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REPLY TO:

Westchester office

January 18, 2019

Honorable Chair Loretta Taylor
and Members of the Planning Board
Town of Cortlandt
1 Heady Street
Cortlandt, New York 10567

RE: Proposed public utility personal wireless facility at the property located at 2143 Albany Post Road, Montrose, Town of Cortlandt, NY

Hon. Chair Taylor and
Members of the Planning Board:

We are the attorneys for New York SMSA Limited Partnership d/b/a Verizon Wireless ("Verizon Wireless") in connection with a proposed public utility personal wireless facility ("Facility") at the above referenced property ("Property"). The Facility consists of antennas on the rooftop of the existing firehouse building ("Building" or "Fire Station Building") at the Property. The Property is owned by Cortlandt Engine Co. Inc., which is also known as Montrose Fire District ("Fire Department"). The Facility meets the highest priority under Chapter 277 of the Town of Cortlandt Code titled Telecommunications Towers ("Wireless Law") since the Facility involves the location of antennas on an existing tall structure, namely the Building. *See* Section 277.7 ("Location") and 277.8 ("Shared Use") of the Wireless Law.

In connection with the application for the proposed Facility which was discussed at your November 7th meeting, please see the following responses submitted with respect to the memo from the Town's Director of the Department of Technical Services, Michael Preziosi, P.E. ("Town Engineer"), dated November 6, 2018 ("Engineering Memo"). A copy of the Engineering Memo is attached hereto as Exhibit 1 for your reference.

Response to the Comments from Engineering Memo:

Comment #1: *Tower owner is not defined. Cortlandt Engine Company is the property owner.*

Response: As detailed below, the Facility is not a "tower." No "tower" is being proposed. Both

the applicant (Verizon Wireless) and the property/Building owner (Cortlandt Engine Co, Inc.) are indicated on Sheet T-1 of the revised plans, dated January 16, 2019, submitted herewith ("Revised Plans").

Comment #2: *The personal wireless facility proposed shall be considered [a] new tower and shall be considered as such. It does not meet the definition of collocation even though it is using an existing structure.*

Response: The Facility is not a "tower" as defined in the Wireless Law. The Facility involves the location of antennas on an existing tall structure, namely the Building. The location of the Facility on the Building is in keeping with the goals and objectives of the Wireless Law to not erect new telecommunications towers but rather utilize existing towers and/or tall structures. Importantly, Section 277-7(A)(1)(a) lists "[o]n existing telecommunications towers or other tall structures" as the highest priority location for telecommunication facilities.

Indeed, Section 277-7(A)(1)(a) provides that "existing telecommunications towers" and "other tall structures," such as the Building in the instant case, are to be treated the same with regard to the location of a proposed personal wireless facility. Section 277-8.A also provides that where collocation on an existing telecommunications tower is "unavailable, location of antennas on other preexisting structures shall be considered and preferred" and that said section further states the **"use of other preexisting structures [is] a preferred alternative to new construction**." Emphasis added.

The Federal Communications Commission ("FCC") issued regulations regarding the collocation of wireless antennas in the Nationwide Programmatic Agreement. In said agreement, the term "collocation" is defined as "the mounting or installation of an antenna on an existing tower, building or structure for the purpose of transmitting and/or receiving radio frequency signals for communications purposes, **whether or not there is an existing antenna on the structure**."[1] Emphasis added. Therefore, the Facility is a "collocation" according to the FCC.

The Town engineer appears to be indicating that the Facility is not a "collocation" as defined under the Town's Wireless Law. However, if the Wireless Law is read as a whole, it is apparent that the Town intended to distinguish between construction of a new tower as "tower" and shared use of existing telecommunication towers and other tall structures as "collocation."

In any event, the fees associated with the Town's review should be those associated with a "collocation." The courts have held that review fees must be reasonably related to the work necessary to review and comment on the application. *See* Metro PCS New York LLC v. City of Mount Vernon, F.Supp.2d 409 (S.D.N.Y. 2010). According to the Town of Cortlandt Department of Technical Services Master Fee Schedule, the fees associated with the construction of a "new tower" are $15,000 and the fees associated with a "collocation" on an existing structure are $5,000. Therefore, it is respectfully submitted that even if this Board somehow construes that the instant

[1] See Appendix B, subsection I.B of https://www.govinfo.gov/content/pkg/CFR-2017-title47-vol1/xml/CFR-2017-title47-vol1-part1.xml

application is for a "new tower," despite the fact that the Facility is utilizing a pre-existing Building, the fees associated with such application must be adjusted to no more than $5,000, such that they are "reasonably related to the review process." *See* Metro PCS, F.Supp.2d 409 (S.D.N.Y. 2010).

With respect to the Facility proposed here on the Building, there is no need for the Town to review construction details of a Telecommunications Tower and/or Structure. In fact there are many requirements related to a "new tower" which are not applicable to the instant application and will not be a part of the Town's review. Such items include, but are not limited to, the "breakpoint" (Section 277-6(H)) and "geomorphic study" (Section 277-6E.(1)(u)). Without the need to review such non-applicable items, the Town's time spent on the application will be correspondingly reduced. Therefore, the fees associated with a "new tower" application are not "reasonably related" to the work necessary to review the instant application for the Facility. Moreover, it is respectfully submitted that since the Facility involves location on an existing structure, namely the Building, the Town's review should be identical to that of a "collocation" on a tower. Therefore, the fees "reasonably related" to the instant application are those fees associated with a "collocation" and not that of a new "tower."

It must also be noted that on September 26, 2018, the Federal Communications Commission ("FCC") adopted the proposed Declaratory Ruling and Third Report and Order ("Declaratory Ruling"), and on September 27, 2018, the FCC released its text. *See* In re Accelerating Wireless Broadband Deployment by Removing Barriers to Infrastructure Investment, Declaratory Ruling and Third Report and Order, Dkt. Nos. 17-79 and 17-84 (adopted Sept. 26, 2018; released Sept. 27, 2018). Similar to the Court's finding in Metro PCS v. Mount Vernon noted above, in the Declaratory Ruling, the FCC ruled that fees are only permitted to the extent that they are nondiscriminatory and represent a reasonable approximation of the locality's reasonable costs. As indicated above, a reasonable approximation of the reasonable costs associated with the Facility are those fees associated with a "collocation."

It is respectfully requested that this Honorable Board find that the fees for this application are those associated with a "collocation." In the alternative, it is requested that a prospective accounting of the expected fees in connection with the Town's review of the application for the Facility be provided, so it can be determined if the fees requested are "reasonably related" to the Town's review.

Comment #3: *Existing building height is 28-ft. The proposed height with new antenna and stealth enclosure is shown to be approximately 35-ft. This is a 25% increase from existing height. Volume of antenna including concealment must be provided.*

Response: The drawings have been revised to include the volume of the antennas with concealment. *See* Sheet SP-4.

Comment #4: *Distance to nearest residential structure is inaccurately identified on SP-2. 4 James Street does not appear to be the nearest habitable structure.*

Response: The drawings have been revised to include the distance to the nearest residential structure (3 Montrose Station Road). *See* Sheet SP-2.

Comment #5: *Note 4 on page SP-2 indicates the applicant proposes to install two (2) antennas with ancillary equipment. The enlarged antenna plan on SP-4 indicates three (3) panel antennas. RF Compliance report indicates 2 antenna at 746, 1900 and 2100 Mhz frequency. Applicant shall clarify.*

Response: Page SP-2 of the Revised Plans has been updated to correctly indicate three (3) panel antennas are proposed for the Facility.

Comment #6: *Stealth screening is indicated in correspondence but not shown on the plans. Only a note pertaining to a canister with RF friendly material.*

Response: Verizon Wireless is proposing stealth screening to shield the antennas from view. Details of same are noted on Pages SP-4 and SP-5 of the Revised Plans and in the Visuals Analysis, as defined below.

Comment #7: *Submittal does not meet the requirements of Town Code Chapter 277-6 through 277-10 including but not limited to:*
a. Structural Analysis is referenced and a certification letter attached. Analysis shall be submitted and connection details to the existing structure provided.
b. Tower Needs Assessment shall be submitted in accordance with FCC Rules and Regulations.
c. Siting and Visual Analysis is required.

Response: In response to this comment, please note the following:

a. A full structural analysis report demonstrating that the Building can support Verizon Wireless' Facility is attached hereto as Exhibit 2.
b. A Tower Needs Assessment (a/k/a RF Affidavit) was previously submitted with the initial application as Exhibit 5 to the Memorandum in Support. For your convenience, another copy of the RF Affidavit is attached hereto as Exhibit 3.
c. A visual analysis (a/k/a photo simulation) indicating the stealth screening for the antennas has been prepared by FPA ("Visual Analysis") and is attached hereto as Exhibit 4.

Comment #8: *The submitted RF Compliance and Assessment Report concludes that the rooftop analysis shows the calculated RF levels on the main roof potentially exceed the FCC MPE limit. Reference is made to install RF alert signage. Applicant shall clarify if the tower is in compliance and provide details of required FCC equipment.*

Response: The Antennas Site FCC Compliance Assessment and Report ("RF Report") dated October 16, 2018, prepared by Pinnacle Telecom Group and previously submitted as Exhibit 1 to the Memorandum in Support, concludes that "[t]he results of the calculations, along with the described RF mitigation, combine to satisfy the FCC's RF compliance requirements and associated guidelines." In connection therewith, RF Alert Signage has been added to the Revised Plans. *See* Sheet SP-4.

Comment #9: *The Applicant's Attorney represents that the existing structure is a "tall" structure. Reference to applicable Town Code shall be provided.*

Response: The Town Code of the Town of Cortlandt, including the Wireless Law, does not define the term "tall." In Matter of Allen v. Adami, New York State' s highest court, the Court of Appeals, held that "[s]ince zoning regulations are in derogation of the common law, they must be strictly construed against the municipality which has enacted and seeks to enforce them." Matter of Allen v. Adami, 39 N.Y.2d 275, 277, 383 N.Y.S.2d 565 (1976). The Court of Appeals further held that "[a]ny ambiguity in the language used in such regulations must be resolved in favor of the property owner." Adami, 39 N.Y.2d 275, 277 (1976). Therefore, the Town Code, including the Wireless Law, must be read in favor of the applicant in this matter.

The Building on which Verizon Wireless proposes to collocate its antennas is of a height sufficient to provide the desired coverage and remedy Verizon Wireless' coverage issues in the area. Therefore, it is a structure that is "tall" enough on which to locate the Facility. As noted in the RF Affidavit attached hereto as Exhibit 3, the collocation of Verizon Wireless' antennas on the Building adequately fills the gap in wireless coverage in the immediate area of the Building and also alleviates the capacity issues Verizon Wireless is currently experiencing in its network.

Comment #10: *The Applicant is advised that Kingsferry Road and Albany Post Road / US Route 9A is identified as an historic road and documented in the Survey and Assessment of Historic Roads1. It is listed as part of the Washington-Rochambeau Route. Comment as to towers impact to historic character.*

Response: It is respectfully submitted that the Facility has no impact to the historic character of Kingsferry Road and/or Albany Post Road in conformance with Chapter 188 of the Town Code. The Facility consists of small panel antennas concealed from view by being located within a stealth enclosure which blends in with the existing Building features on the Property. Verizon Wireless' proposal also does not include any construction or alteration to the surrounding roadways, access drives, sidewalks, stone walls, mature trees, woodlands, meadows, water bodies, scenic vistas or historic/scenic structures. Moreover, the Facility will provide a benefit to motorists and emergency services personnel by improving wireless communications in the area.

Comment #11: *Applicant shall provide a property survey. Applicant shall provide a copy of the lease agreement and clearly delineate access to the proposed equipment area plan.*

Response: A property survey has been incorporated as a part of SP-1. Although not required under the Wireless Law, a redacted copy of the Lease Agreement between Verizon Wireless and the Montrose Fire District is attached hereto as Exhibit 5. While it is respectfully submitted that the Lease Agreement provides for access to the equipment area, the Revised Plans have been updated to delineate access to same. *See* Sheet SP-2.

Comment #12: *Applicant shall clarify if the proposed equipment area plan impacts windows, doors or emergency ways of egress from the building. Similarly access to the equipment area shall be shown on revised plans.*

Response: Verizon Wireless' equipment is proposed to be located along the north side of the Building where there are no windows, doors or emergency ways of egress. *See* Note on Sheet SP-3. The Revised Plans have also been updated to delineate access to the equipment area. See Sheet SP-2.

Comment #13: *Applicant shall clarify and demonstrate that Verizon equipment meets all requirements of the NYS Uniform Code, National Electric Safety Code and National Electric code for proposed location mounted against the building exterior. Plans shall indicate model type of proposed equipment, consistent with RF and Structural Analyses.*

Response: The Revised Plans have been updated to indicate that Verizon Wireless' Facility meets applicable code requirements. *See* Sheet T-1. The Revised Plans have been further modified to include the model type of Verizon Wireless' antennas and equipment. *See* Sheet SP-4.

Comment #14: *Applicant shall provide details for equipment area slab and provisions for emergency power. Applicant shall indicate if a separate generator is required for tower.*

Response: In the instant application, Verizon Wireless is not proposing an equipment pad or "slab" but rather the majority of Verizon Wireless' equipment will be mounted on the wall of the Building together with a unistrut H-Frame within a fenced compound. With respect to emergency power, there is no separate generator being proposed.

Conclusion

As detailed above, Verizon Wireless' Facility involves the location of antennas on an existing tall structure, namely the Fire Station Building. Said Facility has been sited as the first priority location for telecommunications facilities in the Town under the Wireless Law. Such location of antennas sharing the use of an existing structure involves a "collocation", as the FCC has defined such term and in accordance with the Wireless Law when reviewed in its totality. The Facility does not involve the construction of a new "tower" and therefore the instant application should not be treated as an application for a "tower." Notwithstanding the above, in connection with Section 277-14.B of the Wireless Law and pursuant to the request of this Honorable Board, Verizon Wireless submits a check, enclosed herewith, in the amount of $7,500.00 in connection with the fee for a consultant to assist this Board regarding the application.[2]

Additionally, on November 18, 2009, the FCC issued a Declaratory Ruling regarding timely review of applications for siting of wireless facilities, WT Docket NO. 08-165 (the "Shot

[2] Please note that such fee is submitted under protest and Verizon Wireless reserves the right to challenge same.

Clock Order").[3] The Shot Clock Order finds that a "reasonable period of time" for a local government to act on this type of application is presumptively 90 days.[4] According to the Shot Clock Order, if the Town fails to act within such reasonable period of time, the applicant may commence an action in court for "failure to act" under Section 332(c) (7)(B)(v) of the Federal Communications Act.

We look forward to discussing this matter further with the Planning Board at the February 5th meeting. If you have any questions, please call me or Leslie Snyder at (914) 333-0700.

Respectfully submitted,
Snyder & Snyder, LLP

By: _____
Michael P. Sheridan

Enclosures
cc: Verizon Wireless
Z:\SSDATA\WPDATA\SS4\WP\NEWBANM\BREYER\SMALL CELL SITES\ALBANY POST RD\ZONING\LJSRESPONSE LETTERJAN2019MS.FIN.DOCX

[3] A copy of the Rule is available at http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-09-99A1.pdf.
[4] Rule, ¶71.

EXHIBIT 1
Engineering Memo

TOWN OF CORTLANDT
DEPARTMENT OF TECHNICAL SERVICES
ENGINEERING DIVISION

Michael Preziosi, P.E.
Director – D.O.T.S

Arthur D'Angelo, Jr., P.E.
Deputy Director
D.O.T.S – Engineering

Town Hall, 1 Heady Street
Cortlandt Manor, NY 10567
Main #: 914-734-1060
Fax #: 914-734-1066

REVIEW MEMORANDUM

To: Town of Cortlandt Planning Board

Cc: Chris Kehoe, AICP – Deputy Director – Planning, Department of Technical Services
Tom Wood / Michael Cunningham ESQ. – Town Attorney / Asst. Town Attorney

From: Michael Preziosi, P.E. – Director, Department of Technical Services
Michael Preziosi, P.E.

Date: November 6, 2018

RE: PB 2018-26 New York SMSA Limited Partnership, d/b/a Verizon Wireless
Cortlandt Engine Company 2143 Albany Post Road (43.20-4-42)

I have reviewed the 9 page set of drawings entitled "Zoning Drawings Albany Post Road" prepared by Peter J. Tardy, P.E. dated October 10, 2018 and "Statement of Support" prepared by Snyder and Snyder and offer the following comments pertaining to this Application.

1. Tower owner is not defined. Cortlandt Engine Company is the property owner.
2. The personal wireless facility proposed shall be considered new tower and shall be considered as such. It does not meet the definition of collocation even though it is using an existing structure.
3. Existing building height is 28-ft. The proposed height with new antenna and stealth enclosure is shown to be approximately 35-ft. This is a 25% increase from existing height. Volume of antenna including concealment must be provided.
4. Distance to nearest residential structure is inaccurately identified on SP-2. 4 James Street does not appear to be the nearest habitable structure.
5. Note 4 on page SP-2 indicates the applicant proposes to install two (2) antennas with ancillary equipment. The enlarged antenna plan on SP-4 indicates three (3) panel antennas. RF Compliance report indicates 2 antenna at 746, 1900 and 2100 Mhz frequency. Applicant shall clarify.
6. Stealth screening is indicated in correspondence but not shown on the plans. Only a note pertaining to a canister with RF friendly material.

7. Submittal does not meet the requirements of Town Code Chapter 277-6 through 277-10 including but not limited to:

    a. Structural Analysis is referenced and a certification letter attached. Analysis shall be submitted and connection details to the existing structure provided.

    b. Tower Needs Assessment shall be submitted in accordance with FCC Rules and Regulations.

    c. Siting and Visual Analysis is required.

8. The submitted RF Compliance and Assessment Report concludes that the rooftop analysis shows the calculated RF levels on the main roof potentially exceed the FCC MPE limit. Reference is made to install RF alert signage. Applicant shall clarify if the tower is in compliance and provide details of required FCC equipment.

9. The Applicant's Attorney represents that the existing structure is a "tall" structure. Reference to applicable Town Code shall be provided.

10. The Applicant is advised that Kingsferry Road and Albany Post Road / US Route 9A is identified as an historic road and documented in the Survey and Assessment of Historic Roads[1]. It is listed as part of the Washington-Rochambeau Route. Comment as to towers impact to historic character.

11. Applicant shall provide a property survey. Applicant shall provide a copy of the lease agreement and clearly delineate access to the proposed equipment area plan.

12. Applicant shall clarify if the proposed equipment area plan impacts windows, doors or emergency ways of egress from the building. Similarly access to the equipment area shall be shown on revised plans.

13. Applicant shall clarify and demonstrate that Verizon equipment meets all requirements of the NYS Uniform Code, National Electric Safety Code and National Electric code for proposed location mounted against the building exterior. Plans shall indicate model type of proposed equipment, consistent with RF and Structural Analyses.

14. Applicant shall provide details for equipment area slab and provisions for emergency power. Applicant shall indicate if a separate generator is required for tower.

It is unclear from the information submitted that this application is a small wireless facility. The burden of proof is the responsibility of the Applicant. Since this application is incomplete, I recommend adjourning until required information is submitted and the Application is reviewed and deemed complete. Additional comments may arise during subsequent review. Error or omission of a comment does not mean acceptance by the Town of Cortlandt.

Cc: Applicant / Snyder and Snyder, LLP

[1] Accessible at http://www.townofcortlandt.com/FCpdf/Historical%20Roads%20Draft.pdf

EXHIBIT 2
Structural Report

FRENCH & PARRELLO ASSOCIATES

Corporate Office
1800 Route 34, Suite 101
Wall, NJ 07719

Regional Offices
Hackettstown, NJ
New York, NY

November 20, 2018
Revised: January 16, 2019

TOWN OF CORTLANDT
1 Heady Street
Cortlandt Manor, NY 10567

Re: Structural Analysis
Albany Post Road_SC
2143 Albany Post Road
Montrose, NY 10548
FPA No. 9287.020

To Whom It May Concern:

New York SMSA Limited Partnership d/b/a Verizon Wireless ("Verizon Wireless") proposes to install a public utility wireless communication facility at the above referenced property. French & Parrello Associates, PA ("FPA") has performed a Structural Analysis.

The proposed facility will consist of small cell equipment at grade within a new fenced area and three antenna sectors (Alpha, Beta, and Gamma) located on the roof. Verizon Wireless proposes to install three (3) panel antennas mounted within a new concealment cylinder on the roof and one (1) GPS unit on a pipe mast. Verizon Wireless equipment will consist of (9) small cell units, telco cube, and electric panel mounted on unistrut attached to the building facade near grade and utility meter, disconnect, MTS panel, and lug box mounted on a H-frame.

Based on our Structural Analysis, the proposed antenna support systems and existing building are capable of supporting the proposed antenna and equipment configuration and loads in accordance with all applicable design codes. All installation details shall be in accordance with the signed and sealed construction drawings prepared by FPA. If conditions are found to be different than those depicted above, FPA should be notified immediately.

Should you have any questions or comments, please do not hesitate to contact us.

Very truly yours,

FRENCH & PARRELLO ASSOCIATES

STATE OF NEW YORK
PETER J. TARDY
079612
LICENSED PROFESSIONAL ENGINEER

Peter J. Tardy, PE, Vice President
NY Professional Engineering License No. 079612

FRENCH & PARRELLO ASSOCIATES

Site Name: Albany Post Road_SC | **Verizon Small Cell** | November 20, 2018

Rooftop Antenna Support | Structural Analysis

SITE INFORMATION

Address:	2143 Albany Post Road Montrose, NY 10548	Condition:	Fair

DESIGN CRITERIA

APPLICABLE CODES & STANDARDS

All design criteria and loads are in accordance with the 2015 Building Code of New York State in conjunction with ASCE 7-10.

WIND LOAD - Exposure B

V = 115 mph	h = 33 ft	Risk Cat. = II	G = 0.85
K_{ZT} = 1.00	K_d = 0.85	K_Z = 0.71	q_z = 20.5 psf

SNOW LOAD

ρ_g = 30 psf I = 1.0

C_e = 1.0 C_t = 1.0

ρ_f = 21 psf

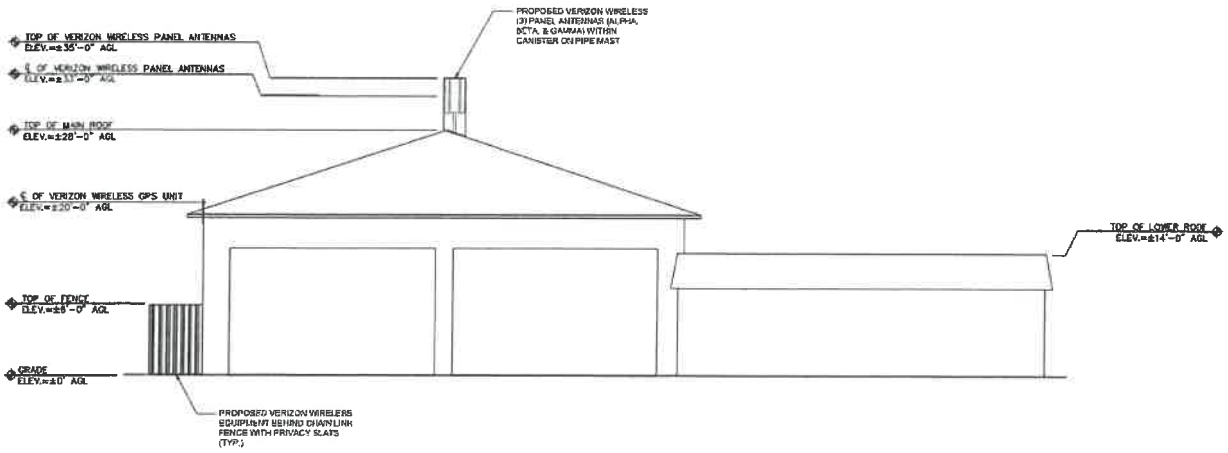
SEISMIC

The proposed antennas and their electrical and mechanical components are exempt from seismic requirements as per ASCE 7-10 Section 13.1.4 Exception 5. "Mechanical and electrical components in structures assigned to Seismic Design Category C provided the importance factor (IP) is equal to 1.0"

REFERENCED DOCUMENTS

Item	Author/Provider	Date
Existing Construction Drawings	*FPA*	*9/1/2015*
Site Audit Photographs	*FPA*	*9/26/2014*
Existing Structural	*NA*	*NA*
Radio Frequency Data Sheet (RFDS)	*T-Mobile*	*2/3/2016*

BUILDING ELEVATION



FRENCH & PARRELLO ASSOCIATES

Site ID: Albany Post Road_SC **Verizon Small Cell** November 20, 2018

ALPHA/BETA/GAMMA SECTOR CANISTER MOUNT

Proposed Canister 30" Dia. X 72" Canister

height: 72.0 in diameter: 30.0 in

area: 15.00 sq-ft

Dimensions

h_{ant} = 33 ft *(to grade)*

Loads

Wind Load (WL) = 126 lbs (C_f = 0.8)

RAM ELEMENTS MODEL

See attached RAM Elements analysis.

Therefore, the proposed antenna mount and building are STRUCTURALLY ADEQUATE to support the proposed design loads in accordance with the local building codes.

SECTOR EQUIPMENT (per sector)				
Proposed RRH	ALU B13 RRH4X30W			
height: 20.9 in	width: 11.8 in	depth: 7.5 in	weight: 56 lbs	
Proposed RRH	ALU B25 RRH4X30			
height: 21.2 in	width: 12.0 in	depth: 7.2 in	weight: 53 lbs	
Proposed RRH	ALU B66A RRH4X45W			
height: 25.8 in	width: 11.8 in	depth: 7.2 in	weight: 57 lbs	
Proposed Rectifiers	Delta Rectifier			
height: 14.1 in	width: 8.3 in	depth: 3.5 in	weight: 14 lbs	

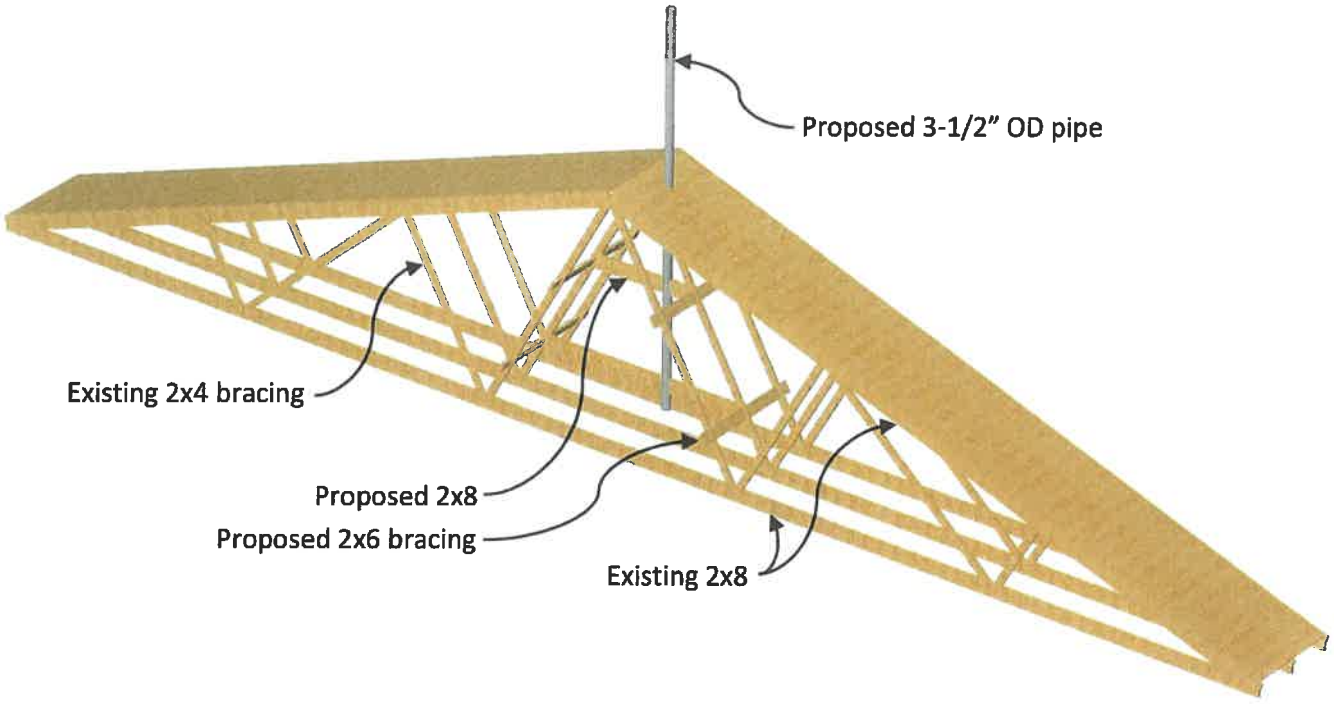
UNISTRUT CONNECTIONS

Anchor Bolts (per unistrut rail)

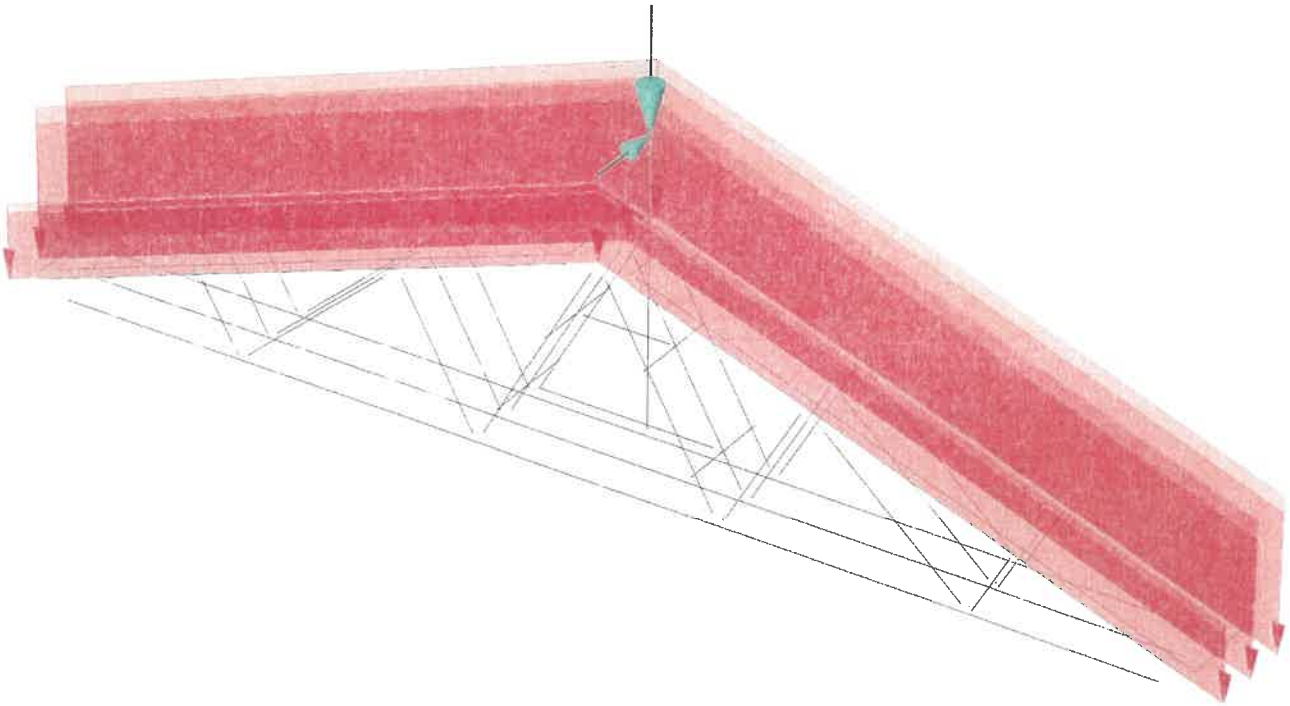
Anchor Size: 1/2"φ Hilti HY70 No: 3

V_{allow} = 2.01 kip < $V_{applied}$ = 0.21 kip ✓ 10%

Therefore, the proposed connections are structurally adequate.

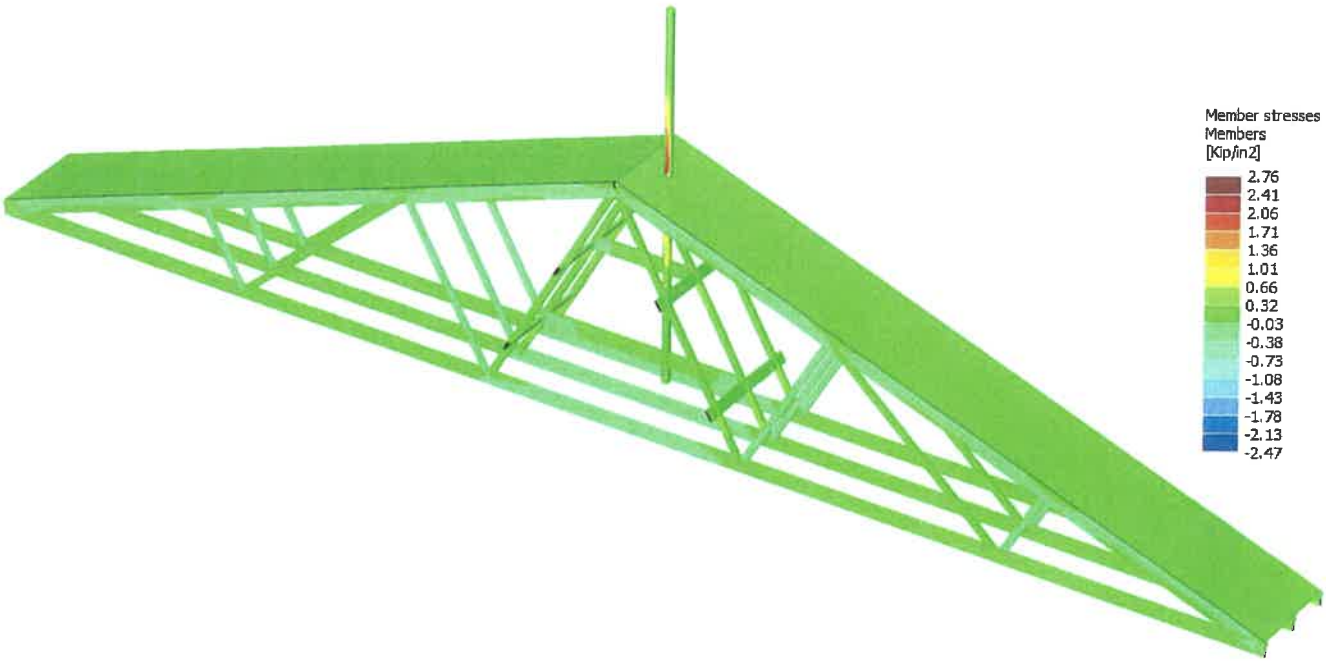


Rendering



Applied Loads

Dead, Live, Snow & Wind Loads



Stress Diagram

Bentley

Current Date: 11/20/2018 3:44 PM
Units system: English
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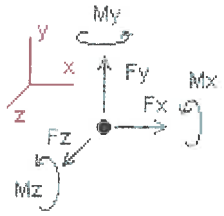
Analysis result

Envelope for nodal reactions

Note.- **Ic** is the controlling load condition



Direction of positive forces and moments

Envelope of nodal reactions for :
C1=DL+WL
C2=DL+0.75WL+0.75SL
C3=DL+0.75WL+0.75LLR
C4=DL+SL
C5=DL+LLR
C6=DL+WL

Node		Forces						Moments					
		Fx [Kip]	Ic	Fy [Kip]	Ic	Fz [Kip]	Ic	Mx [Kip*ft]	Ic	My [Kip*ft]	Ic	Mz [Kip*ft]	Ic
1	Max	3.056	C5	2.177	C5	-0.224	C1	0.00000	C1	0.00000	C1	0.00000	C1
	Min	1.489	C1	1.030	C1	-0.353	C3	0.00000	C1	0.00000	C1	0.00000	C1
2	Max	-1.479	C1	2.184	C5	-0.225	C1	0.00000	C1	0.00000	C1	0.00000	C1
	Min	-3.040	C5	1.036	C1	-0.352	C3	0.00000	C1	0.00000	C1	0.00000	C1
5	Max	0.000	C1	0.000	C1	0.000	C1	0.00000	C1	0.00000	C1	0.00000	C1
	Min	0.000	C1	0.000	C1	0.000	C5	0.00000	C1	0.00000	C1	0.00000	C1
7	Max	0.000	C1	0.000	C1	-0.005	C4	0.00000	C1	0.00000	C1	0.00000	C1
	Min	0.000	C1	0.000	C1	-0.010	C3	0.00000	C1	0.00000	C1	0.00000	C1
9	Max	0.000	C1	0.000	C1	0.000	C1	0.00000	C1	0.00000	C1	0.00000	C1
	Min	0.000	C1	0.000	C1	0.000	C5	0.00000	C1	0.00000	C1	0.00000	C1
11	Max	0.000	C1	0.000	C1	-0.007	C4	0.00000	C1	0.00000	C1	0.00000	C1
	Min	0.000	C1	0.000	C1	-0.015	C3	0.00000	C1	0.00000	C1	0.00000	C1
26	Max	2.812	C5	2.222	C5	2.274	C5	0.00000	C1	0.00000	C1	0.00000	C1
	Min	1.748	C1	1.192	C1	1.228	C1	0.00000	C1	0.00000	C1	0.00000	C1
27	Max	-1.765	C1	2.224	C5	2.277	C5	0.00000	C1	0.00000	C1	0.00000	C1
	Min	-2.823	C5	1.200	C1	1.236	C1	0.00000	C1	0.00000	C1	0.00000	C1
30	Max	0.000	C1	0.000	C1	0.000	C1	0.00000	C1	0.00000	C1	0.00000	C1
	Min	0.000	C1	0.000	C1	0.000	C3	0.00000	C1	0.00000	C1	0.00000	C1
32	Max	0.000	C1	0.000	C1	-0.004	C4	0.00000	C1	0.00000	C1	0.00000	C1
	Min	0.000	C1	0.000	C1	-0.010	C3	0.00000	C1	0.00000	C1	0.00000	C1
34	Max	0.000	C1	0.000	C1	0.000	C1	0.00000	C1	0.00000	C1	0.00000	C1
	Min	0.000	C1	0.000	C1	0.000	C3	0.00000	C1	0.00000	C1	0.00000	C1
36	Max	0.000	C1	0.000	C1	-0.007	C4	0.00000	C1	0.00000	C1	0.00000	C1

	Min	0.000	C1	0.000	C1	-0.015	C3	0.00000	C1	0.00000	C1	0.00000	C1
41	Max	1.246	C5	1.066	C5	-0.453	C1	0.00000	C1	0.00000	C1	0.00000	C1
	Min	0.236	C1	0.362	C1	-1.262	C5	0.00000	C1	0.00000	C1	0.00000	C1
42	Max	-0.223	C1	1.064	C5	-0.447	C1	0.00000	C1	0.00000	C1	0.00000	C1
	Min	-1.241	C5	0.356	C1	-1.260	C5	0.00000	C1	0.00000	C1	0.00000	C1
45	Max	0.000	C1	0.000	C1	0.000	C1	0.00000	C1	0.00000	C1	0.00000	C1
	Min	0.000	C1	0.000	C1	0.000	C5	0.00000	C1	0.00000	C1	0.00000	C1
47	Max	0.000	C1	0.000	C1	-0.005	C4	0.00000	C1	0.00000	C1	0.00000	C1
	Min	0.000	C1	0.000	C1	-0.011	C3	0.00000	C1	0.00000	C1	0.00000	C1
49	Max	0.000	C1	0.000	C1	0.000	C1	0.00000	C1	0.00000	C1	0.00000	C1
	Min	0.000	C1	0.000	C1	0.000	C5	0.00000	C1	0.00000	C1	0.00000	C1
51	Max	0.000	C1	0.000	C1	-0.007	C4	0.00000	C1	0.00000	C1	0.00000	C1
	Min	0.000	C1	0.000	C1	-0.015	C3	0.00000	C1	0.00000	C1	0.00000	C1

Maximum relative deflections

Remark.- Magnitude of deflections in absolute value.

CONDITION **C1=DL+WL**

Member	Defl. (2) [in]		@(%)	Defl. (3) [in]		@(%)
1	0.09417	(L/7136)	25.00000	0.01566	(< L/10000)	50.00000
2	0.07404	(L/4819)	50.00000	0.02482	(< L/10000)	50.00000
3	0.07341	(L/4860)	50.00000	0.02447	(< L/10000)	62.50000
4	0.00029	(< L/10000)	50.00000	0.00000	(< L/10000)	50.00000
5	0.02036	(L/5898)	50.00000	0.00000	(< L/10000)	37.50000
6	0.00454	(< L/10000)	50.00000	0.00000	(< L/10000)	50.00000
7	0.00442	(< L/10000)	50.00000	0.03519	(L/3908)	50.00000
8	0.00029	(< L/10000)	50.00000	0.00000	(< L/10000)	37.50000
9	0.02036	(L/5898)	50.00000	0.00000	(< L/10000)	62.50000
10	0.00454	(< L/10000)	50.00000	0.00000	(< L/10000)	37.50000
11	0.00363	(< L/10000)	87.50000	0.05525	(L/2489)	50.00000
12	0.01329	(< L/10000)	50.00000	0.11226	(L/1710)	50.00000
13	0.00066	(< L/10000)	75.00000	0.01828	(L/2942)	62.50000
14	0.00441	(< L/10000)	62.50000	0.07010	(L/1534)	50.00000
15	0.00100	(< L/10000)	50.00000	0.00773	(L/7762)	37.50000
16	0.00167	(< L/10000)	50.00000	0.00574	(< L/10000)	37.50000
17	0.00073	(< L/10000)	75.00000	0.00561	(< L/10000)	37.50000
18	0.00030	(< L/10000)	50.00000	0.00579	(< L/10000)	37.50000
19	0.12953	(L/5188)	50.00000	0.01188	(< L/10000)	50.00000
20	0.09088	(L/3926)	50.00000	0.02325	(< L/10000)	50.00000
21	0.09031	(L/3951)	50.00000	0.02282	(< L/10000)	50.00000
22	0.00029	(< L/10000)	50.00000	0.00000	(< L/10000)	50.00000
23	0.02036	(L/5898)	50.00000	0.00000	(< L/10000)	37.50000
24	0.00454	(< L/10000)	50.00000	0.00000	(< L/10000)	50.00000
25	0.02117	(L/6498)	50.00000	0.03635	(L/3784)	50.00000
26	0.00029	(< L/10000)	50.00000	0.00000	(< L/10000)	37.50000
27	0.02036	(L/5898)	50.00000	0.00000	(< L/10000)	62.50000
28	0.00454	(< L/10000)	50.00000	0.00000	(< L/10000)	37.50000
29	0.02551	(L/5392)	50.00000	0.05680	(L/2422)	50.00000
32	0.05279	(< L/10000)	75.00000	0.00818	(< L/10000)	62.50000
34	0.04314	(L/8269)	50.00000	0.02671	(< L/10000)	50.00000
33	0.04324	(L/8251)	50.00000	0.02717	(< L/10000)	50.00000
35	0.00029	(< L/10000)	50.00000	0.00000	(< L/10000)	50.00000
36	0.02036	(L/5898)	50.00000	0.00000	(< L/10000)	37.50000
37	0.00454	(< L/10000)	50.00000	0.00000	(< L/10000)	37.50000
38	0.01778	(L/7735)	50.00000	0.03699	(L/3718)	50.00000
39	0.00029	(< L/10000)	50.00000	0.00000	(< L/10000)	37.50000
40	0.02036	(L/5898)	50.00000	0.00000	(< L/10000)	62.50000
41	0.00454	(< L/10000)	50.00000	0.00000	(< L/10000)	50.00000
42	0.01086	(< L/10000)	37.50000	0.05687	(L/2419)	50.00000

CONDITION **C2=DL+0.75WL+0.75SL**

Member	Defl. (2) [in]		@(%)	Defl. (3) [in]		@(%)
1	0.14771	(L/4550)	25.00000	0.01573	(< L/10000)	50.00000
2	0.11872	(L/3005)	50.00000	0.03600	(L/9912)	50.00000
3	0.11784	(L/3028)	50.00000	0.03560	(< L/10000)	50.00000
4	0.00029	(< L/10000)	50.00000	0.00000	(< L/10000)	50.00000
5	0.02036	(L/5898)	50.00000	0.00000	(< L/10000)	37.50000
6	0.00454	(< L/10000)	50.00000	0.00000	(< L/10000)	37.50000
7	0.00515	(< L/10000)	50.00000	0.02290	(L/6006)	50.00000
8	0.00029	(< L/10000)	50.00000	0.00000	(< L/10000)	75.00000
9	0.02036	(L/5898)	50.00000	0.00000	(< L/10000)	50.00000
10	0.00454	(< L/10000)	50.00000	0.00000	(< L/10000)	37.50000
11	0.00461	(< L/10000)	87.50000	0.04711	(L/2919)	50.00000
12	0.01877	(< L/10000)	50.00000	0.08702	(L/2206)	50.00000
13	0.00138	(< L/10000)	75.00000	0.01568	(L/3428)	62.50000
14	0.00764	(< L/10000)	62.50000	0.05577	(L/1928)	50.00000
15	0.00091	(< L/10000)	50.00000	0.00771	(L/7782)	37.50000
16	0.00205	(< L/10000)	50.00000	0.00539	(< L/10000)	37.50000
17	0.00063	(< L/10000)	75.00000	0.00540	(< L/10000)	37.50000
18	0.00107	(< L/10000)	50.00000	0.00565	(< L/10000)	50.00000
19	0.19638	(L/3422)	37.50000	0.01324	(< L/10000)	50.00000
20	0.14422	(L/2474)	50.00000	0.03277	(< L/10000)	50.00000
21	0.14353	(L/2486)	50.00000	0.03240	(< L/10000)	50.00000
22	0.00029	(< L/10000)	50.00000	0.00000	(< L/10000)	50.00000
23	0.02036	(L/5898)	50.00000	0.00000	(< L/10000)	37.50000
24	0.00454	(< L/10000)	50.00000	0.00000	(< L/10000)	37.50000
25	0.01739	(L/7908)	50.00000	0.02347	(L/5860)	50.00000
26	0.00029	(< L/10000)	50.00000	0.00000	(< L/10000)	25.00000
27	0.02036	(L/5898)	50.00000	0.00000	(< L/10000)	62.50000
28	0.00454	(< L/10000)	50.00000	0.00000	(< L/10000)	37.50000
29	0.01891	(L/7273)	50.00000	0.04829	(L/2848)	50.00000
32	0.08784	(L/7650)	75.00000	0.00929	(< L/10000)	62.50000
34	0.07094	(L/5029)	50.00000	0.03826	(L/9325)	50.00000
33	0.07117	(L/5013)	50.00000	0.03872	(L/9215)	50.00000
35	0.00029	(< L/10000)	50.00000	0.00000	(< L/10000)	50.00000
36	0.02036	(L/5898)	50.00000	0.00000	(< L/10000)	37.50000
37	0.00454	(< L/10000)	50.00000	0.00000	(< L/10000)	50.00000
38	0.01515	(L/9076)	50.00000	0.02404	(L/5720)	50.00000
39	0.00029	(< L/10000)	50.00000	0.00000	(< L/10000)	62.50000
40	0.02036	(L/5898)	50.00000	0.00000	(< L/10000)	62.50000
41	0.00454	(< L/10000)	50.00000	0.00000	(< L/10000)	12.50000
42	0.00541	(< L/10000)	25.00000	0.04801	(L/2865)	50.00000

CONDITION **C3=DL+0.75WL+0.75LLR**

Member	Defl. (2) [in]		@(%)	Defl. (3) [in]		@(%)
1	0.17065	(L/3938)	25.00000	0.01703	(< L/10000)	50.00000
2	0.13788	(L/2588)	50.00000	0.04165	(L/8567)	50.00000
3	0.13688	(L/2607)	50.00000	0.04123	(L/8654)	50.00000
4	0.00029	(< L/10000)	50.00000	0.00000	(< L/10000)	75.00000
5	0.02036	(L/5898)	50.00000	0.00000	(< L/10000)	37.50000
6	0.00454	(< L/10000)	50.00000	0.00000	(< L/10000)	37.50000
7	0.00558	(< L/10000)	37.50000	0.02176	(L/6319)	50.00000
8	0.00029	(< L/10000)	50.00000	0.00000	(< L/10000)	37.50000
9	0.02036	(L/5898)	50.00000	0.00000	(< L/10000)	62.50000
10	0.00454	(< L/10000)	50.00000	0.00000	(< L/10000)	50.00000
11	0.00503	(< L/10000)	87.50000	0.04896	(L/2809)	50.00000
12	0.02112	(L/9092)	50.00000	0.08794	(L/2183)	50.00000
13	0.00169	(< L/10000)	75.00000	0.01632	(L/3294)	62.50000
14	0.00902	(< L/10000)	62.50000	0.05690	(L/1890)	62.50000
15	0.00087	(< L/10000)	50.00000	0.00783	(L/7667)	37.50000
16	0.00221	(< L/10000)	50.00000	0.00541	(< L/10000)	37.50000
17	0.00061	(< L/10000)	75.00000	0.00554	(< L/10000)	37.50000
18	0.00141	(< L/10000)	50.00000	0.00568	(< L/10000)	50.00000
19	0.22685	(L/2962)	37.50000	0.01449	(< L/10000)	50.00000
20	0.16770	(L/2128)	50.00000	0.03781	(L/9436)	50.00000
21	0.16694	(L/2137)	50.00000	0.03743	(L/9533)	50.00000
22	0.00029	(< L/10000)	50.00000	0.00000	(< L/10000)	50.00000
23	0.02036	(L/5898)	50.00000	0.00000	(< L/10000)	37.50000

24	0.00454	(< L/10000)	50.00000	0.00000	(< L/10000)	37.50000
25	0.01769	(L/7776)	50.00000	0.02227	(L/6176)	50.00000
26	0.00029	(< L/10000)	50.00000	0.00000	(< L/10000)	62.50000
27	0.02036	(L/5898)	50.00000	0.00000	(< L/10000)	62.50000
28	0.00454	(< L/10000)	50.00000	0.00000	(< L/10000)	50.00000
29	0.01818	(L/7565)	50.00000	0.05016	(L/2742)	50.00000
32	0.10149	(L/6621)	75.00000	0.01030	(< L/10000)	62.50000
34	0.08225	(L/4338)	50.00000	0.04413	(L/8084)	50.00000
33	0.08252	(L/4324)	50.00000	0.04463	(L/7995)	50.00000
35	0.00029	(< L/10000)	50.00000	0.00000	(< L/10000)	25.00000
36	0.02036	(L/5898)	50.00000	0.00000	(< L/10000)	37.50000
37	0.00454	(< L/10000)	50.00000	0.00000	(< L/10000)	25.00000
38	0.01594	(L/8626)	50.00000	0.02281	(L/6029)	50.00000
39	0.00029	(< L/10000)	50.00000	0.00000	(< L/10000)	37.50000
40	0.02036	(L/5898)	50.00000	0.00000	(< L/10000)	62.50000
41	0.00454	(< L/10000)	50.00000	0.00000	(< L/10000)	50.00000
42	0.00526	(< L/10000)	25.00000	0.04974	(L/2765)	50.00000

CONDITION **C4=DL+SL**

Member	**Defl. (2) [in]**		**@(%)**	**Defl. (3) [in]**		**@(%)**
1	0.16555	(L/4059)	25.00000	0.00787	(< L/10000)	50.00000
2	0.13362	(L/2670)	50.00000	0.03434	(< L/10000)	50.00000
3	0.13265	(L/2690)	50.00000	0.03420	(< L/10000)	50.00000
4	0.00029	(< L/10000)	50.00000	0.00000	(< L/10000)	50.00000
5	0.02036	(L/5898)	50.00000	0.00000	(< L/10000)	37.50000
6	0.00454	(< L/10000)	50.00000	0.00000	(< L/10000)	37.50000
7	0.00548	(< L/10000)	37.50000	0.01726	(L/7971)	75.00000
8	0.00029	(< L/10000)	50.00000	0.00000	(< L/10000)	37.50000
9	0.02036	(L/5898)	50.00000	0.00000	(< L/10000)	62.50000
10	0.00454	(< L/10000)	50.00000	0.00000	(< L/10000)	25.00000
11	0.00493	(< L/10000)	87.50000	0.01120	(< L/10000)	50.00000
12	0.02058	(L/9329)	50.00000	0.00557	(< L/10000)	50.00000
13	0.00162	(< L/10000)	75.00000	0.00390	(< L/10000)	62.50000
14	0.00871	(< L/10000)	62.50000	0.00741	(< L/10000)	62.50000
15	0.00088	(< L/10000)	50.00000	0.00724	(L/8291)	50.00000
16	0.00218	(< L/10000)	50.00000	0.00467	(< L/10000)	50.00000
17	0.00042	(< L/10000)	75.00000	0.00431	(< L/10000)	50.00000
18	0.00133	(< L/10000)	50.00000	0.00567	(< L/10000)	50.00000
19	0.20992	(L/3201)	37.50000	0.00949	(< L/10000)	50.00000
20	0.15811	(L/2257)	50.00000	0.02996	(< L/10000)	50.00000
21	0.15750	(L/2265)	50.00000	0.02985	(< L/10000)	50.00000
22	0.00029	(< L/10000)	50.00000	0.00000	(< L/10000)	50.00000
23	0.02036	(L/5898)	50.00000	0.00000	(< L/10000)	37.50000
24	0.00454	(< L/10000)	50.00000	0.00000	(< L/10000)	37.50000
25	0.00431	(< L/10000)	62.50000	0.01769	(L/7775)	75.00000
26	0.00029	(< L/10000)	50.00000	0.00000	(< L/10000)	25.00000
27	0.02036	(L/5898)	50.00000	0.00000	(< L/10000)	62.50000
28	0.00454	(< L/10000)	50.00000	0.00000	(< L/10000)	37.50000
29	0.00366	(< L/10000)	50.00000	0.01110	(< L/10000)	50.00000
32	0.10805	(L/6219)	75.00000	0.00638	(< L/10000)	62.50000
34	0.08398	(L/4249)	50.00000	0.03637	(L/9810)	50.00000
33	0.08438	(L/4228)	50.00000	0.03658	(L/9754)	50.00000
35	0.00029	(< L/10000)	50.00000	0.00000	(< L/10000)	50.00000
36	0.02036	(L/5898)	50.00000	0.00000	(< L/10000)	37.50000
37	0.00454	(< L/10000)	50.00000	0.00000	(< L/10000)	37.50000
38	0.00236	(< L/10000)	62.50000	0.01777	(L/7740)	75.00000
39	0.00029	(< L/10000)	50.00000	0.00000	(< L/10000)	87.50000
40	0.02036	(L/5898)	50.00000	0.00000	(< L/10000)	62.50000
41	0.00454	(< L/10000)	50.00000	0.00000	(< L/10000)	37.50000
42	0.01061	(< L/10000)	50.00000	0.01072	(< L/10000)	50.00000

CONDITION **C5=DL+LLR**

Member	**Defl. (2) [in]**		**@(%)**	**Defl. (3) [in]**		**@(%)**
1	0.19614	(L/3426)	25.00000	0.00960	(< L/10000)	50.00000
2	0.15916	(L/2242)	50.00000	0.04188	(L/8520)	50.00000
3	0.15804	(L/2258)	50.00000	0.04170	(L/8555)	50.00000

4	0.00029	(< L/10000)	50.00000	0.00000	(< L/10000)	50.00000
5	0.02036	(L/5898)	50.00000	0.00000	(< L/10000)	37.50000
6	0.00454	(< L/10000)	50.00000	0.00000	(< L/10000)	37.50000
7	0.00607	(< L/10000)	37.50000	0.02104	(L/6536)	75.00000
8	0.00029	(< L/10000)	50.00000	0.00000	(< L/10000)	37.50000
9	0.02036	(L/5898)	50.00000	0.00000	(< L/10000)	62.50000
10	0.00454	(< L/10000)	50.00000	0.00000	(< L/10000)	37.50000
11	0.00549	(< L/10000)	87.50000	0.01367	(< L/10000)	50.00000
12	0.02371	(L/8096)	50.00000	0.00680	(< L/10000)	50.00000
13	0.00204	(< L/10000)	75.00000	0.00475	(< L/10000)	62.50000
14	0.01056	(< L/10000)	62.50000	0.00904	(< L/10000)	62.50000
15	0.00083	(< L/10000)	50.00000	0.00729	(L/8227)	50.00000
16	0.00239	(< L/10000)	50.00000	0.00468	(< L/10000)	50.00000
17	0.00040	(< L/10000)	75.00000	0.00449	(< L/10000)	50.00000
18	0.00177	(< L/10000)	50.00000	0.00576	(< L/10000)	62.50000
19	0.25055	(L/2682)	37.50000	0.01117	(< L/10000)	50.00000
20	0.18942	(L/1884)	50.00000	0.03668	(L/9727)	50.00000
21	0.18872	(L/1891)	50.00000	0.03655	(L/9761)	50.00000
22	0.00029	(< L/10000)	50.00000	0.00000	(< L/10000)	50.00000
23	0.02036	(L/5898)	50.00000	0.00000	(< L/10000)	37.50000
24	0.00454	(< L/10000)	50.00000	0.00000	(< L/10000)	50.00000
25	0.00475	(< L/10000)	62.50000	0.02166	(L/6351)	75.00000
26	0.00029	(< L/10000)	50.00000	0.00000	(< L/10000)	25.00000
27	0.02036	(L/5898)	50.00000	0.00000	(< L/10000)	62.50000
28	0.00454	(< L/10000)	50.00000	0.00000	(< L/10000)	37.50000
29	0.00269	(< L/10000)	50.00000	0.01360	(< L/10000)	50.00000
32	0.12625	(L/5323)	75.00000	0.00772	(< L/10000)	62.50000
34	0.09906	(L/3602)	50.00000	0.04420	(L/8072)	50.00000
33	0.09951	(L/3586)	50.00000	0.04446	(L/8025)	50.00000
35	0.00029	(< L/10000)	50.00000	0.00000	(< L/10000)	50.00000
36	0.02036	(L/5898)	50.00000	0.00000	(< L/10000)	37.50000
37	0.00454	(< L/10000)	50.00000	0.00000	(< L/10000)	37.50000
38	0.00341	(< L/10000)	50.00000	0.02158	(L/6372)	75.00000
39	0.00029	(< L/10000)	50.00000	0.00000	(< L/10000)	12.50000
40	0.02036	(L/5898)	50.00000	0.00000	(< L/10000)	62.50000
41	0.00454	(< L/10000)	50.00000	0.00000	(< L/10000)	37.50000
42	0.01116	(< L/10000)	50.00000	0.01302	(< L/10000)	50.00000

CONDITION **C6=DL+WL**

Member	Defl. (2) [in]		@(%)	Defl. (3) [in]		@(%)
1	0.09417	(L/7136)	25.00000	0.01566	(< L/10000)	50.00000
2	0.07404	(L/4819)	50.00000	0.02482	(< L/10000)	50.00000
3	0.07341	(L/4860)	50.00000	0.02447	(< L/10000)	62.50000
4	0.00029	(< L/10000)	50.00000	0.00000	(< L/10000)	50.00000
5	0.02036	(L/5898)	50.00000	0.00000	(< L/10000)	37.50000
6	0.00454	(< L/10000)	50.00000	0.00000	(< L/10000)	50.00000
7	0.00442	(< L/10000)	50.00000	0.03519	(L/3908)	50.00000
8	0.00029	(< L/10000)	50.00000	0.00000	(< L/10000)	37.50000
9	0.02036	(L/5898)	50.00000	0.00000	(< L/10000)	62.50000
10	0.00454	(< L/10000)	50.00000	0.00000	(< L/10000)	37.50000
11	0.00363	(< L/10000)	87.50000	0.05525	(L/2489)	50.00000
12	0.01329	(< L/10000)	50.00000	0.11226	(L/1710)	50.00000
13	0.00066	(< L/10000)	75.00000	0.01828	(L/2942)	62.50000
14	0.00441	(< L/10000)	62.50000	0.07010	(L/1534)	50.00000
15	0.00100	(< L/10000)	50.00000	0.00773	(L/7762)	37.50000
16	0.00167	(< L/10000)	50.00000	0.00574	(< L/10000)	37.50000
17	0.00073	(< L/10000)	75.00000	0.00561	(< L/10000)	37.50000
18	0.00030	(< L/10000)	50.00000	0.00579	(< L/10000)	37.50000
19	0.12953	(L/5188)	50.00000	0.01188	(< L/10000)	50.00000
20	0.09088	(L/3926)	50.00000	0.02325	(< L/10000)	50.00000
21	0.09031	(L/3951)	50.00000	0.02282	(< L/10000)	50.00000
22	0.00029	(< L/10000)	50.00000	0.00000	(< L/10000)	50.00000
23	0.02036	(L/5898)	50.00000	0.00000	(< L/10000)	37.50000
24	0.00454	(< L/10000)	50.00000	0.00000	(< L/10000)	50.00000
25	0.02117	(L/6498)	50.00000	0.03635	(L/3784)	50.00000
26	0.00029	(< L/10000)	50.00000	0.00000	(< L/10000)	37.50000
27	0.02036	(L/5898)	50.00000	0.00000	(< L/10000)	62.50000
28	0.00454	(< L/10000)	50.00000	0.00000	(< L/10000)	37.50000
29	0.02551	(L/5392)	50.00000	0.05680	(L/2422)	50.00000

32	0.05279	(< L/10000)	75.00000	0.00818	(< L/10000)	62.50000
34	0.04314	(L/8269)	50.00000	0.02671	(< L/10000)	50.00000
33	0.04324	(L/8251)	50.00000	0.02717	(< L/10000)	50.00000
35	0.00029	(< L/10000)	50.00000	0.00000	(< L/10000)	50.00000
36	0.02036	(L/5898)	50.00000	0.00000	(< L/10000)	37.50000
37	0.00454	(< L/10000)	50.00000	0.00000	(< L/10000)	37.50000
38	0.01778	(L/7735)	50.00000	0.03699	(L/3718)	50.00000
39	0.00029	(< L/10000)	50.00000	0.00000	(< L/10000)	37.50000
40	0.02036	(L/5898)	50.00000	0.00000	(< L/10000)	62.50000
41	0.00454	(< L/10000)	50.00000	0.00000	(< L/10000)	50.00000
42	0.01086	(< L/10000)	37.50000	0.05687	(L/2419)	50.00000

Envelope for principal stresses in members

Note.- **lc** is the controlling load condition
Principal stresses envelope for :

C1=DL+WL
C2=DL+0.75WL+0.75SL
C3=DL+0.75WL+0.75LLR
C4=DL+SL
C5=DL+LLR
C6=DL+WL

MEMBER **1**

Station		Axial [Kip/in2]	lc	Shear V2 [Kip/in2]	lc	Shear V3 [Kip/in2]	lc	Bending 2-Pos [Kip/in2]	lc	2-Neg [Kip/in2]	lc	3-Pos [Kip/in2]	lc	3-Neg [Kip/in2]	lc
0%	Max	0.18	C5	0.00	C3	0.00	C3	-0.10	C1	0.25	C5	0.00	C1	0.00	C5
	Min	0.08	C1	0.00	C4	0.00	C4	-0.25	C5	0.10	C1	0.00	C5	0.00	C1
25%	Max	0.05	C5	0.00	C3	0.00	C3	-0.02	C1	0.03	C5	0.00	C4	0.00	C3
	Min	0.02	C1	0.00	C4	0.00	C4	-0.03	C5	0.02	C1	0.00	C3	0.00	C4
50%	Max	-0.04	C1	0.00	C3	0.00	C1	0.00	C5	0.01	C1	0.00	C4	0.00	C1
	Min	-0.08	C5	0.00	C4	0.00	C4	-0.01	C1	0.00	C5	0.00	C1	0.00	C4
75%	Max	0.05	C5	0.00	C3	0.00	C3	-0.02	C1	0.03	C5	0.00	C4	0.00	C3
	Min	0.02	C1	0.00	C4	0.00	C4	-0.03	C5	0.02	C1	0.00	C3	0.00	C4
100%	Max	0.18	C5	0.00	C3	0.00	C3	-0.10	C1	0.25	C5	0.00	C1	0.00	C5
	Min	0.09	C1	0.00	C4	0.00	C4	-0.25	C5	0.10	C1	0.00	C5	0.00	C1

MEMBER **2**

Station		Axial [Kip/in2]	lc	Shear V2 [Kip/in2]	lc	Shear V3 [Kip/in2]	lc	Bending 2-Pos [Kip/in2]	lc	2-Neg [Kip/in2]	lc	3-Pos [Kip/in2]	lc	3-Neg [Kip/in2]	lc
0%	Max	-0.13	C1	0.05	C5	0.00	C5	0.88	C5	-0.41	C1	0.01	C1	0.01	C5
	Min	-0.25	C5	0.02	C1	0.00	C2	0.41	C1	-0.88	C5	-0.01	C5	-0.01	C1
25%	Max	-0.10	C1	0.01	C5	0.00	C5	-0.05	C1	0.12	C5	0.00	C5	0.00	C1
	Min	-0.20	C5	0.01	C1	0.00	C1	-0.12	C5	0.05	C1	0.00	C1	0.00	C5
50%	Max	-0.13	C1	0.00	C5	0.00	C5	-0.18	C1	0.40	C5	0.01	C5	0.00	C1
	Min	-0.28	C5	0.00	C1	0.00	C1	-0.40	C5	0.18	C1	0.00	C1	-0.01	C5
75%	Max	-0.11	C1	0.03	C5	0.00	C3	-0.09	C1	0.20	C5	0.00	C3	0.00	C1
	Min	-0.24	C5	0.01	C1	0.00	C1	-0.20	C5	0.09	C1	0.00	C1	0.00	C3
100%	Max	-0.09	C1	0.04	C5	0.01	C5	0.30	C5	-0.12	C1	0.00	C1	0.01	C5
	Min	-0.19	C5	0.02	C1	0.00	C1	0.12	C1	-0.30	C5	-0.01	C5	0.00	C1

MEMBER **3**

Station		Axial [Kip/in2]	lc	Shear V2 [Kip/in2]	lc	Shear V3 [Kip/in2]	lc	Bending 2-Pos [Kip/in2]	lc	2-Neg [Kip/in2]	lc	3-Pos [Kip/in2]	lc	3-Neg [Kip/in2]	lc
0%	Max	-0.18	C1	0.10	C5	0.04	C1	0.43	C5	-0.21	C1	0.21	C1	0.08	C5
	Min	-0.36	C5	0.07	C1	0.01	C4	0.21	C1	-0.43	C5	-0.08	C5	-0.21	C1
25%	Max	-0.09	C1	0.02	C5	0.00	C5	-0.06	C1	0.14	C5	0.00	C1	0.00	C5
	Min	-0.19	C5	0.01	C1	0.00	C1	-0.14	C5	0.06	C1	0.00	C5	0.00	C1
50%	Max	-0.14	C1	0.00	C5	0.00	C5	-0.18	C1	0.40	C5	0.00	C1	0.01	C5
	Min	-0.28	C5	0.00	C1	0.00	C1	-0.40	C5	0.18	C1	-0.01	C5	0.00	C1
75%	Max	-0.11	C1	0.03	C5	0.00	C3	-0.09	C1	0.20	C5	0.00	C1	0.00	C3

	Min	-0.24	C5	0.01	C1	0.00	C1	-0.20	C5	0.09	C1	0.00	C3	0.00	C1
100%	Max	-0.09	C1	0.04	C5	0.01	C5	0.30	C5	-0.12	C1	0.01	C5	0.00	C1
	Min	-0.19	C5	0.02	C1	0.00	C1	0.12	C1	-0.30	C5	0.00	C1	-0.01	C5

MEMBER 4

Station		Axial [Kip/in2]	lc	Shear V2 [Kip/in2]	lc	Shear V3 [Kip/in2]	lc	Bending 2-Pos [Kip/in2]	lc	2-Neg [Kip/in2]	lc	3-Pos [Kip/in2]	lc	3-Neg [Kip/in2]	lc
0%	Max	-0.08	C1	0.00	C1	0.00	C1	0.00	C5	0.00	C1	0.00	C3	0.00	C4
	Min	-0.18	C5	0.00	C4	0.00	C4	0.00	C1	0.00	C5	0.00	C4	0.00	C3
25%	Max	-0.08	C1	0.00	C1	0.00	C1	0.00	C5	0.00	C1	0.00	C3	0.00	C4
	Min	-0.18	C5	0.00	C4	0.00	C4	0.00	C1	0.00	C5	0.00	C4	0.00	C3
50%	Max	-0.08	C1	0.00	C1	0.00	C1	0.00	C5	0.00	C1	0.00	C3	0.00	C4
	Min	-0.18	C5	0.00	C4	0.00	C4	0.00	C1	0.00	C5	0.00	C4	0.00	C3
75%	Max	-0.08	C1	0.00	C1	0.00	C1	0.00	C5	0.00	C1	0.00	C3	0.00	C4
	Min	-0.18	C5	0.00	C4	0.00	C4	0.00	C1	0.00	C5	0.00	C4	0.00	C3
100%	Max	-0.08	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1
	Min	-0.18	C5	0.00	C4	0.00	C4	0.00	C1	0.00	C1	0.00	C1	0.00	C1

MEMBER 5

Station		Axial [Kip/in2]	lc	Shear V2 [Kip/in2]	lc	Shear V3 [Kip/in2]	lc	Bending 2-Pos [Kip/in2]	lc	2-Neg [Kip/in2]	lc	3-Pos [Kip/in2]	lc	3-Neg [Kip/in2]	lc
0%	Max	0.25	C5	0.00	C5	0.00	C5	0.00	C1	0.00	C1	0.00	C4	0.00	C3
	Min	0.12	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C3	0.00	C4
25%	Max	0.25	C5	0.00	C5	0.00	C5	-0.03	C1	0.03	C1	0.00	C4	0.00	C3
	Min	0.12	C1	0.00	C1	0.00	C1	-0.03	C1	0.03	C1	0.00	C3	0.00	C4
50%	Max	0.25	C5	0.00	C5	0.00	C5	-0.04	C1	0.04	C1	0.00	C4	0.00	C3
	Min	0.12	C1	0.00	C1	0.00	C1	-0.04	C1	0.04	C1	0.00	C3	0.00	C4
75%	Max	0.25	C5	0.00	C5	0.00	C5	-0.03	C1	0.03	C1	0.00	C4	0.00	C3
	Min	0.12	C1	0.00	C1	0.00	C1	-0.03	C1	0.03	C1	0.00	C3	0.00	C4
100%	Max	0.26	C5	0.00	C5	0.00	C5	0.00	C1	0.00	C1	0.00	C1	0.00	C1
	Min	0.12	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1

MEMBER 6

Station		Axial [Kip/in2]	lc	Shear V2 [Kip/in2]	lc	Shear V3 [Kip/in2]	lc	Bending 2-Pos [Kip/in2]	lc	2-Neg [Kip/in2]	lc	3-Pos [Kip/in2]	lc	3-Neg [Kip/in2]	lc
0%	Max	-0.12	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C3	0.00	C1
	Min	-0.27	C5	0.00	C4	0.00	C4	0.00	C1	0.00	C1	0.00	C1	0.00	C3
25%	Max	-0.12	C1	0.00	C1	0.00	C1	-0.01	C1	0.01	C1	0.00	C3	0.00	C1
	Min	-0.27	C5	0.00	C4	0.00	C4	-0.01	C1	0.01	C1	0.00	C1	0.00	C3
50%	Max	-0.12	C1	0.00	C1	0.00	C1	-0.02	C1	0.02	C1	0.00	C3	0.00	C1
	Min	-0.27	C5	0.00	C4	0.00	C4	-0.02	C1	0.02	C1	0.00	C1	0.00	C3
75%	Max	-0.12	C1	0.00	C1	0.00	C1	-0.01	C1	0.01	C1	0.00	C3	0.00	C1
	Min	-0.27	C5	0.00	C4	0.00	C4	-0.01	C1	0.01	C1	0.00	C1	0.00	C3
100%	Max	-0.12	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1
	Min	-0.27	C5	0.00	C4	0.00	C4	0.00	C1	0.00	C1	0.00	C1	0.00	C1

MEMBER 7

Station		Axial [Kip/in2]	lc	Shear V2 [Kip/in2]	lc	Shear V3 [Kip/in2]	lc	Bending 2-Pos [Kip/in2]	lc	2-Neg [Kip/in2]	lc	3-Pos [Kip/in2]	lc	3-Neg [Kip/in2]	lc
0%	Max	0.28	C5	0.00	C3	0.01	C3	0.00	C1	0.00	C1	0.00	C5	0.00	C1
	Min	0.13	C1	0.00	C4	0.00	C4	0.00	C1	0.00	C1	0.00	C1	0.00	C5
25%	Max	0.27	C5	0.00	C3	0.00	C3	0.02	C5	0.00	C1	0.12	C3	-0.07	C4
	Min	0.13	C1	0.00	C1	0.00	C4	0.00	C1	-0.02	C5	0.07	C4	-0.12	C3
50%	Max	0.27	C5	0.00	C3	0.00	C3	0.01	C1	-0.01	C5	-0.05	C4	0.07	C3
	Min	0.13	C1	0.00	C4	0.00	C4	0.01	C5	-0.01	C1	-0.07	C3	0.05	C4
75%	Max	0.27	C5	0.01	C3	0.01	C3	0.00	C5	0.00	C1	0.06	C5	0.01	C1
	Min	0.13	C1	0.00	C4	0.00	C4	0.00	C1	0.00	C5	-0.01	C1	-0.06	C5
100%	Max	0.27	C5	0.01	C3	0.01	C3	0.00	C1	0.00	C5	0.00	C1	0.00	C5
	Min	0.13	C1	0.00	C4	0.00	C4	0.00	C5	0.00	C1	0.00	C5	0.00	C1

MEMBER 8

Station		Axial [Kip/in2]	lc	Shear V2 [Kip/in2]	lc	Shear V3 [Kip/in2]	lc	Bending 2-Pos [Kip/in2]	lc	2-Neg [Kip/in2]	lc	3-Pos [Kip/in2]	lc	3-Neg [Kip/in2]	lc
0%	Max	-0.08	C1	0.00	C1	0.00	C1	0.00	C5	0.00	C1	0.00	C4	0.00	C3
	Min	-0.18	C5	0.00	C4	0.00	C4	0.00	C1	0.00	C5	0.00	C3	0.00	C4
25%	Max	-0.08	C1	0.00	C1	0.00	C1	0.00	C5	0.00	C1	0.00	C4	0.00	C3
	Min	-0.18	C5	0.00	C4	0.00	C4	0.00	C1	0.00	C5	0.00	C3	0.00	C4
50%	Max	-0.08	C1	0.00	C1	0.00	C1	0.00	C5	0.00	C1	0.00	C4	0.00	C3
	Min	-0.18	C5	0.00	C4	0.00	C4	0.00	C1	0.00	C5	0.00	C3	0.00	C4
75%	Max	-0.08	C1	0.00	C1	0.00	C1	0.00	C5	0.00	C1	0.00	C4	0.00	C3
	Min	-0.18	C5	0.00	C4	0.00	C4	0.00	C1	0.00	C5	0.00	C3	0.00	C4
100%	Max	-0.08	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1
	Min	-0.18	C5	0.00	C4	0.00	C4	0.00	C1	0.00	C1	0.00	C1	0.00	C1

MEMBER 9

Station		Axial [Kip/in2]	lc	Shear V2 [Kip/in2]	lc	Shear V3 [Kip/in2]	lc	Bending 2-Pos [Kip/in2]	lc	2-Neg [Kip/in2]	lc	3-Pos [Kip/in2]	lc	3-Neg [Kip/in2]	lc
0%	Max	0.25	C5	0.00	C5	0.00	C5	0.00	C1	0.00	C1	0.00	C4	0.00	C3
	Min	0.12	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C3	0.00	C4
25%	Max	0.25	C5	0.00	C5	0.00	C5	-0.03	C1	0.03	C1	0.00	C4	0.00	C3
	Min	0.12	C1	0.00	C1	0.00	C1	-0.03	C1	0.03	C1	0.00	C3	0.00	C4
50%	Max	0.25	C5	0.00	C5	0.00	C5	-0.04	C1	0.04	C1	0.00	C4	0.00	C3
	Min	0.12	C1	0.00	C1	0.00	C1	-0.04	C1	0.04	C1	0.00	C3	0.00	C4
75%	Max	0.25	C5	0.00	C5	0.00	C5	-0.03	C1	0.03	C1	0.00	C4	0.00	C3
	Min	0.12	C1	0.00	C1	0.00	C1	-0.03	C1	0.03	C1	0.00	C3	0.00	C4
100%	Max	0.25	C5	0.00	C5	0.00	C5	0.00	C1	0.00	C1	0.00	C1	0.00	C1
	Min	0.12	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1

MEMBER 10

Station		Axial [Kip/in2]	lc	Shear V2 [Kip/in2]	lc	Shear V3 [Kip/in2]	lc	Bending 2-Pos [Kip/in2]	lc	2-Neg [Kip/in2]	lc	3-Pos [Kip/in2]	lc	3-Neg [Kip/in2]	lc
0%	Max	-0.12	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C3
	Min	-0.27	C5	0.00	C4	0.00	C4	0.00	C1	0.00	C1	0.00	C3	0.00	C1
25%	Max	-0.12	C1	0.00	C1	0.00	C1	-0.01	C1	0.01	C1	0.00	C1	0.00	C3
	Min	-0.27	C5	0.00	C4	0.00	C4	-0.01	C1	0.01	C1	0.00	C3	0.00	C1
50%	Max	-0.12	C1	0.00	C1	0.00	C1	-0.02	C1	0.02	C1	0.00	C1	0.00	C3
	Min	-0.27	C5	0.00	C4	0.00	C4	-0.02	C1	0.02	C1	0.00	C3	0.00	C1
75%	Max	-0.12	C1	0.00	C1	0.00	C1	-0.01	C1	0.01	C1	0.00	C1	0.00	C3
	Min	-0.27	C5	0.00	C4	0.00	C4	-0.01	C1	0.01	C1	0.00	C3	0.00	C1
100%	Max	-0.13	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1
	Min	-0.27	C5	0.00	C4	0.00	C4	0.00	C1	0.00	C1	0.00	C1	0.00	C1

MEMBER 11

Station		Axial [Kip/in2]	lc	Shear V2 [Kip/in2]	lc	Shear V3 [Kip/in2]	lc	Bending 2-Pos [Kip/in2]	lc	2-Neg [Kip/in2]	lc	3-Pos [Kip/in2]	lc	3-Neg [Kip/in2]	lc
0%	Max	0.28	C5	0.00	C1	0.01	C1	0.00	C3	0.00	C2	0.00	C1	0.00	C2
	Min	0.13	C1	0.00	C4	0.00	C4	0.00	C2	0.00	C3	0.00	C2	0.00	C1
25%	Max	0.27	C5	0.00	C5	0.00	C3	0.06	C5	-0.03	C1	-0.09	C4	0.13	C3
	Min	0.13	C1	0.00	C1	0.00	C1	0.03	C1	-0.06	C5	-0.13	C3	0.09	C4
50%	Max	0.27	C5	0.00	C5	0.00	C3	-0.02	C1	0.03	C5	0.09	C3	-0.06	C4
	Min	0.13	C1	0.00	C1	0.00	C1	-0.03	C5	0.02	C1	0.06	C4	-0.09	C3
75%	Max	0.23	C5	0.01	C5	0.01	C5	-0.01	C5	0.01	C1	0.04	C1	0.00	C4
	Min	0.11	C1	0.00	C1	0.00	C1	-0.01	C1	0.01	C5	0.00	C4	-0.04	C1
100%	Max	0.22	C5	0.01	C1	0.01	C1	0.00	C5	0.00	C1	0.00	C5	0.00	C1
	Min	0.12	C1	0.01	C3	0.00	C3	0.00	C1	0.00	C5	0.00	C1	0.00	C5

MEMBER 12

Station	Axial	lc	Shear V2	lc	Shear V3	lc	Bending 2-Pos	lc	2-Neg	lc	3-Pos	lc	3-Neg	lc

		[Kip/in2]		[Kip/in2]		[Kip/in2]		[Kip/in2]		[Kip/in2]		[Kip/in2]		[Kip/in2]	
0%	Max	0.00	C1	0.00	C1	0.00	C1	0.00	C4	0.00	C5	0.00	C4	0.00	C1
	Min	0.00	C5	0.00	C4	0.00	C5	0.00	C5	0.00	C4	0.00	C1	0.00	C4
25%	Max	0.05	C5	0.04	C3	0.04	C3	0.05	C1	-0.04	C5	-0.01	C4	0.52	C1
	Min	0.03	C1	0.03	C1	0.02	C4	0.04	C5	-0.05	C1	-0.52	C1	0.01	C4
50%	Max	0.16	C5	0.18	C5	0.12	C1	1.42	C5	-0.72	C1	-0.29	C4	1.87	C1
	Min	0.06	C1	0.12	C1	0.03	C4	0.72	C1	-1.42	C5	-1.87	C1	0.29	C4
75%	Max	-0.07	C5	0.00	C5	0.10	C1	0.00	C5	0.00	C4	0.00	C5	1.36	C1
	Min	-0.07	C1	0.00	C4	0.00	C5	0.00	C4	0.00	C5	-1.36	C1	0.00	C5
100%	Max	0.00	C5	0.00	C5	0.00	C1	0.00	C5	0.00	C1	0.00	C1	0.00	C4
	Min	0.00	C1	0.00	C4	0.00	C5	0.00	C1	0.00	C5	0.00	C4	0.00	C1

MEMBER **13**

Station		Axial [Kip/in2]	Ic	Shear V2 [Kip/in2]	Ic	Shear V3 [Kip/in2]	Ic	Bending 2-Pos [Kip/in2]	Ic	2-Neg [Kip/in2]	Ic	3-Pos [Kip/in2]	Ic	3-Neg [Kip/in2]	Ic
0%	Max	0.00	C5	0.01	C5	0.01	C5	0.01	C1	0.00	C5	0.10	C3	-0.06	C4
	Min	0.00	C1	0.00	C1	0.00	C1	0.00	C5	-0.01	C1	0.06	C4	-0.10	C3
25%	Max	0.00	C5	0.01	C5	0.01	C5	0.00	C5	0.00	C1	0.02	C5	0.01	C1
	Min	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C5	-0.01	C1	-0.02	C5
50%	Max	0.00	C5	0.01	C5	0.01	C5	0.00	C5	0.01	C1	-0.02	C4	0.10	C1
	Min	0.00	C1	0.00	C1	0.00	C1	-0.01	C1	0.00	C5	-0.10	C1	0.02	C4
75%	Max	0.01	C5	0.03	C5	0.01	C5	0.21	C5	-0.10	C1	-0.02	C4	0.06	C1
	Min	0.00	C1	0.01	C1	0.00	C1	0.10	C1	-0.21	C5	-0.06	C1	0.02	C4
100%	Max	0.01	C5	0.03	C5	0.01	C5	-0.02	C1	0.04	C5	0.03	C3	-0.02	C1
	Min	0.00	C1	0.01	C1	0.00	C1	-0.04	C5	0.02	C1	0.02	C1	-0.03	C3

MEMBER **14**

Station		Axial [Kip/in2]	Ic	Shear V2 [Kip/in2]	Ic	Shear V3 [Kip/in2]	Ic	Bending 2-Pos [Kip/in2]	Ic	2-Neg [Kip/in2]	Ic	3-Pos [Kip/in2]	Ic	3-Neg [Kip/in2]	Ic
0%	Max	0.00	C5	0.00	C5	0.00	C5	0.01	C1	0.00	C5	0.11	C1	-0.01	C4
	Min	0.00	C1	0.00	C1	0.00	C1	0.00	C5	-0.01	C1	0.01	C4	-0.11	C1
25%	Max	0.00	C5	0.00	C5	0.00	C5	0.02	C5	-0.01	C1	0.00	C5	0.00	C1
	Min	0.00	C1	0.00	C1	0.00	C1	0.01	C1	-0.02	C5	0.00	C1	0.00	C5
50%	Max	0.00	C5	0.01	C5	0.00	C5	0.05	C5	-0.02	C1	-0.01	C4	0.11	C1
	Min	0.00	C1	0.00	C1	0.00	C1	0.02	C1	-0.05	C5	-0.11	C1	0.01	C4
75%	Max	0.00	C5	0.01	C5	0.01	C3	0.07	C5	-0.03	C1	-0.01	C4	0.06	C1
	Min	0.00	C1	0.00	C1	0.00	C1	0.03	C1	-0.07	C5	-0.06	C1	0.01	C4
100%	Max	0.00	C5	0.01	C5	0.01	C3	-0.02	C1	0.04	C5	0.16	C1	-0.03	C4
	Min	0.00	C1	0.00	C1	0.00	C1	-0.04	C5	0.02	C1	0.03	C4	-0.16	C1

MEMBER **15**

Station		Axial [Kip/in2]	Ic	Shear V2 [Kip/in2]	Ic	Shear V3 [Kip/in2]	Ic	Bending 2-Pos [Kip/in2]	Ic	2-Neg [Kip/in2]	Ic	3-Pos [Kip/in2]	Ic	3-Neg [Kip/in2]	Ic
0%	Max	0.00	C2	0.00	C1	0.00	C2	0.00	C1	0.00	C5	0.00	C1	0.00	C5
	Min	0.00	C5	0.00	C2	0.00	C3	0.00	C5	0.00	C1	0.00	C5	0.00	C1
25%	Max	0.00	C4	0.00	C3	0.00	C1	0.00	C5	0.00	C1	0.03	C1	-0.02	C4
	Min	0.00	C3	0.00	C1	0.00	C5	0.00	C1	0.00	C5	0.02	C4	-0.03	C1
50%	Max	0.00	C3	0.00	C3	0.00	C1	0.02	C5	0.00	C1	0.03	C4	-0.01	C1
	Min	0.00	C4	0.00	C4	0.00	C5	0.00	C1	-0.02	C5	0.01	C1	-0.03	C4
75%	Max	0.00	C3	0.00	C3	0.00	C1	-0.01	C1	0.02	C5	0.00	C4	0.01	C1
	Min	0.00	C4	0.00	C4	0.00	C5	-0.02	C5	0.01	C1	-0.01	C1	0.00	C4
100%	Max	0.00	C5	0.00	C5	0.00	C5	0.00	C4	0.00	C5	0.00	C4	0.00	C5
	Min	0.00	C4	0.00	C1	0.00	C1	0.00	C5	0.00	C4	0.00	C5	0.00	C4

MEMBER **16**

Station		Axial [Kip/in2]	Ic	Shear V2 [Kip/in2]	Ic	Shear V3 [Kip/in2]	Ic	Bending 2-Pos [Kip/in2]	Ic	2-Neg [Kip/in2]	Ic	3-Pos [Kip/in2]	Ic	3-Neg [Kip/in2]	Ic
0%	Max	0.00	C1	0.00	C1	0.00	C1	0.00	C4	0.00	C3	0.00	C4	0.00	C3
	Min	0.00	C5	0.00	C5	0.00	C5	0.00	C3	0.00	C4	0.00	C3	0.00	C4

25%	Max	0.00	C4	0.01	C1	0.00	C1	0.01	C3	0.00	C4	0.03	C1	-0.01	C4
	Min	0.00	C1	0.01	C4	0.00	C4	0.00	C4	-0.01	C3	0.01	C4	-0.03	C1
50%	Max	0.00	C1	0.01	C3	0.00	C1	0.01	C1	0.02	C4	0.03	C5	0.03	C1
	Min	0.00	C4	0.00	C4	0.00	C4	-0.02	C4	-0.01	C1	-0.03	C1	-0.03	C5
75%	Max	0.00	C1	0.01	C3	0.01	C1	-0.03	C4	0.04	C3	0.00	C4	0.01	C1
	Min	0.00	C4	0.00	C4	0.00	C4	-0.04	C3	0.03	C4	-0.01	C1	0.00	C4
100%	Max	0.00	C1	0.00	C2	0.00	C2	0.00	C4	0.00	C1	0.00	C4	0.00	C1
	Min	0.00	C4	0.00	C5	0.00	C5	0.00	C1	0.00	C4	0.00	C1	0.00	C4

MEMBER **17**

								Bending							
Station		**Axial** [Kip/in2]	**Ic**	**Shear V2** [Kip/in2]	**Ic**	**Shear V3** [Kip/in2]	**Ic**	**2-Pos** [Kip/in2]	**Ic**	**2-Neg** [Kip/in2]	**Ic**	**3-Pos** [Kip/in2]	**Ic**	**3-Neg** [Kip/in2]	**Ic**
0%	Max	0.00	C1	0.00	C3	0.00	C3	0.00	C4	0.00	C3	0.00	C3	0.00	C4
	Min	0.00	C4	0.00	C4	0.00	C4	0.00	C3	0.00	C4	0.00	C4	0.00	C3
25%	Max	0.00	C4	0.01	C5	0.00	C5	0.03	C3	-0.02	C4	-0.01	C4	0.03	C1
	Min	0.00	C1	0.01	C2	0.00	C2	0.02	C4	-0.03	C3	-0.03	C1	0.01	C4
50%	Max	0.00	C1	0.01	C3	0.01	C1	0.06	C3	-0.03	C4	0.05	C1	0.03	C5
	Min	0.00	C4	0.01	C4	0.00	C4	0.03	C4	-0.06	C3	-0.03	C5	-0.05	C1
75%	Max	0.00	C1	0.01	C3	0.01	C1	-0.02	C4	0.03	C3	0.02	C1	0.00	C4
	Min	0.00	C4	0.01	C4	0.00	C4	-0.03	C3	0.02	C4	0.00	C4	-0.02	C1
100%	Max	0.00	C3	0.00	C5	0.00	C5	0.00	C5	0.00	C1	0.00	C1	0.00	C5
	Min	0.00	C1	0.00	C2	0.00	C4	0.00	C1	0.00	C5	0.00	C5	0.00	C1

MEMBER **18**

								Bending							
Station		**Axial** [Kip/in2]	**Ic**	**Shear V2** [Kip/in2]	**Ic**	**Shear V3** [Kip/in2]	**Ic**	**2-Pos** [Kip/in2]	**Ic**	**2-Neg** [Kip/in2]	**Ic**	**3-Pos** [Kip/in2]	**Ic**	**3-Neg** [Kip/in2]	**Ic**
0%	Max	0.00	C5	0.00	C2	0.00	C1	0.00	C5	0.00	C1	0.00	C1	0.00	C5
	Min	0.00	C1	0.00	C5	0.00	C5	0.00	C1	0.00	C5	0.00	C5	0.00	C1
25%	Max	0.00	C4	0.00	C3	0.00	C1	0.02	C5	-0.01	C1	0.00	C5	0.02	C1
	Min	0.00	C3	0.00	C4	0.00	C4	0.01	C1	-0.02	C5	-0.02	C1	0.00	C5
50%	Max	0.00	C3	0.01	C5	0.00	C1	0.08	C5	-0.02	C1	-0.02	C1	0.06	C5
	Min	0.00	C4	0.00	C1	0.00	C4	0.02	C1	-0.08	C5	-0.06	C5	0.02	C1
75%	Max	0.00	C3	0.01	C5	0.00	C1	0.00	C5	0.00	C1	0.01	C1	0.02	C5
	Min	0.00	C4	0.00	C1	0.00	C4	0.00	C1	0.00	C5	-0.02	C5	-0.01	C1
100%	Max	0.00	C3	0.00	C3	0.00	C5	0.00	C5	0.00	C4	0.00	C4	0.00	C5
	Min	0.00	C4	0.00	C1	0.00	C2	0.00	C4	0.00	C5	0.00	C5	0.00	C4

MEMBER **19**

								Bending							
Station		**Axial** [Kip/in2]	**Ic**	**Shear V2** [Kip/in2]	**Ic**	**Shear V3** [Kip/in2]	**Ic**	**2-Pos** [Kip/in2]	**Ic**	**2-Neg** [Kip/in2]	**Ic**	**3-Pos** [Kip/in2]	**Ic**	**3-Neg** [Kip/in2]	**Ic**
0%	Max	0.21	C5	0.00	C3	0.00	C3	-0.17	C1	0.34	C5	0.00	C1	0.00	C3
	Min	0.10	C1	0.00	C1	0.00	C4	-0.34	C5	0.17	C1	0.00	C3	0.00	C1
25%	Max	0.07	C5	0.00	C3	0.00	C3	-0.02	C1	0.03	C5	0.00	C4	0.00	C3
	Min	0.04	C1	0.00	C4	0.00	C4	-0.03	C5	0.02	C1	0.00	C3	0.00	C4
50%	Max	-0.02	C1	0.00	C3	0.00	C3	-0.01	C5	0.01	C1	0.00	C4	0.00	C3
	Min	-0.07	C5	0.00	C4	0.00	C4	-0.01	C1	0.01	C5	0.00	C3	0.00	C4
75%	Max	0.07	C5	0.00	C3	0.00	C3	-0.02	C1	0.03	C5	0.00	C4	0.00	C3
	Min	0.04	C1	0.00	C4	0.00	C4	-0.03	C5	0.02	C1	0.00	C3	0.00	C4
100%	Max	0.21	C5	0.00	C3	0.00	C3	-0.17	C1	0.34	C5	0.00	C1	0.00	C3
	Min	0.10	C1	0.00	C1	0.00	C4	-0.34	C5	0.17	C1	0.00	C3	0.00	C1

MEMBER **20**

								Bending							
Station		**Axial** [Kip/in2]	**Ic**	**Shear V2** [Kip/in2]	**Ic**	**Shear V3** [Kip/in2]	**Ic**	**2-Pos** [Kip/in2]	**Ic**	**2-Neg** [Kip/in2]	**Ic**	**3-Pos** [Kip/in2]	**Ic**	**3-Neg** [Kip/in2]	**Ic**
0%	Max	-0.14	C1	0.05	C5	0.00	C3	0.83	C5	-0.35	C1	0.02	C5	-0.01	C1
	Min	-0.30	C5	0.02	C1	0.00	C4	0.35	C1	-0.83	C5	0.01	C1	-0.02	C5
25%	Max	-0.13	C1	0.02	C5	0.00	C5	-0.05	C1	0.11	C5	0.00	C1	0.00	C5
	Min	-0.26	C5	0.01	C1	0.00	C1	-0.11	C5	0.05	C1	0.00	C5	0.00	C1
50%	Max	-0.19	C1	0.00	C5	0.00	C5	-0.18	C1	0.44	C5	0.00	C5	0.00	C1
	Min	-0.37	C5	0.00	C1	0.00	C2	-0.44	C5	0.18	C1	0.00	C1	0.00	C5

75%	Max	-0.18	C1	0.03	C5	0.00	C3	-0.11	C1	0.22	C5	0.00	C3	0.00	C1
	Min	-0.33	C5	0.01	C1	0.00	C1	-0.22	C5	0.11	C1	0.00	C1	0.00	C3
100%	Max	-0.15	C1	0.04	C5	0.00	C3	0.22	C5	-0.05	C1	0.00	C1	0.00	C5
	Min	-0.27	C5	0.02	C1	0.00	C1	0.05	C1	-0.22	C5	0.00	C5	0.00	C1

MEMBER **21**

Station		Axial [Kip/in2]	lc	Shear V2 [Kip/in2]	lc	Shear V3 [Kip/in2]	lc	Bending 2-Pos [Kip/in2]	lc	2-Neg [Kip/in2]	lc	3-Pos [Kip/in2]	lc	3-Neg [Kip/in2]	lc
0%	Max	-0.14	C1	0.05	C5	0.00	C1	0.83	C5	-0.35	C1	-0.01	C1	0.01	C3
	Min	-0.30	C5	0.02	C1	0.00	C5	0.35	C1	-0.83	C5	-0.01	C3	0.01	C1
25%	Max	-0.13	C1	0.02	C5	0.00	C5	-0.05	C1	0.11	C5	0.00	C4	0.00	C3
	Min	-0.27	C5	0.01	C1	0.00	C1	-0.11	C5	0.05	C1	0.00	C3	0.00	C4
50%	Max	-0.19	C1	0.00	C5	0.00	C1	-0.18	C1	0.44	C5	0.00	C1	0.00	C5
	Min	-0.37	C5	0.00	C1	0.00	C4	-0.44	C5	0.18	C1	0.00	C5	0.00	C1
75%	Max	-0.18	C1	0.03	C5	0.00	C3	-0.11	C1	0.22	C5	0.00	C1	0.00	C3
	Min	-0.33	C5	0.01	C1	0.00	C1	-0.22	C5	0.11	C1	0.00	C3	0.00	C1
100%	Max	-0.15	C1	0.04	C5	0.00	C3	0.22	C5	-0.05	C1	0.00	C5	0.00	C1
	Min	-0.28	C5	0.02	C1	0.00	C1	0.05	C1	-0.22	C5	0.00	C1	0.00	C5

MEMBER **22**

Station		Axial [Kip/in2]	lc	Shear V2 [Kip/in2]	lc	Shear V3 [Kip/in2]	lc	Bending 2-Pos [Kip/in2]	lc	2-Neg [Kip/in2]	lc	3-Pos [Kip/in2]	lc	3-Neg [Kip/in2]	lc
0%	Max	-0.08	C1	0.00	C1	0.00	C1	0.00	C5	0.00	C1	0.00	C3	0.00	C4
	Min	-0.19	C5	0.00	C4	0.00	C4	0.00	C1	0.00	C5	0.00	C4	0.00	C3
25%	Max	-0.08	C1	0.00	C1	0.00	C1	0.00	C5	0.00	C1	0.00	C3	0.00	C4
	Min	-0.19	C5	0.00	C4	0.00	C4	0.00	C1	0.00	C5	0.00	C4	0.00	C3
50%	Max	-0.08	C1	0.00	C1	0.00	C1	0.00	C5	0.00	C1	0.00	C3	0.00	C4
	Min	-0.19	C5	0.00	C4	0.00	C4	0.00	C1	0.00	C5	0.00	C4	0.00	C3
75%	Max	-0.08	C1	0.00	C1	0.00	C1	0.00	C5	0.00	C1	0.00	C3	0.00	C4
	Min	-0.19	C5	0.00	C4	0.00	C4	0.00	C1	0.00	C5	0.00	C4	0.00	C3
100%	Max	-0.08	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1
	Min	-0.19	C5	0.00	C4	0.00	C4	0.00	C1	0.00	C1	0.00	C1	0.00	C1

MEMBER **23**

Station		Axial [Kip/in2]	lc	Shear V2 [Kip/in2]	lc	Shear V3 [Kip/in2]	lc	Bending 2-Pos [Kip/in2]	lc	2-Neg [Kip/in2]	lc	3-Pos [Kip/in2]	lc	3-Neg [Kip/in2]	lc
0%	Max	0.27	C5	0.00	C5	0.00	C5	0.00	C1	0.00	C1	0.00	C4	0.00	C3
	Min	0.12	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C3	0.00	C4
25%	Max	0.27	C5	0.00	C5	0.00	C5	-0.03	C1	0.03	C1	0.00	C4	0.00	C3
	Min	0.12	C1	0.00	C1	0.00	C1	-0.03	C1	0.03	C1	0.00	C3	0.00	C4
50%	Max	0.27	C5	0.00	C5	0.00	C5	-0.04	C1	0.04	C1	0.00	C4	0.00	C3
	Min	0.13	C1	0.00	C1	0.00	C1	-0.04	C1	0.04	C1	0.00	C3	0.00	C4
75%	Max	0.27	C5	0.00	C5	0.00	C5	-0.03	C1	0.03	C1	0.00	C4	0.00	C3
	Min	0.13	C1	0.00	C1	0.00	C1	-0.03	C1	0.03	C1	0.00	C3	0.00	C4
100%	Max	0.27	C5	0.00	C5	0.00	C5	0.00	C1	0.00	C1	0.00	C1	0.00	C1
	Min	0.13	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1

MEMBER **24**

Station		Axial [Kip/in2]	lc	Shear V2 [Kip/in2]	lc	Shear V3 [Kip/in2]	lc	Bending 2-Pos [Kip/in2]	lc	2-Neg [Kip/in2]	lc	3-Pos [Kip/in2]	lc	3-Neg [Kip/in2]	lc
0%	Max	-0.12	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C3	0.00	C1
	Min	-0.28	C5	0.00	C4	0.00	C4	0.00	C1	0.00	C1	0.00	C1	0.00	C3
25%	Max	-0.12	C1	0.00	C1	0.00	C1	-0.01	C1	0.01	C1	0.00	C3	0.00	C1
	Min	-0.28	C5	0.00	C4	0.00	C4	-0.01	C1	0.01	C1	0.00	C1	0.00	C3
50%	Max	-0.12	C1	0.00	C1	0.00	C1	-0.02	C1	0.02	C1	0.00	C3	0.00	C1
	Min	-0.28	C5	0.00	C4	0.00	C4	-0.02	C1	0.02	C1	0.00	C1	0.00	C3
75%	Max	-0.12	C1	0.00	C1	0.00	C1	-0.01	C1	0.01	C1	0.00	C3	0.00	C1
	Min	-0.28	C5	0.00	C4	0.00	C4	-0.01	C1	0.01	C1	0.00	C1	0.00	C3
100%	Max	-0.13	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1
	Min	-0.28	C5	0.00	C4	0.00	C4	0.00	C1	0.00	C1	0.00	C1	0.00	C1

MEMBER **25**

Station		Axial [Kip/in2]	Ic	Shear V2 [Kip/in2]	Ic	Shear V3 [Kip/in2]	Ic	Bending 2-Pos [Kip/in2]	Ic	2-Neg [Kip/in2]	Ic	3-Pos [Kip/in2]	Ic	3-Neg [Kip/in2]	Ic
0%	Max	0.29	C5	0.00	C5	0.00	C5	0.00	C4	0.00	C1	0.00	C5	0.00	C1
	Min	0.13	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C4	0.00	C1	0.00	C5
25%	Max	0.29	C5	0.00	C1	0.00	C3	0.00	C5	0.03	C1	0.10	C3	-0.06	C4
	Min	0.13	C1	0.00	C4	0.00	C4	-0.03	C1	0.00	C5	0.06	C4	-0.10	C3
50%	Max	0.29	C5	0.00	C1	0.00	C3	-0.01	C4	0.03	C1	-0.04	C4	0.07	C3
	Min	0.13	C1	0.00	C5	0.00	C4	-0.03	C1	0.01	C4	-0.07	C3	0.04	C4
75%	Max	0.29	C5	0.01	C1	0.01	C1	-0.01	C4	0.03	C1	0.06	C5	0.01	C1
	Min	0.13	C1	0.00	C4	0.00	C4	-0.03	C1	0.01	C4	-0.01	C1	-0.06	C5
100%	Max	0.29	C5	0.01	C1	0.01	C1	0.00	C1	0.00	C4	0.00	C1	0.00	C5
	Min	0.13	C1	0.00	C4	0.00	C4	0.00	C4	0.00	C1	0.00	C5	0.00	C1

MEMBER **26**

Station		Axial [Kip/in2]	Ic	Shear V2 [Kip/in2]	Ic	Shear V3 [Kip/in2]	Ic	Bending 2-Pos [Kip/in2]	Ic	2-Neg [Kip/in2]	Ic	3-Pos [Kip/in2]	Ic	3-Neg [Kip/in2]	Ic
0%	Max	-0.08	C1	0.00	C1	0.00	C1	0.00	C5	0.00	C1	0.00	C4	0.00	C3
	Min	-0.19	C5	0.00	C4	0.00	C4	0.00	C1	0.00	C5	0.00	C3	0.00	C4
25%	Max	-0.08	C1	0.00	C1	0.00	C1	0.00	C5	0.00	C1	0.00	C4	0.00	C3
	Min	-0.19	C5	0.00	C4	0.00	C4	0.00	C1	0.00	C5	0.00	C3	0.00	C4
50%	Max	-0.08	C1	0.00	C1	0.00	C1	0.00	C5	0.00	C1	0.00	C4	0.00	C3
	Min	-0.19	C5	0.00	C4	0.00	C4	0.00	C1	0.00	C5	0.00	C3	0.00	C4
75%	Max	-0.08	C1	0.00	C1	0.00	C1	0.00	C5	0.00	C1	0.00	C4	0.00	C3
	Min	-0.19	C5	0.00	C4	0.00	C4	0.00	C1	0.00	C5	0.00	C3	0.00	C4
100%	Max	-0.08	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1
	Min	-0.19	C5	0.00	C4	0.00	C4	0.00	C1	0.00	C1	0.00	C1	0.00	C1

MEMBER **27**

Station		Axial [Kip/in2]	Ic	Shear V2 [Kip/in2]	Ic	Shear V3 [Kip/in2]	Ic	Bending 2-Pos [Kip/in2]	Ic	2-Neg [Kip/in2]	Ic	3-Pos [Kip/in2]	Ic	3-Neg [Kip/in2]	Ic
0%	Max	0.27	C5	0.00	C5	0.00	C5	0.00	C1	0.00	C1	0.00	C4	0.00	C3
	Min	0.12	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C3	0.00	C4
25%	Max	0.27	C5	0.00	C5	0.00	C5	-0.03	C1	0.03	C1	0.00	C4	0.00	C3
	Min	0.12	C1	0.00	C1	0.00	C1	-0.03	C1	0.03	C1	0.00	C3	0.00	C4
50%	Max	0.27	C5	0.00	C5	0.00	C5	-0.04	C1	0.04	C1	0.00	C4	0.00	C3
	Min	0.13	C1	0.00	C1	0.00	C1	-0.04	C1	0.04	C1	0.00	C3	0.00	C4
75%	Max	0.27	C5	0.00	C5	0.00	C5	-0.03	C1	0.03	C1	0.00	C4	0.00	C3
	Min	0.13	C1	0.00	C1	0.00	C1	-0.03	C1	0.03	C1	0.00	C3	0.00	C4
100%	Max	0.27	C5	0.00	C5	0.00	C5	0.00	C1	0.00	C1	0.00	C1	0.00	C1
	Min	0.13	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1

MEMBER **28**

Station		Axial [Kip/in2]	Ic	Shear V2 [Kip/in2]	Ic	Shear V3 [Kip/in2]	Ic	Bending 2-Pos [Kip/in2]	Ic	2-Neg [Kip/in2]	Ic	3-Pos [Kip/in2]	Ic	3-Neg [Kip/in2]	Ic
0%	Max	-0.12	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C3
	Min	-0.28	C5	0.00	C4	0.00	C4	0.00	C1	0.00	C1	0.00	C3	0.00	C1
25%	Max	-0.12	C1	0.00	C1	0.00	C1	-0.01	C1	0.01	C1	0.00	C1	0.00	C3
	Min	-0.28	C5	0.00	C4	0.00	C4	-0.01	C1	0.01	C1	0.00	C3	0.00	C1
50%	Max	-0.13	C1	0.00	C1	0.00	C1	-0.02	C1	0.02	C1	0.00	C1	0.00	C3
	Min	-0.28	C5	0.00	C4	0.00	C4	-0.02	C1	0.02	C1	0.00	C3	0.00	C1
75%	Max	-0.13	C1	0.00	C1	0.00	C1	-0.01	C1	0.01	C1	0.00	C1	0.00	C3
	Min	-0.28	C5	0.00	C4	0.00	C4	-0.01	C1	0.01	C1	0.00	C3	0.00	C1
100%	Max	-0.13	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1
	Min	-0.28	C5	0.00	C4	0.00	C4	0.00	C1	0.00	C1	0.00	C1	0.00	C1

MEMBER **29**

Bending

Station		Axial [Kip/in2]	lc	Shear V2 [Kip/in2]	lc	Shear V3 [Kip/in2]	lc	2-Pos [Kip/in2]	lc	2-Neg [Kip/in2]	lc	3-Pos [Kip/in2]	lc	3-Neg [Kip/in2]	lc
0%	Max	0.29	C5	0.00	C3	0.00	C3	0.00	C5	0.00	C2	0.00	C1	0.00	C4
	Min	0.13	C1	0.00	C4	0.00	C4	0.00	C2	0.00	C5	0.00	C4	0.00	C1
25%	Max	0.28	C5	0.00	C1	0.00	C1	0.00	C5	0.04	C1	-0.09	C1	0.13	C3
	Min	0.13	C1	0.00	C5	0.00	C4	-0.04	C1	0.00	C5	-0.13	C3	0.09	C1
50%	Max	0.28	C5	0.00	C1	0.00	C1	0.00	C5	0.04	C1	0.09	C3	-0.06	C1
	Min	0.13	C1	0.00	C5	0.00	C4	-0.04	C1	0.00	C5	0.06	C1	-0.09	C3
75%	Max	0.28	C5	0.00	C1	0.00	C1	0.00	C5	0.03	C1	0.03	C1	0.04	C5
	Min	0.13	C1	0.00	C4	0.00	C4	-0.03	C1	0.00	C5	-0.04	C5	-0.03	C1
100%	Max	0.28	C5	0.01	C1	0.00	C1	0.00	C1	0.00	C5	0.00	C5	0.00	C1
	Min	0.13	C1	0.00	C4	0.00	C4	0.00	C5	0.00	C1	0.00	C1	0.00	C5

MEMBER **32**

Station		Axial [Kip/in2]	lc	Shear V2 [Kip/in2]	lc	Shear V3 [Kip/in2]	lc	Bending 2-Pos [Kip/in2]	lc	Bending 2-Neg [Kip/in2]	lc	Bending 3-Pos [Kip/in2]	lc	Bending 3-Neg [Kip/in2]	lc
0%	Max	0.11	C5	0.00	C3	0.00	C3	-0.03	C1	0.15	C5	-0.01	C1	0.01	C5
	Min	0.05	C1	0.00	C4	0.00	C4	-0.15	C5	0.03	C1	-0.01	C5	0.01	C1
25%	Max	0.03	C5	0.00	C3	0.00	C3	-0.01	C1	0.02	C5	0.00	C4	0.00	C3
	Min	0.01	C1	0.00	C4	0.00	C4	-0.02	C5	0.01	C1	0.00	C3	0.00	C4
50%	Max	-0.02	C1	0.00	C1	0.00	C1	-0.01	C3	0.01	C1	0.00	C4	0.00	C1
	Min	-0.04	C5	0.00	C4	0.00	C4	-0.01	C1	0.01	C3	0.00	C1	0.00	C4
75%	Max	0.03	C5	0.00	C3	0.00	C3	-0.01	C1	0.02	C5	0.00	C4	0.00	C3
	Min	0.01	C1	0.00	C4	0.00	C4	-0.02	C5	0.01	C1	0.00	C3	0.00	C4
100%	Max	0.11	C5	0.00	C3	0.00	C3	-0.03	C1	0.15	C5	-0.01	C1	0.01	C5
	Min	0.05	C1	0.00	C4	0.00	C4	-0.15	C5	0.03	C1	-0.01	C5	0.01	C1

MEMBER **34**

Station		Axial [Kip/in2]	lc	Shear V2 [Kip/in2]	lc	Shear V3 [Kip/in2]	lc	Bending 2-Pos [Kip/in2]	lc	Bending 2-Neg [Kip/in2]	lc	Bending 3-Pos [Kip/in2]	lc	Bending 3-Neg [Kip/in2]	lc
0%	Max	-0.08	C1	0.03	C5	0.00	C5	0.46	C5	-0.21	C1	0.01	C5	0.00	C1
	Min	-0.17	C5	0.01	C1	0.00	C1	0.21	C1	-0.46	C5	0.00	C1	-0.01	C5
25%	Max	-0.06	C1	0.01	C5	0.00	C3	-0.03	C1	0.06	C5	0.00	C1	0.00	C5
	Min	-0.14	C5	0.00	C1	0.00	C1	-0.06	C5	0.03	C1	0.00	C5	0.00	C1
50%	Max	-0.08	C1	0.00	C5	0.00	C5	-0.13	C1	0.26	C5	0.00	C1	0.01	C5
	Min	-0.19	C5	0.00	C1	0.00	C1	-0.26	C5	0.13	C1	-0.01	C5	0.00	C1
75%	Max	-0.05	C1	0.02	C5	0.00	C5	-0.04	C1	0.11	C5	0.00	C1	0.01	C3
	Min	-0.15	C5	0.01	C1	0.00	C1	-0.11	C5	0.04	C1	-0.01	C3	0.00	C1
100%	Max	-0.03	C1	0.03	C5	0.01	C5	0.16	C5	-0.09	C1	0.01	C5	-0.01	C1
	Min	-0.12	C5	0.01	C1	0.00	C1	0.09	C1	-0.16	C5	0.01	C1	-0.01	C5

MEMBER **33**

Station		Axial [Kip/in2]	lc	Shear V2 [Kip/in2]	lc	Shear V3 [Kip/in2]	lc	Bending 2-Pos [Kip/in2]	lc	Bending 2-Neg [Kip/in2]	lc	Bending 3-Pos [Kip/in2]	lc	Bending 3-Neg [Kip/in2]	lc
0%	Max	-0.08	C1	0.03	C5	0.00	C5	0.47	C5	-0.21	C1	-0.01	C1	0.02	C5
	Min	-0.17	C5	0.01	C1	0.00	C1	0.21	C1	-0.47	C5	-0.02	C5	0.01	C1
25%	Max	-0.06	C1	0.01	C5	0.00	C1	-0.02	C1	0.05	C5	0.00	C3	0.00	C1
	Min	-0.13	C5	0.00	C1	0.00	C4	-0.05	C5	0.02	C1	0.00	C1	0.00	C3
50%	Max	-0.08	C1	0.00	C5	0.00	C5	-0.13	C1	0.26	C5	0.01	C5	0.00	C1
	Min	-0.19	C5	0.00	C1	0.00	C1	-0.26	C5	0.13	C1	0.00	C1	-0.01	C5
75%	Max	-0.05	C1	0.02	C5	0.00	C5	-0.04	C1	0.11	C5	0.01	C3	0.00	C1
	Min	-0.15	C5	0.01	C1	0.00	C1	-0.11	C5	0.04	C1	0.00	C1	-0.01	C3
100%	Max	-0.03	C1	0.03	C5	0.01	C5	0.16	C5	-0.09	C1	-0.01	C1	0.01	C5
	Min	-0.12	C5	0.01	C1	0.00	C1	0.09	C1	-0.16	C5	-0.01	C5	0.01	C1

MEMBER **35**

Station		Axial [Kip/in2]	lc	Shear V2 [Kip/in2]	lc	Shear V3 [Kip/in2]	lc	Bending 2-Pos [Kip/in2]	lc	Bending 2-Neg [Kip/in2]	lc	Bending 3-Pos [Kip/in2]	lc	Bending 3-Neg [Kip/in2]	lc
0%	Max	-0.05	C1	0.00	C1	0.00	C1	0.00	C5	0.00	C1	0.00	C3	0.00	C4

	Min	-0.10	C5	0.00	C3	0.00	C3	0.00	C1	0.00	C5	0.00	C4	0.00	C3
25%	Max	-0.05	C1	0.00	C1	0.00	C1	0.00	C5	0.00	C1	0.00	C3	0.00	C4
	Min	-0.10	C5	0.00	C3	0.00	C3	0.00	C1	0.00	C5	0.00	C4	0.00	C3
50%	Max	-0.05	C1	0.00	C1	0.00	C1	0.00	C5	0.00	C1	0.00	C3	0.00	C4
	Min	-0.10	C5	0.00	C3	0.00	C3	0.00	C1	0.00	C5	0.00	C4	0.00	C3
75%	Max	-0.05	C1	0.00	C1	0.00	C1	0.00	C5	0.00	C1	0.00	C3	0.00	C4
	Min	-0.10	C5	0.00	C3	0.00	C3	0.00	C1	0.00	C5	0.00	C4	0.00	C3
100%	Max	-0.05	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1
	Min	-0.10	C5	0.00	C3	0.00	C3	0.00	C1	0.00	C1	0.00	C1	0.00	C1

MEMBER **36**

Station		Axial [Kip/in2]	Ic	Shear V2 [Kip/in2]	Ic	Shear V3 [Kip/in2]	Ic	Bending 2-Pos [Kip/in2]	Ic	2-Neg [Kip/in2]	Ic	3-Pos [Kip/in2]	Ic	3-Neg [Kip/in2]	Ic
0%	Max	0.15	C5	0.00	C5	0.00	C5	0.00	C1	0.00	C1	0.00	C1	0.00	C3
	Min	0.07	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C3	0.00	C1
25%	Max	0.15	C5	0.00	C5	0.00	C5	-0.03	C1	0.03	C1	0.00	C1	0.00	C3
	Min	0.07	C1	0.00	C1	0.00	C1	-0.03	C1	0.03	C1	0.00	C3	0.00	C1
50%	Max	0.15	C5	0.00	C5	0.00	C5	-0.04	C1	0.04	C1	0.00	C1	0.00	C3
	Min	0.07	C1	0.00	C1	0.00	C1	-0.04	C1	0.04	C1	0.00	C3	0.00	C1
75%	Max	0.15	C5	0.00	C5	0.00	C5	-0.03	C1	0.03	C1	0.00	C1	0.00	C3
	Min	0.07	C1	0.00	C1	0.00	C1	-0.03	C1	0.03	C1	0.00	C3	0.00	C1
100%	Max	0.15	C5	0.00	C5	0.00	C5	0.00	C1	0.00	C1	0.00	C1	0.00	C1
	Min	0.07	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1

MEMBER **37**

Station		Axial [Kip/in2]	Ic	Shear V2 [Kip/in2]	Ic	Shear V3 [Kip/in2]	Ic	Bending 2-Pos [Kip/in2]	Ic	2-Neg [Kip/in2]	Ic	3-Pos [Kip/in2]	Ic	3-Neg [Kip/in2]	Ic
0%	Max	-0.07	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C3	0.00	C1
	Min	-0.15	C5	0.00	C4	0.00	C4	0.00	C1	0.00	C1	0.00	C1	0.00	C3
25%	Max	-0.07	C1	0.00	C1	0.00	C1	-0.01	C1	0.01	C1	0.00	C3	0.00	C1
	Min	-0.15	C5	0.00	C4	0.00	C4	-0.01	C1	0.01	C1	0.00	C1	0.00	C3
50%	Max	-0.07	C1	0.00	C1	0.00	C1	-0.02	C1	0.02	C1	0.00	C3	0.00	C1
	Min	-0.15	C5	0.00	C4	0.00	C4	-0.02	C1	0.02	C1	0.00	C1	0.00	C3
75%	Max	-0.07	C1	0.00	C1	0.00	C1	-0.01	C1	0.01	C1	0.00	C3	0.00	C1
	Min	-0.15	C5	0.00	C4	0.00	C4	-0.01	C1	0.01	C1	0.00	C1	0.00	C3
100%	Max	-0.07	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1
	Min	-0.15	C5	0.00	C4	0.00	C4	0.00	C1	0.00	C1	0.00	C1	0.00	C1

MEMBER **38**

Station		Axial [Kip/in2]	Ic	Shear V2 [Kip/in2]	Ic	Shear V3 [Kip/in2]	Ic	Bending 2-Pos [Kip/in2]	Ic	2-Neg [Kip/in2]	Ic	3-Pos [Kip/in2]	Ic	3-Neg [Kip/in2]	Ic
0%	Max	0.16	C5	0.00	C1	0.00	C1	0.00	C1	0.00	C4	0.00	C5	0.00	C1
	Min	0.08	C1	0.00	C5	0.00	C4	0.00	C4	0.00	C1	0.00	C1	0.00	C5
25%	Max	0.17	C5	0.00	C5	0.00	C5	0.03	C1	0.00	C4	0.12	C3	-0.08	C4
	Min	0.09	C1	0.00	C3	0.00	C2	0.00	C4	-0.03	C1	0.08	C4	-0.12	C3
50%	Max	0.17	C5	0.00	C5	0.00	C5	0.03	C1	-0.01	C4	-0.05	C4	0.08	C3
	Min	0.09	C1	0.00	C3	0.00	C2	0.01	C4	-0.03	C1	-0.08	C3	0.05	C4
75%	Max	0.18	C5	0.00	C1	0.00	C1	0.02	C1	0.00	C4	0.06	C5	0.01	C1
	Min	0.09	C1	0.00	C5	0.00	C5	0.00	C4	-0.02	C1	-0.01	C1	-0.06	C5
100%	Max	0.18	C5	0.00	C1	0.00	C1	0.00	C4	0.00	C1	0.00	C1	0.00	C5
	Min	0.09	C1	0.00	C5	0.00	C5	0.00	C1	0.00	C4	0.00	C5	0.00	C1

MEMBER **39**

Station		Axial [Kip/in2]	Ic	Shear V2 [Kip/in2]	Ic	Shear V3 [Kip/in2]	Ic	Bending 2-Pos [Kip/in2]	Ic	2-Neg [Kip/in2]	Ic	3-Pos [Kip/in2]	Ic	3-Neg [Kip/in2]	Ic
0%	Max	-0.05	C1	0.00	C1	0.00	C1	0.00	C5	0.00	C1	0.00	C1	0.00	C3
	Min	-0.10	C5	0.00	C4	0.00	C4	0.00	C1	0.00	C5	0.00	C3	0.00	C1
25%	Max	-0.05	C1	0.00	C1	0.00	C1	0.00	C5	0.00	C1	0.00	C1	0.00	C3
	Min	-0.10	C5	0.00	C4	0.00	C4	0.00	C1	0.00	C5	0.00	C3	0.00	C1
50%	Max	-0.05	C1	0.00	C1	0.00	C1	0.00	C5	0.00	C1	0.00	C1	0.00	C3

	Min	-0.10	C5	0.00	C4	0.00	C4	0.00	C1	0.00	C5	0.00	C3	0.00	C1
75%	Max	-0.05	C1	0.00	C1	0.00	C1	0.00	C5	0.00	C1	0.00	C1	0.00	C3
	Min	-0.10	C5	0.00	C4	0.00	C4	0.00	C1	0.00	C5	0.00	C3	0.00	C1
100%	Max	-0.05	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1
	Min	-0.10	C5	0.00	C4	0.00	C4	0.00	C1	0.00	C1	0.00	C1	0.00	C1

MEMBER **40**

Station		Axial [Kip/in2]	Ic	Shear V2 [Kip/in2]	Ic	Shear V3 [Kip/in2]	Ic	Bending 2-Pos [Kip/in2]	Ic	2-Neg [Kip/in2]	Ic	3-Pos [Kip/in2]	Ic	3-Neg [Kip/in2]	Ic
0%	Max	0.15	C5	0.00	C5	0.00	C5	0.00	C1	0.00	C1	0.00	C1	0.00	C3
	Min	0.07	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C3	0.00	C1
25%	Max	0.15	C5	0.00	C5	0.00	C5	-0.03	C1	0.03	C1	0.00	C1	0.00	C3
	Min	0.07	C1	0.00	C1	0.00	C1	-0.03	C1	0.03	C1	0.00	C3	0.00	C1
50%	Max	0.15	C5	0.00	C5	0.00	C5	-0.04	C1	0.04	C1	0.00	C1	0.00	C3
	Min	0.07	C1	0.00	C1	0.00	C1	-0.04	C1	0.04	C1	0.00	C3	0.00	C1
75%	Max	0.15	C5	0.00	C5	0.00	C5	-0.03	C1	0.03	C1	0.00	C1	0.00	C3
	Min	0.07	C1	0.00	C1	0.00	C1	-0.03	C1	0.03	C1	0.00	C3	0.00	C1
100%	Max	0.15	C5	0.00	C5	0.00	C5	0.00	C1	0.00	C1	0.00	C1	0.00	C1
	Min	0.07	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1

MEMBER **41**

Station		Axial [Kip/in2]	Ic	Shear V2 [Kip/in2]	Ic	Shear V3 [Kip/in2]	Ic	Bending 2-Pos [Kip/in2]	Ic	2-Neg [Kip/in2]	Ic	3-Pos [Kip/in2]	Ic	3-Neg [Kip/in2]	Ic
0%	Max	-0.07	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C3
	Min	-0.15	C5	0.00	C4	0.00	C4	0.00	C1	0.00	C1	0.00	C3	0.00	C1
25%	Max	-0.07	C1	0.00	C1	0.00	C1	-0.01	C1	0.01	C1	0.00	C1	0.00	C3
	Min	-0.15	C5	0.00	C4	0.00	C4	-0.01	C1	0.01	C1	0.00	C3	0.00	C1
50%	Max	-0.07	C1	0.00	C1	0.00	C1	-0.02	C1	0.02	C1	0.00	C1	0.00	C3
	Min	-0.15	C5	0.00	C4	0.00	C4	-0.02	C1	0.02	C1	0.00	C3	0.00	C1
75%	Max	-0.07	C1	0.00	C1	0.00	C1	-0.01	C1	0.01	C1	0.00	C1	0.00	C3
	Min	-0.15	C5	0.00	C4	0.00	C4	-0.01	C1	0.01	C1	0.00	C3	0.00	C1
100%	Max	-0.07	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1	0.00	C1
	Min	-0.15	C5	0.00	C4	0.00	C4	0.00	C1	0.00	C1	0.00	C1	0.00	C1

MEMBER **42**

Station		Axial [Kip/in2]	Ic	Shear V2 [Kip/in2]	Ic	Shear V3 [Kip/in2]	Ic	Bending 2-Pos [Kip/in2]	Ic	2-Neg [Kip/in2]	Ic	3-Pos [Kip/in2]	Ic	3-Neg [Kip/in2]	Ic
0%	Max	0.16	C5	0.00	C3	0.01	C3	0.00	C1	0.00	C5	0.00	C1	0.00	C2
	Min	0.08	C1	0.00	C4	0.00	C4	0.00	C5	0.00	C1	0.00	C2	0.00	C1
25%	Max	0.17	C5	0.00	C5	0.00	C5	0.03	C1	0.00	C4	-0.09	C4	0.13	C3
	Min	0.09	C1	0.00	C3	0.00	C2	0.00	C4	-0.03	C1	-0.13	C3	0.09	C4
50%	Max	0.17	C5	0.00	C5	0.00	C5	0.01	C1	0.02	C5	0.08	C3	-0.06	C4
	Min	0.09	C1	0.00	C3	0.00	C2	-0.02	C5	-0.01	C1	0.06	C4	-0.08	C3
75%	Max	0.17	C5	0.00	C1	0.00	C1	0.00	C1	0.02	C5	0.03	C1	0.03	C5
	Min	0.09	C1	0.00	C5	0.00	C5	-0.02	C5	0.00	C1	-0.03	C5	-0.03	C1
100%	Max	0.17	C5	0.00	C1	0.00	C1	0.00	C5	0.00	C1	0.00	C5	0.00	C1
	Min	0.09	C1	0.00	C5	0.00	C5	0.00	C1	0.00	C5	0.00	C1	0.00	C5

Bentley

Current Date: 11/20/2018 3:45 PM
Units system: English
File name: O:\9K\9200\9287 - VERIZON (WEST NYACK) Small Cell\9287.020 Albany Post Rd, Montrose\ST\RoofTruss.etz\

Wood Design

Design code: ANSI/AF&PA NDS-2005 ASD

Report: Summary - For all selected load conditions

Load conditions to be included in design :

C1=DL+WL
C2=DL+0.75WL+0.75SL
C3=DL+0.75WL+0.75LLR
C4=DL+SL
C5=DL+LLR

Description	Section	Member	Ctrl Eq.	Ratio	Status	Reference
	S4S 2x4	4	C1 at 100.00%	0.06	OK	(Sec. 3.6.3)
			C2 at 100.00%	0.10	OK	(Sec. 3.6.3)
			C3 at 100.00%	0.12	OK	(Sec. 3.6.3)
			C4 at 100.00%	0.12	OK	(Sec. 3.6.3)
			C5 at 100.00%	**0.15**	**OK**	(Sec. 3.6.3)
		5	C1 at 50.00%	0.07	OK	(Eq. 3.9-1)
			C2 at 50.00%	0.11	OK	(Eq. 3.9-1)
			C3 at 50.00%	0.12	OK	(Eq. 3.9-1)
			C4 at 50.00%	0.17	OK	(Eq. 3.9-1)
			C5 at 50.00%	**0.22**	**OK**	(Eq. 3.9-1)
		6	C1 at 100.00%	0.31	OK	(Sec. 3.6.3)
			C2 at 100.00%	0.51	OK	(Sec. 3.6.3)
			C3 at 100.00%	0.59	OK	(Sec. 3.6.3)
			C4 at 100.00%	0.58	OK	(Sec. 3.6.3)
			C5 at 100.00%	**0.69**	**OK**	(Sec. 3.6.3)
		7	C1 at 18.75%	0.07	OK	(Eq. 3.9-1)
			C2 at 18.75%	0.11	OK	(Eq. 3.9-1)
			C3 at 18.75%	0.13	OK	(Eq. 3.9-1)
			C4 at 18.75%	0.17	OK	(Eq. 3.9-1)
			C5 at 18.75%	**0.23**	**OK**	(Eq. 3.9-1)
		8	C1 at 100.00%	0.06	OK	(Sec. 3.6.3)
			C2 at 100.00%	0.10	OK	(Sec. 3.6.3)
			C3 at 100.00%	0.12	OK	(Sec. 3.6.3)
			C4 at 100.00%	0.12	OK	(Sec. 3.6.3)
			C5 at 100.00%	**0.15**	**OK**	(Sec. 3.6.3)
		9	C1 at 50.00%	0.07	OK	(Eq. 3.9-1)
			C2 at 50.00%	0.11	OK	(Eq. 3.9-1)
			C3 at 50.00%	0.12	OK	(Eq. 3.9-1)
			C4 at 50.00%	0.17	OK	(Eq. 3.9-1)
			C5 at 50.00%	**0.22**	**OK**	(Eq. 3.9-1)
		10	C1 at 100.00%	0.32	OK	(Sec. 3.6.3)
			C2 at 100.00%	0.51	OK	(Sec. 3.6.3)
			C3 at 100.00%	0.60	OK	(Sec. 3.6.3)
			C4 at 100.00%	0.59	OK	(Sec. 3.6.3)
			C5 at 100.00%	**0.70**	**OK**	(Sec. 3.6.3)
		11	C1 at 82.81%	0.17	OK	(AITC-TCM)
			C2 at 20.31%	0.12	OK	(Eq. 3.9-1)
			C3 at 20.31%	0.14	OK	(Eq. 3.9-1)
			C4 at 20.31%	0.19	OK	(Eq. 3.9-1)
			C5 at 20.31%	**0.25**	**OK**	(Eq. 3.9-1)

22	C1 at 100.00%	0.06	OK	(Sec. 3.6.3)
	C2 at 100.00%	0.10	OK	(Sec. 3.6.3)
	C3 at 100.00%	0.12	OK	(Sec. 3.6.3)
	C4 at 100.00%	0.13	OK	(Sec. 3.6.3)
	C5 at 100.00%	**0.16**	**OK**	(Sec. 3.6.3)
23	C1 at 50.00%	0.08	OK	(Eq. 3.9-1)
	C2 at 50.00%	0.11	OK	(Eq. 3.9-1)
	C3 at 50.00%	0.13	OK	(Eq. 3.9-1)
	C4 at 50.00%	0.18	OK	(Eq. 3.9-1)
	C5 at 50.00%	**0.24**	**OK**	(Eq. 3.9-1)
24	C1 at 100.00%	0.32	OK	(Sec. 3.6.3)
	C2 at 100.00%	0.53	OK	(Sec. 3.6.3)
	C3 at 100.00%	0.62	OK	(Sec. 3.6.3)
	C4 at 100.00%	0.60	OK	(Sec. 3.6.3)
	C5 at 100.00%	**0.73**	**OK**	(Sec. 3.6.3)
25	C1 at 18.75%	0.08	OK	(Eq. 3.9-1)
	C2 at 18.75%	0.12	OK	(Eq. 3.9-1)
	C3 at 18.75%	0.14	OK	(Eq. 3.9-1)
	C4 at 75.00%	0.17	OK	(Eq. 3.9-1)
	C5 at 72.92%	**0.24**	**OK**	(Eq. 3.9-1)
26	C1 at 100.00%	0.06	OK	(Sec. 3.6.3)
	C2 at 100.00%	0.10	OK	(Sec. 3.6.3)
	C3 at 100.00%	0.12	OK	(Sec. 3.6.3)
	C4 at 100.00%	0.13	OK	(Sec. 3.6.3)
	C5 at 100.00%	**0.16**	**OK**	(Sec. 3.6.3)
27	C1 at 50.00%	0.08	OK	(Eq. 3.9-1)
	C2 at 50.00%	0.11	OK	(Eq. 3.9-1)
	C3 at 50.00%	0.13	OK	(Eq. 3.9-1)
	C4 at 50.00%	0.18	OK	(Eq. 3.9-1)
	C5 at 50.00%	**0.24**	**OK**	(Eq. 3.9-1)
28	C1 at 100.00%	0.32	OK	(Sec. 3.6.3)
	C2 at 100.00%	0.53	OK	(Sec. 3.6.3)
	C3 at 100.00%	0.62	OK	(Sec. 3.6.3)
	C4 at 100.00%	0.60	OK	(Sec. 3.6.3)
	C5 at 100.00%	**0.73**	**OK**	(Sec. 3.6.3)
29	C1 at 18.75%	0.09	OK	(Eq. 3.9-1)
	C2 at 18.75%	0.12	OK	(Eq. 3.9-1)
	C3 at 18.75%	0.14	OK	(Eq. 3.9-1)
	C4 at 18.75%	0.17	OK	(Eq. 3.9-1)
	C5 at 18.75%	**0.24**	**OK**	(Eq. 3.9-1)
35	C1 at 100.00%	0.03	OK	(Sec. 3.6.3)
	C2 at 100.00%	0.06	OK	(Sec. 3.6.3)
	C3 at 100.00%	0.07	OK	(Sec. 3.6.3)
	C4 at 100.00%	0.07	OK	(Sec. 3.6.3)
	C5 at 100.00%	**0.09**	**OK**	(Sec. 3.6.3)
36	C1 at 50.00%	0.05	OK	(Eq. 3.9-1)
	C2 at 50.00%	0.07	OK	(Eq. 3.9-1)
	C3 at 50.00%	0.08	OK	(Eq. 3.9-1)
	C4 at 50.00%	0.11	OK	(Eq. 3.9-1)
	C5 at 50.00%	**0.14**	**OK**	(Eq. 3.9-1)
37	C1 at 100.00%	0.18	OK	(Sec. 3.6.3)
	C2 at 100.00%	0.29	OK	(Sec. 3.6.3)
	C3 at 100.00%	0.34	OK	(Sec. 3.6.3)
	C4 at 100.00%	0.33	OK	(Sec. 3.6.3)
	C5 at 100.00%	**0.40**	**OK**	(Sec. 3.6.3)
38	C1 at 60.42%	0.06	OK	(Eq. 3.9-1)
	C2 at 60.42%	0.08	OK	(Eq. 3.9-1)
	C3 at 60.42%	0.09	OK	(Eq. 3.9-1)
	C4 at 60.42%	0.11	OK	(Eq. 3.9-1)
	C5 at 60.42%	**0.15**	**OK**	(Eq. 3.9-1)
39	C1 at 100.00%	0.03	OK	(Sec. 3.6.3)

		C2 at 100.00%	0.06	OK	(Sec. 3.6.3)
		C3 at 100.00%	0.07	OK	(Sec. 3.6.3)
		C4 at 100.00%	0.07	OK	(Sec. 3.6.3)
		C5 at 100.00%	**0.09**	**OK**	(Sec. 3.6.3)
	40	C1 at 50.00%	0.05	OK	(Eq. 3.9-1)
		C2 at 50.00%	0.07	OK	(Eq. 3.9-1)
		C3 at 50.00%	0.08	OK	(Eq. 3.9-1)
		C4 at 50.00%	0.11	OK	(Eq. 3.9-1)
		C5 at 50.00%	**0.14**	**OK**	(Eq. 3.9-1)
	41	C1 at 100.00%	0.18	OK	(Sec. 3.6.3)
		C2 at 100.00%	0.29	OK	(Sec. 3.6.3)
		C3 at 100.00%	0.34	OK	(Sec. 3.6.3)
		C4 at 100.00%	0.33	OK	(Sec. 3.6.3)
		C5 at 100.00%	**0.40**	**OK**	(Sec. 3.6.3)
	42	C1 at 18.75%	0.07	OK	(Sec. 3.3)
		C2 at 20.83%	0.07	OK	(Eq. 3.9-1)
		C3 at 20.83%	0.08	OK	(Eq. 3.9-1)
		C4 at 66.67%	0.11	OK	(Eq. 3.9-1)
		C5 at 64.58%	**0.15**	**OK**	(Eq. 3.9-1)
S4S 2x6	**15**	C1 at 50.00%	0.05	OK	(AITC-TCM)
		C2 at 50.00%	0.04	OK	(AITC-TCM)
		C3 at 50.00%	0.04	OK	(AITC-TCM)
		C4 at 48.44%	0.05	OK	(Eq. 3.9-3)
		C5 at 48.44%	**0.06**	**OK**	(Eq. 3.9-3)
	16	C1 at 50.00%	**0.09**	**OK**	(AITC-TCM)
		C2 at 50.00%	0.09	OK	(AITC-TCM)
		C3 at 50.00%	0.09	OK	(AITC-TCM)
		C4 at 50.00%	0.05	OK	(AITC-TCM)
		C5 at 50.00%	0.07	OK	(AITC-TCM)
	17	C1 at 50.00%	0.12	OK	(AITC-TCM)
		C2 at 50.00%	0.11	OK	(AITC-TCM)
		C3 at 50.00%	0.11	OK	(AITC-TCM)
		C4 at 10.94%	0.11	OK	(AITC-TCM)
		C5 at 10.94%	**0.15**	**OK**	(AITC-TCM)
	18	C1 at 10.94%	0.04	OK	(AITC-TCM)
		C2 at 10.94%	0.04	OK	(AITC-TCM)
		C3 at 10.94%	0.04	OK	(AITC-TCM)
		C4 at 50.00%	0.03	OK	(Sec. 3.3)
		C5 at 50.00%	**0.05**	**OK**	(Sec. 3.3)
S4S 2x8	**1**	C1 at 40.00%	0.22	OK	(Sec. 3.6.3)
		C2 at 40.00%	0.37	OK	(Sec. 3.6.3)
		C3 at 40.00%	0.43	OK	(Sec. 3.6.3)
		C4 at 40.00%	0.42	OK	(Sec. 3.6.3)
		C5 at 40.00%	**0.50**	**OK**	(Sec. 3.6.3)
	2	C1 at 0.00%	0.14	OK	(Eq. 3.9-3)
		C2 at 0.00%	0.23	OK	(Eq. 3.9-3)
		C3 at 0.00%	0.26	OK	(Eq. 3.9-3)
		C4 at 0.00%	0.36	OK	(Eq. 3.9-3)
		C5 at 0.00%	**0.49**	**OK**	(Eq. 3.9-3)
	3	C1 at 0.00%	0.59	OK	(AITC-TCM)
		C2 at 0.00%	0.37	OK	(Sec. 3.4)
		C3 at 0.00%	0.42	OK	(Sec. 3.4)
		C4 at 0.00%	0.57	OK	(Sec. 3.4)
		C5 at 0.00%	**0.76**	**OK**	(Sec. 3.4)
	13	C1 at 71.88%	0.06	OK	(Eq. 3.9-3)
		C2 at 75.00%	0.11	OK	(AITC-TCM)
		C3 at 75.00%	0.15	OK	(AITC-TCM)
		C4 at 75.00%	0.33	OK	(AITC-TCM)
		C5 at 75.00%	**0.46**	**OK**	(AITC-TCM)
	14	C1 at 59.38%	0.07	OK	(Eq. 3.9-3)
		C2 at 62.50%	0.09	OK	(AITC-TCM)

	C3 at 62.50%	0.11	OK	(AITC-TCM)
	C4 at 62.50%	0.15	OK	(AITC-TCM)
	C5 at 62.50%	**0.21**	**OK**	(AITC-TCM)
19	C1 at 100.00%	0.17	OK	(Sec. 3.3)
	C2 at 40.00%	0.27	OK	(Sec. 3.6.3)
	C3 at 40.00%	0.32	OK	(Sec. 3.6.3)
	C4 at 40.00%	0.34	OK	(Sec. 3.6.3)
	C5 at 40.00%	**0.41**	**OK**	(Sec. 3.6.3)
20	C1 at 0.00%	0.12	OK	(Eq. 3.9-3)
	C2 at 0.00%	0.21	OK	(Eq. 3.9-3)
	C3 at 0.00%	0.25	OK	(Eq. 3.9-3)
	C4 at 0.00%	0.34	OK	(Eq. 3.9-3)
	C5 at 0.00%	**0.48**	**OK**	(Eq. 3.9-3)
21	C1 at 0.00%	0.12	OK	(Eq. 3.9-3)
	C2 at 0.00%	0.21	OK	(Eq. 3.9-3)
	C3 at 0.00%	0.25	OK	(Eq. 3.9-3)
	C4 at 0.00%	0.34	OK	(Eq. 3.9-3)
	C5 at 0.00%	**0.47**	**OK**	(Eq. 3.9-3)
32	C1 at 40.00%	0.15	OK	(Sec. 3.6.3)
	C2 at 40.00%	0.22	OK	(Sec. 3.6.3)
	C3 at 40.00%	0.25	OK	(Sec. 3.6.3)
	C4 at 40.00%	0.22	OK	(Sec. 3.6.3)
	C5 at 40.00%	**0.26**	**OK**	(Sec. 3.6.3)
34	C1 at 84.38%	0.10	OK	(AITC-TCM)
	C2 at 84.38%	0.14	OK	(AITC-TCM)
	C3 at 84.38%	0.16	OK	(AITC-TCM)
	C4 at 84.38%	0.20	OK	(AITC-TCM)
	C5 at 84.38%	**0.27**	**OK**	(AITC-TCM)
33	C1 at 84.38%	0.10	OK	(AITC-TCM)
	C2 at 84.38%	0.14	OK	(AITC-TCM)
	C3 at 84.38%	0.16	OK	(AITC-TCM)
	C4 at 84.38%	0.20	OK	(AITC-TCM)
	C5 at 84.38%	**0.28**	**OK**	(AITC-TCM)

Bentley

Current Date: 11/20/2018 3:45 PM
Units system: English
File name: O:\9K\9200\9287 - VERIZON (WEST NYACK) Small Cell\9287.020 Albany Post Rd, Montrose\ST\RoofTruss.etz\

Steel Code Check

Report: Summary - For all selected load conditions

Load conditions to be included in design :
C6=DL+WL

Description	Section	Member	Ctrl Eq.	Ratio	Status	Reference
	PIPE 3-1_2x0.226	**12**	C6 at 56.25%	**0.12**	**OK**	Eq. H1-1b

EXHIBIT 3
RF Affidavit

PLANNING BOARD
TOWN OF CORTLANDT

----------X

In the matter of the Application of

NEW YORK SMSA LIMITED PARTNERSHIP
d/b/a VERIZON WIRELESS

Premises: Section 43.20, Block 4, Lot 42
2143 Albany Post Road
Town of Cortlandt, New York

----------X

State of New York)
)ss.:
County of Rockland)

Ali Aljibori, does depose and say:

Introduction

1. I am a radio frequency engineer with New York SMSA Limited Partnership d/b/a Verizon Wireless ("Verizon Wireless") in connection with its application at the captioned site. As a radio frequency engineer, I am trained to identify issues in wireless communications coverage and to evaluate the ability of proposed wireless communication services facility sites to remedy any issues. In addition, I am familiar with Verizon Wireless' existing and proposed wireless communication services facility sites in and around the Town of Cortlandt ("Town").

2. I respectfully submit this affidavit in support of Verizon Wireless' application ("Application") for the required special use permit in connection with a proposed public utility personal wireless facility ("Facility") located at 2143 Albany Post Road, Town of Cortlandt, New York ("Site").

3. The proposed Facility consists of antennas concealed within a stealth enclosure on the roof of the existing building ("Building"), together with related equipment at the base thereof.

Need for the Site

4. Verizon Wireless is licensed by the Federal Communications Commission ("FCC") to provide wireless telecommunication services. Verizon Wireless provides voice and data communications through its various licensed radio-frequencies.

5. Throughout the New York metropolitan region, including the Town of Cortlandt, Verizon Wireless is designing its wireless network to be able to seamlessly transmit wireless data using various frequencies to wirelessly transmit and receive high-speed data.

6. Unlike radio and television broadcast towers, which utilize high power output transmitters to cover large geographical areas, Verizon Wireless' network relies on geographically close, low power transmitters and antennas. This network is comprised of cell sites which operate within a group of assigned radio frequencies. Reliable wireless communications, including data receipt and transmission, depends on the architecture of the wireless network.

7. Verizon Wireless currently has critical capacity issues in the area of the Town surrounding the Site. As mobile phone use continues to increase, especially the demand for data transmitted via such devices, the existing facilities in the area responsible for transmitting and receiving such data have become overburdened resulting in dropped call, denied access to the network, a reduction in data transmission speed, or an inability to transmit data.

8. The Facility is primarily needed to remedy Verizon Wireless' capacity needs. All cell sites have capacity/usage limitations, once those limitations are met or exceeded, a new site is required to provide viable service to the area.

9. There are two basic Key Performance Indicators (KPIs) used to determine if a site is experiencing capacity limitations. They are 1) Average Scheduled Eligibility Users (ASEU) and 2) Forward Data Volume (FDV). The Scheduler (where ASEU resides) is effectively the brains of a cell site and is used to determine what users can send data and when it can be sent. If the ASEU is too high the scheduler becomes overloaded and no new users can join the system and current users will experience data blocking and/or lost/dropped calls. FDV is the amount of data a cell site can provide before users start to experience poor data throughputs. Verizon Wireless keeps a close eye on these and other parameters to determine capacity relief solutions.

10. The charts attached hereto as Exhibit A show the exhaust points for the FDV (on the left) and ASEU (on the right). As can be seen on the charts, the FDV and the ASEU for adjacent sites (known as Buchanon and Crugers and hereinafter referred to as "Adjacent Sites") have reached capacity in June 2018, causing a slowdown or inability to access data from those sites.

11. The Facility at the Site will provide immediate capacity relief to Verizon Wireless' Adjacent Sites, providing the residents in that area of the Town better access to

Verizon Wireless' services. The proposed Facility will allow for fewer dropped calls, better ability to access Verizon Wireless' network and faster data transmission speeds from not only the proposed Facility, but also from the Adjacent Sites.

12. The Facility will also remedy a gap in coverage. Propagation studies of the proposed Facility and the adjoining existing sites are attached hereto as Exhibit B and in compliance with subsection (v) of Section 277-6 (E) of the Town Code.

Verizon Wireless' Existing and Proposed Facilities

13. In accordance with Section 277-7 (C) of the Town Code, Verizon Wireless' existing personal wireless facilities, whether rooftop or towers, which impact upon the service area covering the Town are indicated on the map and list, attached hereto as Exhibit C.

14. In addition, the general location of future Verizon Wireless facilities anticipated over the next two years, to the best of my knowledge at this time are indicated on Exhibit C.

15. The Facility at the Site is ideally located because it would help remedy network capacity issues utilizing an existing tall structure, being the highest priority location under Section 277-7 (A) of the Town Code.

Conclusion

Based on the foregoing, the requested approvals should be granted forthwith.

Respectfully submitted,

Ali Aljibouri

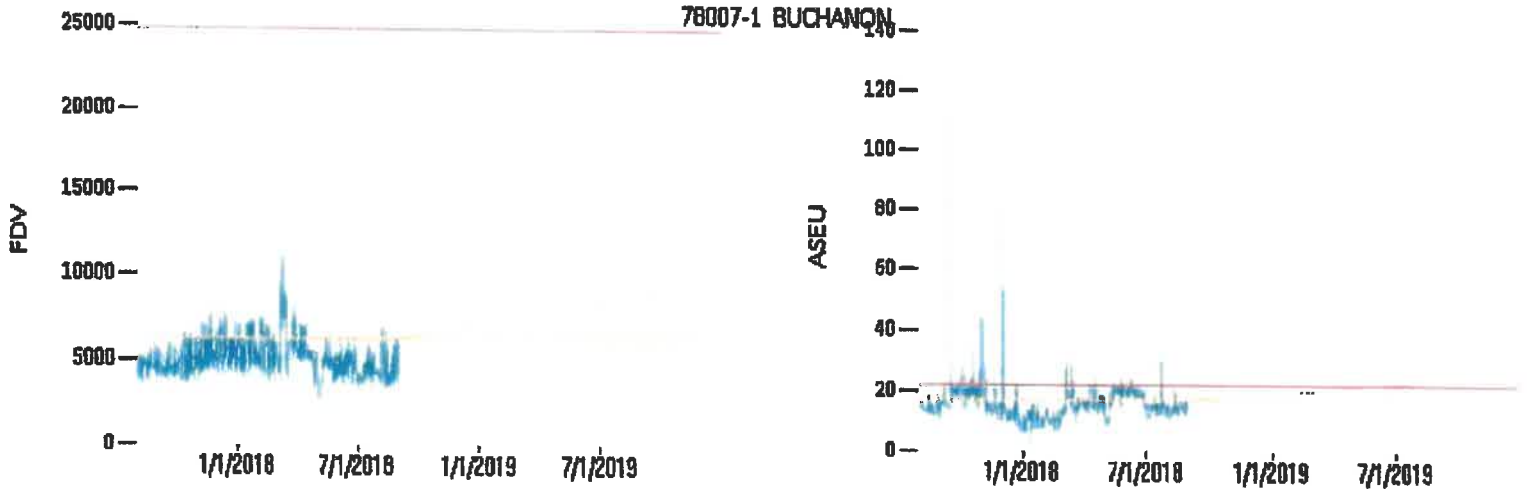
Signed before me this
23 day of October, 2018

Notary Public

SHANNON ENNIST-MUCCI
Notary Public, State of New York
No. 01EN6247179
Qualified in Ulster County
Commission Expires August 22, 2019

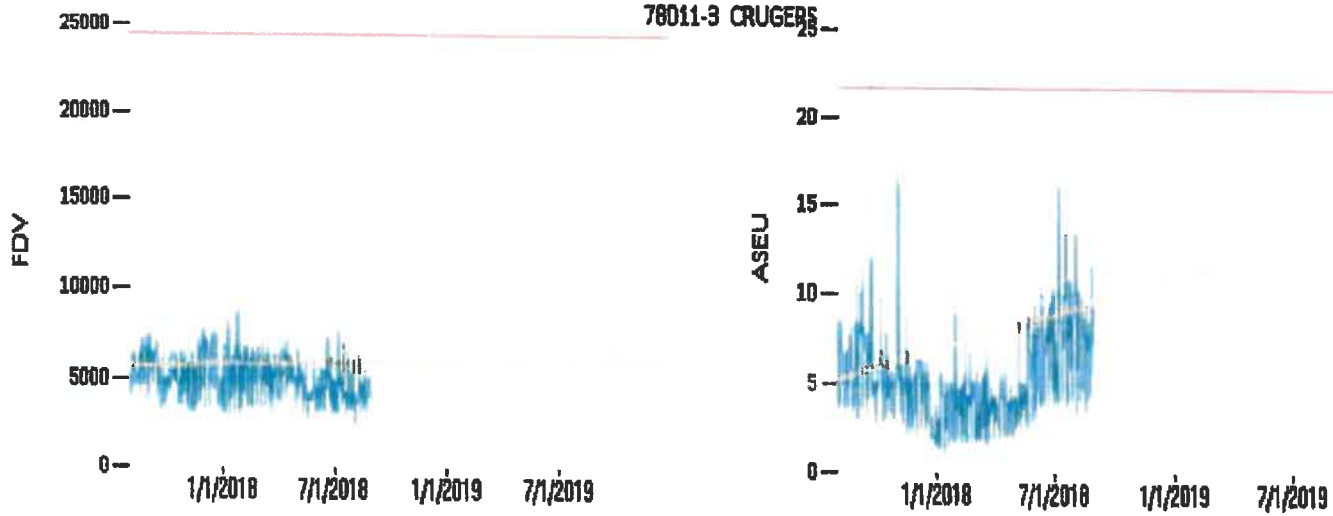
Exhibit A

78007_Buchanon Alpha projected Demand



Reached Maximum Capacity in June 2018

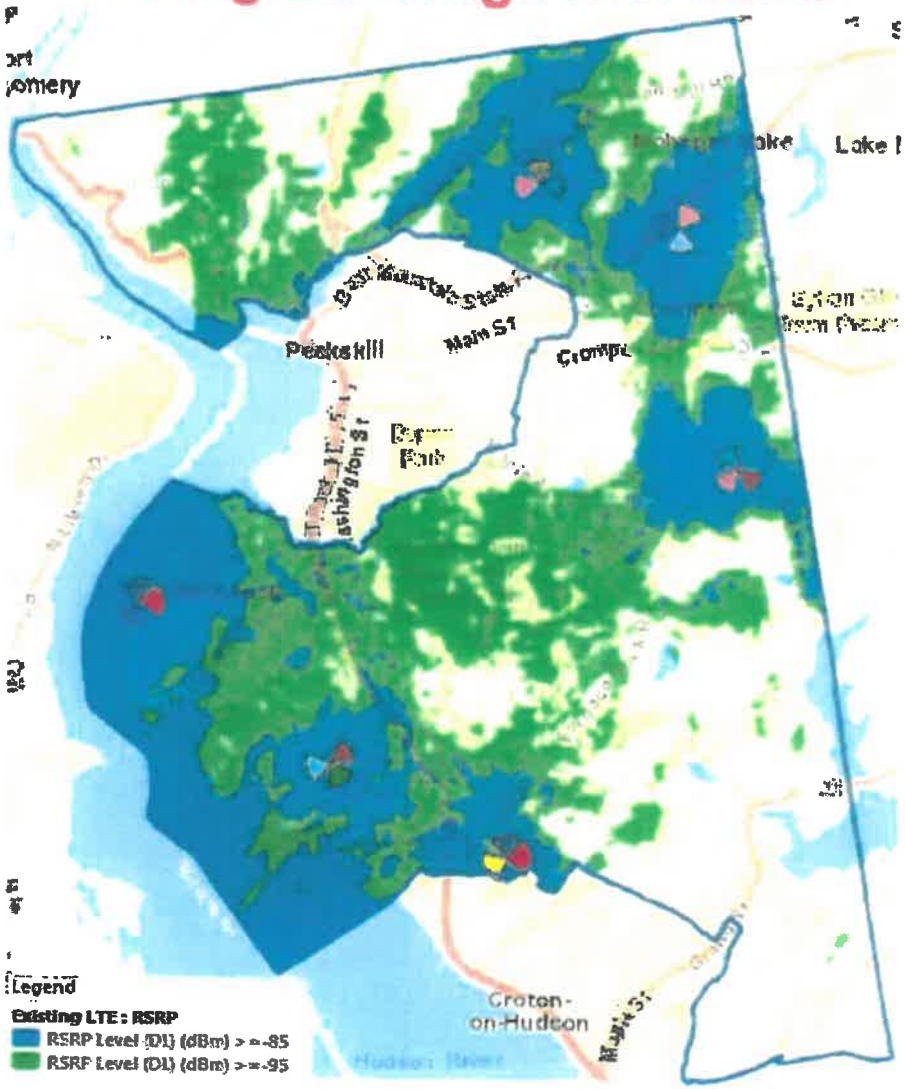
78011_Crugers Gamma projected Demand



Reached Maximum Capacity in July 2018

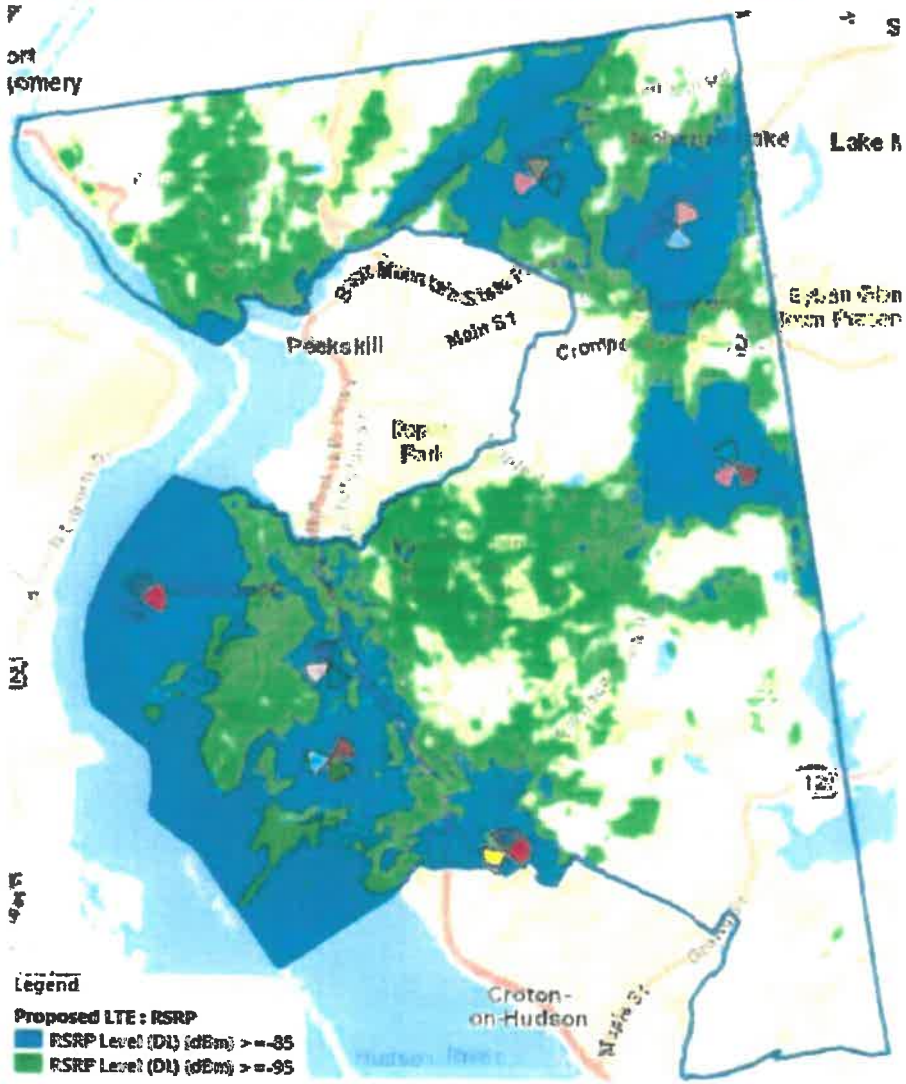
Exhibit B

Existing Coverage LTE RSRP



verizon

Proposed Coverage LTE RSRP



verizon

Exhibit C

List of Existing & Proposed Sites

Proposed Sites

Location Name	Address/Municipality
BUCHANON 2	300 Railroad Ave a/k/a1060 Lower South Street, City of Peekskill, NY
MOUNT AIRY	1065 Quaker Bridge Road East, Town of Cortlandt, NY
ALBANY POST RD_SC	2143 Albany Post Rd, Town of Cortlandt, NY
Cortland_L	52 Montrose Station Road, Town of Cortlandt, NY
Croton on Hudson 2_L	1 Van Wyck Street, Village of Croton-on-Hudson, NY
Croton Reservoir_L	451 Yorktown Road a/k/a Lower Yorktown Road, Town of Cortlandt, NY
Peekskill 4_L	5742 Albany Post Road, Town of Cortlandt, NY

Existing Sites

Location Name	Street Address
FURNACE WOODS	51 Scenic Drive, Town of Cortlandt, NY
BUCHANAN	Hudson River Tower East, Town of Cortlandt, NY
CRUGERS	138 Albany Post Road, Town of Cortlandt, NY
EAST CORTLANDT MANOR	1033 OREGON ROAD, Town of Cortlandt, NY
ROE PARK	3105 East Main Street, Town of Cortlandt, NY
PEEKSKILL 3	901 Main Street, City of Peekskill, NY
ROA HOOK	1 Bayview Drive, City of Peekskill, NY
MOHEGAN LAKE	Woodland Ave, Town of Yorktown, NY
CROMPOND	3800 Crompond Rd, Town of Yorktown, NY
PEEKSKILL	WINCHESTER AVE, City of Peekskill, NY
DICKERSON MOUNTAIN	260 Croton Avenue, Town of Cortlandt, NY

verizon

Existing & Proposed Sites

verizon

EXHIBIT 4
Visual Analysis

FRENCH & PARRELLO ASSOCIATES

EXPERIENCE YOU CAN BUILD ON

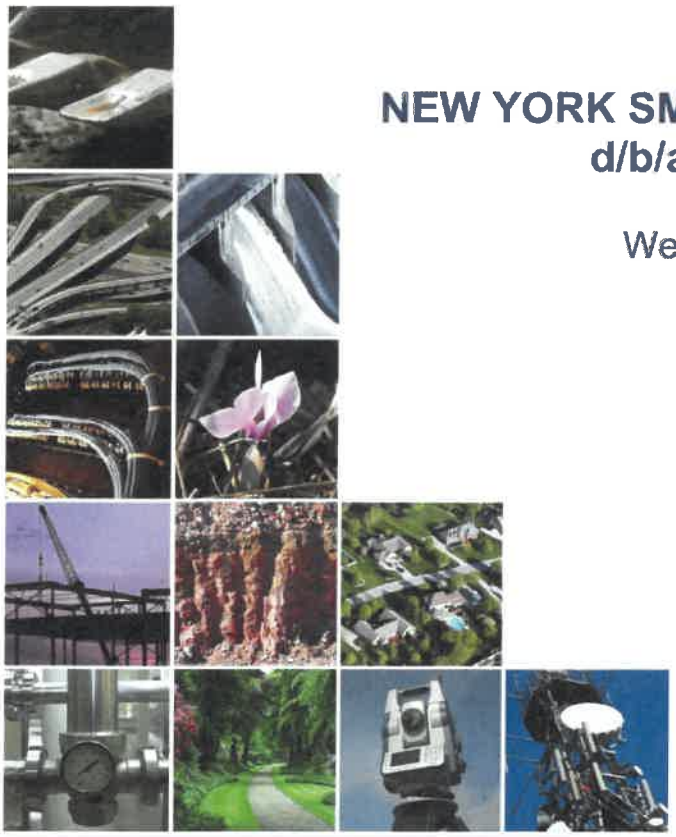
PHOTO SIMULATION

For

Proposed Verizon Wireless Antenna Installation
Site Name: ALBANY POST ROAD_SC

Located At

2143 Albany Post Road
Montrose (Town of Cortlandt), NY
Block 4, Lot 42



Prepared For:

NEW YORK SMSA LIMITED PARTNERSHIP
d/b/a Verizon Wireless
4 Centerock Rd.
West Nyack, NY 10994

December 19, 2018
FPA No. 9287.020

1800 ROUTE 34, SUITE 101 • WALL, NJ • 07719 • T 732.312.9800 • F 732.312.9801
HACKETTSTOWN, NJ • NEW YORK, NY
WWW.FPAENGINEERS.COM

FRENCH & PARRELLO ASSOCIATES

Corporate Office
1800 Route 34, Suite 101
Wall, NJ 07719

Regional Offices
Hackettstown, NJ
New York, NY

French and Parrello Associates (FPA) has prepared a Visibility Analysis of a proposed Verizon Wireless Telecommunications Facility ("Facility") located at 2143 Albany Post Road, Montrose (Town of Cortlandt), New York.

A site visit was conducted by FPA on November 14, 2018 between 12:00PM and 2:00PM to obtain photos of the subject property in order to create renderings of the primary components of the proposed facility from an observer's perspective. Measurements of the existing structure were taken in order to scale the photographs to depict the height of the proposed 7' Verizon stealth canister on the existing roof from an observer's perspective from those photos/locations where the Facility will be visible. The components of the Facility at the subject property are based on drawings prepared by FPA, dated November 20, 2018.

Seven (7) photo locations are provided to present a "before and after" illustration of the proposed Facility from the immediate area along Albany Post Road and Kings Ferry Road. The photo locations were taken from the approximate distances measured using Google Earth.

Photo Location		Distance
Photo Location 1:	View from Kings Ferry Road, looking East	± 145 ft
Photo Location 2:	View from Albany Post Road, looking Northeast	± 170 ft
Photo Location 3:	View from Albany Post Road, looking Northeast	± 380 ft
Photo Location 4:	View from Albany Post Road, looking Southeast	± 200 ft
Photo Location 5:	View from Kings Ferry Road, looking East	± 300 ft
Photo Location 6:	View from Albany Post Road, looking Southeast	± 530 ft
Photo Location 7:	View from Albany Post Road, looking Northeast	± 600 ft

The photographs were taken using a Canon PowerShot ELPH 180 Camera set on autofocus. Field measurements taken during the site visit include building heights, lengths, and widths which were used to help scale the rendered stealth screening to proper perspectives. Adobe Photoshop was used to create the renderings.

Based upon the final images within our Visibility Analysis attached, the proposed Verizon Wireless Telecommunications Facility will not have an adverse visual impact on the surrounding area.

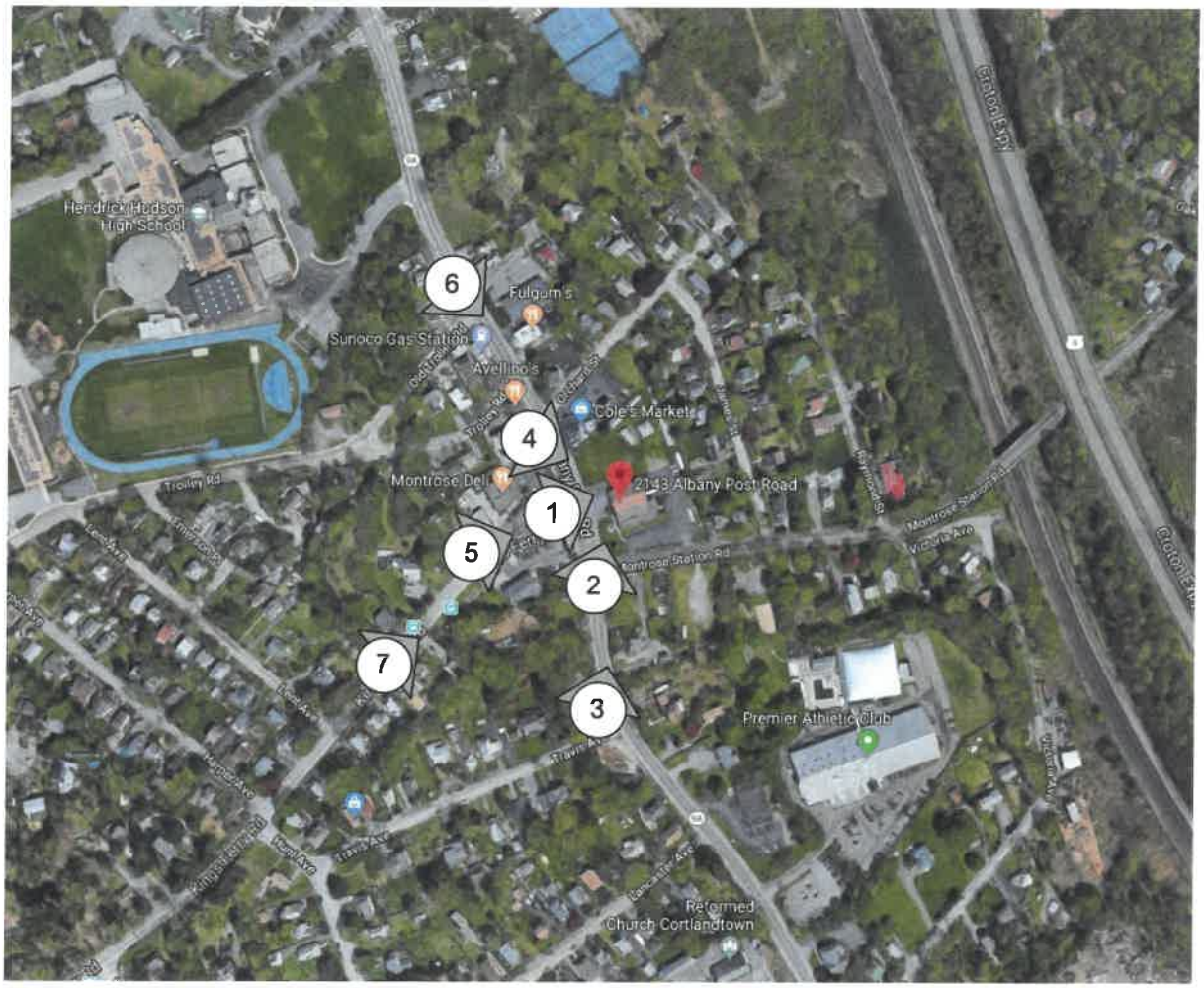


Photo Location Key Map

Photo 1: Existing View Looking East on Kings Ferry Road

Simulation 1: Proposed View Looking East on Kings Ferry Road

Photo 2: Existing View Looking Northeast on Albany Post Road

Simulation 2: Proposed View Northeast on Albany Post Road

Photo 3: View Looking Northeast on Albany Post Road
(Note: Portions of the proposed Facility may be visible during leaf-off conditions.)

Photo 4: Existing View Looking Southeast on Albany Post Road

Simulation 4: Proposed View Southeast on Albany Post Road

Photo 5: Existing View Looking East on Kings Ferry Road

Simulation 5: Proposed View Looking East on Kings Ferry Road

Photo 6: View Looking Southeast on Albany Post Road
(Proposed Facility not visible from this location)

Photo 7: View Looking Northeast on Kings Ferry Road
(Proposed Facility not visible from this location)

EXHIBIT 5
Lease

Site Name: NY-Albany Post Rd (SC)
Project Code: 20141109161

LEASE AGREEMENT

This Lease Agreement (the "Lease" or "Agreement") made this 11TH day of JULY, 2018, between CORTLANDT ENGINE COMPANY, INCORPORATED, a/k/a CORTLANDT ENGINE CO. INC., with its principal offices located at 2143 Albany Post Road, Montrose, New York 10548, hereinafter designated LESSOR and NEW YORK SMSA LIMITED PARTNERSHIP d/b/a Verizon Wireless with its principal offices at One Verizon Way, Mail Stop 4AW100, Basking Ridge, New Jersey 07920 (telephone number 866-862-4404), hereinafter designated LESSEE. LESSOR and LESSEE are at times collectively referred to hereinafter as the "Parties" or individually as the "Party."

WITNESSETH

In consideration of the mutual covenants contained herein and intending to be legally bound hereby, the Parties hereto agree as follows:

1. PREMISES. LESSOR hereby leases to LESSEE certain space ("Equipment Space") on the ground adjacent to the building (the "Building") located at 2143 Albany Post Road, Montrose, New York 10548, as shown on the Tax Map of the Town of Cortlandt as Block 4, Lot 42 (the Building and such real property are hereinafter sometimes collectively referred to as the "Property"), for the installation, operation and maintenance of communications equipment; together with such additional space on the Building sufficient for the installation, operation and maintenance of antennas (the "Antenna Space"); together with such additional space within the Building and on the roof of the Building for the installation, operation and maintenance of wires, cables, conduits and pipes (the "Cabling Space") running between and among the Equipment Space and Antenna Space and to all necessary electrical and telephone utility sources located within the Building or on the Property; together with the non-exclusive right of ingress and egress from a public right-of-way, seven (7) days a week, twenty four (24) hours a day, over the Property and in and through the Building to and from the Premises (as hereinafter defined) for the purpose of installation, operation and maintenance of LESSEE's communications facility. The Equipment Space (all to be within a fenced-in area and in no event shall LESSEE's communications equipment within such area protrude above the height of the actual fence), Antenna Space and Cabling Space are hereinafter collectively referred to as the "Premises" and are as shown on Exhibit "A" attached hereto and made a part hereof. The Parties acknowledge that no keys will be provided by LESSOR for LESSEE's access to the Premises since LESSEE's equipment will be located on the ground and LESSEE's antennas will be located on the roof of the Building and LESSEE shall have 24 hour, 7 days a week access thereto by foot and by an access ladder to the roof. LESSEE shall use commercially reasonable efforts to give LESSOR at least 24 hours prior telephonic notice of LESSEE's access to the LESSOR at (914) 737-8919 (except for emergencies or when LESSEE's installation is not operational). LESSEE acknowledges that its vehicles are not permitted at any time to be parked in the parking area in front of the Building, and all LESSEE vehicles shall be parked at the side or rear of the Building only. In the event there are not sufficient electric and telephone, cable or fiber utility sources located within the Building or on the Property, LESSOR agrees to grant LESSEE or the local utility provider the right to install such utilities on, over and/or under the Property and through the Building (with prior written approval of LESSOR in LESSOR's reasonable discretion or as shown on the Plans [as defined below]) necessary for LESSEE to operate its communications facility. LESSOR shall cooperate in connection therewith, including, without limitation, executing any documents, permitting and testing and performing any work such utility provider requires in connection with same. LESSOR shall deliver the Premises to LESSEE in a condition ready for LESSEE's construction of its improvements and clean and free of debris. LESSEE shall submit plans and specifications with pre-fabrication drawings and manufacturer specifications (collectively, "Plans") to LESSOR detailing LESSEE's initial installation at the Premises, which Plans shall be prepared, signed and sealed by an engineer licensed in New York State. The Plans shall include, but shall not be limited to, LESSEE's proposed construction staging and work area and shall detail all roof connections and show any lighting and other safety improvements to the extent required by applicable building codes and safety requirements and shall show the routing details for LESSEE's conduits which shall be fireproofed and waterproofed, as necessary by applicable building codes and safety requirements, and also painted to match the existing walls. The Plans shall be subject to LESSOR's advance

approval, which shall not be unreasonably withheld or delayed. LESSOR shall grant approval of the Plans or state any written objections to same within thirty (30) days after receipt of the Plans; provided, however, if LESSOR fails to state any written objections to the Plans within said thirty (30) day period, the Plans shall be deemed approved by LESSOR.

2. TERM; RENTAL.

This Agreement shall be effective as of the date of execution by both Parties (the "Effective Date"), provided, however, the initial term shall be for five (5) years and shall commence on the earlier of (x) the first day of the month following the day that LESSEE obtains a building permit for the installation of the equipment on the Premises; or (y) the first day of the month LESSEE commences construction of its installation at the Premises (the "Commencement Date"); provided, however, in no event shall the Commencement Date be later than six (6) months from the date of this Agreement. Rental payments shall commence on the Commencement Date and for the first year of the initial term will be due at a total annual rental of [redacted] Dollars and the annual rental for the subsequent years shall be equal to [redacted] percent [redacted] of the annual rental payable during the immediately preceding year. All rental due hereunder shall be paid in equal monthly installments on the first day of the month, in advance, to the LESSOR or to such other entity, person, firm or place as LESSOR may, from time to time, designate in writing at least thirty (30) days in advance of any rental payment date by notice given in accordance with Paragraph 15 below. LESSOR and LESSEE acknowledge and agree that initial rental payment may not actually be sent by LESSEE until sixty (60) days after the Commencement Date. Upon agreement of the Parties, LESSEE may pay rent by electronic funds transfer and in such event, LESSOR agrees to provide to LESSEE bank routing information for such purpose upon request of LESSEE.

As additional consideration for this Agreement and LESSOR'S execution of this Agreement on or before July 31, 2018, LESSEE further agrees to pay LESSOR a one-time sum in the amount of [redacted], which sum shall be deemed additional rent, due and payable within sixty (60) days of full execution of this Agreement by the parties and non-refundable so that LESSOR shall retain the fee whether or not LESSEE utilizes the Premises. Further additional consideration due to LESSOR includes any increase in taxes imposed as set forth in Paragraph 24, including but not limited to real estate taxes, which result from LESSEE's activities upon the Premises and shall be payable in accordance with Paragraph 24 herein. All additional consideration shall be deemed as additional rent.

LESSOR hereby agrees to provide to LESSEE certain documentation (the "Rental Documentation") including without limitation: (i) a deed evidencing LESSOR's good and sufficient title to and/or interest in the Property and right to receive rental payments and other benefits hereunder; (ii) a completed Internal Revenue Service Form W-9, or equivalent for any party to whom rental payments are to be made pursuant to this Agreement; and (iii) other documentation reasonably requested by LESSEE as required by law or regulation within thirty (30) days of a written request from LESSEE. Within thirty (30) days of obtaining an interest in the Property or this Agreement, any assignee(s), transferee(s) or other successor(s) in interest of LESSOR shall provide to LESSEE such Rental Documentation. All documentation shall be acceptable to LESSEE in LESSEE's reasonable discretion. Within thirty (30) days of a written request from LESSEE, LESSOR or any assignee(s) or transferee(s) of LESSOR agrees to provide updated Rental Documentation. Delivery of Rental Documentation to LESSEE shall be a prerequisite for the payment of any rent by LESSEE and notwithstanding anything to the contrary herein, LESSEE shall have no obligation to make any rental payments until Rental Documentation has been supplied to LESSEE as provided herein.

3. ELECTRICAL. a. LESSOR shall, at all times during the Term, provide the Premises with utilities (including electric and telephone), and furnish electric service for the operation of LESSEE's installation in the Premises. LESSEE shall furnish and install a direct meter at the Premises for the measurement of its electricity. If the utility company does not agree to provide a separate, direct meter, then written notice shall be promptly provided to LESSOR. Subsequently, the proposed location of such submeter for separate and direct utility service shall be specifically shown on the Plans or as otherwise agreed to in writing by LESSOR, with detailed drawings of the utility service prepared by an engineer licensed in New York State. In the event of such submeter, LESSEE shall cause its meter reading company, Power Design & Supply Group, or any other meter reading company selected by LESSEE, to remotely read the submeter and send LESSEE monthly invoices for LESSEE's electric usage to Verizon Wireless, M/S

3846, P.O. Box 2375, Spokane, WA 99210-2375, e-mailed to livebills@ecova.com or to such other address as LESSEE may change from time to time, in connection with same. The monthly invoices shall be calculated as follows: actual and demand monthly electricity used by LESSEE at the Premises times the then current building rate established by the applicable utility company, or if such rate is no longer utilized, then such other similar rate as may be established by the utility. Within thirty (30) days after LESSEE's receipt of the monthly invoice from the meter reading company, LESSEE shall pay such amount to LESSOR as reimbursement for LESSEE's utility usage and LESSEE shall provide LESSOR with a copy of the meter reading company's invoice.

b. LESSEE shall be permitted at any time during the Term, to install, maintain and/or provide access to and use of, as necessary (during any power interruption at the Premises), a temporary power source, and all related equipment and appurtenances within the Premises, or elsewhere on the Property in such locations as reasonably approved by LESSOR. LESSEE may, during construction and while waiting for the installation of LESSEE's direct meter, temporarily utilize LESSOR's electricity; and LESSEE shall install a temporary demand meter and shall reimburse LESSOR for LESSEE's actual and demand usage within thirty (30) days of LESSEE's receipt of an invoice and supporting documentation from LESSOR. LESSOR shall send such invoice and supporting documentation to: Verizon Wireless, M/S 3846, at P.O. Box 2375, Spokane, WA 99210-2375, e-mailed to livebills@ecova.com or to such other address as LESSEE may change from time to time, in connection with same. The contact telephone number for Ecova is 866-322-4547. LESSEE shall have the right to install conduits connecting the temporary power source and related appurtenances to the Premises, but in no event for longer than six (6) months unless LESSOR agrees otherwise and LESSOR shall charge LESSEE a reasonable fee for such temporary power. During such temporary usage, LESSEE shall utilize LESSOR's generator.

4. EXTENSIONS. This Agreement shall automatically be extended for three (3) additional five (5) year terms (each, an "Extension Term") unless LESSEE terminates it at the end of the then current term by giving LESSOR written notice of the intent to terminate at least three (3) months prior to the end of the then current term. The initial term and all extensions shall be collectively referred to herein as the "Term".

5. EXTENSION RENTALS.

6. USE; GOVERNMENTAL APPROVALS. LESSEE shall use the Premises for the purpose of constructing, maintaining, repairing and operating communications equipment and uses incidental thereto. LESSEE shall have the right to replace, repair, supplement or otherwise modify its utilities, equipment, antennas and/or conduits or any portion thereof and the frequencies over which the equipment operates, whether the equipment, antennas, conduits or frequencies are specified or not on any exhibit attached hereto, during the Term, with LESSOR's consent, which shall not be unreasonably withheld, conditioned or delayed; provided, however, no consent shall be required in connection with (i) any change to frequencies, any like-kind exchanges, or changes which do not require any additional antenna mounts or increase the loading; (ii) any modifications to LESSEE's installation which do not increase the square footage of the actual fence-in area; or (iii) any alterations, improvements, changes, replacements, and substitutions within LESSEE's fenced in equipment area. It is understood and agreed that LESSEE's ability to use the Premises is contingent upon its obtaining after the execution date of this Agreement all of the certificates, permits and other approvals (collectively the "Governmental Approvals") that may be required by any Federal, State or Local authorities as well as a satisfactory building structural analysis prepared by an engineer licensed in New York State which will permit LESSEE use of the Premises as set forth above. LESSOR shall cooperate with LESSEE in its effort to obtain such approvals and shall take no action which would adversely affect the status of the Property with respect to the proposed use thereof by LESSEE. In the event that (i) any of such applications for such Governmental Approvals should be finally rejected; (ii) any Governmental Approval issued to LESSEE is canceled, expires, lapses, or is otherwise withdrawn or terminated by governmental authority; (iii) LESSEE determines that such Governmental Approvals may not be obtained in a timely manner; or (iv) LESSEE determines the Premises is obsolete, unnecessary or otherwise not suitable, LESSEE shall have the right to terminate this Agreement. Notice of LESSEE's exercise of its right to terminate shall be given to LESSOR in accordance with the notice provisions set

forth in Paragraph 15 and shall be effective six (6) months after the mailing of such notice by LESSEE, or upon such later date as designated by LESSEE. All rentals paid to said termination date shall be retained by LESSOR. Upon such termination, this Agreement shall be of no further force or effect except to the extent of the representations, warranties and indemnities made by each Party to the other hereunder. Otherwise, the LESSEE shall have no further obligations for the payment of rent to LESSOR.

7. INDEMNIFICATION. Subject to Paragraph 8, below, each Party shall indemnify and hold the other harmless against any claim of liability or loss from personal injury or property damage resulting from or arising out of the negligence or willful misconduct of the indemnifying Party, its employees, contractors or agents, or any environmental claims or damages resulting from the acts or omissions of the indemnifying Party, its employees, contractors or agents, except to the extent such claims or damages may be due to or caused by the negligence or willful misconduct of the other Party, or its employees, contractors or agents. LESSEE's contractors shall be required to enter into separate indemnification agreements regarding the performance of any work at the Premises by such contractors, holding LESSOR harmless against any claim of liability or loss from personal injury or property damage resulting from or arising out of the negligence or willful misconduct of any such contractor, its employees or agents, except to the extent such claims or damages may be due to or caused by the negligence or willful misconduct of the LESSOR, or its employees, contractors or agents.

8. INSURANCE. LESSOR and LESSEE each agree that at its own cost and expense, each will maintain commercial general liability insurance with limits of [redacted] for bodily injury (including death) and property damage each occurrence. Limits can be obtained by a combination of primary general liability and umbrella/excess liability. LESSEE shall also maintain commercial auto liability insurance on all owned, non-owned and hired automobiles with a combined single limit of [redacted] per accident, and Workers Compensation insurance providing the statutory benefits. LESSEE shall also include the Montrose Fire District and the Ladies Auxiliary of the Cortlandt Engine Co. as additional insureds. A certificate of insurance with all additional insureds will be provided to LESSOR within thirty (30) days of the full execution of this Agreement and upon each renewal of the Term of this Agreement. The policy limits of all insurance coverage required to be maintained shall be subject to review and, upon at least six (6) months' notice, but not more than once during any five (5) year period, LESSOR and LESSEE each agree to increase the insurance limits to commercially reasonable levels for similar installations if the other Party reasonably requests same, upon submission of reasonable supporting documentation to justify such increase.

9. LIMITATION OF LIABILITY. Except for indemnification pursuant to Paragraph 7, neither Party shall be liable to the other, or any of their respective agents, representatives, employees for any lost revenue, lost profits, loss of technology, rights or services, incidental, punitive, indirect, special or consequential damages, loss of data, or interruption or loss of use of service, even if advised of the possibility of such damages, whether under theory of contract, tort (including negligence), strict liability or otherwise.

10. INTENTIONALLY OMITTED.

11. INTERFERENCE. LESSEE agrees to install equipment of the type and frequency which will not cause harmful interference which is measurable in accordance with then existing industry standards to any equipment of LESSOR or other lessees of the Property which existed on the Property prior to the date this Agreement is executed by the Parties, or with the frequencies listed on the letter prepared by C Squared Systems, LLC ("RF Letter") which is attached hereto and made a part hereof, as Schedule 1. In the event any after-installed LESSEE's equipment causes such interference, and after LESSOR has notified LESSEE in writing of such interference, LESSEE will take all commercially reasonable steps necessary to correct and eliminate the interference, including but not limited to, at LESSEE's option, powering down such equipment and later powering up such equipment for intermittent testing. In no event will LESSOR be entitled to terminate this Agreement or relocate the equipment as long as LESSEE is making a good faith effort to remedy the interference issue. LESSOR agrees that LESSOR and/or any other tenants of the Property who currently have or in the future take possession of the Property will be permitted to install only such equipment that is of the type and frequency which will not cause harmful interference which is measurable in accordance with then existing industry standards to the then existing equipment of LESSEE. The Parties acknowledge that there will not be an adequate remedy at law for noncompliance with the

provisions of this Paragraph and therefore, either Party shall have the right to equitable remedies, such as, without limitation, injunctive relief and specific performance. Following LESSEE's completion of construction of its communications facility at the Premises, LESSEE shall furnish a supplement to the RF Letter certifying that there is no change to the findings of the RF Letter and that LESSEE's facility complies with all applicable regulations of the Federal Communications Commission.

12. REMOVAL AT END OF TERM. LESSEE shall, upon expiration of the Term, or within ninety (90) days after any earlier termination of the Agreement, remove its equipment, conduits, fixtures and all personal property and restore the Premises to its original condition, reasonable wear and tear and casualty damage (to the extent that such casualty damage is not caused by LESSEE) excepted. LESSOR agrees and acknowledges that all of the equipment, conduits, fixtures and personal property of LESSEE shall remain the personal property of LESSEE and LESSEE shall have the right to remove the same at any time during the Term, whether or not said items are considered fixtures and attachments to real property under applicable laws. If such time for removal causes LESSEE to remain on the Premises after termination of this Agreement, LESSEE shall pay rent at the then existing monthly rate or on the existing monthly pro-rata basis if based upon a longer payment term, until such time as the removal of the building, antenna structure, fixtures and all personal property are completed. Following LESSEE's completion of the construction of its communications facility at the Premises, LESSEE shall furnish a removal bond in the amount of [redacted] to ensure the removal of LESSEE's antennas and related improvements in accordance with the provisions herein. Said bond shall be maintained by the LESSEE throughout the term of this Agreement and all subsequent renewal periods and proof of valid bond to be provided to LESSOR annually. Further, LESSEE shall repave the existing driveway to the extent the driveway was disturbed in connection with LESSEE's construction activities.

13. QUIET ENJOYMENT AND REPRESENTATIONS. LESSOR covenants that LESSEE, on paying the rent and performing the covenants herein, shall peaceably and quietly have, hold and enjoy the Premises. LESSOR represents and warrants to LESSEE as of the execution date of this Agreement, and covenants during the Term that LESSOR is seized of good and sufficient title and interest to the Property and has full authority to enter into and execute this Agreement. LESSOR further covenants during the Term that there are no liens, judgments or impediments of title on the Property, or affecting LESSOR's title to the same and that there are no covenants, easements or restrictions which prevent or adversely affect the use or occupancy of the Premises by LESSEE as set forth above. LESSOR and its agents shall have the right to enter the Equipment Space for the purpose of inspecting same with thirty (30) days prior written notification to LESSEE, or if any emergency arises which necessitates access to the Equipment Space without prior notice (but LESSOR shall provide LESSEE notice of such emergency access immediately thereafter by telephone to LESSEE'S Network Operations Center at (800) 224-6620/(800) 621-2622); provided, however, neither LESSOR nor its agents shall open any equipment cabinets without LESSEE being present.

14. ASSIGNMENT. This Agreement may be sold, assigned or transferred by the LESSEE without any approval or consent of the LESSOR to the LESSEE's principal, affiliates, subsidiaries of its principal or to any entity which acquires all or substantially all of LESSEE's assets in the market defined by the Federal Communications Commission in which the Property is located by reason of a merger, acquisition or other business reorganization. As to other parties, this Agreement may not be sold, assigned or transferred without the written consent of the LESSOR which such consent will not be unreasonably withheld, delayed or conditioned. Any assignment of this Agreement shall not relieve LESSEE of its obligations under this Agreement in accordance with the provisions of New York State laws. No change of stock ownership, partnership interest or control of LESSEE or transfer upon partnership or corporate dissolution of LESSEE shall constitute an assignment hereunder. LESSEE may not sublet the Premises to any third party without LESSOR'S prior written consent, which may be withheld in LESSOR'S sole discretion.

15. NOTICES. All notices hereunder must be in writing and shall be deemed validly given if sent by certified mail, return receipt requested or by commercial courier, provided the courier's regular business is delivery service and provided further that it guarantees delivery to the addressee by the end of the next business day following the courier's receipt from the sender, addressed as follows (or any other address that the Party to be notified may have designated to the sender by like notice):

LESSOR: BOARD OF GOVERNORS,
CORTLANDT ENGINE COMPANY, INCORPORATED
a/k/a Cortlandt Engine Co. Inc.
c/o Secretary
2143 Albany Post Road
Montrose, New York 10548

LESSEE: New York SMSA Limited Partnership
d/b/a Verizon Wireless
180 Washington Valley Road
Bedminster, New Jersey 07921
Attention: Network Real Estate

Notice shall be effective upon actual receipt or refusal as shown on the receipt obtained pursuant to the foregoing.

16. RECORDING. The Parties agree that this Agreement shall not be recorded.

17. DEFAULT. In the event there is a breach by a Party with respect to any of the provisions of this Agreement or its obligations under it, the non-breaching Party shall give the breaching Party written notice of such breach. After receipt of such written notice, the breaching Party shall have thirty (30) days in which to cure any breach, provided the breaching Party shall have such extended period as may be required beyond the thirty (30) days if the breaching Party commences the cure within the thirty (30) day period and thereafter continuously and diligently pursues the cure to completion. With respect to a monetary breach of this Agreement, after receipt of such written notice, LESSEE shall have fifteen (15) days in which to cure any such monetary breach. The non-breaching Party may not maintain any action or effect any remedies for default against the breaching Party unless and until the breaching Party has failed to cure the breach within the time periods provided in this Paragraph.

18. REMEDIES. In the event of a default by either Party with respect to a material provision of this Agreement, without limiting the non-defaulting Party in the exercise of any right or remedy which the non-defaulting Party may have by reason of such default, the non-defaulting Party may pursue any remedy now or hereafter available to the non-defaulting Party under law or equity. Further, upon a default, the non-defaulting Party may at its option (but without obligation to do so), perform the defaulting Party's duty or obligation on the defaulting Party's behalf, including but not limited to the obtaining of reasonably required insurance policies. The costs and expenses of any such performance by the non-defaulting Party shall be due and payable by the defaulting Party upon invoice therefore. If LESSEE undertakes any such performance on LESSOR's behalf, LESSEE may offset the amount due against all fees due and owing to LESSOR under this Agreement.

19. CASUALTY. In the event of damage by fire or other casualty to the Building or Premises that cannot reasonably be expected to be repaired within forty-five (45) days following same or, if the Property is damaged by fire or other casualty so that such damage may reasonably be expected to disrupt LESSEE's operations at the Premises for more than forty-five (45) days, then LESSEE may, at any time following such fire or other casualty, provided LESSOR has not completed the restoration required to permit LESSEE to resume its operation at the Premises, terminate this Agreement upon fifteen (15) days prior written notice to LESSOR. Any such notice of termination shall cause this Agreement to expire with the same force and effect as though the date set forth in such notice were the date originally set as the expiration date of this Agreement and the Parties shall make an appropriate adjustment, as of such termination date, with respect to payments due to the other under this Agreement.

20. NO EXISTING MORTGAGE. LESSOR represents that there is no mortgage currently encumbering the Property.

21. APPLICABLE LAWS. During the Term, LESSOR shall maintain the Property, the Building, Building systems, common areas of the Building, and all structural elements of the Premises in compliance with all applicable laws, rules, regulations, ordinances, directives, covenants, easements, environmental, zoning and land use laws and regulations, and restrictions of record, permits, building codes,

and the requirements of any applicable fire insurance underwriter or rating bureau, now in effect or which may hereafter come into effect (including, without limitation, the Americans with Disabilities Act) (collectively "Laws"). LESSEE shall, in respect to the condition of the Premises and at LESSEE's sole cost and expense, comply with (a) all Laws relating solely to LESSEE's specific and unique nature of use of the Premises, including the applicable codes and regulations of the Federal Communications Commission and the Town of Cortlandt; and (b) all applicable building and life safety codes of the Town of Cortlandt and the State of New York requiring modifications to the Premises due to the improvements being made by LESSEE in the Premises. It shall be LESSOR's obligation to comply with all Laws relating to the Building in general, without regard to specific use, but excluding LESSEE's equipment space, LESSEE's installation and maintenance of equipment and related items. All modifications to any existing structure required, and made, by LESSEE to facilitate permitting and construction of LESSEE's installation shall be at the sole cost and expense of LESSEE.

22. MISCELLANEOUS. This Agreement contains all agreements, promises and understandings between the LESSOR and the LESSEE regarding this transaction, and no oral agreement, promises or understandings shall be binding upon either the LESSOR or the LESSEE in any dispute, controversy or proceeding. This Agreement may not be amended or varied except in a writing signed by all parties. This Agreement shall extend to and bind the heirs, personal representatives, successors and assigns of the parties hereto. The failure of either party to insist upon strict performance of any of the terms or conditions of this Agreement or to exercise any of its rights hereunder shall not waive such rights and such party shall have the right to enforce such rights at any time. This Agreement and the performance thereof shall be governed interpreted, construed and regulated by the laws of the state in which the Premises is located without reference to its choice of law rules.

23. ROOF MAINTENANCE. The Parties acknowledge that LESSEE's installation has been designed in a manner so as to permit LESSOR to access the roof of the Building to perform maintenance, repair or similar work at the Building. However, in the event of such maintenance, repair or similar work by the LESSOR, the Parties shall cooperate with each other so that LESSEE shall (upon demand) temporarily relocate to another area on the roof and/or lift, as necessary, at LESSEE's sole cost and expense, cable trays, antennae components, weatherproofing and flashing to permit LESSOR's re-roofing work. LESSOR shall use its best efforts to minimize any disruption to LESSEE's facility. In the event that LESSEE causes damage to the roof of the Building during the Term of this Agreement. LESSOR shall promptly notify LESSEE and LESSEE shall proceed to repair any damage that LESSEE has caused.

24. TAXES. In addition to annual rent, LESSEE shall pay any increase in real estate taxes imposed upon the LESSOR which are directly attributable to LESSEE's installation in the Premises. It is expressly understood by the parties hereto that LESSEE shall in no case be responsible for any increase in real estate taxes with respect to any portion of the Property, other than the Premises, and LESSEE shall in no event be responsible for any effect LESSEE's installation at the Premises may have on any exemption for the Property, or any penalties or taxes in connection therewith. Within ninety (90) days of receipt of an invoice, LESSOR shall submit to LESSEE LESSOR's calculation of the additional real estate taxes, which shall only be based upon the value of LESSEE's installation, together with supporting documentation (including, without limitation, an invoice from the municipality indicating the tax increase due to LESSEE's installation at the Premises) and proof of payment of said taxes. In the event LESSOR shall not submit any documentation within said ninety (90) days, LESSOR shall not be entitled to any reimbursement. LESSEE, within ninety (90) days following receipt and verification of such calculation, shall reimburse LESSOR for such tax payment.

LESSEE shall have the right, at its sole option and at its sole cost and expense, to appeal, challenge or seek modification of any tax assessment or billing for which LESSEE is wholly or partly responsible for payment. LESSOR shall reasonably cooperate with LESSEE at LESSEE's expense in filing, prosecuting and perfecting any appeal or challenge to taxes as set forth in the preceding sentence, including but not limited to, executing any consent, appeal or other similar document. In the event that as a result of any appeal or challenge by LESSEE, there is a reduction, credit or repayment received by the LESSOR for any taxes previously paid by LESSEE, LESSOR agrees to promptly reimburse to LESSEE the amount of said reduction, credit or repayment. In the event that LESSEE does not have the standing rights to pursue a good faith and reasonable dispute of any taxes under this paragraph, LESSOR will pursue such dispute at LESSEE's sole cost and expense upon written request of LESSEE.

25. PREMISES MAINTENANCE. LESSEE, at LESSEE's sole cost and expense, shall maintain the Premises (including but not limited to, LESSEE's fencing, paint, stucco exterior and weatherproofing in the area of LESSEE's installation) throughout the Term of this Agreement in as good condition and repair as of the Commencement of this Agreement. It is further agreed and understood that in the event the LESSEE, after thirty (30) days written notice from LESSOR of the need for maintenance and/or correction of any deficiencies, fails to promptly commence to perform such maintenance and/ or correct such deficiencies to the reasonable satisfaction of LESSOR, LESSOR has the right, upon 15 days' notice, to complete the necessary repairs and maintenance and charge LESSEE for the actual and reasonable costs thereof. LESSEE shall promptly reimburse LESSOR for LESSOR's actual and reasonable costs thereof within thirty (30) days after receipt of an invoice and supporting documentation.

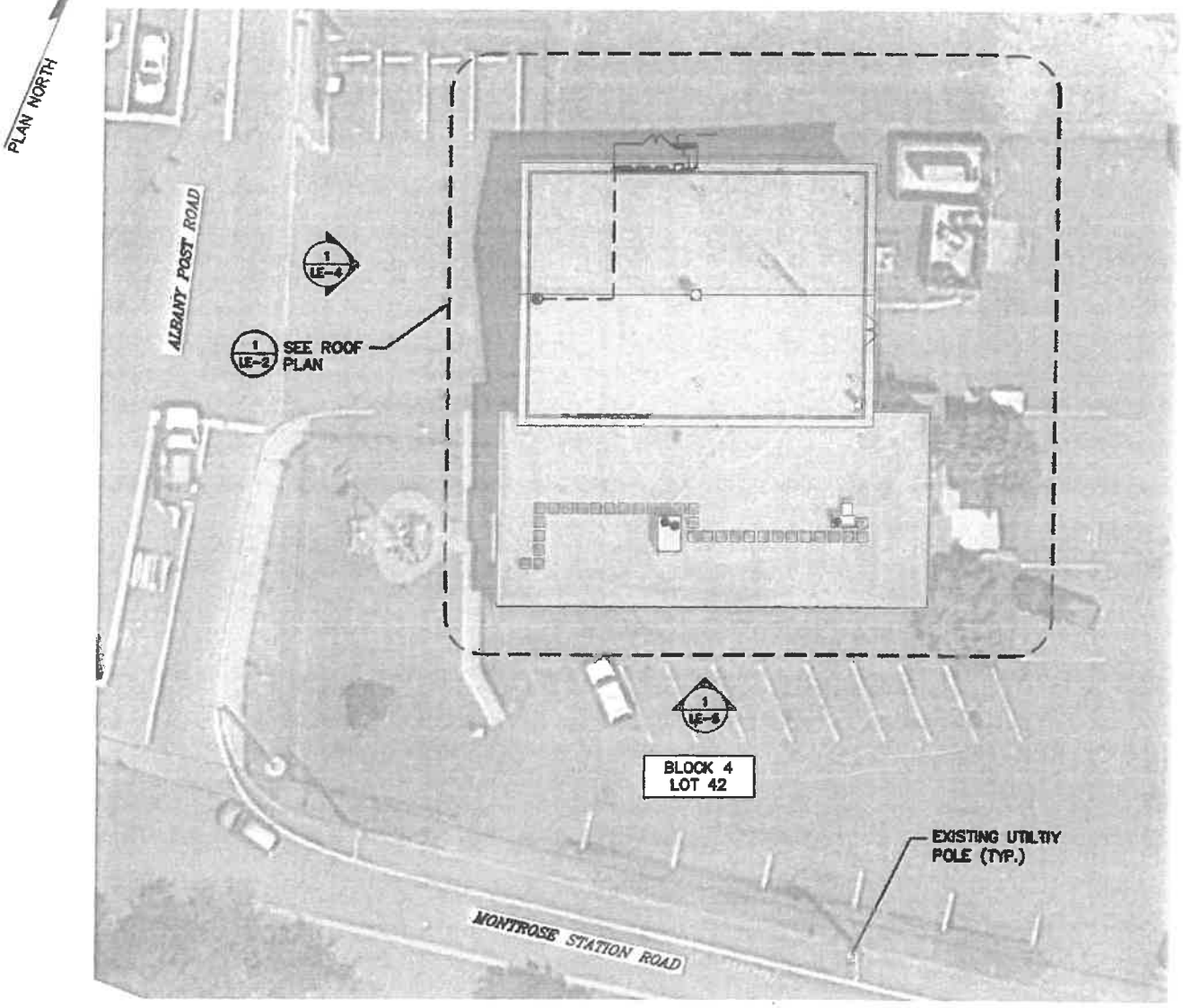
IN WITNESS WHEREOF, the Parties hereto have set their hands and affixed their respective seals the day and year first above written.

LESSOR:
CORTLANDT ENGINE COMPANY, INCORPORATED, a/k/a CORTLANDT ENGINE CO., INC.

By: _____
Authorized Signatory
Name: Donald F. Tigo
Its: President
Date: July 11, 2018

LESSEE:
NEW YORK SMSA LIMITED PARTNERSHIP
d/b/a VERIZON WIRELESS
By: Cellco Partnership, its General Partner

By: _____
Name: Gian Pagamia
Its: Director Network Field Engineering
Date: 6/28/18



1 LE-1 SITE MAP
NOT TO SCALE

GENERAL NOTES:

1. THIS DRAWING IS BASED ON FIELD MEASUREMENTS TAKEN BY FPA, AERIAL TOPOGRAPHY, AND DIGITAL TAX MAPS FOUND ON ONLINE DATABASES SUCH AS NYC.GOV.
2. NO SITE SURVEY OR COMPLETE SITE PLAN WAS AVAILABLE.
3. THIS DRAWING IS A CONCEPTUAL REPRESENTATION OF THE LEASE AGREEMENT ONLY. THIS REPRESENTATION HAS BEEN PREPARED TO PROMOTE DISCUSSIONS BETWEEN THE LESSOR AND THE LESSEE. ALL ANTENNA AND EQUIPMENT LOCATIONS ARE APPROXIMATE.
4. FINAL CONSTRUCTION DRAWINGS MAY DIFFER IN ORDER TO ADHERE TO ALL APPLICABLE BUILDING CODES AND/OR ZONING APPROVALS. FINAL CONSTRUCTION DRAWINGS WILL SUPERCEDE THIS CONCEPTUAL REPRESENTATION.
5. THE ROOF STRUCTURE MUST BE PROBED AND STRUCTURALLY INSPECTED TO VERIFY THE PROPOSED INSTALLATION PRIOR TO THE PREPARATION OF CONSTRUCTION DRAWINGS.
6. THE FINAL LOCATION OF PROPOSED UTILITIES MAY CHANGE BASED ON A REVIEW AND APPROVAL BY THE RESPECTIVE UTILITY PROVIDER.
7. ALL ANTENNAS, RRH UNITS, CABLE TRAYS, CONDUITS, AND ALL RELATED EQUIPMENT AND CONNECTIONS SHALL BE DETERMINED BY THE LESSEE AS SHOWN ON CONSTRUCTION DRAWINGS. IN ADDITION RRH UNITS, JUNCTION BOXES, AND OTHER RADIO AND ANTENNA RELATED EQUIPMENT SHALL BE ADDED IN THE FUTURE AS DETERMINED BY THE LESSEE.
8. DO NOT SCALE THIS DRAWING, UNLESS OTHERWISE NOTED.

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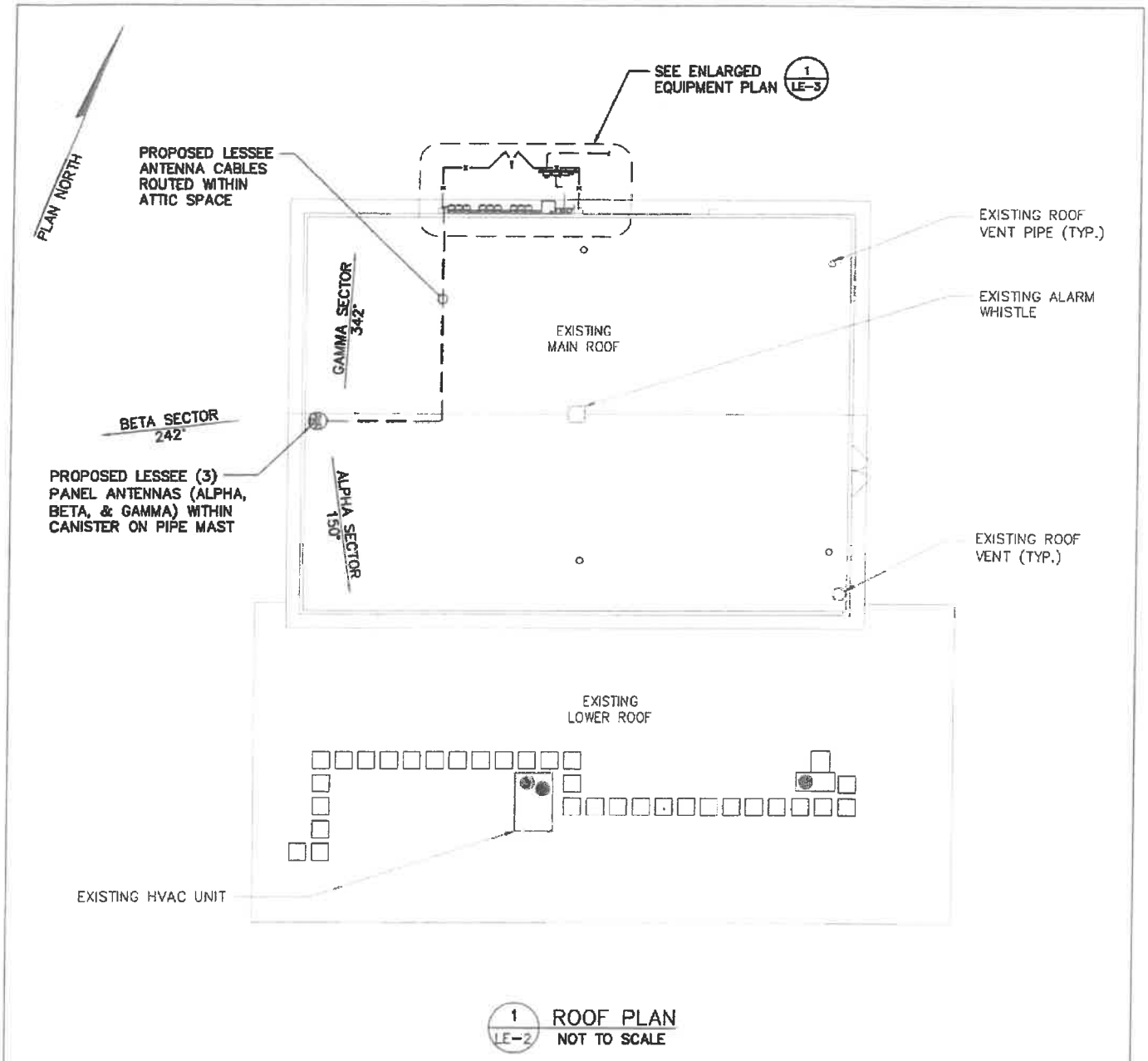
FRENCH & PARRELLO ASSOCIATES
1900 Route 34, Suite 101 • Wall, New Jersey 07719
o: 732.912.9600 f: 732.912.9601

PROJECT:

LESSEE
ALBANY POST ROAD_SC
BLOCK 4, LOT 42
2143 ALBANY POST ROAD
MONTROSE, NEW YORK 10548

DRAWN BY:	CHECKED BY:	SCALE:	DATE:	JOB NO.:	DRAWING NO.:
R.P.J.	P.J.T.	AS SHOWN	02/20/18	9287.020	LE-1



1 LE-2 ROOF PLAN
NOT TO SCALE

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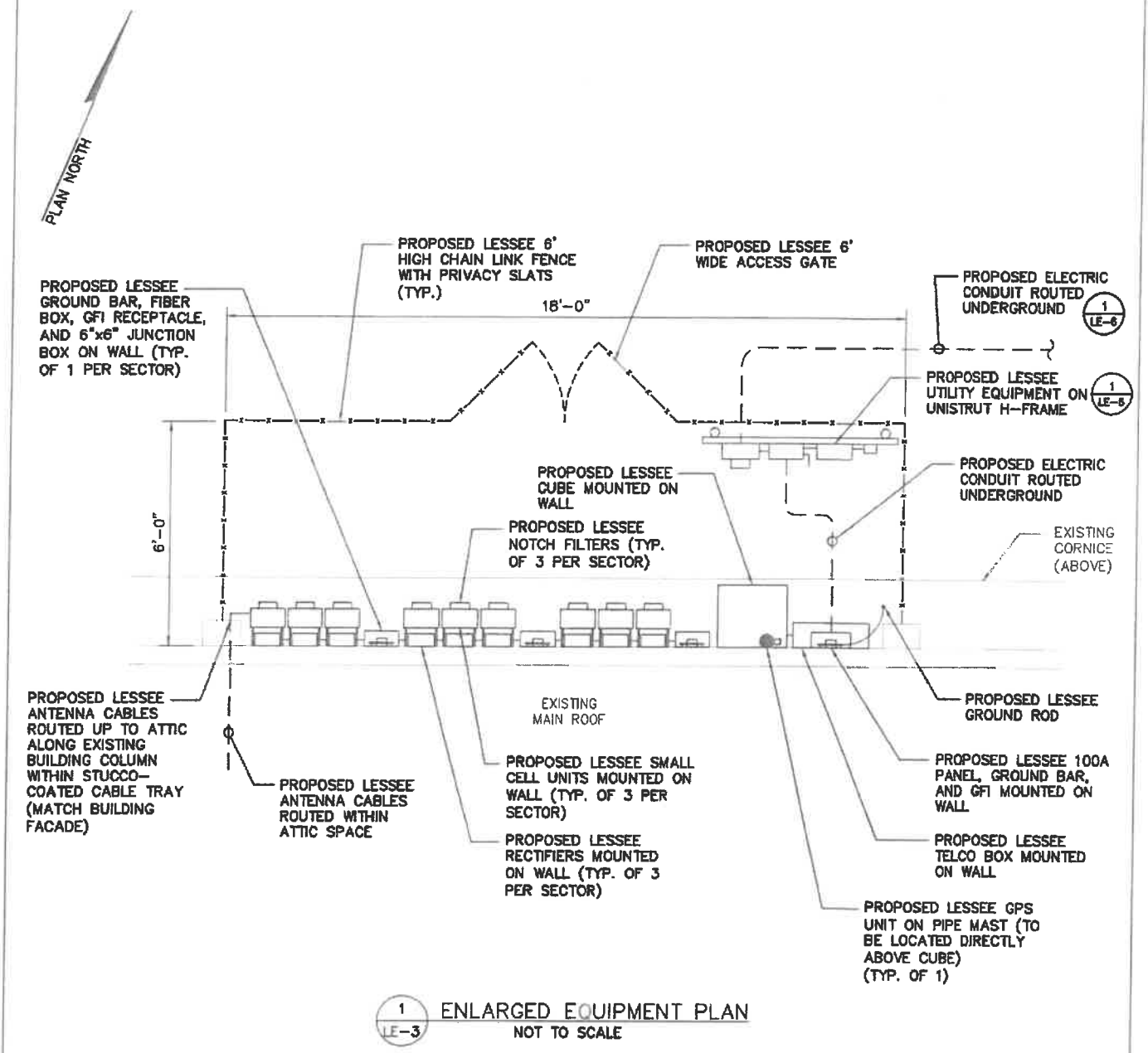
R.P.J.	P.J.T.	AS SHOWN	02/20/18	9287.020	LE-2



1 LE-3 ENLARGED EQUIPMENT PLAN
NOT TO SCALE

GENERAL NOTES:

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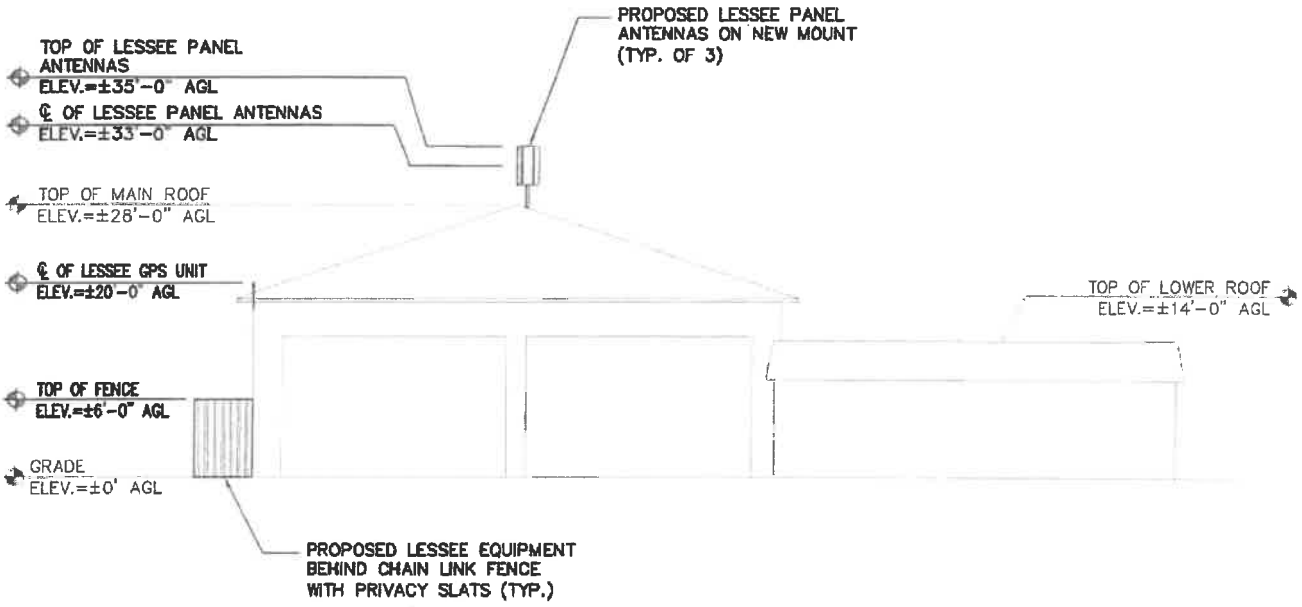
R.P.J.	P.J.T	AS SHOWN	02/20/18	9287.020	LE-3



1 / LE-4 BUILDING ELEVATION
NOT TO SCALE

GENERAL NOTES:
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p: 732.312.8800 f: 732.312.8801

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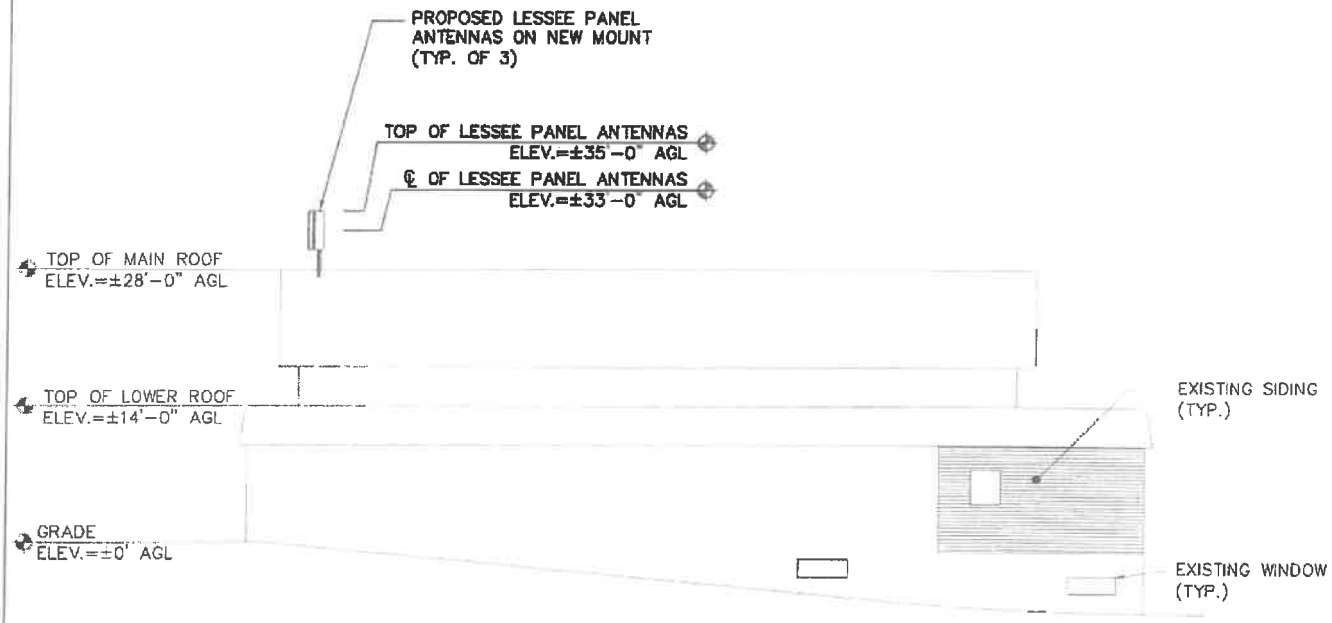
DRAWN BY:	CHECKED BY:	SCALE:	DATE:	JOB NO.:	DRAWING NO.:
R.P.J.	P.J.T.	AS SHOWN	02/20/18	9287.020	LE-4



1 LE-5 BUILDING ELEVATION
NOT TO SCALE

GENERAL NOTES:

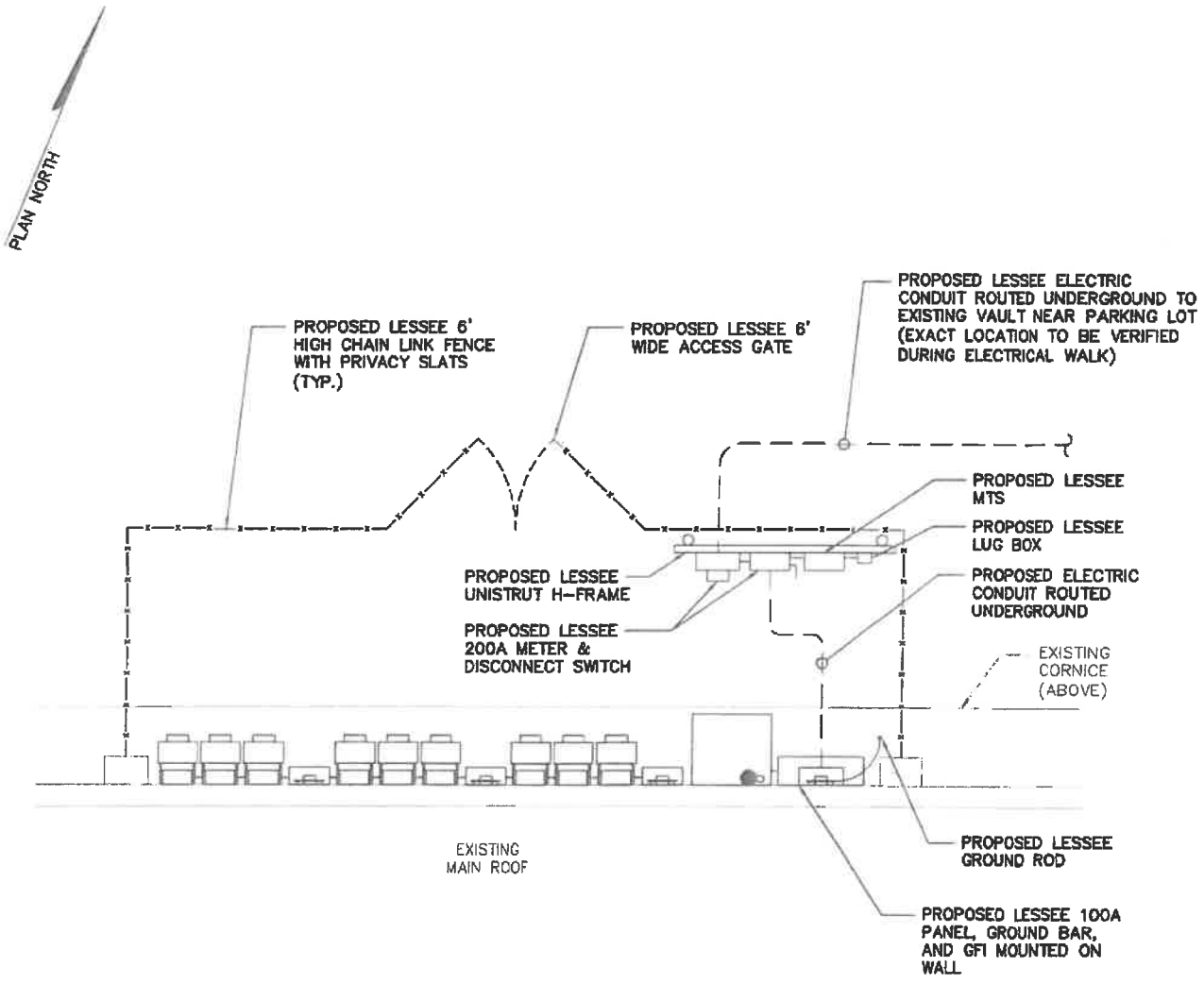
1. THIS DRAWING IS BASED ON FIELD MEASUREMENTS TAKEN BY FPA, AERIAL TOPOGRAPHY, AND DIGITAL TAX MAPS FOUND ON ONLINE DATABASES SUCH AS NYC.GOV.
2. NO SITE SURVEY OR COMPLETE SITE PLAN WAS AVAILABLE.
3. THIS DRAWING IS A CONCEPTUAL REPRESENTATION OF THE LEASE AGREEMENT ONLY. THIS REPRESENTATION HAS BEEN PREPARED TO PROMOTE DISCUSSIONS BETWEEN THE LESSOR AND THE LESSEE. ALL ANTENNA AND EQUIPMENT LOCATIONS ARE APPROXIMATE.
4. FINAL CONSTRUCTION DRAWINGS MAY DIFFER IN ORDER TO ADHERE TO ALL APPLICABLE BUILDING CODES AND/OR ZONING APPROVALS. FINAL CONSTRUCTION DRAWINGS WILL SUPERCEDE THIS CONCEPTUAL REPRESENTATION.
5. THE ROOF STRUCTURE MUST BE PROBED AND STRUCTURALLY INSPECTED TO VERIFY THE PROPOSED INSTALLATION PRIOR TO THE PREPARATION OF CONSTRUCTION DRAWINGS.
6. THE FINAL LOCATION OF PROPOSED UTILITIES MAY CHANGE BASED ON A REVIEW AND APPROVAL BY THE RESPECTIVE UTILITY PROVIDER.
7. ALL ANTENNAS, RRH UNITS, CABLE TRAYS, CONDUITS, AND ALL RELATED EQUIPMENT AND CONNECTIONS SHALL BE DETERMINED BY THE LESSEE AS SHOWN ON CONSTRUCTION DRAWINGS. IN ADDITION RRH UNITS, JUNCTION BOXES, AND OTHER RADIO AND ANTENNA RELATED EQUIPMENT SHALL BE ADDED IN THE FUTURE AS DETERMINED BY THE LESSEE.
8. DO NOT SCALE THIS DRAWING, UNLESS OTHERWISE NOTED.

FPA FRENCH & PARRELLO ASSOCIATES
1920 Route 34, Suite 101 • Wall, New Jersey 07719
o: 732.312.8600 f: 732.312.8601

PROJECT:

LESSEE
ALBANY POST ROAD_SC
BLOCK 4, LOT 42
2143 ALBANY POST ROAD
MONTROSE, NEW YORK 10548

DRAWN BY:	CHECKED BY:	SCALE:	DATE:	JOB NO.:	DRAWING NO.:
R.P.J.	P.J.T.	AS SHOWN	02/20/18	9287.020	LE-5



1 / LE-6 ELECTRICAL PLAN
NOT TO SCALE

GENERAL NOTES:

1. THIS DRAWING IS BASED ON FIELD MEASUREMENTS TAKEN BY FPA, AERIAL TOPOGRAPHY, AND DIGITAL TAX MAPS FOUND ON ONLINE DATABASES SUCH AS NYC.GOV.
2. NO SITE SURVEY OR COMPLETE SITE PLAN WAS AVAILABLE.
3. THIS DRAWING IS A CONCEPTUAL REPRESENTATION OF THE LEASE AGREEMENT ONLY. THIS REPRESENTATION HAS BEEN PREPARED TO PROMOTE DISCUSSIONS BETWEEN THE LESSOR AND THE LESSEE. ALL ANTENNA AND EQUIPMENT LOCATIONS ARE APPROXIMATE.
4. FINAL CONSTRUCTION DRAWINGS MAY DIFFER IN ORDER TO ADHERE TO ALL APPLICABLE BUILDING CODES AND/OR ZONING APPROVALS. FINAL CONSTRUCTION DRAWINGS WILL SUPERCEDE THIS CONCEPTUAL REPRESENTATION.
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8. DO NOT SCALE THIS DRAWING, UNLESS OTHERWISE NOTED.

FPA
FRENCH & PARRELLO ASSOCIATES
1830 Route 34, Suite 101 • Wall, New Jersey 07719
o: 732.312.9800 f: 732.312.9801

PROJECT:
LESSEE
ALBANY POST ROAD_SC
BLOCK 4, LOT 42
2143 ALBANY POST ROAD
MONTROSE, NEW YORK 10548

DRAWN BY:	CHECKED BY:	SCALE:	DATE:	JOB NO.:	DRAWING NO.:
R.P.J.	P.J.T.	AS SHOWN	02/20/18	9287.020	LE-6

SCHEDULE 1

RF LETTER REFERENCED IN PARAGRAPH 11

Hurricane Hill Development Company PLLC

1042 Hurricane Hill Road | Mason, NH 03048
Phone: (603) 878-1726 | Fax: (440) 325-5836
www.h2dc.com

6 March 2018

RE: CALCULATED INTERMOD ANALYSIS REPORT

Site:	Albany Post Road
Address:	2143 Albany Post Road Montrose, NY 01548

To Whom It May Concern:

I certify to the best of my knowledge that the statements in the subject report are true and accurate.

Respectfully Submitted,

Michael McGuire PE, PMP
H2DC, PLLC
Electrical Engineering

C Squared Systems, LLC
65 Dartmouth Drive
Auburn, NH 03032
Phone: (603) 644-2800
support@csquaredsystems.com

Intermodulation Analysis Report

verizon

Albany Post Road SC NY
2143 Albany Post Road, Montrose, NY 10548

February 21, 2018

Table of Contents

List of Tables

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1. Overview

Two intermodulation analyses were performed for the wireless telecommunications facility located at 2143 Albany Post Road in Montrose, NY, to determine potential interfering frequencies as a result of the proposed installation of Verizon Wireless antennas. Verizon is proposing to install three antennas (one per sector) inside a radio-frequency (RF) transparent canister, to be installed on the rooftop of the Montrose Fire Department's Cortlandt Engine Company firehouse.

FCC licensed spectrum is a highly valued commodity, with numerous rules and regulations in place by federal, state, and local authorities intended to protect all operators from interference from other licensed and unlicensed operators. These regulations include, but are not limited to, requirements to operate at the specific frequency assigned to the operator by the FCC, limits on any out of band emissions, and certification of transmitter equipment by the FCC. This certification requirement involves verification that the transmitters meet all technical requirements governing the particular service in operation. All proposed equipment is "certificated" (formerly referred to as "type accepted") by the FCC, continuously monitored remotely, and includes high quality components and filters to ensure continued compliance with these rules and regulations. Furthermore, the specific part of Title 47 of the C.F.R. (Code of Federal Regulations) governing each operator's service explicitly states that licensees failing to operate within these rules must resolve any interference between licensees through technical means.

Site sharing, or collocation, is common across the country, and encouraged by the Telecommunications Act of 1996. Collocation is made possible by the rules and regulations discussed above in conjunction with sound engineering design principles, which allow multiple systems to co-exist when in close proximity to each other. These design principles include appropriate spacing of antennas from others, antenna azimuth choices with respect to nearby antennas, and antenna model characteristics.

In rare cases, when multiple frequencies are transmitting at a site, there is a remote possibility that intermodulation (IM) products can be generated that may impact certain operators. Intermodulation products are extraneous signals generated when multiple transmitting frequencies are mixed and re-radiated in a nonlinear device, such as certain types of electronic amplifiers used in transmitters and receivers. These signals can then be seen as interference if they fall within the frequency range of a carrier's receiving band and may cause the signal quality to diminish. If equipment is properly installed and the site is properly maintained, IM should not be a problem in practice. It is also possible that another type of IM, known as passive intermodulation (PIM), may occur. PIM can result when transmit frequencies energize passive metallic objects such as antennas, cables, or tower sections, that may exhibit non-linear characteristics. These metallic objects may also be other items not necessarily part of the RF installations. Improper installation, contamination or corrosion can cause these objects to lose solid electrical contact with other metallic objects, resulting in non-linear behavior and the potential for PIM products to result. If equipment is properly installed and the site is properly maintained, PIM should not be a problem in practice.

In order to properly compute theoretical IM products, both transmit and receive bandwidths must be considered, as well as their associated center frequencies. As an example, a third order IM product (IM3) that results from two or more 30 kHz wide transmitters will have a bandwidth of 90 kHz. The calculations used in this analysis account for this effect and compare the resultant IM center frequency and bandwidth against all receive frequencies and their respective bandwidths to determine if overlap will occur[1]. For the purpose of this analysis, an overlap of greater than 10 percent is considered to be a theoretical product of interest.

A study of 3rd order intermodulation products using the respective frequencies and bandwidths shown in Tables 1 and 2 was completed to determine harmonic frequencies that could theoretically interfere with the existing Montrose Fire District antennas. Table 1 lists the transmit frequencies of all operators included in the analysis whereas Table 2 lists the receive frequencies of all operators included in the analysis. The frequencies shown in Tables 1 and 2 were obtained through the FCC licensing database, publicly available resources, typical channel configurations, and/or directly from an operator.

While there may be several potential IM products or harmonics found when theoretical calculations are conducted, this does not imply every potential IM product will cause interference. If IM products are generated, the FCC rules and regulations discussed above, along with the use of directional antennas, filtering, sufficient antenna isolation, and proper maintenance of equipment will significantly decrease the probability of IM products becoming a problem.

[1] All calculations were completed using Intermodder, an IM software tool internally developed by C Squared Systems, LLC.

2. Data Used in Analysis

Transmit and receive frequencies used in this analysis are based on publicly accessible FCC records, publicly available resources, typical channel configurations, and/or information obtained directly from a particular operator.

Operator	Frequency (MHz)	Bandwidth (MHz)
Montrose Fire District	45.88000	0.02
	46.04000	0.02
	46.14000	0.02
	46.26000	0.02
	46.38000	0.02
	453.41250	0.0112
	460.02500	0.0112
	460.25000	0.0112
	460.27500	0.0112
	769.14375	0.00625
	769.24375	0.00625
	769.39375	0.00625
	769.49375	0.00625
	769.64375	0.00625
	769.74375	0.00625
	769.89375	0.00625
	769.99375	0.00625
	770.14375	0.00625
	770.24375	0.00625
	770.39375	0.00625
	770.49375	0.00625
	770.64375	0.00625
	770.74375	0.00625
	770.89375	0.00625
	770.99375	0.00625
	773.00625	0.00625
	773.10625	0.00625
	773.25625	0.00625
	773.35625	0.00625
	773.50625	0.00625
	773.60625	0.00625
	773.75625	0.00625
	773.85625	0.00625
	774.00625	0.00625
	774.10625	0.00625
	774.25625	0.00625
	774.35625	0.00625
	774.50625	0.00625
	774.60625	0.00625
	774.75625	0.00625
	774.85625	0.00625
	799.14375	0.00625
	799.24375	0.00625
	799.39375	0.00625
	799.49375	0.00625
	799.64375	0.00625
	799.74375	0.00625
	799.89375	0.00625
	799.99375	0.00625

Operator	Frequency (MHz)	Bandwidth (MHz)
Montrose Fire District	800.14375	0.00625
	800.24375	0.00625
	800.39375	0.00625
	800.49375	0.00625
	800.64375	0.00625
	800.74375	0.00625
	800.89375	0.00625
	800.99375	0.00625
	803.00625	0.00625
	803.10625	0.00625
	803.25625	0.00625
	803.35625	0.00625
	803.50625	0.00625
	803.60625	0.00625
	803.75625	0.00625
	803.85625	0.00625
	804.00625	0.00625
	804.10625	0.00625
	804.25625	0.00625
	804.35625	0.00625
	804.50625	0.00625
	804.60625	0.00625
	804.75625	0.00625
	804.85625	0.00625
	806.01250	0.02
	806.51250	0.02
	807.01250	0.02
	807.51250	0.02
	808.01250	0.02
	851.01250	0.02
	851.51250	0.02
	852.01250	0.02
	852.51250	0.02
	853.01250	0.02
Verizon	751.00000	10.0
	1980.00000	20.0
	2120.00000	20.0

Table 1: Transmit Frequencies of All Operators

Operator	Frequency (MHz)	Bandwidth (MHz)
Montrose Fire District	45.88000	0.02
	46.04000	0.02
	46.14000	0.02
	46.26000	0.02
	46.30000	0.02
	46.38000	0.02
	46.42000	0.02
	453.0250	0.0112
	453.4125	0.0112
	458.4125	0.0112
	460.0250	0.0112
	460.2500	0.0112
	460.2750	0.0112
	460.3250	0.0112
	465.0250	0.0112
	465.2500	0.0112
	465.2750	0.0112
	769.14375	0.00625
	769.24375	0.00625
	769.39375	0.00625
	769.49375	0.00625
	769.64375	0.00625
	769.74375	0.00625
	769.89375	0.00625
	769.99375	0.00625
	770.14375	0.00625
	770.24375	0.00625
	770.39375	0.00625
	770.49375	0.00625
	770.64375	0.00625
	770.74375	0.00625
	770.89375	0.00625
	770.99375	0.00625
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	773.10625	0.00625
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	773.50625	0.00625
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	773.75625	0.00625
	773.85625	0.00625
	774.00625	0.00625
	774.10625	0.00625
	774.25625	0.00625
	774.35625	0.00625
	774.50625	0.00625
	774.60625	0.00625
	774.75625	0.00625
	774.85625	0.00625
	851.01250	0.02
	851.51250	0.02
	852.01250	0.02
	852.51250	0.02
	853.01250	0.02
Verizon	781.00000	10.0
	1900.00000	20.0
	1720.00000	20.0

Table 2: Receive Frequencies of All Operators

3. Results

A preliminary 3rd order intermodulation analysis was conducted to determine existing potential "hits" (3rd order IM products) for transmitters currently in use at this location. The analysis showed that there are currently 19,239 potential hits for 3rd order intermod interference on frequencies currently in use.

A second 3rd order intermod analysis was performed using the frequencies proposed by Verizon and the existing frequencies in use at this location. The analysis showed that there are 10,502 new potential 3rd order intermod hits based on the introduction of Verizon's frequencies.

Table 3 below lists the number of calculated potential hits by operator[2]:

Operator	Number of Hits Pre VZW Installation	Number of Hits Post VZW Installation	Net Change
Montrose FD	19,239	28,221	8,982
Verizon	0	1,520	1,520
Total:	**19,239**	**29,741**	**10,502**

Table 3: Calculated 3rd Order IM "Hits" [3]

It is important to note that these theoretical products do not consider; the isolation between frequencies, the physical separation of the antennas, antenna characteristics, or transmit filtering. The isolation resulting from the directivity of the antennas in use by each operator, and the vertical and horizontal separation between each operator's antennas, makes it extremely unlikely that interference will occur.

The analyses also assume that all carriers are operating at full capacity, with all channels active and that resultant theoretical intermodulation products overlap the receive channels by more than ten percent of the receiver bandwidth of the affected channel. While there may be several products or harmonics found when a theoretical analysis is conducted, this does not imply that every product will cause interference. A site with collocators, such as those listed above, will typically have theoretical intermodulation products that are not a problem in practice.

Furthermore, in order to achieve the desired operation of their systems, an intermod specification of -150 dBc is typically used by tenants to ensure optimal performance of their equipment. This quality control specification of components and workmanship/installation helps to ensure that any non-linear characteristics exhibited by a given tenant's system will prevent any potential intermodulation products from having a noticeable impact on performance.

[2] Please see Attachment A for a breakdown of the number of potential hits per frequency.

[3] The details showing the specific combinations of intermod frequencies have not been included, but can be furnished upon request.

4. Verizon Antenna Installation Detail

Verizon Wireless' proposed design includes the installation of an RF transparent canister at the western end of the peaked rooftop, which will house a total of three directional antennas (one per sector). The aerial view below illustrates the azimuths of the proposed Verizon antennas and the location of the existing Montrose Fire District antennas. The proposed azimuths are such that Verizon's antennas will be facing away from the Montrose Fire District antennas. Due to the directionality of the Verizon antennas and the proposed azimuths, the potential for interference between the Montrose Fire District and Verizon Wireless would be extremely low.

Figure 1: Verizon Antenna Location & Azimuths

5. Conclusion

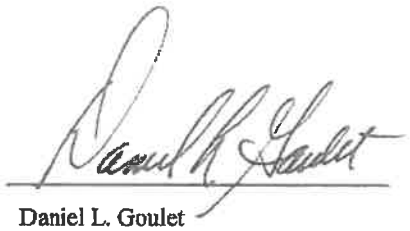
FCC licensees, such as the operators considered in this intermodulation analysis, must operate their systems within regulations defined by the FCC that are intended to mitigate any potential interference between the different operators. Additionally, every wireless carrier, in accordance with their FCC license, must meet all Federal, State and Local requirements regarding transmission and radio frequency interference, and adhere to the rules outlined in Title 47 of the Code of Federal Regulations. If at any time one or more of these carriers are found to be causing interference to another licensed operator, they are obligated to remedy that interference immediately. These regulations, in conjunction with sound engineering design practices and properly maintained equipment, allow each system on a multi-operator site to function in an interference-free environment.

While there may be theoretical intermodulation products that fall within the receive band of some operators, these are seldom a problem in practice if all systems are properly maintained. Multiple operators collocate on many sites without any intermodulation problems, and similarly, the likelihood of any problems at this facility is very low. This is evidenced by the vast number of collocation rooftops and towers across the country.

Based on the review of Verizon's proposed antenna installation and the findings discussed in this report, it is highly unlikely that the proposed installation will cause interference that would result in any performance degradation to the Montrose Fire District frequencies in use at this site.

6. Statement of Certification

I certify to the best of my knowledge that the statements in this report are true and accurate.



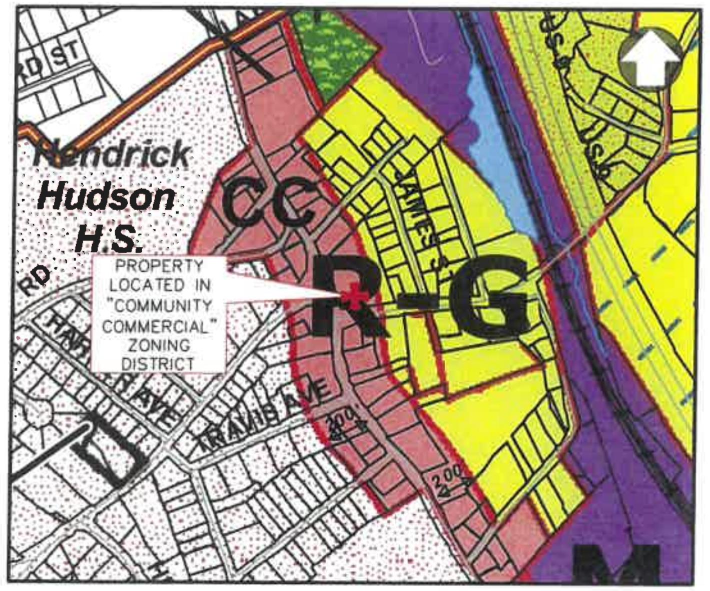
Daniel L. Goulet
C Squared Systems, LLC

February 21, 2018
Date

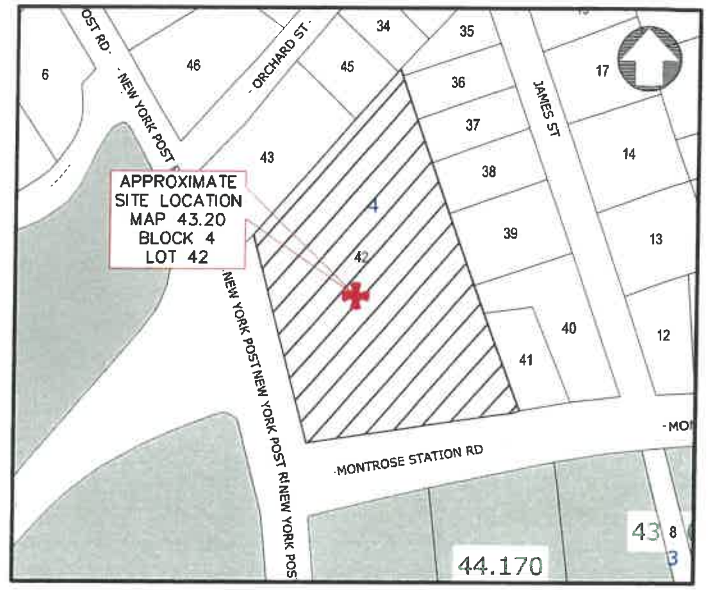
Attachment A: Potential Hits per Frequency

Operator	Frequency (MHz)	Bandwidth (MHz)	Hits MFD Only	Hits w/ VZW	Difference
Montrose Fire District	45.88000	0.02	141	141	0
	46.04000	0.02	89	89	0
	46.14000	0.02	148	148	0
	46.26000	0.02	2	2	0
	46.30000	0.02	87	87	0
	46.38000	0.02	145	145	0
	46.42000	0.02	31	31	0
	453.0250	0.0112	1	55	54
	453.4125	0.0112	0	66	66
	458.4125	0.0112	1	194	193
	460.0250	0.0112	63	272	209
	460.2500	0.0112	2	209	207
	460.2750	0.0112	63	270	207
	460.3250	0.0112	1	208	207
	465.0250	0.0112	2	187	185
	465.2500	0.0112	1	186	185
	465.2750	0.0112	2	187	185
	769.14375	0.00625	453	456	3
	769.24375	0.00625	447	450	3
	769.39375	0.00625	533	536	3
	769.49375	0.00625	531	534	3
	769.64375	0.00625	590	593	3
	769.74375	0.00625	589	592	3
	769.89375	0.00625	614	617	3
	769.99375	0.00625	615	618	3
	770.14375	0.00625	614	617	3
	770.24375	0.00625	615	618	3
	770.39375	0.00625	590	596	6
	770.49375	0.00625	590	597	7
	770.64375	0.00625	534	548	14
	770.74375	0.00625	533	549	16
	770.89375	0.00625	457	482	25
	770.99375	0.00625	454	482	28
	773.00625	0.00625	474	686	212
	773.10625	0.00625	455	670	215
	773.25625	0.00625	557	781	224
	773.35625	0.00625	535	761	226
	773.50625	0.00625	615	847	232
	773.60625	0.00625	591	825	234
	773.75625	0.00625	640	880	240
	773.85625	0.00625	615	856	241
	774.00625	0.00625	637	881	244
	774.10625	0.00625	615	859	244
	774.25625	0.00625	612	862	250
	774.35625	0.00625	591	843	252
	774.50625	0.00625	554	817	263
	774.60625	0.00625	535	801	266
	774.75625	0.00625	477	758	281
	774.85625	0.00625	458	744	286
	851.01250	0.02	116	689	573
	851.51250	0.02	164	777	613
	852.01250	0.02	180	839	659
	852.51250	0.02	164	858	694
	853.01250	0.02	116	825	709
Verizon	781.00000	10.0	0	1,299	1,299
	1900.00000	20.0	0	181	181
	1720.00000	20.0	0	40	40
		Total	**19,239**	**29,741**	**10,502**

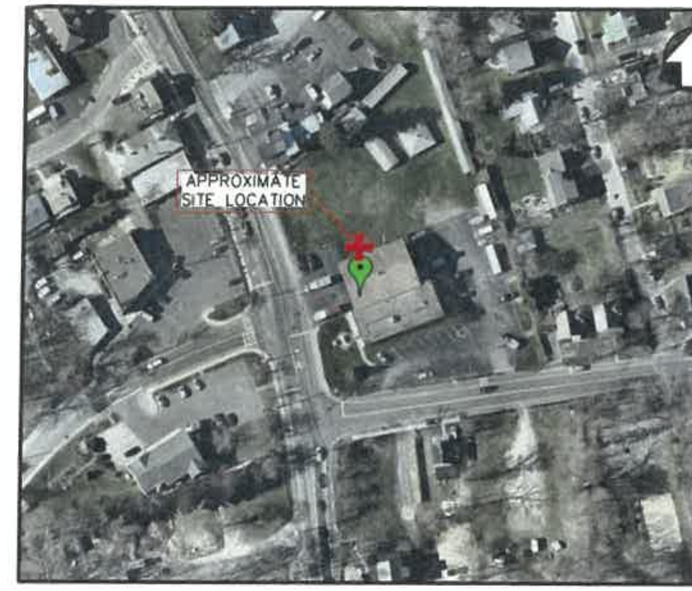
NEW YORK SMSA LIMITED PARTNERSHIP
d/b/a VERIZON WIRELESS
WIRELESS COMMUNICATION FACILITY



CORTLANDT TOWNSHIP ZONING MAP
SCALE: 1" = 400'



TAX MAP
SCALE: 1" = 100'



KEY MAP
SCALE: 1" = 100'

PROJECT DATA

VERIZON WIRELESS SITE ID:	ALBANY POST ROAD_SC
SITE ADDRESS:	2143 ALBANY POST ROAD MONTROSE, NEW YORK, 10548
SECTION:	43.20
BLOCK:	4
LOT:	42
ZONE:	(CC) COMMUNITY COMMERCIAL
NUMBER OF FLOORS:	2
APPLICANT:	NEW YORK SMSA LIMITED PARTNERSHIP d/b/a VERIZON WIRELESS 4 CENTEROCK RD WEST NYACK, NY 10994
OWNER:	CORTLANDT ENGINE CO. INC. MONTROSE, NEW YORK, 10548 2143 ALBANY POST ROAD

SITE DATA

PROJECT CODE:	20141109161
LOCATION CODE:	307588
LATITUDE:	N 41° 15' 09.99"
LONGITUDE:	W 73° 55' 53.96"

THE DEPARTMENT HEAD SIGNATURES INDICATE THAT THIS DRAWING OR SET OF DRAWINGS IS CONSISTENT WITH THE PLANNING BOARD RESOLUTION OF APPROVAL AND WITH THE GENERAL REQUIREMENTS AND POLICIES OF THE TOWN OF CORTLANDT FOR WHICH THE DEPARTMENT HEAD IS RESPONSIBLE. THE PROJECT DESIGN INCLUDING ALL PUBLIC HEALTH AND SAFETY CONSIDERATIONS ARE SOLELY THE RESPONSIBILITY OF THE DESIGN PROFESSIONAL WHO HAS SIGNED AND SEALED THE DRAWINGS.

REVIEWED BY THE DEPARTMENT OF ENVIRONMENTAL SERVICES

DIRECTOR ______ DATE ______

REVIEWED BY THE DEPARTMENT OF TECHNICAL SERVICES

DIRECTOR ______ DATE ______

APPROVED BY RESOLUTION NO. _____ OF THE PLANNING BOARD OF THE TOWN OF CORTLANDT, NEW YORK ON THE ____ DAY OF __________, 20___, SUBJECT TO ALL REQUIREMENTS AND CONDITIONS OF SAID RESOLUTION. ANY CHANGE, ERASURE, MODIFICATION OR REVISION IN THIS PLAT OR SITE DEVELOPMENT PLAN, AFTER THE ABOVE DATE, SHALL VOID THIS APPROVAL.

SIGNED THIS ____ DAY OF __________, 20___ BY

CHAIRMAN OF THE PLANNING BOARD

ZONING DRAWINGS
ALBANY POST ROAD_SC
2143 ALBANY POST ROAD, MONTROSE, NY 10548
MAP 43.20, BLOCK 4, LOT 42
PROPOSED SMALL CELL PUBLIC UTILITY TELECOMMUNICATION FACILITY
TOWN OF CORTLANDT
WESTCHESTER COUNTY
NEW YORK

DRAWING SCHEDULE

DWG #	DRAWING TITLE
T-1	TITLE SHEET
SP-1	SITE PLAN
SP-2	ENLARGED SITE PLAN AND NOTES
SP-3	ROOF PLAN AND EQUIPMENT PLAN
SP-4	ANTENNA PLAN AND DETAILS
SP-5	FRONT ELEVATION
SP-6	SIDE ELEVATION
SP-7	1500' ABUTTERS LIST (1 OF 2)
SP-8	1500' ABUTTERS LIST (2 OF 2)

APPLICABLE CODES

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

1. BUILDING CODE 2015 OF NEW YORK STATE (AS AMENDED BY NY & SUPPLEMENT 2017)
2. ANSI EIA/TIA-222 STRUCTURAL STANDARD
3. NATIONAL ELECTRICAL CODE, 2014 EDITION

SCHEDULE OF REVISIONS

	DESCRIPTION OF CHANGES	DRAWN BY	AUTH. BY	ISSUE STATUS	ISSUE DATE
7					
6					
5	REVISED PER FD COMMENTS; ISSUED FOR REVIEW	A.R.C.	P.J.T.	B	01/16/19
4	REVISED PER COMMENTS	A.R.C.	P.J.T.	B	12/19/18
3	REVISED PER COMMENTS	A.R.C.	P.J.T.	B	12/05/18
2	REVISED PER COMMENTS	A.R.C.	P.J.T.	B	11/20/18
1	ISSUED AS FINAL	A.R.C.	P.J.T.	B	10/17/18
0	ISSUED FOR REVIEW	D.C.	P.J.T.	A	08/10/18

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NEW YORK SMSA LIMITED PARTNERSHIP d/b/a VERIZON WIRELESS
4 CENTEROCK ROAD
WEST NYACK, NY 10994

FRENCH & PARRELLO ASSOCIATES
1800 Route 34, Suite 101 • Wall, New Jersey 07719
t: 732.312.9800 f: 732.312.9801

STATE OF NEW YORK
PETER J. TARGOS 079612
NEW YORK PROFESSIONAL ENGINEER LIC. NO. 079612
LICENSED PROFESSIONAL ENGINEER

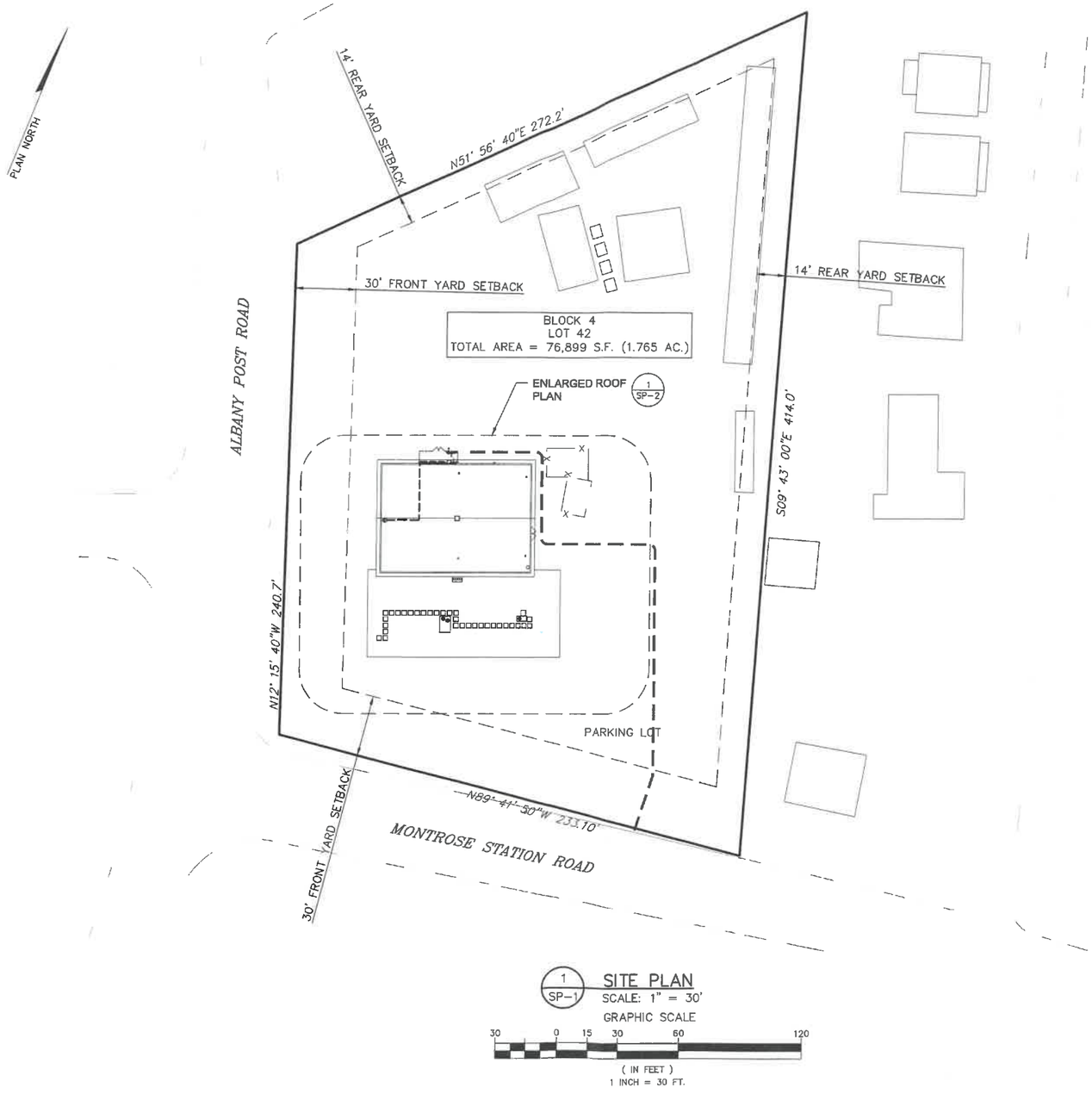
DRAWING TITLE: TITLE SHEET

PROJECT:
ALBANY POST ROAD_SC
2143 ALBANY POST ROAD
MONTROSE, NEW YORK, 10548
WESTCHESTER COUNTY

PROPERTY OWNER:
CORTLANDT ENGINE CO. INC.

DRAWING ISSUE STATUS CURRENTLY – B
A – ISSUED FOR PRELIMINARY INFORMATION ONLY
B – ISSUED FOR MUNICIPAL REVIEWS/APPROVALS
C – ISSUED FOR CONSTRUCTION PERMITS/BIDS
D – ISSUED FOR CONSTRUCTION
E – (SPECIFY) ______

FIRST ISSUE: 07/31/18	DRAWING NO. T-1
DRAWN BY: D.C.	
CHECKED BY: P.J.T.	
SCALE: AS SHOWN	SHEET NO. 1 OF 9
PROJECT NO. 9287.020	PRINT DATE: 01/16/19
DOCUMENT NO.	



1 SP-1 SITE PLAN
SCALE: 1" = 30'

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 INCH = 30 FT.

SCHEDULE OF REVISIONS

	DESCRIPTION OF CHANGES	DRAWN BY	AUTH. BY	ISSUE STATUS	ISSUE DATE
7					
6					
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WEST NYACK, NY 10994

FRENCH & PARRELLO ASSOCIATES
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o: 732.312.9800 f: 732.312.9801

PETER J. TARDY, P.E. DATE
NEW YORK PROFESSIONAL ENGINEER LIC. NO. 076612

DRAWING TITLE: SITE PLAN

PROJECT:
ALBANY POST ROAD_SC
2143 ALBANY POST ROAD
MONTROSE, NEW YORK, 10548
WESTCHESTER COUNTY

PROPERTY OWNER:
CORTLANDT ENGINE CO. INC.

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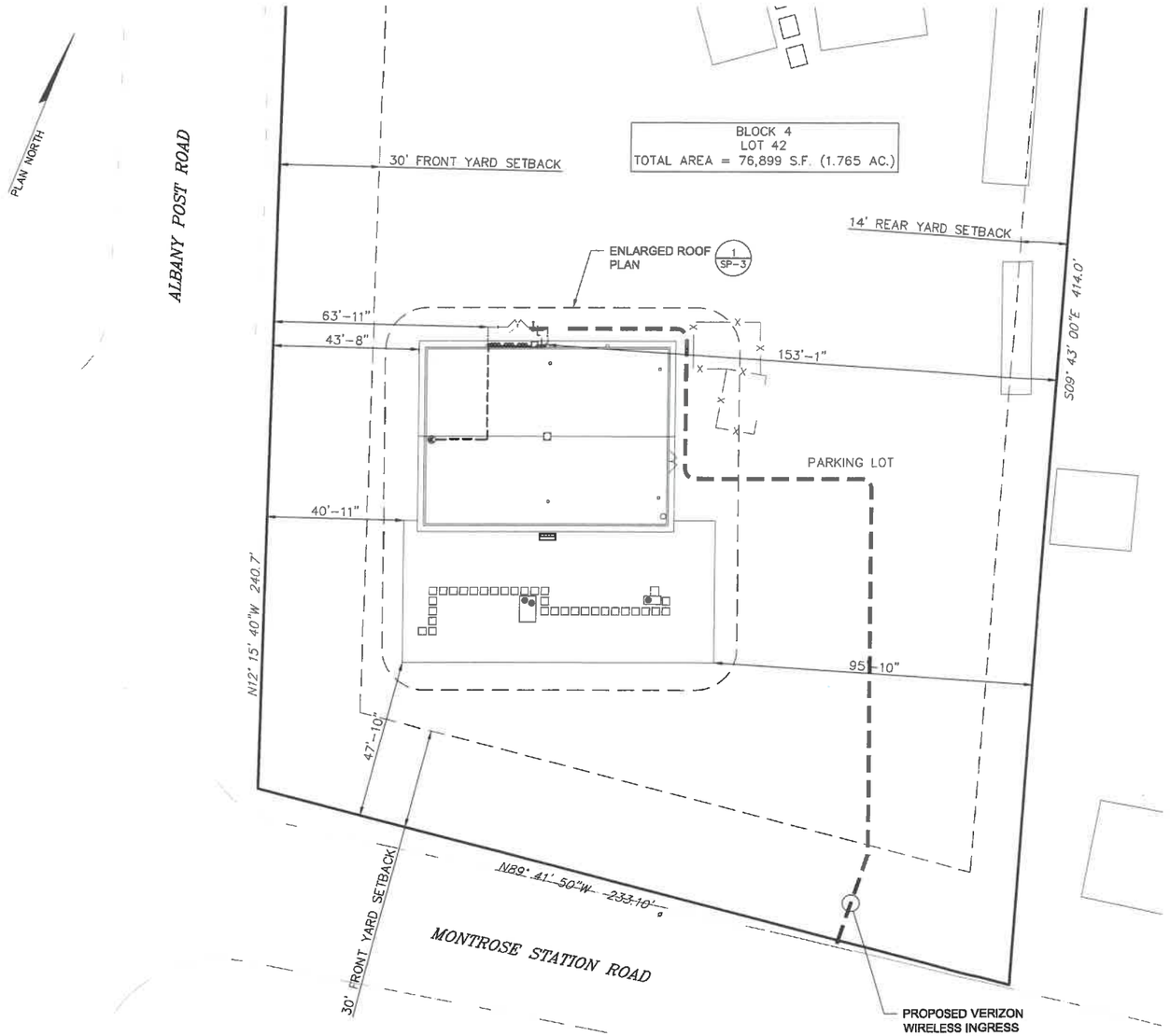
FIRST ISSUE: 07/31/18	DRAWING NO. SP-1
DRAWN BY: D.C.	
CHECKED BY: P.J.T.	
SCALE: AS SHOWN	SHEET NO. 2 OF 9
PROJECT NO. 9287.020	PRINT DATE: 01/16/19
DOCUMENT NO.	



1 SP-2 ENLARGED SITE PLAN
SCALE: 1" = 20'

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 INCH = 20 FT.

GENERAL NOTES:

1. SUBJECT PROPERTY IS KNOWN AS BLOCK 4, LOT 42 IN THE TOWN OF CORTLANDT AS SHOWN ON THE WESTCHESTER COUNTY TAX MAP SITUATED ON 2143 ALBANY POST ROAD, MONTROSE, NEW YORK 10548.
2. THE PROPERTY IS LOCATED WITHIN THE "COMMUNITY COMMERCIAL" (CC) ZONING DISTRICT.
3. MAP INFORMATION SHOWN HAS BEEN TAKEN FROM THE FOLLOWING SOURCES:
   - A PLAN ENTITLED "SITE PLAN FOR CORTLANDT ENGINE COMP." PREPARED BY TIMOTHY L. CRONIN, JB, PE, DATED OCTOBER 2, 1975.
   - A PLAN ENTITLED "TOPOGRAPHIC SURVEY FOR CORTLANDT ENGINE CO., SITUATE IN TOWN OF CORTLANDT, WETCHESTER COUNTY." PREPARED BY VINCENT BURRUANO, LS, DATED MAY 5, 1975.
   - FIELD MEASUREMENTS BY FRENCH & PARRELLO ASSOCIATES, AERIAL IMAGERY, AND DIGITAL TAX MAPS FOUND ON THE WESTCHESTER COUNTY ONLINE DATABASE.
4. THE APPLICANT PROPOSES TO INSTALL A TELECOMMUNICATIONS FACILITY CONSISTING OF THREE (3) ANTENNAS ON THE EXISTING BUILDING ROOFTOP CONCEALED BY A STEALTH SCREENING MADE OF RF FRIENDLY MATERIAL, TOGETHER WITH NINE (9) SMALL CELL UNITS, TWO (2) GPS UNITS, UTILITIES, AND ASSOCIATED EQUIPMENT LOCATED AT GRADE.
5. THE PROPOSED FACILITY IS NOT INTENDED FOR PERMANENT EMPLOYEE OCCUPANCY AND THEREFORE POTABLE WATER, SANITARY SEWERS ARE NOT REQUIRED.
6. THIS FACILITY SHALL BE VISITED ON THE AVERAGE OF ONCE A MONTH FOR MAINTENANCE AND SHALL BE OTHERWISE MONITORED FROM A REMOTE FACILITY. THE PROPOSED INSTALLATION IS PROPOSED WITHIN THE EXISTING BUILDING SUCH THAT LANDSCAPING NOR LIGHTING ARE PROPOSED.
7. CONNECTION TO ELECTRICAL AND TELEPHONE UTILITIES TO BE DETERMINED BY THE APPROPRIATE UTILITY COMPANY.
8. THIS SET OF PLANS HAS BEEN PREPARED FOR THE PURPOSES OF MUNICIPAL AND AGENCY REVIEW AND APPROVAL. THIS SET OF PLANS SHALL NOT BE UTILIZED AS CONSTRUCTION DOCUMENTS UNTIL ALL CONDITIONS OF APPROVAL HAVE BEEN SATISFIED AND EACH OF THE DRAWINGS HAS BEEN REVISED TO INDICATE "ISSUED FOR CONSTRUCTION."
9. FCC NOTICE AND GUIDELINE SIGNAGE TO BE POSTED AT EACH ANTENNA SECTOR IN ACCORDANCE WITH FCC REGULATIONS.
10. THE EXISTING PARKING LOT WILL BE UTILIZED FOR MONTHLY MAINTENANCE VISITS.
11. THE PROPOSED INSTALLATION IS ON THE ROOF OF THE EXISTING BUILDING; AS SUCH, NO LANDSCAPING OR LIGHTING IS PROPOSED.
12. NO COMMERCIAL SIGNS ARE PROPOSED AS PART OF THIS APPLICATION.
13. THERE WILL BE A NEGLIGIBLE INCREASE IN AMBIENT NOISE LEVELS OUTSIDE THE BUILDING AS A RESULT OF THE PROPOSED INSTALLATION.
14.

BULK REQUIREMENT DATA TABLE
"COMMUNITY COMMERCIAL" (CC) ZONING DISTRICT - NOT CONNECTED TO PUBLIC SEWER SYSTEM

ITEM	REQUIRED	EXISTING	PROPOSED
MIN. LOT AREA (SF)	15,000 SF	±71,003 SF	NO CHANGE
MIN. LOT WIDTH (FT)	100 FT	±281 FT	NO CHANGE
MIN. LOT DEPTH (FT)	-	±253 FT	NO CHANGE
PRINCIPAL BUILDING SETBACK			
MIN. FRONT YARD (FT)	30 FT	±40.9 FT	NO CHANGE
MIN. SIDE YARD (FT) (1/2 THE HEIGHT OF THE TOWER)	14 FT	N/A	NO CHANGE
MIN. REAR YARD (FT) (1/2 THE HEIGHT OF THE TOWER)	14 FT	±95.8 FT	NO CHANGE
MAX BUILDING HEIGHT (FT)	2.5 STORIES OR 35 FT	±28 FT	±35 FT
MIN LOT AREA PER DWELLING UNIT	7,500 SF	N/A	NO CHANGE
MAX BUILDING COVERAGE (%)	25%	±19.7% (13,965 SF)	NO CHANGE
MIN LANDSCAPING COVERAGE (%)	30%	-	NO CHANGE
MAX BUILDING FLOOR AREA	12,000 SF	-	NO CHANGE
DISTANCE FROM EQUIPMENT TO NEAREST RESIDENTIAL STRUCTURE	-	-	±190 FT (3 MONTROSE STATION ROAD)
DISTANCE FROM EQUIPMENT TO NEAREST HABITABLE STRUCTURE (NOT INCLUDING THE MONTROSE FIRE DEPARTMENT)	-	-	±190 FT (3 MONTROSE STATION ROAD)
TABLE OF BULK REQUIREMENT FOR COMMUNITY COMMERCIAL ZONING ACCORDING TO TABLE OF DIMENSIONAL REGULATIONS, NONRESIDENTIAL DISTRICTS §307-17, ZONING TOWN OF CORTLANDT NY ZONING CODE.			

SCHEDULE OF REVISIONS

	DESCRIPTION OF CHANGES	DRAWN BY	AUTH. BY	ISSUE STATUS	ISSUE DATE
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WEST NYACK, NY 10994

FRENCH & PARRELLO ASSOCIATES
1800 Route 34, Suite 101 - Wall, New Jersey 07719
tx 732.312.9800 fx 732.312.9801
PETER J. TARDY, P.E.
NEW YORK PROFESSIONAL ENGINEER
LIC. NO. 073112
PROFESSIONAL ENGINEER

DRAWING TITLE:
ENLARGED SITE PLAN AND NOTES

PROJECT:
ALBANY POST ROAD_SC
2143 ALBANY POST ROAD
MONTROSE, NEW YORK, 10548
WESTCHESTER COUNTY

PROPERTY OWNER:
CORTLANDT ENGINE CO. INC.

DRAWING ISSUE STATUS CURRENTLY - B
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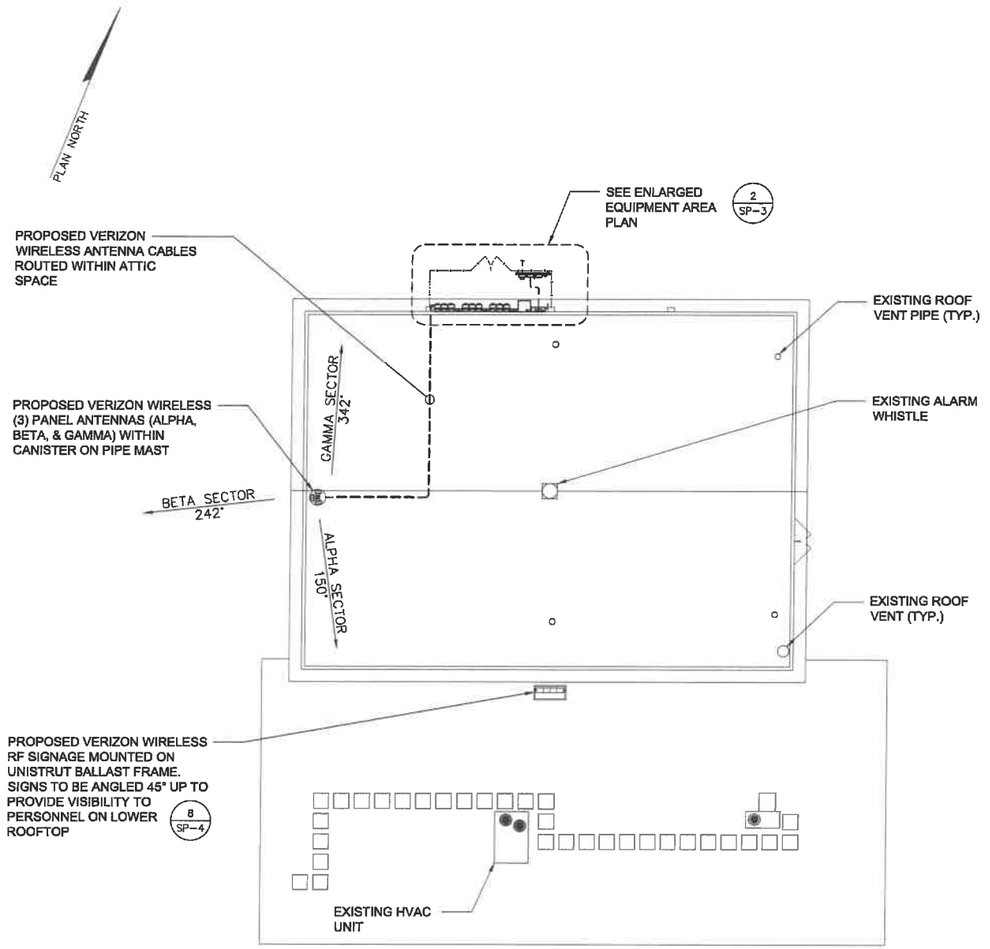
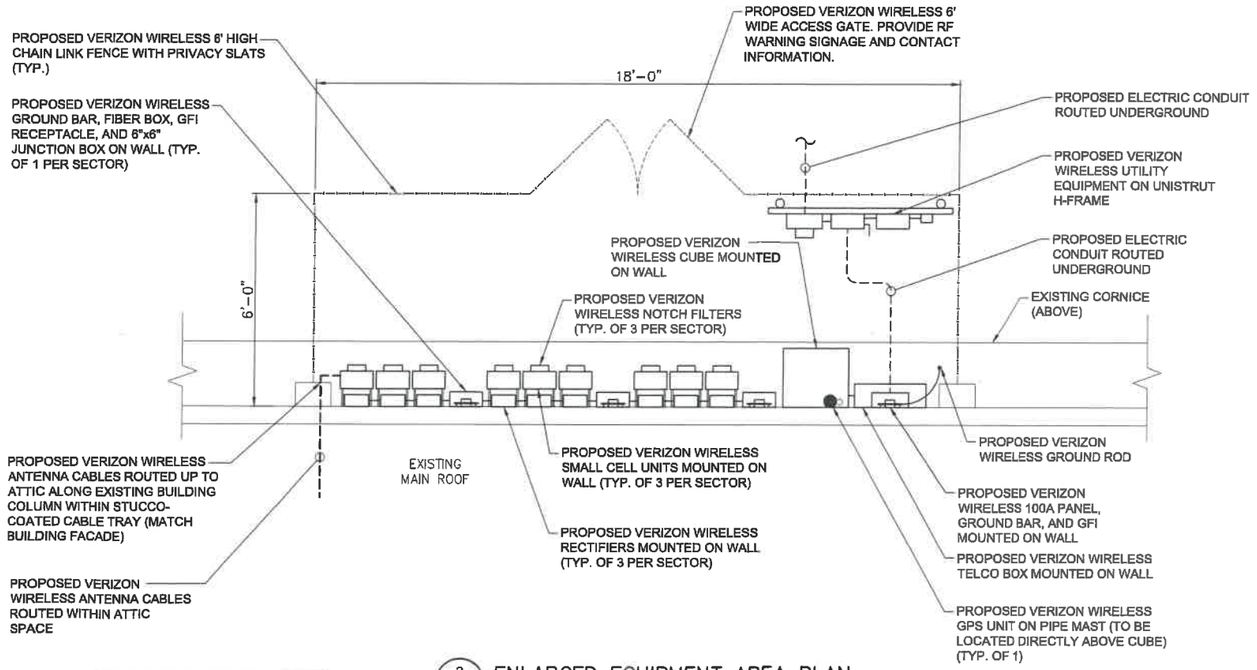
D – ISSUED FOR CONSTRUCTION
E – (SPECIFY) _____

FIRST ISSUE: 07/31/18	DRAWING NO. SP-2
DRAWN BY: D.C.	
CHECKED BY: P.J.T.	
SCALE: AS SHOWN	SHEET NO. 3 OF 9
PROJECT NO. 9287.020	PRINT DATE: 01/16/19
DOCUMENT NO.	



1 SP-3 ROOF PLAN
SCALE: 3/32"=1'-0"

GRAPHIC SCALE
8 0 4 8 16 32
(IN FEET)
3/32 INCH = 1 FOOT



NOTE:
THERE ARE NO EXISTING WINDOWS OR DOORS WITHIN THE PROPOSED EQUIPMENT AREA.

2 SP-3 ENLARGED EQUIPMENT AREA PLAN
SCALE: 1/2" = 1'-0"

GRAPHIC SCALE
2 0 1 2 4 8
(IN FEET)
1/2 INCH = 1 FOOT

SCHEDULE OF REVISIONS

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WEST NYACK, NY 10994

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1800 Route 34, Suite 404 • Wall, New Jersey 07719
t: 732.312.9800 f: 732.312.9801

PETER J. TARWORE
NEW YORK PROFESSIONAL ENGINEER
LIC. NO. 079612
DATE

DRAWING TITLE:
ROOF PLAN AND EQUIPMENT PLAN

PROJECT:
ALBANY POST ROAD_SC
2143 ALBANY POST ROAD
MONTROSE, NEW YORK, 10548
WESTCHESTER COUNTY

PROPERTY OWNER:
CORTLANDT ENGINE CO. INC.

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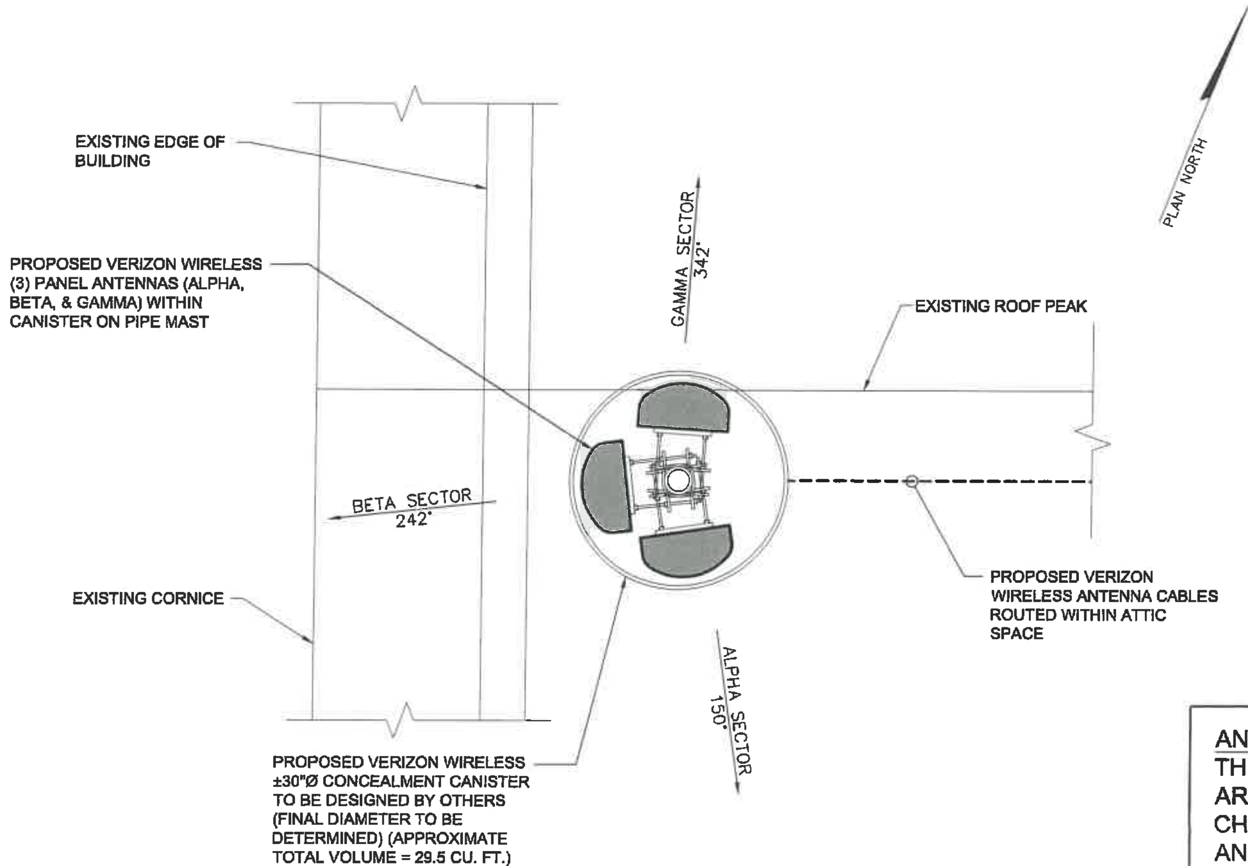
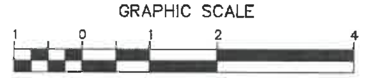
FIRST ISSUE: 07/31/18	DRAWING NO. SP-3
DRAWN BY: D.C.	
CHECKED BY: P.J.T.	
SCALE: AS SHOWN	SHEET NO. 4 OF 9
PROJECT NO. 9287.020	PRINT DATE: 01/16/19
DOCUMENT NO.	

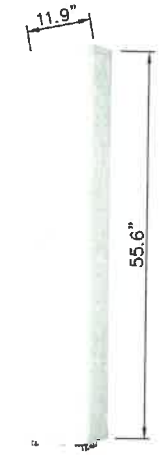


(1 / SP-4) ENLARGED ANTENNA PLAN
SCALE: 3/4" = 1'-0"

GRAPHIC SCALE



(IN FEET)
3/4 INCH = 1 FOOT



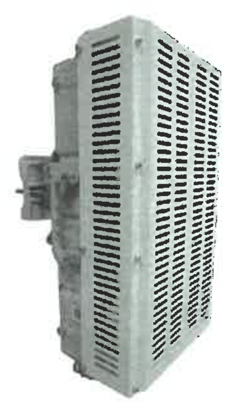
MECHANICAL SPECIFICATIONS
OVERALL HEIGHT: 55.6 IN. (1413 mm)
WIDTH: 11.9 IN. (301 mm)
DEPTH: 7.1 IN. (180 mm)
SURFACE AREA: 4.59 SQ. FT.
WEIGHT W/O BRACKETS: 35.1 LBS.

COMMSCOPE NHH-65A-R2B

(2 / SP-4) DETAIL
NOT TO SCALE

ANTENNA NOTE:
THE DIMENSIONS OF THE NEW ANTENNAS ARE APPROXIMATE AND SUBJECT TO CHANGE BASED ON AVAILABILITY OF ANTENNAS AT THE TIME OF CONSTRUCTION

(8 / SP-4) RF SIGNAGE
NOT TO SCALE



MECHANICAL SPECIFICATIONS
OVERALL HEIGHT: 20.9 IN.
WIDTH: 11.8 IN.
DEPTH: 7.5 IN.
WEIGHT: 55.6 LBS.

ALU B13 RRH4x30W RRH UNIT

(3 / SP-4) DETAIL
NOT TO SCALE

MECHANICAL SPECIFICATIONS
OVERALL HEIGHT: 25.8 IN.
WIDTH: 11.8 IN.
DEPTH: 7.2 IN.
WEIGHT: 56.8 LBS.

ALU B66A RRH4x45W RRH UNIT

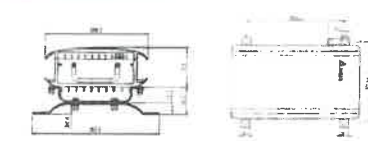
(4 / SP-4) DETAIL
NOT TO SCALE

MECHANICAL SPECIFICATIONS
OVERALL HEIGHT: 21.2 IN.
WIDTH: 12.0 IN.
DEPTH: 7.2 IN.
WEIGHT: 53 LBS.

ALU B25 RRH4x30 RRH UNIT

(5 / SP-4) DETAIL
NOT TO SCALE

MECHANICAL SPECIFICATIONS
OVERALL HEIGHT: 14.1 IN.
WIDTH: 8.3 IN.
DEPTH: 3.5 IN.
WEIGHT: 14.1 LBS.



DELTA DPR 1000B-48 RECTIFIER UNIT

(6 / SP-4) DETAIL
NOT TO SCALE

GPS-TMG-HR-26NCM (GPS UNIT)

(7 / SP-4) DETAIL
NOT TO SCALE

SCHEDULE OF REVISIONS

7					
6					
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4 CENTEROCK ROAD
WEST NYACK, NY 10994

FRENCH & PARRELLO ASSOCIATES
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t: 732.312.9800 f: 732.312.9801

PETER J. TABBOT P.E.
NEW YORK PROFESSIONAL ENGINEER
LIC. NO. 079812
DATE

DRAWING TITLE:
ANTENNA PLAN AND DETAILS

DRAWING ISSUE STATUS CURRENTLY – B
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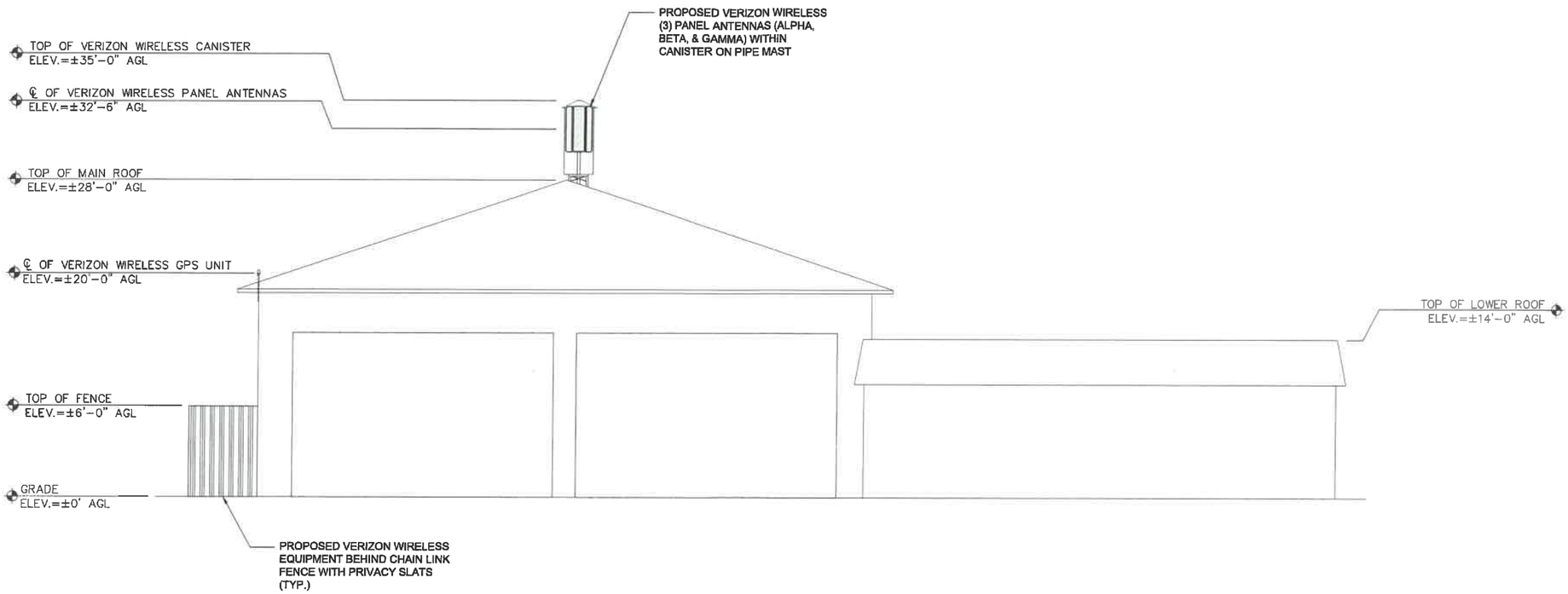
PROJECT:
ALBANY POST ROAD_SC
2143 ALBANY POST ROAD
MONTROSE, NEW YORK, 10548
WESTCHESTER COUNTY

PROPERTY OWNER:
CORTLANDT ENGINE CO. INC.

FIRST ISSUE: 07/31/18	DRAWING NO. SP-4
DRAWN BY: D.C.	
CHECKED BY: P.J.T.	
SCALE: AS SHOWN	SHEET NO. 5 OF 9
PROJECT NO. 9287.020	PRINT DATE: 01/16/19
DOCUMENT NO.	



1 / SP-5 FRONT ELEVATION
SCALE: 3/8" = 1'-0"

GRAPHIC SCALE
2 0 1 2 4 8
(IN FEET)
3/8 INCH = 1 FOOT

SCHEDULE OF REVISIONS

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WEST NYACK, NY 10994

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FRENCH & PARRELLO ASSOCIATES
1800 Route 34 Suite 101 • Wall, New Jersey 07719
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PETER J. FARDY, P.E.
NEW YORK PROFESSIONAL ENGINEER — LIC. NO. 073612 — DATE 1/16/19

NEW YORK PROFESSIONAL ENGINEER

DRAWING TITLE: FRONT ELEVATION

PROJECT: ALBANY POST ROAD_SC
2143 ALBANY POST ROAD
MONTROSE, NEW YORK, 10548
WESTCHESTER COUNTY

PROPERTY OWNER: CORTLANDT ENGINE CO. INC.

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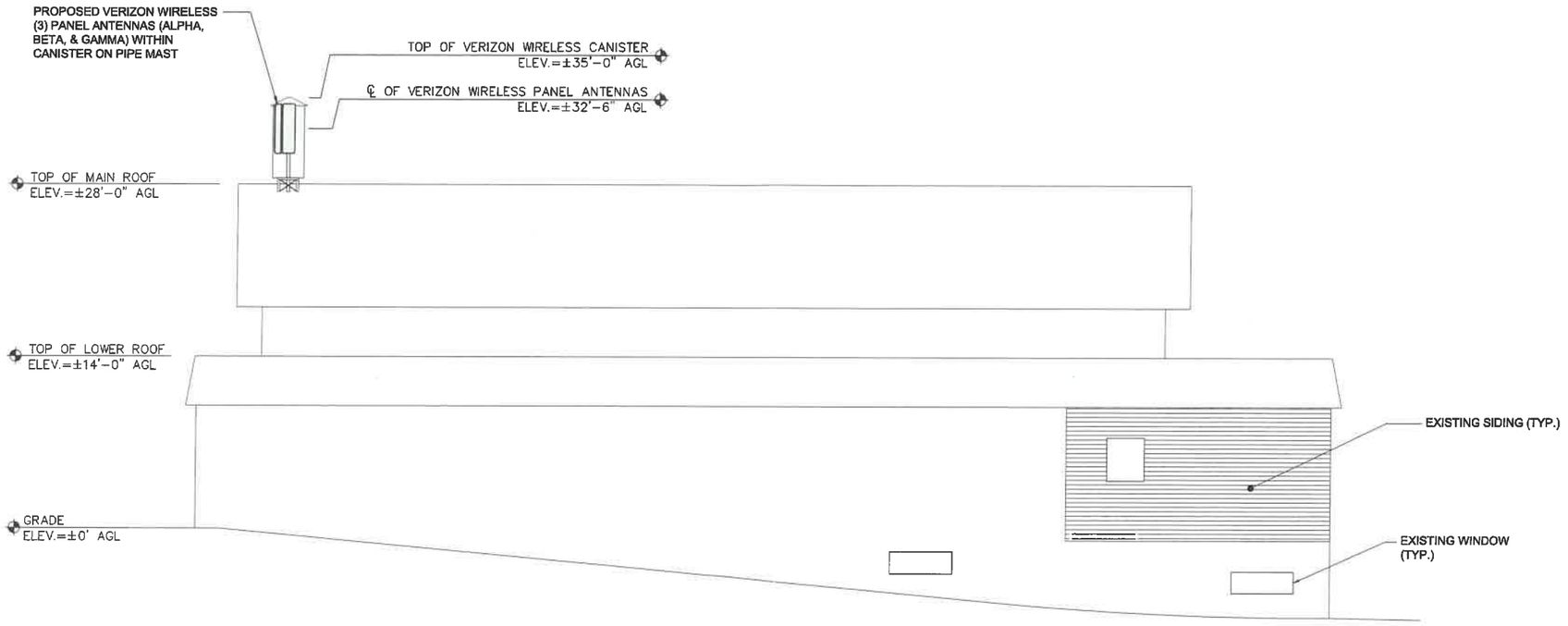
DRAWING NO. SP-5
SHEET NO. 6 OF 9
PRINT DATE: 01/16/19



1 / SP-6 SIDE ELEVATION
SCALE: 3/8" = 1'-0"

GRAPHIC SCALE
2 0 1 2 4 8
(IN FEET)
3/8 INCH = 1 FOOT

SCHEDULE OF REVISIONS

	DESCRIPTION OF CHANGES	DRAWN BY	AUTH. BY	ISSUE STATUS	ISSUE DATE
7					
6					
5	REVISED PER FD COMMENTS; ISSUED FOR REVIEW	A.R.C.	P.J.T.	B	01/16/19
4	REVISED PER COMMENTS	A.R.C.	P.J.T.	B	12/19/18
3	REVISED PER COMMENTS	A.R.C.	P.J.T.	B	12/05/18
2	REVISED PER COMMENTS	A.R.C.	P.J.T.	B	11/20/18
1	ISSUED AS FINAL	A.R.C.	P.J.T.	B	10/17/18
0	ISSUED FOR REVIEW	D.C.	P.J.T.	A	08/10/18

NOTES:

1. THIS DOCUMENT HAS BEEN PREPARED FOR A 24"x 36" FORMAT. DO NOT SCALE THIS DOCUMENT IF PLOTTED ON ANY OTHER FORMAT.
2. IF THIS DOCUMENT DOES NOT CONTAIN THE STAMP OF THE UNDERSIGNED PROFESSIONAL, IT IS NOT A VALID DOCUMENT AND NO LIABILITY IS ASSUMED FOR THE INFORMATION SHOWN HEREON.

NEW YORK SMSA LIMITED PARTNERSHIP d/b/a VERIZON WIRELESS

4 CENTEROCK ROAD
WEST NYACK, NY 10994

FRENCH & PARRELLO ASSOCIATES
1800 Route 34, Suite 101 - Wall, New Jersey 07719
tel: 732.312.9800 - fax: 732.312.9801

PETER J. JARDIN, P.E. — DATE
NEW YORK PROFESSIONAL ENGINEER — LICENSE NO. 079612

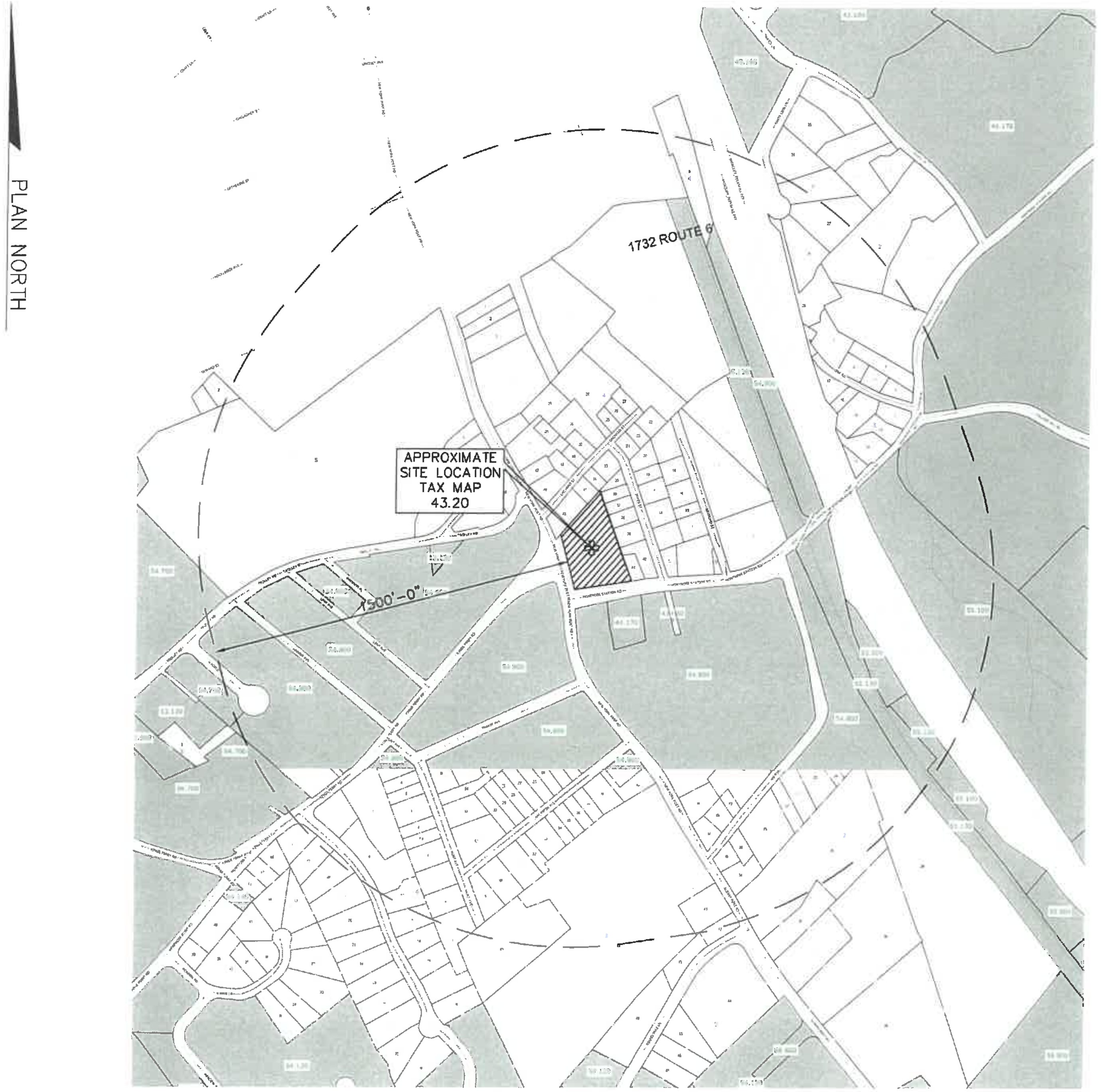
DRAWING TITLE: SIDE ELEVATION

PROJECT:
ALBANY POST ROAD_SC
2143 ALBANY POST ROAD
MONTROSE, NEW YORK, 10548
WESTCHESTER COUNTY

PROPERTY OWNER:
CORTLANDT ENGINE CO. INC.

DRAWING ISSUE STATUS CURRENTLY - B
A – ISSUED FOR PRELIMINARY INFORMATION ONLY
B – ISSUED FOR MUNICIPAL REVIEWS/APPROVALS
C – ISSUED FOR CONSTRUCTION PERMITS/BIDS
D – ISSUED FOR CONSTRUCTION
E – (SPECIFY) _____

FIRST ISSUE: 07/31/18	DRAWING NO. SP-6
DRAWN BY: D.C.	
CHECKED BY: P.J.T.	
SCALE: AS SHOWN	SHEET NO. 7 OF 9
PROJECT NO. 9287.020	PRINT DATE: 01/16/19
DOCUMENT NO.	



1 / SP-7 — 1500' ABUTTERS LIST
SCALE: 1" = 300'

GRAPHIC SCALE
300 0 200 300 600 1200
(IN FEET)
1 INCH = 300 FT.

1500' ABUTTER'S LIST		
PROPERTY ADDRESS	PROPERTY OWNER	OWNER'S ADDRESS
2166 ALBANY POST RD	CENTRAL SCHOOL DIST NO 3	TROLLEY RD MONTROSE, NY 10548
5 ADELE CT	MC KAY EDWARD D & ALLISON J	5 ADELE CT MONTROSE, NY 10548
15 LANCASTER AVE	LAKER RICHARD & PATRICIA	15 LANCASTER AVE MONTROSE, NY 10548
33 VICTORIA AVE	TIM COOK INC	PO BOX 351 MONTROSE, NY 10548
MONTROSE STATION RD	HALES ROBERT J	4 TRAVIS LN MONTROSE, NY 10548
12 EMERSON PL	FROEHLICH PETER A & KAREN M	4 GRACE LN CORTLANDT MANOR, NY 10567
LAKE AVE	BOARD OF EDUCATION/SCHOOL DISTRICT 3	TROLLEY RD MONTROSE, NY 10548
4 JAMES ST	KOLESAR PETER J & JENNY	4 JAMES ST MONTROSE, NY 10548
6 TRAVIS LN	HALES ROBERT J	6 TRAVIS LN MONTROSE, NY 10548
15 HUNT AVE	TURNER SUSAN	15 HUNT AVE MONTROSE, NY 10548
10 TROLLEY RD	SCHMITT EDWARD D/MC CLOSKEY FELICIA	10 TROLLEY RD MONTROSE, NY 10548
2152 ALBANY POST RD	FLYNN MARY	2152 ALBANY POST RD MONTROSE, NY 10548
24 TRAVIS AVE	DONOVAN KELLEY J & DANIEL W	24 TRAVIS AVE MONTROSE, NY 10548
7 EMERSON PL	TUTTLE CAROLYN M	7 EMERSON PL MONTROSE, NY 10548
13 ORCHARD ST	HALSTEAD ANNA & COREY	13 ORCHARD ST MONTROSE, NY 10548
2137 ALBANY POST RD	CORTLANDT RACQUET CLUB INC	2127 ALBANY POST RD MONTROSE, NY 10548
20 LENT AVE	DYNAMITE PROPERTIES CORP	56 PAPANIA DR MAHOPAC, NY 10541
210 SEWARD ST	SIMEONI AGNESE L REV TRUST/SIMEONI AGNESE TRUSTEE	210 SEWARD ST BUCHANAN, NY 10511
24 LANCASTER AVE	COLEMAN EDMOND & AMANDA	24 LANCASTER AVE MONTROSE, NY 10548
18 LENT AVE	BELOFF CHRISTOPHER C/GLEICE G	18 LENT AVE MONTROSE, NY 10548
8 LANCASTER AVE	EAGENS JAMES E TRUST/EAGENS JAMES E TRUSTEE	8 LANCASTER AVE MONTROSE, NY 10548
59 KINGS FERRY RD	TURNER MARTIN R	142 KRAMERS POND RD PUTNAM VALLEY, NY 10579
7 LANCASTER AVE	GILMORE GEORGE JR	7 LANCASTER AVE MONTROSE, NY 10548
50 MONTROSE STATION RD	MORELLO GILBERT	50 MONTROSE STATION RD MONTROSE, NY 10548
31 HUNT AVE	PIGNATARO FRANK S JR/MOLINA LAURA MARCELA	31 HUNT AVE MONTROSE, NY 10548
3 MONTROSE STATION RD	STEWART KELLY E & TONI A	3 MONTROSE STATION RD MONTROSE, NY 10548
18 MONTROSE STATION RD	ZHININ JOSE E & AIDA M	18 MONTROSE STATION RD MONTROSE, NY 10548
2127 ALBANY POST RD	CORTLANDT RACQUET CLUB INC	2127 ALBANY POST RD MONTROSE, NY 10548
RTE 9	CON EDISON CO OF NY	TAX DEPARTMENT 4 IRVING PL, 3RD FLOOR NW NEW YORK, NY 10003
5 HENNING DR	DE MATTEO CHRISTIAN & HEATHER	5 HENNING DR MONTROSE, NY 10548
8 LENT AVE	VELARDO MATTEO JR & KIMBERLY F	8 LENT AVE MONTROSE, NY 10548
14 HARPER AVE	HO KENNY & JANET	14 HARPER AVE MONTROSE, NY 10548
225 ROCKLEDGE AVE	PEREZ MARY A & MARCUS J JR	258 LOCUST AVE CORTLANDT MANOR, NY 10567
LAKE ST	CON EDISON CO OF NY	TAX DEPARTMENT 4 IRVING PL, 3RD FLOOR NW NEW YORK, NY 10003
38 KINGS FERRY RD	DAVIN WILLIAM J & LAURA A	38 KINGS FERRY RD MONTROSE, NY 10548
51 KINGS FERRY RD	EDWARDS BRIAN & LORELEI	51 KINGS FERRY RD MONTROSE, NY 10548
23 MONTROSE STATION RD	MALONE ELIZABETH A	23 MONTROSE STATION RD MONTROSE, NY 10548
5 TROLLEY RD	TROLLEY RD INC	5 TROLLEY RD MONTROSE, NY 10548
61 TROLLEY RD	CENTRAL SCHOOL DIST 3	TROLLEY RD MONTROSE, NY 10548
13 JAMES ST	HAYES LAURA A REV TRUST/HAYES LAURA A TRUSTEE	13 JAMES ST MONTROSE, NY 10548
12 JAMES ST	CARUSO WILLIAM & TARESA B	12 JAMES ST MONTROSE, NY 10548
8 TRAVIS AVE	PARKES KEVIN E/PEART STEPHANIE N	8 TRAVIS AVE MONTROSE, NY 10548
28 KINGS FERRY RD	GREENFIELD ALLEN G	28 KINGS FERRY RD MONTROSE, NY 10548
3095 ALBANY POST RD	ROMAN CATHOLIC CHURCH OF/ST CHRISTOPHER	3094 ALBANY POST RD BUCHANAN, NY 10511
16 LANCASTER AVE	CORONEL LUIS	16 LANCASTER AVE MONTROSE, NY 10548
22 LENT AVE	HUSTINOVA DRAHOMIRA	22 LENT AVE MONTROSE, NY 10548
6 KINGS FERRY RD	CORTLANDT COMMUNITY VOL/AMBULANCE CORP INC	PO BOX 75 MONTROSE, NY 10548
7 HUNT AVE	MAURO WILLIAM A JR/ZERELLO AMY E	7 HUNT AVE MONTROSE, NY 10548
10 HENNING DR	MOLISE LLC	156 STEVENS AVE MOUNT VERNON, NY 10550
2115 ALBANY POST RD	TIM COOK INC	PO BOX 351 MONTROSE, NY 10548
25 OAK RD	COUNTY OF WESTCHESTER	148 MARTINE AVE RM 600 WHITE PLAINS, NY 10601
208 SEWARD ST	LEMAK WILLIAM S	208 SEWARD ST BUCHANAN, NY 10511
11 HARPER AVE	O'HALLORAN HUGH & BERNADETTE	11 HARPER AVE MONTROSE, NY 10548
14 ORCHARD ST	DE MASI KAREN	14 ORCHARD ST MONTROSE, NY 10548
21 LANCASTER AVE	COE THOMAS JR/SUTTON LEILA	21 LANCASTER AVE MONTROSE, NY 10548
8 TROLLEY RD	CORTLANDT REALTY CORP	PO BOX 34 MONTROSE, NY 10548
22 ORCHARD ST	KELLEY WILLIAM & BERNICE	22 ORCHARD ST MONTROSE, NY 10548
2132 ALBANY POST RD	BARROS JOANNE V	2132 ALBANY POST RD MONTROSE, NY 10548
29 HUNT AVE	SHEN DAW-SEN	29 HUNT AVE MONTROSE, NY 10548
12 OAK RD	HOPKINS THOMAS/MOORE THERESE	14 OAK RD MONTROSE, NY 10548
10 ORCHARD ST	VALENZI ROBERT T & HOLLIANNE	10 ORCHARD ST MONTROSE, NY 10548
8 VICTORIA AVE	ZIMBALDI ALPHONSO S & SHERRY L	31 LAKEVIEW DR PUTNAM VALLEY, NY 10579

1500' ABUTTER'S LIST		
PROPERTY ADDRESS	PROPERTY OWNER	OWNER'S ADDRESS
6 VICTORIA AVE	BACKERMAN JUANITA A	6 VICTORIA AVE MONTROSE, NY 10548
12 ADELE CT	GUERRIERO TERESA M & LIDIO B	12 ADELE CT MONTROSE, NY 10548
5 RAYMOND ST	STEINTHAL MICHAEL A ET AL	5 RAYMOND ST MONTROSE, NY 10548
12 RAYMOND ST	VAN TIL HARRY J L/ACOSTA MELANIE	12 RAYMOND ST MONTROSE, NY 10548
41 KINGS FERRY RD	KIKOLER STEVEN & SUSAN	41 KINGS FERRY RD MONTROSE, NY 10548
4 ADELE CT	PIUCCI JEAN M IRREV LIV TRST/PIUCCI ROBERT V TRUSTEE	4 ADELE CT MONTROSE, NY 10548
7 OAK RD	JACKSON JOHN E & JOSEPHINE	7 OAK RD MONTROSE, NY 10548
15 MONTROSE STATION RD	GIOIA HEATHER M	15 MONTROSE STATION ROAD MONTROSE, NY 10548
3096 ALBANY POST RD	ALBANY POST RD PROPERTIES LLC	908 TERRACE PL CORTLANDT MANOR, NY 10567
20 HARPER AVE	GIOIO JAMES & BRIANNE/WEIR MICHAEL S	20 HARPER AVE MONTROSE, NY 10548
32 HUNT AVE	REFORMED CHURCH CORTLANDTOWN/AKA DUTCH REFORMED CHURCH	32 HUNT AVE MONTROSE, NY 10548
2165 ALBANY POST RD	HENDRICK HUDSON REALTY CORP	2165 ALBANY POST RD MONTROSE, NY 10548
8 HARPER AVE	BOIVIN GABRIEL & REBECCA	8 HARPER AVE MONTROSE, NY 10548
44 VICTORIA AVE	LAMAR BELKIS	44 VICTORIA AVE MONTROSE, NY 10548
TROLLEY RD	8 TROLLEY ROAD LLC	P O BOX 70 MONTROSE, NY 10548
22 KINGS FERRY RD	TUDDI JOSEPH	82 SCHRADE RD BRIARCLIFF MANOR, NY 10510
33 VICTORIA AVE	TIM COOK INC	PO BOX 351 MONTROSE, NY 10548
28 HARPER AVE	MARINO RAUL	28 HARPER AVE MONTROSE, NY 10548
2134 ALBANY POST RD	TRAVIS REALTY INC C/O BARRIER OIL CORP	PO BOX 690 164 W MAIN ST TARRYTOWN, NY 10591
13 LANCASTER AVE	ROUTNIK JOANNA	13 LANCASTER AVE MONTROSE, NY 10548
21 ORCHARD ST	VARADA JOSE M JR/DEE CHRISTINE F	21 ORCHARD ST MONTROSE, NY 10548
13 HARPER AVE	O'NEAL HILDRED C/O NANCY LYNAM	13 HARPER AVE MONTROSE, NY 10548
2155 ALBANY POST RD	SEPULVEDA ROGELIO & CATALINA	2155 ALBANY POST RD MONTROSE, NY 10548
20 HENNING DR	MOLISE LLC	156 STEVENS AVE MOUNT VERNON, NY 10550
9 HUNT AVE	KEON DANIEL & FRANCINE	9 HUNT AVE MONTROSE, NY 10548
23 LANCASTER AVE	REIS KATRINA & REGAN MICHAEL A	23 LANCASTER AVE MONTROSE, NY 10548
ORCHARD ST	POUSADA MANUEL & NIEVES	18 ORCHARD ST MONTROSE, NY 10548
9 LENT AVE	NICHOLS ELIZABETH	9 LENT AVE MONTROSE, NY 10548
9 VICTORIA AVE	LEWIS ROBERT J	9 VICTORIA AVE MONTROSE, NY 10548
19 TROLLEY RD	SETTEPANI DAVID M & CHRISTIANE	51A LAUREL HILL RD CROTON ON HUDSON, NY 10520
22 MONTROSE STATION RD	ADAMS DOUGLAS J	22 MONTROSE STATION RD MONTROSE, NY 10548
7 TRAVIS AVE	ORLANDO JAMES & ROBERTA	7 TRAVIS AVE MONTROSE, NY 10548
2153 ALBANY POST RD	LLPA REALTY CORP	6 MILANO CT CROTON ON HUDSON, NY 10520
2125 ALBANY POST RD	G.P.F. REALTY MGMT LLC	2125 ALBANY POST RD MONTROSE, NY 10548
5 OAK RD	GMEINER JOHN P & GAIL	5 OAK RD MONTROSE, NY 10548
56 TROLLEY RD	DIESCHER VICKI S/SABATO LESLIE	56 TROLLEY RD MONTROSE, NY 10548
3 HARPER AVE	ANDERSON ARTHUR C & COLLEEN F	3 HARPER AVE MONTROSE, NY 10548
18 HARPER AVE	SANMARTIN ROSA	18 HARPER AVE MONTROSE, NY 10548
17 MONTROSE STATION RD	PADMOS DAAN & JODY ALESANDRO	17 MONTROSE STATION RD MONTROSE, NY 10548
15 HENNING DR	KAY BRYAN JONATHAN	15 HENNING DR MONTROSE, NY 10548
2163 ALBANY POST RD	MEAD DOUGLAS R	2163 ALBANY POST RD MONTROSE, NY 10548
8 WHITE LION DR	GILL ROBERT JOSEPH & GILL HELEN CAVASSILAS	8 WHITE LION DR MONTROSE, NY 10548
30 VICTORIA AVE	MONTROSE IMPROVEMENT DIST	2065 E MAIN ST CORTLANDT MANOR, NY 10567
12 HUNT AVE	PETERSON CHARLES C & LORI	12 HUNT AVE MONTROSE, NY 10548
4 HARPER AVE	LARANGEIRA GREGORY/LE-LARANGEIRA THU	4 HARPER AVE MONTROSE, NY 10548
2169 ALBANY POST RD	DYNAMITE PROPERTIES CORP	56 PAPANIA DR MAHOPAC, NY 10541
14 COLLEGE HILL RD	MC GUIRE CHARLES B	14 COLLEGE HILL RD MONTROSE, NY 10548
LANCASTER AVE	KAVANA JAN B L/E/KAVANA SCOTT T & WOLF MARCIA	18 TRAVIS AVE MONTROSE, NY 10548
48 KINGS FERRY RD	STIEGLITZ LARRY & JENNIFER	48 KINGS FERRY RD MONTROSE, NY 10548
VICTORIA AVE	GOLDEN VINCENT C/O PATTERSON	161 CANOPUS HOLLOW RD PUTNAM VALLEY, NY 10579
207 SEWARD ST	REDMOND JOSEPH/WINSLOW-REDMOND ELAINE	207 SEWARD ST BUCHANAN, NY 10511
VLG OF BUCHANAN	CON EDISON CO OF NY	TAX DEPARTMENT 4 IRVING PL, 3RD FLOOR NW NEW YORK, NY 10003
2143 ALBANY POST RD	CORTLANDT ENGINE CO INC	2143 ALBANY POST RD MONTROSE, NY 10548
219 ROCKLEDGE AVE	FOWLER ELAINE	2181 LYNNWOOD DR SCHENECTADY, NY 12309
MONTROSE STATION RD	GMEINER JOHN P & GAIL	5 OAK RD MONTROSE, NY 10548
23 VICTORIA AVE	GOLDEN VINCENT C/O PATTERSON	161 CANOPUS HOLLOW RD PUTNAM VALLEY, NY 10579
28 LENT AVE	BODDIE ALBERT FRANCIS	28 LENT AVE MONTROSE, NY 10548
LAKE ST	CON EDISON CO OF NY	TAX DEPARTMENT 4 IRVING PL, 3RD FLOOR NW NEW YORK, NY 10003
10 LENT AVE	CHARLES GRACE M L/E / CHARLES PAMELA & CARISSA A	MC GUIRE DINA C 10 LENT AVE MONTROSE, NY 10548
9 ORCHARD ST	GALLERY FRANCES	9 ORCHARD ST MONTROSE, NY 10548
22 LANCASTER AVE	SANMARTIN MILTON	22 LANCASTER AVE MONTROSE, NY 10548

SCHEDULE OF REVISIONS				
7				
6				
5 REVISED PER FD COMMENTS: ISSUED FOR REVIEW	A.R.C.	P.J.T.	B	01/16/19
4 REVISED PER COMMENTS	A.R.C.	P.J.T.	B	12/19/18
3 REVISED PER COMMENTS	A.R.C.	P.J.T.	B	12/05/18
2 REVISED PER COMMENTS	A.R.C.	P.J.T.	B	11/20/18
1 ISSUED AS FINAL	A.R.C.	P.J.T.	B	10/17/18
0 ISSUED FOR REVIEW	D.C.	P.J.T.	A	08/10/18
DESCRIPTION OF CHANGES	DRAWN BY	AUTH. BY	ISSUE STATUS	ISSUE DATE

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NEW YORK SMSA LIMITED PARTNERSHIP d/b/a VERIZON WIRELESS
4 CENTEROCK ROAD
WEST NYACK, NY 10994

FPA FRENCH & PARRELLO ASSOCIATES
1800 Route 34, Suite 101 · Wall, New Jersey 07719
t: 732.312.9800 f: 732.312.9801

PETER J. TARDY P.E.
NEW YORK PROFESSIONAL ENGINEER LIC. NO. 089612
DATE:

DRAWING TITLE:
1500' ABUTTERS LIST (1 OF 2)

PROJECT:
ALBANY POST ROAD_SC
2143 ALBANY POST ROAD
MONTROSE, NEW YORK, 10548
WESTCHESTER COUNTY

PROPERTY OWNER:
CORTLANDT ENGINE CO. INC.

DRAWING ISSUE STATUS CURRENTLY – B
A – ISSUED FOR PRELIMINARY INFORMATION ONLY
B – ISSUED FOR MUNICIPAL REVIEWS/APPROVALS
C – ISSUED FOR CONSTRUCTION PERMITS/BIDS
D – ISSUED FOR CONSTRUCTION
E – (SPECIFY)

FIRST ISSUE: 07/31/18	DRAWING NO. SP-7
DRAWN BY: D.C.	
CHECKED BY: P.J.T.	
SCALE: AS SHOWN	SHEET NO. 8 OF 9
PROJECT NO. 9287.020	PRINT DATE: 01/16/19
DOCUMENT NO.	

1500' ABUTTER'S LIST		
PROPERTY ADDRESS	PROPERTY OWNER	OWNER'S ADDRESS
18 TRAVIS AVE	CATERINO NADIA LEE	18 TRAVIS AVE MONTROSE, NY 10548
2160 ALBANY POST RD	PRICE GLENN	26 HENNING DR MONTROSE, NY 10548
28 RAYMOND ST	GILLEO SHARON L	PO BOX 372 28 RAYMOND ST MONTROSE, NY 10548
16 OAK RD	ASFENDIS PAUL E & JULIE	16 OAK RD MONTROSE, NY 10548
19 HARPER AVE	TAMILIO ANTHONY & GRETCHEN	19 HARPER AVE MONTROSE, NY 10548
18 ORCHARD ST	POUSADA MANUEL & NIEVES	18 ORCHARD ST MONTROSE, NY 10548
67 MONTROSE STATION RD	KING RANDALL	PO BOX 770 VERPLANCK, NY 10596
2146 ALBANY POST RD	38 ALBANY POST RD REALTY INC	2146 ALBANY POST RD MONTROSE, NY 10548
17 HUNT AVE	TURNER KEVIN & DONNA	17 HUNT AVE MONTROSE, NY 10548
15 HARPER AVE	BOLAM GEORGE B	15 HARPER AVE MONTROSE, NY 10548
5 VICTORIA AVE	SHAW MATTHEW	5 VICTORIA AVE MONTROSE, NY 10548
23 TRAVIS AVE	EXLEY LUCIA D SANTI & JOHN C/O LORI NANIA	11 KINGS LN MONTROSE, NY 10548
46 MONTROSE STATION RD	JESSUP THERESA L/E / MORRIS RAYMOND	46 MONTROSE STATION RD MONTROSE, NY 10548
2118 ALBANY POST RD	CURINGA ANTHONY J	1833 HAGOOD LOOP THE VILLAGES,FL 32162
197 SEWARD ST	BERNDT WILLIAM M	197 SEWARD ST BUCHANAN, NY 10511
33 KINGS FERRY RD	FERRIS HOLLY M/MOLDOFF KIRK I	33 KINGS FERRY RD MONTROSE, NY 10548
16 TRAVIS AVE	QUIZHPI HILDA/JUAN PABLO	16 TRAVIS AVE MONTROSE, NY 10548
24 ORCHARD ST	RIOS CARLOS S/OCHOA CARMEN G	24 ORCHARD ST MONTROSE, NY 10548
201 SEWARD ST	PERSONICK BENJAMIN	201 SEWARD ST BUCHANAN, NY 10511
2131 ALBANY POST RD	KLARWOOD REALTY CORP	2131 ALBANY POST RD MONTROSE, NY 10548
MONTROSE STATION RD	CORTLANDT ENGINE CO INC	ALBANY POST RD MONTROSE, NY 10548
20 VICTORIA AVE	WALDRON JAMES P & LAURA L	20 VICTORIA AVE MONTROSE, NY 10548
7 HARPER AVE	LEE CHARLES & FRANCINE	7 HARPER AVE MONTROSE, NY 10548
2148 ALBANY POST RD	37 ALBANY POST RD LLC	PO BOX 176 MONTROSE, NY 10548
34 KINGS FERRY RD	MC HALE THERESA M L/E / GAVIN LAURA/MC HALE JOHN	34 KINGS FERRY RD MONTROSE, NY 10548
12 HARPER AVE	HELBOCK MARIA REVOC TRUST/HELBOCK PAUL W/MARIA TRUSTEES	12 HARPER AVE MONTROSE, NY 10548
27 LANCASTER AVE	GORMAN PETER T	27 LANCASTER AVE MONTROSE, NY 10548
19 LANCASTER AVE	RINZIVILLO EMANUEL & GRACE	19 LANCASTER AVE MONTROSE, NY 10548
29 HARPER AVE	TUTTLE FRANCES L/E / TUTTLE JEANNINE LEE	29 HARPER AVE MONTROSE, NY 10548
25 MONTROSE STATION RD	DANAHY BRIAN & JESSICA	25 MONTROSE STATION RD MONTROSE, NY 10548
2167 ALBANY POST RD	DYNAMITE PROPERTIES CORP	86 PAPANIA DR MAHOPAC, NY 10541
3 HUNT AVE	O'BRIEN THOMAS & JULIA	3 HUNT AVE MONTROSE, NY 10548
2113 ALBANY POST RD	TIM COOK INC	PO BOX 351 MONTROSE, NY 10548
2147 ALBANY POST RD	43 ALBANY POST RD LLC	PO BOX 176 MONTROSE, NY 10548
10 JAMES ST	GARCIA-NACKE AMY	10 JAMES ST MONTROSE, NY 10548
28 KINGS FERRY RD	THURSBY CHRISTOPHER/BOAZ JORDAN	28 KINGS FERRY RD MONTROSE, NY 10548
25 VICTORIA AVE	GOLDEN VINCENT	25 VICTORIA AVE MONTROSE, NY 10548
13 OAK RD	CASEY LUCY A CRADDOCK	13 OAK RD MONTROSE, NY 10548
RTE 9	CON EDISON CO OF NY	TAX DEPARTMENT 4 IRVING PL, 3RD FLOOR NW NEW YORK, NY 10003
SEWARD ST	CENTRAL SCHOOL DIST 3	TROLLEY RD MONTROSE, NY 10548
14 TRAVIS AVE	COSENZA LAWRENCE J & DONNA L & LAWRENCE A	14 TRAVIS AVE MONTROSE, NY 10548
6 EMERSON PL	URIBE GALO & JUANA B	6 EMERSON PLACE MONTROSE, NY 10548
20 TROLLEY RD	LOMBARDI RICKEY	20 TROLLEY RD MONTROSE, NY 10548
2151 ALBANY POST RD	2151 ALBANY POST RD LLC	2151 ALBANY POST RD MONTROSE, NY 10548
12 LENT AVE	HECKER EILEEN	12 LENT AVE MONTROSE, NY 10548
2140 ALBANY POST RD	HSBC BANK USA NATIONAL ASSOC	595 HIGHLAND DR LEWISVILLE,TX 75067
14 LANCASTER AVE	O'REILLY BRIAN R & SUSAN M	14 LANCASTER AVE MONTROSE, NY 10548
15 JAMES ST	KUO SERENA CHU-HSUAN & MIN-CHIU	15 JAMES ST MONTROSE, NY 10548
12 WHITE LION DR	DOYLE MICHAEL & ELIZABETH	12 WHITE LION DR MONTROSE, NY 10548
7 KINGS FERRY RD	MONTROSE GROCERY & DELI INC	7 KINGS FERRY ROAD MONTROSE, NY 10548
29 ORCHARD ST	ZEBROWSKI JOSEPH	29 ORCHARD ST MONTROSE, NY 10548
6 ADELE CT	MIGLIORE MICHAEL D & DEBORAH	6 ADELE CT MONTROSE, NY 10548
1 LANCASTER AVE	SCOTT JEFFREY & MANRICK A	1 LANCASTER AVE MONTROSE, NY 10548
14 OAK RD	MOORE THERESE/HOPKINS THOMAS	14 OAK RD MONTROSE, NY 10548
24 HENNING DR	REYNOLDS ROBERT & DEBRA	24 HENNING DR MONTROSE, NY 10548
37 KINGS FERRY RD	BOOTH JAMES W III & TAMIRIS A	37 KINGS FERRY RD MONTROSE, NY 10548
25 TRAVIS AVE	IMM LELAND K & BLIESSE PATRICIA A	25 TRAVIS AVE MONTROSE, NY 10548
5 EMERSON PL	LANE BETTY J	5 EMERSON PLACE MONTROSE, NY 10548
14 RAYMOND ST	DELANEY JAMES & PRISCILLA	14 RAYMOND ST MONTROSE, NY 10548
10 ADELE CT	BILLINGS JOHN & ROSEANN	10 ADELE CT MONTROSE, NY 10548
19 TRAVIS AVE	RIVERA URIEL & ALICE E	19 TRAVIS AVE MONTROSE, NY 10548
2 VICTORIA AVE	VAN DYKE JOAN & CARL	2 VICTORIA AVE MONTROSE, NY 10548

1500' ABUTTER'S LIST		
PROPERTY ADDRESS	PROPERTY OWNER	OWNER'S ADDRESS
3 RAYMOND ST	TREPTOW WAYNE F/ZAWACKI KIMBERLY A	3 RAYMOND ST MONTROSE, NY 10548
2116 ALBANY POST RD	MERINO MILTON/TENE ILTON	2116 ALBANY POST RD MONTROSE, NY 10548
203 SEWARD ST	CHINDANO ELLEN MEREDITH	203 SEWARD ST BUCHANAN, NY 10511
30 KINGS FERRY RD	CARTER DOUGLAS D	30 KINGS FERRY RD MONTROSE, NY 10548
14 VICTORIA AVE	CALABRO MARY L/E / CALABRO BERNARD J ETAL	14 VICTORIA AVE MONTROSE, NY 10548
3100 ALBANY POST RD	ALBANY POST RD PROPERTIES LLC	609 TERRACE PL CORTLANDT MANOR, NY 10567
18 HUNT AVE	DAVIS MARCIA J & JAMES H	18 HUNT AVE MONTROSE, NY 10548
7 ADELE CT	FLANAGAN SHARON	7 ADELE CT MONTROSE, NY 10548
VICTORIA AVE	TIM COOK INC	PO BOX 351 MONTROSE, NY 10548
14 MONTROSE STATION RD	SUESSENBACH FLORENCE	14 MONTROSE STATION RD MONTROSE, NY 10548
20 KINGS FERRY RD	PIGNATARO FRANK JR/LAURA M	20 KINGS FERRY RD MONTROSE, NY 10548
4 TRAVIS LN	HALES ROBERT J	4 TRAVIS LN MONTROSE, NY 10548
24 LENT AVE	SUMERS ELLIOTT	24 LENT AVE MONTROSE, NY 10548
22 HARPER AVE	GIORDANO SAMUEL A	22 HARPER AVE MONTROSE, NY 10548
14 OAK RD	MOORE THERESE/HOPKINS THOMAS	14 OAK RD MONTROSE, NY 10548
19 VICTORIA AVE	KNAPP BRIAN & JOAN MARIE	19 VICTORIA AVE MONTROSE, NY 10548
19 ORCHARD ST	CARBONE ANTOINETTE D	19 ORCHARD ST MONTROSE, NY 10548
2139 ALBANY POST RD	PICCHIANTI JOSEPH	2139 ALBANY POST RD MONTROSE, NY 10548
17 KINGS FERRY RD	WHITE GARY C	17 KINGS FERRY RD MONTROSE, NY 10548
206 SEWARD ST	NEWTON THOMAS J & MARGARETE	206 SEWARD ST BUCHANAN, NY 10511
11 HUNT AVE	PASCALE JOHN A JR & JAMI S	11 HUNT AVE MONTROSE, NY 10548
RTE 9	CON EDISON CO OF NY	TAX DEPARTMENT 4 IRVING PL, 3RD FLOOR NW NEW YORK, NY 10003
14 LENT AVE	ALCOCK DAN/WHELAN MEGAN	14 LENT AVE MONTROSE, NY 10548
7 LENT AVE	PORTER ROBERT & TRINA	7 LENT AVE MONTROSE, NY 10548
1 JAMES ST	DYCKMAN JAN & CONSTANCE	1 JAMES ST MONTROSE, NY 10548
4 LANCASTER AVE	MORAITIS EUSTATHIOS G & PATRICIA A	4 LANCASTER AVE MONTROSE, NY 10548
15 VICTORIA AVE	CUZZI MARGARET & JOSEPH	15 VICTORIA AVE MONTROSE, NY 10548
2157 ALBANY POST RD	OCONNOR DOROTHY M	2157 ALBANY POST RD MONTROSE, NY 10548
2119 ALBANY POST RD	POST ROAD DELI LLC	2119 ALBANY POST RD MONTROSE, NY 10548
9 ADELE CT	DEELY JAMES W & KATHLEEN M	9 ADELE CT MONTROSE, NY 10548
1 HENNING DR	GIORDANO ANTHONY	1 HENNING DR MONTROSE, NY 10548
MONTROSE STATION RD	PICCHIANTI JOSEPH	2139 ALBANY POST ROAD MONTROSE, NY 10548
9 LANCASTER AVE	SARLES DAVID K JR & KATHERINE	9 LANCASTER AVE MONTROSE, NY 10548
11 TRAVIS AVE	BROWN LORETTA T	11 TRAVIS AVE MONTROSE, NY 10548
2129 ALBANY POST RD	DE STEFANO DAVID & EDWARD	2129 ALBANY POST RD MONTROSE, NY 10548
2169 ALBANY POST RD	GUIDA LUIGI	1678 RT 9 GARRISON, NY 10524
4 LENT AVE	THOMAS WILLIAM D & ROBIN H	4 LENT AVE MONTROSE, NY 10548
16 HARPER AVE	CONKLIN LAURA DELUCA	P.O. BOX 239 BUCHANAN, NY 10511
29 VICTORIA AVE	DIMEAS DEMETRIOS & MICHELE	29 VICTORIA AVE MONTROSE, NY 10548
30 LANCASTER AVE	LENT FREDERICK H III & KELLY M	30 LANCASTER AVE MONTROSE, NY 10548
3 RAYMOND ST	TREPTOW WAYNE F/ZAWACKI KIMBERLY A	3 RAYMOND ST MONTROSE, NY 10548
229 ROCKLEDGE AVE	LOSIER ROBERT	57 RIDGEMONT DR HOPEWELL JCT, NY 12533
LAKE ST	HENDRICK HUDSON SCHOOL DIST	61 TROLLEY RD MONTROSE, NY 10548
4 HUNT AVE	PELL ROBERT M & ROBIN A	4 HUNT AVE MONTROSE, NY 10548
63 KINGS FERRY RD	LEE SHEREE	63 KINGS FERRY RD MONTROSE, NY 10548
8 WHITE LION DR	GLAVES JACQUELINE C & LORRAINE	PO BOX 201 CROTON ON HUDSON, NY 10520
12 MONTROSE STATION RD	MAC NEIL ADAM & GENNELLE	12 MONTROSE STATION RD MONTROSE, NY 10548
54 KINGS FERRY RD	SOLOMON LAWRENCE M & SOLOMON MADELON ROSEN	54 KINGS FERRY RD MONTROSE, NY 10548
223 ROCKLEDGE AVE	ROLENZ GREGORY & REBECCA	223 ROCKLEDGE AVE BUCHANAN, NY 10511
21 VICTORIA AVE	FRANGGI JULIO & ADRIANA	21 VICTORIA AVE MONTROSE, NY 10548
SEWARD ST	CENTRAL SCHOOL DIST 3	TROLLEY RD MONTROSE, NY 10548
23 HARPER AVE	FLANNINO JOSEPH M & LISA M	23 HARPER AVE MONTROSE, NY 10548
18 LANCASTER AVE	MCDERMOTT PATRICK K	18 LANCASTER AVE MONTROSE, NY 10548
14 JAMES ST	GURDINEER SELDEN & BEATRICE	14 JAMES ST MONTROSE, NY 10548
21 HARPER AVE	NINE GUSTAVO/FERNANDEZ MONICA	21 HARPER AVE MONTROSE, NY 10548
21 KINGS FERRY RD	CERRETO JOSEPH D & CAROL A	21 KINGS FERRY RD MONTROSE, NY 10548
10 KINGS FERRY RD	CORTLANDT COMMUNITY VOLUNTEER/AMBULANCE CORPS INC	KINGS FERRY RD & ROUTE 9A MONTROSE, NY 10548
2145 ALBANY POST RD	GAS LAND PETROLEUM INC	785 BROADWAY KINGSTON, NY 12401
9 JAMES ST	OUELLETTE PETER J	9 JAMES ST MONTROSE, NY 10548
VLG OF BUCHANAN	CON EDISON CO OF NY	TAX DEPARTMENT 4 IRVING PL, 3RD FLOOR NW NEW YORK, NY 10003
55 MONTROSE STATION RD	BUTLER BERNADETTE M	55 MONTROSE STATION RD MONTROSE, NY 10548
19 HUNT AVE	BORREGO LIZANDRA/RIVERA EUGENIO	19 HUNT AVE MONTROSE, NY 10548

1500' ABUTTER'S LIST		
PROPERTY ADDRESS	PROPERTY OWNER	OWNER'S ADDRESS
17 ORCHARD ST	CARBONE PASQUALE & ANGELA	17 ORCHARD ST MONTROSE, NY 10548
4 COLLEGE HILL RD	DAVIS DOLORES N IRREV TRUST/DAVIS DOLORES N TRUSTEE	P.O. BOX 212 MONTROSE, NY 10548
2144 ALBANY POST RD	PAMLAR CORP	2144 ALBANY POST RD MONTROSE, NY 10548
204 SEWARD ST	PEREZ DAVID & AMANDA	204 SEWARD ST BUCHANAN, NY 10511
2128 ALBANY POST RD	SCARNATI ANTHONY & CAROL	2128 ALBANY POST RD MONTROSE, NY 10548
2121 ALBANY POST RD	CORTLANDT REALTY CORP	PO BOX 34 MONTROSE, NY 10548
18 LENT AVE	MORRIS BEATRICE A	18 LENT AVE MONTROSE, NY 10548
7 JAMES ST	GOMEZ JOSE	7 JAMES ST MONTROSE, NY 10548
25 HUNT AVE	MORRIS SHARLENE A/TIMCOE BARBARA A & MICHAEL	25 HUNT AVE MONTROSE, NY 10548
6 OAK RD	HACKETT MICHAEL	4 OAK RD MONTROSE, NY 10548
21 TRAVIS AVE	GONDA JOHN & WINIFRED	21 TRAVIS AVE MONTROSE, NY 10548
11 ADELE CT	RESTBERGS RAITIS & ARIJA	11 ADELE CT MONTROSE, NY 10548
11 LANCASTER AVE	SCHLUBACH MAXIMILIAN/SARA JO	11 LANCASTER AVE MONTROSE, NY 10548
13 TRAVIS AVE	COHEN SOLO 401K TRUST	13 TRAVIS AVE MONTROSE, NY 10548
25 KINGS FERRY RD	CORDTS ALBERT & KATHERINE	25 KINGS FERRY RD MONTROSE, NY 10548
22 VICTORIA AVE	PAPADOPOLOUS DIMITRIOS & SOPHIA	22 VICTORIA AVE MONTROSE, NY 10548
MONTROSE STATION RD	CORTLANDT RACQUET CLUB INC	2127 ALBANY POST RD MONTROSE, NY 10548
ROCKLEDGE AVE	ALBANY POST RD PROPERTIES LLC	609 TERRACE PLACE CORTLANDT MANOR, NY 10567
RAYMOND ST	CON EDISON CO OF NY	TAX DEPARTMENT 4 IRVING PL, 3RD FLOOR NW NEW YORK, NY 10003
2133 ALBANY POST RD	WEIS JOHN E & JO ANN	2133 ALBANY POST RD MONTROSE, NY 10548
ORCHARD ST	CORTLANDT ENGINE CO INC	ALBANY POST RD MONTROSE, NY 10548
10 HARPER AVE	VANCOL STEVE & MELANIE	10 HARPER AVE MONTROSE, NY 10548
28 HUNT AVE	ROCHE SEAN F & BARBARA J	28 HUNT AVE MONTROSE, NY 10548
2124 ALBANY POST RD	REFORMED CHURCH CORTLANDTOWN AKA DUTCH REFORMED CHURCH	2124 ALBANY POST RD MONTROSE, NY 10548
27 MONTROSE STATION RD	NADLER EDWARD/SCHERER KRISTY	27 MONTROSE STATION RD MONTROSE, NY 10548
15 TROLLEY RD	JACOBSOHN CLARA	117 FURNACE WOODS RD CORTLANDT M ANOR, NY 10567
28 HARPER AVE	HERMAN CHARLES R & KAREN M	28 HARPER AVE MONTROSE, NY 10548
24 KINGS FERRY RD	MERCER MAUREEN	24 KINGS FERRY RD MONTROSE, NY 10548
31 VICTORIA AVE	CALIBER IMPORTS INC	31 VICTORIA AVE MONTROSE, NY 10548
6 JAMES ST	CARUTO RUBY	6 JAMES ST MONTROSE, NY 10548
10 EMERSON PL	RAVOTTI LAURA A/SPRING JOHN	10 EMERSON PL MONTROSE, NY 10548
2154 ALBANY POST RD	CORTLANDT SEPTIC TANK SERV INC	PO BOX 70 MONTROSE, NY 10548
13 KINGS FERRY RD	CORTLANDT REALTY CORP	PO BOX 34 MONTROSE, NY 10548
8 ORCHARD ST	ZOTTOLA SUZANNE	8 ORCHARD ST MONTROSE, NY 10548
3094 ALBANY POST RD	ROMAN CATHOLIC CHURCH OF/ST CHRISTOPHER	3094 ALBANY POST RD BUCHANAN, NY 10511
22 RAYMOND ST	GILBERT RAYMOND J & MELANIE	22 RAYMOND ST MONTROSE, NY 10548
9 EMERSON PL	DI CIOCCIO JOSEPH J L/E/DI CIOCCIO DEBORAH C	9 EMERSON PL MONTROSE, NY 10548
12 ORCHARD ST	CARDONA ROBERTO	12 ORCHARD ST MONTROSE, NY 10548
26 LANCASTER AVE	GINTY JASON & JENNIFER	26 LANCASTER AVE MONTROSE, NY 10548
2135 ALBANY POST RD	MARRICCO MATTIA/GRIFFIN DIANNA	2135 ALBANY POST RD MONTROSE, NY 10548
47 KINGS FERRY RD	ROHR PAUL J & MARY M	47 KINGS FERRY RD MONTROSE, NY 10548
5 LANCASTER AVE	CARANO CROCIFISSO R & BARBARA	5 LANCASTER AVE MONTROSE, NY 10548
OAK RD	CON EDISON CO OF NY	TAX DEPARTMENT 4 IRVING PL, 3RD FLOOR NW NEW YORK, NY 10003
53 KINGS FERRY RD	EDWARDS LORELEI	53 KINGS FERRY RD MONTROSE, NY 10548
12 LANCASTER AVE	TRAVIS HAROLD R III & DORIS M	12 LANCASTER AVE MONTROSE, NY 10548
TRAVIS AVE	BOURGEOIS DAVID A & LUCILLE	3093 FERNCREST DR YORKTOWN HEIGHTS, NY 10598
1 ELLIOTT WAY	N Y CENTRAL R R CO T C/O:PENN CENTRAL CORP	245 PARK AVE-44TH FL NEW YORK, NY 10167
11 LENT AVE	VELARDO MATTEO & RITA	11 LENT AVE MONTROSE, NY 10548
4 OAK RD	HACKETT MICHAEL	4 OAK RD MONTROSE, NY 10548
10 RAYMOND ST	FALCON CATHERINE LANGEVIN	10 RAYMOND ST MONTROSE, NY 10548
8 ADELE CT	MCCARTHY BRIAN M/KAMNA-MCCARTHY COURTNEY	8 ADELE CT MONTROSE, NY 10548
9 MONTROSE STATION RD	CORTLANDT RACQUET CLUB INC	2127 ALBANY POST RD MONTROSE, NY 10548
VICTORIA AVE	CORTLANDT RACQUET CLUB INC	2127 ALBANY POST RD MONTROSE, NY 10548
3102 ALBANY POST RD	ALBANY POST RD PROPERTIES LLC	609 TERRACE PLACE CORTLANDT MANOR, NY 10567
9 HENNING DR	WESTBY CHARLES N/DONNA L	9 HENNING DR MONTROSE, NY 10548
10 WHITE LION DR	MALGADY ROBERT & GERRY	10 WHITE LION DR MONTROSE, NY 10548
14 HUNT AVE	JORDAN JAMES I & FLORENCE	14 HUNT AVE MONTROSE, NY 10548

SCHEDULE OF REVISIONS					
7					
6					
5	REVISED PER FD COMMENTS; ISSUED FOR REVIEW	A.R.C.	P.J.T.	B	01/16/19
4	REVISED PER COMMENTS	A.R.C.	P.J.T.	B	12/19/18
3	REVISED PER COMMENTS	A.R.C.	P.J.T.	B	12/05/18
2	REVISED PER COMMENTS	A.R.C.	P.J.T.	B	11/20/18
1	ISSUED AS FINAL	A.R.C.	P.J.T.	B	10/17/18
0	ISSUED FOR REVIEW	D.C.	P.J.T.	A	08/10/18
	DESCRIPTION OF CHANGES	DRAWN BY	AUTH. BY	ISSUE STATUS	ISSUE DATE

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WEST NYACK, NY 10994

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PETER J. TARDY, P.E.
NEW YORK PROFESSIONAL ENGINEER LIC. NO. 079612

DRAWING TITLE: 1500' ABUTTERS LIST (2 OF 2)

PROJECT: ALBANY POST ROAD_SC
2143 ALBANY POST ROAD
MONTROSE, NEW YORK, 10548
WESTCHESTER COUNTY

PROPERTY OWNER: CORTLANDT ENGINE CO. INC.

DRAWING ISSUE STATUS CURRENTLY – B
A – ISSUED FOR PRELIMINARY INFORMATION ONLY
B – ISSUED FOR MUNICIPAL REVIEWS/APPROVALS
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D – ISSUED FOR CONSTRUCTION
E – (SPECIFY)

FIRST ISSUE: 07/31/18	DRAWING NO. SP-8
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CHECKED BY: P.J.T.	
SCALE: AS SHOWN	SHEET NO. 8 OF 9
PROJECT NO. 9267.020	PRINT DATE: 01/16/19
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