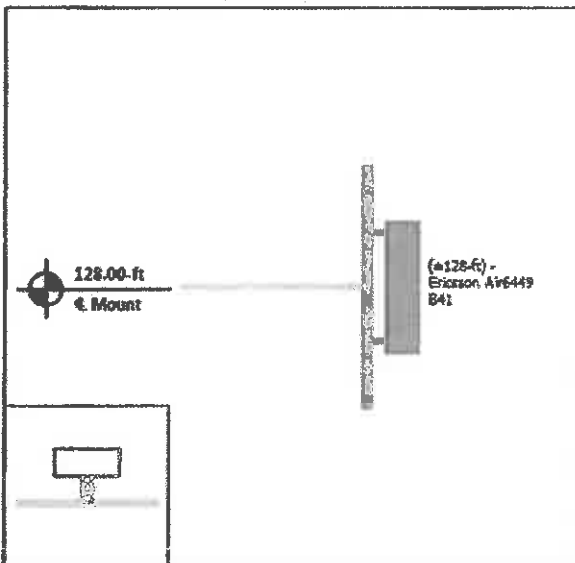
Mount Pipe A



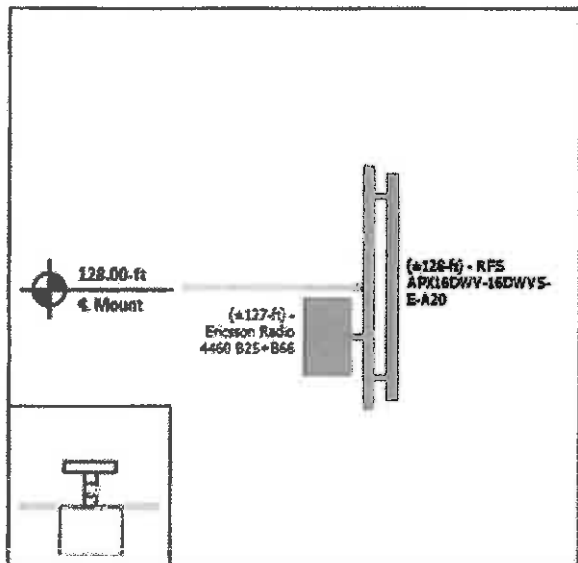
Mount Pipe B



Mount Pipe C



Mount Pipe D





Standard Conditions

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

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

It is the responsibility of the client to ensure that the information provided to A.T. Engineering Service, PLLC and used in the performance of our engineering services is correct and complete.

American Tower assumes that all structures were constructed in accordance with the drawings and specifications.

All connections are to be verified for condition and tightness by the installation contractor preceding any changes to the appurtenance mounting system and/or equipment attached to it.

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

Installation of all equipment and steel should be confirmed not to cause tower conflicts nor impede the tower climbing pegs.

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



Site Number: 413118
Project Number: 13714510_C8_03
Carrier: Sprint Nextel
Mount Elevation: 128 ft
Date: 11/19/2021

Mount Analysis Force Calculations

Wind & Ice Load Calculations:

Velocity Pressure Coefficient	K _z	1.06
Topographic Factor	K _{zt}	1.00
Rooftop Wind Speed-up Factor	K _s	1.00
Shielding Factor	K _a	0.90
Ground Elevation Factor	K _e	0.98
Wind Direction Probability Factor	K _d	0.95
Basic Wind Speed	V	115 mph
Velocity Pressure	q _z	33.3 psf
Height Escalation Factor	K _{iz}	1.15
Thickness of Radial Glaze Ice	T _{iz}	1.15 in

Seismic Load Calculations:

Short Period DSRAP	S _{DS}	0.276
1 Second DSRAP	S _{D1}	0.094
Importance Factor	I	1.0
Response Modification Coefficient	R	2.0
Seismic Response Coefficient	C _s	0.138
Amplification Factor	A	1.0
Total Weight	W	675.5 lbs
Total Shear Force	V _s	93.2 lbs
Horizontal Seismic Load	E _h	93.2 lbs
Vertical Seismic Load	E _v	37.3 lbs

Antenna Calculations (Elevations per Application/RFDS)*

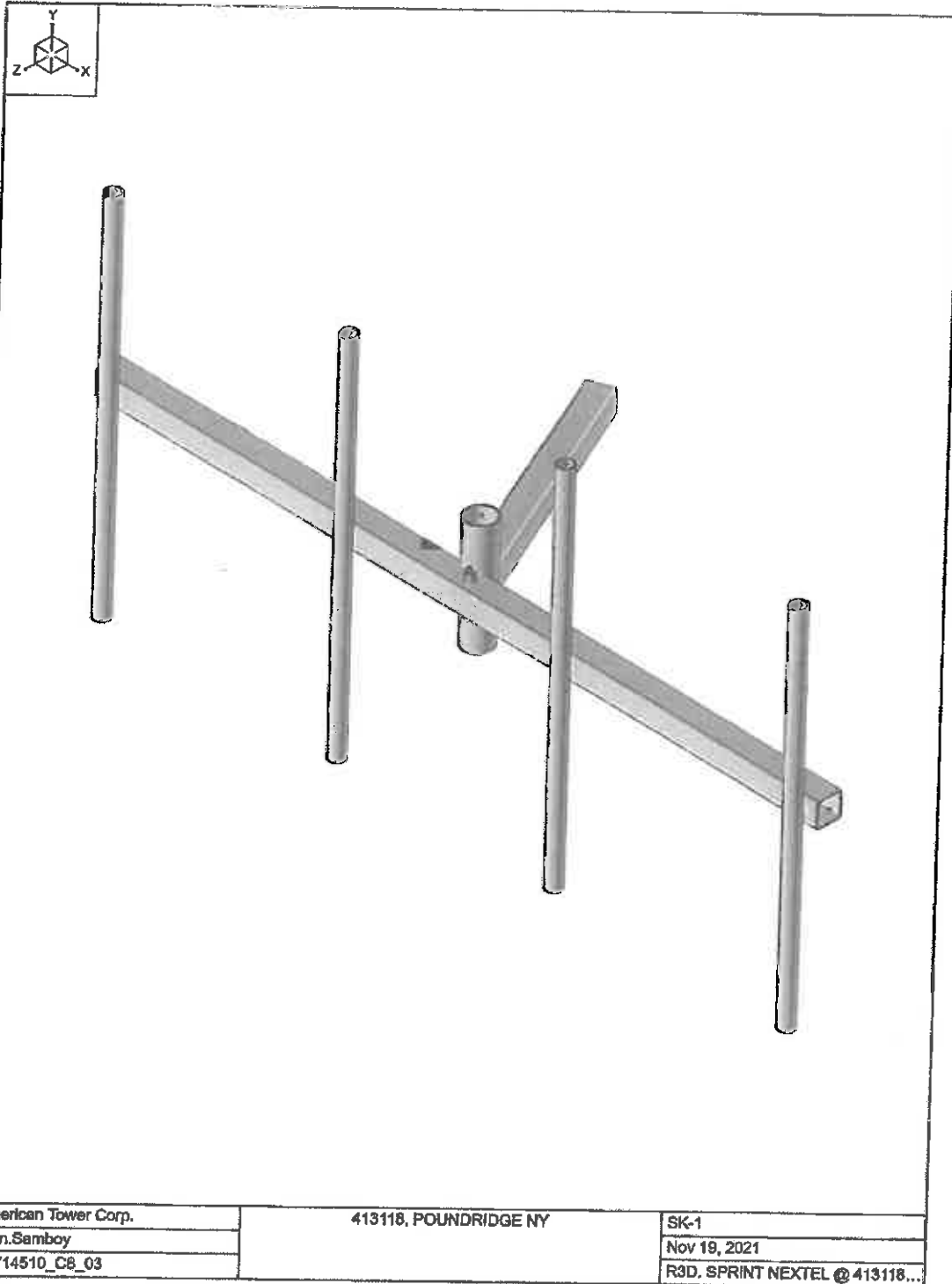
Equipment	Height	Width	Depth	Weight	EPA _w	EPA _r	EPA _{h1}	EPA _{h2}
Model #	in	in	in	lbs	sqft	sqft	sqft	sqft
RFS APXVAALL24 43-U-NA20	95.9	24.0	8.5	122.8	20.24	3.40	22.70	4.41
RFS APX16DWV-16DWVS-E-A20	55.9	13.3	3.1	40.7	6.59	1.26	8.04	2.28
Ericsson Air6449 B41	33.1	20.6	8.6	104.0	5.68	1.56	6.75	2.11
Ericsson Radio 4460 B25+B66	19.6	15.7	12.1	109.0	2.56	1.98	3.28	2.63
Ericsson Radio 4480 B71+B85A	21.8	15.7	7.5	84.0	2.85	1.38	3.61	2.00

* Equipment with EPA values N/A were not considered in the mount analysis



Company : American Tower Corp.
Designer : Alan.Sambo
Job Number : 13714510_C8_03
Model Name : 413118, POUNDRIDGE NY

11/19/2021
3:34:36 PM
Checked By : -

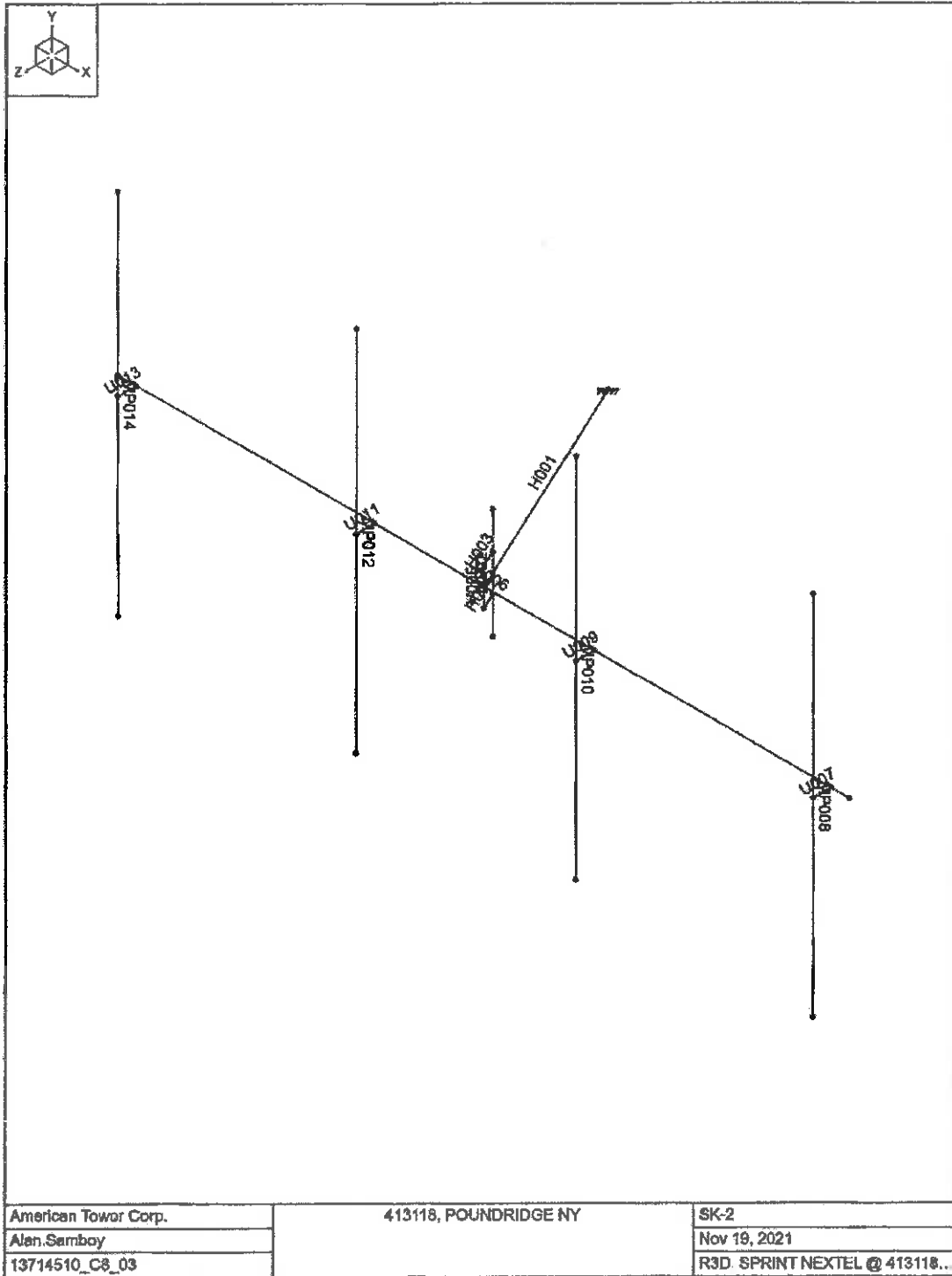


American Tower Corp.	413118, POUNDRIDGE NY	SK-1
Alan.Sambo		Nov 19, 2021
13714510_C8_03		R3D. SPRINT NEXTEL @ 413118...



Company : American Tower Corp.
 Designer : Alan.Sambo
 Job Number : 13714510_C8_03
 Model Name : 413118, POUNDRIDGE NY

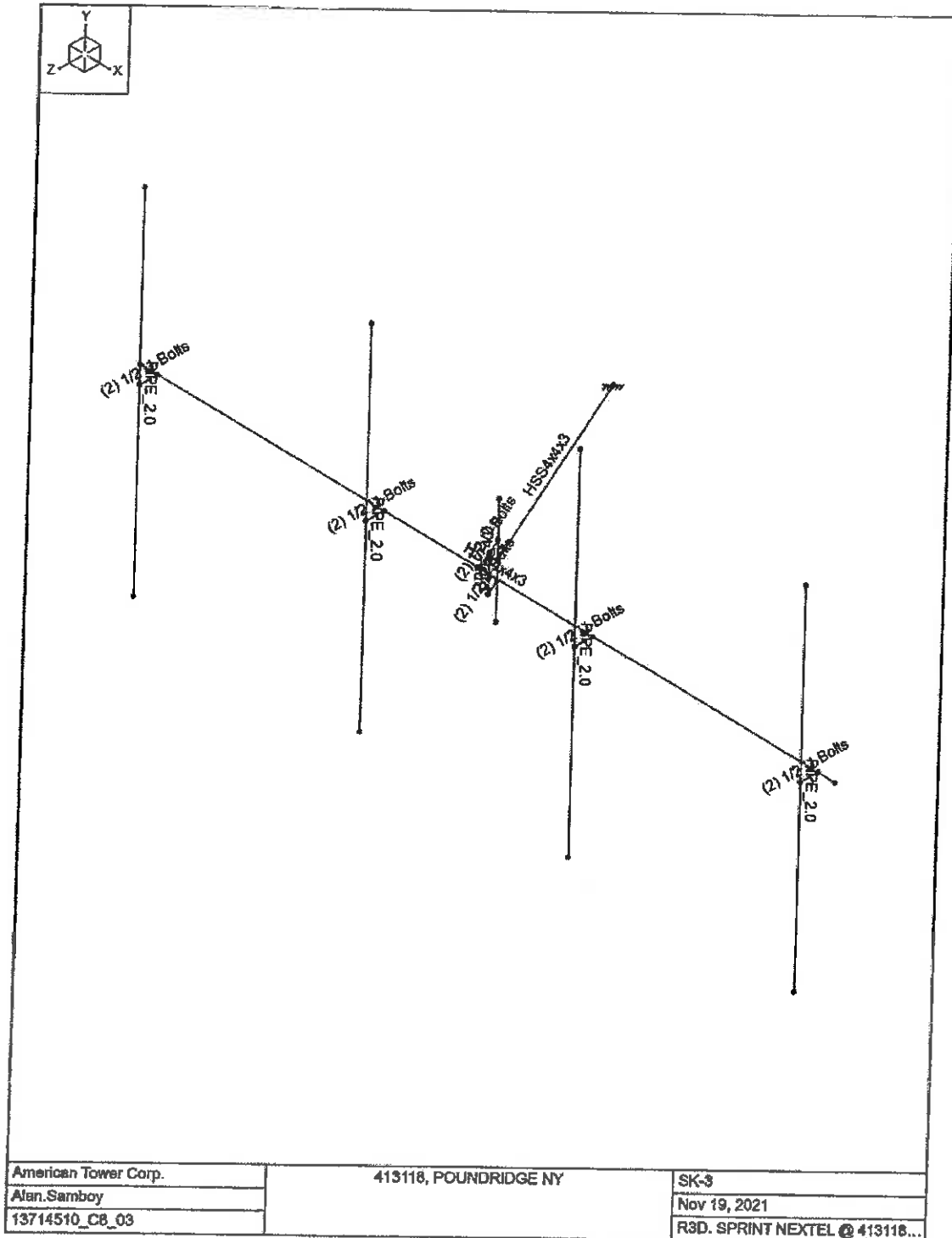
11/19/2021
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 Checked By : -





Company : American Tower Corp.
Designer : Alan Samboy
Job Number : 13714510_C8_03
Model Name : 413118, POUNDRIDGE NY

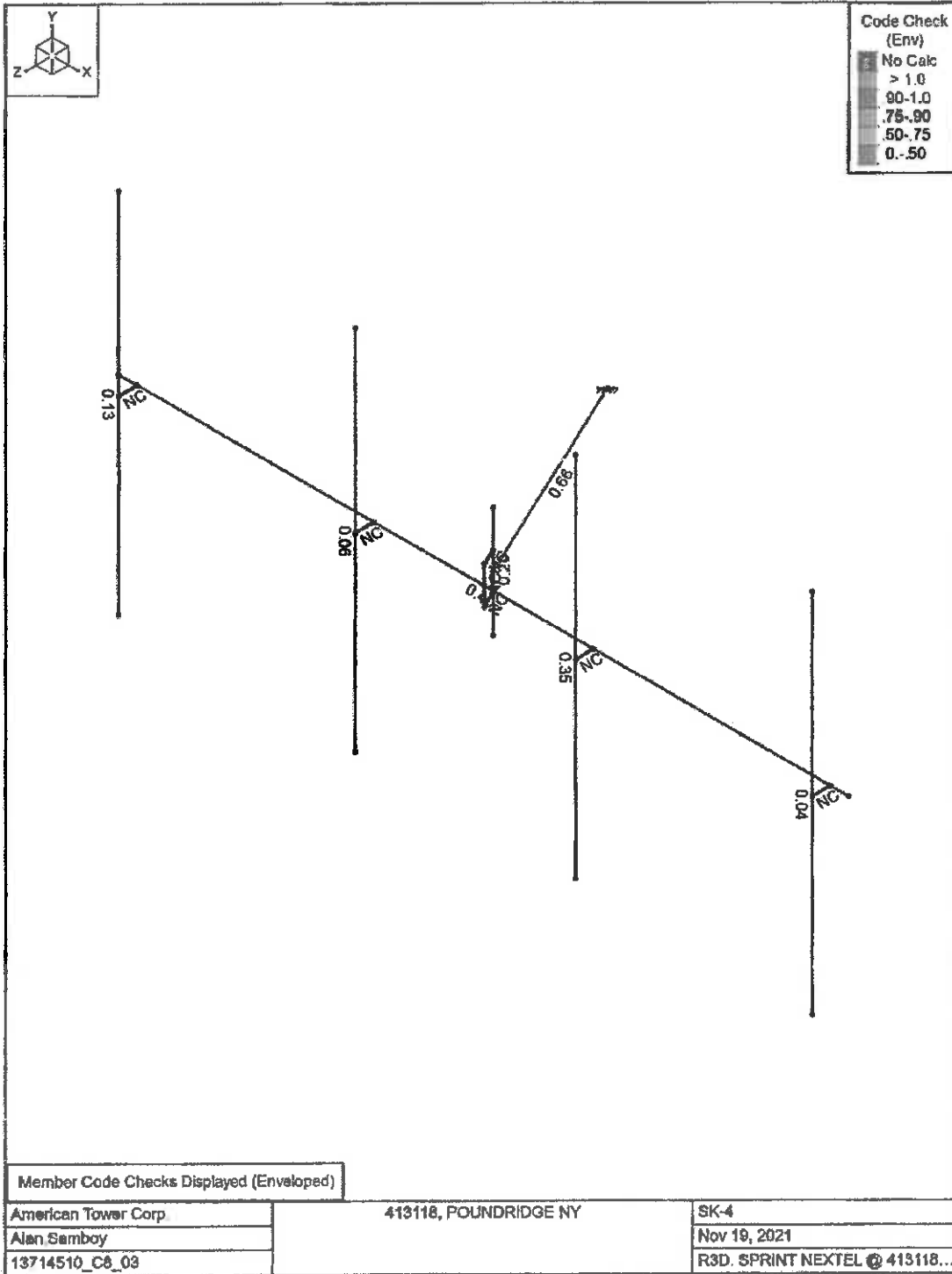
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Company : American Tower Corp.
 Designer : Alan.Sambo
 Job Number : 13714510_C8_03
 Model Name : 413118, POUNDRIDGE NY

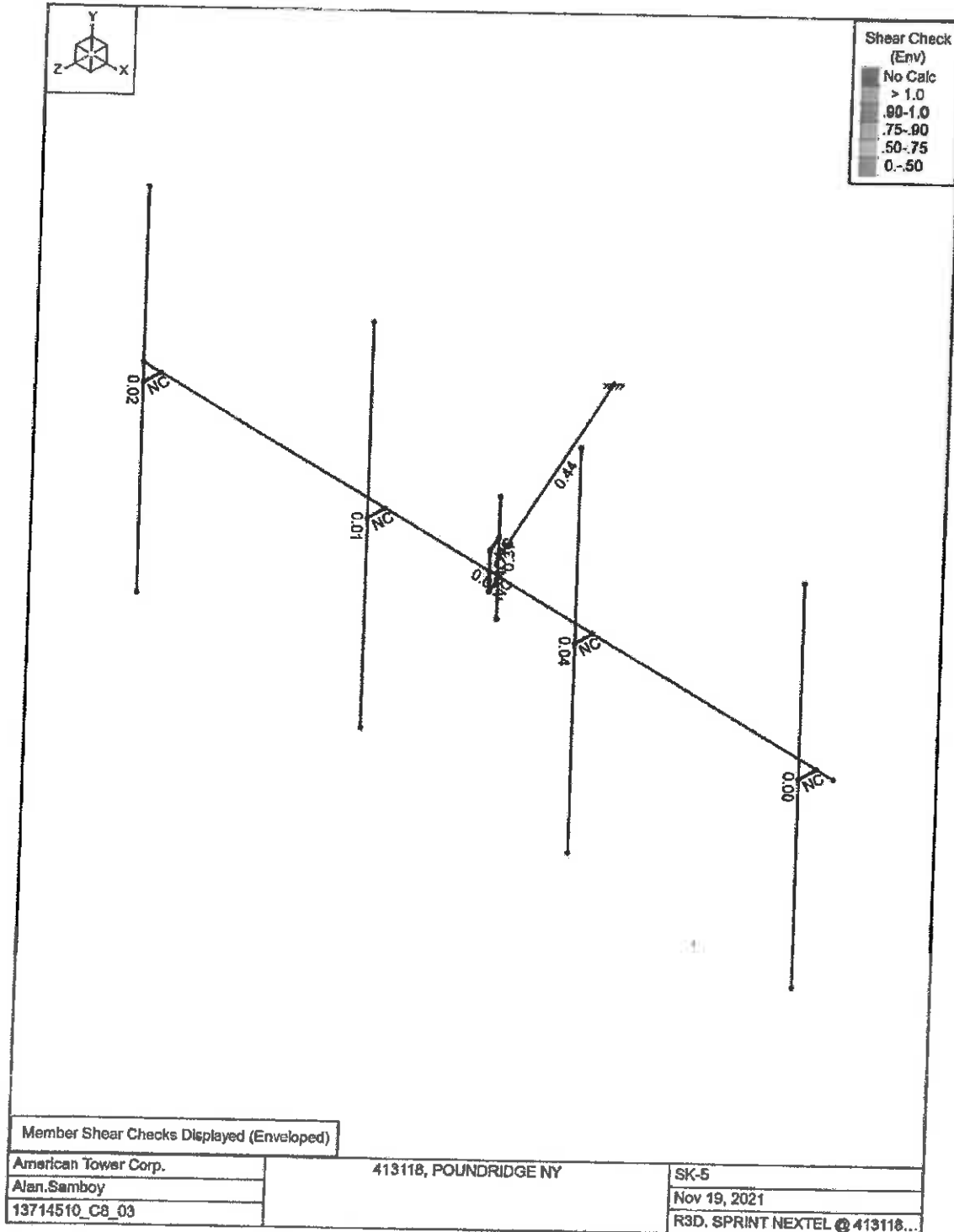
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Company : American Tower Corp.
 Designer : Alan.Sambo
 Job Number : 13714510_C8_03
 Model Name : 413118, POUNDRIDGE NY

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Company : American Tower Corp.
 Designer : Alan Samboj
 Job Number : 13714510_C8_03
 Model Name : 413118, POUNDRIDGE NY

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Node Boundary Conditions

Node Label	X [lb/in]	Y [lb/in]	Z [lb/in]	X Rot [k-in/rad]	Y Rot [k-in/rad]	Z Rot [k-in/rad]
1] N001	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction

Member Primary Data

Label	I Node	J Node	Section/Shape	Type	Design List	Material	Design Rule	
1	H001	N001	N002	HSS4x4x3	Beam	None	A500 Gr. B [SQR]	Typical
2	V002	N004	N003	PIPE 4.0	Column	None	A53 Gr. B	Typical
3	H003	N005	N006	(2) 1/2 U-Bolts	Beam	None	A36	Typical
4	H004	N007	N008	(2) 1/2 U-Bolts	Beam	None	A36	Typical
5	V005	N008	N006	RIGID	None	None	RIGID	Typical
6	H006	N010	N011	HSS4x4x3	Beam	None	A500 Gr. B [SQR]	Typical
7	U007	N012	N016	(2) 1/2 U-Bolts	Beam	None	A36	Typical
8	MP008	N017	N018	PIPE 2.0	Column	None	A53 Gr. B	Typical
9	U009	N013	N019	(2) 1/2 U-Bolts	Beam	None	A36	Typical
10	MP010	N020	N021	PIPE 2.0	Column	None	A53 Gr. B	Typical
11	U011	N014	N022	(2) 1/2 U-Bolts	Beam	None	A36	Typical
12	MP012	N023	N024	PIPE 2.0	Column	None	A53 Gr. B	Typical
13	U013	N015	N025	(2) 1/2 U-Bolts	Beam	None	A36	Typical
14	MP014	N026	N027	PIPE 2.0	Column	None	A53 Gr. B	Typical

Member Advanced Data

Label	Physical	Deflection Ratio Options	Activation	Seismic DR
1	Yes	N/A		None
2	Yes	** NA **		None
3	Yes	N/A	Exclude	None
4	Yes	N/A	Exclude	None
5	Yes	** NA **		None
6	Yes	N/A		None
7	Yes	N/A	Exclude	None
8	Yes	** NA **		None
9	Yes	N/A	Exclude	None
10	Yes	** NA **		None
11	Yes	N/A	Exclude	None
12	Yes	** NA **		None
13	Yes	N/A	Exclude	None
14	Yes	** NA **		None

Hot Rolled Steel Design Parameters

Label	Shape	Length [in]	Lb y-y [in]	Lb z-z [in]	Lcomp top [in]	L-Torque [in]	K y-y	K z-z	Function
1	HSS4x4x3	39				Lbyy	2.1	2.1	Lateral
2	PIPE 4.0	18				Lbyy	2.1	2.1	Lateral
3	(2) 1/2 U-Bolts	3				Lbyy	2.1	2.1	Lateral
4	(2) 1/2 U-Bolts	3				Lbyy	2.1	2.1	Lateral
5	HSS4x4x3	120				Lbyy	2.1	2.1	Lateral
6	(2) 1/2 U-Bolts	3				Lbyy	0.5	0.5	Lateral
7	PIPE 2.0	60	Segment	Segment		Lbyy	2.1	2.1	Lateral
8	(2) 1/2 U-Bolts	3				Lbyy	0.5	0.5	Lateral
9	PIPE 2.0	60	Segment	Segment		Lbyy	2.1	2.1	Lateral
10	(2) 1/2 U-Bolts	3				Lbyy	0.5	0.5	Lateral
11	PIPE 2.0	60	Segment	Segment		Lbyy	2.1	2.1	Lateral
12	(2) 1/2 U-Bolts	3				Lbyy	0.5	0.5	Lateral
13	PIPE 2.0	60	Segment	Segment		Lbyy	2.1	2.1	Lateral



Company : American Tower Corp.
 Designer : Alan Samboj
 Job Number : 13714510_C8_03
 Model Name : 413118, POUNDRIDGE NY

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Hot Rolled Steel Properties

Label	E [psi]	G [psi]	Nu	Therm. Coeff. [1e ⁻⁶ F ⁻¹]	Density [lb/ft ³]	Yield [psi]	Ry	Fu [psi]	Rt
1 A500 Gr B [SQR]	2.9e+07	1.115e+07	0.3	0.65	527	46000	1.4	58000	1.3
2 A53 Gr. B	2.9e+07	1.115e+07	0.3	0.65	490	35000	1.6	60000	1.2
3 A36	2.9e+07	1.115e+07	0.3	0.65	490	36000	1.5	58000	1.2

Envelope Node Reactions

Node Label	X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [lb-ft]	LC	MY [lb-ft]	LC	MZ [lb-ft]	LC
1 N001	max 991.719	18	1611.074	27	1357.31	2	-1878.025	20	3878.829	7	5224.057	67
2	min -991.719	12	606.708	21	-1357.31	20	-5337.102	27	-3903.56	25	-2010.917	109
3 Totals	max 991.719	18	1611.074	27	1357.31	2						
4	min -991.719	12	606.708	21	-1357.31	20						

Envelope AISC 15TH (360-16): LRFD Member Steel Code Checks

Member	Shape	Code Check	Loc[in]	LC	Shear Check	Loc[in]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-y [lb-ft]	phi*Mn z-z [lb-ft]	Cb	Egn
1 H001	HSS4x4x3	0.655	0	70	0.435	0	y	111	88553.988	106812	12661.5	12661.5	1.408	H3-6
2 V002	PIPE 4.0	0.202	9	111	0.366	9		109	90327.022	93240	10631.25	10631.25	1.923	H1-1b
3 H006	HSS4x4x3	0.397	60	101	0.067	60	y	112	22091.762	106812	12661.5	12661.5	1.581	H1-1b
4 MP008	PIPE 2.0	0.045	28.75	73	0.002	28.75		73	23593.813	32130	1871.625	1871.625	2.969	H1-1b
5 MP010	PIPE 2.0	0.348	29.375	8	0.037	29.375		7	22576.779	32130	1871.625	1871.625	1.644	H1-1b
6 MP012	PIPE 2.0	0.061	29.375	7	0.01	29.375		7	22576.779	32130	1871.625	1871.625	3	H1-1b
7 MP014	PIPE 2.0	0.134	29.375	7	0.017	29.375		7	22576.779	32130	1871.625	1871.625	2.47	H1-1b



AMERICAN TOWER®
CORPORATION



Structural Analysis Report

Structure : 153 ft Monopine
ATC Site Name : POUNDRIDGE NY, NY
ATC Site Number : 413118
Engineering Number : 13714510_C3_02
Proposed Carrier : SPRINT NEXTEL
Carrier Site Name : NJ01429A
Carrier Site Number : NJ01429A
Site Location : 29 Adams Lane
Pound Ridge, NY 10576-1507
41.2227, -73.5716
County : Westchester
Date : October 15, 2021
Max Usage : 65%
Result : Pass

Prepared By:

Brad Davenport
Airosmith Engineering

Brad Davenport

Reviewed By:



10/15/2021



Table of Contents

Introduction 3
Supporting Documents 3
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Structure Usages 6
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CalculationsAttached



Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 153 ft Monopine to reflect the change in loading by SPRINT NEXTEL.

Supporting Documents

Tower Drawings	EI Job #13328 Rev 5, dated February 15, 2006
Foundation Drawing	EI Project #13328 Rev4, dated August 29, 2006
Geotechnical Report	GEOServices Project #31-151287P, dated October 12, 2015

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:	115 mph (3-second gust)
Basic Wind Speed w/ Ice:	50 mph (3-second gust) w/ 1.00" radial ice concurrent
Code:	ANSI/TIA-222-H / 2018 IBC / 2020 New York Building Code
Exposure Category:	B
Risk Category:	II
Topographic Factor Procedure:	Method 1
Topographic Category:	1
Crest Height (H):	0 ft
Crest Length (L):	0 ft
Spectral Response:	$S_s = 0.26$, $S_i = 0.06$
Site Class:	D - Stiff Soil - Default

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

Elev. ¹ (ft)	Qty	Equipment	Mount Type	Lines	Carrier
163.0	1	Comprod 893-70-4	T-Arm	(2) 7/8" Coax	COUNTY OF WESTCHESTER
160.0	2	Sinclair SD318-HF2P4SNM(D02)	Side Arm	(2) 7/8" Coax	-
	1	Sinclair SD214-SF3P2SNM(D00)			
	3	RFI Antennas BA160-67-T3		(4) 1 1/4" Coax (2) 1/2" Coax (7) 7/8" Coax	
	1	Sinclair SD314-HF2P4LDF			
	2	RFI Antennas BA160-67-T3			
145.0	1	Sinclair SD212-HF2P4LDF(D00B)	Side Arm	(2) 1 1/4" Coax (1) 1/2" Coax	-
	2	Sinclair SD314-HF2P4LDF			
	1	Generic 5' Omni			
	4	Sinclair SD314-HF2P4LDF		(8) 7/8" Coax	
	4	Sinclair SD314-HF2P4LDF			
138.0	3	CSS X7CAP-680-VM0ip	T-Arm	(6) 1 5/8" Coax (3) 1 5/8" Hybriflex	VERIZON WIRELESS
	6	Commscope JAHH-65B-R3B			
136.0	3	Raycap RRODC-6600-PF-48	T-Arm	(6) 1 5/8" Coax (3) 1 5/8" Hybriflex	VERIZON WIRELESS
	3	Nokia AHFIC AirScale Dual RRH 4T4R B2/66a 320W			
	3	Nokia AHCA AirScale RRH 4T4R B5 160W			
	3	Alcatel-Lucent B13 RRH4x30-4R 700U			
111.0	6	Commscope NNHH-65A-R4	Sector Frame	(2) 0.39" (10mm) Fiber Trunk (4) 0.76" (19.2mm) 8 AWG 6 (12) 1 5/8" Coax (2) 2" conduit (1) 3/8" (0.38"-9.5mm) RET Control Cable	AT&T MOBILITY
	3	Alcatel-Lucent B25 RRH4x30-4R			
	3	Nokia AirScale RRH 4T4R B5 160W AHCA			
	3	Nokia RRH 4T4R B30 100W AHNA (34.2 lbs)			
	2	Raycap DC6-48-60-18-8F ("Squid")			
	3	Andrew DBXNH-6565A-A2M			
94.0	1	Generic 5' Dipole	Side Arm	(1) 1/2" Coax (1) 7/8" Coax	-
93.0	1	Sinclair SD212			
93.0	1	RFS SC3-W100AC		(1) EWP90	COUNTY OF WESTCHESTER
92.0	3	RFS APXVF24-C-A20	T-Arm	(18) 1 5/8" Coax	T-MOBILE
	3	RFS APX16PV-16PVL-A			
	3	Ericsson KRY 112 89/5			
	3	Ericsson KRY 112 144/1			



Equipment to be Removed

Elev. ¹ (ft)	Qty	Equipment	Mount Type	Lines	Carrier
128.0	3	Alcatel-Lucent 2X50W RRH w/o Filter		(6) 1 1/4" Coax (3) 1.25" (31.8mm) Hybrid	SPRINT NEXTEL
	3	Alcatel-Lucent 800 MHz RRH w/ Notch Filter			
	6	RFS APXVSP18-C-A20			
	3	RFS APXVTM14-ALU-I10			
	3	Alcatel-Lucent 1900MHz RRH			

Proposed Equipment

Elev. ¹ (ft)	Qty	Equipment	Mount Type	Lines	Carrier
128.0	3	Ericsson Radio 4460 B25+B66	T-Arm	(3) 1.99" (50.7mm) Hybrid	SPRINT NEXTEL
	3	Ericsson Radio 4480 B71+B85A			
	3	Ericsson Air6449 B41			
	3	RFS APX16DWV-16DWVS-E-A20			
	3	RFS APXVAALL24 43-U-NA20			

¹ Contracted elevations are shown for appurtenances within contracted installation tolerances. Appurtenances outside of contract limits are shown at Installed elevations.

Install proposed lines in the place of the existing SPRINT NEXTEL lines.



Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Anchor Bolts	58%	Pass
Shaft	65%	Pass
Base Plate	27%	Pass
Flange	38%	Pass

Foundations

Reaction Component	Analysis Reactions	% of Design
Moment (Kips-Ft)	8222.8	49%
Shear (Kips)	83.8	28%
Axial (Kips)	71.9	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, Twist and Sway*

Antenna Elevation (ft)	Antenna	Carrier	Deflection (ft)	Sway (Rotation) (°)
128.0	Ericsson Radio 4460 B25+B66	SPRINT NEXTEL	1.178	1.180
	Ericsson Radio 4480 B71+B85A			
	Ericsson Air6449 B41			
	RFS APX16DWV-16DWVS-E-A20			
	RFS APXVAALL24 43-U-NA20			
93.0	RFS SC3-W100AC	COUNTY OF WESTCHESTER	0.578	0.770

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



Standard Conditions

All engineering services performed by ATC Tower Services, Inc. are prepared on the basis that the information used is current and correct. This information may consist of, but is not limited to the following:

- Information supplied by the client regarding antenna, mounts and feed line loading
- Information from drawings, design and analysis documents, and field notes in the possession of ATC Tower Services, Inc.

It is the responsibility of the client to ensure that the information provided to ATC Tower Services, Inc. and used in the performance of our engineering services is correct and complete.

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

Unless explicitly agreed by both the client and ATC Tower Services, Inc., all services will be performed in accordance with the current revision of ANSI/TIA-222.

All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. ATC Tower Services, Inc. is not responsible for the conclusions, opinions and recommendations made by others based on the information supplied herein.

JOB INFORMATION

Asset : 413118, POUNDRIDGE NY
 Client : SPRINT NEXTEL
 Code : ANSI/TIA-222-H

Height : 153 ft
 Base Width : 79
 Shape : 18 Sides

SITE PARAMETERS

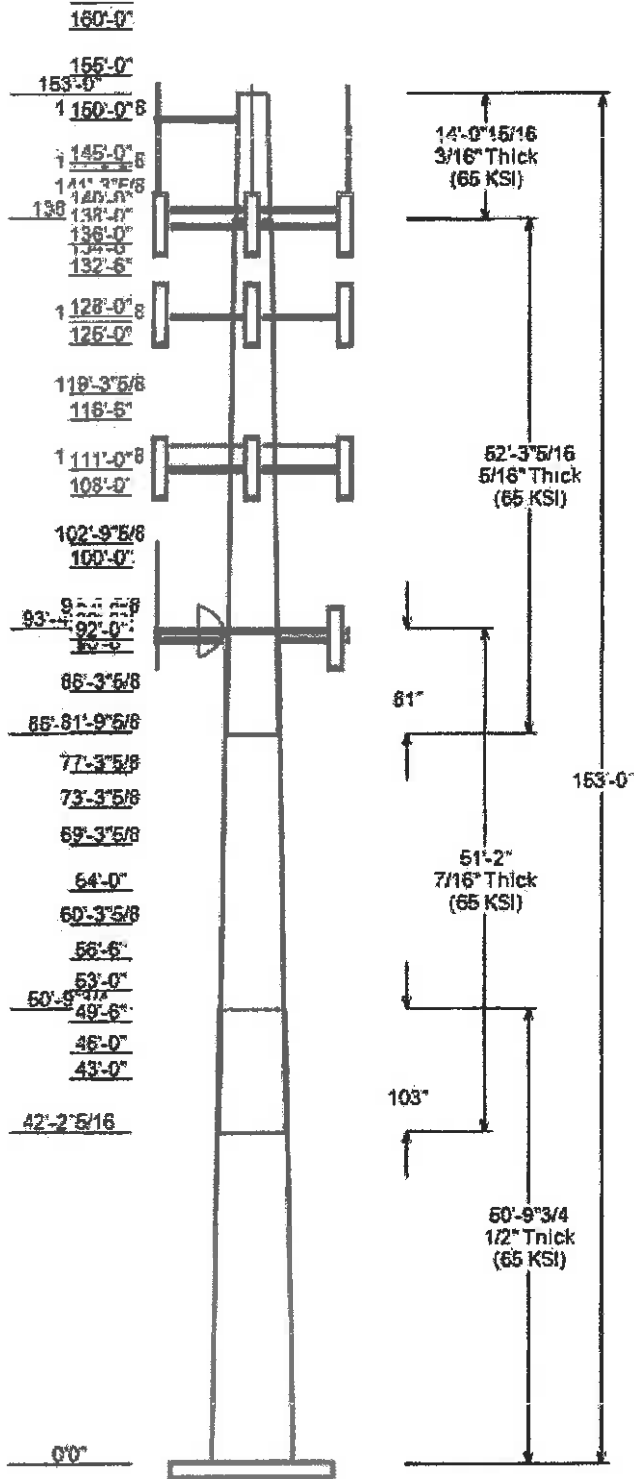
Base Elev (ft): 0.00 Structure Class: II
 Taper : 0.35600 (in/ft) Exposure : B
 Topographic Category : 1 Topographic Feature:
 Topo Method : Method 1

SECTION PROPERTIES

Shaft Section	Length (ft)	Diameter (in)		Thick (in)	Joint Type	Overlap Length (in)	Shape	Steel Grade (ksi)
		Top	Bottom					
1	50.810	60.90	79.00	0.500		0.000	18 Sides	65
2	51.167	46.62	64.85	0.438	Slip Joint	103.410	18 Sides	65
3	52.276	31.02	49.64	0.312	Slip Joint	80.590	18 Sides	65
4	14.081	26.00	31.02	0.188	Butt Joint	0.000	18 Sides	65

DISCRETE APPURTENANCE

Attach Elev (ft)	Force Elev (ft)	Qty	Description
163.0	163.0	1	Comprod 893-70-4
160.0	163.0	2	Sinclair SD318-HF2P4SNM(D02)
160.0	163.0	1	Sinclair SD314-HF2P4LDF
160.0	163.0	1	Sinclair SD214-SF3P2SNM(D00)
160.0	160.0	3	RFI Antennas BA160-67-T3
160.0	160.0	2	RFI Antennas BA160-67-T3
155.0	155.0	4	Pine Branches
150.3	150.3	4	Pine Branches
150.0	150.0	1	Flat T-Arm
145.0	146.0	1	Generic 5' Omni
145.0	145.0	1	Sinclair SD212-HF2P4LDF(D00B)
145.0	145.0	2	Sinclair SD314-HF2P4LDF
145.0	145.0	4	Sinclair SD314-HF2P4LDF
145.0	145.0	4	Sinclair SD314-HF2P4LDF
144.3	144.3	4	Pine Branches
141.3	141.3	4	Pine Branches
140.0	140.0	3	Flat Side Arm
138.0	138.0	6	Commscope JAHH-65B-R3B
138.0	138.0	3	CSS X7CAP-680-VM0ip
138.0	138.0	3	Flat T-Arm
136.0	136.0	3	Nokia AHCA AirScale RRH 4T4R B
136.0	136.0	3	Alcatel-Lucent B13 RRH4x30-4R
136.0	136.0	3	Nokia AHFIC AirScale Dual RRH
136.0	136.0	3	Raycap RRODC-6600-PF-48
134.5	134.5	4	Pine Branches
132.5	132.5	6	Pine Branches
128.0	128.0	3	Ericsson Radio 4460 B25+B66
128.0	128.0	3	Ericsson Radio 4480 B71+B85A
128.0	128.0	3	Ericsson Air6449 B41
128.0	128.0	3	RFS APX16DWV-16DWVS-E-A20
128.0	128.0	3	Flat T-Arm
128.0	128.0	3	RFS APXVAALL24 43-U-NA20
127.3	127.3	4	Pine Branches
127.3	127.3	4	Pine Branches
125.0	125.0	6	Pine Branches
119.3	119.3	4	Pine Branches
116.5	116.5	6	Pine Branches
111.3	111.3	4	Pine Branches
111.0	111.0	3	Nokia AirScale RRH 4T4R B5 160
111.0	111.0	3	Nokia RRH 4T4R B30 100W AHNA (
111.0	111.0	2	Raycap DC6-48-60-18-8F ("Squid
111.0	111.0	3	Alcatel-Lucent B25 RRH4x30-4R
111.0	111.0	3	Andrew DBXNH-6565A-A2M
111.0	111.0	6	Commscope NNHH-65A-R4



JOB INFORMATION

Asset : 413118, POUNDRIDGE NY
 Client : SPRINT NEXTEL
 Code : ANSI/TIA-222-H

Height : 153 ft
 Base Width : 79
 Shape : 18 Sides

DISCRETE APPURTENANCE

Attach Elev (ft)	Force Elev (ft)	Qty	Description
111.0	111.0	3	Generic Flat Light Sector Fram
108.0	108.0	6	Pine Branches
102.8	102.8	4	Pine Branches
100.0	100.0	6	Pine Branches
94.8	94.8	4	Pine Branches
94.0	98.0	1	Generic 5' Dipole
93.0	93.0	1	Sinclair SD212
93.0	93.0	3	Generic Round Side Arm
93.0	93.0	1	RFS SC3-W100AC
92.0	92.0	3	Ericsson KRY 112 144/1
92.0	92.0	3	Ericsson KRY 112 89/5
92.0	92.0	3	RFS APX16PV-16PVL-A
92.0	92.0	3	RFS APXVF24-C-A20
92.0	92.0	2	Generic Flat T-Arm
90.5	90.5	4	Pine Branches
86.3	86.3	4	Pine Branches
81.8	81.8	4	Pine Branches
77.3	77.3	4	Pine Branches
73.3	73.3	4	Pine Branches
69.3	69.3	4	Pine Branches
64.0	64.0	4	Pine Branches
60.3	60.3	4	Pine Branches
56.5	56.5	4	Pine Branches
53.0	53.0	4	Pine Branches
49.5	49.5	4	Pine Branches
46.0	46.0	4	Pine Branches
46.0	46.0	16	Pine Branches
43.0	43.0	4	Pine Branches
43.0	43.0	4	Pine Branches

LINEAR APPURTENANCE

Elev From (ft)	Elev To (ft)	Description	Exp To W/nd
0.0	163.0	7/8" Coax	No
5.0	160.0	7/8" Coax	No
5.0	160.0	7/8" Coax	No
5.0	160.0	7/8" Coax	No
0.0	160.0	1/2" Coax	No
0.0	160.0	1 1/4" Coax	No
5.0	145.0	7/8" Coax	No
5.0	145.0	7/8" Coax	No
0.0	145.0	7/8" Coax	No
0.0	145.0	1/2" Coax	No
0.0	145.0	1 1/4" Coax	No
5.0	138.0	1 5/8" Coax	No
0.0	136.0	1 5/8" Hybriflex	No
0.0	128.0	1.99" (50.7mm) Hybrid	No
5.0	111.0	2" conduit	No
5.0	111.0	1 5/8" Coax	No
5.0	111.0	0.76" (19.2mm) 8 AWG 6	No
5.0	111.0	0.39" (10mm) Fiber Trunk	No
0.0	111.0	3/8" (0.38"- 9.5mm) RET Control Cable	No
0.0	94.0	1/2" Coax	No
5.0	93.0	EWP90	No
0.0	93.0	7/8" Coax	No
0.0	92.0	1 5/8" Coax	No

LOAD CASES

1.2D + 1.0W Normal 115 mph wind with no ice
 0.9D + 1.0W Normal 115 mph wind with no ice
 1.2D + 1.0Di + 1.0Wj Nor 50 mph wind with 1" radial ice

JOB INFORMATION

Asset : 413118, POUNDRIDGE NY
 Client : SPRINT NEXTEL
 Code : ANSI/TIA-222-H

Height : 153 ft
 Base Width : 79
 Shape : 18 Sides

1.2D + 1.0Ev + 1.0Eh Nor Seismic
 0.9D - 1.0Ev + 1.0Eh Nor Seismic (Reduced DL)
 1.0D + 1.0W Service Norm 60 mph Wind with No Ice

REACTIONS			
Load Case	Moment (kip-ft)	Shear (Kip)	Axial (Kip)
1.2D + 1.0W Normal	8222.78	83.76	71.88
0.9D + 1.0W Normal	8194.96	83.74	53.89
1.2D + 1.0Di + 1.0Wi Normal	2337.60	23.59	91.47
1.2D + 1.0Ev + 1.0Eh Normal	311.49	3.05	72.44
0.9D - 1.0Ev + 1.0Eh Normal	310.12	3.05	48.78
1.0D + 1.0W Service Normal	1999.05	20.40	59.97

DISH DEFLECTIONS			
Load Case	Attach Elev (ft)	Deflection (in)	Rotation (deg)
1.0D + 1.0W Service Normal	93.00	5.641	0.604

ASSET: 413118, POUNDRIDGE NY
 CUSTOMER: SPRINT NEXTEL

CODE: ANSI/TIA-222-H
 ENG NO:

ANALYSIS PARAMETERS

Location:	Westchester County, NY	Height:	153 ft
Type and Shape:	Custom, 18 Sides	Base Diameter:	79.00 in
Manufacturer:	Undetermined	Top Diameter:	18.00 in
K _d (non-service):	0.95	Taper:	0.3560 in/ft
K _e :	0.98	Rotation:	0.000°

ICE & WIND PARAMETERS

Exposure Category:	B	Design Wind Speed w/o ice:	115 mph
Risk Category:	II	Design Wind Speed w/ice:	50 mph
Topo Factor Procedure:	Method 1	Operational Wind Speed:	60 mph
Topographic Category:	1	Design Ice Thickness:	1.00 in
Crest Height:	0 ft	HMSL:	668.00 ft

SEISMIC PARAMETERS

Analysis Method:	Equivalent Lateral Force Method		
Site Class:	D - Stiff Soil	Period Based on Rayleigh Method (sec):	1.24
T _L (sec):	6	P:	1
S _s :	0.259	S ₁ :	0.059
F _B :	1.593	F _v :	2.400
S _{ds} :	0.275	S _{dt} :	0.094
		C _s :	0.051
		C _s Max:	0.051
		C _s Min:	0.030

LOAD CASES

1.2D + 1.0W Normal	115 mph wind with no ice
0.9D + 1.0W Normal	115 mph wind with no ice
1.2D + 1.0Di + 1.0Wi Normal	50 mph wind with 1" radial ice
1.2D + 1.0Ev + 1.0Eh Normal	Seismic
0.9D - 1.0Ev + 1.0Eh Normal	Seismic (Reduced DL)
1.0D + 1.0W Service Normal	60 mph Wind with No Ice

ASSET: 413118, POUNDRIDGE NY
 CUSTOMER: SPRINT NEXTEL

CODE: ANS/TIA-222-H
 ENG NO:

SHAFT SECTION PROPERTIES

Sect Info	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Bottom								Top						
					Slip Joint len (in)	Weight (lb)	Dia (in)	Elev (ft)	Area (in ²)	Ix (in ⁴)	W/t Ratio	D/t Ratio	Dia (in)	Elev (in)	Area (in ²)	Ix (in ⁴)	W/t Ratio	D/t Ratio	Taper (in/ft)
									124.5						44,183.3				
1-18	50.81	0.5000	65		0.00	19,055	79.00	0.000	8	96,989.2	26.10	158.00	60.90	50.81	95.85	19.71	121.80	0.3562	
2-18	51.17	0.4375	65	Slip	103.41	13,368	64.85	42.193	89.44	46,876.1	24.37	148.22	46.62	93.36	64.13	17,280.9	17.03	106.56	0.3562
3-18	52.28	0.3125	65	Slip	80.59	7,060	49.64	86.644	48.92	15,038.4	26.24	158.84	31.02	138.92	30.45	3,627.4	15.74	99.25	0.3562
4-18	14.08	0.1875	65	Butt	0.00	808	31.02	138.919	18.35	2,202.9	27.40	165.42	26.00	153.00	15.36	1,293.1	22.69	138.67	0.3562

Shaft Weight 40,291

DISCRETE APPURTENANCE PROPERTIES

Attach Elev (ft)	Description	Qty	Ka	Vert Ecc (ft)	No Ice			Ice		
					Weight (lb)	EPAA (sf)	Orientation Factor	Weight (lb)	EPAA (sf)	Orientation Factor
163.00	Comprod 893-70-4	1	1.00	0.000	60.00	5.810	1.00	178.16	14.597	1.00
160.00	Sinclair SD214-SF3P2SNM(D00)	1	1.00	3.000	48.50	6.520	1.00	178.13	16.784	1.00
160.00	RFI Antennas BA160-67-T3	2	1.00	0.000	44.10	6.560	1.00	150.65	10.478	1.00
160.00	RFI Antennas BA160-67-T3	3	1.00	0.000	44.10	6.560	1.00	150.65	10.478	1.00
160.00	Sinclair SD314-HF2P4LDF	1	1.00	3.000	25.10	4.130	1.00	102.48	7.713	1.00
160.00	Sinclair SD318-HF2P4SNM(D02)	2	1.00	3.000	46.00	3.550	1.00	124.63	10.596	1.00
155.00	Pine Branches	4	1.00	0.000	37.50	60.000	0.67	54.97	87.954	0.67
150.30	Pine Branches	4	1.00	0.000	12.50	4.000	0.67	18.32	5.862	0.67
150.00	Flat T-Arm	1	1.00	0.000	250.00	12.900	1.00	389.38	18.354	1.00
145.00	Generic 5' Omni	1	1.00	1.000	10.00	1.000	1.00	28.23	1.912	1.00
145.00	Sinclair SD212-HF2P4LDF(D00B)	1	1.00	0.000	39.00	4.120	1.00	117.20	8.898	1.00
145.00	Sinclair SD314-HF2P4LDF	4	1.00	0.000	25.10	4.130	1.00	102.11	7.696	1.00
145.00	Sinclair SD314-HF2P4LDF	4	1.00	0.000	25.10	4.130	1.00	102.11	7.696	1.00
145.00	Sinclair SD314-HF2P4LDF	2	1.00	0.000	25.10	4.130	1.00	102.11	7.696	1.00
144.30	Pine Branches	4	1.00	0.000	12.50	4.000	0.67	18.29	5.852	0.67
141.30	Pine Branches	4	1.00	0.000	12.50	4.000	0.67	18.28	5.850	0.67
140.00	Flat Side Arm	3	1.00	0.000	150.00	6.300	0.67	198.51	7.930	0.67
138.00	Flat T-Arm	3	0.75	0.000	250.00	12.900	0.67	388.36	18.314	0.67
138.00	CSS X7CAP-880-VM0ip	3	0.80	0.000	38.20	9.549	0.68	176.32	11.385	0.68
138.00	Commscope JAHH-65B-R3B	6	0.80	0.000	60.60	9.113	0.69	194.53	10.950	0.69
136.00	Nokia AHCA AirScale RRH 4T4R B	3	0.80	0.000	35.30	1.286	0.50	61.30	1.784	0.50
136.00	Raycap RRODC-6600-PF-48	3	0.80	0.000	31.50	4.056	0.72	115.55	4.959	0.72
136.00	Nokia AHFC AirScale Dual RRH	3	0.80	0.000	79.40	2.218	0.50	120.70	2.890	0.50
136.00	Alcatel-Lucent B13 RRH4x30-4R	3	0.80	0.000	57.20	2.170	0.50	102.63	2.836	0.50
134.50	Pine Branches	4	1.00	0.000	12.50	4.000	0.67	18.25	5.840	0.67
132.50	Pine Branches	6	1.00	0.000	50.00	30.000	0.67	72.96	43.777	0.67
128.00	Ericsson Air6449 B41	3	0.80	0.000	104.00	5.682	0.63	193.58	6.725	0.63
128.00	RFS APXVAALL24 43-U-NA20	3	0.80	0.000	122.80	20.243	0.63	378.84	22.681	0.63
128.00	Ericsson Radio 4460 B25+B66	3	0.80	0.000	109.00	2.564	0.67	167.10	3.257	0.67
128.00	RFS APX16DWV-16DWVS-E-A20	3	0.80	0.000	40.70	6.586	0.60	117.49	8.010	0.60
128.00	Flat T-Arm	3	0.75	0.000	250.00	12.900	0.67	387.38	18.276	0.67
128.00	Ericsson Radio 4480 B71+B85A	3	0.80	0.000	84.00	2.852	0.67	133.66	3.586	0.67
127.30	Pine Branches	4	1.00	0.000	12.50	4.000	0.67	18.22	5.830	0.67
127.30	Pine Branches	4	1.00	0.000	12.50	4.000	0.67	18.22	5.830	0.67
125.00	Pine Branches	6	1.00	0.000	50.00	30.000	0.67	72.80	43.682	0.67
119.30	Pine Branches	4	1.00	0.000	12.50	4.000	0.67	18.18	5.817	0.67
116.50	Pine Branches	6	1.00	0.000	50.00	30.000	0.67	72.67	43.604	0.67
111.30	Pine Branches	4	1.00	0.000	12.50	4.000	0.67	18.15	5.807	0.67
111.00	Commscope NNHH-65A-R4	6	0.80	0.000	67.20	9.103	0.63	194.90	10.541	0.63
111.00	Andrew DBXNH-6565A-A2M	3	0.80	0.000	34.20	5.388	0.69	116.18	6.645	0.69
111.00	Alcatel-Lucent B25 RRH4x30-4R	3	0.80	0.000	51.00	2.140	0.67	90.41	2.787	0.67
111.00	Nokia RRH 4T4R B30 100W AHNA (3	0.80	0.000	34.20	1.341	0.50	58.44	1.837	0.50
111.00	Generic Flat Light Sector Fram	3	0.75	0.000	400.00	17.900	0.67	595.00	27.676	0.67
111.00	Raycap DC6-48-60-18-8F ("Squid	2	0.80	0.000	31.80	1.470	0.67	71.78	1.923	0.67
111.00	Nokia AirScale RRH 4T4R B5 160	3	0.80	0.000	35.30	1.286	0.50	60.78	1.774	0.50
108.00	Pine Branches	6	1.00	0.000	50.00	30.000	0.67	72.49	43.492	0.67
102.80	Pine Branches	4	1.00	0.000	12.50	4.000	0.67	18.09	5.790	0.67
100.00	Pine Branches	6	1.00	0.000	50.00	30.000	0.67	72.29	43.373	0.67
94.80	Pine Branches	4	1.00	0.000	12.50	4.000	0.67	18.05	5.777	0.67
94.00	Generic 5' Dipole	1	1.00	4.000	15.00	1.740	1.00	50.94	3.177	1.00
93.00	Sinclair SD212	1	1.00	0.000	16.00	4.900	1.00	100.65	9.858	1.00
93.00	Generic Round Side Arm	3	1.00	0.000	187.50	5.200	0.67	245.70	6.929	0.67
93.00	RFS SC3-W100AC	1	1.00	0.000	40.00	10.737	1.00	178.85	11.956	1.00
92.00	Ericsson KRY 112 144/1	3	0.80	0.000	11.00	0.351	0.50	17.84	0.809	0.50
92.00	Ericsson KRY 112 89/5	3	0.80	0.000	15.40	0.550	0.50	26.59	0.882	0.50

ASSET: 413118, POUNDRIDGE NY
 CUSTOMER: SPRINT NEXTEL

CODE: ANSI/TIA-222-H
 ENG NO:

DISCRETE APPURTENANCE PROPERTIES

Attach Elev (ft)	Description	Qty	Ka	Vert Ecc (ft)	No Ice			Ice		
					Weight (lb)	EPAA (sf)	Orientation Factor	Weight (lb)	EPAA (sf)	Orientation Factor
92.00	RFS APX16PV-16PVL-A	3	0.80	0.000	39.60	6.037	0.60	114.63	6.701	0.60
92.00	Generic Flat T-Arm	2	0.75	0.000	312.50	12.900	0.67	478.56	18.098	0.67
92.00	RFS APXVF24-C-A20	3	0.80	0.000	50.70	12.866	0.66	208.96	15.156	0.66
90.50	Pine Branches	4	1.00	0.000	12.50	4.000	0.67	18.03	5.769	0.67
86.30	Pine Branches	4	1.00	0.000	12.50	4.000	0.67	18.00	5.760	0.67
81.80	Pine Branches	4	1.00	0.000	12.50	4.000	0.67	17.97	5.750	0.67
77.30	Pine Branches	4	1.00	0.000	12.50	4.000	0.67	17.94	5.740	0.67
73.30	Pine Branches	4	1.00	0.000	12.50	4.000	0.67	17.90	5.729	0.67
69.30	Pine Branches	4	1.00	0.000	12.50	4.000	0.67	17.87	5.718	0.67
64.00	Pine Branches	4	1.00	0.000	12.50	4.000	0.67	17.83	5.705	0.67
60.30	Pine Branches	4	1.00	0.000	12.50	4.000	0.67	17.81	5.699	0.67
56.50	Pine Branches	4	1.00	0.000	12.50	4.000	0.67	17.77	5.686	0.67
53.00	Pine Branches	4	1.00	0.000	12.50	4.000	0.67	17.73	5.674	0.67
49.50	Pine Branches	4	1.00	0.000	12.50	4.000	0.67	17.69	5.660	0.67
46.00	Pine Branches	16	1.00	0.000	37.50	60.000	0.67	52.99	84.783	0.67
46.00	Pine Branches	4	1.00	0.000	12.50	4.000	0.67	17.66	5.652	0.67
43.00	Pine Branches	4	1.00	0.000	37.50	4.000	0.67	52.89	5.641	0.67
43.00	Pine Branches	4	1.00	0.000	12.50	4.000	0.67	17.63	5.641	0.67
Totals	Num Loadings: 73			257	12,705.50			24,126.74		

LINEAR APPURTENANCE PROPERTIES

Load Case Azimuth (deg) :

Elev From (ft)	Elev To (ft)	Qty	Description	Coax Dia (in)	Coax Wt (lb/ft)	Flat	Max Coax/ Row	Dist Between Rows (in)	Dist Between Cols (in)	Azimuth (deg)	Dist From Face (in)	Exposed To Wind	Carrier
0.00	163.00	2	7/8" Coax	1.09	0.33	N	0	0	0	0	0	N	COUNTY OF WES
5.00	160.00	5	7/8" Coax	1.09	0.33	N	0	0	0	0	0	N	COUNTY OF WES
0.00	160.00	4	1 1/4" Coax	1.55	0.63	N	0	0	0	0	0	N	COUNTY OF WES
0.00	160.00	2	1/2" Coax	0.63	0.15	N	0	0	0	0	0	N	COUNTY OF WES
5.00	160.00	2	7/8" Coax	1.09	0.33	N	0	0	0	0	0	N	COUNTY OF WES
5.00	160.00	2	7/8" Coax	1.09	0.33	N	0	0	0	0	0	N	COUNTY OF WES
0.00	145.00	4	7/8" Coax	1.09	0.33	N	0	0	0	0	0	N	COUNTY OF WES
0.00	145.00	2	1 1/4" Coax	1.55	0.63	N	0	0	0	0	0	N	COUNTY OF WES
5.00	145.00	2	7/8" Coax	1.09	0.33	N	0	0	0	0	0	N	COUNTY OF WES
5.00	145.00	2	7/8" Coax	1.09	0.33	N	0	0	0	0	0	N	COUNTY OF WES
0.00	145.00	1	1/2" Coax	0.63	0.15	N	0	0	0	0	0	N	COUNTY OF WES
5.00	138.00	6	1 5/8" Coax	1.98	0.82	N	0	0	0	0	0	N	VERIZON WIREL
0.00	136.00	3	1 5/8" Hybriflex	1.98	1.3	N	0	0	0	0	0	N	VERIZON WIREL
0.00	128.00	3	1.99" (50.7mm) Hybrid	1.99	1.9	N	3	0	0	0	0	N	SPRINT NEXTEL
5.00	111.00	12	1 5/8" Coax	1.98	0.82	N	0	0	0	0	0	N	AT&T MOBILITY
5.00	111.00	4	0.76" (19.2mm) 8 AWG	0.76	0.53	N	0	0	0	0	0	N	AT&T MOBILITY
5.00	111.00	2	2" conduit	2.38	3.65	N	0	0	0	0	0	N	AT&T MOBILITY
5.00	111.00	2	0.39" (10mm) Fiber Tr	0.39	0.06	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	111.00	1	3/8" (9.5mm) R	0.38	0.23	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	94.00	1	1/2" Coax	0.63	0.15	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	93.00	1	7/8" Coax	1.09	0.33	N	0	0	0	0	0	N	AT&T MOBILITY
5.00	93.00	1	EWP90	1.32	0.32	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	92.00	18	1 5/8" Coax	1.98	0.82	N	0	0	0	0	0	N	COUNTY OF WES T-MOBILE

SEGMENT PROPERTIES

(Max Len: 5.ft)

Seg Top Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in ²)	Ix (in ⁴)	W/t Ratio	D/t Ratio	Fy (ksi)	S (in ³)	Z (in ³)	Weight (lb)
0.00		0.5000	79.000	124.575	96,989.20	26.10	158.00	70.7	2418.1	0.0	0.0
5.00		0.5000	77.219	121.749	90,536.40	25.47	154.44	71.4	2309.3	0.0	2,095.5
10.00		0.5000	75.438	118.922	84,376.30	24.84	150.88	72.2	2203.0	0.0	2,047.4
15.00		0.5000	73.857	116.096	78,502.20	24.21	147.31	72.9	2099.2	0.0	1,999.3
20.00		0.5000	71.876	113.270	72,907.30	23.58	143.75	73.7	1997.9	0.0	1,951.2
25.00		0.5000	70.095	110.443	67,584.70	22.96	140.19	74.4	1899.1	0.0	1,903.1
30.00		0.5000	68.314	107.617	62,527.70	22.33	136.63	75.1	1802.8	0.0	1,855.0
35.00		0.5000	66.533	104.791	57,729.50	21.70	133.07	75.9	1709.0	0.0	1,806.9
40.00		0.5000	64.752	101.964	53,183.20	21.07	129.50	76.6	1617.7	0.0	1,758.9
42.19	Bot - Section 2	0.5000	63.971	100.725	51,267.20	20.80	127.94	76.9	1578.5	0.0	756.2
43.00		0.5000	63.683	100.268	50,573.50	20.69	127.37	77.1	1564.2	0.0	521.2
45.00		0.5000	62.971	99.138	48,882.10	20.44	125.94	77.4	1528.9	0.0	1,281.1
46.00		0.5000	62.615	98.573	48,050.70	20.32	125.23	77.5	1511.5	0.0	635.1
49.50		0.5000	61.368	96.594	45,215.10	19.88	122.74	78	1451.2	0.0	2,194.6
50.00		0.5000	61.190	96.312	44,819.40	19.82	122.38	78.1	1442.7	0.0	309.9
50.81	Top - Section 1	0.4375	61.777	85.174	40,488.60	23.13	141.20	74.2	1290.9	0.0	500.1
53.00		0.4375	60.996	84.091	38,963.40	22.82	139.42	74.6	1258.2	0.0	630.7
55.00		0.4375	60.284	83.101	37,604.40	22.53	137.79	74.9	1228.6	0.0	588.9
56.50		0.4375	59.750	82.359	36,606.20	22.32	136.57	75.2	1206.7	0.0	422.3
60.00		0.4375	58.503	80.628	34,346.10	21.82	133.72	75.7	1156.3	0.0	970.6
60.30		0.4375	58.396	80.480	34,156.80	21.77	133.48	75.8	1152.1	0.0	82.2
64.00		0.4375	57.078	78.650	31,879.30	21.24	130.46	76.4	1100.1	0.0	1,001.7
65.00		0.4375	56.722	78.155	31,281.60	21.10	129.65	76.6	1086.2	0.0	266.8
69.30		0.4375	55.190	76.028	28,796.70	20.48	126.15	77.3	1027.7	0.0	1,128.0
70.00		0.4375	54.941	75.682	28,405.10	20.38	125.58	77.4	1018.3	0.0	180.7
73.30		0.4375	53.766	74.050	26,606.60	19.91	122.89	78	974.7	0.0	840.7
75.00		0.4375	53.160	73.209	25,710.50	19.66	121.51	78.3	952.6	0.0	425.9
77.30		0.4375	52.341	72.072	24,530.50	19.33	119.64	78.7	923.1	0.0	588.5
80.00		0.4375	51.379	70.736	23,192.00	18.94	117.44	79.1	889.1	0.0	656.0
81.80		0.4375	50.738	69.846	22,327.20	18.69	115.97	79.4	866.7	0.0	430.5
85.00		0.4375	49.598	68.263	20,843.50	18.23	113.37	80	827.7	0.0	751.9
86.30		0.4375	49.135	67.620	20,260.10	18.04	112.31	80.2	812.1	0.0	300.5
86.64	Bot - Section 3	0.4375	49.013	67.450	20,107.80	17.99	112.03	80.2	808.1	0.0	78.9
90.00		0.4375	47.817	65.790	18,659.20	17.51	109.30	80.8	768.6	0.0	1,313.0
90.50		0.4375	47.639	65.543	18,449.60	17.44	108.89	80.9	762.8	0.0	192.8
92.00		0.4375	47.105	64.801	17,830.10	17.22	107.67	81.1	745.5	0.0	574.0
93.00		0.4375	46.748	64.306	17,425.00	17.08	106.85	81.3	734.2	0.0	379.1
93.36	Top - Section 2	0.3125	47.245	46.550	12,954.70	24.89	151.19	72.1	540.1	0.0	135.5
94.00		0.3125	47.017	46.324	12,766.60	24.77	150.46	72.3	534.8	0.0	101.2
94.80		0.3125	46.732	46.041	12,534.40	24.61	149.54	72.5	528.3	0.0	125.7
95.00		0.3125	46.661	45.970	12,476.70	24.57	149.32	72.5	526.7	0.0	31.3
100.00		0.3125	44.880	44.204	11,093.00	23.56	143.62	73.7	486.8	0.0	767.1
102.80		0.3125	43.883	43.215	10,364.80	23.00	140.42	74.4	465.2	0.0	416.5
105.00		0.3125	43.099	42.437	9,815.60	22.56	137.92	74.9	448.6	0.0	320.6
108.00		0.3125	42.030	41.377	9,098.30	21.95	134.50	75.6	426.4	0.0	427.8
110.00		0.3125	41.318	40.671	8,640.10	21.55	132.22	76.1	411.9	0.0	279.2
111.00		0.3125	40.962	40.318	8,416.90	21.35	131.08	76.3	404.7	0.0	137.8
111.30		0.3125	40.855	40.212	8,350.70	21.29	130.74	76.4	402.6	0.0	41.1
115.00		0.3125	39.537	38.904	7,562.50	20.56	126.52	77.2	376.7	0.0	498.0
116.50		0.3125	39.003	38.374	7,257.70	20.24	124.81	77.6	366.5	0.0	197.2
119.30		0.3125	38.005	37.385	6,710.70	19.68	121.82	78.3	347.8	0.0	360.9
120.00		0.3125	37.756	37.138	6,578.50	19.54	120.82	78.4	343.2	0.0	88.8
125.00		0.3125	35.975	35.371	5,683.70	18.54	115.12	79.6	311.2	0.0	616.8
127.30		0.3125	35.156	34.559	5,300.90	18.07	112.50	80.1	297.0	0.0	273.7
130.00		0.3125	34.906	34.312	5,187.90	17.93	111.70	80.3	292.7	0.0	82.0
130.00		0.3125	34.194	33.605	4,874.00	17.53	109.42	80.8	280.7	0.0	231.1
132.50		0.3125	33.304	32.722	4,499.70	17.03	106.57	81.4	266.1	0.0	282.1
134.50		0.3125	32.591	32.015	4,214.40	16.63	104.29	81.8	254.7	0.0	220.3
135.00		0.3125	32.413	31.839	4,145.10	16.53	103.72	82	251.9	0.0	54.3
136.00		0.3125	32.057	31.485	4,008.60	16.32	102.58	82.2	246.3	0.0	107.7

ASSET: 413118, POUNDRIDGE NY

CODE: ANS/TIA-222-H

CUSTOMER: SPRINT NEXTEL

ENG NO:

SEGMENT PROPERTIES

(Max Len: 5.ft)

Seg Top Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in ²)	Ix (in ⁴)	W/t Ratio	D/t Ratio	Fy (ksi)	S (in ³)	Z (in ³)	Weight (lb)
138.00		0.3125	31.344	30.779	3,744.70	15.92	100.30	82.6	235.3	0.0	211.9
138.92	Top - Section 3	0.3125	31.017	30.454	3,627.40	15.74	99.25	82.6	230.3	0.0	95.8
138.92	Bot - Section 4	0.1875	31.016	18.346	2,202.90	27.40	165.42	69.2	139.9	0.0	
140.00		0.1875	30.631	18.117	2,121.40	27.04	163.36	69.6	136.4	0.0	67.0
141.30		0.1875	30.168	17.841	2,026.00	26.61	160.89	70.1	132.3	0.0	79.5
144.30		0.1875	29.099	17.205	1,817.00	25.60	155.20	71.3	123.0	0.0	178.9
145.00		0.1875	28.850	17.057	1,770.40	25.37	153.87	71.6	120.9	0.0	40.8
150.00		0.1875	27.069	15.997	1,460.50	23.69	144.37	73.5	106.3	0.0	281.2
150.30		0.1875	26.962	15.934	1,443.10	23.59	143.80	73.7	105.4	0.0	16.3
153.00		0.1875	26.000	15.361	1,293.10	22.69	138.67	74.7	98.0	0.0	143.8
Totals:											40,291.1

Load Case: 1.2D + 1.0W Normal	115 mph wind with no ice	21 Iterations
Gust Response Factor: 1.10		
Dead load Factor: 1.20		
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	-71.88	-83.76	0.00	-8,222.8	0.00	8,222.78	7,927.47	2,186.29	15,500.81	12,823.31	0	0	0.652
5.00	-69.01	-83.33	0.00	-7,804.0	0.00	7,803.97	7,828.56	2,136.69	14,805.50	12,374.19	0.06	-0.12	0.641
10.00	-66.02	-82.89	0.00	-7,387.4	0.00	7,387.36	7,725.88	2,087.09	14,126.14	11,928.57	0.25	-0.24	0.630
15.00	-63.08	-82.46	0.00	-6,972.9	0.00	6,972.90	7,619.45	2,037.48	13,462.73	11,480.87	0.57	-0.36	0.617
20.00	-60.21	-82.04	0.00	-6,560.6	0.00	6,560.60	7,509.26	1,987.88	12,815.28	11,037.51	1.01	-0.48	0.604
25.00	-57.39	-81.61	0.00	-6,150.4	0.00	6,150.43	7,395.32	1,938.28	12,183.78	10,596.91	1.58	-0.6	0.590
30.00	-54.63	-81.19	0.00	-5,742.4	0.00	5,742.38	7,277.61	1,888.68	11,568.24	10,159.47	2.29	-0.73	0.575
35.00	-51.93	-80.75	0.00	-5,336.5	0.00	5,336.46	7,156.15	1,839.07	10,968.65	9,725.63	3.12	-0.86	0.558
40.00	-49.34	-80.41	0.00	-4,932.7	0.00	4,932.73	7,030.93	1,789.47	10,385.02	9,295.79	4.09	-0.98	0.540
42.19	-48.22	-80.26	0.00	-4,756.4	0.00	4,756.42	6,974.83	1,767.72	10,134.10	9,108.65	4.55	-1.04	0.531
43.00	-47.26	-79.55	0.00	-4,691.6	0.00	4,691.63	6,953.99	1,759.71	10,042.49	9,039.97	4.73	-1.06	0.528
45.00	-45.53	-79.39	0.00	-4,532.5	0.00	4,532.53	6,901.95	1,739.87	9,817.34	8,870.36	5.19	-1.11	0.520
46.00	-44.21	-79.19	0.00	-4,453.1	0.00	4,453.14	6,875.70	1,729.95	9,705.72	8,785.84	5.42	-1.14	0.515
49.50	-41.22	-80.75	0.00	-4,238.6	0.00	4,238.63	6,782.65	1,695.23	9,320.07	8,491.61	6.29	-1.23	0.507
50.00	-40.79	-80.68	0.00	-4,208.2	0.00	4,208.25	6,769.21	1,690.27	9,265.61	8,449.78	6.42	-1.24	0.505
50.81	-40.10	-80.54	0.00	-4,159.1	0.00	4,159.11	6,687.15	1,494.80	8,281.46	7,182.88	6.63	-1.26	0.588
53.00	-39.07	-80.02	0.00	-4,026.5	0.00	4,026.53	5,642.81	1,475.79	8,072.17	7,036.59	7.23	-1.32	0.581
55.00	-38.20	-79.85	0.00	-3,906.5	0.00	3,906.48	5,601.89	1,458.43	7,883.39	6,901.57	7.79	-1.38	0.575
56.50	-37.46	-79.31	0.00	-3,816.7	0.00	3,816.70	5,570.45	1,445.41	7,743.27	6,801.36	8.24	-1.42	0.570
60.00	-35.99	-79.10	0.00	-3,609.1	0.00	3,609.14	5,496.25	1,415.03	7,421.21	6,568.67	9.32	-1.52	0.558
60.30	-35.77	-78.60	0.00	-3,591.4	0.00	3,591.41	5,489.80	1,412.42	7,393.93	6,548.81	9.41	-1.53	0.557
64.00	-34.19	-78.03	0.00	-3,374.6	0.00	3,374.58	5,409.19	1,380.31	7,061.52	6,304.82	10.65	-1.64	0.543
65.00	-33.72	-77.79	0.00	-3,316.6	0.00	3,316.55	5,387.05	1,371.62	6,973.00	6,239.22	10.99	-1.67	0.540
69.30	-31.95	-77.18	0.00	-3,068.1	0.00	3,068.08	5,290.13	1,334.30	6,598.69	5,958.95	12.56	-1.79	0.523
70.00	-31.63	-77.00	0.00	-3,028.0	0.00	3,028.05	5,274.09	1,328.22	6,538.74	5,913.62	12.82	-1.82	0.520
73.30	-30.27	-76.40	0.00	-2,840.0	0.00	2,839.97	5,197.48	1,299.58	6,259.77	5,701.03	14.11	-1.91	0.506
75.00	-29.58	-76.20	0.00	-2,744.1	0.00	2,744.09	5,157.38	1,284.82	6,118.44	5,592.28	14.8	-1.96	0.498
77.30	-28.62	-75.61	0.00	-2,614.8	0.00	2,614.82	5,102.43	1,264.86	5,929.79	5,446.02	15.77	-2.03	0.488
80.00	-27.58	-75.38	0.00	-2,464.7	0.00	2,464.87	5,036.90	1,241.42	5,712.10	5,275.64	16.94	-2.11	0.475
81.80	-26.83	-74.79	0.00	-2,365.0	0.00	2,364.99	4,992.61	1,225.79	5,569.24	5,162.87	17.75	-2.16	0.465
85.00	-25.64	-74.55	0.00	-2,189.7	0.00	2,189.66	4,912.67	1,198.02	5,319.73	4,964.09	19.23	-2.26	0.448
86.30	-25.13	-74.11	0.00	-2,118.8	0.00	2,118.75	4,879.76	1,186.73	5,219.99	4,863.97	19.85	-2.3	0.441
86.64	-24.96	-73.94	0.00	-2,100.2	0.00	2,100.17	4,871.02	1,183.75	5,193.82	4,862.88	20.02	-2.31	0.439
90.00	-23.10	-73.70	0.00	-1,919.1	0.00	1,919.10	4,784.68	1,154.81	4,941.31	4,658.06	21.67	-2.4	0.419
90.50	-22.77	-73.24	0.00	-1,892.2	0.00	1,892.25	4,771.68	1,150.27	4,904.23	4,627.78	21.92	-2.42	0.416
92.00	-20.84	-71.61	0.00	-1,812.4	0.00	1,812.39	4,732.44	1,137.25	4,793.85	4,537.29	22.69	-2.46	0.406
93.00	-19.61	-70.63	0.00	-1,760.8	0.00	1,760.78	4,706.09	1,128.57	4,720.96	4,477.27	23.21	-2.49	0.399
93.36	-19.42	-70.58	0.00	-1,742.6	0.00	1,742.58	3,021.46	816.95	3,463.01	2,921.23	23.4	-2.5	0.607
94.00	-19.23	-70.45	0.00	-1,710.0	0.00	1,709.95	3,013.09	812.98	3,429.42	2,898.87	23.73	-2.52	0.600
94.80	-18.98	-70.03	0.00	-1,669.6	0.00	1,669.59	3,002.54	808.02	3,387.70	2,870.98	24.16	-2.55	0.592
95.00	-18.86	-69.81	0.00	-1,659.6	0.00	1,659.59	2,999.89	808.78	3,377.31	2,864.02	24.27	-2.55	0.590
100.00	-17.41	-69.30	0.00	-1,410.5	0.00	1,410.52	2,931.63	775.78	3,122.77	2,690.59	27.04	-2.73	0.534
102.80	-16.67	-68.69	0.00	-1,283.7	0.00	1,283.68	2,891.77	758.42	2,984.58	2,594.19	28.67	-2.82	0.504
105.00	-16.11	-68.45	0.00	-1,185.4	0.00	1,185.36	2,859.62	744.78	2,878.20	2,518.89	29.99	-2.9	0.480
108.00	-15.25	-68.99	0.00	-1,052.0	0.00	1,052.01	2,814.61	726.17	2,738.24	2,416.87	31.84	-3	0.444
110.00	-14.78	-68.84	0.00	-972.0	0.00	972.03	2,783.85	713.77	2,643.60	2,349.33	33.11	-3.06	0.422
111.00	-12.14	-67.13	0.00	-932.2	0.00	932.18	2,768.25	707.57	2,597.88	2,315.72	33.76	-3.09	0.410
111.30	-12.01	-66.58	0.00	-921.0	0.00	921.04	2,763.54	705.71	2,584.24	2,305.65	33.95	-3.1	0.407
115.00	-11.27	-66.33	0.00	-785.7	0.00	785.69	2,704.33	682.77	2,418.97	2,182.35	36.4	-3.21	0.367
116.50	-10.85	-61.83	0.00	-731.2	0.00	731.19	2,679.74	673.47	2,353.53	2,132.81	37.41	-3.25	0.349
119.30	-10.28	-61.27	0.00	-642.1	0.00	642.07	2,632.93	656.11	2,233.77	2,041.10	39.34	-3.33	0.321
120.00	-10.12	-61.04	0.00	-620.2	0.00	620.17	2,621.04	651.77	2,204.32	2,018.34	39.83	-3.35	0.313
125.00	-9.12	-26.31	0.00	-465.0	0.00	464.96	2,534.00	620.77	1,999.63	1,857.73	43.4	-3.46	0.256
127.30	-8.64	-25.38	0.00	-404.4	0.00	404.45	2,492.69	606.51	1,908.83	1,785.10	45.08	-3.51	0.232
128.00	-8.14	-22.30	0.00	-386.7	0.00	386.69	2,479.97	602.17	1,881.61	1,763.17	45.6	-3.53	0.223
130.00	-5.81	-22.11	0.00	-342.1	0.00	342.09	2,443.20	589.77	1,804.92	1,700.93	47.09	-3.57	0.205
132.50	-5.33	-17.44	0.00	-286.8	0.00	286.81	2,396.39	574.27	1,711.30	1,624.09	48.97	-3.61	0.180
134.50	-4.99	-16.93	0.00	-251.9	0.00	251.92	2,358.26	561.87	1,638.21	1,563.42	50.49	-3.65	0.164
135.00	-4.91	-16.87	0.00	-243.4	0.00	243.45	2,348.64	558.77	1,620.18	1,548.36	50.87	-3.66	0.160
136.00	-4.06	-16.19	0.00	-226.6	0.00	226.58	2,329.27	552.57	1,584.43	1,518.40	51.64	-3.67	0.152
138.00	-2.46	-13.54	0.00	-194.2	0.00	194.19	2,286.70	540.17	1,514.12	1,456.87	53.18	-3.7	0.135
138.92	-2.33	-13.46	0.00	-181.8	0.00	181.75	2,262.57	534.47	1,482.34	1,426.13	53.89	-3.71	0.129
138.92	-2.33	-13.46	0.00	-181.8	0.00	181.75	1,142.07	321.97	896.48	725.71	53.89	-3.71	0.254
140.00	-1.73	-12.86	0.00	-167.2	0.00	167.20	1,134.75	317.95	874.23	712.00	54.74	-3.73	0.238
141.30	-1.59	-12.30	0.00	-150.5	0.00	150.48	1,125.71	313.12	847.84	695.52	55.76	-3.76	0.219

ASSET: 413118, POUNDRIDGE NY

CODE: ANSI/TIA-222-H

CUSTOMER: SPRINT NEXTEL

ENG NO:

144.30	-1.30	-11.75	0.00	-113.6	0.00	113.58	1,103.89	301.95	788.48	657.57	58.14	-3.81	0.175
145.00	-1.01	-9.77	0.00	-105.3	0.00	105.32	1,098.60	299.35	774.94	648.74	58.69	-3.83	0.164
150.00	-0.38	-9.08	0.00	-56.4	0.00	56.45	1,058.70	280.75	681.64	586.08	62.74	-3.89	0.098
150.30	-0.33	-8.55	0.00	-53.7	0.00	53.74	1,056.19	279.63	676.23	582.35	62.98	-3.89	0.094
153.00	0.00	-8.51	0.00	-30.6	0.00	30.65	1,032.96	269.59	628.53	548.94	65.19	-3.92	0.057

Load Case: 0.9D + 1.0W Normal	115 mph wind with no ice	21 Iterations
Gust Response Factor: 1.10		
Dead load Factor: 0.90		
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	-53.89	-83.74	0.00	-8,195.0	0.00	8,194.96	7,927.47	2,186.29	15,500.81	12,823.31	0	0	0.647
5.00	-51.69	-83.27	0.00	-7,776.2	0.00	7,776.25	7,828.56	2,136.69	14,805.50	12,374.19	0.06	-0.12	0.637
10.00	-49.40	-82.80	0.00	-7,359.9	0.00	7,359.90	7,725.88	2,087.09	14,126.14	11,926.57	0.25	-0.24	0.625
15.00	-47.16	-82.34	0.00	-6,945.9	0.00	6,945.89	7,619.45	2,037.48	13,462.73	11,480.87	0.57	-0.36	0.613
20.00	-44.96	-81.89	0.00	-6,534.2	0.00	6,534.18	7,509.26	1,987.88	12,815.28	11,037.51	1.01	-0.48	0.600
25.00	-42.81	-81.44	0.00	-6,124.7	0.00	6,124.74	7,395.32	1,938.28	12,183.78	10,596.91	1.58	-0.6	0.586
30.00	-40.70	-80.99	0.00	-5,717.6	0.00	5,717.55	7,277.61	1,888.68	11,568.24	10,159.47	2.28	-0.73	0.570
35.00	-38.63	-80.53	0.00	-5,312.6	0.00	5,312.61	7,156.15	1,839.07	10,968.65	9,725.63	3.11	-0.85	0.554
40.00	-36.66	-80.18	0.00	-4,910.0	0.00	4,909.96	7,030.93	1,789.47	10,385.02	9,295.79	4.07	-0.98	0.535
42.19	-35.81	-80.03	0.00	-4,734.2	0.00	4,734.15	6,974.83	1,767.72	10,134.10	9,108.65	4.53	-1.03	0.527
43.00	-35.08	-79.32	0.00	-4,669.5	0.00	4,669.54	6,953.99	1,759.71	10,042.49	9,039.97	4.71	-1.06	0.524
45.00	-33.77	-79.16	0.00	-4,510.9	0.00	4,510.91	6,901.95	1,739.87	9,817.34	8,870.36	5.17	-1.11	0.515
46.00	-32.85	-81.05	0.00	-4,431.8	0.00	4,431.75	6,875.70	1,729.95	9,705.72	8,785.84	5.4	-1.13	0.510
49.50	-30.60	-80.52	0.00	-4,218.0	0.00	4,218.08	6,782.65	1,695.23	9,320.07	8,491.61	6.27	-1.22	0.503
50.00	-30.27	-80.45	0.00	-4,187.8	0.00	4,187.82	6,769.21	1,690.27	9,265.61	8,449.78	6.4	-1.24	0.501
50.81	-29.74	-80.30	0.00	-4,138.9	0.00	4,138.86	6,687.15	1,694.80	8,281.46	7,182.88	6.61	-1.26	0.583
53.00	-28.96	-79.78	0.00	-4,006.8	0.00	4,006.80	6,564.81	1,475.79	8,072.17	7,035.59	7.2	-1.32	0.576
55.00	-28.29	-79.61	0.00	-3,887.2	0.00	3,887.24	6,601.69	1,458.43	7,883.39	6,901.57	7.76	-1.37	0.570
56.50	-27.73	-79.05	0.00	-3,797.8	0.00	3,797.83	6,570.45	1,445.41	7,743.27	6,801.36	8.2	-1.42	0.565
60.00	-26.61	-78.85	0.00	-3,591.2	0.00	3,591.15	6,496.25	1,415.03	7,421.21	6,568.67	9.28	-1.52	0.553
60.30	-26.43	-78.34	0.00	-3,573.5	0.00	3,573.50	6,489.80	1,412.42	7,393.93	6,548.81	9.38	-1.53	0.552
64.00	-25.23	-77.77	0.00	-3,357.6	0.00	3,357.64	6,409.19	1,380.31	7,061.52	6,304.82	10.6	-1.63	0.539
65.00	-24.87	-77.51	0.00	-3,299.9	0.00	3,299.87	6,387.05	1,371.62	6,973.00	6,239.22	10.95	-1.66	0.535
69.30	-23.52	-76.91	0.00	-3,052.6	0.00	3,052.57	6,290.13	1,334.30	6,598.69	5,958.95	12.6	-1.79	0.519
70.00	-23.27	-76.72	0.00	-3,012.7	0.00	3,012.73	6,274.09	1,328.22	6,536.74	5,913.62	12.77	-1.81	0.516
73.30	-22.24	-76.12	0.00	-2,825.6	0.00	2,825.55	6,197.48	1,299.58	6,259.77	5,701.03	14.05	-1.9	0.502
75.00	-21.71	-75.92	0.00	-2,730.1	0.00	2,730.14	6,157.38	1,284.82	6,118.44	5,592.28	14.74	-1.95	0.494
77.30	-20.98	-75.33	0.00	-2,601.5	0.00	2,601.52	6,102.43	1,264.86	5,929.79	5,446.02	15.7	-2.02	0.484
80.00	-20.19	-75.10	0.00	-2,452.1	0.00	2,452.13	6,036.90	1,241.42	5,712.10	5,275.64	16.87	-2.1	0.471
81.80	-19.61	-74.51	0.00	-2,353.0	0.00	2,352.95	5,992.61	1,225.79	5,569.24	5,162.87	17.67	-2.15	0.462
85.00	-18.71	-74.27	0.00	-2,178.5	0.00	2,178.52	5,912.67	1,198.02	5,319.73	4,964.09	19.15	-2.25	0.445
86.30	-18.32	-73.83	0.00	-2,108.0	0.00	2,107.97	5,879.76	1,186.73	5,219.99	4,883.97	19.77	-2.29	0.437
86.64	-18.19	-73.66	0.00	-2,089.5	0.00	2,089.49	5,871.02	1,183.75	5,193.82	4,862.88	19.93	-2.3	0.435
90.00	-16.78	-73.43	0.00	-1,909.4	0.00	1,909.37	5,784.68	1,154.61	4,941.31	4,658.06	21.58	-2.39	0.416
90.50	-16.53	-72.97	0.00	-1,882.7	0.00	1,882.66	5,771.68	1,150.27	4,904.23	4,627.78	21.83	-2.4	0.412
92.00	-15.09	-71.36	0.00	-1,803.2	0.00	1,803.20	5,732.44	1,137.25	4,793.85	4,537.29	22.59	-2.45	0.403
93.00	-14.18	-70.39	0.00	-1,751.8	0.00	1,751.84	5,706.09	1,128.57	4,720.96	4,477.27	23.11	-2.48	0.396
93.36	-14.03	-70.34	0.00	-1,733.7	0.00	1,733.73	5,702.46	1,126.95	4,720.96	4,477.27	23.11	-2.48	0.396
94.00	-13.88	-70.21	0.00	-1,701.2	0.00	1,701.25	5,673.09	1,112.98	4,632.42	4,392.87	23.63	-2.5	0.396
94.80	-13.69	-69.80	0.00	-1,661.1	0.00	1,661.08	5,640.54	1,103.82	4,553.70	4,317.98	24.06	-2.53	0.387
95.00	-13.59	-69.57	0.00	-1,651.1	0.00	1,651.12	5,633.89	1,103.78	4,547.31	4,311.62	24.16	-2.54	0.385
100.00	-12.53	-65.06	0.00	-1,403.3	0.00	1,403.29	5,433.63	1,075.78	4,322.77	4,096.59	26.92	-2.72	0.359
102.80	-11.96	-64.45	0.00	-1,277.1	0.00	1,277.12	5,289.77	1,058.42	4,178.58	3,984.19	28.54	-2.81	0.340
105.00	-11.53	-64.21	0.00	-1,179.3	0.00	1,179.33	5,259.62	1,047.78	4,126.20	3,938.89	29.86	-2.89	0.326
108.00	-10.93	-63.76	0.00	-1,046.7	0.00	1,046.69	5,141.61	1,026.17	4,016.24	3,826.87	31.7	-2.98	0.311
110.00	-10.57	-63.62	0.00	-967.2	0.00	967.18	5,113.85	1,017.77	3,963.60	3,784.33	32.97	-3.05	0.300
111.00	-8.62	-63.94	0.00	-927.6	0.00	927.56	5,113.25	1,017.57	3,963.60	3,784.33	33.61	-3.08	0.296
111.30	-8.52	-63.39	0.00	-916.5	0.00	916.48	5,113.25	1,017.57	3,963.60	3,784.33	33.8	-3.09	0.296
115.00	-7.96	-63.14	0.00	-811.8	0.00	811.85	5,043.33	1,017.77	3,963.60	3,784.33	36.24	-3.19	0.284
116.50	-7.70	-61.65	0.00	-727.6	0.00	727.64	5,043.33	1,017.77	3,963.60	3,784.33	37.25	-3.24	0.276
119.30	-7.27	-61.10	0.00	-639.0	0.00	639.02	5,043.33	1,017.77	3,963.60	3,784.33	39.17	-3.31	0.263
120.00	-7.15	-60.86	0.00	-617.3	0.00	617.26	5,043.33	1,017.77	3,963.60	3,784.33	39.66	-3.33	0.261
125.00	-6.45	-56.14	0.00	-462.9	0.00	462.94	5,043.33	1,017.77	3,963.60	3,784.33	43.21	-3.45	0.254
127.30	-6.11	-52.22	0.00	-402.8	0.00	402.81	5,043.33	1,017.77	3,963.60	3,784.33	44.88	-3.5	0.230
128.00	-4.27	-22.18	0.00	-385.2	0.00	385.16	5,043.33	1,017.77	3,963.60	3,784.33	45.39	-3.51	0.222
130.00	-4.02	-22.00	0.00	-340.8	0.00	340.79	5,043.33	1,017.77	3,963.60	3,784.33	46.87	-3.55	0.203
132.50	-3.73	-17.34	0.00	-285.8	0.00	285.80	5,043.33	1,017.77	3,963.60	3,784.33	48.75	-3.6	0.178
134.50	-3.48	-16.83	0.00	-251.1	0.00	251.12	5,043.33	1,017.77	3,963.60	3,784.33	50.26	-3.63	0.163
135.00	-3.42	-16.78	0.00	-242.7	0.00	242.70	5,043.33	1,017.77	3,963.60	3,784.33	50.64	-3.64	0.159
136.00	-2.79	-16.11	0.00	-225.9	0.00	225.92	5,043.33	1,017.77	3,963.60	3,784.33	51.4	-3.65	0.151
138.00	-1.63	-13.49	0.00	-193.7	0.00	193.70	5,043.33	1,017.77	3,963.60	3,784.33	52.94	-3.68	0.134
138.92	-1.54	-13.41	0.00	-181.3	0.00	181.30	5,043.33	1,017.77	3,963.60	3,784.33	53.65	-3.7	0.128

ASSET: 413118, POUNDRIDGE NY

CODE: ANSI/TIA-222-H

CUSTOMER: SPRINT NEXTEL

ENG NO:

138.92	-1.54	-13.41	0.00	-181.3	0.00	181.30	1,142.07	321.97	896.48	725.71	53.65	-3.7	0.253
140.00	-1.10	-12.82	0.00	-166.8	0.00	166.81	1,134.75	317.95	874.23	712.00	54.49	-3.71	0.237
141.30	-0.99	-12.26	0.00	-150.2	0.00	150.15	1,125.71	313.12	847.84	695.52	55.5	-3.74	0.218
144.30	-0.79	-11.71	0.00	-113.4	0.00	113.37	1,103.89	301.95	788.48	657.57	57.87	-3.8	0.175
145.00	-0.60	-9.75	0.00	-105.1	0.00	105.13	1,098.60	299.35	774.94	648.74	58.43	-3.81	0.164
150.00	-0.13	-9.04	0.00	-56.4	0.00	56.41	1,058.70	280.75	681.64	586.08	62.45	-3.87	0.097
150.30	-0.10	-8.54	0.00	-53.7	0.00	53.69	1,056.19	279.63	676.23	582.35	62.7	-3.88	0.093
153.00	0.00	-8.51	0.00	-30.6	0.00	30.65	1,032.96	269.59	628.53	548.94	64.9	-3.9	0.057

Load Case: 1.2D + 1.0Di + 1.0Wi Normal	50 mph wind with 1" radial ice		20 Iterations
Gust Response Factor: 1.10	Ice Dead Load 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	-91.47	-23.59	0.00	-2,337.6	0.00	2,337.60	7,927.47	2,186.29	15,500.81	12,823.31	0	0	0.194
5.00	-88.38	-23.46	0.00	-2,219.6	0.00	2,219.63	7,828.56	2,136.69	14,805.50	12,374.19	0.02	-0.03	0.191
10.00	-85.14	-23.33	0.00	-2,102.3	0.00	2,102.32	7,725.88	2,087.09	14,126.14	11,926.57	0.07	-0.07	0.187
15.00	-81.94	-23.20	0.00	-1,985.7	0.00	1,985.66	7,619.45	2,037.48	13,462.73	11,480.87	0.16	-0.1	0.184
20.00	-78.79	-23.07	0.00	-1,869.7	0.00	1,869.66	7,509.26	1,987.88	12,815.28	11,037.51	0.29	-0.14	0.180
25.00	-75.71	-22.94	0.00	-1,754.3	0.00	1,754.30	7,395.32	1,938.28	12,183.78	10,596.91	0.45	-0.17	0.176
30.00	-72.68	-22.81	0.00	-1,639.6	0.00	1,639.58	7,277.61	1,888.68	11,568.24	10,159.47	0.65	-0.21	0.172
35.00	-69.71	-22.68	0.00	-1,525.5	0.00	1,525.51	7,156.15	1,839.07	10,968.65	9,725.63	0.89	-0.24	0.167
40.00	-66.82	-22.56	0.00	-1,412.1	0.00	1,412.11	7,030.93	1,789.47	10,385.02	9,295.79	1.16	-0.28	0.162
42.19	-65.56	-22.53	0.00	-1,362.6	0.00	1,362.61	6,974.83	1,767.72	10,134.10	9,108.65	1.3	-0.3	0.159
43.00	-64.51	-22.34	0.00	-1,344.4	0.00	1,344.42	6,953.99	1,759.71	10,042.49	9,039.97	1.35	-0.3	0.158
45.00	-62.65	-22.29	0.00	-1,299.7	0.00	1,299.74	6,901.95	1,739.87	9,817.34	8,870.36	1.48	-0.32	0.156
46.00	-60.77	-17.44	0.00	-1,277.4	0.00	1,277.45	6,875.70	1,729.95	9,705.72	8,785.84	1.54	-0.32	0.154
49.50	-57.52	-17.29	0.00	-1,216.4	0.00	1,216.41	6,782.65	1,695.23	9,320.07	8,491.61	1.79	-0.35	0.152
50.00	-57.07	-17.27	0.00	-1,207.8	0.00	1,207.76	6,769.21	1,690.27	9,265.61	8,449.78	1.83	-0.35	0.151
50.81	-56.34	-17.22	0.00	-1,193.8	0.00	1,193.78	6,687.15	1,494.80	8,281.46	7,182.88	1.89	-0.36	0.176
53.00	-55.17	-17.08	0.00	-1,156.0	0.00	1,156.05	5,642.81	1,475.79	8,072.17	7,035.59	2.06	-0.38	0.174
55.00	-54.18	-17.03	0.00	-1,121.9	0.00	1,121.90	5,601.69	1,458.43	7,883.39	6,901.57	2.22	-0.39	0.172
56.50	-53.36	-16.87	0.00	-1,096.4	0.00	1,096.36	5,570.45	1,445.41	7,743.27	6,801.36	2.35	-0.41	0.171
60.00	-51.66	-16.81	0.00	-1,037.3	0.00	1,037.32	5,496.25	1,415.03	7,421.21	6,568.67	2.66	-0.44	0.167
60.30	-51.44	-16.87	0.00	-1,032.3	0.00	1,032.27	5,489.80	1,412.42	7,393.93	6,548.81	2.68	-0.44	0.167
64.00	-49.60	-16.50	0.00	-970.6	0.00	970.61	5,409.19	1,380.31	7,061.52	6,304.82	3.04	-0.47	0.163
65.00	-49.12	-16.43	0.00	-954.1	0.00	954.11	5,387.05	1,371.62	6,973.00	6,239.22	3.14	-0.48	0.162
69.30	-47.05	-16.25	0.00	-883.5	0.00	883.48	5,290.13	1,334.30	6,598.69	5,958.95	3.58	-0.51	0.157
70.00	-46.73	-16.20	0.00	-872.1	0.00	872.10	5,274.09	1,328.22	6,538.74	5,913.62	3.66	-0.52	0.156
73.30	-45.16	-16.02	0.00	-818.7	0.00	818.66	5,197.48	1,299.58	6,259.77	5,701.03	4.03	-0.55	0.152
75.00	-44.39	-15.96	0.00	-791.4	0.00	791.42	5,157.38	1,284.82	6,118.44	5,592.28	4.23	-0.56	0.150
77.30	-43.30	-15.79	0.00	-754.7	0.00	754.71	5,102.43	1,264.86	5,929.79	5,446.02	4.5	-0.58	0.147
80.00	-42.12	-15.72	0.00	-712.1	0.00	712.07	5,036.90	1,241.42	5,712.10	5,275.64	4.84	-0.6	0.143
81.80	-41.26	-15.55	0.00	-683.8	0.00	683.77	4,992.61	1,225.79	5,569.24	5,162.87	5.07	-0.62	0.141
85.00	-39.90	-15.48	0.00	-634.0	0.00	634.01	4,912.67	1,198.02	5,319.73	4,964.09	5.49	-0.65	0.136
86.30	-39.28	-15.35	0.00	-613.9	0.00	613.89	4,879.76	1,186.73	5,219.99	4,883.97	5.67	-0.66	0.134
86.64	-39.13	-15.30	0.00	-608.6	0.00	608.62	4,871.02	1,183.75	5,193.82	4,862.88	5.72	-0.66	0.133
90.00	-37.08	-15.22	0.00	-557.3	0.00	557.26	4,784.68	1,154.61	4,941.31	4,658.06	6.19	-0.69	0.128
90.50	-36.70	-15.10	0.00	-549.6	0.00	549.65	4,771.68	1,150.27	4,904.23	4,627.78	6.27	-0.69	0.127
92.00	-33.74	-14.69	0.00	-527.0	0.00	527.00	4,732.44	1,137.25	4,793.85	4,537.29	6.49	-0.71	0.123
93.00	-32.12	-14.42	0.00	-512.3	0.00	512.31	4,706.09	1,128.57	4,720.96	4,477.27	6.64	-0.71	0.121
93.36	-31.91	-14.41	0.00	-507.1	0.00	507.13	3,021.46	816.95	3,463.01	2,921.23	6.69	-0.72	0.184
94.00	-31.66	-14.37	0.00	-497.8	0.00	497.82	3,013.09	812.98	3,429.42	2,898.87	6.79	-0.72	0.183
94.80	-31.34	-14.25	0.00	-486.3	0.00	486.32	3,002.54	808.02	3,387.70	2,870.98	6.91	-0.73	0.180
95.00	-31.27	-14.18	0.00	-483.5	0.00	483.47	2,999.89	806.78	3,377.31	2,864.02	6.94	-0.73	0.180
100.00	-29.31	-12.93	0.00	-412.6	0.00	412.56	2,931.63	775.78	3,122.77	2,690.59	7.73	-0.78	0.164
102.80	-28.40	-12.75	0.00	-376.4	0.00	376.35	2,891.77	758.42	2,984.58	2,594.19	8.2	-0.81	0.155
105.00	-27.76	-12.68	0.00	-348.3	0.00	348.29	2,859.62	744.78	2,878.20	2,518.89	8.58	-0.83	0.148
108.00	-26.45	-11.44	0.00	-310.2	0.00	310.25	2,814.61	726.17	2,736.24	2,416.87	9.12	-0.86	0.138
110.00	-25.89	-11.40	0.00	-287.4	0.00	287.36	2,783.85	713.77	2,643.60	2,349.33	9.48	-0.88	0.132
111.00	-21.55	-10.68	0.00	-276.0	0.00	275.96	2,768.25	707.57	2,597.88	2,315.72	9.67	-0.89	0.127
111.30	-21.39	-10.52	0.00	-272.8	0.00	272.76	2,763.54	705.71	2,584.24	2,305.65	9.73	-0.89	0.126
115.00	-20.47	-10.44	0.00	-233.8	0.00	233.83	2,704.33	682.77	2,418.97	2,182.35	10.43	-0.93	0.115
116.50	-19.65	-9.19	0.00	-218.2	0.00	218.17	2,679.74	673.47	2,353.53	2,132.81	10.72	-0.94	0.110
119.30	-18.90	-9.03	0.00	-192.4	0.00	192.43	2,632.93	656.11	2,233.77	2,041.10	11.28	-0.96	0.102
120.00	-18.73	-8.96	0.00	-186.1	0.00	186.11	2,621.04	651.77	2,204.32	2,018.34	11.42	-0.97	0.100
125.00	-17.13	-7.63	0.00	-141.3	0.00	141.33	2,534.00	620.77	1,999.63	1,857.73	12.46	-1	0.083
127.30	-16.46	-7.37	0.00	-123.8	0.00	123.78	2,492.69	606.51	1,908.83	1,785.10	12.94	-1.02	0.076
128.00	-12.19	-6.60	0.00	-118.6	0.00	118.63	2,479.97	602.17	1,881.61	1,763.17	13.09	-1.02	0.072
130.00	-11.77	-6.54	0.00	-105.4	0.00	105.42	2,443.20	589.77	1,804.92	1,700.93	13.52	-1.03	0.067
132.50	-10.80	-5.24	0.00	-89.1	0.00	89.08	2,396.39	574.27	1,711.30	1,624.09	14.07	-1.05	0.059
134.50	-10.32	-5.09	0.00	-78.6	0.00	78.61	2,358.26	561.87	1,638.21	1,563.42	14.51	-1.06	0.055
135.00	-10.22	-5.07	0.00	-76.1	0.00	76.06	2,348.64	558.77	1,620.18	1,548.36	14.62	-1.06	0.054
136.00	-8.83	-4.88	0.00	-71.0	0.00	70.99	2,329.27	552.57	1,584.43	1,518.40	14.84	-1.07	0.051
138.00	-5.70	-4.21	0.00	-61.2	0.00	61.23	2,286.70	540.17	1,514.12	1,456.87	15.29	-1.08	0.045
138.92	-5.53	-4.18	0.00	-57.4	0.00	57.36	2,262.57	534.47	1,482.34	1,426.13	15.5	-1.08	0.043

ASSET: 413118, POUNDRIDGE NY

CODE: ANS/TIA-222-H

CUSTOMER: SPRINT NEXTEL

ENG NO:

138.92	-5.53	-4.18	0.00	-57.4	0.00	57.36	1,142.07	321.97	896.48	725.71	15.5	-1.08	0.084
140.00	-4.73	-4.02	0.00	-52.8	0.00	52.85	1,134.75	317.95	874.23	712.00	15.74	-1.08	0.079
141.30	-4.49	-3.86	0.00	-47.6	0.00	47.62	1,125.71	313.12	847.84	695.52	16.04	-1.09	0.073
144.30	-4.03	-3.70	0.00	-36.0	0.00	36.04	1,103.89	301.95	788.48	657.57	16.73	-1.11	0.059
145.00	-2.91	-2.98	0.00	-33.4	0.00	33.44	1,098.60	299.35	774.94	648.74	16.9	-1.11	0.054
150.00	-1.93	-2.77	0.00	-18.5	0.00	18.54	1,058.70	280.75	681.64	586.08	18.08	-1.14	0.034
150.30	-1.82	-2.62	0.00	-17.7	0.00	17.71	1,056.19	279.63	676.23	582.35	18.15	-1.14	0.032
153.00	0.00	-2.59	0.00	-10.6	0.00	10.62	1,032.96	269.59	628.53	548.94	18.79	-1.14	0.019

ASSET: 413118, POUNDRIDGE NY
 CUSTOMER: SPRINT NEXTEL

CODE: ANSI/TIA-222-H
 ENG NO:

Load Case: 1.0D + 1.0W Service Normal	60 mph Wind with No Ice	20 Iterations
Gust Response Factor:	1.10	
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	-59.97	-20.40	0.00	-1,999.0	0.00	1,999.05	7,927.47	2,186.29	15,500.81	12,823.31	0	0	0.164
5.00	-57.71	-20.28	0.00	-1,897.1	0.00	1,897.07	7,828.56	2,136.89	14,805.50	12,374.19	0.02	-0.03	0.161
10.00	-55.35	-20.17	0.00	-1,795.6	0.00	1,795.65	7,725.88	2,087.09	14,126.14	11,926.57	0.06	-0.06	0.158
15.00	-53.04	-20.06	0.00	-1,694.8	0.00	1,694.78	7,619.45	2,037.48	13,462.73	11,480.87	0.14	-0.09	0.155
20.00	-50.78	-19.96	0.00	-1,594.5	0.00	1,594.46	7,509.26	1,987.88	12,815.28	11,037.51	0.25	-0.12	0.151
25.00	-48.58	-19.85	0.00	-1,494.7	0.00	1,494.68	7,395.32	1,938.28	12,183.78	10,596.91	0.38	-0.15	0.148
30.00	-46.40	-19.74	0.00	-1,395.4	0.00	1,395.43	7,277.61	1,888.68	11,568.24	10,159.47	0.56	-0.18	0.144
35.00	-44.28	-19.63	0.00	-1,296.7	0.00	1,296.72	7,156.15	1,839.07	10,968.65	9,725.63	0.76	-0.21	0.140
40.00	-42.21	-19.55	0.00	-1,198.6	0.00	1,198.56	7,030.93	1,789.47	10,385.02	9,295.79	0.99	-0.24	0.135
42.19	-41.32	-19.51	0.00	-1,155.7	0.00	1,155.70	6,974.83	1,767.72	10,134.10	9,108.65	1.11	-0.25	0.133
43.00	-40.55	-19.34	0.00	-1,139.9	0.00	1,139.94	6,953.99	1,759.71	10,042.49	9,039.97	1.15	-0.26	0.132
45.00	-39.14	-19.30	0.00	-1,101.3	0.00	1,101.26	6,901.95	1,739.87	9,817.34	8,870.36	1.26	-0.27	0.130
46.00	-37.82	-14.89	0.00	-1,082.0	0.00	1,081.96	6,875.70	1,729.95	9,705.72	8,785.84	1.32	-0.28	0.129
49.50	-35.36	-14.76	0.00	-1,029.8	0.00	1,029.85	6,782.65	1,695.23	9,320.07	8,491.61	1.53	-0.3	0.127
50.00	-35.02	-14.74	0.00	-1,022.5	0.00	1,022.47	6,769.21	1,690.27	9,265.61	8,449.78	1.56	-0.3	0.126
50.81	-34.47	-14.71	0.00	-1,010.5	0.00	1,010.53	6,687.15	1,494.80	8,281.46	7,182.88	1.61	-0.31	0.147
53.00	-33.65	-14.58	0.00	-978.3	0.00	978.31	5,642.81	1,475.79	8,072.17	7,035.59	1.76	-0.32	0.145
55.00	-32.96	-14.54	0.00	-949.2	0.00	949.15	5,601.69	1,458.43	7,883.39	6,901.57	1.89	-0.34	0.144
56.50	-32.39	-14.41	0.00	-927.3	0.00	927.34	5,570.45	1,445.41	7,743.27	6,801.36	2	-0.35	0.142
60.00	-31.21	-14.36	0.00	-876.9	0.00	876.91	5,496.25	1,415.03	7,421.21	6,568.67	2.26	-0.37	0.139
60.30	-31.05	-14.23	0.00	-872.6	0.00	872.61	5,489.80	1,412.42	7,393.93	6,548.81	2.29	-0.37	0.139
64.00	-29.78	-14.10	0.00	-819.9	0.00	819.94	5,409.19	1,380.31	7,081.52	6,304.82	2.59	-0.4	0.136
65.00	-29.45	-14.04	0.00	-805.8	0.00	805.84	5,387.05	1,371.62	6,973.00	6,239.22	2.67	-0.41	0.135
69.30	-28.01	-13.89	0.00	-745.5	0.00	745.49	5,290.13	1,334.30	6,598.69	5,958.95	3.05	-0.44	0.131
70.00	-27.78	-13.84	0.00	-735.8	0.00	735.77	5,274.09	1,328.22	6,538.74	5,913.62	3.12	-0.44	0.130
73.30	-26.69	-13.70	0.00	-690.1	0.00	690.09	5,197.48	1,299.58	6,259.77	5,701.03	3.43	-0.46	0.126
75.00	-26.16	-13.65	0.00	-666.8	0.00	666.80	5,157.38	1,284.82	6,118.44	5,592.28	3.6	-0.48	0.124
77.30	-25.40	-13.51	0.00	-635.4	0.00	635.41	5,102.43	1,264.86	5,929.79	5,446.02	3.83	-0.49	0.122
80.00	-24.57	-13.45	0.00	-598.9	0.00	598.94	5,036.90	1,241.42	5,712.10	5,275.64	4.12	-0.51	0.119
81.80	-23.98	-13.31	0.00	-574.7	0.00	574.73	4,992.61	1,225.79	5,569.24	5,162.87	4.31	-0.53	0.116
85.00	-23.03	-13.25	0.00	-532.2	0.00	532.15	4,912.67	1,198.02	5,319.73	4,964.09	4.67	-0.55	0.112
86.30	-22.61	-13.14	0.00	-514.9	0.00	514.92	4,879.76	1,186.73	5,219.99	4,883.97	4.82	-0.56	0.110
86.64	-22.50	-13.10	0.00	-510.4	0.00	510.41	4,871.02	1,183.75	5,193.82	4,862.88	4.86	-0.56	0.110
90.00	-20.99	-13.04	0.00	-466.4	0.00	466.43	4,784.68	1,154.61	4,941.31	4,658.06	5.27	-0.58	0.105
90.50	-20.71	-12.93	0.00	-459.9	0.00	459.91	4,771.68	1,150.27	4,904.23	4,627.78	5.33	-0.59	0.104
92.00	-19.08	-12.54	0.00	-440.5	0.00	440.51	4,732.44	1,137.25	4,793.85	4,537.29	5.52	-0.6	0.101
93.00	-18.03	-12.30	0.00	-428.0	0.00	427.97	4,706.09	1,128.57	4,720.96	4,477.27	5.64	-0.6	0.100
93.36	-17.88	-12.29	0.00	-423.6	0.00	423.55	3,021.46	816.95	3,463.01	2,921.23	5.69	-0.61	0.151
94.00	-17.74	-12.26	0.00	-415.6	0.00	415.62	3,013.09	812.98	3,429.42	2,898.87	5.77	-0.61	0.149
94.80	-17.52	-12.16	0.00	-405.8	0.00	405.81	3,002.54	808.02	3,387.70	2,870.98	5.87	-0.62	0.147
95.00	-17.48	-12.10	0.00	-403.4	0.00	403.38	2,999.89	806.78	3,377.31	2,864.02	5.9	-0.62	0.147
100.00	-16.20	-11.01	0.00	-342.9	0.00	342.86	2,931.63	775.78	3,122.77	2,690.59	6.57	-0.66	0.133
102.80	-15.60	-10.86	0.00	-312.0	0.00	312.05	2,891.77	758.42	2,984.58	2,594.19	6.97	-0.69	0.126
105.00	-15.18	-10.80	0.00	-288.2	0.00	288.16	2,859.62	744.78	2,878.20	2,518.89	7.29	-0.7	0.120
108.00	-14.33	-9.71	0.00	-255.8	0.00	255.76	2,814.61	726.17	2,736.24	2,416.87	7.74	-0.73	0.111
110.00	-13.96	-9.68	0.00	-236.3	0.00	236.33	2,783.85	713.77	2,643.60	2,349.33	8.05	-0.74	0.106
111.00	-11.65	-9.02	0.00	-226.6	0.00	226.65	2,768.25	707.57	2,597.88	2,315.72	8.21	-0.75	0.102
111.30	-11.55	-8.89	0.00	-223.9	0.00	223.94	2,763.54	705.71	2,584.24	2,305.65	8.25	-0.75	0.101
115.00	-10.96	-8.83	0.00	-191.0	0.00	191.05	2,704.33	682.77	2,418.97	2,182.35	8.85	-0.78	0.092
116.50	-10.44	-7.73	0.00	-177.8	0.00	177.80	2,679.74	673.47	2,353.53	2,132.81	9.09	-0.79	0.087
119.30	-9.96	-7.80	0.00	-156.2	0.00	156.15	2,632.93	656.11	2,233.77	2,041.10	9.56	-0.81	0.080
120.00	-9.85	-7.54	0.00	-150.8	0.00	150.83	2,621.04	651.77	2,204.32	2,018.34	9.68	-0.81	0.079
125.00	-8.82	-6.39	0.00	-113.1	0.00	113.11	2,534.00	620.77	1,999.63	1,857.73	10.55	-0.84	0.064
127.30	-8.40	-6.17	0.00	-98.4	0.00	98.41	2,492.69	606.51	1,908.83	1,785.10	10.96	-0.85	0.059
128.00	-6.17	-5.42	0.00	-94.1	0.00	94.10	2,479.97	602.17	1,881.61	1,763.17	11.09	-0.86	0.056
130.00	-5.90	-5.38	0.00	-83.2	0.00	83.25	2,443.20	589.77	1,804.92	1,700.93	11.45	-0.87	0.051
132.50	-5.29	-4.24	0.00	-89.8	0.00	69.81	2,396.39	574.27	1,711.30	1,624.09	11.9	-0.88	0.045
134.50	-4.98	-4.12	0.00	-61.3	0.00	61.33	2,358.26	561.87	1,636.21	1,563.42	12.27	-0.89	0.041
135.00	-4.92	-4.10	0.00	-59.3	0.00	59.27	2,348.64	558.77	1,620.18	1,548.36	12.37	-0.89	0.040
136.00	-4.18	-3.94	0.00	-55.2	0.00	55.17	2,329.27	552.57	1,584.43	1,518.40	12.55	-0.89	0.038
138.00	-2.72	-3.30	0.00	-47.3	0.00	47.30	2,286.70	540.17	1,514.12	1,456.87	12.93	-0.9	0.034
138.92	-2.62	-3.28	0.00	-44.3	0.00	44.27	2,262.67	534.47	1,482.34	1,426.13	13.1	-0.9	0.032

ASSET: 413118, POUNDRIDGE NY
CUSTOMER: SPRINT NEXTEL

CODE: ANŞITIA-222-H
ENG NO:

138.92	-2.62	-3.28	0.00	-44.3	0.00	44.27	1,142.07	321.97	896.48	725.71	13.1	-0.9	0.063
140.00	-2.09	-3.13	0.00	-40.7	0.00	40.73	1,134.75	317.95	874.23	712.00	13.31	-0.91	0.059
141.30	-1.95	-2.99	0.00	-36.7	0.00	36.66	1,125.71	313.12	847.84	695.52	13.56	-0.91	0.055
144.30	-1.69	-2.86	0.00	-27.7	0.00	27.67	1,103.89	301.95	788.48	657.57	14.13	-0.93	0.044
145.00	-1.35	-2.38	0.00	-25.7	0.00	25.66	1,098.60	299.35	774.94	648.74	14.27	-0.93	0.041
150.00	-0.79	-2.21	0.00	-13.8	0.00	13.76	1,058.70	280.75	681.64	586.08	15.25	-0.95	0.024
150.30	-0.72	-2.08	0.00	-13.1	0.00	13.09	1,056.19	279.63	676.23	582.35	15.31	-0.95	0.023
153.00	0.00	-2.07	0.00	-7.5	0.00	7.46	1,032.96	269.59	628.53	548.94	15.85	-0.95	0.014

EQUIVALENT LATERAL FORCES METHOD ANALYSIS
(Based on ASCE7-16 Chapters 11, 12 and 15)

Spectral Response Acceleration for Short Period (S_s):	0.259
Spectral Response Acceleration at 1.0 Second Period (S_1):	0.059
Long-Period Transition Period (T_L - Seconds):	6
Importance Factor (I_a):	1.000
Site Coefficient F_a :	1.593
Site Coefficient F_v :	2.400
Response Modification Coefficient (R):	1.500
Design Spectral Response Acceleration at Short Period (S_{ds}):	0.275
Design Spectral Response Acceleration at 1.0 Second Period (S_{d1}):	0.094
Seismic Response Coefficient (C_s):	0.051
Upper Limit C_s :	0.051
Lower Limit C_s :	0.030
Period based on Rayleigh Method (sec):	1.240
Redundancy Factor (p):	1.000
Seismic Force Distribution Exponent (k):	1.370
Total Unfactored Dead Load:	59.970 k
Seismic Base Shear (E):	3.050 k

1.2D + 1.0Ev + 1.0Eh Normal Seismic

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
68	151.65	161	156	0.007	22	202
67	150.15	18	17	0.001	2	23
66	147.5	313	293	0.013	41	393
65	144.65	48	44	0.002	6	60
64	142.8	210	188	0.009	26	264
63	140.65	93	81	0.004	11	117
62	139.4596	78	68	0.003	9	98
61	138.4596	105	90	0.004	13	132
60	137	243	205	0.009	29	305
59	135.5	127	106	0.005	15	159
58	134.75	64	53	0.002	7	80
57	133.5	259	211	0.010	29	325
56	131.25	330	263	0.012	37	415
55	129	270	210	0.010	29	339
54	127.65	100	76	0.004	11	125
53	126.15	331	250	0.011	35	416
52	122.5	742	537	0.025	75	931
51	119.65	106	74	0.003	10	133
50	117.9	431	296	0.014	41	541
49	115.75	235	157	0.007	22	295
48	113.15	591	383	0.018	54	741
47	111.15	49	31	0.001	4	61
46	110.5	182	115	0.005	16	229
45	109	368	227	0.010	32	462
44	106.5	562	336	0.015	47	705
43	103.9	419	242	0.011	34	526
42	101.4	541	302	0.014	42	679
41	97.5	990	524	0.024	73	1,243
40	94.9	40	21	0.001	3	50
39	94.4	161	82	0.004	11	203
38	93.6797	130	65	0.003	9	163
37	93.1797	152	75	0.004	11	190
36	92.5	425	209	0.010	29	533
35	91.25	664	321	0.015	45	834

Segment	Height Above Base (ft)	Weight (lb)	W _z (lb-ft)	C _v	Horizontal Force (lb)	Vertical Force (lb)
34	90.25	223	106	0.005	15	280
33	88.3216	1,515	701	0.032	98	1,301
32	86.4716	100	45	0.002	6	125
31	85.65	379	168	0.008	23	475
30	83.4	945	404	0.018	56	1,185
29	80.9	539	221	0.010	31	676
28	78.65	819	323	0.015	45	1,027
27	76.15	707	267	0.012	37	887
26	74.15	528	192	0.009	27	663
25	71.65	1,039	361	0.016	50	1,304
24	69.65	223	74	0.003	10	280
23	67.15	1,387	441	0.020	61	1,740
22	64.5	327	98	0.004	14	410
21	62.15	1,224	350	0.016	49	1,537
20	60.15	100	27	0.001	4	126
19	58.25	1,181	309	0.014	43	1,482
18	55.75	513	126	0.006	18	643
17	54	689	163	0.007	23	865
16	51.905	763	170	0.008	24	957
15	50.405	549	118	0.005	16	689
14	49.75	340	72	0.003	10	427
13	47.75	2,405	479	0.022	67	3,019
12	45.5	695	130	0.006	18	873
11	44	1,401	250	0.011	36	1,759
10	42.5964	570	97	0.004	14	715
9	41.0964	888	144	0.007	20	1,115
8	37.5	2,060	295	0.014	41	2,585
7	32.5	2,108	248	0.011	35	2,645
6	27.5	2,156	202	0.009	28	2,706
5	22.5	2,204	157	0.007	22	2,766
4	17.5	2,252	113	0.005	16	2,826
3	12.5	2,300	73	0.003	10	2,887
2	7.5	2,348	37	0.002	5	2,947
1	2.5	2,252	8	0.000	1	2,826
Comprod 893-70-4	153	60	69	0.003	8	75
Sinclair SD318-HF2P4SNM(D02)	153	92	90	0.004	13	115
Sinclair SD314-HF2P4LDF	153	25	25	0.001	3	32
Sinclair SD314-HF2P4LDF	145	100	92	0.004	13	126
Sinclair SD314-HF2P4LDF	145	50	46	0.002	6	63
Sinclair SD314-HF2P4LDF	145	100	92	0.004	13	126
Sinclair SD214-SF3P2SNM(D00)	153	48	48	0.002	7	61
RFI Antennas BA160-67-T3	153	88	87	0.004	12	111
RFI Antennas BA160-67-T3	153	132	130	0.006	18	166
Pine Branches	153	150	147	0.007	21	188
Pine Branches	150.3	50	48	0.002	7	63
Pine Branches	144.3	50	45	0.002	6	63
Pine Branches	141.3	50	44	0.002	6	63
Pine Branches	134.5	50	41	0.002	6	63
Pine Branches	132.5	300	242	0.011	34	377
Pine Branches	127.3	50	38	0.002	5	63
Pine Branches	127.3	50	38	0.002	5	63
Pine Branches	125	300	223	0.010	31	377
Pine Branches	119.3	50	35	0.002	5	63
Pine Branches	116.5	300	203	0.009	28	377
Pine Branches	111.3	50	32	0.002	4	63
Pine Branches	108	300	183	0.008	26	377
Pine Branches	102.8	50	28	0.001	4	63
Pine Branches	100	300	164	0.008	23	377
Pine Branches	94.8	50	25	0.001	4	63
Pine Branches	90.5	50	24	0.001	3	63
Pine Branches	86.3	50	22	0.001	3	63
Pine Branches	81.8	50	21	0.001	3	63
Pine Branches	77.3	50	19	0.001	3	63
Pine Branches	73.3	50	18	0.001	2	63
Pine Branches	69.3	50	17	0.001	2	63
Pine Branches	64	50	15	0.001	2	63
Pine Branches	60.3	50	14	0.001	2	63
Pine Branches	56.5	50	13	0.001	2	63
Pine Branches	53	50	11	0.000	2	63
Pine Branches	49.5	50	10	0.000	1	63

ASSET: 413118, POUNDRIDGE NY
 CUSTOMER: SPRINT NEXTEL

CODE: ANSITIA-222-H
 ENG NO:

Segment	Height Above Base (ft)	Weight (lb)	W _z (lb-ft)	C _{vx}	Horizontal Force (lb)	Vertical Force (lb)
Pine Branches	46	50	9	0.000	1	63
Pine Branches	46	600	114	0.005	16	753
Pine Branches	43	50	9	0.000	1	63
Pine Branches	43	150	26	0.001	4	188
Flat T-Arm	150	250	239	0.011	33	314
Flat T-Arm	138	750	639	0.029	89	941
Flat T-Arm	128	750	577	0.026	80	941
Generic 5' Omni	145	10	9	0.000	1	13
Sinclair SD212-HF2P4LDF(D00B)	145	39	36	0.002	5	49
Flat Side Arm	140	450	391	0.018	55	565
Commscope JAHH-65B-R3B	138	364	310	0.014	43	456
CSS X7CAP-660-VM0ip	138	115	98	0.004	14	144
Nokia AHCA AirScale RRH 4T4R B5 160W	136	106	88	0.004	12	133
Alcatel-Lucent B13 RRH4x30-4R 700U	136	172	143	0.007	20	215
Nokia AHFIC AirScale Dual RRH 4T4R B2/66a 320W	136	238	199	0.009	28	299
Raycap RRODC-6600-PF-48	136	94	79	0.004	11	119
Ericsson Radio 4460 B25+B66	128	327	251	0.012	35	410
Ericsson Radio 4480 B71+B85A	128	252	194	0.009	27	316
Ericsson Air6449 B41	128	312	240	0.011	33	392
RFS APX16DWV-16DWVS-E-A20	128	122	94	0.004	13	153
RFS APXVAALL24 43-U-NA20	128	368	283	0.013	40	462
Nokia AirScale RRH 4T4R B5 160W AHCA	111	106	67	0.003	9	133
Nokia RRH 4T4R B30 100W AHNA (34.2 lbs)	111	103	65	0.003	9	129
Raycap DC6-48-60-18-8F ("Squid")	111	64	40	0.002	6	80
Alcatel-Lucent B25 RRH4x30-4R	111	153	97	0.004	14	192
Andrew DBXNH-6565A-A2M	111	103	65	0.003	9	129
Commscope NNHH-65A-R4	111	403	255	0.012	36	506
Generic Flat Light Sector Frame	111	1,200	759	0.035	106	1,506
Generic 5' Dipole	94	15	8	0.000	1	19
Sinclair SD212	93	16	8	0.000	1	20
Generic Round Side Arm	93	562	279	0.013	39	706
RFS SC3-W100AC	93	40	20	0.001	3	50
Ericsson KRY 112 144/1	92	33	16	0.001	2	41
Ericsson KRY 112 89/5	92	46	23	0.001	3	58
RFS APX16PV-16PVL-A	92	119	58	0.003	8	149
RFS APXVF24-C-A20	92	152	74	0.003	10	191
Generic Flat T-Arm	92	625	306	0.014	43	784
		59,975	21,829	1.000	3,047	75,268

0.9D - 1.0Ev + 1.0Eh Normal Seismic (Reduced DL)

Segment	Height Above Base (ft)	Weight (lb)	W _z (lb-ft)	C _{vx}	Horizontal Force (lb)	Vertical Force (lb)
68	151.65	161	156	0.007	22	136
67	150.15	18	17	0.001	2	15
66	147.5	313	293	0.013	41	265
65	144.65	48	44	0.002	6	41
64	142.8	210	188	0.009	26	178
63	140.65	93	81	0.004	11	79
62	139.4596	78	68	0.003	9	66
61	138.4596	105	90	0.004	13	89
60	137	243	205	0.009	29	205
59	135.5	127	106	0.005	15	107
58	134.75	64	53	0.002	7	54
57	133.5	259	211	0.010	28	219
56	131.25	330	263	0.012	37	279
55	129	270	210	0.010	29	228
54	127.65	100	76	0.004	11	84
53	126.15	331	250	0.011	35	280
52	122.5	742	537	0.025	75	627
51	119.65	106	74	0.003	10	90
50	117.9	431	296	0.014	41	364

ASSET: 413118, POUNDRIDGE NY
 CUSTOMER: SPRINT NEXTEL

CODE: ANSI/TIA-222-H
 ENG NO:

Segment	Height Above Base (ft)	Weight (lb)	W _z (lb-ft)	C _z	Horizontal Force (lb)	Vertical Force (lb)
49	115.75	235	157	0.007	22	198
48	113.15	591	383	0.018	54	499
47	111.15	49	31	0.001	4	41
46	110.5	182	115	0.005	16	154
45	109	368	227	0.010	32	311
44	106.5	562	336	0.015	47	475
43	103.9	419	242	0.011	34	354
42	101.4	541	302	0.014	42	457
41	97.5	990	524	0.024	73	837
40	94.9	40	21	0.001	3	34
39	94.4	161	82	0.004	11	136
38	93.6797	130	65	0.003	9	110
37	93.1797	152	75	0.004	11	128
36	92.5	425	209	0.010	29	359
35	91.25	664	321	0.015	45	561
34	90.25	223	106	0.005	15	188
33	88.3216	1,515	701	0.032	98	1,280
32	86.4716	100	45	0.002	6	84
31	85.65	379	168	0.008	23	320
30	83.4	945	404	0.018	56	798
29	80.9	539	221	0.010	31	455
28	78.65	819	323	0.015	45	692
27	76.15	707	267	0.012	37	597
26	74.15	528	192	0.009	27	446
25	71.65	1,039	361	0.016	50	878
24	69.65	223	74	0.003	10	188
23	67.15	1,387	441	0.020	61	1,172
22	64.5	327	98	0.004	14	276
21	62.15	1,224	350	0.016	49	1,035
20	60.15	100	27	0.001	4	85
19	58.25	1,181	309	0.014	43	998
18	55.75	513	126	0.006	18	433
17	54	689	163	0.007	23	582
16	51.905	763	170	0.008	24	644
15	50.405	549	118	0.005	16	464
14	49.75	340	72	0.003	10	287
13	47.75	2,405	479	0.022	67	2,032
12	45.5	695	130	0.006	18	588
11	44	1,401	250	0.011	35	1,184
10	42.5964	570	97	0.004	14	481
9	41.0964	888	144	0.007	20	750
8	37.5	2,060	295	0.014	41	1,741
7	32.5	2,108	248	0.011	35	1,781
6	27.5	2,156	202	0.009	28	1,822
5	22.5	2,204	157	0.007	22	1,862
4	17.5	2,252	113	0.005	16	1,903
3	12.5	2,300	73	0.003	10	1,944
2	7.5	2,348	37	0.002	5	1,984
1	2.5	2,252	8	0.000	1	1,903
Comprod 893-70-4	153	60	59	0.003	8	51
Sinclair SD318-HF2P4SNM(D02)	153	92	90	0.004	13	78
Sinclair SD314-HF2P4LDF	153	25	25	0.001	3	21
Sinclair SD314-HF2P4LDF	145	100	92	0.004	13	85
Sinclair SD314-HF2P4LDF	145	50	46	0.002	6	42
Sinclair SD314-HF2P4LDF	145	100	92	0.004	13	85
Sinclair SD214-SF3P2SNM(D00)	153	48	48	0.002	7	41
RFI Antennas BA160-67-T3	153	88	87	0.004	12	75
RFI Antennas BA160-67-T3	153	132	130	0.006	18	112
Pine Branches	153	150	147	0.007	21	127
Pine Branches	150.3	50	48	0.002	7	42
Pine Branches	144.3	50	45	0.002	6	42
Pine Branches	141.3	50	44	0.002	6	42
Pine Branches	134.5	50	41	0.002	6	42
Pine Branches	132.5	300	242	0.011	34	253
Pine Branches	127.3	50	38	0.002	5	42
Pine Branches	127.3	50	38	0.002	5	42
Pine Branches	125	300	223	0.010	31	253
Pine Branches	119.3	50	35	0.002	5	42
Pine Branches	116.5	300	203	0.009	28	253
Pine Branches	111.3	50	32	0.002	4	42

ASSET: 413118, POUNDRIDGE NY
 CUSTOMER: SPRINT NEXTEL

CODE: ANSI/TIA-222-H
 ENG NO:

Segment	Height Above Base (ft)	Weight (lb)	W _z (lb-ft)	C _w	Horizontal Force (lb)	Vertical Force (lb)
Pine Branches	108	300	183	0.008	26	253
Pine Branches	102.8	50	28	0.001	4	42
Pine Branches	100	300	184	0.008	23	253
Pine Branches	94.8	50	25	0.001	4	42
Pine Branches	90.5	50	24	0.001	3	42
Pine Branches	86.3	50	22	0.001	3	42
Pine Branches	81.8	50	21	0.001	3	42
Pine Branches	77.3	50	19	0.001	3	42
Pine Branches	73.3	50	18	0.001	2	42
Pine Branches	69.3	50	17	0.001	2	42
Pine Branches	64	50	15	0.001	2	42
Pine Branches	60.3	50	14	0.001	2	42
Pine Branches	56.5	50	13	0.001	2	42
Pine Branches	53	50	11	0.000	2	42
Pine Branches	49.5	50	10	0.000	1	42
Pine Branches	46	50	9	0.000	1	42
Pine Branches	46	600	114	0.005	16	507
Pine Branches	43	50	9	0.000	1	42
Pine Branches	43	150	26	0.001	4	127
Flat T-Arm	150	250	239	0.011	33	211
Flat T-Arm	138	750	639	0.029	89	634
Flat T-Arm	128	750	577	0.026	80	634
Generic 5' Omni	145	10	9	0.000	1	8
Sinclair SD212-HF2P4LDF(D00B)	145	39	36	0.002	5	33
Flat Side Arm	140	450	391	0.018	55	380
Commscope JAHH-65B-R3B	138	364	310	0.014	43	307
CSS X7CAP-680-VM0lp	138	115	98	0.004	14	97
Nokia AHCA AirScale RRH 4T4R B5 160W	136	106	88	0.004	12	89
Alcatel-Lucent B13 RRH4x30-4R 700U	136	172	143	0.007	20	145
Nokia AHFIC AirScale Dual RRH 4T4R B2/66a 320W	136	238	199	0.009	28	201
Raycap RRODC-6600-PF-48	136	94	79	0.004	11	80
Ericsson Radio 4460 B25+B66	128	327	251	0.012	35	276
Ericsson Radio 4480 B71+B85A	128	252	194	0.009	27	213
Ericsson Air6449 B41	128	312	240	0.011	33	264
RFS APX16DWV-16DWVS-E-A20	128	122	94	0.004	13	103
RFS APXVAALL24 43-U-NA20	128	368	283	0.013	40	311
Nokia AirScale RRH 4T4R B5 160W AHCA	111	106	67	0.003	9	89
Nokia RRH 4T4R B30 100W AHNA (34.2 lbs)	111	103	65	0.003	9	87
Raycap DC6-48-60-18-8F ("Squid")	111	64	40	0.002	6	54
Alcatel-Lucent B25 RRH4x30-4R	111	153	97	0.004	14	129
Andrew DBXNH-6565A-A2M	111	103	65	0.003	9	87
Commscope NNHH-65A-R4	111	403	255	0.012	36	341
Generic Flat Light Sector Frame	111	1,200	759	0.035	106	1,014
Generic 5' Dipole	94	15	8	0.000	1	13
Sinclair SD212	93	16	8	0.000	1	14
Generic Round Side Arm	93	562	279	0.013	39	475
RFS SC3-W100AC	93	40	20	0.001	3	34
Ericsson KRY 112 144/1	92	33	16	0.001	2	28
Ericsson KRY 112 89/5	92	46	23	0.001	3	39
RFS APX16PV-16PVL-A	92	119	58	0.003	8	100
RFS APXVF24-C-A20	92	152	74	0.003	10	129
Generic Flat T-Arm	92	625	306	0.014	43	628
		59,975	21,829	1.000	3,047	50,678

1.2D + 1.0Ev + 1.0Eh Normal

Seismic

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 (kips)	Phi Mn (kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-72.44	-3.05	0.00	-311.49	0.00	311.49	7,927.47	2,186.29	15,501	12,823.31	0.00	0.00	0.03
5.00	-69.49	-3.05	0.00	-296.25	0.00	296.25	7,828.56	2,136.69	14,806	12,374.19	0.00	0.00	0.03
10.00	-66.61	-3.04	0.00	-281.01	0.00	281.01	7,725.88	2,087.09	14,126	11,926.57	0.01	-0.01	0.03
15.00	-63.78	-3.03	0.00	-265.80	0.00	265.80	7,619.45	2,037.48	13,463	11,480.87	0.02	-0.01	0.03
20.00	-61.01	-3.01	0.00	-250.64	0.00	250.64	7,509.26	1,987.88	12,815	11,037.51	0.04	-0.02	0.03

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 (kips)	Phi Mn (kips)	Total Deflect (in)	Rotation (deg)	Ratio
25.00	-58.31	-2.99	0.00	-235.57	0.00	235.57	7,395.32	1,938.28	12,184	10,596.91	0.06	-0.02	0.03
30.00	-55.66	-2.96	0.00	-220.63	0.00	220.63	7,277.61	1,888.68	11,568	10,159.47	0.09	-0.03	0.03
35.00	-53.08	-2.92	0.00	-205.84	0.00	205.84	7,156.15	1,839.07	10,969	9,725.63	0.12	-0.03	0.03
40.00	-51.96	-2.90	0.00	-191.24	0.00	191.24	7,030.93	1,789.47	10,385	9,295.73	0.16	-0.04	0.03
42.19	-51.25	-2.89	0.00	-184.87	0.00	184.87	6,974.83	1,767.72	10,134	9,108.65	0.17	-0.04	0.03
43.00	-49.24	-2.85	0.00	-182.54	0.00	182.54	6,953.99	1,759.71	10,042	9,039.97	0.18	-0.04	0.03
45.00	-48.37	-2.83	0.00	-176.84	0.00	176.84	6,901.95	1,739.87	9,817	8,870.36	0.20	-0.04	0.03
46.00	-44.53	-2.75	0.00	-174.00	0.00	174.00	6,875.70	1,729.95	9,706	8,785.84	0.21	-0.04	0.03
49.50	-44.04	-2.74	0.00	-164.39	0.00	164.39	6,782.65	1,695.23	9,320	8,491.61	0.24	-0.05	0.03
50.00	-43.35	-2.72	0.00	-163.02	0.00	163.02	6,769.21	1,690.27	9,266	8,449.78	0.25	-0.05	0.03
50.81	-42.40	-2.70	0.00	-160.82	0.00	160.82	5,687.15	1,494.80	8,281	7,182.88	0.25	-0.05	0.03
53.00	-41.47	-2.67	0.00	-154.91	0.00	154.91	5,642.81	1,475.79	8,072	7,035.59	0.28	-0.05	0.03
55.00	-40.82	-2.66	0.00	-149.56	0.00	149.56	5,601.69	1,458.43	7,883	6,901.57	0.30	-0.05	0.03
56.50	-39.28	-2.61	0.00	-145.58	0.00	145.58	5,570.45	1,445.41	7,743	6,801.36	0.31	-0.05	0.03
60.00	-39.15	-2.61	0.00	-136.43	0.00	136.43	5,496.25	1,415.03	7,421	6,568.67	0.36	-0.06	0.03
60.30	-37.55	-2.56	0.00	-135.65	0.00	135.65	5,489.80	1,412.42	7,394	6,548.81	0.36	-0.06	0.03
64.00	-37.08	-2.54	0.00	-126.18	0.00	126.18	5,409.19	1,380.31	7,062	6,304.82	0.41	-0.06	0.03
65.00	-35.34	-2.48	0.00	-123.63	0.00	123.63	5,387.05	1,371.62	6,973	6,239.22	0.42	-0.06	0.03
69.30	-35.00	-2.47	0.00	-112.96	0.00	112.96	5,290.13	1,334.30	6,599	5,958.95	0.48	-0.07	0.03
70.00	-33.69	-2.42	0.00	-111.23	0.00	111.23	5,274.09	1,328.22	6,539	5,913.62	0.49	-0.07	0.03
73.30	-32.97	-2.39	0.00	-103.24	0.00	103.24	5,197.48	1,299.58	6,260	5,701.03	0.54	-0.07	0.02
75.00	-32.08	-2.35	0.00	-99.17	0.00	99.17	5,157.38	1,284.82	6,118	5,592.28	0.57	-0.07	0.02
77.30	-30.99	-2.31	0.00	-93.76	0.00	93.76	5,102.43	1,264.86	5,930	5,446.02	0.60	-0.08	0.02
80.00	-30.31	-2.28	0.00	-87.53	0.00	87.53	5,036.90	1,241.42	5,712	5,275.64	0.65	-0.08	0.02
81.80	-29.07	-2.22	0.00	-83.43	0.00	83.43	4,992.61	1,225.79	5,569	5,162.87	0.68	-0.08	0.02
85.00	-28.59	-2.19	0.00	-76.34	0.00	76.34	4,912.67	1,198.02	5,320	4,964.09	0.73	-0.09	0.02
86.30	-28.40	-2.18	0.00	-73.48	0.00	73.48	4,879.76	1,186.73	5,220	4,883.97	0.76	-0.09	0.02
88.64	-26.50	-2.08	0.00	-72.73	0.00	72.73	4,871.02	1,183.75	5,194	4,862.88	0.76	-0.09	0.02
90.00	-26.22	-2.07	0.00	-65.73	0.00	65.73	4,784.68	1,154.61	4,941	4,658.06	0.83	-0.09	0.02
90.50	-25.32	-2.02	0.00	-64.70	0.00	64.70	4,771.68	1,150.27	4,904	4,627.78	0.84	-0.09	0.02
92.00	-23.57	-1.92	0.00	-61.67	0.00	61.67	4,732.44	1,137.25	4,794	4,537.29	0.86	-0.09	0.02
93.00	-22.80	-1.87	0.00	-59.74	0.00	59.74	4,706.09	1,128.57	4,721	4,477.27	0.88	-0.09	0.02
93.36	-22.44	-1.86	0.00	-59.07	0.00	59.07	3,021.46	816.95	3,463	2,921.23	0.89	-0.09	0.03
94.00	-22.22	-1.85	0.00	-57.88	0.00	57.88	3,013.09	812.98	3,429	2,896.87	0.90	-0.09	0.03
94.80	-22.10	-1.84	0.00	-56.40	0.00	56.40	3,002.54	808.02	3,388	2,870.98	0.92	-0.10	0.03
95.00	-20.86	-1.77	0.00	-56.04	0.00	56.04	2,999.89	808.78	3,377	2,864.02	0.92	-0.10	0.03
100.00	-19.81	-1.70	0.00	-47.20	0.00	47.20	2,931.63	775.78	3,123	2,690.59	1.03	-0.10	0.02
102.80	-19.22	-1.66	0.00	-42.44	0.00	42.44	2,891.77	758.42	2,985	2,594.19	1.09	-0.10	0.02
105.00	-18.51	-1.62	0.00	-38.78	0.00	38.78	2,859.62	744.78	2,878	2,518.89	1.14	-0.11	0.02
108.00	-17.67	-1.56	0.00	-33.93	0.00	33.93	2,814.61	726.17	2,736	2,416.87	1.20	-0.11	0.02
110.00	-17.44	-1.54	0.00	-30.81	0.00	30.81	2,783.85	713.77	2,644	2,349.33	1.25	-0.11	0.02
111.00	-14.71	-1.34	0.00	-29.27	0.00	29.27	2,768.25	707.57	2,598	2,315.72	1.27	-0.11	0.02
111.30	-13.91	-1.29	0.00	-28.87	0.00	28.87	2,763.54	705.71	2,584	2,305.65	1.28	-0.11	0.02
115.00	-13.61	-1.26	0.00	-24.11	0.00	24.11	2,704.33	682.77	2,419	2,182.35	1.37	-0.12	0.02
116.50	-12.69	-1.19	0.00	-22.22	0.00	22.22	2,679.74	673.47	2,354	2,132.81	1.41	-0.12	0.02
119.30	-12.50	-1.18	0.00	-18.88	0.00	18.88	2,632.93	656.11	2,234	2,041.10	1.48	-0.12	0.01
120.00	-11.57	-1.10	0.00	-18.05	0.00	18.05	2,621.04	651.77	2,204	2,018.34	1.49	-0.12	0.01
125.00	-10.77	-1.03	0.00	-12.55	0.00	12.55	2,534.00	620.77	2,000	1,857.73	1.62	-0.12	0.01
127.30	-10.52	-1.01	0.00	-10.17	0.00	10.17	2,492.69	606.61	1,909	1,785.10	1.68	-0.13	0.01
128.00	-7.51	-0.75	0.00	-9.47	0.00	9.47	2,479.97	602.17	1,882	1,763.17	1.70	-0.13	0.01
130.00	-7.10	-0.71	0.00	-7.97	0.00	7.97	2,443.20	589.77	1,805	1,700.93	1.75	-0.13	0.01
132.50	-6.39	-0.65	0.00	-6.20	0.00	6.20	2,396.39	574.27	1,711	1,624.09	1.82	-0.13	0.01
134.50	-6.25	-0.63	0.00	-4.91	0.00	4.91	2,358.26	561.87	1,638	1,563.42	1.87	-0.13	0.01
135.00	-6.09	-0.62	0.00	-4.59	0.00	4.59	2,348.64	558.77	1,620	1,548.36	1.89	-0.13	0.01
136.00	-5.02	-0.51	0.00	-3.97	0.00	3.97	2,329.27	552.57	1,584	1,518.40	1.92	-0.13	0.01
138.00	-3.35	-0.35	0.00	-2.94	0.00	2.94	2,286.70	540.17	1,514	1,456.87	1.97	-0.13	0.00
138.92	-3.25	-0.34	0.00	-2.62	0.00	2.62	2,262.57	534.47	1,482	1,426.13	1.99	-0.13	0.00
138.92	-3.25	-0.34	0.00	-2.62	0.00	2.62	1,142.07	321.97	896	725.71	1.99	-0.13	0.01
140.00	-2.57	-0.28	0.00	-2.25	0.00	2.25	1,134.75	317.95	874	712.00	2.02	-0.13	0.01
141.30	-2.24	-0.24	0.00	-1.89	0.00	1.89	1,125.71	313.12	846	695.52	2.06	-0.13	0.01
144.30	-2.12	-0.23	0.00	-1.16	0.00	1.16	1,103.89	301.95	788	657.57	2.14	-0.13	0.00
145.00	-1.35	-0.15	0.00	-1.00	0.00	1.00	1,098.60	299.35	775	648.74	2.16	-0.13	0.00
150.00	-1.01	-0.11	0.00	-0.26	0.00	0.26	1,058.70	280.75	682	586.08	2.30	-0.13	0.00
150.30	-0.75	-0.08	0.00	-0.23	0.00	0.23	1,056.19	279.63	676	582.35	2.31	-0.13	0.00
153.00	0.00	-0.08	0.00	0.00	0.00	0.00	1,032.96	269.59	629	548.94	2.38	-0.13	0.00

0.9D - 1.0Ev + 1.0Eh Normal Seismic (Reduced DL)

CALCULATED FORCES

Seg	Pu	Vu	Tu	Mu	Mu	Resultant	Phi	Phi	Phi	Phi	Total	Rotation	Ratio
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ASSET: 413118, POUNDRIDGE NY
CUSTOMER: SPRINT NEXTEL

CODE: ANSI/TIA-222-H
ENG NO:

Elev (ft)	FY (-) (kips)	FX (-) (kips)	MY (ft-kips)	MZ (ft-kips)	Mx (ft-kips)	Moment (ft-kips)	Pn (kips)	Vn (kips)	Tn (kips)	Mn (kips)	Deflect (in)	(deg)	
0.00	-48.78	-3.05	0.00	-310.12	0.00	310.12	7,927.47	2,186.29	15,601	12,823.31	0.00	0.00	0.03
5.00	-46.79	-3.05	0.00	-294.89	0.00	294.89	7,828.56	2,136.69	14,806	12,374.19	0.00	0.00	0.03
10.00	-44.85	-3.04	0.00	-279.66	0.00	279.66	7,725.88	2,087.09	14,126	11,926.57	0.01	-0.01	0.03
15.00	-42.94	-3.03	0.00	-264.47	0.00	264.47	7,619.45	2,037.48	13,463	11,480.87	0.02	-0.01	0.03
20.00	-41.08	-3.01	0.00	-249.34	0.00	249.34	7,509.26	1,987.88	12,815	11,037.51	0.04	-0.02	0.03
25.00	-39.26	-2.98	0.00	-234.31	0.00	234.31	7,395.32	1,938.28	12,184	10,596.91	0.06	-0.02	0.03
30.00	-37.48	-2.95	0.00	-219.41	0.00	219.41	7,277.81	1,888.68	11,568	10,159.47	0.09	-0.03	0.03
35.00	-35.74	-2.91	0.00	-204.66	0.00	204.66	7,156.15	1,839.07	10,969	9,725.63	0.12	-0.03	0.03
40.00	-34.99	-2.89	0.00	-190.12	0.00	190.12	7,030.93	1,789.47	10,385	9,295.79	0.15	-0.04	0.03
42.19	-34.50	-2.88	0.00	-183.78	0.00	183.78	6,974.83	1,767.72	10,134	9,108.65	0.17	-0.04	0.03
43.00	-33.15	-2.84	0.00	-181.45	0.00	181.45	6,953.99	1,759.71	10,042	9,039.97	0.18	-0.04	0.03
45.00	-32.56	-2.82	0.00	-175.78	0.00	175.78	6,901.95	1,739.87	9,817	8,870.36	0.20	-0.04	0.03
46.00	-29.98	-2.74	0.00	-172.96	0.00	172.96	6,875.70	1,729.95	9,706	8,785.84	0.21	-0.04	0.02
49.50	-29.65	-2.73	0.00	-163.38	0.00	163.38	6,782.65	1,695.23	9,320	8,491.61	0.24	-0.05	0.02
50.00	-29.19	-2.71	0.00	-162.02	0.00	162.02	6,769.21	1,690.27	9,266	8,449.78	0.24	-0.05	0.02
50.81	-28.54	-2.69	0.00	-159.82	0.00	159.82	6,687.15	1,494.80	8,281	7,182.88	0.25	-0.05	0.03
53.00	-27.92	-2.66	0.00	-153.94	0.00	153.94	6,642.81	1,475.79	8,072	7,035.59	0.27	-0.05	0.03
55.00	-27.49	-2.64	0.00	-148.62	0.00	148.62	6,601.69	1,458.43	7,883	6,901.57	0.30	-0.05	0.03
56.50	-26.45	-2.60	0.00	-144.65	0.00	144.65	6,570.45	1,445.41	7,743	6,801.38	0.31	-0.05	0.03
60.00	-26.36	-2.60	0.00	-135.55	0.00	135.55	6,496.25	1,415.03	7,421	6,568.67	0.35	-0.06	0.03
60.30	-25.28	-2.55	0.00	-134.78	0.00	134.78	6,489.80	1,412.42	7,394	6,548.81	0.36	-0.06	0.03
64.00	-24.97	-2.53	0.00	-125.36	0.00	125.36	6,409.19	1,380.31	7,062	6,304.82	0.41	-0.06	0.03
65.00	-23.79	-2.47	0.00	-122.82	0.00	122.82	6,387.05	1,371.62	6,973	6,239.22	0.42	-0.06	0.02
69.30	-23.56	-2.46	0.00	-112.21	0.00	112.21	6,290.13	1,334.30	6,599	5,958.95	0.48	-0.07	0.02
70.00	-22.68	-2.41	0.00	-110.49	0.00	110.49	6,274.09	1,328.22	6,539	5,913.62	0.49	-0.07	0.02
73.30	-22.20	-2.38	0.00	-102.54	0.00	102.54	6,197.48	1,299.58	6,260	5,701.03	0.54	-0.07	0.02
75.00	-21.60	-2.34	0.00	-98.50	0.00	98.50	6,157.38	1,284.82	6,118	5,592.28	0.56	-0.07	0.02
77.30	-20.86	-2.29	0.00	-93.12	0.00	93.12	6,102.43	1,264.86	5,930	5,446.02	0.60	-0.08	0.02
80.00	-20.41	-2.26	0.00	-86.92	0.00	86.92	6,036.90	1,241.42	5,712	5,275.64	0.64	-0.08	0.02
81.80	-19.57	-2.20	0.00	-82.85	0.00	82.85	4,992.61	1,225.79	5,569	5,162.87	0.67	-0.08	0.02
85.00	-19.25	-2.18	0.00	-75.80	0.00	75.80	4,912.67	1,198.02	5,320	4,964.09	0.73	-0.08	0.02
86.30	-19.12	-2.17	0.00	-72.97	0.00	72.97	4,879.76	1,186.73	5,220	4,883.97	0.75	-0.09	0.02
86.64	-17.84	-2.07	0.00	-72.22	0.00	72.22	4,871.02	1,183.75	5,194	4,862.88	0.76	-0.09	0.02
90.00	-17.65	-2.06	0.00	-65.27	0.00	65.27	4,784.68	1,154.61	4,941	4,658.06	0.82	-0.09	0.02
90.50	-17.05	-2.01	0.00	-64.24	0.00	64.24	4,771.68	1,150.27	4,904	4,627.78	0.83	-0.09	0.02
92.00	-15.87	-1.91	0.00	-61.23	0.00	61.23	4,732.44	1,137.25	4,794	4,537.29	0.86	-0.09	0.02
93.00	-15.22	-1.86	0.00	-59.32	0.00	59.32	4,706.09	1,128.57	4,721	4,477.27	0.88	-0.09	0.02
93.36	-15.11	-1.85	0.00	-58.65	0.00	58.65	3,021.46	816.95	3,463	2,921.23	0.89	-0.09	0.03
94.00	-14.96	-1.83	0.00	-57.47	0.00	57.47	3,013.09	812.98	3,429	2,898.87	0.90	-0.09	0.03
94.80	-14.88	-1.83	0.00	-56.00	0.00	56.00	3,002.54	808.02	3,388	2,870.98	0.91	-0.09	0.02
95.00	-14.04	-1.75	0.00	-55.64	0.00	55.64	2,999.89	806.78	3,377	2,864.02	0.92	-0.09	0.02
100.00	-13.33	-1.69	0.00	-46.86	0.00	46.86	2,931.63	775.78	3,123	2,690.59	1.02	-0.10	0.02
102.80	-12.94	-1.65	0.00	-42.13	0.00	42.13	2,891.77	758.42	2,985	2,594.19	1.08	-0.10	0.02
105.00	-12.46	-1.60	0.00	-38.50	0.00	38.50	2,859.62	744.78	2,878	2,518.89	1.13	-0.11	0.02
108.00	-11.90	-1.55	0.00	-33.68	0.00	33.68	2,814.61	726.17	2,736	2,416.87	1.20	-0.11	0.02
110.00	-11.74	-1.53	0.00	-30.59	0.00	30.59	2,783.85	713.77	2,644	2,349.33	1.24	-0.11	0.02
111.00	-9.90	-1.34	0.00	-29.06	0.00	29.06	2,768.25	707.57	2,598	2,315.72	1.27	-0.11	0.02
111.30	-9.36	-1.28	0.00	-28.66	0.00	28.66	2,763.54	705.71	2,584	2,305.65	1.27	-0.11	0.02
115.00	-9.16	-1.25	0.00	-23.94	0.00	23.94	2,704.33	682.77	2,419	2,182.35	1.36	-0.12	0.01
116.50	-8.55	-1.18	0.00	-22.05	0.00	22.05	2,679.74	673.47	2,354	2,132.81	1.40	-0.12	0.01
119.30	-8.41	-1.17	0.00	-18.74	0.00	18.74	2,632.93	656.11	2,234	2,041.10	1.47	-0.12	0.01
120.00	-7.79	-1.09	0.00	-17.92	0.00	17.92	2,621.04	651.77	2,204	2,018.34	1.49	-0.12	0.01
125.00	-7.25	-1.03	0.00	-12.46	0.00	12.46	2,534.00	620.77	2,000	1,857.73	1.61	-0.12	0.01
127.30	-7.08	-1.00	0.00	-10.10	0.00	10.10	2,492.69	606.51	1,909	1,785.10	1.67	-0.12	0.01
128.00	-5.06	-0.74	0.00	-9.40	0.00	9.40	2,479.87	602.17	1,882	1,763.17	1.69	-0.12	0.01
130.00	-4.78	-0.70	0.00	-7.91	0.00	7.91	2,443.20	589.77	1,805	1,700.93	1.74	-0.13	0.01
132.50	-4.31	-0.64	0.00	-6.15	0.00	6.15	2,396.39	574.27	1,711	1,624.09	1.81	-0.13	0.01
134.50	-4.21	-0.63	0.00	-4.87	0.00	4.87	2,358.26	561.87	1,638	1,563.42	1.86	-0.13	0.01
135.00	-4.10	-0.61	0.00	-4.56	0.00	4.56	2,348.64	558.77	1,620	1,548.36	1.88	-0.13	0.01
136.00	-3.38	-0.51	0.00	-3.95	0.00	3.95	2,329.27	552.57	1,584	1,518.40	1.90	-0.13	0.00
138.00	-2.25	-0.35	0.00	-2.92	0.00	2.92	2,286.70	540.17	1,514	1,456.87	1.96	-0.13	0.00
138.92	-2.19	-0.34	0.00	-2.60	0.00	2.60	2,262.57	534.47	1,482	1,426.13	1.98	-0.13	0.00
138.92	-2.19	-0.34	0.00	-2.60	0.00	2.60	1,142.07	321.97	896	725.71	1.98	-0.13	0.01
140.00	-1.73	-0.27	0.00	-2.23	0.00	2.23	1,134.75	317.95	874	712.00	2.01	-0.13	0.01
141.30	-1.51	-0.24	0.00	-1.88	0.00	1.88	1,125.71	313.12	848	695.52	2.05	-0.13	0.00
144.30	-1.43	-0.23	0.00	-1.16	0.00	1.16	1,103.89	301.95	788	657.57	2.13	-0.13	0.00
145.00	-0.91	-0.15	0.00	-1.00	0.00	1.00	1,098.60	299.35	775	648.74	2.15	-0.13	0.00
150.00	-0.68	-0.11	0.00	-0.26	0.00	0.26	1,058.70	280.75	682	586.08	2.28	-0.13	0.00
150.30	-0.50	-0.08	0.00	-0.22	0.00	0.22	1,056.19	279.63	676	582.35	2.29	-0.13	0.00
153.00	0.00	-0.08	0.00	0.00	0.00	0.00	1,032.96	269.59	629	548.94	2.37	-0.13	0.00

ASSET: 413118, POUNDRIDGE NY
 CUSTOMER: SPRINT NEXTEL

CODE: ANS/TIA-222-H
 ENG NO:

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 + 1.0W Normal	83.76	0.00	71.88	0.00	0.00	8222.78	0.00	0.65
0.9D + 1.0W Normal	83.74	0.00	53.89	0.00	0.00	8194.96	0.00	0.65
1.2D + 1.0Di + 1.0Wi Normal	23.59	0.00	91.47	0.00	0.00	2337.60	0.00	0.19
1.2D + 1.0Ev + 1.0Eh Normal	3.05	0.00	72.44	0.00	0.00	311.49	0.00	0.03
0.9D - 1.0Ev + 1.0Eh Normal	3.05	0.00	48.78	0.00	0.00	310.12	0.00	0.03
1.0D + 1.0W Service Normal	20.40	0.00	59.97	0.00	0.00	1999.05	0.00	0.16

Flange Plate Analysis

Flange Plate

Plate Type	Plate	@ 139 ft
Pole Diameter	31	in
Pole Thickness	0.1875	in
Plate Diameter	38	in
Plate Thickness	1	in
Plate Fy	65	ksi
Weld Length	0.25	in
f _s Resistance Applied	38.56	k-in
	24.44	k-in

Code Rev.	G
Moment	181.8 k-ft
Axial	2.3 k

Date	10/15/2021
Engineer	AR
Site #	413118
Carrier	AT&T Mobility

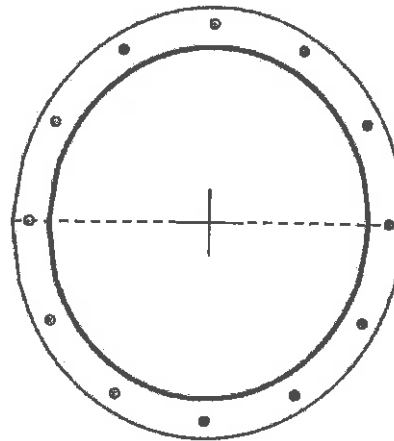
Required Flange Thickness:
0.53 in OK

SUPPORT

#

BOLTS

#	12
Bolt Circle (R)adial / (S)quare	35 R
Diameter	1 in
Hole Diameter	1.125 in
Type	A325
Fy	92 ksi
Fu	120 ksi
f _s Resistance Applied	54.52 k
	20.58 k



REINFORCEMENT

#

Plate Stress Ratio:
28% Pass

Bolt Stress Ratio:
38% Pass

EXTRA BOLTS

#

Site Name: POUNDRIE NY, NY
 Site Number: 413118
 Tower Type: MP
 Design Loads (Factored) - Analysis per TIA-222-H Standards

Monolithic Mat & Pier Foundation Analysis

Foundation Analysis Parameters

Design / Analysis / Mapping:	Analysis	-
Compression/Leg:	71.9	k
Uplift/Leg:	0.0	k
Total Shear:	93.8	k
Moment:	8,222.8	k-ft
Tower + Appurtenance Weight:	71.9	k
Depth to Base of Foundation (l + t - h):	6.25	ft
Diameter of Pier (d):	9	ft
Length of Pier (l):	1	ft
Height of Pier above Ground (h):	1.75	ft
Width of Pad (W):	35	ft
Length of Pad (L):	35	ft
Thickness of Pad (t):	4	ft
Tower Leg Center to Center:	0	ft
Number of Tower Legs:		-
Tower Center from Mat Center:	0	ft
Depth Below Ground Surface to Water Table:	99	ft
Unit Weight of Concrete:	150	pcf
Unit Weight of Soil Above Water Table:	110	pcf
Unit Weight of Water:	62.4	pcf
Unit Weight of Soil Below Water Table:	47.6	pcf
Friction Angle of Uplift:	15	°
Coefficient of Shear Friction:	0.35	-
Ultimate Compressive Bearing Pressure:	30,000	psf
Ultimate Passive Pressure on Pad Face:	0	psf
$f_{\text{Soil and Concrete Weight}}$:	0.9	-
f_{Soil} :	0.75	-

Overturning Moment Usage

Design OTM:	8893.2	k-ft
OTM Resistance:	18091.3	k-ft
Design OTM / OTM Resistance:	49%	Pass

Soil Bearing Pressure Usage

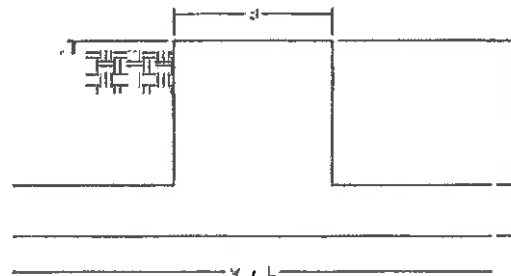
Net Bearing Pressure:	2240	psf
Factored Nominal Bearing Pressure:	2500	psf
Factored Nominal (Net) Bearing Pressure:	10%	Pass
Load Direction Controlling Design Bearing Pressure:	Discontinuity to Pier Edge	

Sliding Factor of Safety

Ultimate Friction Resistance:	392.2	k
Ultimate Passive Pressure Resistance:	0.1	k
Total Factored Sliding Resistance:	293.2	k
Sliding Design / Sliding Resistance:	28%	Pass

Foundation Steel Parameters

Shear/Leg (Compression):	55.9	k
Shear/Leg (Uplift):	46.1	k
Concrete Strength (f_c):	4,000	psi
Pad Tension Steel Depth:	4.31	in
Dead Load Factor:	0.9	-
f_{Shear} :	0.75	-
$f_{\text{Tension / Tension}}$:	0.9	-
$f_{\text{Compression}}$:	0.65	-
b:	0.85	-
Bottom Pad Rebar Size #:	11	-
# of Bottom Pad Rebar:	40	-
Pad Bottom Steel Area:	52.40	in ²
Pad Steel F_y :	60,000	psi
Top Pad Rebar Size #:	11	-
# of Top Pad Rebar:	40	-
Pad Top Steel Area:	62.40	in ²
Pier Rebar Size #:	11	-
Pier Steel Area (Single Bar):	1.56	in ²
# of Pier Rebar:	46	-
Pier Steel F_y :	60,000	psi
Pier Cage Diameter:	99.4	in
Rebar Strain Limit:	0.008	-
Steel Elastic Modulus:	29,000	ksi
Tie Rebar Size #:	5	-
Tie Steel Area (Single Bar):	0.31	in ²
Tie Spacing:	10.5	in
Tie Steel F_y :	60,000	psi
Clear Cover:	3	in



Pad Strength Capacity

Factored One Way Shear (V_u):	560.6	k	
One Way Shear Capacity (ϕV_c):	1765.6	k	ACI 318-14 25.5.5.1
$V_u / \phi V_c$:	32%		Pass
Load Direction Controlling Shear Capacity:	Parallel to Pad Edge		
Lower Steel Pad Factored Moment (M_u):	5195.3	k-ft	
Lower Steel Pad Moment Capacity (ϕM_n):	12130.2	k-ft	ACI 318-14 22.3.1.1
$M_u / \phi M_n$:	43%		Pass
Load Direction Controlling Flexural Capacity:	Perp to Pad Edge		
Upper Steel Pad Factored Moment (M_u):	2456.7	k-ft	
Upper Steel Pad Moment Capacity (ϕM_n):	12130.1	k-ft	
$M_u / \phi M_n$:	20%		Pass
Lower Pad Flexural Reinforcement Ratio:	0.0034		OK - ACI 318-14 7.6.1.1 & 8.6.1.1
Upper Pad Flexural Reinforcement Ratio:	0.0034		OK - ACI 318-14 7.6.1.1 & 8.6.1.1
Pad Shrinkage Reinforcement Ratio:	0.0067		OK - ACI 318-14 24.4.3.2
Lower Pad Reinforcement Spacing:	11.4	in	OK - ACI 318-14 7.7.2.3, 8.7.2.2, & 24.4.3.3
Upper Pad Reinforcement Spacing:	10.6	in	NG - ACI 318-14 7.7.2.3, 8.7.2.2, & 24.4.3.3
Ultimate Punching Shear Stress, v_u :	37.30	psi	ACI 318-14 RB.4.4.2.3
Nominal Punching Shear Capacity (ϕv_c):	189.7	psi	ACI 318-14 22.6.5.2
$v_u / \phi v_c$:	20%		Pass
Pier Moment Pad Flexure Transfer Ratio, ψ :	0.60		TIA-222-H 9.4.2
Moment Transfer Effective Flexural Width, B_{eff} :	21.00	ft	TIA-222-H 9.4.2
Moment Transfer Through Pad Flexure:	61617.60	k-in	TIA-222-H 9.4.2
Moment Transfer Flexural Capacity ($\phi M_{sc,t}$):	90094.37	k-in	
$B_{eff} M_{sc,t} / \phi M_{sc,t}$:	0%		Pass

Pier Strength Capacity

Factored Moment in Pier (M_u):	552.0	k-ft	
Pier Moment Capacity (ϕM_n):	995.1	k-ft	
$M_u / \phi M_n$:	55%		Pass
Factored Shear in Pier (V_u):	93.8	k	
Pier Shear Capacity (ϕV_n):	1102.1	k	ACI 318-14 22.5.1.1
$V_u / \phi V_n$:	8%		Pass
Pier Shear Reinforcement Ratio:	0.0003		OK - No Ties Necessary for Shear - ACI 11.5.6.1
Factored Tension in Pier (T_u):	0.0	k	
Pier Tension Capacity (ϕT_n):	3875.0	k	
$T_u / \phi T_n$:	0%		Pass
Factored Compression in Pier (P_u):	71.9	k	
Pier Compression Capacity (ϕP_n):	1118.2	k	ACI 318-14 22.4.2.1
$P_u / \phi P_n$:	0%		Pass
Pier Compression Reinforcement Ratio:	0.008		OK - TIA-222-H 9.4.1
Minimum Depth to Develop Vertical Rebar:	5.8	in	ACI 318-14 25.4.2.3
Minimum Hook Development Length:	27	in	ACI 318-14 25.4.3.1
Minimum Mat Thickness / Edge Distance from Pier:	30.0	in	
Minimum Foundation Depth:	6.02	ft	
$M_u / \phi M_n + T_u / \phi T_n$:	55%		Pass



AMERICAN TOWER®
CORPORATION

Mount Analysis Report

ATC Site Name : POUNDRIDGE NY, NY
ATC Site Number : 413118
Engineering Number : 13714510_C8_03
Mount Elevation : 128 ft
Carrier : Sprint Nextel
Carrier Site Name : NJ01429A
Carrier Site Number : NJ01429A
Site Location : 29 Adams Lane
Pound Ridge, NY 10576-1507
41.22272777 , -73.57160277
County : Westchester
Date : November 19, 2021
Max Usage : 66%
Result : Pass

Prepared By:
Alan Samboy
Structural Engineer

Alan Samboy

Reviewed By:



COA: 0012746



Table of Contents

Introduction 1

Supporting Documents 1

Analysis 1

Conclusion 1

Application Loading 2

Structure Usages 2

Mount Layout 3

Equipment Layout 4

Standard Conditions 5

Calculations Attached



Introduction

The purpose of this report is to summarize results of the mount analysis performed for Sprint Nextel at 128 ft.

Supporting Documents

Tower Drawings	Engineered Endeavors Inc., Project #13328, dated 11/16/2005
Radio Frequency Data Sheet	RFDS ID #NJ01429A, dated October 26, 2021
Reference Photos	Site photos from 2021

Analysis

This mount was analyzed using American Tower Corporation's Mount Analysis Program and RISA-3D

Basic Wind Speed:	115 mph (3-Second Gust)
Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ 1" radial ice concurrent
Codes:	ANSI/TIA-222-H / 2018 IBC / 2020 New York Building Code
Exposure Category:	B
Risk Category:	II
Topographic Factor Procedure:	Method 2
Feature:	Flat
Crest Height (H):	0 ft
Crest Length (L):	0 ft
Spectral Response:	Ss = 0.259, S1 = 0.059
Site Class:	D - Stiff Soil
Live Loads:	Lm = 500 lbs, Lv = 250 lbs

Conclusion

Based on the analysis results, the antenna mount meets the requirements per the applicable codes listed above. The mount 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.



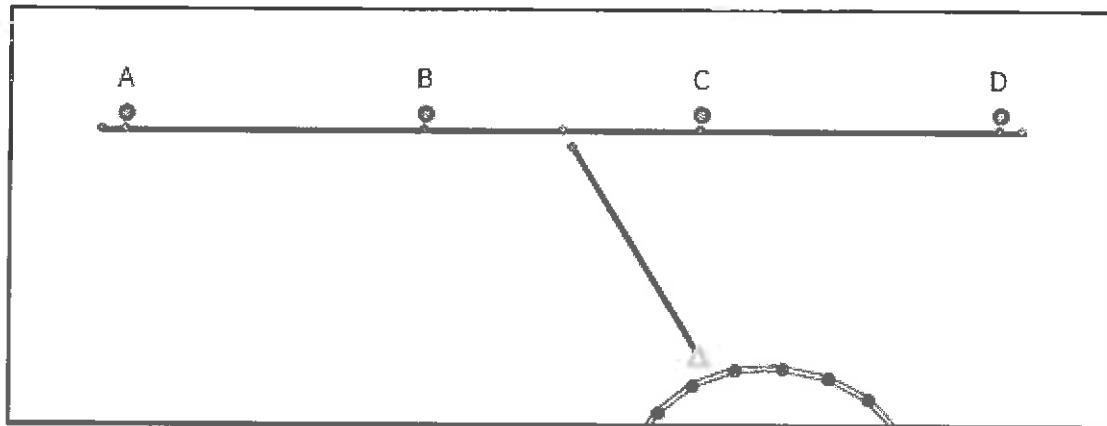
Application Loading

Mount Centerline (ft)	Equipment Centerline (ft)	Qty	Equipment Manufacturer & Model
128.0	128.0	3	RFS APXVAALL24 43-U-NA20
		3	RFS APX16DWV-16DWVS-E-A20
		3	Ericsson Air6449 B41
		3	Ericsson Radio 4460 B25+B66
		3	Ericsson Radio 4480 B71+B85A

Structure Usages

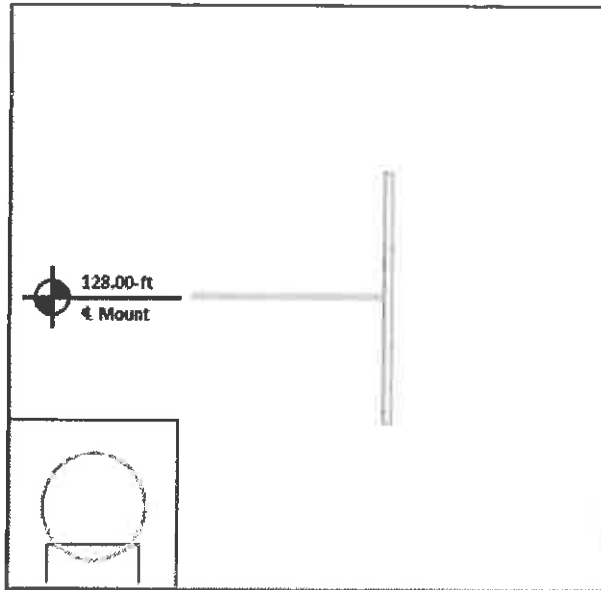
Structural Component	Controlling Usage	Pass/Fail
Horizontals	66%	Pass
Verticals	37%	Pass
Mount Pipes	35%	Pass
Serviceability	N/A	Pass

Mount Layout

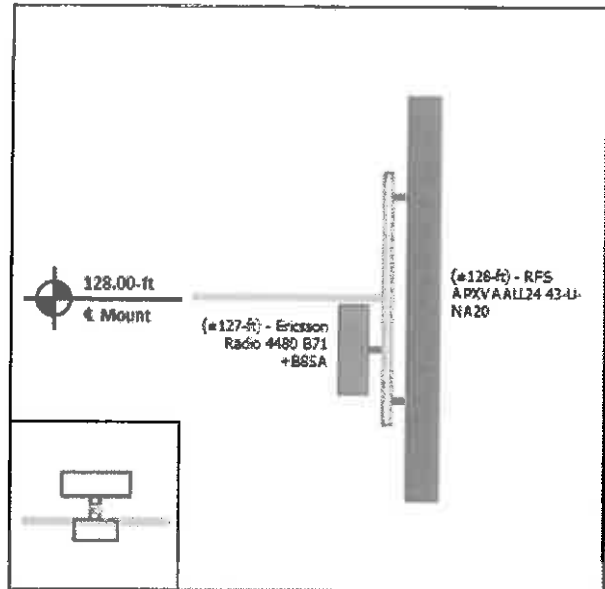


Equipment Layout

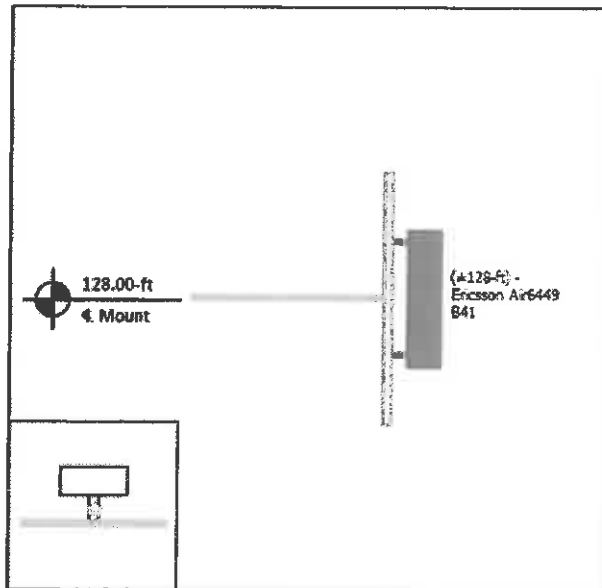
Mount Pipe A



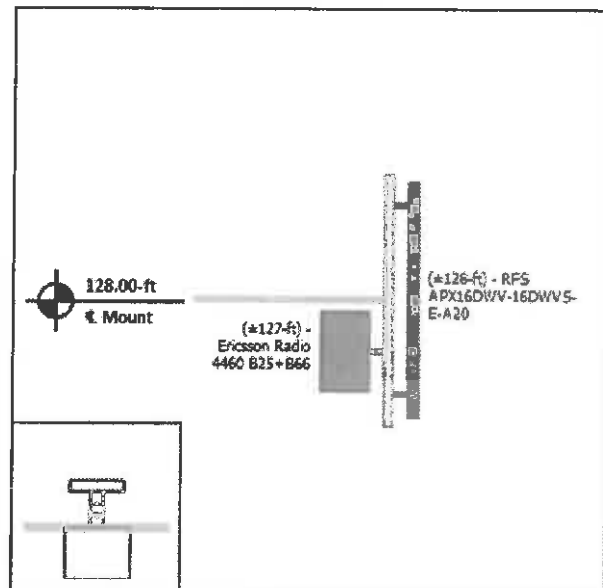
Mount Pipe B



Mount Pipe C



Mount Pipe D





Standard Conditions

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

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

It is the responsibility of the client to ensure that the information provided to A.T. Engineering Service, PLLC and used in the performance of our engineering services is correct and complete.

American Tower assumes that all structures were constructed in accordance with the drawings and specifications.

All connections are to be verified for condition and tightness by the installation contractor preceding any changes to the appurtenance mounting system and/or equipment attached to it.

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

Installation of all equipment and steel should be confirmed not to cause tower conflicts nor impede the tower climbing pegs.

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



Site Number: 413118
 Project Number: 13714510_C8_03
 Carrier: Sprint Nextel
 Mount Elevation: 128 ft
 Date: 11/19/2021

Mount Analysis Force Calculations

Wind & Ice Load Calculations			
Velocity Pressure Coefficient	K_z	1.06	
Topographic Factor	K_{zt}	1.00	
Rooftop Wind Speed-up Factor	K_s	1.00	
Shielding Factor	K_a	0.90	
Ground Elevation Factor	K_e	0.98	
Wind Direction Probability Factor	K_d	0.95	
Basic Wind Speed	V	115	mph
Velocity Pressure	q_z	33.3	psf
Height Escalation Factor	K_{iz}	1.15	
Thickness of Radial Glaze Ice	T_{iz}	1.15	in

Seismic Load Calculations			
Short Period DSRAP	S_{Ds}	0.276	
1 Second DSRAP	S_{D1}	0.094	
Importance Factor	I	1.0	
Response Modification Coefficient	R	2.0	
Seismic Response Coefficient	C_s	0.138	
Amplification Factor	A	1.0	
Total Weight	W	675.5	lbs
Total Shear Force	V_s	93.2	lbs
Horizontal Seismic Load	E_h	93.2	lbs
Vertical Seismic Load	E_v	37.3	lbs

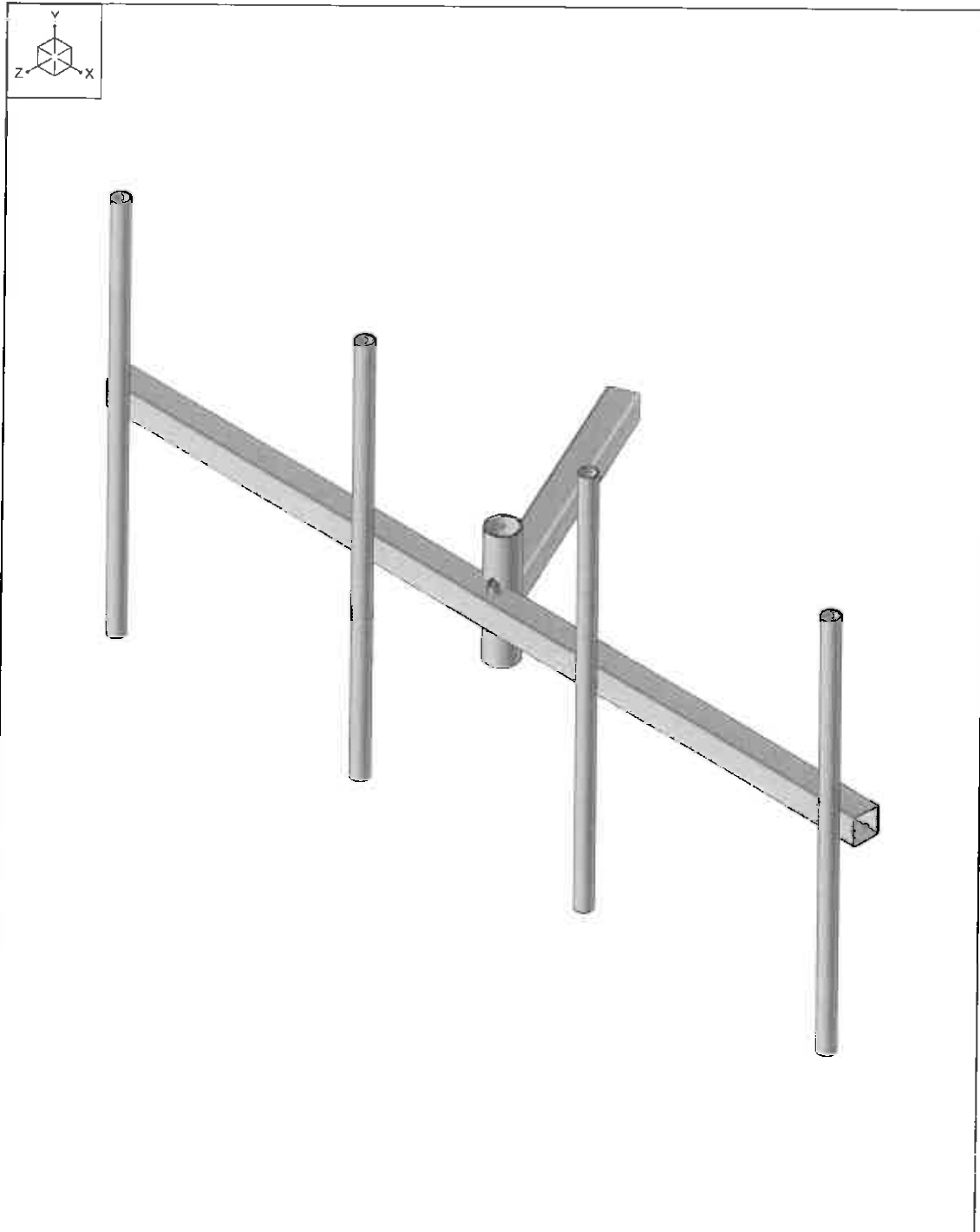
Antenna Calculations (Elevations per Application/RFDS)*								
Equipment	Height	Width	Depth	Weight	EPA _N	EPA _L	EPA _W	EPA _T
Model #	in	in	in	lbs	sqft	sqft	sqft	sqft
RFS APXVAALL24 43-U-NA20	95.9	24.0	8.5	122.8	20.24	3.40	22.70	4.41
RFS APX16DWV-16DWVS-E-A20	55.9	13.3	3.1	40.7	6.59	1.26	8.04	2.28
Ericsson Air6449 B41	33.1	20.6	8.6	104.0	5.68	1.56	6.75	2.11
Ericsson Radio 4460 B25+B66	19.6	15.7	12.1	109.0	2.56	1.98	3.28	2.63
Ericsson Radio 4480 B71+B85A	21.8	15.7	7.5	84.0	2.85	1.38	3.61	2.00

* Equipment with EPA values N/A were not considered in the mount analysis



Company : American Tower Corp.
Designer : Alan.Sambo
Job Number : 13714510_C8_03
Model Name : 413118, POUNDRIDGE NY

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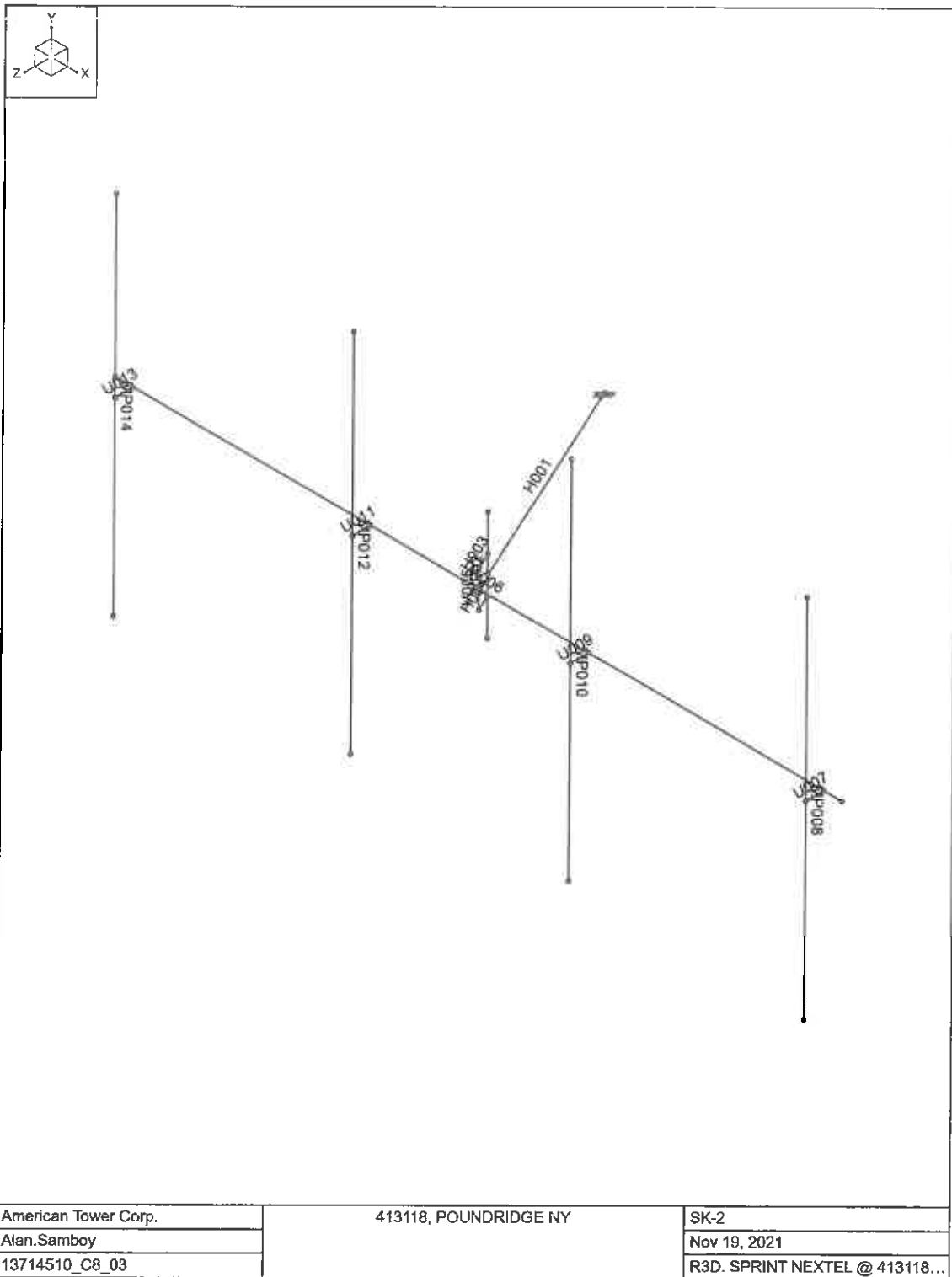


American Tower Corp.	413118, POUNDRIDGE NY	SK-1
Alan.Sambo		Nov 19, 2021
13714510_C8_03		R3D. SPRINT NEXTEL @ 413118...



Company : American Tower Corp.
 Designer : Alan.Sambo
 Job Number : 13714510_C8_03
 Model Name : 413118, POUNDRIDGE NY

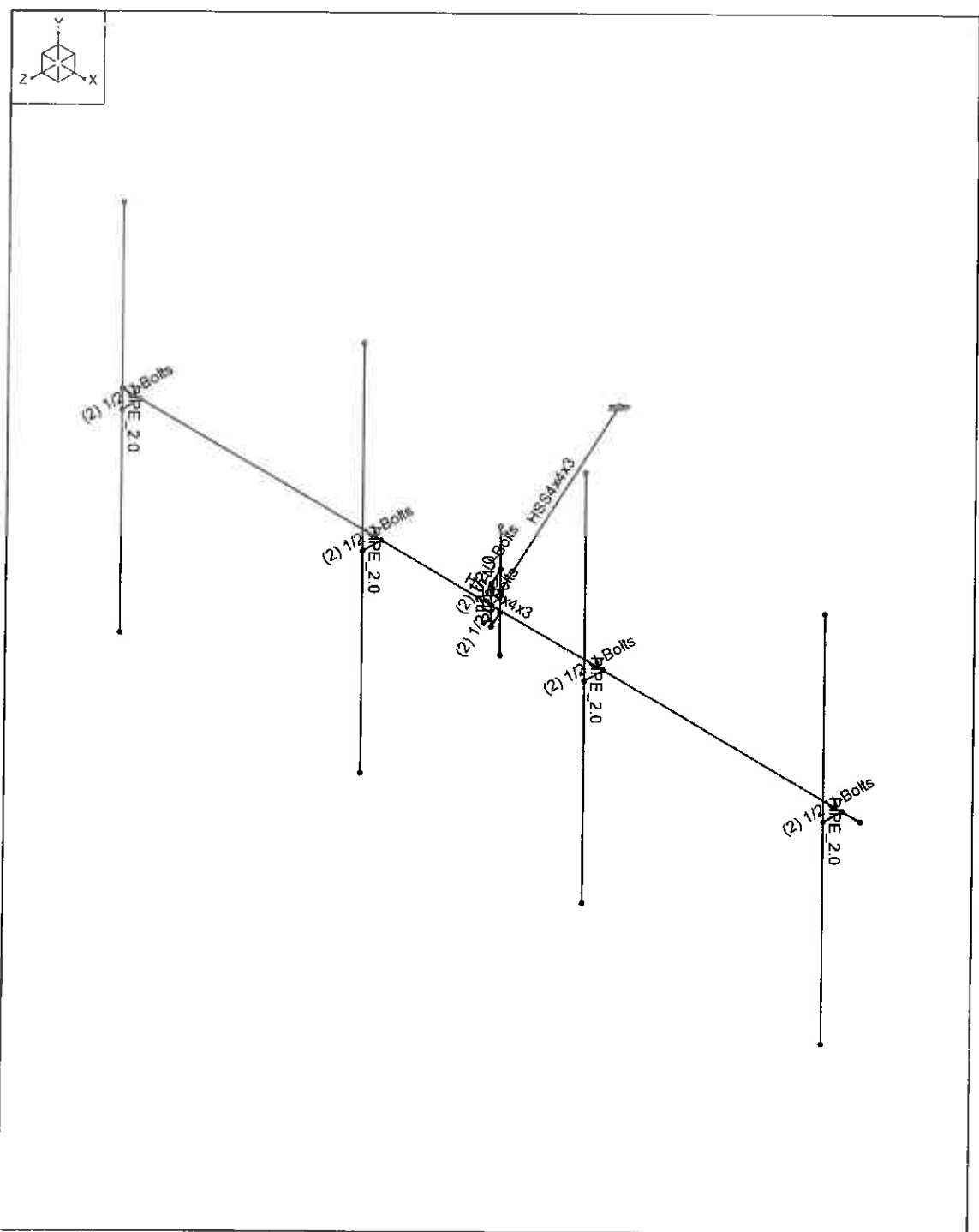
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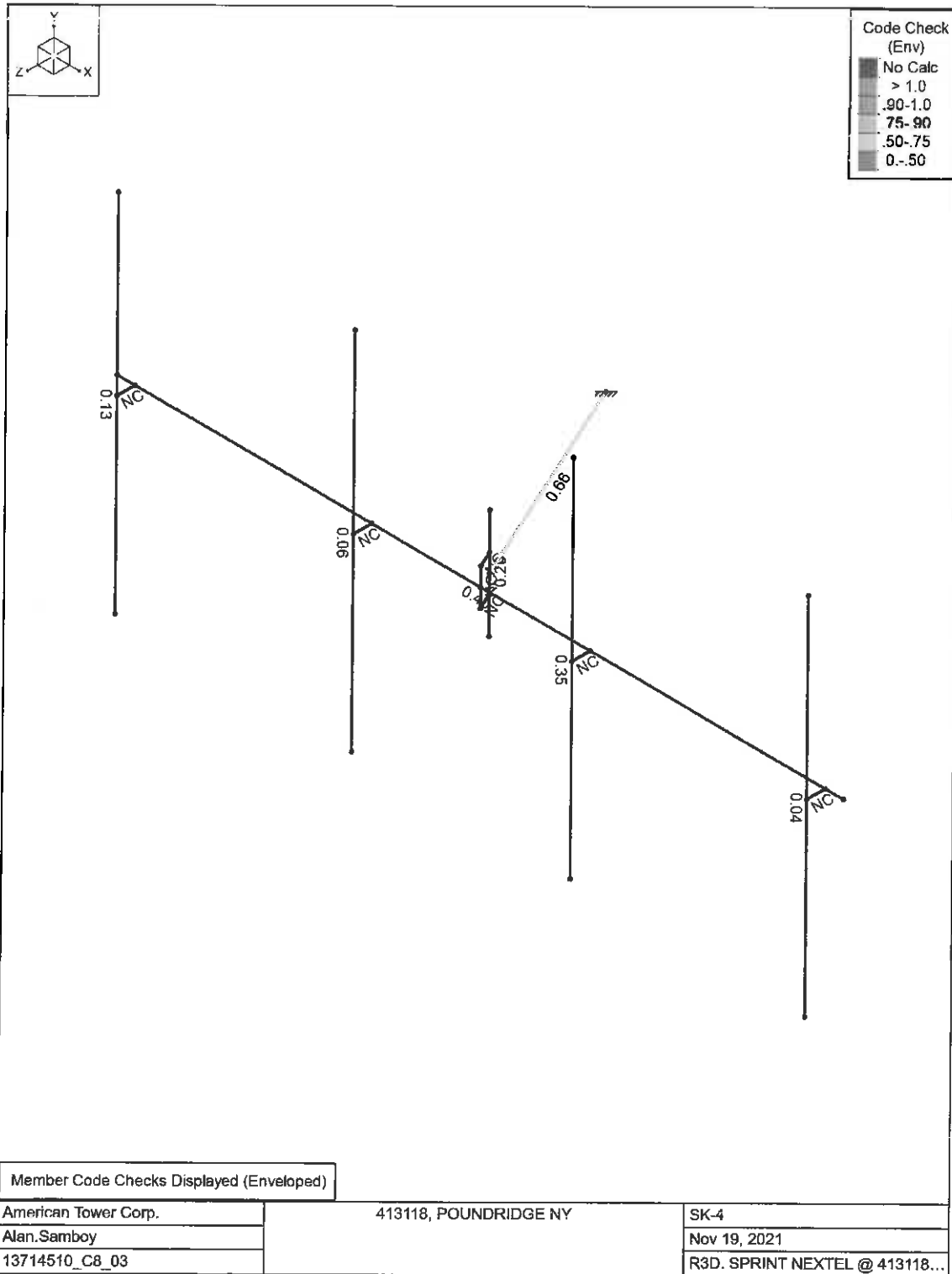


Company : American Tower Corp.
 Designer : Alan.Sambo
 Job Number : 13714510_C8_03
 Model Name : 413118, POUNDRIDGE NY

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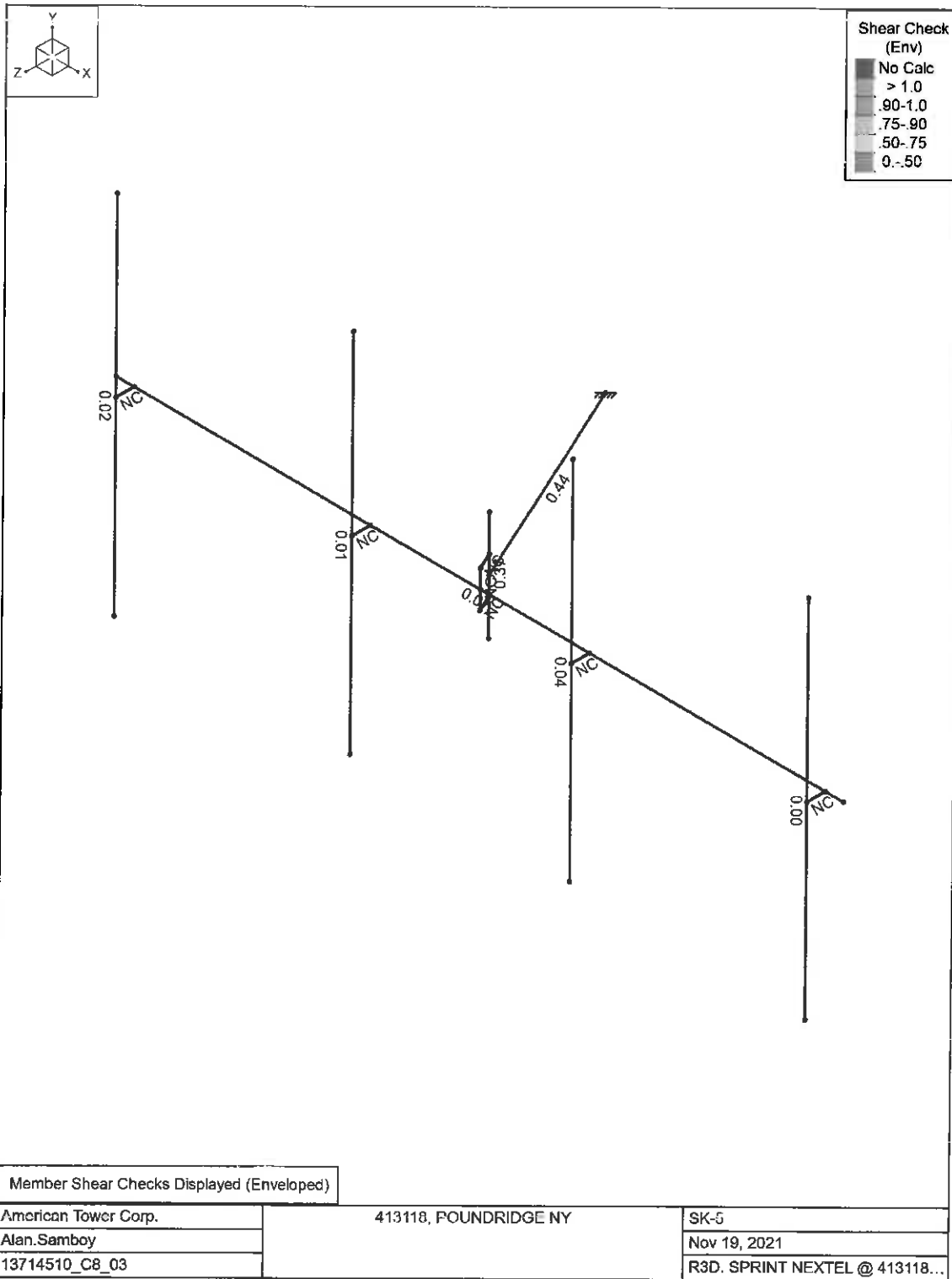
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Alan.Sambo		Nov 19, 2021
13714510_C8_03		R3D. SPRINT NEXTEL @ 413118...





Company : American Tower Corp.
 Designer : Alan.Sambo
 Job Number : 13714510_C8_03
 Model Name : 413118, POUNDRIDGE NY

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Company : American Tower Corp.
 Designer : Alan.Sambo
 Job Number : 13714510_C8_03
 Model Name : 413118, POUNDRIDGE NY

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Node Boundary Conditions

Node Label	X [lb/in]	Y [lb/in]	Z [lb/in]	X Rot [k-in/rad]	Y Rot [k-in/rad]	Z Rot [k-in/rad]
1] N001	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction

Member Primary Data

	Label	I Node	J Node	Section/Shape	Type	Design List	Material	Design Rule
1	H001	N001	N002	HSS4x4x3	Beam	None	A500 Gr. B [SQR]	Typical
2	V002	N004	N003	PIPE_4.0	Column	None	A53 Gr. B	Typical
3	H003	N005	N006	(2) 1/2 U-Bolts	Beam	None	A36	Typical
4	H004	N007	N008	(2) 1/2 U-Bolts	Beam	None	A36	Typical
5	V005	N008	N006	RIGID	None	None	RIGID	Typical
6	H006	N010	N011	HSS4x4x3	Beam	None	A500 Gr. B [SQR]	Typical
7	U007	N012	N016	(2) 1/2 U-Bolts	Beam	None	A36	Typical
8	MP008	N017	N018	PIPE_2.0	Column	None	A53 Gr. B	Typical
9	U009	N013	N019	(2) 1/2 U-Bolts	Beam	None	A36	Typical
10	MP010	N020	N021	PIPE_2.0	Column	None	A53 Gr. B	Typical
11	U011	N014	N022	(2) 1/2 U-Bolts	Beam	None	A36	Typical
12	MP012	N023	N024	PIPE_2.0	Column	None	A53 Gr. B	Typical
13	U013	N015	N025	(2) 1/2 U-Bolts	Beam	None	A36	Typical
14	MP014	N026	N027	PIPE_2.0	Column	None	A53 Gr. B	Typical

Member Advanced Data

	Label	Physical	Deflection Ratio Options	Activation	Seismic DR
1	H001	Yes	N/A		None
2	V002	Yes	** NA **		None
3	H003	Yes	N/A	Exclude	None
4	H004	Yes	N/A	Exclude	None
5	V005	Yes	** NA **		None
6	H006	Yes	N/A		None
7	U007	Yes	N/A	Exclude	None
8	MP008	Yes	** NA **		None
9	U009	Yes	N/A	Exclude	None
10	MP010	Yes	** NA **		None
11	U011	Yes	N/A	Exclude	None
12	MP012	Yes	** NA **		None
13	U013	Yes	N/A	Exclude	None
14	MP014	Yes	** NA **		None

Hot Rolled Steel Design Parameters

	Label	Shape	Length [in]	Lb y-y [in]	Lb z-z [in]	Lcomp top [in]	L-Torque [in]	K y-y	K z-z	Function
1	H001	HSS4x4x3	39			Lbyy		2.1	2.1	Lateral
2	V002	PIPE_4.0	18			Lbyy		2.1	2.1	Lateral
3	H003	(2) 1/2 U-Bolts	3			Lbyy		2.1	2.1	Lateral
4	H004	(2) 1/2 U-Bolts	3			Lbyy		2.1	2.1	Lateral
5	H006	HSS4x4x3	120			Lbyy		2.1	2.1	Lateral
6	U007	(2) 1/2 U-Bolts	3			Lbyy		0.5	0.5	Lateral
7	MP008	PIPE_2.0	60	Segment	Segment	Lbyy	Segment	2.1	2.1	Lateral
8	U009	(2) 1/2 U-Bolts	3			Lbyy		0.5	0.5	Lateral
9	MP010	PIPE_2.0	60	Segment	Segment	Lbyy	Segment	2.1	2.1	Lateral
10	U011	(2) 1/2 U-Bolts	3			Lbyy		0.5	0.5	Lateral
11	MP012	PIPE_2.0	60	Segment	Segment	Lbyy	Segment	2.1	2.1	Lateral
12	U013	(2) 1/2 U-Bolts	3			Lbyy		0.5	0.5	Lateral
13	MP014	PIPE_2.0	60	Segment	Segment	Lbyy	Segment	2.1	2.1	Lateral



Company : American Tower Corp.
 Designer : Alan Samboj
 Job Number : 13714510_C8_03
 Model Name : 413118, POUNDRIDGE NY

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Hot Rolled Steel Properties

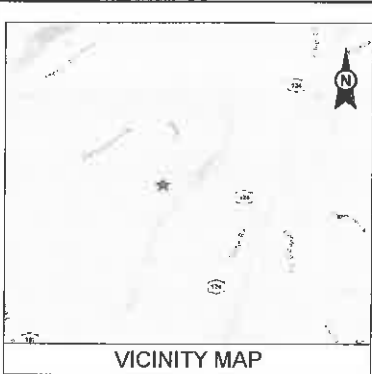
	Label	E [psi]	G [psi]	Nu	Therm. Coeff. [1e ⁻⁶ F ⁻¹]	Density [lb/ft ³]	Yield [psi]	Ry	Fu [psi]	Rt
1	A500 Gr B [SQR]	2.9e+07	1.115e+07	0.3	0.65	527	46000	1.4	58000	1.3
2	A53 Gr. B	2.9e+07	1.115e+07	0.3	0.65	490	35000	1.6	60000	1.2
3	A36	2.9e+07	1.115e+07	0.3	0.65	490	36000	1.5	58000	1.2

Envelope Node Reactions

Node Label		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [lb-ft]	LC	MY [lb-ft]	LC	MZ [lb-ft]	LC	
1	N001	max	991.719	18	1611.074	27	1357.31	2	-1878.025	20	3878.829	7	5224.057	67
2		min	-991.719	12	606.708	21	-1357.31	20	-5337.102	27	-3903.56	25	-2010.917	109
3	Totals	max	991.719	18	1611.074	27	1357.31	2						
4		min	-991.719	12	606.708	21	-1357.31	20						

Envelope AISC 15TH (360-16): LRFD Member Steel Code Checks

Member	Shape	Code Check	Loc[in]	LC	Shear Check	Loc[in]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-y [lb-ft]	phi*Mn z-z [lb-ft]	Cb	Eqn
1	H001	HSS4x4x3	0.655	0	70	0.435	0	y	111	88553.988	106812	12661.5	12661.5	1.408 H3-6
2	V002	PIPE 4.0	0.202	9	111	0.366	9		109	90327.022	93240	10631.25	10631.25	1.923 H1-1b
3	H006	HSS4x4x3	0.397	60	101	0.067	60	y	112	22091.762	106812	12661.5	12661.5	1.581 H1-1b
4	MP008	PIPE_2.0	0.045	28.75	73	0.002	28.75	73		23593.813	32130	1871.625	1871.625	2.969 H1-1b
5	MP010	PIPE_2.0	0.348	29.375	8	0.037	29.375	7		22576.779	32130	1871.625	1871.625	1.644 H1-1b
6	MP012	PIPE_2.0	0.061	29.375	7	0.01	29.375	7		22576.779	32130	1871.625	1871.625	3 H1-1b
7	MP014	PIPE_2.0	0.134	29.375	7	0.017	29.375	7		22576.779	32130	1871.625	1871.625	2.47 H1-1b



ATC SITE NAME: POUNDRIDGE NY
 ATC SITE NUMBER: 413118
 T-MOBILE SITE NAME: NJ01429A
 T-MOBILE SITE NUMBER: NJ01429A
 SITE ADDRESS: 29 ADAMS LANE
 POUND RIDGE, NY 10576-1507



H2G
HUDSON
 Design Group LLC

43 BEECHWOOD DRIVE TEL: (978) 587-5533
 N. ANDOVER, MA 01845 FAX: (978) 536-5584

REV	DESCRIPTION	BY	DATE
1	ISSUE	AKG	10/22/21
2	REVISED	JL	11/02/21

T-MOBILE REPLACEMENT ANTENNA AMENDMENT PLAN
67E5A998E P6230 CONFIGURATION

COMPLIANCE CODE	PROJECT SUMMARY	PROJECT DESCRIPTION	SHEET INDEX									
ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNMENT AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES. 1. 2020 INTERNATIONAL BUILDING CODE (IBC) 2. 2017 NATIONAL ELECTRIC CODE (NEC) 3. LOCAL BUILDING CODE 4. CITY/COUNTY ORDINANCES	SITE ADDRESS: 29 ADAMS LANE POUND RIDGE, NY 10576-1507 COUNTY: WESTCHESTER	THE PROPOSED PROJECT INCLUDES MODIFYING GROUND BASED AND TOWER MOUNTED EQUIPMENT AS INDICATED PER BELOW. REMOVE WORK: REMOVE (2) ANTENNAS, (2) RRHs, (2) 1-1/4" COAX CABLES AND (2) 1-5/8" COAX CABLES INSTALL: (2) ANTENNAS, (2) RRHs, AND (2) 8X24 4AWG CABLES GROUND WORK: INSTALL (1) RR RACK, (1) 4250 POWER PLANT, (1) RBS 5801, (2) 8X 8X 8, (1) DUGS, (1) PSU 4415, AND (1) CRK INH V2 (GEN2)	SHEET NO	DESCRIPTION	REV	DATE	BY					
	GEOGRAPHIC COORDINATES: LATITUDE: 41.23272777 LONGITUDE: -73.57169277 GROUND ELEVATION: 865' AMSL		PROJECT NOTES 1. THE FACILITY IS UNMANNED. 2. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE. 3. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE. 4. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED. 5. HANDICAP ACCESS IS NOT REQUIRED. 6. THE PROJECT DEPICTED IN THESE PLANS QUALIFIES AS AN ELIGIBLE FACILITIES REQUEST ENTITLED TO EXPEDITED REVIEW UNDER 47 U.S.C. § 1455(a) AS A MODIFICATION OF AN EXISTING WIRELESS TOWER THAT INVOLVES THE COLLOCATION, REMOVAL AND/OR REPLACEMENT OF TRANSMISSION EQUIPMENT THAT IS NOT A SUBSTANTIAL CHANGE UNDER CFR § 1.81000 (b)(7).	G-001	TITLE SHEET	0	11/29/21	TR				
	PROJECT TEAM TOWER OWNER: AMERICAN TOWER, 10 PRINCEDENTIAL WAY, WOBURN, MA 01801 APPLICANT: T-MOBILE, 103 MONARCH DRIVE, LIVERPOOL, NY 13088 ENGINEER: HUDSON DESIGN GROUP, LLC, 45 BEECHWOOD DRIVE, NORTH ANDOVER, MA 01845 PROPERTY OWNER: OLD STONE HILL RD ASSOCIATES INC, 25 ADAMS LANE, POUND RIDGE, NY 10576		SHEET INDEX G-002 GENERAL NOTES C-101 DETAILED SITE PLAN C-102 EXISTING & PROPOSED EQUIPMENT PLAN C-201 TOWER ELEVATION C-401 ANTENNA INFORMATION & SCHEDULE C-501 CONSTRUCTION DETAILS S-101 GROUNDING DETAILS R-401 SUPPLEMENTAL R-502 SUPPLEMENTAL	G-001	G-002	C-101	C-102	C-201	C-401	C-501	S-101	R-401
UTILITY COMPANIES POWER COMPANY: NYSEG, PHONE: (909) 930-0500 TELEPHONE COMPANY: VERIZON, PHONE: (909) 933-0062	PROJECT LOCATION DIRECTIONS FROM RT 884 TAKE EXIT FOR HWY 172 EAST, TAKE 172 TO END AT T INTERSECTION AND MAKE LEFT ON RT 124 (SALM RD). MAKE LEFT ON OLD STONE HILL RD, MAKE LEFT ON ADAMS LANE TOP OF HILL TAKE SERVICE ROAD ON LEFT TO SITE.											

ATC SITE NUMBER: 413118
 ATC SITE NAME: POUNDRIDGE NY
 T-MOBILE SITE NAME: NJ01429A
 SITE ADDRESS: 29 ADAMS LANE, POUND RIDGE, NY 10576-1507

REAL:

T-Mobile

DATE DRAWN: 10/22/21
 ATC JOB NO: 13714510_G3
 CUSTOMER ID: NJ01429A
 CUSTOMER #: NJ01429A

TITLE SHEET

SHEET NUMBER: **G-001** REVISION: **0**



GENERAL CONSTRUCTION NOTES:

1. OWNER FURNISHED MATERIALS TABLE "THE COMPANY" HAS PROVIDED AND THE CONTRACTOR WILL INSTALL
 - A. SITE EQUIPMENT FRAME (PLATFORM) AND ROOF/SHED DUTCH ROOF (GROUND SURFACE LOCATED ONLY)
 - B. ADULTERATION/INTERFACE BOX (MPE)
 - C. E-SEVERE CABLE TRAY WITH COVER (GROUND BUILDING LOCATED ONLY, GC TO FURNISH AND INSTALL FOR ROOF INSTALLATION)
 - D. TOWERING MONOPILES
 - E. TOWER LIGHTING
 - F. GENERATORS & FUEL TANK
 - G. ANTENNA STANDARDS BRACKETS, FRAMES AND PIPES FOR MOUNTING
 - H. ANTENNAS (INSTALLED BY OTHERS)
 - I. TRANSMISSION LINE
 - J. TRANSMISSION LINE JUMPERS
 - K. TRANSMISSION LINE CONDUITS WITH WEATHERPROOFING FITS
 - L. TRANSMISSION LINE GROUND WTS
 - M. HAZARDS
 - N. HOISTING WIRTS
 - O. SITE EQUIPMENT
2. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL OTHER MATERIALS FOR THE COMPLETE INSTALLATION OF THE SITE INCLUDING, BUT NOT LIMITED TO, SUCH MATERIALS AS: FENCING, CONCRETE, STEEL SUPPORTING STRUCTURE FOR PLATFORM, PILING, LADDER AND LUMINAL, GROUNDING IN ALL DRAWINGS AND WHERE CONFLICTS OR NOT CHANGING, GROUND, BUSH BARS, TRANSFORMERS AND DISCONNECT SWITCHES WHERE APPLICABLE, TEMPORARY ELECTRICAL POWER, CONDUIT, LAMPING AND CONDUIT, STONE, GRANITE, CORE DRILLING, SILICONES AND RUBBER MATING, RESIN, CONCRETE CASINGS, PIGS AND/OR ANGLE MOUNTS, MISCELLANEOUS FASTENERS, CHOLESTOLS, NON-STRANDED ANTENNA TUBES AND ALL OTHER MATERIAL AND LABOR REQUIRED TO COMPLETE THE JOB ACCORDING TO THE DRAWINGS AND SPECIFICATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PERMITTING AND CONTRACTOR RESPONSIBLE FOR PICKUP AND PAYMENT OF REQUIRED PERMITS.
3. ALL WORK SHALL CONFORM TO ALL CURRENT APPLICABLE FEDERAL, STATE AND LOCAL CODES, INCLUDING ANS/IEEE/ASTM AND COMPLY WITH ALL CONSTRUCTION SPECIFICATIONS.
4. CONTRACTOR SHALL CONTACT LOCAL BY FOR IDENTIFICATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED INSPECTIONS.
6. ALL DIMENSIONS TO, OF AND ON EXISTING BUILDINGS, CHIMNEY STRUCTURES, AND SITE IMPROVEMENTS SHALL BE VERIFIED IN FIELD BY CONTRACTOR WITH ALL DIMENSIONS REPORTED TO THE ENGINEER.
7. DO NOT CHANGE SIZE OR SPACING OF STRUCTURAL ELEMENTS.
8. DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
9. THESE DIMENSIONS DO NOT INCLUDE A NECESSARY CONTINGENCY FOR CONSTRUCTION SAFETY WHICH SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
10. CONTRACTOR SHALL BRACKET STRUCTURAL UNITS, ALL STRUCTURAL ELEMENTS NEEDED FOR STABILITY AND INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: LATERAL BRACING AND/OR BARS, ETC.
11. CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES, GROUND BARS, DRAIN PIPES, VENTIL, ETC. BEFORE COMMENCING WORK.
12. INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE DEFECTIVE OR NON-COMPLYING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE TABLE REPAIR OR CORRECTIVE ACTION. ANY SUCH REPAIR OR CORRECTIVE ACTION SHALL REQUIRE WRITTEN APPROVAL BY THE TABLE REPAIR PRIOR TO PROCEEDING.
13. EACH CONTRACTOR SHALL COOPERATE WITH THE TABLE REPAIR AND COORDINATE HIS WORK WITH THE WORK OF OTHERS.
14. CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OF THIS PROJECT TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE TABLE CONSTRUCTION ENGINEER.
15. ALL GABLE/CHIMNEY EXTERIOR PORTS SHALL BE WEATHERPROOFED DURING INSTALLATION USING A SILICONE SEALANT.
16. WHERE EXISTING CONDITIONS DO NOT MATCH THOSE SHOWN IN THIS PLAN SET, CONTRACTOR SHALL NOTIFY THE TABLE REPAIR AND ENGINEER OF RECORD IMMEDIATELY.
17. CONTRACTOR SHALL ENSURE ALL SUBCONTRACTORS ARE PROVIDED WITH A COMPLETE AND CURRENT SET OF DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
18. CONTRACTOR SHALL REMOVE ALL RUBISH AND DEBRIS FROM THE SITE AT THE END OF EACH DAY.
19. CONTRACTOR SHALL COORDINATE WORK SCHEDULE WITH AMERICAN TOWER CORPORATION AND ALL OTHER OCCUPANTS TO MINIMIZE IMPACT AND DISRUPTION OF OTHER OCCUPANTS OF THE FACILITY.
20. CONTRACTOR SHALL FURNISH TABLE AND AMERICAN TOWER CORPORATION (ATC) WITH A PDF MARKED UP AS-BUILT SET OF DRAWINGS UPON COMPLETION OF WORK.
21. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH TABLE REPAIR TO DETERMINE WHAT, IF ANY, ITEMS WILL BE PROVIDED. ALL ITEMS NOT PROVIDED SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. CONTRACTOR WILL INSTALL ALL ITEMS PROVIDED.

22. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH TABLE REPAIR TO DETERMINE IF ANY PERMITS WILL BE OBTAINED BY CONTRACTOR. ALL REQUIRED PERMITS NOT OBTAINED BY TABLE REPAIR MUST BE OBTAINED AND PAID FOR BY THE CONTRACTOR.
23. CONTRACTOR SHALL INSTALL ALL EASE GRADINGS IN ACCORDANCE WITH TABLE SPECIFICATIONS AND REQUIREMENTS.
24. CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO TABLE FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
25. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND LOCATED ACCORDING TO TABLE SPECIFICATIONS AND AS SHOWN IN THESE PLANS.
26. THE CONTRACTOR SHALL SUPERSEDE AND OVERTAKE THE PROJECT DESCRIPTION HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL WORKING OF THE WORK UNDER THE CONTRACT.
27. CONTRACTOR SHALL NOTIFY TABLE REPAIR A MINIMUM OF 48 HOURS IN ADVANCE OF POURING CONCRETE OR CASTING AND UNDERGROUND UTILITIES, FOUNDATIONS OR SEALING ANY WALL, FLOOR OR ROOF PENETRATIONS FOR ENGINEER'S REVIEW AND APPROVAL.
28. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY BY NOTIFYING COMPANY WITH ALL APPLICABLE OSHA STANDARDS AND RECOMMENDATIONS AND SHALL PROVIDE ALL NECESSARY SAFETY DEVICES INCLUDING PPE AND CONSTRUCTION DEVICES SUCH AS HELMETS AND FREE FALLOUT, TEMPORARY SHORING, SCAFFOLDING, TRENCH SHIELDING, SHIELDS, ETC.
29. THE CONTRACTOR SHALL PROTECT AT HIS OWN EXPENSE, ALL EXISTING FACILITIES AND SUCH OF HIS NEIGHBORS AS TO BE IN FORCE DURING THE CONSTRUCTION PERIOD. ANY DAMAGE CAUSED BY NEGLIGENCE ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVE, OR BY THE ELEMENTS OF NATURE TO THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVE, RELATED TO THE EXISTING WORK, OR TO HIS WORK ON THE WORK OF ANY OTHER CONTRACTOR, SHALL BE REPAIRED AT HIS EXPENSE TO THE OWNER'S SATISFACTION.
30. ALL WORK SHALL BE INSTALLED IN A FIRST CLASS, NEAT AND WORKMANLIKE MANNER BY MEANS INDICATED IN THE TABLE. THE QUALITY OF WORKMANSHIP SHALL BE SUBJECT TO THE APPROVAL OF THE TABLE REPAIR. ANY WORK FOUND BY THE TABLE REPAIR TO BE OF INFERIOR QUALITY AND/OR WORKMANSHIP SHALL BE REPLACED AND/OR REWORKED BY CONTRACTOR EXPENSE UNTIL APPROVAL IS OBTAINED.
31. IN ORDER TO ESTABLISH STANDARDS OF QUALITY AND PERFORMANCE, ALL TYPES OF MATERIALS LISTED OR SUBSTITUTES BY MANUFACTURER'S NAMES AND/OR MANUFACTURER'S CATALOG NUMBER SHALL BE PROVIDED BY THESE MANUFACTURERS AS SPECIFIED.
32. TABLE FURNISHED EQUIPMENT SHALL BE PICKED UP AT THE TABLE WAREHOUSE, NOT LATER THAN 48 HRS AFTER BEING NOTIFIED, INSURED, ATOMED, UNCRATE PROTECTED AND INSTALLED BY THE CONTRACTOR WITH ALL APPLICABLE DEVICES TO PLACE THE EQUIPMENT IN OPERATION, READY FOR USE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EQUIPMENT AFTER PICKING UP.
33. TABLE ON HIS ARCHITECT/ENGINEER RESERVES THE RIGHT TO REJECT ANY EQUIPMENT OR MATERIALS WHICH, IN HIS OPINION, ARE NOT IN CONFORMANCE WITH THE CONTRACT DOCUMENTS, EITHER BEFORE OR AFTER INSTALLATION AND THE EQUIPMENT SHALL BE REJECTED WITH EQUIPMENT CONFORMS TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE CONTRACTOR AT HIS COST TO TABLE OR THEIR ARCHITECT/ENGINEER.


SPECIAL CONSTRUCTION ANTENNA INSTALLATION NOTES:

- WORK INCLUDED
- A. ANTENNA AND COAXIAL CABLES ARE FURNISHED BY TABLE UNDER A SEPARATE CONTRACT. THE CONTRACTOR SHALL ASSIST ANTENNA INSTALLATION CONTRACTOR IN TERMS OF COORDINATING SITE ACCESS, ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF PERSONNEL AND
 - B. INSTALL ANTENNAS AS INDICATED ON DRAWINGS AND TABLE SPECIFICATIONS.
 - C. INSTALL GALVANIZED STEEL ANTENNA MOUNTS AS INDICATED ON DRAWINGS.
 - D. INSTALL PLUMBED GALVANIZED STEEL OR ALUMINUM WAVEGUIDE AND PROVIDE PROTECT OF THAT TYPE.
 - E. CONTRACTOR SHALL PROVIDE FOUR (4) SETS OF SWEEP TESTS UPON ANTENNA PICKUP BY TABLE NETWORK ANALYZER. CURRENT FREQUENCY DUTY AND ELECTROMAGNETIC TESTS RESULTS TO THE PROJECT MANAGER. SWEEP TESTS SHALL BE PERFORMED BY TABLE NETWORK ANALYZER. RECOMMENDED FOR ANTENNA AND HELIX COAXIAL CABLE SYSTEMS DATED 10/01. TESTING SHALL BE PERFORMED BY AN INDEPENDENT TESTING SERVICE AND BE BOUND AND SUBMITTED WITHIN ONE WEEK OF WORK COMPLETION.
 - F. INSTALL COAXIAL CABLES AND TETHERING BETWEEN ANTENNAS AND EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. WHETHER FOR ALL CONNECTIONS BETWEEN THE ANTENNA AND EQUIPMENT PER MANUFACTURER'S REQUIREMENTS. TERMINATE ALL COAXIAL CABLES THREE (3) FEET IN EXCESS OF ENTRY POINT LOCATION UNLESS OTHERWISE STATED.
 - G. ANTENNA AND COAXIAL CABLE GROUNDING.
 - H. ALL EXTERIOR BRIDGE GROUNDING SHALL BE INSTALLED ON STRAIGHT RUNS OF COAXIAL CABLE (NOT WITHIN BENDS).


ELECTRICAL NOTES:

1. ELECTRICAL DESIGN SHALL BE PERFORMED BY ELECTRICAL CONTRACTOR. ELECTRICAL DESIGN SHALL BE PERFORMED BY ORIGINAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL ENSURE THAT ALL WORK COMPLES WITH ALL APPLICABLE LOCAL AND STATE CODES AND NATIONAL ELECTRICAL CODE.
2. ALL SUGGESTED ELECTRICAL ELEMENTS (SUCH AS BREAKER SIZES, WIRE SIZES, CONDUIT SIZES, ETC. FOR TOWER PURPOSES ONLY) IS THE RESPONSIBILITY TO OF THE ELECTRICAL CONTRACTOR TO COMPLY WITH LOCAL ELECTRICAL CODES AND ALL APPLICABLE AND ALL SUGGESTED IN SPECIFICATIONS. IN SOME CASES, IT MAY BE NECESSARY TO PROVIDE AN ADDITIONAL LOAD STUDY TO VERIFY THE CAPACITY OF THE EXISTING SERVICE. THIS IS NOT THE RESPONSIBILITY OF CONCORDIA, IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
3. CONTRACTOR SHALL FIELD LOCATE ALL BELOW GRADE GROUND LINES AND UTILITY LINES PRIOR TO CONSTRUCTION. CONSTRUCTION IS NOT TO BE PERMITTED FOR RELOCATION OF ALL UTILITIES AND GROUND LINES THAT MAY BECOME DISTURBED OR COLLIDING IN THE COURSE OF CONSTRUCTION.

ALL DISCREPANCIES FROM WHAT IS SHOWN ON THESE CONSTRUCTION DRAWINGS SHALL BE COMMUNICATED TO ATC ENGINEERING IMMEDIATELY FOR CORRECTION OR RE-DISIGN. FAILURE TO COMMUNICATE DIRECTLY WITH ATC ENGINEERING ON ANY CHANGES FROM THE DESIGN CONTRACTOR WITHOUT PRIOR APPROVAL FROM ATC ENGINEERING SHALL BE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.



AMERICAN TOWER



HDXG HUDSON Design Group LLC

41 BEECHWOOD DRIVE TEL: 978 557 5833
N. ANDOVER, MA 01854 FAX: 978 536 5556


REV.	DESCRIPTION	BY	DATE
1	PRELIM.	ASK	10/28/21
2	FINALS	JR	11/28/21

ATC SITE NUMBER:
413118


ATC SITE NAME:
POUNDRIDGE NY

T-MOBILE SITE NAME:
NJ01428A

SITE ADDRESS:
28 ADAMS LANE
POUNDRIDGE, NY 12876-1507



STATE OF NEW YORK
DANIEL P. HANN
LICENSED PROFESSIONAL ENGINEER
002182



DATE DRAWN:	10/22/21
ATC JOB NO.:	1374850_G3
CUSTOMER ID:	AJ24228A
CUSTOMER #:	NJ01428A

GENERAL NOTES

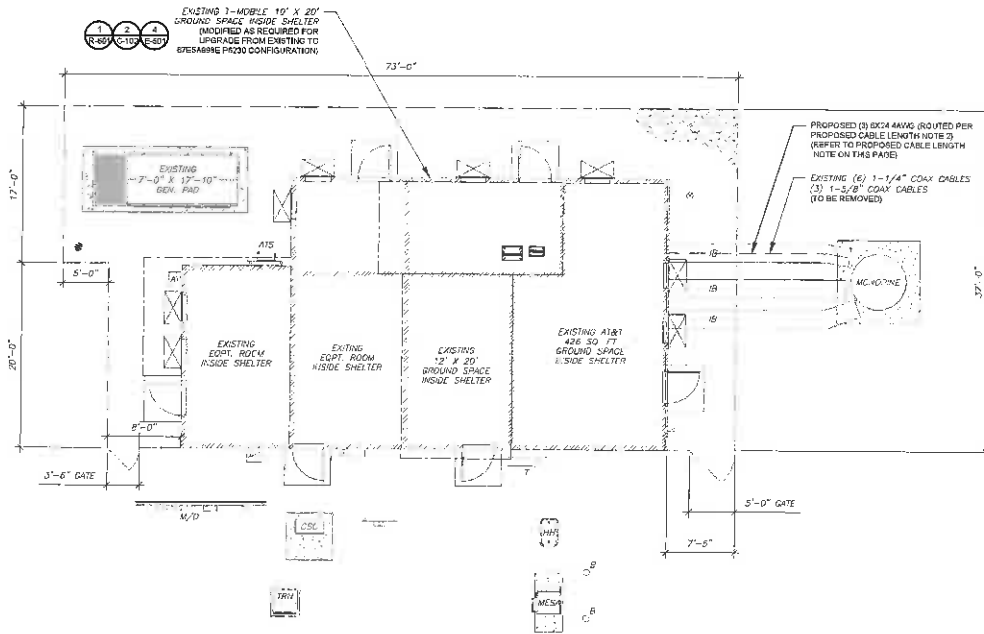
SHEET NUMBER:	REVISION:
G-002	0

SITE PLAN NOTES

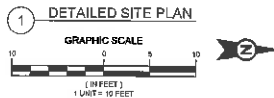
1. THIS SITE PLAN REPRESENTS THE BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF THIS DESIGN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION AND VERIFY ALL EXISTING CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT.
2. ICE BRIDGE, CABLE LADDER, COAX PORT, AND COAX CABLE ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL CONFIRM THE EXACT LOCATION OF ALL PROPOSED AND EXISTING EQUIPMENT AND STRUCTURES DEPICTED ON THIS PLAN, BEFORE UTILIZING EXISTING CABLE SUPPORTS, COAX PORTS, INSTALLING NEW PORTS OR ANY OTHER EQUIPMENT. CONTRACTOR SHALL VERIFY ALL ASPECTS OF THE COMPONENTS MEET THE ATC SPECIFICATIONS.
3. NO ELECTRICAL SCOPE IS INCLUDED IN THIS PROJECT.

LEGEND

⊙	GROUNDING TEST WELL
ATS	AUTOMATIC TRANSFER SWITCH
B	BOLLARD
CBC	CELL SITE CABINET
D	DISCONNECT
E	ELECTRICAL
F	FIBER
GEN	GENERATOR
G	GENERATOR RECEPTACLE
H/V	HAND-HOLE VAULT
IB	ICE BRIDGE
K	KENTROX BOX
LC	LIGHTING CONTROL
M	METER
PB	PULL BOX
PP	POWER POLE
T	TELECOM
TRN	TRANSFORMER
---	CHANNELINK FENCE



- PROPOSED CABLE LENGTH**
1. ESTIMATED LENGTH OF PROPOSED CABLE IS 172'. ESTIMATED LENGTH OF CABLE WAS PROVIDED BY CUSTOMER OR CALCULATED BY ADDING THE ROAD CENTER AND THE DISTANCE FROM THE SHELTER ENTRY PLATE TO THE TOWER ALONG THE ICE BRIDGE AND A SAFETY FACTOR MEASUREMENT OF 15% (OF THE TWO PREVIOUS VALUES). CDS DEFER TO GREATEST CABLE LENGTH.
 2. ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. IF ADEQUATE SPACE EXISTS, ROUTE CABLES THROUGH ENTRY PORT HOLE, UP INSIDE OF MONOPOLE, AND THROUGH EXIT PORT HOLE IF ROUTING OUTSIDE THE MONOPOLE. ATTACH CABLES USING STAND-OFF ADAPTERS MOUNTED TO TOWER USING STAINLESS STEEL BANDING. ADEQUATELY SECURE CABLES USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-RINGS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER.



AMERICAN TOWER

H2G HUDSON Design Group LLC

43 BEECHWOOD DRIVE TEL: (978) 567-5553
N. ANDOVER, MA 01845 FAX: (978) 336-6588

REV.	DESCRIPTION	BY	DATE
1	PRELIM	ASK	10/22/21
2	FINAL	TR	11/26/21

ATC SITE NUMBER: **413118**

ATC SITE NAME: **POUNDRIDGE NY**

T-MOBILE SITE NAME: **NJ01429A**

SITE ADDRESS: **28 ADAMS LANE POUNDRIDGE, NY 10976-1907**

STATE OF NEW YORK
DANIEL P. HANN
082152-1
REGISTERED PROFESSIONAL ENGINEER

T-Mobile

DATE DRAWN:	10/22/21
ATC JOB NO.:	1974510_G3
CUSTOMER ID.:	NJ01429A
CUSTOMER #:	NJ01429A

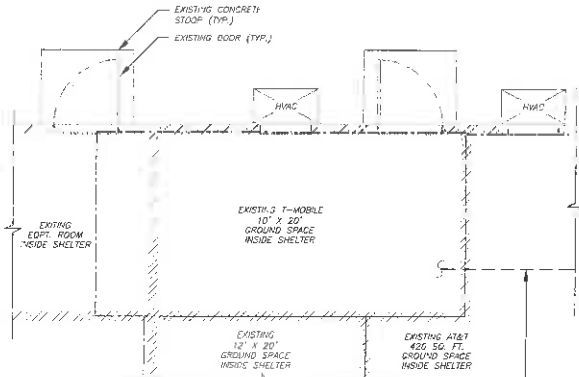
DETAILED SITE PLAN

SHEET NUMBER:	REVISION:
C-101	0

SITE PLAN NOTES

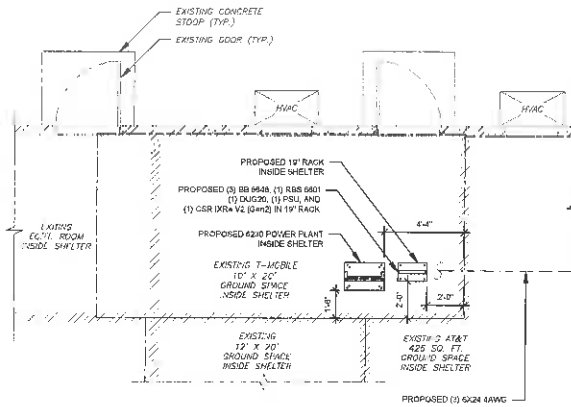
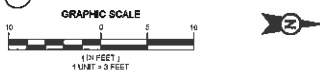
- 1. CONTRACTOR TO VERIFY THERE IS NO LIVE ANY FIBER RUNNING THROUGH EXISTING DEAD EQUIPMENT. IF SO, THIS WILL NEED TO BE RE-ROUTED THROUGH CONDUIT PRIOR TO REMOVING DEAD 20" (2001 CABINETS) EQUIPMENT.
- 2. REMOVE EXISTING 20" CABINETS, AND POWER / TELECOM WHIRLS ASSOCIATED WITH THE DEAD EQUIPMENT IF APPLICABLE.
- 3. ALL OPEN PORTS NEED TO BE SEALED / WEATHERPROOFED PROPERLY.
- 4. ALL UNNEEDED / EXCESS EQUIPMENT AND GARBAGE TO BE REMOVED FROM EQUIPMENT AREA. DISPOSE OF MATERIALS PROPERLY OFF SITE.

TMOBILE GM APPROVAL REQUIRED BEFORE INSTALLING CABINETS

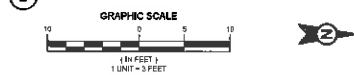



EXISTING (2) 1-1/4" COAX CABLES
(3) 1-5/8" COAX CABLES
(TO BE REMOVED)

1 EXISTING EQUIPMENT PLAN




2 PROPOSED EQUIPMENT PLAN





AMERICAN TOWER



HUDSON Design Group LLC

42 MECHEWOOD DRIVE TEL: (978) 552-6563
N. ANDOVER, MA 01845 FAX: (978) 214-5586


REV.	DESCRIPTION	BY	DATE
1	PRELIM.	ASG	10/22/21
2	FINAL	TR	11/02/21


ATC SITE NUMBER: 413118

ATC SITE NAME: POUNDRIIDGE NY

TMOBILE SITE NAME: NJ01429A

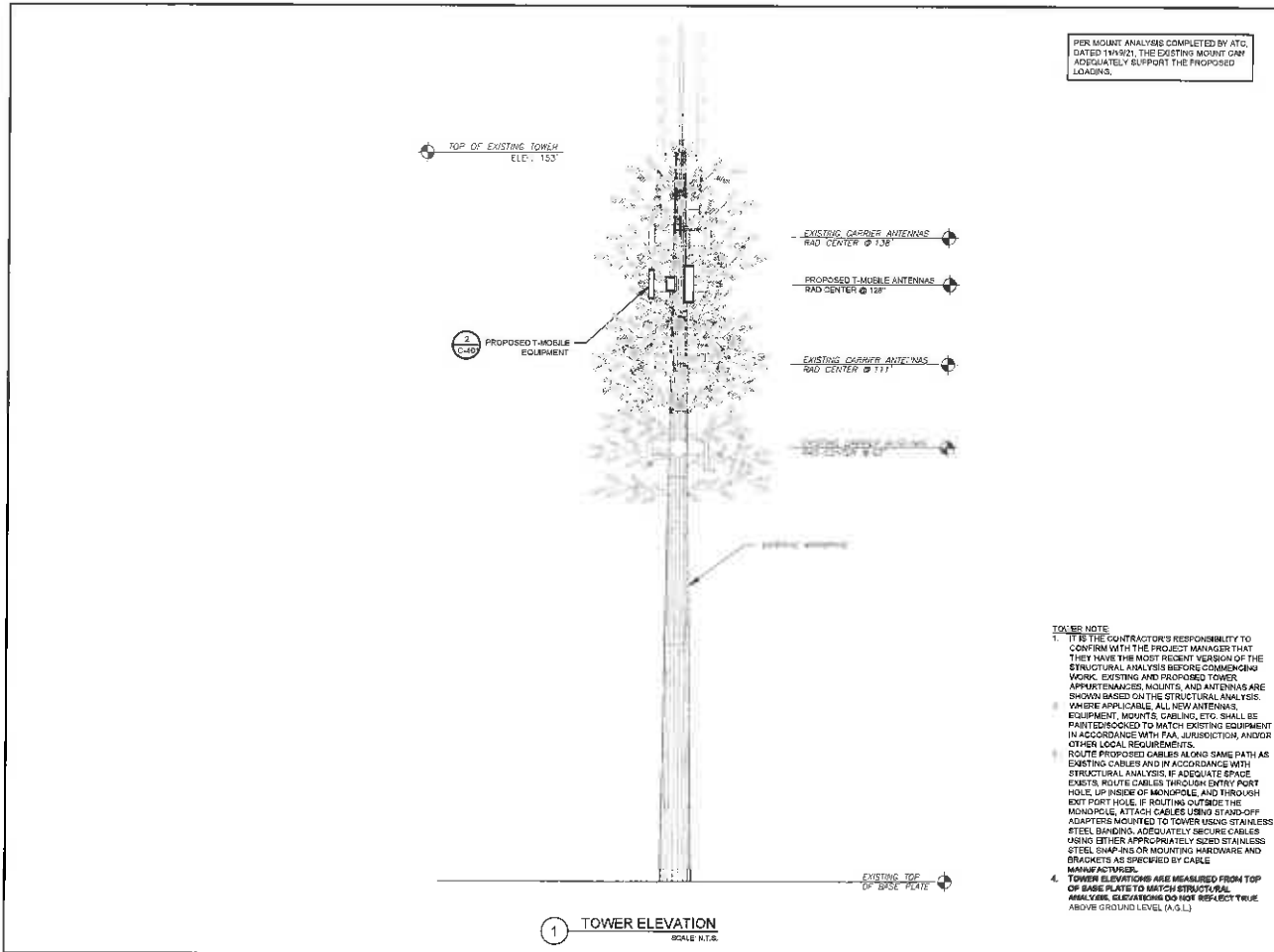
SITE ADDRESS: 28 ADAMS LANE
POUND RIDGE, NY 10816-1507






DATE DRAWN:	10/22/21
ATC JOB NO.:	13714510_03
CUSTOMER ID:	NJ01429A
CUSTOMER #:	NJ01429A

EXISTING & PROPOSED EQUIPMENT PLAN	
SHEET NUMBER:	REVISION:
C-102	0




FOR MOUNT ANALYSIS COMPLETED BY ATG, DATED 11/14/01, THE EXISTING MOUNT CAN ADEQUATELY SUPPORT THE PROPOSED LOADINGS.

- TOWER NOTE**
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM WITH THE PROJECT MANAGER THAT THEY HAVE THE MOST RECENT VERSION OF THE STRUCTURAL ANALYSIS BEFORE COMMENCING WORK. EXISTING AND PROPOSED TOWER APPURTENANCES, MOUNTS, AND ANTENNAS ARE SHOWN BASED ON THE STRUCTURAL ANALYSIS. WHERE APPLICABLE, ALL NEW ANTENNAS, EQUIPMENT, MOUNTS, CABLING, ETC. SHALL BE PAINTED/POURED TO MATCH EXISTING EQUIPMENT IN ACCORDANCE WITH FAA, JURISDICTION, AND/OR OTHER LOCAL REQUIREMENTS.
 - ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. IF ADEQUATE SPACE EXISTS, ROUTE CABLES THROUGH ENTRY PORT HOLE, UP INSIDE OF MONOPOLE, AND THROUGH EXIT PORT HOLE. IF ROUTING OUTSIDE THE MONOPOLE, ATTACH CABLES USING STAND-OFF ADAPTERS MOUNTED TO TOWER USING STAINLESS STEEL BANDING. ADEQUATELY SECURE CABLES USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SWAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER.
 - TOWER ELEVATIONS ARE MEASURED FROM TOP OF BASE PLATE TO MATCH STRUCTURAL ANALYSIS. CLEARANCES DO NOT REFLECT TRUE ABOVE GROUND LEVEL (A.G.L.)



AMERICAN TOWER



HUDSON Design Group LLC

45 FRECHER ROAD DRIVE TEL: 978 554-5553
N ANDOVER, MA 01845 FAX: (978) 354-5555


REV.	DESCRIPTION	BY	DATE
1	PROGRAM	ABC	10/22/01
2	PLANS	TR	11/26/01


ATO SITE NUMBER:
413118

ATO SITE NAME:
POUNDRIDGE NY

T-MOBILE SITE NAME:
NJ01429A

SITE ADDRESS:
28 ADAMS LANE
POUNDRIDGE, NY 13976-1507

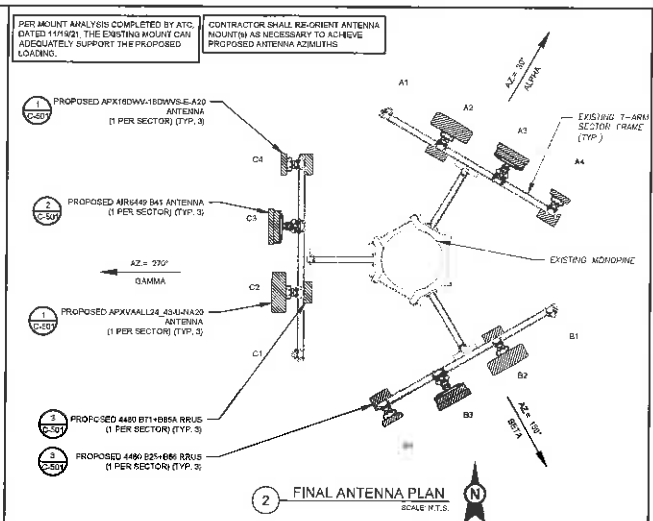
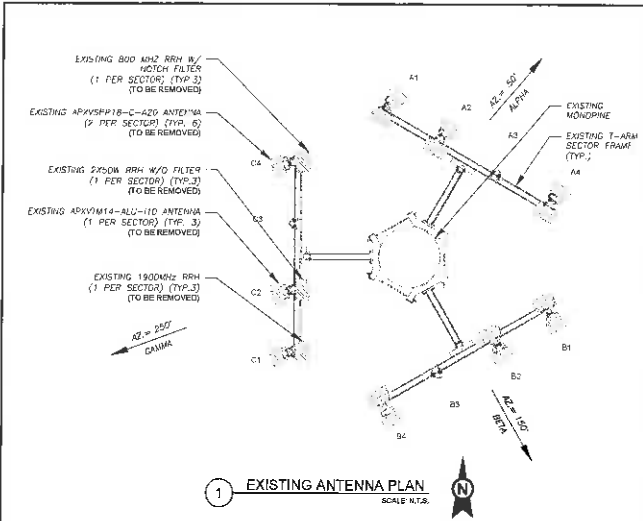




DATE DRAWN:	11/22/01
ATO JOB NO.:	1371854_03
CUSTOMER ID:	NJ01429A
CUSTOMER #:	NAT429A

TOWER ELEVATION

SHEET NUMBER	REVISION
C-201	0



EXISTING ANTENNA SCHEDULE														
LOCATION					ANTENNA SUMMARY					NON ANTENNA SUMMARY				
SECTOR	RAD	AZ	POS	ANTENNA	BAND	MECH/ELEC D-TILT	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS					
ALPHA	128°	40°	A1	APXVSP18-C-A20	-	-/-	RMV	1900MHz RRH	RMV					
			A2	APXVM14-ALU-110	-	-/-	RMV	2X50W RRH W/O FILTER	RMV					
BETA	128°	150°	B1	APXVSP18-C-A20	-	-/-	RMV	1900MHz RRH	RMV					
			B2	APXVM14-ALU-110	-	-/-	RMV	2X50W RRH W/O FILTER	RMV					
			B3	APXVSP18-C-A20	-	-/-	RMV	800 MHz RRH W/ NOTCH FILTER	RMV					
GAMMA	128°	250°	C1	APXVSP18-C-A20	-	-/-	RMV	1900MHz RRH	RMV					
			C2	APXVM14-ALU-110	-	-/-	RMV	2X50W RRH W/O FILTER	RMV					
			C3	APXVSP18-C-A20	-	-/-	RMV	800 MHz RRH W/ NOTCH FILTER	RMV					

NOTES

- CONFIRM WITH T-MOBILE REP FOR APPLICABLE UPDATES/REVIEWS AND MOST RECENT REFS FOR NSN CONFIGURATION (CONF), GC TO CAP ALL UNUSED PORTS.
- CONFIRM SPACING OF PROPOSED EQUIP DOES NOT CAUSE TOWER CONFLICTS NOR IMPERE TOWER CLIMBING PEGS.

STATUS ABBREVIATIONS

RMV: TO BE REMOVED
REL: TO BE RELOCATED
ADD: TO BE ADDED

CABLE LENGTHS FOR JUMPERS
JUNCTION BOX TO RRU: 15'
RRU TO ANTENNA: 10'

EXISTING ANTENNA SCHEDULE														
LOCATION					ANTENNA SUMMARY					NON ANTENNA SUMMARY				
SECTOR	RAD	AZ	POS	ANTENNA	BAND	MECH/ELEC D-TILT	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS					
ALPHA	128°	30°	A1											
			A2	APXVALL24-43J-NA20	L700L300M200	0/9	ADD	4480 B71+85A RRH	ADD					
			A3	AIR649 B41	L2500N2500	0/5	ADD							
			A4	APX18DW-18DWS-E-A20	G1900L1900L2100	0/5	ADD	4480 B25+89B RRH	ADD					
BETA	128°	150°	B1											
			B2	APXVALL24-43J-NA20	L700L300M200	0/9	ADD	4480 B71+85A RRH	ADD					
			B3	AIR649 B41	L2500N2500	0/5	ADD							
			B4	APX18DW-18DWS-E-A20	G1900L1900L2100	0/5	ADD	4480 B25+89B RRH	ADD					
GAMMA	128°	270°	C1											
			C2	APXVALL24-43J-NA20	L700L300M200	0/9	ADD	4480 B71+85A RRH	ADD					
			C3	AIR649 B41	L2500N2500	0/5	ADD							
			C4	APX18DW-18DWS-E-A20	G1900L1900L2100	0/5	ADD	4480 B25+89B RRH	ADD					

EXISTING FIBER DISTRIBUTION / OVP BOX				EXISTING CABLING SUMMARY			
MODEL NUMBER	STATUS	COAX	HYBRID	STATUS			
-	-	(5) 1-1/4" (2) 1-5/8"	-	RMV			

EQUIPMENT SCHEDULES									
FINAL FIBER DISTRIBUTION / OVP BOX					FINAL CABLING SUMMARY				
MODEL NUMBER	STATUS	COAX	HYBRID	STATUS					
-	-	-	(5) 92X 14WG	ADD					

HUDSON Design Group LLC

4545EHWY 2D DRIVE N. ANDOVER, MA 01845 TEL: 978 454-5553 FAX: 978 234-5585

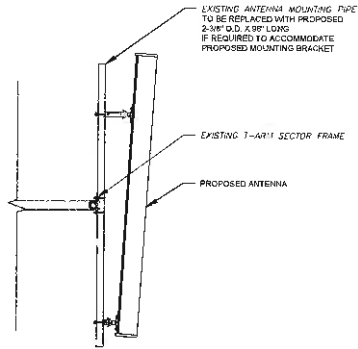
REV	DESCRIPTION	BY	DATE
1	PRELIM	ASB	10/22/21
2	FINAL	TR	11/28/21

ATC SITE NUMBER: 41311B
ATC SITE NAME: POUNDRIE NY
T-MOBILE SITE NAME: NJ01429A
SITE ADDRESS: 29 ADAMS LANE
POUND RIDGE, NY 10519-1507

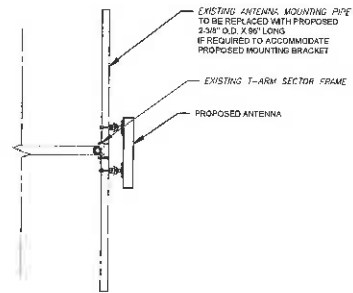
DATE DRAWN: 11/22/21	ATC JOB NO: 13714510_03
CUSTOMER ID: NJ01429A	CUSTOMER #: NJ01429A

ANTENNA INFORMATION & SCHEDULE

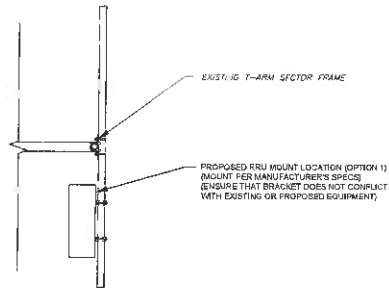
SHEET NUMBER: C-401	REVISION: 0
---------------------	-------------



1 PROPOSED ANTENNA MOUNTING DETAIL - TYPICAL
SCALE: N.T.S.



2 PROPOSED 5G ANTENNA MOUNTING DETAIL - TYPICAL
SCALE: N.T.S.



3 PROPOSED RRU MOUNTING DETAIL - TYPICAL
SCALE: N.T.S.



HUDSON
Design Group LLC

45 BECHING JO DRIVE TEL: (978) 567-1643
N ANDOVER, MA 01845 FAX: (978) 336-6555

REV	DESCRIPTION	BY	DATE
▲	PRELIM.	ASK	10/22/21
▲	FINALS	TR	11/02/21
▲			
▲			

ATC SITE NUMBER:
413118

ATC SITE NAME:
POUNDRIDGE NY

T-MOBILE SITE NAME:
NJ01429A

SITE ADDRESS:
28 ADAMS LANE
FOUNDRIDGE NY 10075-1507

SEAL

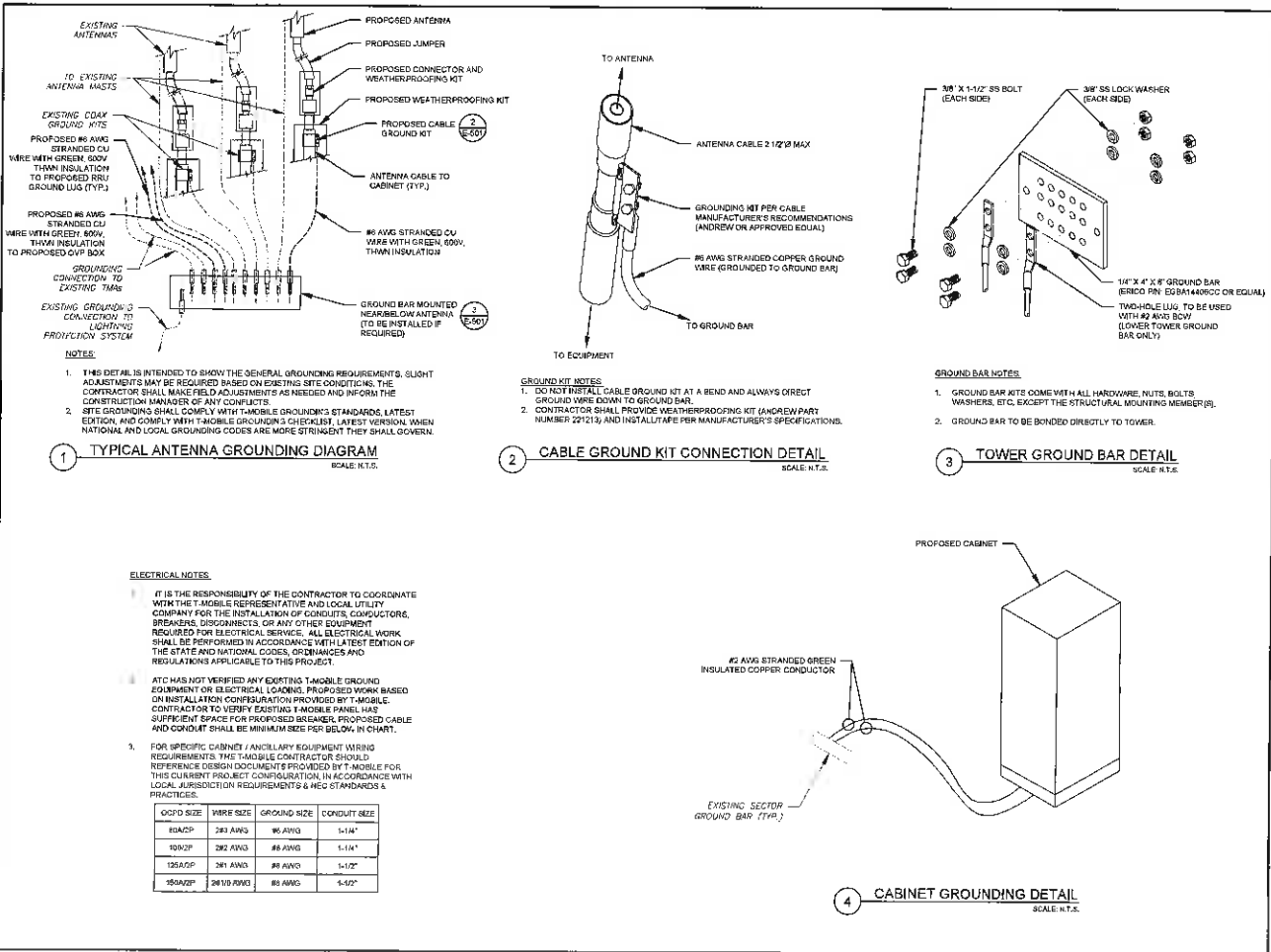


T-Mobile

DATE DRAWN:	10/22/21
ATC JOB NO.:	13714510_03
CUSTOMER ID:	NJ01429A
CUSTOMER #:	NJ01429A

**CONSTRUCTION
DETAILS**

SHEET NUMBER:	REVISION:
C-501	0



AMERICAN TOWER

H2G HUDSON Design Group LLC

44 BELCHWOOD DRIVE N. ANDOVER, MA 01845 TEL: (978) 537-5159 FAX: (978) 533-5584

REV	DESCRIPTION	BY	DATE
1	PRELIM	AKK	10/22/21
2	FINALS	TR	11/26/21

ATC SITE NUMBER: 413118
 ATC SITE NAME: POUND RIDGE NY
 T-MOBILE SITE NAME: NJ01429A
 SITE ADDRESS: 28 ADAMS LANE POUND RIDGE, NY 10976-1907

SEAL: DANIEL P. HAMM, LICENSED PROFESSIONAL ENGINEER, STATE OF NEW YORK, 082162

T-Mobile

DATE DRAWN: 10/22/21
ATC JOB NO: 13714610_03
CUSTOMER ID: NJ01429A
CUSTOMER #: NJ01429A

GROUNDING DETAILS

SHEET NUMBER: E-501	REVISION: 0
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Section 5 - RAN Equipment

Existing RAN Equipment

--- This section is intentionally blank. ---

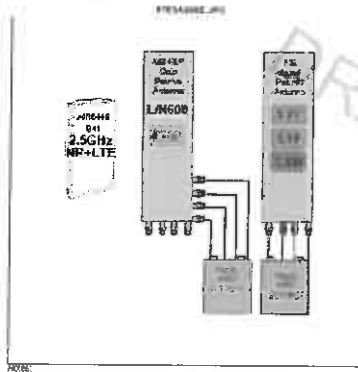
Proposed RAN Equipment

Template: 67E5A699E P6220

Enclosures	1	2	3
Enclosure Type	(19 Inch Rack (Eaton))	(600 600)	(Power 6300)
Baseband	BB 6648 Line 1: L2500, L2500, L2500 Line 2: N2300, N2300, N2300	DUG20 (G1900)	
Hybrid Cable System	POU 4913		
Transport System	CCR DUNE V2 (SAP2)		
Functionality Groups	Ericsson Hybrid T803 Select 6.24-4.420G *Select (L8051) (x 3)		
RAN Scope of Work: Sprint ID - NY54XCS94 Add 19" rack + 86230 Cabinet. Add 1 x BB6648 for L2500 and N2300, Add 2 x BB6648 for L2100, L1900, L1800, L700 and N9600, Add DUG20 for G1900 Add 3 602x Hybrid cables			

1 CABINET CONFIGURATION
SCALE: NOT TO SCALE

Section 3 - Proposed Template Images



2 ANTENNA CONFIGURATION
SCALE: NOT TO SCALE

NOTE: THIS SHEET CREATED BY OTHERS AND PROVIDED BY REQUEST OF CUSTOMER WITHOUT EDIT.

SUPPLEMENTAL

SHEET NUMBER: R-601
REVISION: 0



Eng Number 25734510_CB_03
November 19, 2021
Page 1

Mount Analysis Report

ATC Site Name : POUND BRIDGE NY, NY
 ATC Site Number : 413118
 Engineering Number : 13714510_CB_03
 Mount Elevation : 128 ft
 Carrier : Sprint Nextel
 Carrier Site Name : NJ01429A
 Carrier Site Number : NJ01429A
 Site Location : 29 Adams Lane
 Pound Ridge, NY 10576 1507
 41.22272777, -73.57160277
 County : Westchester
 Date : November 19, 2021
 Max Usage : 66%
 Result : Pass

Prepared By:
 Alan Sabooy
 Structural Engineer
Alan Sabooy

Reviewed By:



Auth: 02/16/2019
 19 Nov 2021 01:07:49
 cosign

COA: 0012746

Introduction

The purpose of this report is to summarize results of the mount analysis performed for Sprint Nextel at 128 ft.

Supporting Documents

Tower Drawings	Engineered Endeavors, Inc., Project #13258, dated 11/16/2005
Radio Frequency Data Sheet	RFD510 #N01429A, dated October 26, 2021
Reference Photos	Site photos from 2021

Analysis

This mount was analyzed using American Tower Corporation's Mount Analysis Program and RISA-3D

Basic Wind Speed:	115 mph (3-Second Gust)
Basic Wind Speed w/ Acc:	50 mph (3-Second Gust) w/ 1' radius ice contribution
Codes:	ASCE/TIA 222-11 / 2018 IBC / 2020 New York Building Code
Exposure Category:	B
Risk Category:	II
Topographic Factor Procedure:	Method 2
Feature:	Flat
Crest Height (H):	0 ft
Crest Length (L):	0 ft
Spectral Response:	Ss = 0.259, S1 = 0.059
Site Class:	D - Soft Soil
Live Loads:	Lm = 500 lbs, Lt = 250 lbs

Conclusion

Based on the analysis results, the antenna mount meets the requirements per the applicable codes listed above. The mount can support the equipment as described in this report.

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

Memo

To: Town Board

Date: 12/07/2021

From: Recreation Dept.

Re: Release of Conant Hall Rental Deposit

I hereby request the release of the \$500.00 deposit to the Pound Ridge Garden Club for the use of Conant Hall in 2021.

The premises was inspected and found to be in satisfactory condition.

Pound Ridge Garden Club
PO Box 136
Pound Ridge, NY 10576

Thank you,
Patty Marino
Senior Office Assistant Recreation

CLAIM



TOWN OF POUND RIDGE
POUND RIDGE NY 10576

PURCHASE ORDER NO.:
DATE: 12/7/2021

**CLAIMANT'S
 NAME
 AND**

Pound Ridge Garden Club
 PO Box 136
 Pound Ridge, NY 10576

APPROPRIATION	AMOUNT	VOUCHER #
A-T30	\$500.00	
TOTAL	\$500.00	

VENDOR #:

DATES		QUANTITY	UNIT PRICE	AMOUNT
12/7/2021	REFUND			
	2021 Conant Hall deposit			\$500.00
			TOTAL	\$500.00

CLAIMANT'S CERTIFICATION

I, _____, certify that the above account in the amount of _____ is true and correct; that the items, services, and disbursements charged were rendered to or for the town on the dates stated; that no part has been paid or satisfied; that taxes, from which the municipality is exempt, are not included; and that the amount claimed is actually due.

_____ date _____ signature _____ title

SPACE BELOW FOR TOWN USE

DEPARTMENT APPROVAL	APPROVAL FOR PAYMENT
The above services or materials were rendered or furnished to the town on the dates stated and the charges are correct. 12/7/21 <i>[Signature]</i> date Prepared by 12/17/21 <i>[Signature]</i> date Department Head	This claim is approved and ordered paid from the appropriations indicated above.

Memo

To: Town Board

Date: 12/06/2021

From: Recreation Dept.

Re: Release of Conant Hall Rental Deposit

I hereby request the release of the \$500.00 deposit paid by Natacha Carbjal Evangelista for the use of Conant Hall on December 4, 2021 for a party. The premises was inspected and found to be in satisfactory condition.

Natacha Carbajal Evangelista
5 rustling Lane
Bedford, NY 10506

Thank you,
Patty Marino
Senior Office Assistant Recreation

CLAIM

TOWN OF POUND RIDGE
POUND RIDGE NY 10576



PURCHASE ORDER NO.:
DATE: 12/6/2021

**CLAIMANT'S
 NAME
 AND**

Natacha Carbaji Evangelista
 5 Rustling Lane
 Bedford, NY 10506

VENDOR #:

APPROPRIATION	AMOUNT	VOUCHER #
A-T30	\$500.00	
TOTAL	\$500.00	

DATES		QUANTITY	UNIT PRICE	AMOUNT
12/6/2021	Conant Hall refund			
	Party on December 4, 2021			\$500.00
			TOTAL	\$500.00

CLAIMANT'S CERTIFICATION

I, _____, certify that the above account in the amount of _____ is true and correct; that the items, services, and disbursements charged were rendered to or for the town on the dates stated; that no part has been paid or satisfied; that taxes, from which the municipality is exempt, are not included; and that the amount claimed is actually due.

_____ date _____ signature _____ title _____

SPACE BELOW FOR TOWN USE

DEPARTMENT APPROVAL	APPROVAL FOR PAYMENT
The above services or materials were rendered or furnished to the town on the dates stated and the charges are correct.	This claim is approved and ordered paid from the appropriations indicated above.
_____ date _____ Prepared by _____	
_____ date _____ Department Head _____	

Town of Pound Ridge



To: Town Board
From: David Goldberg
Date: December 13, 2021
Re: Encumbrance

I respectfully request authorization to encumber \$12,000 from the 2021 budget to use for the purchase of 2 diving boards. The boards are old and becoming very slippery and dangerous.

Respectfully submitted

David Goldberg
Superintendent of Recreation & Parks

MEMORANDUM

To: Town Board
From: Erin Trostle
Date: December 9, 2021
Re: Special Use Permit Application

I recently received the attached Special Use Permit application from Breads N Bakes. The proposed special use is permitted in the Zoning Code (relevant portion attached here), and the applicant has secured permission from the landlord (also attached).

73 Westchester LLC
2881 Middletown Road
Bronx,
NY 10461

Nicole Engel
Town of Pound Ridge
179 Westchester Ave
Pound Ridge
NY 10576

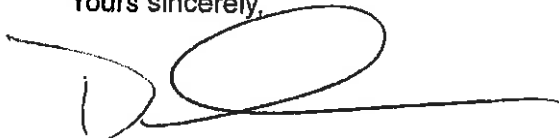
November 30, 2021

73 Westchester Avenue

Dear Ms Engel,

This letter is to confirm that I grant approval to BreadsNBakes to apply for a special use permit for the above property. The application concerns renovation of the existing food preparation and sales space to a bakery and take-out food establishment.

Yours sincerely,

A handwritten signature in black ink, appearing to be 'Doug Sachs', with a large, stylized loop at the end of the signature.

Doug Sachs
Property Owner, 73 Westchester Avenue, Pound Ridge

TOWN OF POUND RIDGE - SPECIAL USE PERMIT APPLICATION

Date of application 11/30/2021

TO: TOWN BOARD - TOWN OF POUND RIDGE

APPLICATION IS HEREBY MADE to the Town Board for the issuance of a Special Use Permit pursuant to Chapter 113, Article VIII of the Zoning Code of the Town of Pound Ridge, entitled Special Permit Standards, for the following:

Renovation of an existing food preparation and sales space to a bakery and take-out food establishment.

APPLICANT NAME: Jason Bowman

ADDRESS: 73 Westchester Avenue, Pound Ridge

BUSINESS TELEPHONE NO: 914 349 2727

Check one: Owner Lessee Agent

Town Tax Map Property Location: Section 086.11 Block 9454-10 Lot No. 13

If map, survey or a plan is required, please attach to this application, as required by VIII, Section 113-8.3

With respect to the Special Use Permit described and requested on Page 2, attached, please respond to the following:

1. If you are a lessee, has property owner been apprised of your request? If so, attach the property owner's letter of approval to this application.

See attached letter

2. Will use be seasonal? Yes No

If yes, what months? _____ What hours of the day? _____

3. Will equipment or furniture or materials of any kind, not normal to present operation, be required?

Yes No

Seating for up to 18 people

Regular retail bakery equipment

4. Will the location and size of the use, nature and intensity of the operation involved, be in harmony with the district in which it is located? Yes No

(Article VIII, Section 113-8.2.1)

5. Will there be a noise or light factor that may impact neighboring properties:

Yes No (Article VIII, Section 113-8.2.3)

6. If the operation is located in a Planned Business District, will existing parking be adequate?

Yes No

Special Use Application for Jason Bowman, BreadsNBakes. *



Applicant's Signature

If the Town requires engineer, planning consultants or other professional assistance in reviewing this Special Use Permit application, applicant may be required to establish an escrow fee fund to pay the cost of such experts.

For the Town Board:

1. Referred to Planning Board on _____
2. Public Hearing scheduled for _____
3. Escrow Deposit of \$ _____ posted _____

Town Board Approval _____ Date: _____ Expiration Date: _____

CONDITIONS:

PERMIT NUMBER: _____

ZONING

113 Attachment 3

SCHEDULE OF USE REGULATIONS
Nonresidential Districts
 § 113-41
 Town of Pound Ridge, New York
 [Amended 8-13-1998 by L.L. No. 7-1998]

	In any "nonresidence district," no "building" or "premises" shall be "used," and no "building" or group of "buildings" or part of a "building" or "structure" shall be erected, constructed, enlarged, "altered," arranged, "used," in whole or in part, except for one or more of the "uses" set forth below. "Uses" in the PB-B and PB-C zoning "districts" may include a coordinated group of stores designed as a unit. Only those "uses" specifically listed shall be permitted, and any "use" not listed shall be deemed to be prohibited. No "use" shall be permitted which is noxious or offensive by reason of odor, dust, smoke, vibration, radiation, danger of explosion, flashing or excessive light or harmful discharge of waste materials. The "use" of an internal combustion engine shall not be permitted unless objectionable noise and vibration is eliminated and unless it is equipped and "used" with an effective muffler or silencer.		
District	Permitted Principal Uses	Special Permit Uses (Subject to conformance with additional standards as provided in Article VIII)	Permitted Accessory Uses
LNG	A. As permitted and regulated in the R-2A "District." B. The continued operation and expansion of "landscape nursery and garden centers" on "lots" containing at least 20 acres and having a "frontage" of at least 500 feet on a state or county highway.	As permitted and regulated in the R-2A "District."	A. As permitted and regulated in the R-2A "District." B. On the same "lot" with a "landscape nursery and garden center," any "accessory use" permitted in the PB-B Planned Business "District," including the servicing and repair of items permitted to be sold on the "landscape and nursery and garden center" "premises."
PB-A	A. Stores, other than "restaurants," for the sale of goods at retail or performance of customary personal services or services clearly incident to retail sales. No fabrication or manufacturing shall be permitted, except that which is incident to, and on the same "premises" with, such retail sales, and further provided that such incidental fabrication or manufacturing is conducted entirely within a "building" and does not occupy more than 25% of such store's floor area. B. Business, professional or banking offices. C. Sit-down "restaurants." D. Telephone exchanges, not including outdoor service or storage yards. E. Churches and other places of worship. F. Governmental "buildings" and "uses," including water supply facilities. G. Residential "dwelling units," except not at the first floor level within 150 linear feet of Westchester Avenue. H. "Health, exercise or fitness clubs."	A. "Public utility" substations, transmission lines and facilities serving the area of the Town of Pound Ridge and/or immediately adjacent communities, provided that a compelling public need is demonstrated based upon preparation of an area service plan which minimizes the number of such facilities, maximizes collocation and shared "use" of said facilities, and which study analyzes alternatives to minimize the visual impacts and exposure levels. Where possible, such facilities shall be located on town-owned lands, then lands with commercial or nonresidential "uses," before locating on lands used exclusively for residential purposes. B. Automotive service stations, automotive "garages," automobile repair shops. C. The operation of a new or "used" automobile sales business, provided that all vehicles shall be kept or stored within completely enclosed "buildings." D. "Take-out food establishments," "bakeries," "delicatessens," "sandwich shops" E. "Wireless telecommunication services facilities."	See § 113-46C regarding permitted "uses" in "parking areas." A. "Dish antennas," subject to the requirements of § 113-20.

ZONING CODE

	In any "nonresidence district," no "building" or "premises" shall be "used," and no "building" or group of "buildings" or part of a "building" or "structure" shall be erected, constructed, enlarged, "altered," arranged, "used," in whole or in part, except for one or more of the "uses" set forth below. "Uses" in the PB-B and PB-C zoning "districts" may include a coordinated group of stores designed as a unit. Only those "uses" specifically listed shall be permitted, and any "use" not listed shall be deemed to be prohibited. No "use" shall be permitted which is noxious or offensive by reason of odor, dust, smoke, vibration, radiation, danger of explosion, flashing or excessive light or harmful discharge of waste materials. The "use" of an internal combustion engine shall not be permitted unless objectionable noise and vibration is eliminated and unless it is equipped and "used" with an effective muffler or silencer.		
District	Permitted Principal Uses	Special Permit Uses (Subject to conformance with additional standards as provided in Article VIII)	Permitted Accessory Uses
PB-B	<p>A. Stores, other than "restaurants," for the sale of goods at retail or performance of customary personal services or services clearly incidental to retail sales, except no automobile sales, service stations, "garages," auto repair shops or car washes. No fabrication or manufacturing shall be permitted, except that which is incidental to and on the same "premises" with such retail sale, and further provided that such incidental fabrication or manufacturing is conducted entirely within a "building" and does not occupy more than 25% of such store's floor area.</p> <p>B. Business, professional or banking offices.</p> <p>C. Sit-down "restaurants."</p> <p>D. Telephone exchanges, not including outdoor service or storage yards.</p> <p>E. Places of worship.</p> <p>F. Governmental "buildings" or "uses."</p> <p>G. Residential "dwelling units" on the second and third floor levels only.</p> <p>H. "Health, exercise or fitness clubs."</p>	<p>A. Sewage treatment plants or water supply facilities.</p> <p>B. "Public utility" substations and transmission lines and facilities serving the area of the Town of Pound Ridge and/or immediately adjacent communities, as permitted and regulated in the PB-A "District."</p> <p>C. "Take-out food establishments," "bakeries," "delicatessens," "sandwich shops"</p> <p>D. "Wireless telecommunication services facilities."</p>	<p>A. Off-street parking and loading in accordance with Article X, which shall not be construed to include the storage, display, servicing or dismantling of automobiles or other vehicles.</p> <p>B. Signs as permitted by the Town Sign Law (Chapter 88).</p> <p>C. Fully enclosed refuse-storage facilities.</p> <p>D. Other "uses" customarily incidental and accessory to a permitted principal "use" in this "district" and located on the same "lot" therewith.</p> <p>E. "Dish antennas" subject to the requirements of § 113-20.</p>
PB-C	As permitted and regulated in the PB-B "District," except that land in the PB-C "District" shall not be "used" for "restaurant" purposes.	As permitted and regulated in the PB-B "District," except that land in the PB-C "District" shall not be "used" for "restaurant," "take-out food establishment," "bakery," "delicatessen" or "sandwich shop" purposes.	As permitted and regulated in the PB-B "District."

From: [Nicole Engel](#)
To: [Nicole Engel](#)
Cc: [Nicole Engel](#)
Subject: FW: Pound Ridge Housing Board, reluctant repositioning
Date: Wednesday, December 8, 2021 11:20:34 AM

From: Marc Weisenfreund <WiseLawyer@icloud.com>

Date: December 7, 2021 at 6:28:42 PM EST

To: Melinda Avellino <melindaavellino@gmail.com>, Sharbari Kamat <sharbari.kamat@gmail.com>, Toni Nagle Smith <toninaglesmith@gmail.com>, Namasha Schelling <namasha.schelling@gmail.com>, Catherine Marino MD <ctmarino67@gmail.com>, Marie Moreno <mmoreno@orangebanktrust.com>

Cc: Ali Boak <Aboak@townofpoundridge.com>, Nicole Engel <chiefofstaff@townofpoundridge.com>

Subject: **Pound Ridge Housing Board, reluctant repositioning**

Hello Melinda, Sharbari, Toni, Namasha, Catherine, Marie,

It has been an honor to serve with you on the Pound Ridge Housing Board since it was re-conceived several years ago.

While I look forward to continuing to work with the Board, rather than on the Board, it is with regret that due to time constraints, I will be unable to shoulder the work required of a Board member.

I look forward to participating with the Board as an active observer and participant as time allows.

Marc

Marc Weisenfreund, Esq.
28 Twin Fawn Lane
Pound Ridge, NY 10576
914 656-2814 mobile
WiseLawyer@icloud.com

CAROL A. CIOPPA

92 Fancher Road Pound Ridge, New York 10576
Telephone 914 764 3116 Cell 203 273 7171

December 08, 2021

Kevin Hansen
Pound Ridge Town Supervisor
179 Westchester Avenue
Pound Ridge, NY 10576

Dear Kevin,

I first joined Landmarks in 2003 as a Commission Member. In 2008 I was appointed Chair by the other Commission members and the then Chair Deborah Benjamin who was stepping down. So I have been on Landmarks for 18 years!

It has been a wonderfully fulfilling position. The Commission has seen a number of Landmarks change hands after being in the same family for a long time. The new owners have been excited about taking on the responsibility of owning a Landmark home and in almost every case, we have come to a successful agreement on changes that needed to be made.

We have had a number of terrific steps forward in our quest to encourage homeowners to Landmark their houses. Our new brochure was mailed out to all current Landmarks home owners and to a short list of Landmark Prospects whose homes we would be very excited to add. It also went to all the local realtors in the hope that it would demystify Landmark ownership!

We have recently started a review and assessment of the PR Landmarked Cemeteries. We have finished a number of them already with information on headstone status and general condition along with photos.

So after these 18 years and as I approach my 77th birthday on Friday, It is time for me to step down and to let a younger and enthusiastic Member take over the helm. I see my term ending at the end of December. If help is needed after that, I am happy to support the new Chair in any way that I can.

It has been a total pleasure being on this Commission and being a part of protecting & keeping the character that is so important to Pound Ridge.

Sincerely,



Carol A. Cioppa
Chair
Pound Ridge Landmarks & Historic District Commission

CC: Nicole Engel, Erin Trostle

	Kevin	Les	Alli	Carla	Dan	Diane	Other
Boards & Commissions							
Audit Bills				X			
Board of Assessment Review							N/A
Board of Ethics							N/A
Conservation Board				X			
Criminal Justice Reform Committee			X				
Drug Abuse Prevention Council		X					
Economic Development Committee						X	
Energy Action Committee				X			
Highway Department			X				
Housing Board			X				
Landmarks & Historic District					X		
OEM	X						
Old Pound Road Committee				X			
Open Space					X		
Planning Board				X			
Police Department	X						
Recreation Commission						X	
Water Control Commission		X					
Zoning Board of Appeals					X		
Other							
BCSDNY	X						
East of Hudson Watershed		X					
Environmental Initiatives Advisors							Elyse/Bill Harding
Fire District	X						
Insurance							Harvey Dann
Library Board	X						
New Dawn					X		
Westchester County Shared Services	X						
Sustainable Westchester				X			
WEMS							Dave Ryan
Wireless Communication						X	
Water Wastewater Task Force			X				