CUDDY +FEDER LLP

445 Hamilton Avenue, 14th Floor
White Plains, New York 10601
T 914 761 1300
F 914 761 5372
cuddyfeder.com

Daniel Patrick
dpatrick@cuddyfeder.com

1/12/2021

BY EMAIL AND OVERNIGHT FEDEX
Chairman Gary Reetz
and Members of the Planning Board
Village of Bronxville
200 Pondfield Rd
Bronxville, NY 10708

Re: New Cingular Wireless PCS, LLC (AT&T)
Special Permit Re-Certifications
Concordia College – 171 White Plains Rd, Bronxville, NY (SBL: 6.-1-1)

Dear Chairman Reetz and Members of the Planning Board:

On behalf of New Cingular Wireless PCS, LLC (AT&T) ("AT&T" or "Applicant"), we respectfully submit this letter and enclosures requesting re-certification of the special permit for AT&T's existing rooftop wireless facility ("Facility") at Feth Hall, Concordia College located at 171 White Plains Rd (SBL: 6.-1-1) ("Premises") in the Village of Bronxville. AT&T's Facility consists of 7 panel antennas located at the centerline height of 58' above grade level (AGL) and related equipment all located behind the stealth screening on the eastern portion of the Feth Hall rooftop at Concordia College. AT&T also maintains equipment within the enclosed compound located on the rooftop of the building behind the existing bulkhead. AT&T is not proposing any additions, modifications, or alterations to the existing Facility at this time. AT&T submits this letter and enclosures in accordance with the Village of Bronxville Code Section 310-42.A(5)(k) which requires re-certification of special permits every five years.

Enclosed as **Exhibit B** are copies of the Village of Bronxville Planning Board Decisions on Application dated January 25, 2016 approving AT&T's existing site layout and re-certifying AT&T's special permit as well as copies of the approved plans (**Exhibit C**) ("2016 Upgrade Plans"). The Applicant also encloses copies of the Facility plans recently submitted to and approved by the Village of Bronxville Building Department in October 2020 for minor modifications (**Exhibit D**) ("2020 Upgrade Plans"). These modifications were approved as evidenced in Building Permit ALT 113-20 which approved AT&T's "like-for-like swap" of existing antennas (**Exhibit E**). AT&T's recent building permit constituted an "eligible facilities request" pursuant to federal law[1] which are modifications to existing wireless facilities that are deemed to not create any "substantial change" to

[1] 47 U.S.C.A. Section 1455(a)(1).

the wireless facility. Eligible facility requests are subject to administrative approval. The 2020 Upgrade Plans confirm that AT&T's Facility did not undergo any significant modifications or changes since this Board approved the 2016 Upgrade Plans and that AT&T continues to maintain its Facility in accordance with the applicable regulations and conditions.

AT&T also provides the FCC Compliance report (**Exhibit F**) which confirms that the Facility, as depicted in the 2016 Upgrade Plans, complies with the FCC Radio Frequency (RF) emissions standards. AT&T respectfully submits that its Facility continues to comply with the FCC RF emissions standards since the Facility has not been subject to substantial change since previously approved.

Also enclosed is a copy of its redacted lease agreement with Concordia College (**Exhibit G**), photographs of the existing facility (**Exhibit H**), AT&T's antenna removal bond (**Exhibit I**), a structural report confirming the existing structure can adequately support AT&T's equipment (**Exhibit J**), and copies of AT&T's FCC licenses (**Exhibit K**).

AT&T respectfully submits that there have been no changes in circumstances and the Facility has been maintained, and continues to be maintained, in accordance with the previously approved special permit and therefore requests that the Planning Board approve AT&T's timely special permit re-certification request. The documents herein confirm that AT&T is in compliance with the terms of the special permit, the requirements of the Village Code, and any applicable state and federal law. The Planning Board shall therefore re-certify AT&T's special permit.[2]

The requested re-certification of AT&T's special permit constitutes a Type II Action under the New York State Environmental Quality Review Act ("SEQRA") as it involves "permit renewals...where there will be no material change in permit conditions or the scope of the permitted activities."[3] Type II Actions do not require further SEQRA review as they have been found categorically to not have significant adverse impacts on the environment.[4]

Materials Enclosed

In support of this re-certification request, please find the below referenced materials enclosed with this letter:

[2] Bronxville Code Section 310-42.A (5)(k)[2].
[3] 6 NYCRR 617.5(c)(32).
[4] 6 NYCRR 617.5(a).

Exhibit A:	Village of Bronxville Application for Wireless Communications Facility Renewal with Indemnification Agreement;
Exhibit B:	Village of Bronxville Planning Board Decision on Application for Docket Numbers 017-15 and 018-15 dated January 25, 2016;
Exhibit C:	Site Plans prepared by NB+C Engineering Services, LLC dated June 12, 2015;
Exhibit D:	Site Plans prepared by Azimuth Engineering Group dated October 9, 2020;
Exhibit E:	Building Permit Number ALT 113-20;
Exhibit F:	FCC Compliance Report prepared by SiteSafe dated December 11, 2015;
Exhibit G:	Redacted Rooftop Lease with Option between AT&T and Concordia College;
Exhibit H:	Photographs of Existing Facility;
Exhibit I:	Tower/Structure/Antenna/Equipment Removal Bond provided by Travelers Casualty and Surety Company of America;
Exhibit J:	Antenna Structural Analysis prepared by Azimuth Engineering Group dated April 28; and
Exhibit K:	AT&T's FCC Licenses.

Two checks made payable to the Village of Bronxville in the amount of $250 (re-certification application fee) and $5000 (escrow deposit) are submitted under separate cover. AT&T requests that the escrow deposit be used on an as needed basis and that any consultant review be limited in scope due to the limited nature of the herein requested re-certification which is simply to assess continued compliance.

The Applicant looks forward to appearing before the Planning Board at its next available meeting for the review of this request. Should the Planning Board or Village staff have any questions in the interim, please feel free to contact the undersigned. Thank you in advance for your consideration.

Very truly yours,

Daniel Patrick

Enclosures

cc: AT&T
Paul Taft, Bronxville Building Inspector
Lucia Chiocchio, Esq. & Jeanene Chambliss, Cuddy & Feder LLP

EXHIBIT A

Village of Bronxville

200 Pondfield Road, Bronxville, NY 10708
Telephone: (914) 337-7338 Fax: (914) 337-0158

Application for Wireless Communication Facility Renewal

FILING FEE: $250 plus $5,000 Consultant Escrow Deposit (Separate Check Required)

Wireless Facility Location:

Facility: Concordia College

Building Name: Feth Hall

Street Address 171 White Plains Rd, Bronxville, NY

Section: 6. Block: 1 Lot: 1

Property Owner Information:

Company Name: Concordia College

Contact: First Name Paul Last Name Schulz Middle Initial

Mailing Address 171 White Plains Rd

City Bronxville State NY Zip 10708 -

Telephone: Office (914) 337-9300 Fax ( )

Email paul.shulz@concordia-ny.edu

Facility Operator Information:

Company Name: New Cingular Wireless PCS, LLC ("AT&T")

Contact: First Name Joseph Last Name Radicella Middle Initial

Mailing Address 1 AT&T Way

City Bedminster State NJ Zip 07921 -

Telephone: Office (908) 768-2922 Fax ( )

Email jr475y@att.com

Village of Bronxville

200 Pondfield Road, Bronxville, NY 10708
Telephone: (914) 337-7338 Fax: (914) 337-0158

Application for Wireless Communication Facility Renewal

Antenna Information: (Submit current photograph all existing antenna arrays 8-1/2" X 11" sheet.)

Manufacturer: Andrew Panel Model Number: SBNHH-1D65A

Antenna Size: Width 11.9 in. Height: 55 in. Depth: 7.1 in.

Total number of antenna(s): _____

Locations of antenna (If antennas are mounted on multiple locations list all locations, number and identify, submit site location sketch showing location of all antenna 8-1/2" X 11" sheet):

Location #1 Behind Screen Wall

Location #2 Behind Screen Wall

Location #3 Behind Screen Wall

Location #4 _____

Additional _____

By signing this application the applicant hereby certifies that the existing wireless telecommunications facility shall be maintained in a safe manner and in compliance with all conditions of the special permit, without exception, unless specifically granted relief by the Village in writing, as well as all applicable and permissible local codes, laws and regulations, including any and all applicable Village, state and federal laws, rules and regulations; and the operation of the wireless telecommunications facility is legally permissible, including but not limited to the fact that the applicant is authorized to do business in the state.

Applicants Signature: Mark Nidle Date 1/11/2021

Applicant Information:

Company Name: New Cingular Wireless PCS, LLC (AT&T)

Contact: First Name Mark Last Name Nidle Middle Initial _____

Mailing Address 1 AT&T Way

City Bedminster State NJ Zip 07921 -

Telephone: Office (908) 768-2922 Fax (_____) _____

Email mn136n@att.com

Village of Bronxville
200 Pondfield Road, Bronxville, NY 10708
Telephone: (914) 337-7338 Fax: (914) 337-0158

Application for Wireless Communication Facility Renewal

Office Use Only							
Date Received	Spec Permit No.	# Antenna	Total Fee				Permit Exp Date

SPECIAL PERMIT CONDITIONS AND INSURANCE REQUIREMENTS

§ 310-42.A(5)(j) Annual NIER Certification.

The holder of the special permit shall, annually, certify to the Village that NIER levels at the site are within the threshold levels adopted by the FCC.

§ 310-42.A(5)(k) Recertification.

[1] During the 12 months prior to each five-year anniversary of the effective date of the special permit, the holder of the special permit shall submit a written application for recertification of the special permit.

[2] Subject to the provisions of [4] below, the Planning Board shall issue a recertification of the special permit if it finds that the holder of the special permit is in compliance with the terms of the special permit, the requirements of this subsection and the requirements of applicable state and federal law. If the recertification process is not complete by such anniversary date, the special permit may be extended for no more than six months. In the event of disapproval of the recertification application, the wireless telecommunications facility shall not be used after the date that the applicant receives written notice of disapproval.

[3] Unless recertified, each special permit and any authorizations granted there under shall terminate as of the last day of the then current term.

[4] Notwithstanding the foregoing, in connection with each recertification, the Planning Board shall consider changes to wireless technology since the date of issuance or last recertification, as applicable, of the special permit and determine whether the special permit should be modified or terminated as a result of such change.

§ 310-42.A(5)(l) Default and/or revocation.

If a wireless telecommunications facility is not in compliance with this chapter or with its special permit, the Planning Board may revoke the special permit in accordance with § 310-40B of this chapter.

§ 310-42.A(5)(m) Removal.

If a special permit for a wireless telecommunications facility shall expire, terminate or be revoked, or if a wireless telecommunications facility is not operated for the provision of wireless telecommunications services for a continuous period of 12 months or more, the holder of the special permit and the owner of the property on which such facility is located shall jointly and severally be obligated to dismantle and remove such facility and all associated structures and facilities from the site and restore the site to as close to its original condition as is possible, within 90 days of receipt of written notice from the Planning Board, or within such shorter time as determined by the Planning Board if the violation causes, creates or presents an imminent danger or threat to the residents of the Village. If the facility is not removed within 90 days after the permit holder and the property owner

have received a removal notice (or such shorter time as the Planning Board may determine), then the Village may order officials or representatives of the Village to remove and dispose of the facility at the sole expense of the special permit holder and such property owner.

§ 310-42.A(5)(n) Compliance.

The special permit holder shall obtain and maintain at all times all required federal and state permits and licenses regarding the wireless telecommunications facility and shall comply with all other relevant state and federal requirements regarding such facility.

§ 310-42.A(5)(m) Application Fee.

A nonrefundable fee shall be payable with each application for a new wireless telecommunications facility and with each application for a modification or renewal in such amount as shall be set by the Board of Trustees.

§ 310-42.A(5)(p) Retention of Experts.

[1] Pursuant to the Professional Consultation Fees Law, Chapter 310, Article X of the Village Code, the Planning Board may hire any consultant and/or expert necessary to assist the Planning Board in reviewing and evaluation any application for the construction of a new or modification of an existing wireless telecommunications facility or the recertification of the special permit for any such facility. The applicant and Board shall comply with all provisions and procedures established under the Professional Consultation Fees Law. [Amended 5-14-2007 by L.L. No. 3-2007]

[2] Each applicant shall deposit with the Village funds sufficient to reimburse the Village for all reasonable costs of consultants and/or experts retained by the Planning Board in connection with the review of any application for the construction of a new or modification of an existing wireless telecommunications facility or the recertification of the special permit for any such facility. The initial deposit shall be $5,000. Any such consultants/experts shall invoice the Village for services in reviewing the application, including the construction and modification of the site, once permitted. If at any time during the process the remaining balance of the deposit shall be less than $1,500, the applicant shall immediately, upon notification by the Planning Board, replenish said deposit so that it has a balance of at least $2,500. Such additional funds shall be deposited with the Village before any further action or consideration is taken on the application. In the event that the deposit amount held by the Village is more than the amount of the actual invoicing at the conclusion of the project, the remaining balance shall be promptly refunded to the applicant.

[3] The total amount of the funds needed as set forth in Subsection A(5)(p)[2] of this section may vary with the scope and complexity of the project, the completeness of the application and the completeness of such submissions of other information as may be required by the Planning Board.

§ 310-42.A(5)(q) Equipment Removal Bond.

Operator to submit a bond acceptable in form to the Village Attorney and in an amount determined by the Planning Board to be sufficient to ensure the safe and timely removal of the wireless telecommunications facility in accordance with the provisions of this subsection, which such bond shall be renewed by the applicant annually thereafter.

Village of Bronxville
200 Pondfield Road, Bronxville, NY 10708
Telephone: (914) 337-7338 Fax: (914) 337-0158

Application for Wireless Communication Facility Renewal

§ 310-42.A(5)(r) Insurance.

A holder of a special permit for a wireless telecommunication facility shall secure and at all times maintain public liability insurance for personal injuries, death and property damage, and umbrella insurance coverage, for the duration of the special permit in amounts as set forth below:

[a] Commercial general liability covering personal injuries, death and property damage: $1,000,000 per occurrence/$2,000,000 aggregate;

[b] Automobile coverage: $1,000,000 per occurrence/$2,000,000 aggregate; and

[c] Workers compensation and disability, statutory amounts.

[2] The commercial general liability insurance policy shall specifically include the Village and its officers, boards, employees, committee members, attorneys, agents and consultants as additional named insureds.

[3] The insurance policies shall be issued by an insurance company licensed to do business in the State of New York and with a Best's rating of at least A.

[4] The insurance policies shall contain an endorsement obligating the insurance company to furnish the Village with at least 30 days' prior written notice in advance of the cancellation of the insurance.

[5] Renewal or replacement policies or certificates shall be delivered to the Village at least 15 days before the expiration of the insurance that such policies are to renew or replace.

[6] Before construction of a permitted wireless telecommunications facility is initiated, but in no case later than 15 days after the grant of the special permit, the holder of the special permit shall deliver to the Village a copy of each of the policies or certificates representing the insurance in the required amounts.

§ 310-42.A(5)(s) Indemnification.

As a condition of approval of any wireless telecommunication facility special permit, the applicant shall file a written statement (Form Blank Attached) with the Village Engineer, by which the wireless telecommunications facility owner agrees to indemnify, hold harmless and defend the Village, its officers and employees against any loss, liability or damage, including expenses and costs, for bodily or personal injury and for property damage sustained by any person as a result of the installation, use and/or maintenance of a wireless telecommunication facility within the Village

Village of Bronxville
200 Pondfield Road, Bronxville, NY 10708
Telephone: (914) 337-7338 Fax: (914) 337-0158

Application for Wireless Communication Facility Renewal

SUBMISSION CHECK LIST

- ✓ Completed signed application form
- ✓ Site plan sketch showing all antenna and equipment locations. 8-1/2" X 11"
- ✓ Signed indemnification agreement. (Form Attached)
- ✓ Current equipment removal bond, amount suitable to cover cost of complete facility removal.
- ✓ Insurance certificate with Village of Bronxville listed as certificate holder and additional insured.
- ✓ Filing fee of $250.00 (non refundable).
- ✓ Escrow deposit of $5,000 for expert fees, unused balance to be refunded upon final action by the Planning Board. (see § 310-42.A(5)(p) Retention of Experts).
- ✓ Copy of signed lease agreement. (Note: If the applicant is not the owner of the property on which the wireless telecommunications facility is proposed to be located, a copy of the signed lease or other agreement pursuant to which the applicant is entitled to utilize such property for such facility, which may have proprietary business terms redacted.)
- ✓ Antenna information including the number, location, size and height of all existing antenna(s) and all appurtenant structures, indicate make, model and manufacturer of the antenna(s). Submit current photograph all existing antenna arrays.
- ✓ Certification bearing the original signature and seal of a professional engineer licensed in the State of New York that the NIER levels at the proposed site are within the threshold levels adopted by the FCC;
- ✓ Certification bearing the original signature and seal of a professional engineer licensed in the State of New York that the proposed antenna(s) will not cause interference with existing communication devices.
- ✓ Certification bearing the original signature and seal of a professional engineer licensed in the State of New York that the wireless telecommunications facility, foundation and attachments are in accordance with original design and have been installed and maintained as required to sustain all anticipated design loads and meet all local, Village, state, and federal structural requirements for loads, including wind and ice loads.
- ✓ Certification bearing the original signature and seal of a professional engineer licensed in the State of New York that the wireless telecommunications facility is effectively grounded and bonded so as to protect persons and property and installed with appropriate surge protectors.
- ✓ Copy of the FCC license applicable for the intended use of the wireless telecommunications facility.

Village of Bronxville
200 Pondfield Road, Bronxville, NY 10708
Telephone: (914) 337-7338 Fax: (914) 337-0158

Application for Wireless Communication Facility Renewal

Indemnification Agreement.

The wireless telecommunications facility owner, by signing this form does to the extent permitted by applicable law, to at all times defend, indemnify, protect, save, hold harmless, and exempt the Village, its officers, boards, employees, committee members, attorneys, agents and consultants from any and all penalties, damages, costs, or charges arising out of any and all claims, suits, demands, causes of action, or award of damages, whether compensatory or punitive, or expenses arising there from, either at law or in equity, which might arise out of, or are caused by, the placement, construction, erection, modification, location, products performance, use, operation, maintenance, repair, installation, replacement, removal, or restoration of said facility; excepting, however, any portion of such claims, suits, demands, causes of action or award of damages as may be attributable to the grossly negligent or intentional acts or omissions of the Village or its servants or agents. With respect to the penalties, damages or charges referenced herein, reasonable attorneys' fee, consultants' fees, and expert witness fees are included in those costs that are recoverable by the Village.

Wireless Telecommunications Facility Owner:

_____

Signature of Applicant: _____ **Date:** 1/11/2021

Company Name: New Cingular Wireless PCS, LLC (AT&T)

Print: First Name Mark Last Name Nidle Middle Initial _____

Facility Location: 171 White Plains Rd (Concordia College - Feth Hall)

EXHIBIT B

STATE OF NEW YORK
VILLAGE OF BRONXVILLE
PLANNING BOARD

In the Matter of:

AT&T Recertification
171 White Plains Rd
Section: 006; Block: 001; Lot: 001
Docket Number: 018-15

DECISION OF APPLICATION
SITE PLAN

An application under Section 310-26 and 310-42.A(5)(k)(1) of the Village Code for site plan and special permit approval Special Permit for a 5 year Re-Certification of the New Cingular Wireless (AT&T) Communication Feth Hall Rooftop Facility. The applicant appeared before the Planning Board on Wednesday, January 13, 2016.

The Planning Board voted to approve the application at the January 13, 2016 meeting. The Board granted approval by a vote of (5) FOR and (0) AGAINST.

Dated: 25 Jan 2016

BRONXVILLE PLANNING BOARD

By: Eric Blessing
Chairman

Filed with the Village Clerk on: _____

_____
Village Clerk

STATE OF NEW YORK
VILLAGE OF BRONXVILLE
PLANNING BOARD

In the Matter of:

AT&T
171 White Plains Rd
Section: 006; Block: 001; Lot: 001
Docket Number: 017-15

DECISION OF APPLICATION
SITE PLAN

An application under Section 310-26 and 310-42(3)(a) of the Village Code for site plan and special permit approval Special Permit for modification of an existing wireless facility on the rooftop of Feth Hall including the replacement of three (3) existing antennas and the addition of (3) remote radio heads on existing unistrut mounts located behind the antennas within the restoration designed facade on the rooftop. The applicant appeared before the Planning Board on Wednesday, January 13, 2016.

The Planning Board voted to approve the application at the January 13, 2016 meeting. The Board granted approval by a vote of (5) FOR and (0) AGAINST.

Dated: 25 Jan 2016

BRONXVILLE PLANNING BOARD

By: Eric Blessing
Chairman

Filed with the Village Clerk on: _____

_____
Village Clerk

EXHIBIT C

FA NUMBER: 10107449 / SITE ID: NYCNNY5617
SITE NAME: EAST CONCORDIA COLLEGE
(LTE 2C/CARRIER ADD PROJECT)

171 WHITE PLAINS ROAD
BRONXVILLE, NY 10708
WESTCHESTER COUNTY

Know what's below. Call before you dig.

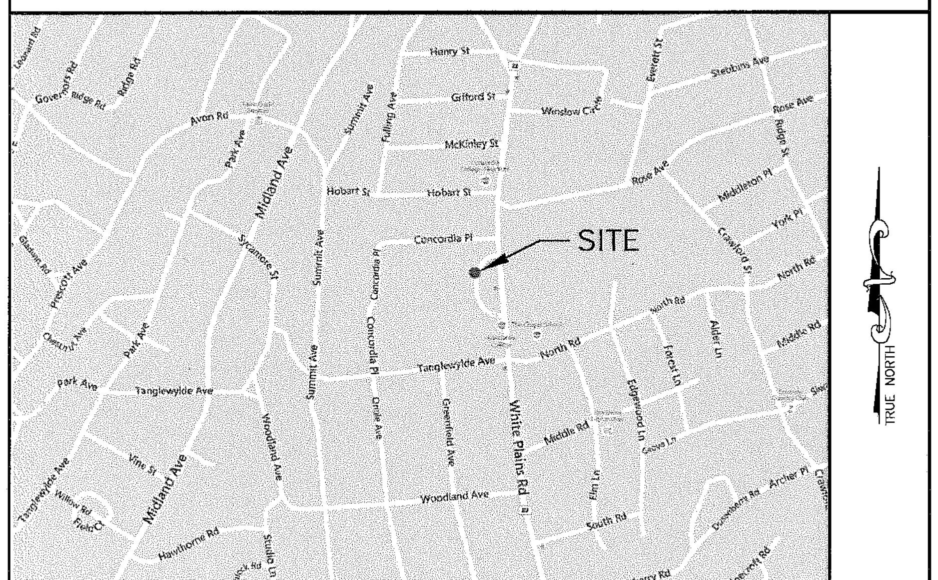
SITE INFORMATION

SITE ADDRESS:	171 WHITE PLAINS ROAD BRONXVILLE, NY 10708
LATITUDE (NAD 83): LONGITUDE (NAD 83):	40.9431806° -73.8212306°
GROUND ELEVATION:	217.4' (AMSL)
JURISDICTION:	VILLAGE OF BRONXVILLE WESTCHESTER COUNTY
PARCEL/MAP NUMBER:	SECTION: 6 BLOCK: 1 LOT: 1
PARCEL OWNER:	CONCORDIA COLLEGE 171 WHITE PLAINS ROAD BRONXVILLE, NY 10708
STRUCTURE TYPE:	ROOFTOP
STRUCTURE HEIGHT:	48.0' (AGL)

PROJECT TEAM

APPLICANT:	AT&T MOBILITY CORPORATION ONE AT&T WAY BEDMINSTER, NJ 07921
PROJECT MANAGEMENT FIRM:	NETWORK BUILDING & CONSULTING, LLC. 1777 SENTRY PARKWAY WEST DUBLIN HALL, SUITE 210 BLUE BELL, PA 19422 (267) 460-0122
ENGINEERING FIRM:	NB&C ENGINEERING SERVICES, LLC. 1777 SENTRY PARKWAY WEST DUBLIN HALL, SUITE 210 BLUE BELL, PA 19422 (267) 460-0122

VICINITY MAP



DIRECTIONS

FROM ONE AT&T WAY, BEDMINSTER, NJ 07921: DEPART AT&T WAY TOWARD US-202 N / US-206 N / US-202/206. BEAR RIGHT ONTO US-202 S / US-206 S / US-202/206. TAKE RAMP RIGHT FOR I-287 SOUTH TOWARD SOMERVILLE / PRINCETON. AT EXIT 21A, TAKE RAMP RIGHT FOR I-78 EAST TOWARD NEW YORK CITY. TAKE RAMP RIGHT FOR I-95 TOWARD MEADOWLANDS SPORTS COMPLEX / GEO WASHINGTON BR / EXITS 15W - 18W. KEEP RIGHT ONTO I-95 N / NEW JERSEY TPKE. AT EXIT 1C, TAKE RAMP RIGHT FOR I-87 NORTH TOWARD ALBANY. AT EXIT 4, TAKE RAMP RIGHT FOR CENTRAL PARK AVE TOWARD CROSS COUNTY PKWY. TAKE RAMP RIGHT FOR CROSS COUNTY PKWY EAST TOWARD HUTCHINSON PKWY. AT EXIT 8, TAKE RAMP RIGHT FOR PARKWAY S TOWARD MOUNT VERNON / NY 22 / N COLUMBUS AVE. TURN LEFT ONTO RT-22 / N COLUMBUS AVE. ARRIVE AT 171 WHITE PLAINS RD, BRONXVILLE, NY 10708.

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND 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 THE LATEST EDITIONS OF THE FOLLOWING CODES.

- 2009 INTERNATIONAL BUILDING CODE (NJ EDITION)
- 2008 NATIONAL ELECTRICAL CODE
- 2009 NFPA 101, LIFE SAFETY CODE
- 2009 IFC
- AMERICAN CONCRETE INSTITUTE
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION
- MANUAL OF STEEL CONSTRUCTION 13TH EDITION
- ANSI/TIA-222-G
- TIA 607
- INSTITUTE FOR ELECTRICAL & ELECTRONICS ENGINEER 81
- IEEE C2 NATIONAL ELECTRIC SAFETY CODE LATEST EDITION
- TELECORDIA GR-1275
- ANSI/T 311

DRAWING INDEX

DO NOT SCALE DRAWINGS

THESE DRAWINGS ARE FORMATTED TO BE FULL-SIZE AT 24"X36". CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE DESIGNER / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR MATERIAL ORDERS OR BE RESPONSIBLE FOR THE SAME. CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICE TO PREVENT STORM WATER POLLUTION DURING CONSTRUCTION.

ENGINEER

TOTALLY COMMITTED.

NB+C ENGINEERING SERVICES, LLC.
1777 SENTRY PARKWAY WEST
DUBLIN HALL, SUITE 210
BLUE BELL, PA 19422
(267) 460-0122

APPLICANT

mobility corp.

SITE INFORMATION

NYCNNY5617
FA# 10107449
EAST CONCORDIA COLLEGE
171 WHITE PLAINS ROAD
BRONXVILLE, NY 10708
WESTCHESTER COUNTY

DESIGN RECORD

REVISIONS

REV	DATE	DESCRIPTION	BY
0	06/12/15	PERMIT READY	JJ
A	03/02/15	PRELIMINARY CDs	MJS

PROFESSIONAL STAMP

STATE OF NEW YORK
PHILIP BURTNER
077087-1
LICENSED PROFESSIONAL ENGINEER

ENGINEER

PHILIP A. BURTNER, P.E.
NY PROFESSIONAL ENGINEER LIC. # 077087-1

IT IS A VIOLATION OF THE LAW FOR ANY PERSON UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER TO ALTER THIS DOCUMENT. UNLESS EXPLICITLY AGREED TO BY THE ENGINEER IN WRITING, THE ENGINEER DISCLAIMS ALL LIABILITY ASSOCIATED WITH THE REUSE, ALTERATION OR MODIFICATION OF THE CONTENTS HEREIN.

SHEET TITLE

TITLE SHEET

SHEET NUMBER

T001.00

ELECTRICAL NOTES

1. SUBMITTAL OF BID INDICATES THAT THE CONTRACTOR IS COGNIZANT OF ALL JOB SITE CONDITIONS AND WORK TO BE PERFORMED UNDER THIS CONTRACT.
2. CONTRACTOR SHALL PERFORM ALL VERIFICATIONS, OBSERVATION TESTS, AND EXAMINATION WORK PRIOR TO ORDERING OF ANY EQUIPMENT AND THE ACTUAL CONSTRUCTION. CONTRACTOR SHALL ISSUE A WRITTEN NOTICE OF ALL FINDINGS TO THE PROJECT MANAGER LISTING ALL MALFUNCTIONS, FAULTY EQUIPMENT AND DISCREPANCIES.
3. VERIFY HEIGHTS WITH PROJECT MANAGER PRIOR TO INSTALLATION.
4. THESE PLANS ARE DIAGRAMMATIC ONLY, FOLLOW AS CLOSELY AS POSSIBLE.
5. CONTRACTOR SHALL COORDINATE ALL WORK BETWEEN TRADES AND ALL OTHER SCHEDULING AND PROVISIONARY CIRCUMSTANCES SURROUNDING THE PROJECT.
6. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, INSTALLATION CONSTRUCTION TOOLS, TRANSPORTATION, ETC., FOR COMPLETE AND FUNCTIONALLY OPERATING SYSTEMS ENERGIZED AND READY FOR USE THROUGHOUT AS INDICATED ON DRAWINGS, AS SPECIFIED HEREIN AND/OR AS OTHERWISE REQUIRED.
7. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND IN PERFECT CONDITION WHEN INSTALLED AND SHALL BE OF THE BEST GRADE AND OF THE SAME MANUFACTURER THROUGHOUT FOR EACH CLASS OR GROUP OF EQUIPMENT. ELECTRICAL MATERIALS SHALL BE LISTED AND APPROVED BY UNDERWRITER'S LABORATORIES AND SHALL BEAR THE INSPECTION LABEL "U" WHERE SUBJECT TO SUCH APPROVAL. MATERIALS SHALL MEET WITH APPROVAL OF ALL GOVERNING BODIES HAVING JURISDICTION OVER THE CONSTRUCTION. MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH ALL CURRENT APPLICABLE STANDARDS ESTABLISHED BY ANSI, NEMA AND NBFU. ALL MATERIALS AND EQUIPMENT SHALL BE APPROVED FOR THEIR INTENDED USE AND LOCATION.
8. ALL WORK SHALL COMPLY WITH ALL APPLICABLE GOVERNING STATE, COUNTY AND CITY CODES AND OSHA, NFPA, NEC & ASHRAE REQUIREMENTS.
9. ENTIRE JOB SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR AFTER THE DATE OF JOB ACCEPTANCE. ALL WORK, MATERIAL AND EQUIPMENT FOUND TO BE FAULTY DURING THAT PERIOD SHALL BE CORRECTED AT ONCE, UPON WRITTEN NOTIFICATION, AT THE EXPENSE OF THE CONTRACTOR.
10. PROPERLY SEAL ALL PENETRATIONS. PROVIDE UL LISTED FIRE-STOPS WHERE PENETRATIONS ARE MADE THROUGH FIRE-RATED ASSEMBLIES. WATER-TIGHT USING SILICONE SEALANT.
11. LOCATE ALL PENETRATIONS SUCH THAT ALL REINFORCEMENT CONTAINED WITHIN THE EXISTING BUILDING CONSTRUCTION REMAINS INTACT AND UNDISTURBED. SUBMIT LOCATING METHOD TO THE PROJECT MANAGER FOR APPROVAL PRIOR TO EXECUTION.
12. DELIVER ALL BROCHURES, OPERATING MANUALS, CATALOGS AND SHOP DRAWINGS TO THE PROJECT MANAGER AT JOB COMPLETION. PROVIDE MAINTENANCE MANUALS FOR MECHANICAL EQUIPMENT. AFFIX MAINTENANCE LABELS TO MECHANICAL EQUIPMENT.
13. ALL CONDUCTORS SHALL BE COPPER. MINIMUM CONDUCTOR SIZE SHALL BE #12 AWG., UNLESS OTHERWISE NOTED. CONDUCTORS SHALL BE TYPE THHW, RATED IN ACCORDANCE WITH NEC 110-14(C).
14. ALL CIRCUIT BREAKERS, FUSES AND ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTING RATING NOT LESS THE MAXIMUM INTERRUPTING CURRENT TO WHICH THEY MAY BE SUBJECTED.
15. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE; ARTICLES 250 & 810 AND THE UTILITY COMPANY STANDARDS.
16. CONDUIT:
    A. RIGID CONDUIT SHALL BE U.L. LABEL GALVANIZED ZINC COATED WITH ZINC INTERIOR AND SHALL BE USED WHEN INSTALLED IN OR UNDER CONCRETE SLABS, IN CONTACT WITH THE EARTH, UNDER PUBLIC ROADWAYS, IN MASONRY WALLS OR EXPOSED ON BUILDING EXTERIOR. RIGID CONDUIT IN CONTACT WITH EARTH SHALL BE 1/2 LAPPED WRAPPED WITH HUNTS WRAP PROCESS NO. 3.
    B. ELECTRICAL METALLIC TUBING SHALL HAVE U.L. LABEL, FITTINGS SHALL BE GLAND RING COMPRESSION TYPE. EMT SHALL BE USED ONLY FOR INTERIOR RUNS.
    C. LIQUID-TIGHT FLEXIBLE METAL CONDUIT SHALL BE U.L. LISTED AND SHALL BE USED AT FINAL CONNECTIONS TO MECHANICAL EQUIPMENT & RECTIFIERS AND WHERE PERMITTED BY CODE. ALL CONDUIT IN EXCESS OF SIX FEET IN LENGTH SHALL CONTAIN A FULL-SIZE GROUND CONDUCTOR.
    D. CONDUIT RUNS SHALL BE SURFACE MOUNTED ON CEILINGS OR WALLS UNLESS NOTED OTHERWISE. ALL CONDUIT SHALL RUN PARALLEL OR PERPENDICULAR TO WALLS, FLOOR, CEILING, OR BEAMS. VERIFY EXACT ROUTING OF ALL EXPOSED CONDUIT WITH THE PROJECT MANAGER PRIOR TO INSTALLING.
    E. PVC CONDUIT MAY BE PROVIDED ONLY WHERE SHOWN, OR IN UNDERGROUND INSTALLATIONS. PROVIDE UV-RESISTANT CONDUIT WHERE EXPOSED TO THE ATMOSPHERE. PROVIDE GROUND CONDUCTOR IN ALL PVC RUNS; EXCEPT WHERE PERMITTED BY CODE TO OMIT.
17. ALL ELECTRICAL EQUIPMENT SHALL BE LABELED WITH PERMANENT ENGRAVED PLASTIC LABELS. BACKGROUND SHALL BE BLACK WITH WHITE LETTERS; EXCEPT AS REQUIRED BY CODE TO FOLLOW A DIFFERENT SCHEME.
18. UPON COMPLETION OF WORK, CONDUCT CONTINUITY, SHORT CIRCUIT, AND FALL OF POTENTIAL GROUNDING TESTS FOR APPROVAL. SUBMIT TEST REPORTS TO PROJECT MANAGER. GROUNDING SYSTEM RESISTANCE SHALL NOT EXCEED 5 OHMS. IF THE RESISTANCE VALUE IS EXCEEDED, NOTIFY THE PROJECT MANAGER FOR FURTHER INSTRUCTION ON METHODS FOR REDUCING THE RESISTANCE VALUE.
19. CLEAN PREMISES OF ALL DEBRIS RESULTING FROM WORK AND LEAVE WORK IN A COMPLETE AND UNDAMAGED CONDITION. LEGALLY DISPOSE OF ALL REMOVED, UNUSED AND EXCESS MATERIAL GENERATED BY THE WORK OF THIS CONTRACT. DELIVER ITEMS INDICATED ON THE DRAWINGS TO THE OWNER IN GOOD CONDITION. OBTAIN SIGNED RECEIPT UPON DELIVERY.
20. COORDINATE WITH UTILITY COMPANY FOR CONNECTION OF TEMPORARY AND PERMANENT POWER TO THE SITE. THE TEMPORARY POWER AND ALL HOOKUP COSTS SHALL BE PAID BY THE CONTRACTOR.
21. VERIFY ALL EXISTING CIRCUITRY PRIOR TO REMOVAL AND NEW WORK. MAINTAIN POWER TO ALL OTHER AREAS & CIRCUITS NOT SCHEDULED FOR REMOVAL.

DIVISION 01000 – GENERAL REQUIREMENTS

PART 1 – GENERAL

1. ALL WORK TO BE PERFORMED BY AT&T CERTIFIED INSTALLATION PERSONNEL. MINIMUM OF TWO MEMBERS PER CREW.
2. REFER TO AT&T STANDARD CONSTRUCTION SPECIFICATIONS. IN CASE OF A CONFLICT, AT&T STANDARD CONSTRUCTION SPECIFICATIONS (LATEST EDITION) SHALL BE FOLLOWED.

PART 2 – GENERAL NOTES

1. THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK. THE WORK PERFORMED ON THE PROJECT AND THE MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES.
2. THE ARCHITECT/ENGINEER HAVE MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. THE CONTRACTOR BIDDING THE JOB IS NEVERTHELESS CAUTIONED THAT MINOR OMISSIONS OR ERRORS IN THE DRAWINGS AND OR SPECIFICATIONS SHALL NOT EXCUSE SAID CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS.
3. THE CONTRACTOR OR BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) AT&T'S REPRESENTATIVE OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF CONTRACTOR'S PROPOSAL OR PERFORMANCE OF WORK.
4. THE SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR AND ALL OTHER MATERIALS AND LABOR DEEMED NECESSARY TO COMPLETE THE WORK/PROJECT AS DESCRIBED HEREIN.
5. THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO THE SUBMISSION OF BIDS OR PERFORMING WORK TO FAMILIARIZE HIMSELF WITH THE FIELD CONDITIONS AND TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONSTRUCTION DRAWINGS.
6. THE CONTRACTOR SHALL OBTAIN AUTHORIZATION TO PROCEED WITH CONSTRUCTION PRIOR TO STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED BY THE CONSTRUCTION DRAWINGS / CONTRACT DOCUMENTS.
7. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO THE MANUFACTURER'S/VENDOR'S SPECIFICATIONS UNLESS NOTED OTHERWISE OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.
8. THE CONTRACTOR SHALL MAINTAIN A FULL SET OF CONSTRUCTION DOCUMENTS AT THE SITE UPDATED WITH THE LATEST REVISIONS AND ADDENDUM'S OR CLARIFICATIONS AVAILABLE FOR THE USE OF ALL PERSONNEL INVOLVED WITH THE PROJECT.
9. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS WHICH MAY BE REQUIRED FOR THE WORK BY THE ARCHITECT/ENGINEER, THE STATE, COUNTY OR LOCAL GOVERNMENT AUTHORITY.
11. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING SITE CONDITIONS DURING CONSTRUCTION. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DUE TO CONSTRUCTION ON OR ABOUT THE PROPERTY.
12. THE CONTRACTOR SHALL KEEP THE GENERAL WORK AREA CLEAN AND HAZARD FREE DURING CONSTRUCTION AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE ALL UNNECESSARY MATERIAL.
13. THE CONTRACTOR SHALL COMPLY WITH ALL PERTINENT SECTIONS OF THE STATE BASIC BUILDING CODE, LATEST EDITION, AND ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY THE ARCHITECT/ENGINEER.
14. THE CONTRACTOR SHALL NOTIFY AT&T'S REPRESENTATIVE WHERE A CONFLICT OCCURS ON ANY OF THE CONTRACT DOCUMENTS. THE CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE WORK THAT IS IN CONFLICT UNTIL THE CONFLICT IS RESOLVED BY AT&T'S REPRESENTATIVE.
15. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC. ON THE JOB.
16. THE CONTRACTOR SHALL NOTIFY THE RF ENGINEER FOR ANTENNA AZIMUTH VERIFICATION (DURING ANTENNA INSTALLATION) PRIOR TO CONDUCTING SITE SWEEPING.
17. THE GENERAL CONTRACTOR SHALL IN ALL INSTANCES CONFORM TO THE SPECIFICATIONS ISSUED BY AT&T.
18. PROVIDE CORE DRILLING AS NECESSARY FOR PENETRATIONS OR RISERS THROUGH THE BUILDING. DO NOT PENETRATE STRUCTURAL MEMBERS WITHOUT STRUCTURAL ENGINEER'S APPROVAL. SLEEVES AND/OR PENETRATIONS IN FIRE RATED CONSTRUCTION SHALL BE PACKED WITH FIRE RATED MATERIAL WHICH SHALL MAINTAIN THE FIRE RATING OF THE STRUCTURE. FILL FOR FLOOR PENETRATIONS SHALL PREVENT PASSAGE OF WATER, SMOKE FIRE AND FUMES. ALL MATERIAL SHALL BE UL APPROVED FOR THIS PURPOSE.

GENERAL PROJECT NOTES:

1. FOR THE PURPOSE OF CONSTRUCTION DRAWINGS, THE FOLLOWING DEFINITIONS SHALL APPLY:
   OWNER – AT&T
   CONTRACTOR – GENERAL CONTRACTOR (CONSTRUCTION)
2. ALL SITE WORK SHALL BE COMPLETED AS INDICATED ON THE DRAWINGS AND PROJECT SPECIFICATIONS.
3. DRAWINGS PROVIDED HERE ARE NOT TO BE SCALED AND ARE INTENDED TO SHOW OUTLINE ONLY. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS AS REQUIRED FOR BID AND CONSTRUCTION.
4. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK.
5. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
6. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHED MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
7. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
8. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY THE CONTRACTOR.
9. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
10. THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO START OF CONSTRUCTION.
11. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK AREA, SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO: FALL PROTECTION, CONFINED SPACE, ELECTRICAL SAFETY AND TRENCHING & EXCAVATION.
12. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, AS DIRECTED BY THE RESPONSIBLE ENGINEER, AND SUBJECT TO THE APPROVAL OF THE OWNER AND/OR LOCAL UTILITIES.
13. THE AREAS OF THE OWNER'S PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION.
14. THE CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
15. THE CONTRACTOR SHALL LEAVE PREMISES IN A CLEAN CONDITION.
16. THE SUBGRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
17. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE TELECOMMUNICATIONS EQUIPMENT.
18. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
19. THE CONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR THE SITE SIGNAGE.
20. THE CONTRACTOR SHALL LEAVE PREMISES IN A CLEAN CONDITIONS.
21. THE CONTRACTOR SHALL DISPOSE OF ANY EQUIPMENT REMOVED AS PART OF THE WORK SHOWN IN THESE DRAWINGS IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REQUIREMENTS. ANTENNAS REMOVED SHALL BE RECYCLED WHERE FEASIBLE BY THE CONTRACTOR.

PROJECT COMPLIANCE NOTES:

1. THE PROPOSED FACILITY WILL BE UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SEWER SERVICE AND IS NOT FOR HUMAN HABITAT. (NO HANDICAP ACCESS IS REQUIRED).
2. OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION, APPROXIMATELY 2 TIMES PER MONTH, BY AT&T TECHNICIANS.
3. NO NOISE, SMOKE, DUST, OR ODOR WILL RESULT FROM THIS PROPOSAL.
4. OUTDOOR STORAGE AND SOLID WASTE CONTAINERS ARE NOT PROPOSED.
5. ALL MATERIAL SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST AT&T SYSTEM GROUNDING STANDARDS. "TECHNICAL SPECIFICATION FOR CONSTRUCTION OF GSM/GPRS WIRELESS SITES", "TECHNICAL SPECIFICATION FOR FACILITY GROUNDING". IN CASE OF A CONFLICT BETWEEN THE CONSTRUCTION SPECIFICATION AND THE DRAWINGS, THE DRAWINGS SHALL GOVERN.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED DURING CONSTRUCTION OPERATION.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS REQUIRED FOR CONSTRUCTION.
8. THE CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.
9. INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM DRAWINGS PROVIDED BY THE APPLICANT REPRESENTATIVE. THE CONTRACTOR SHALL NOTIFY AT&T OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
10. NO ADDITIONAL PARKING IS PROPOSED. EXISTING ACCESS AND PARKING WILL BE USED.
11. NO ADDITIONAL LANDSCAPING IS PROPOSED AT THIS SITE.
12. ALL COAXIAL & FIBER CABLE INSTALLATION TO FOLLOW MANUFACTURER'S INSTRUCTIONS.
13. ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL JURISDICTIONS COVERING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.
14. TRANSMITTER EQUIPMENT AND ANTENNAS ARE DESIGNED TO MEET ANSI/EIA/TIA 222-F REQUIREMENTS.
15. ALL STRUCTURAL ELEMENTS SHALL BE HOT DIPPED GALVANIZED STEEL.
16. CONTRACTOR SHALL MAKE A UTILITY "ONE CALL" TO LOCATE ALL UTILITIES PRIOR TO EXCAVATING.

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NB+C ENGINEERING SERVICES, LLC.
1777 SENTRY PARKWAY WEST
DUBLIN HALL, SUITE 210
BLUE BELL, PA 19422
(267) 460-0122

APPLICANT

at&t
mobility corp.

SITE INFORMATION

NYCNNY5617
FA# 10107449
EAST CONCORDIA COLLEGE
171 WHITE PLAINS ROAD
BRONXVILLE, NY 10708
WESTCHESTER COUNTY

DESIGN RECORD

REVISIONS

REV	DATE	DESCRIPTION	BY
0	06/12/15	PERMIT READY	JJ
A	03/02/15	PRELIMINARY CDs	MJS

PROFESSIONAL STAMP

STATE OF NEW YORK
PHILIP BURTNER
077087-1
LICENSED PROFESSIONAL ENGINEER

ENGINEER

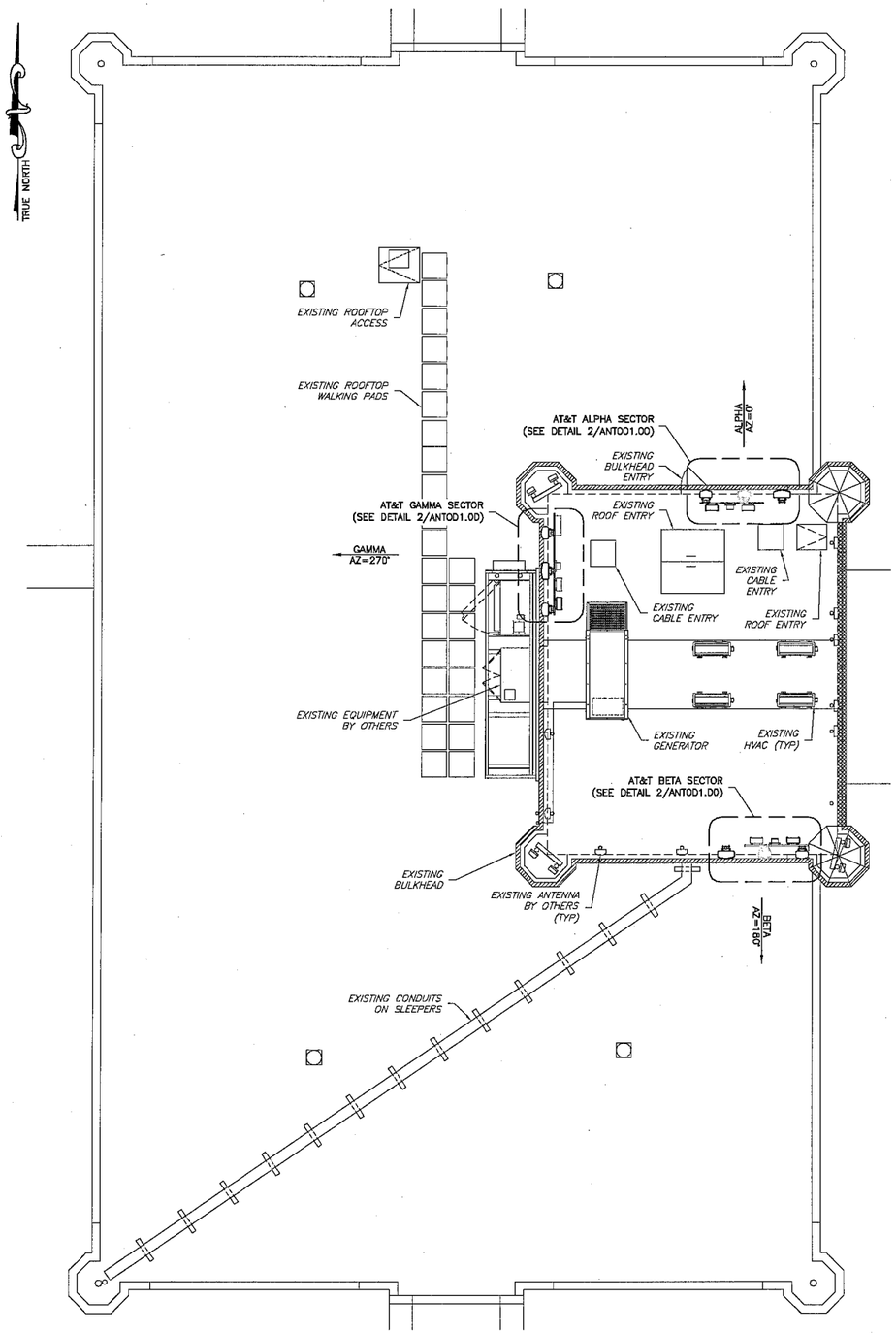
PHILIP A. BURTNER, P.E.
NY PROFESSIONAL ENGINEER LIC.# 077087-1

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

G001.00



1 C-1 ROOFTOP PLAN
SCALE: 1" = 5'

GRAPHIC SCALE
5 0 2.5 5 10 20
(IN FEET)
1 INCH = 5 FEET

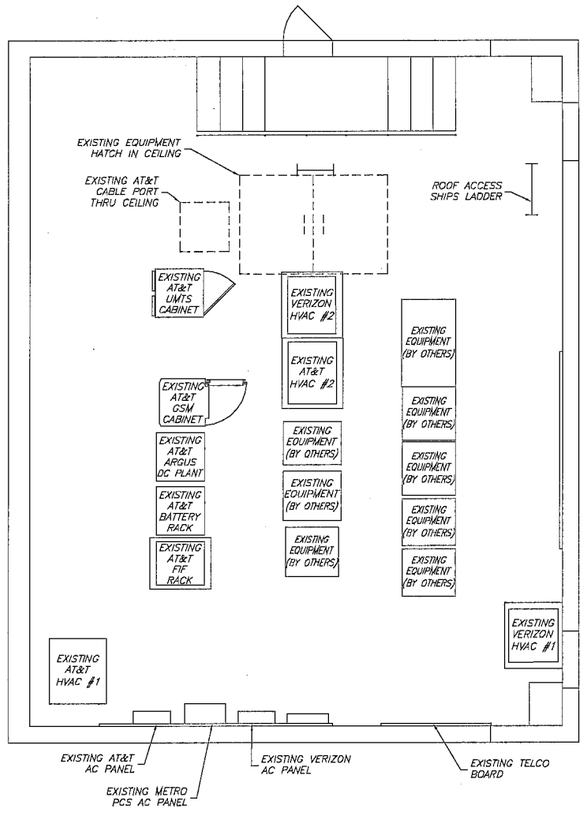
NOTES:

1. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.
2. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. SUBCONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK.
3. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
4. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
5. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
6. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CONTRACTOR.
7. SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING. SUBCONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS AS NECESSARY. SUBCONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR. ROUTING OF TRENCHING SHALL BE APPROVED BY CONTRACTOR.
8. THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
9. SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
10. SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION.
11. ALL CONCRETE REPAIR WORK SHALL BE DONE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE (ACI) 301.
12. ANY NEW CONCRETE NEEDED FOR THE CONSTRUCTION SHALL HAVE 4000 PSI STRENGTH AT 28 DAYS UNLESS OTHERWISE SPECIFIED. ALL CONCRETING WORK SHALL BE DONE IN ACCORDANCE WITH ACI 318 CODE REQUIREMENTS.
13. ALL STRUCTURAL STEEL WORK SHALL BE DONE IN ACCORDANCE WITH AISC SPECIFICATIONS.
14. CONSTRUCTION SHALL COMPLY WITH SPECIFICATION 24782-000-3APS-A00Z-00002, GENERAL CONSTRUCTION SERVICES.
15. SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
16. THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY SUBCONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH CONTRACTOR. ALSO, WORK MAY BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.
17. SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE REQUIRED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.

-48V CONVERTER INFO	
NO. OF REQUIRED CONVERTERS FOR 2C SCOPE	3
NO. OF EXISTING -48V CONVERTERS	3
NO. OF PROPOSED -48V CONVERTERS	0

24V RECTIFIER INFO	
NO. OF REQUIRED 24V RECTIFIERS FOR 2C SCOPE	5
NO. OF EXISTING 24V RECTIFIERS	4
NO. OF PROPOSED 24V RECTIFIERS	1

NOTE:
PROPOSED 20A BREAKER TO REPLACE EXISTING BBU BREAKER



2 C-1 EQUIPMENT LAYOUT
SCALE: 3/8" = 1'

GRAPHIC SCALE
2.67 0 1.33 2.67 6.33 10.67
(IN FEET)
1 INCH = 2.67 FEET

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NB+C ENGINEERING SERVICES, LLC.
1777 SENTRY PARKWAY WEST
DUBLIN HALL, SUITE 219
BLUE BELL, PA 19422
(267) 460-0122

APPLICANT

at&t mobility corp.

SITE INFORMATION

NYCNNY5617
FA# 10107449
EAST CONCORDIA COLLEGE
171 WHITE PLAINS ROAD
BRONXVILLE, NY 10708
WESTCHESTER COUNTY

DESIGN RECORD

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PROFESSIONAL STAMP

ENGINEER

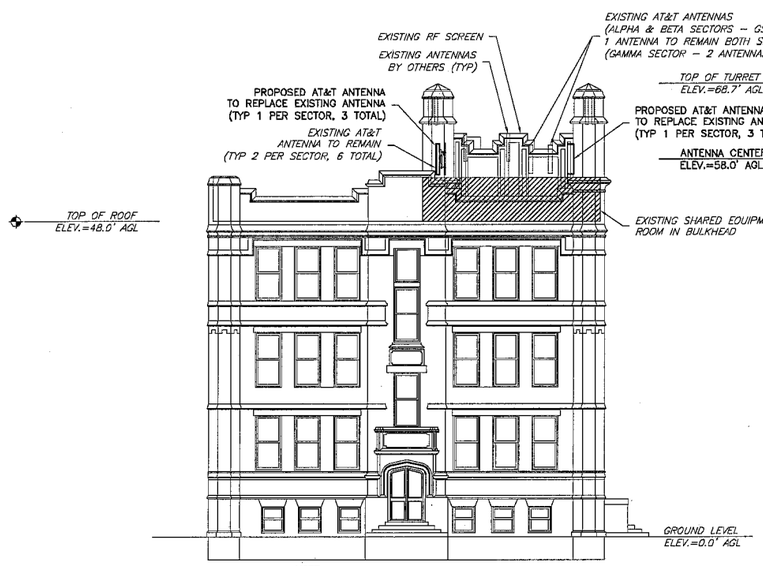
PHILIP A. BURTNER, P.E.
NY PROFESSIONAL ENGINEER LIC. # 077087-1

SHEET TITLE

ROOFTOP PLAN & EQUIPMENT LAYOUT

SHEET NUMBER

C001.00



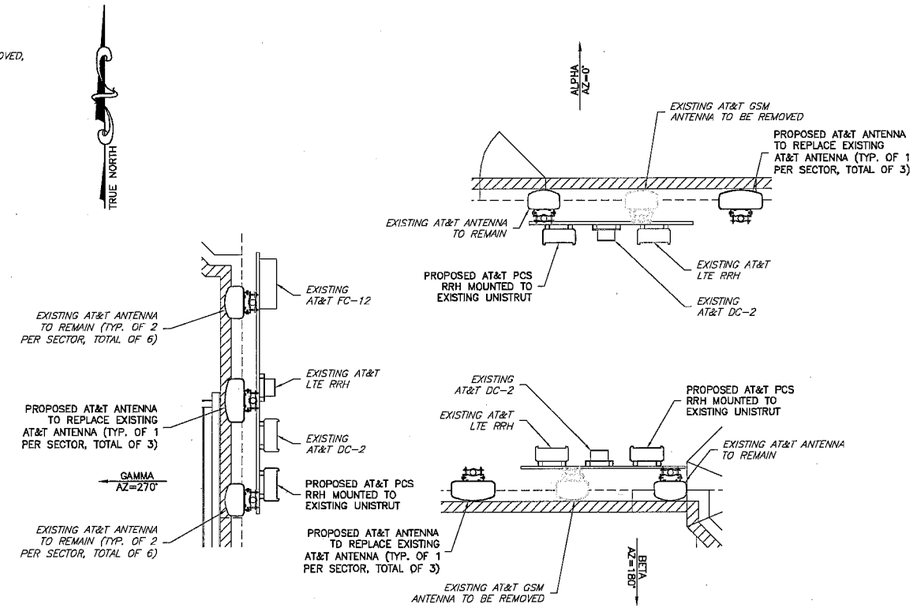
NOTE:
ALL ANTENNAS ARE TO BE INSTALLED BEHIND THE EXISTING RF TRANSPARENT BULKHEAD EXTENSION.

1 A-1 ELEVATION
SCALE: 1" = 10'

GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 INCH = 10 FEET



2 A-1 ANTENNA MOUNTING PLAN
SCALE: NTS

NOTE:
CONTRACTOR SHALL OBTAIN THE RF SHEET PRIOR TO CONSTRUCTION.

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NB+C ENGINEERING SERVICES, LLC.
1777 SENTRY PARKWAY WEST
DUBLIN HALL, SUITE 210
BLUE BELL, PA 19422
(267) 465-6122

APPLICANT

at&t mobility corp.

SITE INFORMATION

NYCNNY5617
FA# 10107449
EAST CONCORDIA COLLEGE
171 WHITE PLAINS ROAD
BRONXVILLE, NY 10708
WESTCHESTER COUNTY

DESIGN RECORD

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A	03/02/15	PRELIMINARY CDs	MJS

PROFESSIONAL STAMP

STATE OF NEW YORK
PHILIP BURTNER
EXCELSIOR
077087-1
LICENSED PROFESSIONAL ENGINEER

ENGINEER

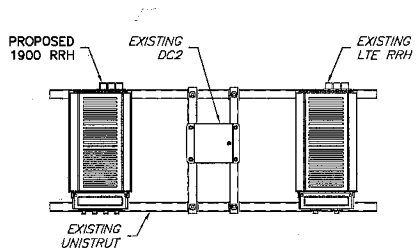
PHILIP A. BURTNER, P.E.
NY PROFESSIONAL ENGINEER LIC. # 077087-1

SHEET TITLE

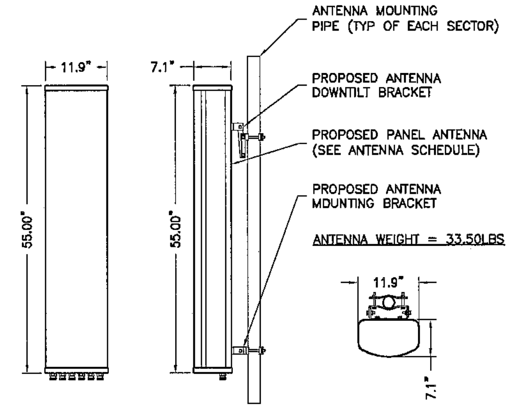
ELEVATION & ANTENNA MOUNTING PLAN

SHEET NUMBER

ANT001.00



1 / A-2 EQUIPMENT MOUNTING DETAIL
NTS



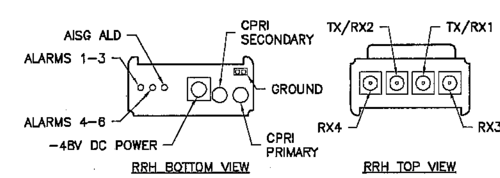
2 / A-2 SBNHH-1D65A ANTENNA DETAIL
NTS

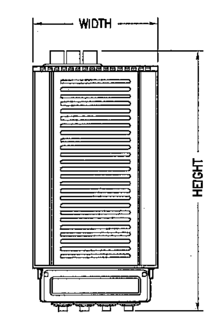
GENERAL ANTENNA NOTES

1. ALL ANTENNAS TO BE FURNISHED WITH DOWNTILT BRACKETS. CONTRACTOR TO COORDINATE REQUIRED MECHANICAL DOWNTILT FOR EACH ANTENNA WITH RF ENGINEER.
2. ANTENNA CENTERLINE HEIGHT IS IN REFERENCE TO ELEVATION 0.0'.
3. CHECK WITH RF ENGINEER FOR LATEST ANTENNA TYPE & AZIMUTH.
4. CONTRACTOR SHALL VERIFY ANTENNA TYPE AND AZIMUTH WITH CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION.
5. ALL CABLE LENGTHS ARE ESTIMATED AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
6. COLOR TAPE MARKINGS MUST BE 3/4" WIDE AND UV RESISTANT, SUCH AS SCOTCH 35 VINYL ELECTRICAL COLOR CODING TAPE.
7. CONTRACTOR SHALL COORDINATE COLOR CODINGS IN THE FIELD WITH AT&T REPRESENTATIVE.
8. PRIOR TO THE INSTALLATION OF THE PROPOSED EQUIPMENT OR MODIFICATION OF THE EXISTING STRUCTURE, A STRUCTURAL ANALYSIS SHALL BE PERFORMED BY THE OWNER'S AGENT TO CERTIFY THAT THE EXISTING/PROPOSED COMMUNICATION STRUCTURE AND COMPONENTS ARE STRUCTURALLY ADEQUATE TO SUPPORT ALL EXISTING AND PROPOSED ANTENNAS, COAXIAL CABLES AND OTHER APPURTENANCES. THE OWNER'S AGENT SHALL FURNISH A CERTIFICATION LETTER SEALED BY A REGISTERED PROFESSIONAL ENGINEER STATING THAT THIS STRUCTURAL ANALYSIS WAS PREPARED IN ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS.

SINGLE FIBER 7MM/0.28"
USE GROMMET ROSENBERGER: CX603-HA0711 ANT: 13854 WITH 7/8" SNAPSTACK SNAP-INS
SINGLE PAIR DC POWER 15.4MM/0.61"
USE GROMMET ROSENBERGER: CX604-HA1117 ANT: 13853 WITH 7/8" SNAPSTACK SNAP-INS

ANTENNA AND RRH SCHEDULE					
SECTOR	ANTENNA MODEL	TECHNOLOGY	AZIMUTH	ANTENNA HEIGHT	RRUS TYPE/MODEL
ALPHA	EXISTING ANTENNA TO REMAIN	UMTS	0°	58'±	N/A
	EXISTING GSM ANTENNA TO BE REMOVED	GSM	0°	58'±	N/A
	SBNHH-1D65A	LTE/GSM	0°	58'±	(1) RRH2x40W-07L, (1) RRH2x60-1900A-4R
BETA	EXISTING ANTENNA TO REMAIN	UMTS	180°	58'±	N/A
	EXISTING GSM ANTENNA TO BE REMOVED	GSM	180°	58'±	N/A
	SBNHH-1D65A	LTE/GSM	180°	58'±	(1) RRH2x40W-07L, (1) RRH2x60-1900A-4R
GAMMA	EXISTING ANTENNA TO REMAIN	UMTS	270°	58'±	N/A
	SBNHH-1D65A	LTE	270°	58'±	(1) RRH2x40W-07L, (1) RRH2x60-1900A-4R
	EXISTING ANTENNA TO REMAIN	GSM	270°	58'±	N/A





SIZE AND WEIGHT TABLE

RRH	WIDTH	DEPTH	HEIGHT W/O CABLE MANAGEMENT COVER	WEIGHT W/O BRACKET
RRH2X60-1900A-4R	11.2"	7.6"	20.1"	46.2 LBS

NOTE:
DIMENSIONS INCLUDE MOUNTING BRACKET, SOLAR SHIELD AND CONNECTORS.

3 / A-2 ALU REMOTE RADIO HEAD (RRH)
NTS

ENGINEER
NB+C TOTALLY COMMITTED.
NB+C ENGINEERING SERVICES, LLC.
1777 SENTRY PARKWAY WEST
DUBLIN HALL, SUITE 210
BLUE BELL, PA 19422
(267) 460-0122

APPLICANT
at&t mobility corp.

SITE INFORMATION
NYCNNY5617
FA# 10107449
EAST CONCORDIA COLLEGE
171 WHITE PLAINS ROAD
BRONXVILLE, NY 10708
WESTCHESTER COUNTY

DESIGN RECORD

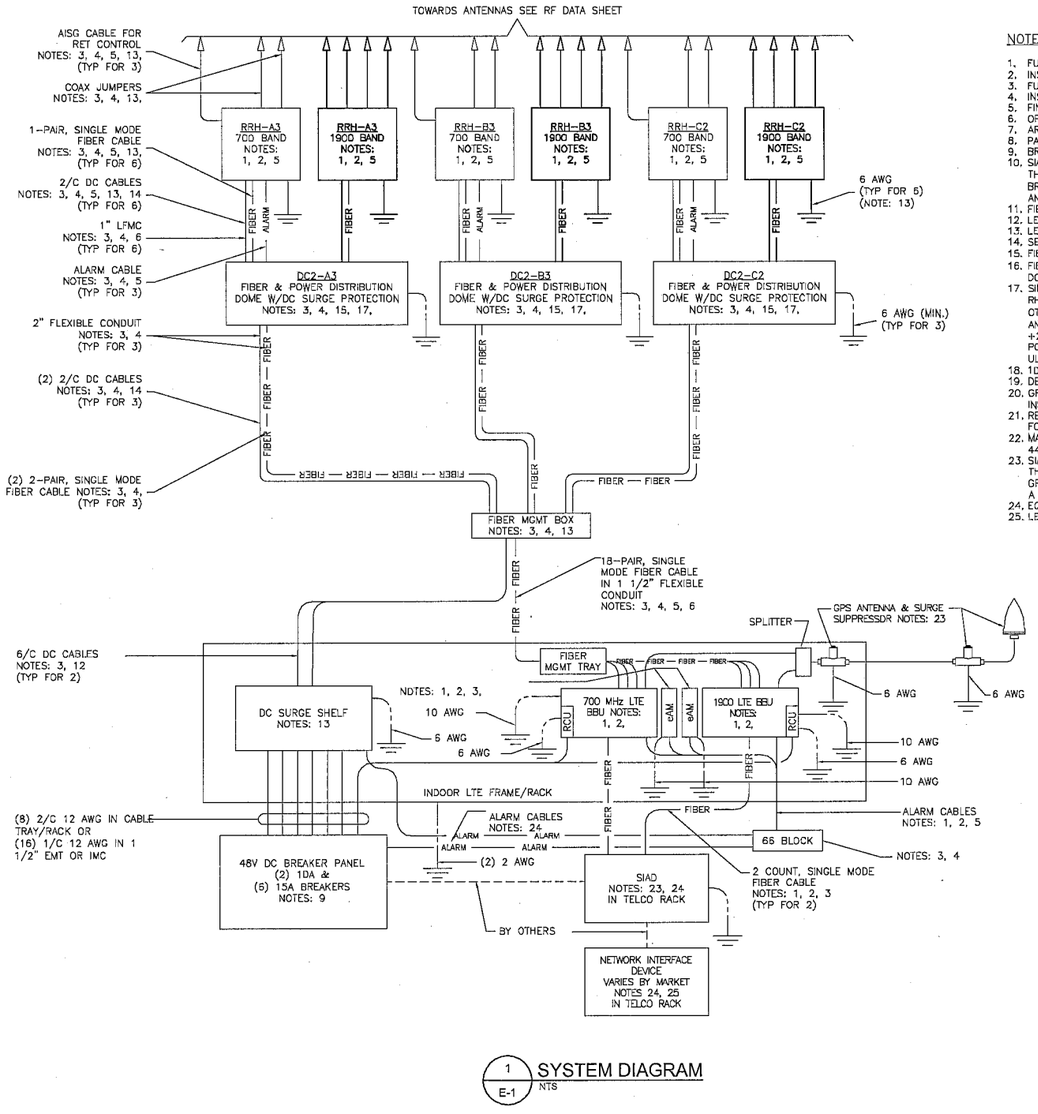
REVISIONS			
REV	DATE	DESCRIPTION	BY
0	06/12/15	PERMIT READY	JJ
A	03/02/15	PRELIMINARY CDs	MJS

PROFESSIONAL STAMP
STATE OF NEW YORK · PHILIP BURTNER · 077087-1 · LICENSED PROFESSIONAL ENGINEER

ENGINEER
PHILIP A. BURTNER, P.E.
NY PROFESSIONAL ENGINEER LIC. # 077087-1

SHEET TITLE
DETAILS AND ANTENNA SCHEDULE

SHEET NUMBER
ANT002.00



1 / E-1 SYSTEM DIAGRAM
NTS

NOTES:

1. FURNISHED BY OEM/AT&T.
2. INSTALLED BY OEM OR AS SCOPED BY MARKET.
3. FURNISHED BY OTHERS
4. INSTALLED BY OTHERS
5. FINAL CONNECTION BY OEM OR AS SCOPED BY MARKET.
6. OPEN END OF LFMC TO BE LEFT WEATHERPROOFED UNTIL TERMINATED.
7. ARGUS 053-997-20-000 DUAL FEED DC-DC CONVERTER WITH 012-526-20-040 MODULES.
8. PART OF CONVERTER WITH 18 BREAKER POSITIONS. BREAKERS SPECIFIED SOLD SEPERATELY.
9. BREAKERS TO BE TAGGED AND LOCKED OUT.
10. SIAD IS FURNISHED AND INSTALLED BY OTHERS AND INCLUDES POWER CONNECTIONS AND FIBER TO THE UNIT OR AS SCOPED BY MARKET. INSTALL 10 AWG CHASSIS GROUND. PROVIDE (2) 10A BREAKERS FROM A 24V DC POWER SOURCE OR (2) 5A BREAKERS FRDM A 48V DC POWER SOURCE AND CONNECT USING MFR POWER CABLE WITH SPECIAL CONNECTOR.
11. FIBER MANAGEMENT BOX IS RAYCAP MODEL FB-15-BOX.
12. LEC TO FURNISH AND INSTALL NETWORK INTERFACE DEVICE.
13. LEAVE COILED AND PROTECTED UNTIL TERMINATED.
14. SEE DETAIL 1408 FOR DC POWER CABLE SIZES.
15. FIBER AND POWER DISTRIBUTION BOX 4/48V SURGE SHALL BE RAYCAP MODEL DC6-48-60-18-8F.
16. FIBER AND POWER DISTRIBUTION W/DC SURGE PROTECTION BOX SHALL BE RAYCAP MODEL DC6-48-60-18-D1. SEE DETAIL 1466 FOR INTERNAL WIRING DIAGRAM.
17. SINGLE-CONDUCTOR DC POWER CABLES SHALL BE TELCOFLEX OR KS24194, COPPER, UL LISTED RHH NON-HALOGEN, LOW SMOKE WITH BRAIDED COVER, TYPE TC (1/0 AND LARGER). UNLESS OTHERWISE NOTED, STRANDING SHALL BE CLASS B (TYPE III) FOR CABLES SIZES 14, 12 & 10 AWG AND CLASS 1 (TYPE IV) FOR SIZES 8 AWG AND LARGER. CABLES SHALL BE COLOR CODED RED FOR +24V, BLUE FOR -48V AND GRAY FOR 24V AND 48V RETURN CONDUCTORS. MULTI-CONDUCTOR DC POWER CABLES SHALL COPPER, CLASS B STRANDED WITH FLAME RETARDANT PVC JACKET, TYPE TC, UL LISTED FOR 90°C DRY/ 75°C WET INSTALLATION.
18. 10A FUSE FOR HEAT EXCHANGER FURNISHED AND INSTALLED BY OTHERS.
19. DELETED
20. GROUNDING WIRES SHALL BE COPPER, GREEN THHN/THWN UL LISTED FOR 90°C DRY/75°C WET INSTALLATION. MINIMUM SIZE IS 6 AWG UNLESS NOTED OTHERWISE.
21. RET CONTROL FROM THE RRH IS AN OPTIONAL METHOD OF CONNECTION. REFER TO RF DATA SHEET FOR APPLICABILITY.
22. MAXIMUM 4/0 AWG CABLE LENGTH FROM 24V DC POWER PLANT TO CONVERTER SHALL NOT EXCEED 44 FT.
23. SIAD IS FURNISHED AND INSTALLED BY OTHERS AND INCLUDES POWER CONNECTIONS AND FIBER TO THE UNIT OR AS SCOPED BY MARKET. WHEN IN BECHTEL SCOPE, INSTALL 10 AWG CHASSIS GROUND. PROVIDE (2) 10A BREAKERS FROM A 24V DC POWER SOURCE OR (2) 5A BREAKERS FROM A 48V DC POWER SOURCE AND CONNECT USING MFR POWER CABLE WITH SPECIAL CONNECTOR.
24. EQUIPMENT LOCATED ON EXISTING TELCO RACK.
25. LEC TO FURNISH AND INSTALL NETWORK INTERFACE DEVICE.

LTE SYSTEM DIAGRAM, ROOFTOP/TOWER SITE WITH INDOOR ALU BASEBAND AND RRHs ON ROOF/TOWER

ENGINEER

NB+C™
TOTALLY COMMITTED.
NB+C ENGINEERING SERVICES, LLC.
1777 SENTRY PARKWAY WEST
DUBLIN HALL, SUITE 210
BLUE BELL, PA 19422
(267) 460-0122

APPLICANT

at&t mobility corp.

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BRONXVILLE, NY 10708
WESTCHESTER COUNTY

DESIGN RECORD

REVISIONS

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A	03/02/15	PRELIMINARY CDs	MJS

PROFESSIONAL STAMP

STATE OF NEW YORK
PHILIP BURTNER
077087-1
LICENSED PROFESSIONAL ENGINEER

ENGINEER

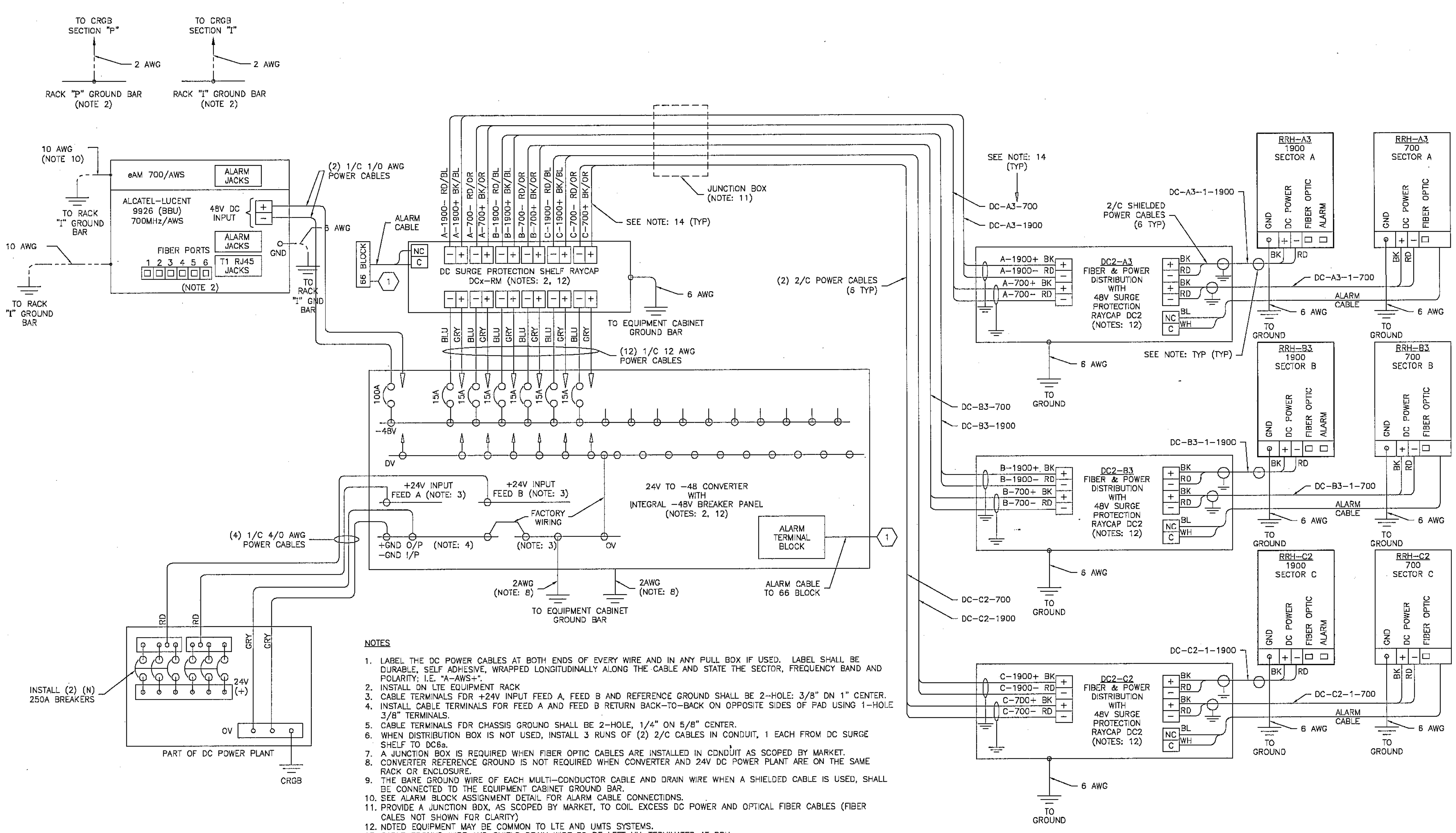
PHILIP A. BURTNER, P.E.
NY PROFESSIONAL ENGINEER LIC. # 077087-1

SHEET TITLE

SYSTEM DIAGRAM

SHEET NUMBER

E001.00



NOTES

1. LABEL THE DC POWER CABLES AT BOTH ENDS OF EVERY WIRE AND IN ANY PULL BOX IF USED. LABEL SHALL BE DURABLE, SELF ADHESIVE, WRAPPED LONGITUDINALLY ALONG THE CABLE AND STATE THE SECTOR, FREQUENCY BAND AND POLARITY; I.E. "A-AWS+".
2. INSTALL ON LTE EQUIPMENT RACK
3. CABLE TERMINALS FOR +24V INPUT FEED A, FEED B AND REFERENCE GROUND SHALL BE 2-HOLE: 3/8" ON 1" CENTER.
4. INSTALL CABLE TERMINALS FOR FEED A AND FEED B RETURN BACK-TO-BACK ON OPPOSITE SIDES OF PAD USING 1-HOLE 3/8" TERMINALS.
5. CABLE TERMINALS FOR CHASSIS GROUND SHALL BE 2-HOLE, 1/4" ON 5/8" CENTER.
6. WHEN DISTRIBUTION BOX IS NOT USED, INSTALL 3 RUNS OF (2) 2/C CABLES IN CONDUIT, 1 EACH FROM DC SURGE SHELF TO DC6s.
7. A JUNCTION BOX IS REQUIRED WHEN FIBER OPTIC CABLES ARE INSTALLED IN CONDUIT AS SCOPED BY MARKET.
8. CONVERTER REFERENCE GROUND IS NOT REQUIRED WHEN CONVERTER AND 24V DC POWER PLANT ARE ON THE SAME RACK OR ENCLOSURE.
9. THE BARE GROUND WIRE OF EACH MULTI-CONDUCTOR CABLE AND DRAIN WIRE WHEN A SHIELDED CABLE IS USED, SHALL BE CONNECTED TO THE EQUIPMENT CABINET GROUND BAR.
10. SEE ALARM BLOCK ASSIGNMENT DETAIL FOR ALARM CABLE CONNECTIONS.
11. PROVIDE A JUNCTION BOX, AS SCOPED BY MARKET, TO COIL EXCESS DC POWER AND OPTICAL FIBER CABLES (FIBER CALES NOT SHOWN FOR CLARITY)
12. NOTED EQUIPMENT MAY BE COMMON TO LTE AND UMTS SYSTEMS.
13. CABLE GROUND WIRE AND SHIELD DRAIN WIRE TO BE LEFT UN-TERMINATED AT RRH.
14. WHEN A 1900 RRH IS USED INSTEAD OF AN AWS RRH CABLE, LABELS SHOULD REFLECT CORRECT FREQUENCY BAND.

1 / E-2 WIRING DIAGRAM
NTS

ENGINEER

NB+C TOTALLY COMMITTED.

NB+C ENGINEERING SERVICES, LLC.
1777 SENTRY PARKWAY WEST
DUBLIN HALL, SUITE 210
BLUE BELL, PA 19422
(267) 460-0122

APPLICANT

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SITE INFORMATION

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WESTCHESTER COUNTY

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PROFESSIONAL STAMP

STATE OF NEW YORK PHILIP BURTNER 077087-1 LICENSED PROFESSIONAL ENGINEER

ENGINEER

PHILIP A. BURTNER, P.E.
NY PROFESSIONAL ENGINEER LIC. # 077087-1

SHEET TITLE

WIRING DIAGRAM

SHEET NUMBER

E002.00

CABLE LABELING NOTES:

1. CABLE PORT DIAGRAM ONLY REQUIRED FOR SHELTER SITES.
2. SUBCONTRACTOR SHALL FILL OUT CABLE PORT DIAGRAM UPON INSTALLATION. CABLE PORT DIAGRAM WILL BE AFFIXED TO THE INTERIOR SHELTER WALL NEAR THE CABLE ENTRY PORT TO AID IN CABLE IDENTIFICATION. THE CHART IS INTENDED TO BE USED TO RECORD THE LINE AND CORRESPONDING ANTENNA POSITION ON THE TOWER AT TIME OF INSTALLATION.
3. (1) COMPLETED COPY PLUS (2) BLANK COPIES OF THE CHART SHOULD BE POSTED IN THE SHELTER IN A PROTECTIVE PLASTIC SLEEVE.
4. SWEEP TEST EACH JUMPER AND DOCUMENT THE TEST IN ACCORDANCE WITH PROJECT PROCEDURES.

CABLE COLOR CODING NOTES:

1. SECTOR ORIENTATION/AZIMUTH WILL VARY FROM REGION AND IS SITE SPECIFIC. REFER TO RF REPORT FOR EACH SITE TO DETERMINE THE ANTENNA LOCATION AND FUNCTION OF EACH TOWER SECTOR FACE.
2. THE ANTENNA SYSTEM CABLES SHALL BE LABELED WITH VINYL TAPE EXCEPT IN LOCATIONS WHERE ENVIRONMENTAL CONDITIONS CAUSE PHYSICAL DAMAGE, THEN PHYSICAL TAGS ARE PREFERRED.
3. THE STANDARD IS BASED ON EIGHT COLORED TAPES – RED, BLUE, GREEN, YELLOW, ORANGE, BROWN, WHITE & VIOLET. THESE TAPES MUST BE 3/4" WIDE & UV RESISTANT SUCH AS SCOTCH 35 VINYL ELECTRICAL COLOR CODING TAPE AND SHOULD BE READILY AVAILABLE TO THE ELECTRICIAN OR SUBCONTRACTOR ON SITE.
4. USING COLOR BANDS ON THE CABLES, MARK ALL RF CABLES BY SECTOR AND NUMBER AS SHOWN ON "CABLE MARKING COLOR CONVENTION TABLE".
5. WHEN AN EXISTING COAXIAL LINE THAT IS INTENDED TO BE A SHARED LINE BETWEEN GSM/3G AND IS–136 TDMA IS ENCOUNTERED, THE SUBCONTRACTOR SHALL REMOVE THE EXISTING COLOR CODING SCHEME AND REPLACE IT WITH THE COLOR CODING AND TAGGING STANDARD THAT IS OUTLINED IN THE CURRENT VERSION OF NO–00027. IN THE ABSENCE OF AN EXISTING COLOR CODING TAGGING SCHEME, OR WHEN INSTALLING PROPOSED COAXIAL CABLES, THIS GUIDELINE SHALL BE IMPLEMENTED AT THAT SITE REGARDLESS OF TECHNOLOGY.
6. ALL COLOR CODE TAPE SHALL BE 3M–35 AND SHALL BE A MINIMUM OR (3) WRAPS OF TAPE AND SHALL BE NEATLY TRIMMED AND SMOOTHED OUT SO AS TO AVOID UNRAVELING.
7. ALL COLOR BANDS INSTALLED AT THE TOP OF TOWER SHALL BE A MINIMUM OF 3" WIDE AND SHALL HAVE A MINIMUM OF 3/4" OF SPACE IN BETWEEN EACH COLOR.
8. ALL COLOR CODES SHALL BE INSTALLED AS TO ALIGN NEATLY WITH ONE ANOTHER FROM SIDE TO SIDE.
9. IF EXISTING CABLES AT THE SITE ALREADY HAVE A COLOR CODING SCHEME AND THEY ARE NOT INTENDED TO BE REUSED OR SHARED WITH THE GSM TECHNOLOGY, THE EXISTING COLOR CODING SCHEME SHALL REMAIN UNTOUCHED.

CABLE MARKING TAGS:

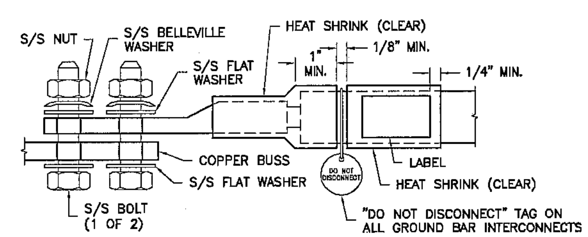
WHEN USING THE ALTERNATIVE LABELING METHOD, EACH RF CABLE SHALL BE IDENTIFIED WITH A METAL ID TAG MADE OF STAINLESS STEEL OR BRASS. THE TAG SHALL BE 1–1/2" IN DIAMETER WITH 1/4" STAMPED LETTERS AND NUMBERS INDICATION THE SECTOR, ANTENNA POSITION AND CABLE NUMBER. ID MARKING LOCATIONS SHOULD BE AS PER "CABLE MARKING LOCATIONS TABLE". THE TAG SHOULD BE ATTACHED WITH CORROSION PROOF WIRE AROUND THE CABLE AT THE SAME LOCATION AS DEFINED ABOVE. THE TAG SHOULD BE LABELED AS SHOWN ON THE "GSM AND UMTS LINE TAG" DETAIL.

CABLE MARKING LOCATIONS TABLE

NO.	LOCATIONS
1	EACH JUMPER SHALL BE COLOR CODED WITH (1) SET OF 3" WIDE BANDS.
2	EACH MAIN COAX SHALL BE COLOR CODED WITH (1) SET OF 3" WIDE BANDS AT THE TOP JUMPER CONNECTION AND WITH (1) SET OF 3/4" WIDE COLOR BANDS PRIOR TO ENTERING THE BTS OR SHELTER.
3	CABLE ENTRY PORT ON THE INTERIOR OF SHELTER.
4	ALL BOTTOM JUMPERS SHALL BE COLOR CODED WITH (1) SET OF 3/4" WIDE BANDS ON EACH END OF THE BOTTOM JUMPER.
5	ALL BOTTOM JUMPERS SHALL BE COLOR CODED WITH (1) SET OF 3/4" WIDE BANDS ON EACH END OF THE BOTTOM JUMPER.

GROUNDING NOTES:

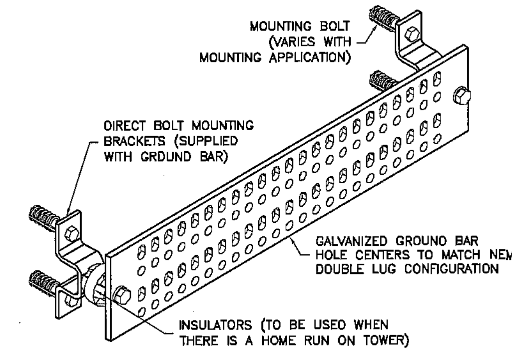
1. GROUNDING SHALL COMPLY WITH ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE.
2. ALL GROUNDING DEVICES SHALL BE U.L. APPROVED OR LISTED FOR THEIR INTENDED USE.
3. ALL WIRES SHALL BE AWG THHN/THWN COPPER UNLESS NOTED OTHERWISE.
4. GROUNDING CONNECTIONS TO GROUND RODS, GROUND RING WIRE, TOWER BASE AND FENCE POSTS SHALL BE EXOTHERMIC ("CADWELDS") UNLESS NOTED OTHERWISE. CLEAN SURFACES TO SHINY METAL. WHERE GROUND WIRES ARE CADWELDED TO GALVANIZED SURFACES, SPRAY CADWELD WITH GALVANIZING PAINT.
5. GROUNDING CONNECTIONS TO GROUND BARS ARE TO BE TWO–HOLE BRASS MECHANICAL CONNECTORS WITH STAINLESS STEEL HARDWARE (INCLUDING SCREW SET) CLEAN GROUND BAR TO SHINY METAL. AFTER MECHANICAL CONNECTION, TREAT WITH PROTECTIVE ANTIOXIDANT COATING.
6. GROUND COAXIAL CABLE SHIELDS AT BOTH ENDS WITH MANUFACTURER'S GROUNDING KITS.
7. ROUTE GROUNDING CONDUCTORS THE SHORTEST AND STRAIGHTEST PATH POSSIBLE. BEND GROUNDING LEADS WITH A MINIMUM 12" RADIUS.
8. INSTALL #2 AWG GREEN–INSULATED STRANDED WIRE FOR ABOVE GRADE GROUNDING AND #2 BARE TINNED COPPER WIRE FOR BELOW GRADE GROUNDING UNLESS OTHERWISE NOTED.
9. REFER TO GROUNDING PLAN FOR GROUND BAR LOCATIONS. GROUNDING CONNECTIONS SHALL BE EXOTHERMIC TYPE ("CADWELDS") TO ANTENNA MOUNTS AND GROUND RING. REMAINING GROUNDING CONNECTIONS SHALL BE COMPRESSION FITTINGS. CONNECTIONS TO GROUND BARS SHALL BE MADE WITH TWO–HOLE LUGS.
10. THE GROUND ELECTRODE SYSTEM SHALL CONSIST OF DRIVEN GROUND RODS POSITION ACCORDING TO GROUNDING PLAN. THE GROUND RODS SHALL BE 5/8"X10'–0" COPPER CLAD STEEL INTERCONNECTED WITH #2 BARE TINNED COPPER WIRE BURIED 36" BELOW GRADE. BURY GROUND RODS A MAXIMUM OF 15' APART, AND A MINIMUM OF 8' APART.
11. IF ROCK IS ENCOUNTERED GROUND RODS SHALL BE PLACED AT AN OBLIQUE ANGLE NOT TO EXCEED 45°.
12. EXOTHERMIC WELDS SHALL BE MADE IN ACCORDANCE WITH ERICO PRODUCTS BULLETIN A–AT.
13. CONSTRUCTION OF GROUND RING AND CONNECTIONS TO EXISTING GROUND RING SYSTEM SHALL BE DOCUMENTED WITH PHOTOGRAPHS PRIOR TO BACKFILLING SITE. PROVIDE PHOTOS TO THE METRDPCS CONSTRUCTION MANAGER.
14. ALL GROUND LEADS EXCEPT THOSE TO THE EQUIPMENT ARE TO BE #2 BARE TINNED COPPER WIRE. ALL EXTERIOR GROUND BARS TINNED COPPER.
15. PRIOR TO INSTALLING LUGS ON GROUND WIRES, APPLY THOMAS & BETTS KOPR–SHIELD (TM OF JET LUBE INC.). PRIOR TO BOLTING GROUND WIRE LUGS TO GROUND BARS, APPLY KOPR–SHIELD OR EQUAL.
16. ENGAGE AN INDEPENDENT ELECTRICAL TESTING FIRM TO TEST AND VERIFY THAT IMPEDANCE DOES NOT EXCEED FIVE OHMS TO GROUND BY MEANS OF "FALL OF POTENTIAL TEST". TEST SHALL BE WITNESSED BY A METROPCS REPRESENTATIVE, AND RECORDED ON THE "GROUND RESISTANCE TEST" FORM.
17. WHERE BARE COPPER GROUND WIRES ARE ROUTED FROM ANY CONNECTION ABOVE GRADE TO GROUND RING, INSTALL WIRE IN 3/4" PVC SLEEVE, FROM 1' BELOW GRADE AND SEAL TOP WITH SILICONE MATERIAL.
18. PREPARE ALL BONDING SURFACES FOR GROUNDING CONNECTIONS BY REMOVING ALL PAINT AND CORROSION DOWN TO SHINY METAL. FOLLOWING CONNECTION, APPLY APPROPRIATE ANTI–OXIDIZATION PAINT.
19. ANY SITE WHERE THE EQUIPMENT (BTS, CABLE BRIDGE, PPC, GENERATOR, ETC.) IS LOCATED WITHIN 6 FEET OF METAL FENCING, THE GROUND RING SHALL BE BONDED TO THE NEAREST FENCE POST USING (3) RUNS OF #2 BARE TINNED COPPER WIRE.



NOTES:

1. ALL HARDWARE 18–8 STAINLESS STEEL INCLUDING BELLEVILLES. COAT ALL SURFACES WITH ANTI–OXIDATION COMPOUND BEFORE MATING.
2. FOR GROUND BOND TO STEEL ONLY: INSERT A DRAGON TOOTH WASHER BETWEEN LUG AND STEEL. COAT ALL SURFACES WITH ANTI–OXIDATION COMPOUND.
3. COAT ALL BARRELS WITH ANTI–OXIDATION COMPOUND BEFORE CRIMPING.

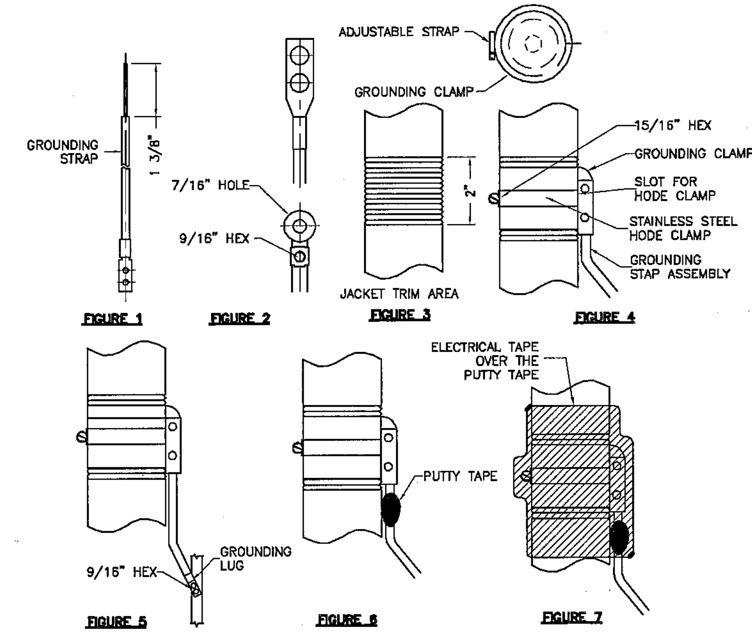
1 / E-3 GENERAL LUG DETAIL
NTS



GROUND BAR SCHEDULE

TYPE	QTY	MANUFACTURER	PART NO.	REMARKS
MGB	2	ITS	GB12	OR EQUAL
CBG	3	ITS	GB24	OR EQUAL

2 / E-3 GROUND BAR DETAIL
NTS



3 / E-3 GROUNDING STRAP WEATHERPROOFING DETAIL
NTS

ENGINEER

NB+C TOTALLY COMMITTED.

NB+C ENGINEERING SERVICES, LLC.
1777 SENTRY PARKWAY WEST
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STATE OF NEW YORK · PHILIP BURTNER · 077087-1 · LICENSED PROFESSIONAL ENGINEER

ENGINEER

PHILIP A. BURTNER, P.E.
NY PROFESSIONAL ENGINEER LIC. # 077087-1

SHEET TITLE

GROUNDING DIAGRAM & DETAILS

SHEET NUMBER

E003.00

EXHIBIT D

10/9/2020 7:18:11 PM

AAN

PROJECT TEAM

CLIENT REPRESENTATIVE

COMPANY: BLACK & VEATCH
ADDRESS: 433 HACKENSACK AVENUE, SUITE 901
CITY, STATE, ZIP: HACKENSACK, NJ 07601
CONTACT: LIANA GUMMOE
PHONE: (201) 977-1624
E-MAIL: GUMMOEL@BV.COM

SITE ACQUISITION

COMPANY: BLACK & VEATCH
ADDRESS: 433 HACKENSACK AVENUE, SUITE 901
CITY, STATE, ZIP: HACKENSACK, NJ 07601
CONTACT: DOUGLAS A. FETKOWITZ
PHONE: (201) 977-1689
E-MAIL: FETKOWITZDA@BV.COM

ENGINEER

COMPANY: AZIMUTH ENGINEERING GROUP, LLC
ADDRESS: 695 ROUTE 46 WEST, SUITE 300
CITY, STATE, ZIP: FAIRFIELD, NJ 07004
CONTACT: JEREMY MCKEON
PHONE: 973-970-0068
E-MAIL: JMCKEON@AZIMUTHEG.COM

APPLICANT/LESSEE

COMPANY: NEW CINGULAR WIRELESS PCS, LLC (AT&T)
ADDRESS: ONE AT&T WAY
CITY, STATE, ZIP: BEDMINSTER, NJ 07921

PROJECT DESCRIPTION/SCOPE OF WORK

THIS PROJECT WILL BE COMPRISED OF:
REPLACEMENT OF EXISTING ANTENNAS AND RRHS WITH THE INSTALLATION OF NEW RRH UNITS ON ROOF. RETROFIT OF EXISTING CABINET IN THE EXISTING EQUIPMENT ROOM.

- SECTORS TO BE MODIFIED = 3
- REPLACEMENT OF EXISTING ANTENNA = 3
- INSTALLATION OF NEW RRH UNIT = 3
- REPLACEMENT OF EXISTING RRH = 3

SHEET INDEX

SITE INFORMATION

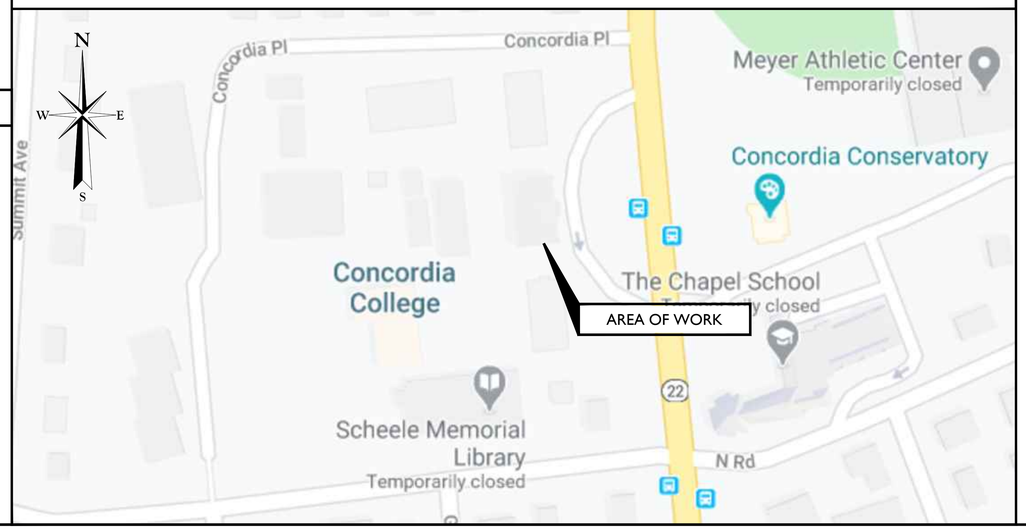
PROPERTY/TOWER OWNER

NAME:	CONCORDIA COLLEGE
ADDRESS:	171 WHITE PLAINS ROAD
CITY, STATE, ZIP:	BRONXVILLE, NY 10708
BLOCK/LOT:	1/1
LATITUDE:	N40°56'35.45016"
LONGITUDE:	W-73°49'16.43016"
LAT./LONG. TYPE:	NAD 83
AREA OF CONSTRUCTION:	EXISTING ROOFTOP AND EQUIPMENT ROOM
ZONING/JURISDICTION:	VILLAGE OF BRONXVILLE, WESTCHESTER COUNTY
CURRENT USE/PROPOSED USE:	UNMANNED TELECOMMUNICATION FACILITY
HANDICAP REQUIREMENTS:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS NOT REQUIRED.
CONSTRUCTION CLASSIFICATION:	II
OCCUPANCY CLASSIFICATION:	U
NUMBER OF FLOORS:	4

SITE NAME: EAST CONCORDIA COLLEGE
PACE JOB #: MRNYJ003783
GSM ID: NYCNNY5617
SITE ID: N-617
FA LOCATION: 10107449

SCOPE OF WORK:
5C (700DE), 6C (FN), 5G NR

VICINITY MAP



GENERAL NOTES

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE; NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.

APPLICABLE BUILDING CODES & STANDARDS

ALL WORK AND MATERIALS SHALL BE PERFORMED AND 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 THE LATEST EDITIONS OF THE FOLLOWING CODES.

1. 2020 BUILDING CODE OF NEW YORK STATE (IBC 2018 WITH AMENDMENTS)
2. NATIONAL ELECTRICAL CODE NFPA 70-17
3. 2020 FIRE CODE OF NEW YORK STATE (IFC 2018 WITH AMENDMENTS)
4. LIGHTNING PROTECTION CODE NFPA 780-2017
5. AMERICAN CONCRETE INSTITUTE 318-14
6. AMERICAN INSTITUTE OF STEEL CONSTRUCTION 15TH EDITION
7. EIA/TIA-222 REVISION H
8. TIA 607 FOR GROUNDING
9. INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS 81
10. IEEE C2 LATEST EDITION
11. TELCORDIA GR-1275 12. ANSI T1.311

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AS SHOWN	AAN	DAS

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0	10/09/20	ISSUED FOR CONST.	YMA	JKM
B	04/27/20	REVISED PER COMMENTS	YMA	JKM
A	3/17/20	ISSUED FOR REVIEW	AAN	DAS

STATE OF NEW YORK
JEREMY K McKEON
No. 095374
LICENSED PROFESSIONAL ENGINEER

JEREMY K McKEON
NEW YORK LICENSED PROFESSIONAL ENGINEER - LICENSE NUMBER: 095374-1

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE INFORMATION:

SITE NUMBER: NYCNNY5617

171 WHITE PLAINS ROAD
BRONXVILLE, NY 10708
WESTCHESTER

SCOPE OF WORK:
5C (700DE), 6C (FN), 5G NR

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
T-1

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GENERAL NOTES:

1. ALL SITE WORK SHALL BE COMPLETED AS INDICATED ON THE DRAWINGS AND PROJECT SPECIFICATIONS.
2. DRAWINGS PROVIDED HERE ARE NOT TO BE SCALED AND ARE INTENDED TO SHOW OUTLINE ONLY.
3. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. SUBCONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK.
4. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES, AND APPLICABLE REGULATIONS.
5. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THESE DRAWINGS.
6. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
7. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AND ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY THE ENGINEER
8. THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTORS EXPENSE TO THE SATISFACTION OF THE OWNER.
9. THE SUBCONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
10. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRICAL, AND OTHER UTILITIES THAT WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY THE RESPONSIBLE ENGINEER. EXTREME CAUTION SHOULD BE USED BY THE SUBCONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. SUBCONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B)CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING & EXCAVATION.
11. ALL EXISTING INACTIVE SEWER , WATER, GAS, ELECTRICAL AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, AS DIRECTED BY THE RESPONSIBLE ENGINEER, AND SUBJECT TO THE APPROVAL OF THE OWNER AND/OR LOCAL UTILITIES.
12. THE AREAS OF THE OWNER'S PROPERTY DISTURBED BY THE WORK BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY SHALL BE GRADED TO A UNIFORM SLOPE AND STABILIZED TO PREVENT EROSION.
13. SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
14. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
15. THE SUB-GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
16. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE EQUIPMENT AND TOWER AREAS.
17. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SIRE AND DISPOSED OF LEGALLY.
18. THE SUBCONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION OF SITE SIGNAGE.
19. SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION.
20. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR.
21. SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING. SUBCONTRACTOR SHALL UTILIZE EXISTING TRAYS AND /OR SHALL ADD NE TRAYS AS NECESSARY. SUBCONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR.
22. ALL CONCRETE REPAIR WORK SHALL BE DONE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE (ACI) 301.
23. ANY NEW CONCRETE NEEDED FOR THE CONSTRUCTION SHALL BE AIR-ENTRAINED AND SHALL HAVE A 4000 PSI STRENGTH AT 28 DAYS.
24. ALL STRUCTURAL STEEL WORK SHALL BE DETAILED , FABRICATED AND ERECTED IN ACCORDANCE WITH AISC SPECIFICATIONS. ALL STRUCTURAL STEEL W-BEAMS SHALL BE ASTM A992, PIPES SHALL BE ASTM A53, AND ALL OTHER STRUCTURAL STEEL SHALL BE ASTM A36, UNLESS NOTED OTHERWISE.
25. ALL STEEL EXPOSED TO WEATHER SHALL BE HOT DIPPED GALVANIZED. TOUCH UP ALL SCRATCHES AND OTHER MARKS IN THE FIELD AFTER STEEL IS ERECTED USING A COMPATIBLE ZINC RICH PAINT.
26. CONSTRUCTION SHALL COMPLY WITH SPECIFICATIONS AND GENERAL CONSTRUCTION SERVICES FOR CARRIER.
27. SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
28. THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION, ANY CONSTRUCTION WORK BY SUBCONTRACTOR SHALL NOT DISTURB THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH CONTRACTOR. ALSO, WORK SHOULD BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.
29. SINCE THE CELL SITE IS ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE ADVISED TO BE WORN ALERT OF DANGEROUS EXPOSURE LEVELS.

GROUNDING NOTES:

1. THE SUBCONTRACTOR SHALL REVIEW AND INSPECT THE EXISTING FACILITY GROUNDING SYSTEM, AS DESIGNED AND INSTALLED, FOR STRICT COMPLIANCE WITH THE CURRENT NEC CODE, THE SITE-SPECIFIC UL, LPI, OR NFPA LIGHTING PROTECTION CODE, AND GENERAL COMPLIANCE WITH TELCORDIA AND TIA GROUNDING STANDARDS. THE SUBCONTRACTOR SHALL REPORT ANY VIOLATIONS OR ADVERSE FINDINGS TO THE CONTRACTOR FOR RESOLUTION.
2. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION, AND AC POWER GES'S) SHALL BE BONDED TOGETHER, AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
3. THE SUBCONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR GROUND ELECTRODE SYSTEMS. THE SUBCONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5O HMS OR LESS.
4. THE SUBCONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT.
5. METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 AWG COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
6. METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
7. EACH CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE EQUIPMENT GROUND RING WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, 6 AWG STRANDED COPPER OR LARGER FOR INDOOR CABINETS; 2 AWG STRANDED COPPER FOR OUTDOOR CABINETS.
8. CONNECTIONS TO THE GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED. BACK TO BACK CONNECTIONS ON OPPOSITE SIDES OF THE GROUND BUS ARE PERMITTED.
9. ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/GROUND BARS AND THE GROUND RING, SHALL BE #2 AWG SOLID TINNED COPPER UNLESS OTHERWISE INDICATED.
10. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
11. USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED. ALL BENDS SHALL BE MADE WITH 12" RADIUS OR LARGER.
12. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
13. ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR) SHALL BE FORMED USING HIGH PRESS CRIMPS EXCEPT FOR GROUND BAR CONNECTION FROM GROUND BAR TO OUTSIDE EXTERIOR GROUND SHALL ALL BE CADWELD CONNECTIONS.
14. COMPRESSION GROUND CONNECTIONS MAY BE REPLACED BY EXOTHERMIC WELD CONNECTIONS.
15. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED TO THE TOWER GROUND BAR.
16. APPROVED ANTIOXIDANT COATINGS (I.E. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
17. ALL EXTERIOR AND INTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.
18. MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
19. BOND ALL METALLIC OBJECTS WITHIN 6 FT OF MAIN GROUND WIRES WITH 1-#2 AWG TIN-PLATED COPPER GROUND CONDUCTOR.
20. GROUND CONDUCTORS USED IN THE FACILITY GROUND AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS. WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS, NON-METALLIC MATERIAL SUCH AS PVC PLASTIC CONDUIT SHALL BE USED. WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (E.G. NON-METALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.
21. ALL NEW STRUCTURES WITH A FOUNDATION AND/OR FOOTING HAVING 20 FT. OR MORE OF 1/4" OR GREATER ELECTRICALLY CONDUCTIVE REINFORCING STEEL MUST HAVE IT BONDED TO THE GROUND RING USING AN EXOTHERMIC WELD CONNECTION USING #2 AWG SOLID BARE TINNED COPPER GROUND WIRE, PER NEC 250.50.

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B	04/27/20	REVISED PER COMMENTS	YMA	JKM
A	3/17/20	ISSUED FOR REVIEW	AAN	DAS

STATE OF NEW YORK
JEREMY K McKEON
No. 095374
LICENSED PROFESSIONAL ENGINEER

JEREMY K McKEON
NEW YORK LICENSED PROFESSIONAL ENGINEER - LICENSE NUMBER: 095374-1

SITE INFORMATION:

SITE NUMBER: NYCNNY5617

171 WHITE PLAINS ROAD
BRONXVILLE, NY 10708
WESTCHESTER

SCOPE OF WORK:
5C (700DE), 6C (FN), 5G NR

SHEET TITLE:
GENERAL NOTES

SHEET NUMBER:
N-1

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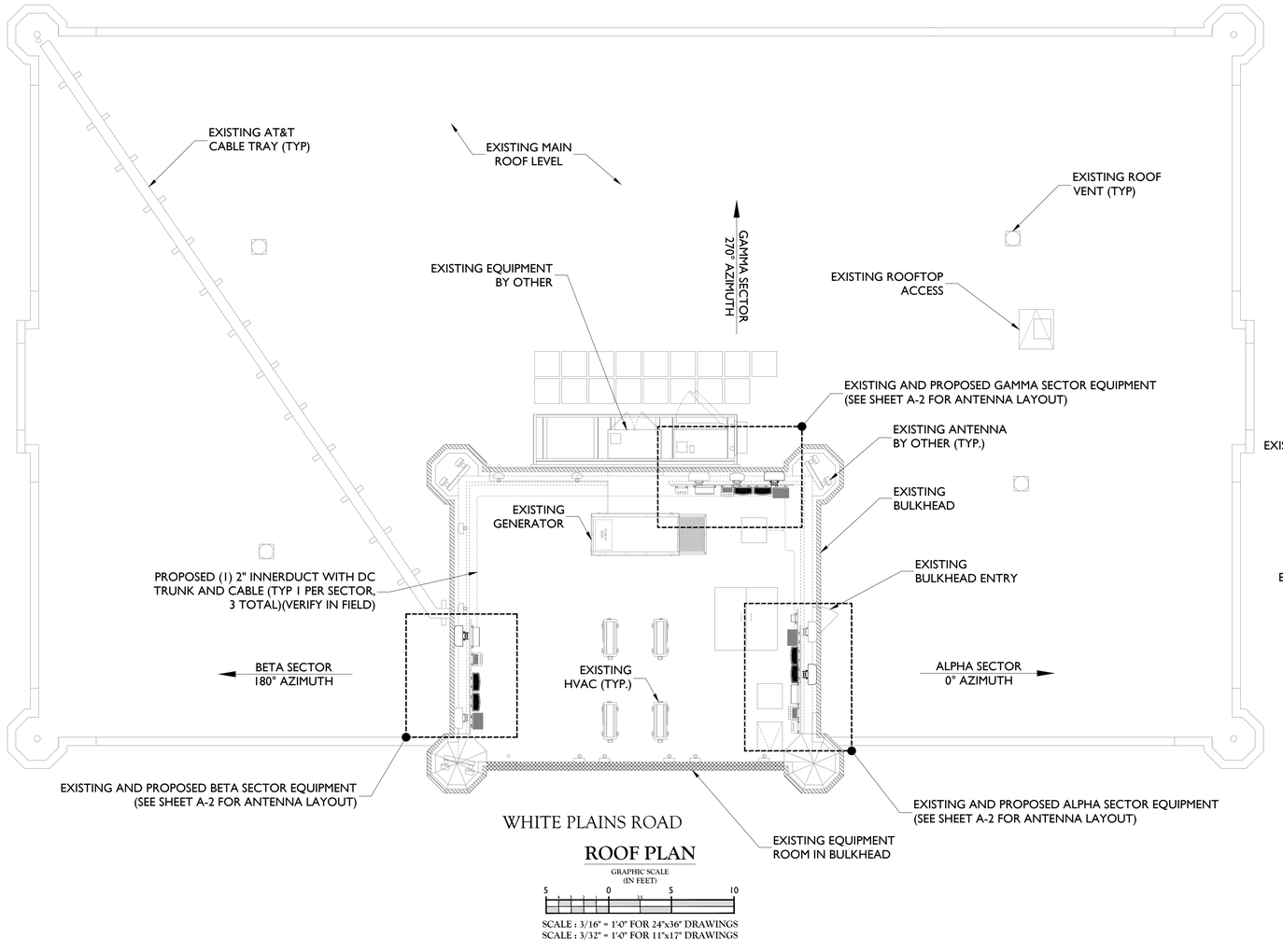
Fiber / Cable Length Schedule	
Sector	Length (ft.)
Alpha	17'-0"
Beta	44'-0"
Gamma	10'-0"

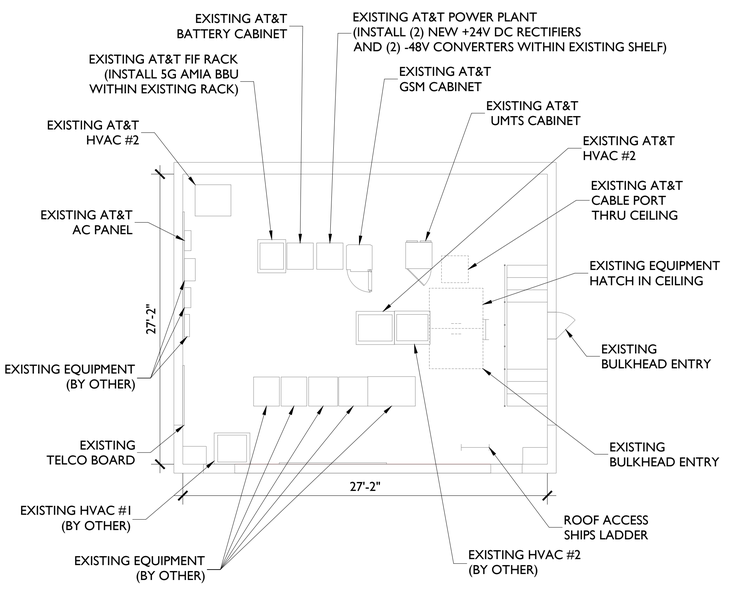


ROOF PLAN

GRAPHIC SCALE (IN FEET)

5 4 3 2 1 0 5 10

SCALE : 3/16" = 1'-0" FOR 24"x36" DRAWINGS
SCALE : 3/32" = 1'-0" FOR 11"x17" DRAWINGS



EQUIPMENT PLAN

GRAPHIC SCALE (IN FEET)

5 4 3 2 1 0 5 10

SCALE : 3/16" = 1'-0" FOR 24"x36" DRAWINGS
SCALE : 3/32" = 1'-0" FOR 11"x17" DRAWINGS

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STATE OF NEW YORK · JEREMY K. McKEON · No. 095374 · LICENSED PROFESSIONAL ENGINEER

JEREMY K McKEON
NEW YORK LICENSED PROFESSIONAL ENGINEER - LICENSE NUMBER: 095374-1

SITE INFORMATION:

SITE NUMBER: NYCNNY5617

171 WHITE PLAINS ROAD
BRONXVILLE, NY 10708
WESTCHESTER

SCOPE OF WORK:
5C (700DE), 6C (FN), 5G NR

SHEET TITLE:
ROOFTOP & EQUIPMENT PLAN

SHEET NUMBER:
A-1

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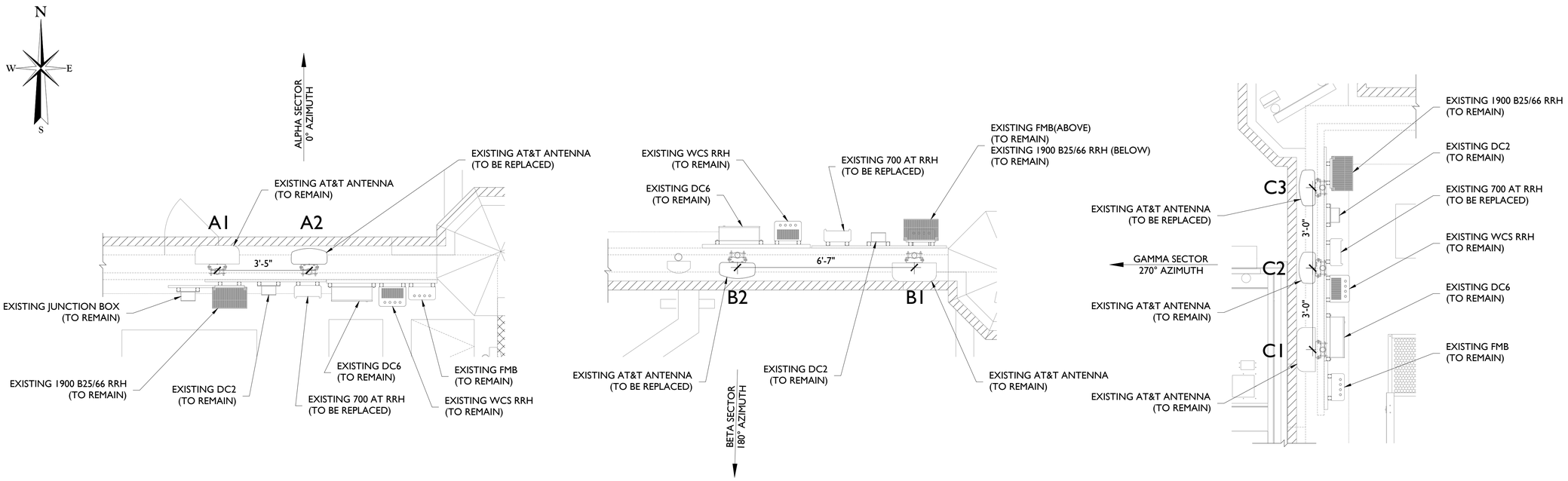
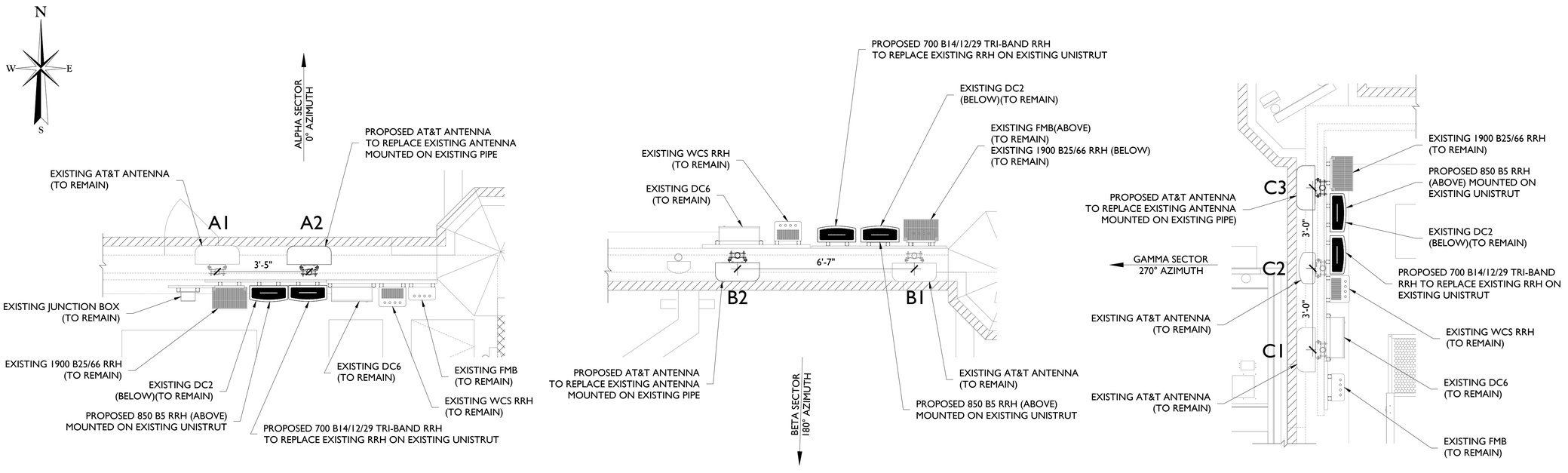


EXISTING ANTENNA LAYOUT

NOTE: NOT TO SCALE



PROPOSED ANTENNA LAYOUT

NOTE: NOT TO SCALE

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STATE OF NEW YORK
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SITE INFORMATION:

SITE NUMBER: NYCNNY5617

171 WHITE PLAINS ROAD
BRONXVILLE, NY 10708
WESTCHESTER

SCOPE OF WORK:
5C (700DE), 6C (FN), 5G NR

SHEET TITLE:
ANTENNA LAYOUT

SHEET NUMBER:
A-2

ELEVATION VIEW FROM TANGLEWYLDE AVENUE
LOOKING SOUTH

GRAPHIC SCALE
(IN FEET)

4 0 4 8

SCALE : 1/4" = 1'-0" FOR 24"x36" DRAWINGS
SCALE : 1/8" = 1'-0" FOR 11"x17" DRAWINGS

NOTE:
1. ALPHA SECTOR IS BEYOND AND NOT SHOWN FOR CLARITY.
2. ALL ANTENNAS ARE TO BE INSTALLED BEHIND THE EXISTING RF TRANSPARENT BULKHEAD EXTENSION.

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B	04/27/20	REVISED PER COMMENTS	YMA	JKM
A	3/17/20	ISSUED FOR REVIEW	AAN	DAS

STATE OF NEW YORK
JEREMY K McKEON
No. 095374
LICENSED PROFESSIONAL ENGINEER

JEREMY K McKEON
NEW YORK LICENSED PROFESSIONAL
ENGINEER - LICENSE NUMBER: 095374-1

SITE INFORMATION:

SITE NUMBER: NYCNNY5617

171 WHITE PLAINS ROAD
BRONXVILLE, NY 10708
WESTCHESTER

SCOPE OF WORK:
5C (700DE), 6C (FN), 5G NR

SHEET TITLE:
ELEVATION

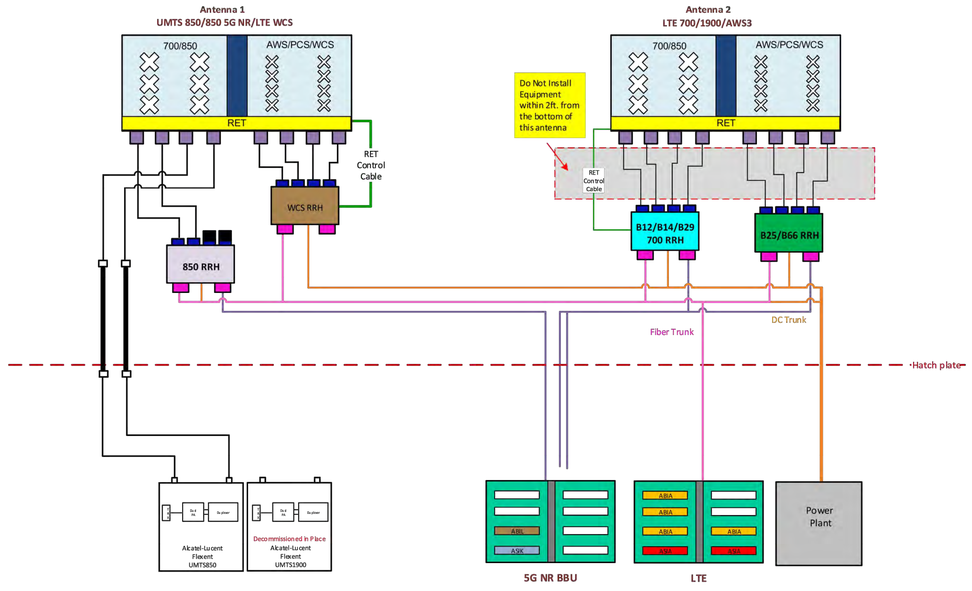
SHEET NUMBER:
A-3

PROPOSED ANTENNA AND RRU CONFIGURATION

SECTOR		QUANTITY	EXISTING ANTENNA CONFIGURATION	PROPOSED ANTENNA CONFIGURATION	ANTENNA STATUS	HEIGHT (IN)	WIDTH (IN)	DEPTH (IN)	WEIGHT (lbs)	ANTENNA FACE AREA (S.F.)	ANTENNA AZIMUTH	ANT. CL. ELEV. (FT)	RRU CONFIGURATION	STATUS
ALPHA	A1	1	COMMSCOPE NNHH-65A-R4	COMMSCOPE NNHH-65A-R4	EXISTING	55.1	19.6	7.8	67.2	7.50	0°	58'-0"	**850 B5 RRH** WCS RRH	**NEW** EXISTING
	A2	1	COMMSCOPE SBNHH-1D65A	**COMMSCOPE NNHH-65A-R4**	**REPLACE**	55.1	19.6	7.8	67.2	7.50	0°	58'-0"	**700 B14/12/29 RRH** 1900 B25/66 RRH	**REPLACE** EXISTING
BETA	B1	1	COMMSCOPE NNHH-65A-R4	COMMSCOPE NNHH-65A-R4	EXISTING	55.1	19.6	7.8	67.2	7.50	180°	58'-0"	**850 B5 RRH** WCS RRH	**NEW** EXISTING
	B2	1	COMMSCOPE SBNHH-1D65A	**COMMSCOPE NNHH-65A-R4**	**REPLACE**	55.1	19.6	7.8	67.2	7.50	180°	58'-0"	**700 B14/12/29 RRH** 1900 B25/66 RRH	**REPLACE** EXISTING
GAMMA	C1	1	COMMSCOPE NNHH-65A-R4	COMMSCOPE NNHH-65A-R4	EXISTING	55.1	19.6	7.8	67.2	7.50	270°	58'-0"	**850 B5 RRH** WCS RRH	**NEW** EXISTING
	C2	1	COMMSCOPE SBNHH-1D65A	COMMSCOPE SBNHH-1D65A	EXISTING	55.6	11.9	7.1	33.5	4.59	270°	58'-0"	-	-
	C3	1	ANDREW DBXLH-6565A-VTM	**COMMSCOPE NNHH-65A-R4-V2**	**REPLACE**	59	19.6	7.8	68.3	8.03	270°	58'-0"	**700 B14/12/29 RRH** 1900 B25/66 RRH	**REPLACE** EXISTING

ANTENNA SCHEDULE

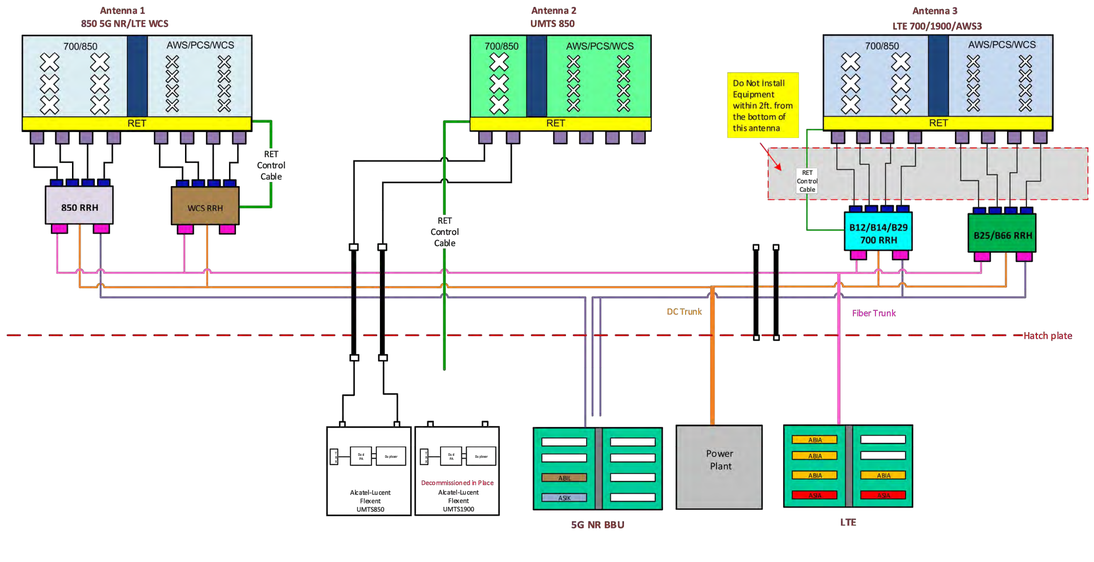
Proposed Configuration



* Lines showing connections between RRH and Antenna are for block diagram purposes only. For actual connections refer to Nokia field guides and notices.

ALPHA AND BETA SECTORS

Proposed Configuration



* Lines showing connections between RRH and Antenna are for block diagram purposes only. For actual connections refer to Nokia field guides and notices.

GAMMA SECTOR

PLUMBING DIAGRAM

AZIMUTH ENGINEERING GROUP

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FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE:	DRAWN BY:	CHECKED BY:
AS SHOWN	AAN	DAS

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	10/09/20	ISSUED FOR CONST.	YMA	JKM
B	04/27/20	REVISED PER COMMENTS	YMA	JKM
A	3/17/20	ISSUED FOR REVIEW	AAN	DAS

STATE OF NEW YORK
JEREMY K McKEON
No. 095374
LICENSED PROFESSIONAL ENGINEER

JEREMY K McKEON
NEW YORK LICENSED PROFESSIONAL ENGINEER - LICENSE NUMBER: 095374-1

SITE INFORMATION:

SITE NUMBER: NYCNNY5617

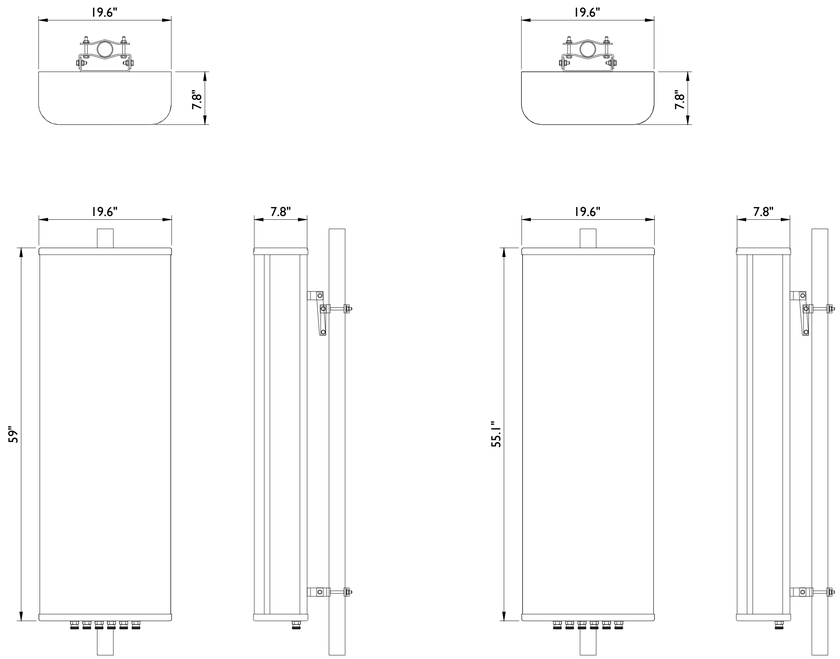
171 WHITE PLAINS ROAD
BRONXVILLE, NY 10708
WESTCHESTER

SCOPE OF WORK:
5C (700DE), 6C (FN), 5G NR

SHEET TITLE:
ANTENNA SCHEDULE

SHEET NUMBER:
A-4

AAN 10/9/2020 7:18:37 PM



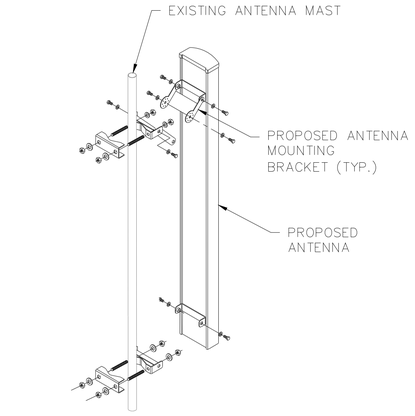
WEIGHT = 68.3 LBS
ANTENNA FACE AREA = 8.03 SQ. FT.

NNHH-65A-R4-V2

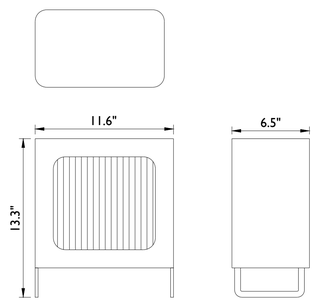
WEIGHT = 67.2 LBS
ANTENNA FACE AREA = 7.5 SQ. FT.

NNHH-65A-R4

ANTENNA DETAIL
NOT TO SCALE

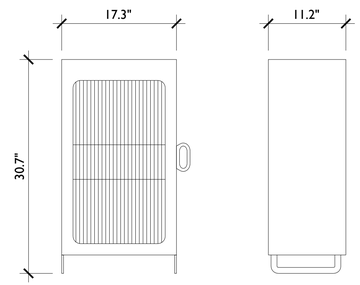


ANTENNA MOUNTING DETAIL
NOT TO SCALE



WEIGHT = 35.3 LB

4T4R B5 160W
AIRSCALE DUAL 850 RRH
NOT TO SCALE



WEIGHT = 101.4 LB

4T4R B14/B12/29 370W AHLBBA
AIRSCALE TRIBAND 700 RRH
NOT TO SCALE

AZIMUTH ENGINEERING GROUP

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SCALE:	DRAWN BY:	CHECKED BY:
AS SHOWN	AAN	DAS

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
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0	10/09/20	ISSUED FOR CONST.	YMA	JKM
B	04/27/20	REVISED PER COMMENTS	YMA	JKM
A	3/17/20	ISSUED FOR REVIEW	AAN	DAS

STATE OF NEW YORK
JEREMY K McKEON
No. 095374
LICENSED PROFESSIONAL ENGINEER

JEREMY K McKEON
NEW YORK LICENSED PROFESSIONAL ENGINEER - LICENSE NUMBER: 095374-1

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE INFORMATION:

SITE NUMBER: NYCNNY5617

171 WHITE PLAINS ROAD
BRONXVILLE, NY 10708
WESTCHESTER

SCOPE OF WORK:
5C (700DE), 6C (FN), 5G NR

SHEET TITLE:
EQUIPMENT DETAILS - 1

SHEET NUMBER:
A-5

NYCNNY5617_CD_Rev1.dwg

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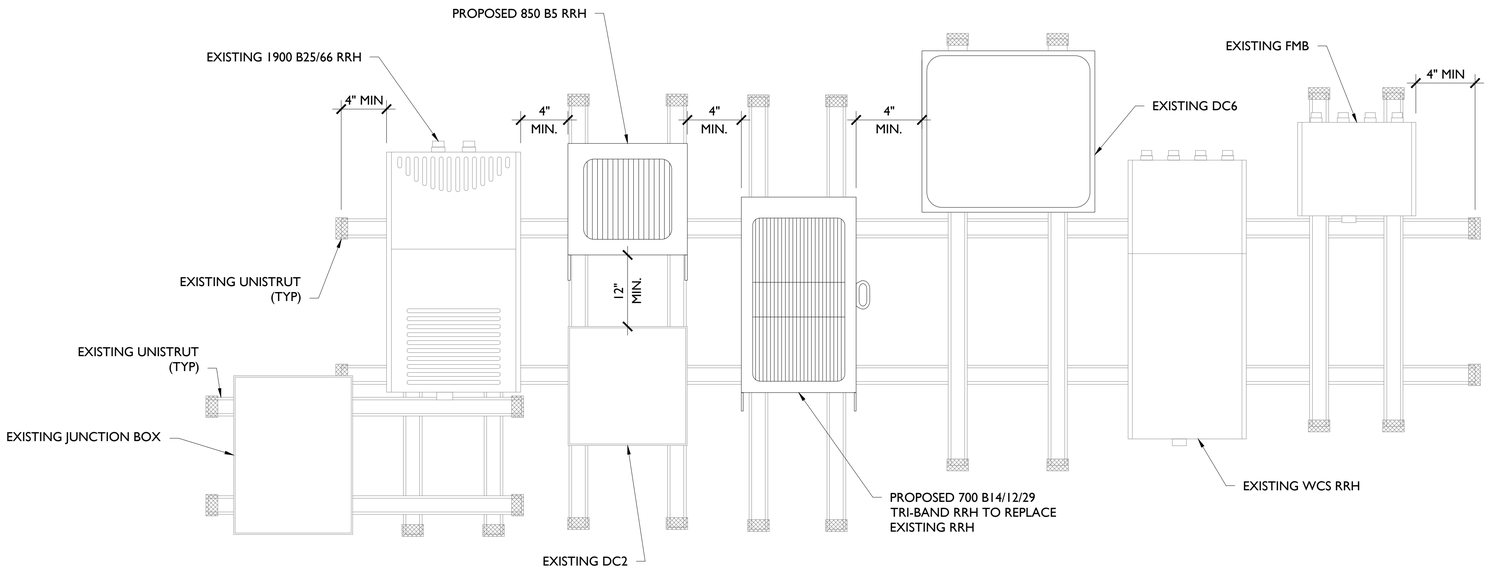
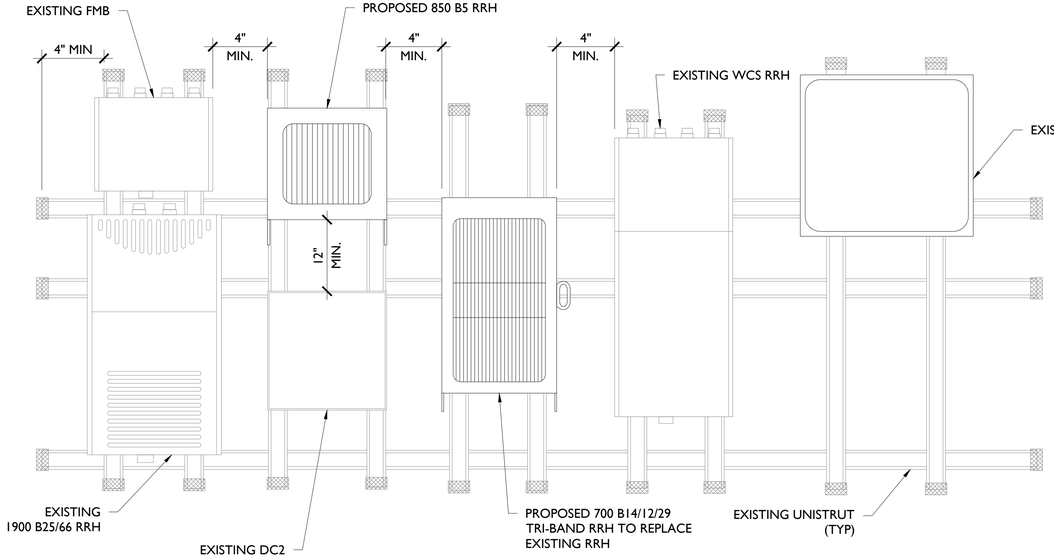


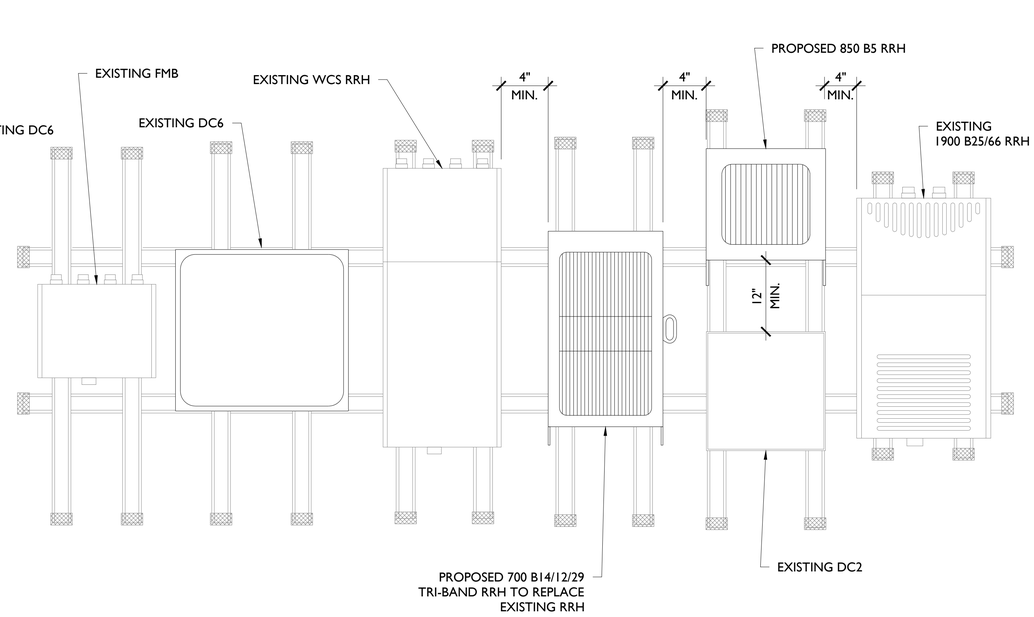
ALPHA SECTOR RRH MOUNTING DETAIL

NOT TO SCALE



BETA SECTOR RRH MOUNTING DETAIL

NOT TO SCALE



GAMMA SECTOR RRH MOUNTING DETAIL

NOT TO SCALE

AZIMUTH ENGINEERING GROUP

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SCALE:	DRAWN BY:	CHECKED BY:
AS SHOWN	AAN	DAS

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
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0	10/09/20	ISSUED FOR CONST.	YMA	JKM
B	04/27/20	REVISED PER COMMENTS	YMA	JKM
A	3/17/20	ISSUED FOR REVIEW	AAN	DAS

STATE OF NEW YORK · JEREMY K. McKEON · No. 095374 · LICENSED PROFESSIONAL ENGINEER

JEREMY K McKEON
NEW YORK LICENSED PROFESSIONAL ENGINEER - LICENSE NUMBER: 095374-1

SITE INFORMATION:

SITE NUMBER: NYCNNY5617

171 WHITE PLAINS ROAD
BRONXVILLE, NY 10708
WESTCHESTER

SCOPE OF WORK:
5C (700DE), 6C (FN), 5G NR

SHEET TITLE:
EQUIPMENT DETAILS - 2

SHEET NUMBER:
A-6

NYCNNY5617_CD-Rev1.dwg

EXHIBIT E

Village of Bronxville

200 Pondfield Rd.
Bronxville, NY 10708

BUILDING PERMIT

THIS PERMIT MUST BE DISPLAYED AT THE JOB SITE

Owner: Concordia College
Parcel Location: 187 White Plains Road
Tax Map (SBL) No.: 6./1/1
Application No.: ALT 113-20
Permit Type: ALTERATION

Unit:
Use Group:

Date: 10/8/2020
***Exp Date:** 10/8/2022
Permit #: 2020-0115
Est Cost: $25000.00
Fee Paid: $525

Parcel Owner Name and Address:

Concordia College
Business Office
171 White Plains Road
Bronxville NY 10708

Contractor:

Squan Construction Services
329 Harold Avenue
Englewood NJ 07631

This is to certify that permission is hereby granted for:

Replace (3) existing antenna and (3) existing Remote Radio Heads with new models in a like for like swap. Installing (3) new RRH at antenna location.

Notes:

- **Permission is hereby granted to the above referenced contractor to perform the work described in the above-numbered application and in the related approved plans and specifications. All work performed under this permit is subject to any conditions set forth on the attached and all work must be done in accordance with the Building Code of the State of New York and the Village Code of 1981, as amended.**
- **All construction activities must be executed in strict compliance with all applicable laws of the Village of Bronxville and the State of New York.**
- **Any amendments made to the approved plans for which this permit has been issued must be submitted to the Building Department for approval.**
- *** A building permit shall be effective to authorize the commencement of work for a period of six months after the date of its issuance. In the event that a substantial amount of construction has not then commenced a building permit shall expire (1) one year after its date of issuance, or it shall expire (2) two years after its date of issuance, unless the proposed work has been completed and a certificate of occupancy has been issued, unless otherwise extended by the Superintendent of Buildings in writing in accordance with Section 112-13.A.**

HOURS OF CONSTRUCTION LIMITED TO 8:00 AM - 6:00 PM
MONDAY THROUGH FRIDAY ONLY EXCEPT HOLIDAYS

Paul Taft
Building Inspector, Village of Bronxville

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY

JEREMY K McKEON
NEW YORK LICENSED PROFESSIONAL ENGINEER - LICENSE NUMBER: 095374-1

SITE INFORMATION:

SITE NUMBER: NYCNNY5617

171 WHITE PLAINS ROAD
BRONXVILLE, NY 10708
WESTCHESTER

SCOPE OF WORK:
5C (700DE), 6C (FN), 5G NR

SHEET TITLE:

TITLE SHEET

SHEET NUMBER:

T-1

EXHIBIT F

SITESAFE
RF COMPLIANCE EXPERTS
A BUSINESS OF FDH VELOCITEL

200 North Glebe Road, Suite 1000, Arlington, VA 22203-3728
703.276.1100 • 703.276.1169 fax
info@sitesafe.com • www.sitesafe.com

AT&T Mobility, LLC
Site FA – 10107449
Site ID – NYCNNY5617 (2C)
USID – 103719
Site Name – East Concordia College
Site Compliance Report

171 White Plains Road
Bronxville, NY 10708

Latitude: N40-56-35.45
Longitude: W73-49-16.43
Structure Type: Rooftop

Report generated date: December 11, 2015
Report by: Michelle Stone
Customer Contact: Joseph C. D'Alto

AT&T Mobility, LLC is Compliant Based on FCC Rules and Regulations.

STATE OF NEW YORK
DAVID CHARLES COTTON, JR.
LICENSED PROFESSIONAL ENGINEER
086838

David C. Cotton, Jr.
Licensed Professional Engineer
State of New York, 086838
Date: 2015-December-14

Warning: It is a violation of New York State Law, Article 145, Section §7209 for any person, unless acting under the direction of a licensed professional engineer, to alter this document in any way.

Table of Contents

1 General Site Summary

1.1 Report Summary

AT&T Mobility, LLC	Summary
Access to Antennas Locked?	Yes
RF Sign(s) @ access point(s)	Information 1, Information 2 and Notice signage @ Access 1 and Access 2.
RF Sign(s) @ antennas	Caution 2, Caution, Notice 2, Notice, and Information 1 signs @ Alpha sector. (2) Caution 2 and Notice 2 signs @ Beta sector. (2) Caution 2 and Notice 2 signs @ Gamma sector.
Barrier(s) @ sectors	Beta sector
Max cumulative simulated Radio Frequency Exposure (RFE) level on the Rooftop	2,339.9% of General Public limit
FCC & AT&T Compliant?	Yes

Note: The existing signage was documented at a previous site visit (08/13/15).

The following documents were provided by the client and were utilized to create this report:

RFDS: 10107449.PM201.LTE2C.V07.150123.pdf

CD's: 10107449.AE201.LTE2C.CDs.06.12.15.pdf

RF Configuration Datasheet: ERPs.docx

2 Map of Site

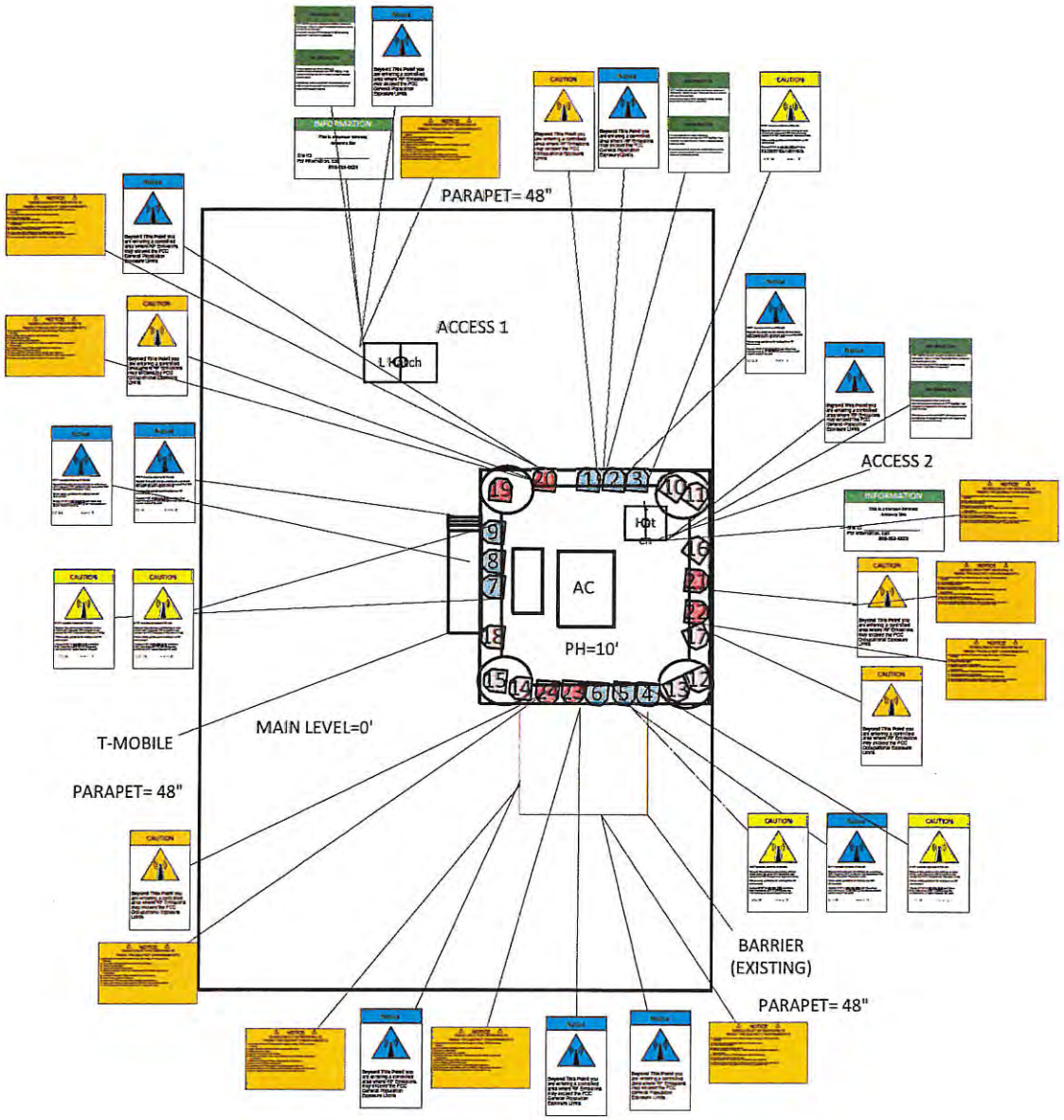
In the RF Emissions Simulations below all heights are reflected with respect to main site level. In most rooftop cases this is the height of the main rooftop and in other cases this can be ground level. Each different height area, rooftop, or platform level is labeled with its height relative to the main site level. Emissions are calculated appropriately based on the relative height and location of that area to all antennas.

The Antenna Inventory heights are referenced to the same level.

The following diagrams are included:

- Site Map
- Emissions Diagram
- AT&T Mobility, LLC Contribution
- Detailed View

Site Map For: East Concordia College



(Feet)

0 10 20

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Site Name:East Concordia College

AT&T MOBILITY LLC	VERIZON WIRELESS	T-MOBILE	METROPCS	CRICKET COMMUNICATIONS	CLEARWIRE	SPRINT

3 Antenna Inventory

The following antenna inventory on this and the following page, were obtained by the customer and were utilized to create the site model diagrams:

Ant ID	Operator	Antenna Make & Model	Type	TX Freq (MHz)	Az (Deg)	Hor BW (Deg)	Ant Len (ft)	Ant Gain (dBd)	2G GSM Radio(s)	3G UMTS Radio(s)	4G Radio(s)	Total ERP (Watts)	X	Y	Z
1	AT&T MOBILITY LLC	Andrew SBNHH-1D65A	Panel	737	0	66	4.6	11.29	0	0	1	807.5	105.4'	144.6'	11.7'
1	AT&T MOBILITY LLC (Proposed)	Andrew SBNHH-1D65A	Panel	1900	0	65	4.6	14.65	0	0	1	2333.9	105.4'	144.6'	11.7'
2	AT&T MOBILITY LLC (Decommissioned)	Andrew DBXLH-6565A-VTM	Panel	850	0	68	4.2	11.563	1	0	0	0	108.4'	144.6'	11.9'
2	AT&T MOBILITY LLC (Decommissioned)	Andrew DBXLH-6565A-VTM	Panel	1900	0	63	4.2	14.335	1	0	0	0	108.4'	144.6'	11.9'
3	AT&T MOBILITY LLC	Andrew DBXLH-6565A-VTM	Panel	850	0	68	4.2	11.563	0	1	0	1146.5	111.1'	144.6'	11.9'
3	AT&T MOBILITY LLC	Andrew DBXLH-6565A-VTM	Panel	1900	0	63	4.2	14.335	0	1	0	2170.7	111.1'	144.6'	11.9'
4	AT&T MOBILITY LLC	Andrew SBNHH-1D65A	Panel	737	180	66	4.6	11.29	0	0	1	807.5	112.4'	119.6'	11.7'
4	AT&T MOBILITY LLC (Proposed)	Andrew SBNHH-1D65A	Panel	1900	180	65	4.6	14.65	0	0	1	2333.9	112.4'	119.6'	11.7'
5	AT&T MOBILITY LLC (Decommissioned)	Andrew DBXLH-6565A-VTM	Panel	850	180	68	4.2	11.563	1	0	0	0	109.6'	119.7'	11.9'
5	AT&T MOBILITY LLC (Decommissioned)	Andrew DBXLH-6565A-VTM	Panel	1900	180	63	4.2	14.335	1	0	0	0	109.6'	119.7'	11.9'
6	AT&T MOBILITY LLC	Andrew DBXLH-6565A-VTM	Panel	850	180	68	4.2	11.563	0	1	0	1146.5	106.4'	119.6'	11.9'
6	AT&T MOBILITY LLC	Andrew DBXLH-6565A-VTM	Panel	1900	180	63	4.2	14.335	0	1	0	2170.7	106.4'	119.6'	11.9'
7	AT&T MOBILITY LLC	Andrew SBNHH-1D65A	Panel	737	270	66	4.6	11.29	0	0	1	807.5	94.2'	132.1'	11.7'
7	AT&T MOBILITY LLC (Proposed)	Andrew SBNHH-1D65A	Panel	1900	270	65	4.6	14.65	0	0	1	2333.9	94.2'	132.1'	11.7'
8	AT&T MOBILITY LLC (Decommissioned)	Andrew DBXLH-6565A-VTM	Panel	850	270	68	4.2	11.563	1	0	0	0	94.2'	135.1'	11.9'
8	AT&T MOBILITY LLC (Decommissioned)	Andrew DBXLH-6565A-VTM	Panel	1900	270	63	4.2	14.335	1	0	0	0	94.2'	135.1'	11.9'
9	AT&T MOBILITY LLC	Andrew DBXLH-6565A-VTM	Panel	850	270	68	4.2	11.563	0	1	0	1146.5	94.2'	138.5'	11.9'
9	AT&T MOBILITY LLC	Andrew DBXLH-6565A-VTM	Panel	1900	270	63	4.2	14.335	0	1	0	2170.7	94.2'	138.5'	11.9'
10	T-MOBILE	Generic	Panel	1900	30	65	6.3	16.26	-	-	-	2536	115.4'	143.7'	13.9'
11	T-MOBILE	Generic	Panel	2100	30	65	4.6	15.23	-	-	-	2000.6	117.9'	142.8'	14.7'
12	T-MOBILE	Generic	Panel	1900	150	65	6.3	16.26	-	-	-	2536	118.4'	121.3'	13.9'
13	T-MOBILE	Generic	Panel	2100	150	65	4.6	15.23	-	-	-	2000.6	115.9'	120.1'	14.7'
14	T-MOBILE	Generic	Panel	1900	270	65	6.3	16.26	-	-	-	2536	97.5'	120.3'	13.9'
15	T-MOBILE	Generic	Panel	2100	270	65	4.6	15.23	-	-	-	2000.6	94.5'	121.2'	14.7'

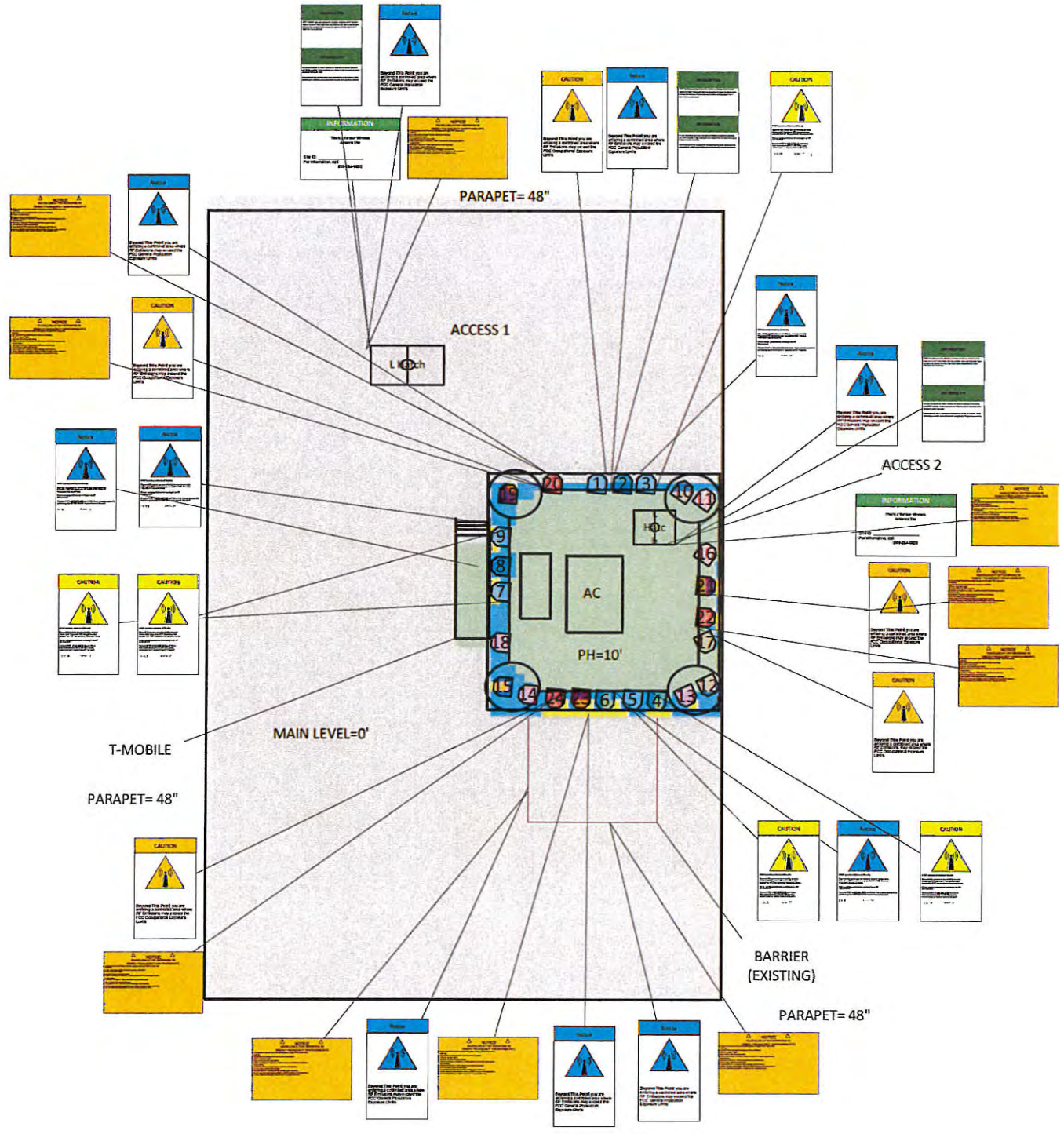
Ant ID	Operator	Antenna Make & Model	Type	TX Freq (MHz)	Az (Deg)	Hor BW (Deg)	Ant Len (ft)	Ant Gain (dBd)	2G GSM Radio(s)	3G UMTS Radio(s)	4G Radio(s)	Total ERP (Watts)	X	Y	Z
16	T-MOBILE	Generic	Panel	2100	30	65	6.3	15.53	-	-	-	0	118.1'	136.6'	10.9'
17	T-MOBILE	Generic	Panel	2100	150	65	6.3	15.53	-	-	-	0	118.1'	126.3'	10.9'
18	T-MOBILE	Generic	Panel	2100	270	65	6.3	15.53	-	-	-	0	94.2'	126.2'	10.9'
19	VERIZON WIRELESS	Generic	Panel	751	0	65	4.6	12.14	-	-	-	982.1	95'	143.4'	11.7'
19	VERIZON WIRELESS	Generic	Panel	2100	0	65	4.6	15.23	-	-	-	2000.6	95'	143.4'	11.7'
20	VERIZON WIRELESS	Generic	Panel	850	0	65	4.6	12.77	-	-	-	1513.9	100.2'	144.6'	11.7'
21	VERIZON WIRELESS	Generic	Panel	751	90	65	4.6	12.14	-	-	-	982.1	118'	132.8'	11.7'
21	VERIZON WIRELESS	Generic	Panel	2100	90	65	4.6	15.23	-	-	-	2000.6	118'	132.8'	11.7'
22	VERIZON WIRELESS	Generic	Panel	850	90	65	4.6	12.77	-	-	-	1513.9	118'	129.2'	11.7'
23	VERIZON WIRELESS	Generic	Panel	751	180	65	4.6	12.14	-	-	-	982.1	103.6'	119.8'	11.7'
23	VERIZON WIRELESS	Generic	Panel	2100	180	65	4.6	15.23	-	-	-	2000.6	103.6'	119.8'	11.7'
24	VERIZON WIRELESS	Generic	Panel	850	180	65	4.6	12.77	-	-	-	1513.9	100.6'	119.8'	11.7'

NOTE: X, Y and Z indicate relative position of the bottom of the antenna to the origin location on the site, displayed in the model results diagram. Specifically, the Z reference indicates the bottom of the antenna height above the main site level unless otherwise indicated. The distance to the bottom of the antenna is calculated by subtracting half of the length of the antenna from the antenna centerline. Effective Radiated Power (ERP) is provided by the operator or based on Sitesafe experience. The values used in the modeling may be greater than are currently deployed. For other operators at this site the use of "Generic" as an antenna model or "Unknown" for a wireless operator means the information with regard to operator, their FCC license and/or antenna information was not available nor could it be secured while on site. Other operator's equipment, antenna models and powers used for modeling are based on obtained information or Sitesafe experience.

*GSM technology has been shut down (per ERP datasheet).

Note: The 1900MHz LTE technology is being added to an existing antenna.

RF Emissions Simulation For: East Concordia College
Composite View



% of FCC Public Exposure Limit
Spatial average 0' - 6'

(Feet)

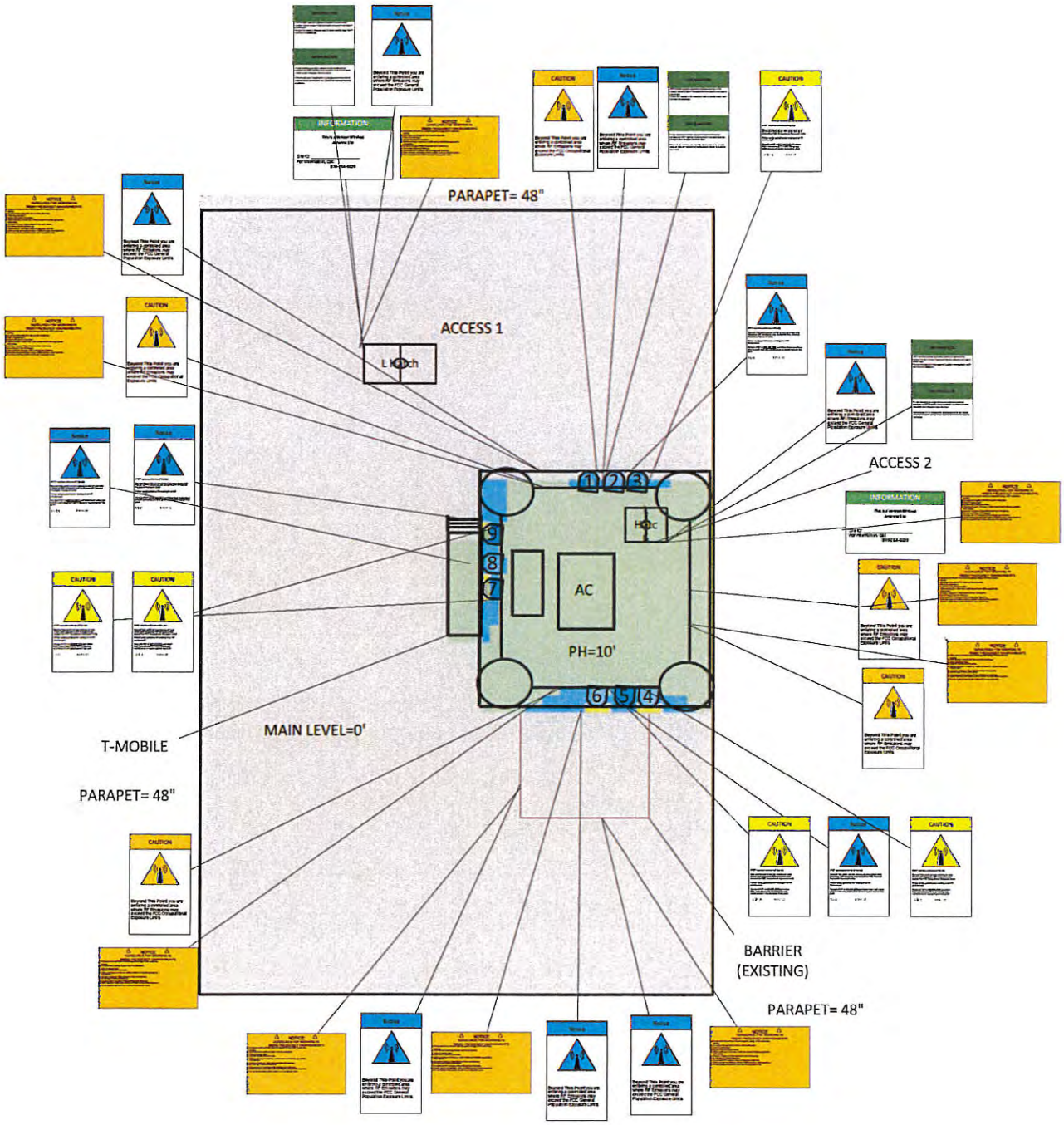
0 8.2 16.4

>= 5000 >= 500 >= 100 >= 5 < 5

www.sitesafe.com
Site Name:East Concordia College

AT&T MOBILITY LLC	VERIZON WIRELESS	T-MOBILE	METROPCS	CRICKET COMMUNICATIONS	CLEARWIRE	SPRINT

RF Emissions Simulation For: East Concordia College
AT&T Mobility, LLC Contribution



% of FCC Public Exposure Limit
Spatial average 0' - 6'

>= 5000 | >= 500 | >= 100 | >= 5 | < 5

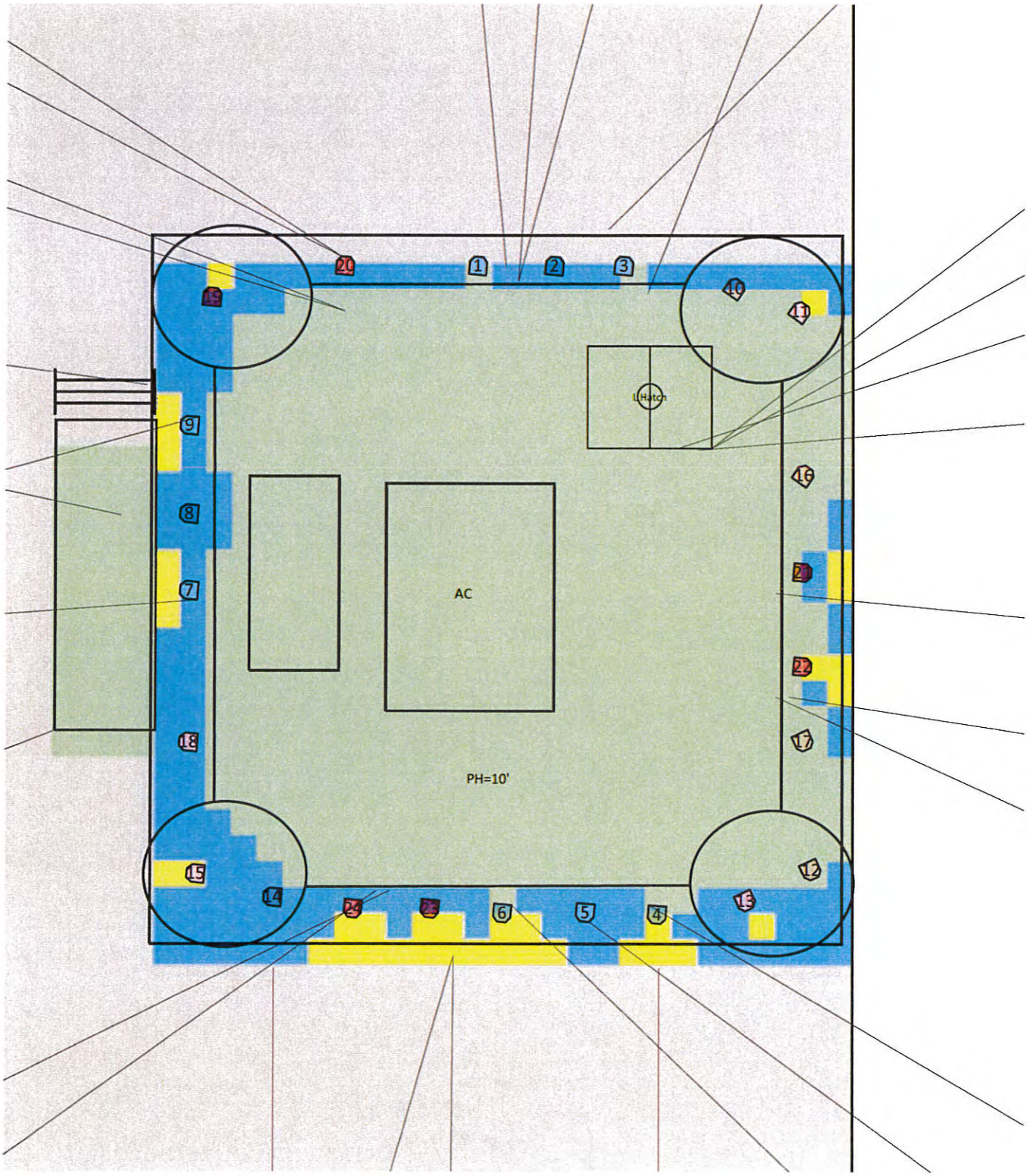
(Feet)

0 8.7 17.5

www.sitesafe.com
Site Name:East Concordia College

AT&T MOBILITY LLC	VERIZON WIRELESS	T-MOBILE	METROPCS	CRICKET COMMUNICATIONS	CLEARWIRE	SPRINT

RF Emissions Simulation For: East Concordia College
Detailed View



% of FCC Public Exposure Limit
Spatial average 0' - 6'

(Feet)

>= 5000 | >= 500 | >= 100 | >= 5 | < 5

0 2.6 5.3

www.sitesafe.com
Site Name:East Concordia College

AT&T MOBILITY LLC	VERIZON WIRELESS	T-MOBILE	METROPCS	CRICKET COMMUNICATIONS	CLEARWIRE	SPRINT

5 Site Compliance

5.1 Site Compliance Statement

Upon evaluation of the cumulative RF emission levels from all operators at this site, RF hazard signage and antenna locations, Sitesafe has determined that:

This site is compliant with the FCC rules and regulations, as described in OET Bulletin 65.

The compliance determination is based on General Public RFE levels derived from theoretical modeling, RF signage placement, proposed antenna inventory and the level of restricted access to the antennas at the site. Any deviation from the AT&T Mobility, LLC's proposed deployment plan could result in the site being rendered non-compliant.

Modeling is used for determining compliance and the percentage of MPE contribution.

5.2 Actions for Site Compliance

Based on FCC regulations, common industry practice, and our understanding of AT&T Mobility, LLC RF Safety Policy requirements, this section provides a statement of recommendations for site compliance. Recommendations have been proposed based on our understanding of existing access restrictions, signage, and an analysis of predicted RFE levels.

This site is compliant with the FCC rules and regulations.

Site Access Location

Note: Ensure the Information 1, Information 2 and Blue Notice signs are existing at the access.

Penthouse Access Hatch Location

Note: Ensure the Information 1, Information 2 and Blue Notice signs are existing at the access.

AT&T Mobility, LLC Proposed Alpha Sector Location

Note: Ensure the Information 1, Yellow Caution, Yellow Caution 2 and Blue Notice signs are existing at alpha sector.

AT&T Mobility, LLC Proposed Beta Sector Location

Note: Ensure the Yellow Caution 2 and Blue Notice signs are existing at beta sector.

AT&T Mobility, LLC Proposed Gamma Sector Location

Note: Ensure the Yellow Caution 2 and Blue Notice signs are existing at beta sector.

***Note:** Implement an RF safety plan, as outlined below in Appendix C, for anyone accessing the penthouse level.

6 Engineer Certification

The professional engineer whose seal appears on the cover of this document hereby certifies and affirms that:

I am registered as a Professional Engineer in the jurisdiction indicated in the professional engineering stamp on the cover of this document; and

That I am an employee of Sitesafe, Inc., in Arlington, Virginia, at which place the staff and I provide RF compliance services to clients in the wireless communications industry; and

That I am thoroughly familiar with the Rules and Regulations of the Federal Communications Commission (FCC) as well as the regulations of the Occupational Safety and Health Administration (OSHA), both in general and specifically as they apply to the FCC Guidelines for Human Exposure to Radio-frequency Radiation; and

That I have thoroughly reviewed this Site Compliance Report and believe it to be true and accurate to the best of my knowledge as assembled by and attested to by Michelle Stone.

December 11, 2015

Appendix A – Statement of Limiting Conditions

Sitesafe has provided computer generated model(s) in this Site Compliance Report to show approximate dimensions of the site, and the model is included to assist the reader of the compliance report to visualize the site area, and to provide supporting documentation for Sitesafe's recommendations.

Sitesafe may note in the Site Compliance Report any adverse physical conditions, such as needed repairs, that Sitesafe became aware of during the normal research involved in creating this report. Sitesafe will not be responsible for any such conditions that do exist or for any engineering or testing that might be required to discover whether such conditions exist. Because Sitesafe is not an expert in the field of mechanical engineering or building maintenance, the Site Compliance Report must not be considered a structural or physical engineering report.

Sitesafe obtained information used in this Site Compliance Report from sources that Sitesafe considers reliable and believes them to be true and correct. Sitesafe does not assume any responsibility for the accuracy of such items that were furnished by other parties. When conflicts in information occur between data collected by Sitesafe provided by a second party and data collected by Sitesafe, the data will be used.

Appendix B – Regulatory Background Information

FCC Rules and Regulations

In 1996, the Federal Communication Commission (FCC) adopted regulations for the evaluating of the effects of RF emissions in 47 CFR § 1.1307 and 1.1310. The guideline from the FCC Office of Engineering and Technology is Bulletin 65 ("OET Bulletin 65"), *Evaluating Compliance with FCC Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields*, Edition 97-01, published August 1997. Since 1996 the FCC periodically reviews these rules and regulations as per their congressional mandate.

FCC regulations define two separate tiers of exposure limits: Occupational or "Controlled environment" and General Public or "Uncontrolled environment". The General Public limits are generally five times more conservative or restrictive than the Occupational limit. These limits apply to *accessible* areas where workers or the general public may be exposed to Radio Frequency (RF) electromagnetic fields.

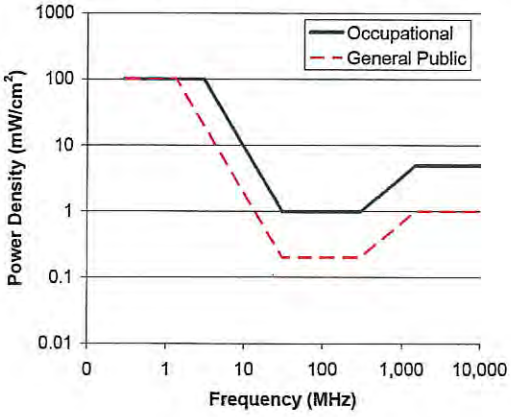
Occupational or Controlled limits apply in situations in which persons are exposed as a consequence of their employment and where those persons exposed have been made fully aware of the potential for exposure and can exercise control over their exposure.

An area is considered a Controlled environment when access is limited to these aware personnel. Typical criteria are restricted access (i.e. locked or alarmed doors, barriers, etc.) to the areas where antennas are located coupled with proper RF warning signage. A site with Controlled environments is evaluated with Occupational limits.

All other areas are considered Uncontrolled environments. If a site has no access controls or no RF warning signage it is evaluated with General Public limits.

The theoretical modeling of the RF electromagnetic fields has been performed in accordance with OET Bulletin 65. The Maximum Permissible Exposure (MPE) limits utilized in this analysis are outlined in the following diagram:

FCC Limits for Maximum Permissible Exposure (MPE)
Plane-wave Equivalent Power Density



Limits for Occupational/Controlled Exposure (MPE)

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm^2)	Averaging Time $\|E\|^2$, $\|H\|^2$ or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842/f	4.89/f	($900/f^2$)*	6
30-300	61.4	0.163	1.0	6
300-1500	--	--	f/300	6
1500-100,000	--	--	5	6

Limits for General Population/Uncontrolled Exposure (MPE)

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm^2)	Averaging Time $\|E\|^2$, $\|H\|^2$ or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	($180/f^2$)*	30
30-300	27.5	0.073	0.2	30
300-1500	--	--	f/1500	30
1500-100,000	--	--	1.0	30

f = frequency in MHz *Plane-wave equivalent power density

OSHA Statement

The General Duty clause of the OSHA Act (Section 5) outlines the occupational safety and health responsibilities of the employer and employee. The General Duty clause in Section 5 states:

(a) Each employer –

(1) shall furnish to each of his employees employment and a place of employment which are free from recognized hazards that are causing or are likely to cause death or serious physical harm to his employees;

(2) shall comply with occupational safety and health standards promulgated under this Act.

(b) Each employee shall comply with occupational safety and health standards and all rules, regulations, and orders issued pursuant to this Act which are applicable to his own actions and conduct.

OSHA has defined Radiofrequency and Microwave Radiation safety standards for workers who may enter hazardous RF areas. Regulation Standards 29 CFR § 1910.147 identify a generic Lock Out Tag Out procedure aimed to control the unexpected energization or start up of machines when maintenance or service is being performed.

Appendix C – Safety Plan and Procedures

The following items are general safety recommendations that should be administered on a site by site basis as needed by the carrier.

General Maintenance Work: Any maintenance personnel required to work immediately in front of antennas and / or in areas indicated as above 100% of the Occupational MPE limits should coordinate with the wireless operators to disable transmitters during their work activities.

Training and Qualification Verification: All personnel accessing areas indicated as exceeding the General Population MPE limits should have a basic understanding of EME awareness and RF Safety procedures when working around transmitting antennas. Awareness training increases a workers understanding to potential RF exposure scenarios. Awareness can be achieved in a number of ways (e.g. videos, formal classroom lecture or internet based courses).

Physical Access Control: Access restrictions to transmitting antennas locations is the primary element in a site safety plan. Examples of access restrictions are as follows:

- Locked door or gate
- Alarmed door
- Locked ladder access
- Restrictive Barrier at antenna (e.g. Chain link with posted RF Sign)

RF Signage: Everyone should obey all posted signs at all times. RF signs play an important role in properly warning a worker prior to entering into a potential RF Exposure area.

Assume all antennas are active: Due to the nature of telecommunications transmissions, an antenna transmits intermittently. Always assume an antenna is transmitting. Never stop in front of an antenna. If you have to pass by an antenna, move through as quickly and safely as possible thereby reducing any exposure to a minimum.

Maintain a 3 foot clearance from all antennas: There is a direct correlation between the strength of an EME field and the distance from the transmitting antenna. The further away from an antenna, the lower the corresponding EME field is.

Site RF Emissions Diagram: Section 4 of this report contains an RF Diagram that outlines various theoretical Maximum Permissible Exposure (MPE) areas at the site. The modeling is a worst case scenario assuming a duty cycle of 100% for each transmitting antenna at full power. This analysis is based on one of two access control criteria: General Public criteria means the access to the site is uncontrolled and anyone can gain access. Occupational criteria means the access is restricted and only properly trained individuals can gain access to the antenna locations.

Appendix D – RF Emissions

The RF Emissions Simulation(s) in this report display theoretical spatially averaged percentage of the Maximum Permissible Exposure for all systems at the site unless otherwise noted. These diagrams use modeling as prescribed in OET Bulletin 65 and assumptions detailed in Appendix E.

The key at the bottom of each RF Emissions Simulation indicates percentages displayed referenced to FCC General Public Maximum Permissible Exposure (MPE) limits. Color coding on the diagram is as follows:

- Areas indicated as Gray are predicted to be below 5% of the MPE limits. **Gray represents areas more than 20 times below the most conservative exposure limit.**
- Green represents areas are predicted to be between 5% and 100% of the MPE limits. **Green areas are accessible to anyone.**
- Blue represents areas predicted to exceed the General Public MPE limits but are less than Occupational limits. **Blue areas should be accessible only to RF trained workers.**
- Yellow represents areas predicted to exceed Occupational MPE limits. **Yellow areas should be accessible only to RF trained workers able to assess current exposure levels.**
- Red represents areas predicted to have exposure more than 10 times the Occupational MPE limits. **Red indicates that the RF levels must be reduced prior to access.** An RF Safety Plan is required which outlines how to reduce the RF energy in these areas prior to access.

Appendix E – Assumptions and Definitions

General Model Assumptions

In this site compliance report, it is assumed that all antennas are operating at **full power at all times.** Software modeling was performed for all transmitting antennas located on the site. Sitesafe has further assumed a 100% duty cycle and maximum radiated power.

The site has been modeled with these assumptions to show the maximum RF energy density. Sitesafe believes this to be a *worst-case* analysis, based on best available data. Areas modeled to predict emissions greater than 100% of the applicable MPE level may not actually occur, but are shown as a *worst-case* prediction that could be realized real time. Sitesafe believes these areas to be safe for entry by occupationally trained personnel utilizing appropriate personal protective equipment (in most cases, a personal monitor).

Thus, at any time, if power density measurements were made, we believe the real-time measurements would indicate levels below those depicted in the RF emission diagram(s) in this report. By modeling in this way, Sitesafe has conservatively shown exclusion areas – areas that should not be entered without the use of a personal monitor, carriers reducing power, or performing real-time measurements to indicate real-time exposure levels.

Use of Generic Antennas

For the purposes of this report, the use of "Generic" as an antenna model, or "Unknown" for an operator means the information about a carrier, their FCC license and/or antenna information was not provided and could not be obtained while on site. In the event of unknown information, Sitesafe will use our industry specific knowledge of equipment, antenna models, and transmit power to model the site. If more specific information can be obtained for the unknown measurement criteria, Sitesafe recommends remodeling of the site utilizing the more complete and accurate data. Information about similar facilities is used when the service is identified and associated with a particular antenna. If no information is available regarding the transmitting service associated with an unidentified antenna, using the antenna manufacturer's published data regarding the antenna's physical characteristics makes more conservative assumptions.

Where the frequency is unknown, Sitesafe uses the closest frequency in the antenna's range that corresponds to the highest Maximum Permissible Exposure (MPE), resulting in a conservative analysis.

Definitions

5% Rule – The rules adopted by the FCC specify that, in general, at multiple transmitter sites actions necessary to bring the area into compliance with the guidelines are the shared responsibility of all licensees whose transmitters produce field strengths or power density levels at the area in question in excess of 5% of the exposure limits. In other words, any wireless operator that contributes 5% or greater of the MPE limit in an area that is identified to be greater than 100% of the MPE limit is responsible taking corrective actions to bring the site into compliance.

Compliance – The determination of whether a site is safe or not with regards to Human Exposure to Radio Frequency Radiation from transmitting antennas.

Decibel (dB) – A unit for measuring power or strength of a signal.

Duty Cycle – The percent of pulse duration to the pulse period of a periodic pulse train. Also, may be a measure of the temporal transmission characteristic of an intermittently transmitting RF source such as a paging antenna by dividing average transmission duration by the average period for transmission. A duty cycle of 100% corresponds to continuous operation.

Effective (or Equivalent) Isotropic Radiated Power (EIRP) – The product of the power supplied to the antenna and the antenna gain in a given direction relative to an isotropic antenna.

Effective Radiated Power (ERP) – In a given direction, the relative gain of a transmitting antenna with respect to the maximum directivity of a half wave dipole multiplied by the net power accepted by the antenna from the connecting transmitter.

Gain (of an antenna) – The ratio of the maximum intensity in a given direction to the maximum radiation in the same direction from an isotropic radiator. Gain is a measure of the relative efficiency of a directional antennas as compared to an omni directional antenna.

General Population/Uncontrolled Environment – Defined by the FCC, as an area where exposure to RF energy may occur to persons who are **unaware** of the potential for exposure and who have no control of their exposure. General Population is also referenced as General Public.

Generic Antenna – For the purposes of this report, the use of "Generic" as an antenna model means the antenna information was not provided and could not be obtained while on site. In the event of unknown information, Sitesafe will use our industry specific knowledge of antenna models to select a worst case scenario antenna to model the site.

Isotropic Antenna – An antenna that is completely non-directional. In other words, an antenna that radiates energy equally in all directions.

Maximum Measurement – This measurement represents the single largest measurement recorded when performing a spatial average measurement.

Maximum Permissible Exposure (MPE) – The maximum levels of RF exposure a person may be exposed to without harmful effect and with acceptable safety factor.

Occupational/Controlled Environment – Defined by the FCC, as an area where Radio Frequency Radiation (RFR) exposure may occur to persons who are **aware** of the

potential for exposure as a condition of employment or specific activity and can exercise control over their exposure.

OET Bulletin 65 – Technical guideline developed by the FCC's Office of Engineering and Technology to determine the impact of Radio Frequency radiation on Humans. The guideline was published in August 1997.

OSHA (Occupational Safety and Health Administration) – Under the Occupational Safety and Health Act of 1970, employers are responsible for providing a safe and healthy workplace for their employees. OSHA's role is to promote the safety and health of America's working men and women by setting and enforcing standards; providing training, outreach and education; establishing partnerships; and encouraging continual process improvement in workplace safety and health. For more information, visit www.osha.gov.

Radio Frequency (RF) – The frequencies of electromagnetic waves which are used for radio communications. Approximately 3 kHz to 300 GHz.

Radio Frequency Exposure (RFE) – The amount of RF power density that a person is or might be exposed to.

Spatial Average Measurement – A technique used to average a minimum of ten (10) measurements taken in a ten (10) second interval from zero (0) to six (6) feet. This measurement is intended to model the average power density an average sized human will be exposed to at a location.

Transmitter Power Output (TPO) – The radio frequency output power of a transmitter's final radio frequency stage as measured at the output terminal while connected to a load.

Appendix F – References

The following references can be followed for further information about RF Health and Safety.

Sitesafe, Inc.
http://www.sitesafe.com
FCC Radio Frequency Safety
http://www.fcc.gov/encyclopedia/radio-frequency-safety
National Council on Radiation Protection and Measurements (NCRP)
http://www.ncrponline.org
Institute of Electrical and Electronics Engineers, Inc., (IEEE)
http://www.ieee.org
American National Standards Institute (ANSI)
http://www.ansi.org
Environmental Protection Agency (EPA)
http://www.epa.gov/radtown/wireless-tech.html
National Institutes of Health (NIH)
http://www.niehs.nih.gov/health/topics/agents/emf/
Occupational Safety and Health Agency (OSHA)
http://www.osha.gov/SLTC/radiofrequencyradiation/
International Commission on Non-Ionizing Radiation Protection (ICNIRP)
http://www.icnirp.org
World Health Organization (WHO)
http://www.who.int/peh-emf/en/
National Cancer Institute
http://www.cancer.gov/cancertopics/factsheet/Risk/cellphones
American Cancer Society (ACS)
http://www.cancer.org/docroot/PED/content/PED_1_3X_Cellular_Phone_Towers.asp?siteareа=PED
European Commission Scientific Committee on Emerging and Newly Identified Health Risks
http://ec.europa.eu/health/ph_risk/committees/04_scenihr/docs/scenihr_o_022.pdf
Fairfax County, Virginia Public School Survey
http://www.fcps.edu/fts/safety-security/RFEESurvey/
UK Health Protection Agency Advisory Group on Non-ionising Radiation
http://www.hpa.org.uk/webw/HPAweb&HPAwebStandard/HPAweb_C/1317133826368
Norwegian Institute of Public Health
http://www.fhi.no/dokumenter/545eea7147.pdf

EXHIBIT G

ROOFTOP LEASE WITH OPTION

THIS ROOFTOP LEASE WITH OPTION (this "Lease") is by and between **Concordia College**, a corporation organized and existing under the laws of the state of New York ("Landlord") and **New Cingular Wireless PCS, LLC**, a Delaware limited liability company ("Tenant").

1. Option to Lease.

(a) In consideration [redacted], Landlord hereby grants to Tenant an option to lease a portion of the real property described in the attached Exhibit A (the "Property"), on the terms and conditions set forth herein (the "Option"). The Option shall be for an initial term of twelve (12) months, commencing on the Effective Date (as defined below) (the "Option Period"). The Option Period may be extended by Tenant for an additional twelve (12) months upon written notice to Landlord and [redacted] at any time prior to the end of the Option Period.

(b) During the Option Period and any extension thereof, and during the Initial Term and any Renewal Term or Extended Renewal Term (as those terms are defined below) of this Lease, Landlord agrees to cooperate with Tenant in obtaining, at Tenant's expense, all licenses and permits or authorizations required for Tenant's use of the Premises (as defined below) from all applicable government and/or regulatory entities (including, without limitation, zoning and land use authorities, and the Federal Communications Commission ("FCC") ("Governmental Approvals"), including all land use and zoning permit applications, and Landlord agrees to cooperate with and to allow Tenant, at no cost to Landlord, to obtain a title report, zoning approvals and variances, land-use permits. Landlord authorizes Tenant to prepare, execute and file, with reasonable advanced notice to Landlord, all required applications to obtain all necessary government approvals for Tenant's use as provided for under this Agreement and agrees to reasonably assist Tenant with such applications and with obtaining and maintaining such governmental approvals. In addition, Tenant shall have the right to initiate the ordering and/or scheduling of necessary utilities. Landlord expressly grants to Tenant a right of access to the Property to perform any surveys, soil tests, and other engineering procedures or environmental investigations ("Tests") on the Property deemed necessary or appropriate by Tenant to evaluate the suitability of the Property for the uses contemplated under this Lease, provided Tenant notifies Landlord within twenty four hours of Tenant's entry to permit Landlord reasonable opportunity to have a representative of Landlord present during any and all Tests at the Property. During the Option Period and any extension thereof, and during the Initial Term or any Renewal Term or Extended Renewal Term of this Lease, Landlord agrees that it will not interfere with Tenant's efforts to secure other licenses and permits or authorizations that relate to other property. During the Option Period and any extension thereof, Tenant may exercise the Option by so notifying Landlord in writing, at Landlord's address in accordance with Section 12 hereof.

(c) If Tenant exercises the Option, then Landlord hereby leases to Tenant that portion of certain space on the roof of, and within the building (the "Feth Hall") located on the Property sufficient for placement of the Antenna Facilities (as defined below), together with all necessary space and easements for access and utilities, as generally described and depicted in the attached Exhibit B (collectively referred to hereinafter as the "Premises"). The Premises, located at 171 White Plains Road, Bronxville, Westchester County, NY 10708, comprises approximately 232 square feet. Notwithstanding anything contained herein to the contrary, the Premises, as defined, shall include, but not be limited to, the following: cable runs and associated cable trays from the base transceiver station(s) (also referred to as the BTS) and the installation of power, telephone and other utility service cables, but such items shall not be included in the calculation for the square footage comprising the Premises.

2. Term. The initial term of this Lease shall be five (5) years commencing on the date of exercise of the Option (the "Commencement Date"), and terminating at midnight on the last day of the initial term (the "Initial Term").

3. Renewal. Tenant shall have the right to extend this Lease for two (2) additional and successive five-year terms (each a "Renewal Term") on the same terms and conditions as set forth herein. This Lease shall automatically renew for each successive Renewal Term unless Tenant notifies Landlord, in writing, of Tenant's intention not to renew this Lease, at least thirty (30) days prior to the expiration of the Initial Term or any Renewal Term. The Renewal Term may be extended at any time prior to the expiration of the second additional Renewal Term (years ten through fifteen, provided both Tenant and Landlord mutually agree in writing to the extension of an additional five-year term ("Extended Renewal Term") and shall continue in the same manner thereafter until the Lease is terminated. If Tenant shall remain in possession of the Premises at the expiration of this Lease or any Renewal Term or any Extended Renewal Term without a written agreement, such tenancy shall be deemed a month-to-month tenancy under the same terms and conditions of this Lease.

4. Rent.

(a) From and after the Commencement Date, Tenant shall pay Landlord or designee, as rent, [redacted] The first payment of Rent shall be due within twenty (20) days following the Commencement Date and shall be prorated based on the days remaining in the month following the Commencement Date, and thereafter Rent will be payable monthly in advance by the fifth day of each month to Landlord at the address specified in Section 12 below. If this Lease is terminated for any reason (other than a default by Tenant) at a time other than on the last day of a month, [redacted] immediately refunded to Tenant. Landlord, its successors, assigns and/or designee, if any, will submit to Tenant any documents required by Tenant in connection with the payment of Rent, including, without limitation, an IRS Form W-9.

(b) During the Initial Term and any Renewal Terms or Extended Renewal Terms, monthly Rent shall be adjusted , effective on the first day of each year of the Initial, [redacted]

5. Permitted Use. Subject to Paragraph 7(a) herein, the Premises may be used by Tenant for the transmission and reception of radio communication signals and for the construction, installation, operation, maintenance, repair, removal or replacement of related facilities, including, without limitation, antennas, microwave dishes, equipment shelters and/or cabinets and related activities.

6. Interference. Tenant shall not use the Premises in any way which interferes with the use of the Property by Landlord or lessees or licensees of Landlord with rights in the Property prior in time to Tenant's (subject to Tenant's rights under this Lease, including, without limitation, non-interference). Notwithstanding the above, Tenant's Antenna Facilities, as hereinafter defined, including installation, maintenance and operation, shall not cause interference which substantially interferes with Landlord's operation as a liberal arts college and its use or its other non-wireless carrier lessees or licensees, use of radio, television, telephone, computers and accessory equipment, audiovisual equipment, facsimile machines, microwaves, air conditioners or other similar household or office appliances existing prior to and subsequent from the Commencement Date of the Lease and operating according to the manufacturers specifications. Similarly, Landlord shall not use, nor shall Landlord permit its lessees, licensees, employees, invitees or agents to use, any portion of the Property in any way which interferes with the operations of Tenant. Such interference shall be deemed a material breach by the interfering party, who shall, upon written notice from the other, be responsible for terminating said interference. The interfering party will cease such interference, promptly after notice thereof, except for brief tests necessary for the elimination of the interference and until it is able to resolve the problem. In the event any such interference does not cease promptly, the parties acknowledge that continuing interference may cause irreparable injury and, therefore, the injured party shall have the right, in addition to any other rights that it may have at law or in equity, to bring a court action to enjoin such interference or to terminate this Lease immediately upon written notice.

7. Improvements; Utilities; Access.

(a) Tenant shall have the right, at its expense, to erect and maintain on the Premises improvements, personal property and facilities necessary to operate its communications system, including, without limitation, radio transmitting and receiving antennas, microwave dishes, tower and base, equipment shelters and/or cabinets and related cables and utility lines and a location based system, as such location based system may be required by any county, state or federal agency/department, including, without limitation, additional antenna(s), coaxial cable, base units and other associated equipment (collectively, the "Antenna Facilities"). Tenant shall have the right to alter, replace, expand, enhance and upgrade the Antenna Facilities at any time during the term of this Lease and to modify or replace equipment to be in compliance with any current or future federal, state or local mandated application, including, but not limited to, emergency 911 communication services, at no additional cost to Tenant or Landlord, provided the square footage of the Premises, and/or the height and weight of the equipment is not increased and there is no change to the appearance of the stealth façade improvement from the ground level of the Property. For a period of ninety (90) days following the start of construction, Landlord grants Tenant, its subtenants, licensees and sublicensees, the right to use such portions of Landlord's contiguous, adjoining or surrounding property as described on Exhibit "1" hereto (the "Surrounding Property"), as may reasonably be required during construction and installation of the Antenna Facilities subject to Landlord's approval which such approval shall not be unreasonably withheld, conditioned, or delayed. In the event the weight of the equipment is increased, Tenant shall conduct a structural test at its expense and shall only make the modification if the structural test results are successful or if Tenant is able to reinforce the rooftop so that the structural integrity of Feth Hall is not affected. Tenant shall cause all construction to occur lien-free and in compliance with all applicable laws and ordinances. Notwithstanding Paragraph 14 herein, in the event Omnipoint Communications, Inc. exposes asbestos at the Premises as a direct result of its construction and installation of the Shared Elements (as defined in subsection 7(a)(iii)) and/or removal of the Shared Elements, Omnipoint Communications, Inc. shall handle and remove the asbestos, at Omnipoint Communications, Inc. expense and in accordance with all applicable governmental standards, from the area of the rooftop and/or the turret in which the utilities lines are placed. Landlord acknowledges that it shall neither interfere with any aspects of construction nor attempt to direct construction personnel as to the location of or method of installation of the Antenna Facilities and the Easements (as defined below). The Antenna Facilities shall remain the exclusive property of Tenant and shall not be considered fixtures. Tenant shall have the right to remove the Antenna Facilities at any time during and upon the expiration or termination of this Lease, subject to Section 7(c) below. The final construction drawings shall be subject to Landlord's prior approval, which approval shall not be unreasonably withheld, conditioned, denied, or delayed. Landlord shall signify approval by signing off on the final construction drawings. Landlord further agrees to cooperate with Tenant so that Tenant can modify the final construction drawings for Landlord's reasonable approval as provided above. Landlord shall have ten (10) days from the date of receipt of final construction drawings or any modified final construction drawings to approve or disapprove of the same or the final construction drawings shall be deemed approved. After Landlord's (i) failure to respond in writing via fax, letter or email to Tenant's proposed construction drawing within ten (10) days of their receipt; or (ii) failure to provide a written response within ten (10) days of receipt of revised construction drawing by Tenant after comment from Landlord in accordance with this paragraph, the construction drawings will be deemed approved. After approval or deemed approval, the construction drawings will be considered incorporated in this Agreement as Exhibit 1. If the Landlord disapproves the construction drawings then the Tenant will provide the Landlord with revised construction drawings, such revisions to be within Tenant's reasonable discretion. In the event Landlord disapproves of the construction drawings upon a second (2nd) submission, Tenant may terminate this Agreement. Landlord will not knowingly permit or suffer any person to copy or utilize the construction drawings for any purpose other than as provided in this Agreement and will return the construction drawings to Tenant promptly upon request.

(i) Tenant shall cooperate with Omnipoint Communications, Inc. in connection with Omnipoint Communications, Inc.'s construction and installation of the Shared Elements (as defined in subsection 7(a)(iii)), [redacted]

(ii) Tenant shall be responsible for any damage to the rooftop and/or elsewhere on the Property that is directly attributable to Tenant's presence and/or the Antenna Facilities and shall immediately notify Landlord if such damage occurs. Landlord represents that it shall contract with additional carriers ("Co-Locator(s)"), making same responsible for damages caused by said Co-Locator(s). Notwithstanding the above, during the initial installation of the Antenna Facilities and the stealth façade improvement and the

Co-Locator(s) rooftop installation of its/their respective equipment (collectively "Initial Construction"), Omnipoint Communications, Inc. shall have a representative present in order to oversee the construction and shall be responsible to Landlord for apportioning the responsibility among Omnipoint Communications, Inc. and Co-Locators for any damage to the rooftop and/or elsewhere on the Property. Omnipoint Communication, Inc.'s responsibility for overseeing the apportionment of responsibility for potential rooftop damage and/or elsewhere on the Property among the Co-Locators shall cease upon completion of the Initial Construction. Tenant will utilize the same contractor and sub constructor as utilized by Omnipoint Communications, Inc. for the installation and construction of the stealth façade and stealth enclosure.

(iii) "Shared Elements" is defined as the stealth façade improvement and the up front utilities installation work. [redacted] Each Co-Locator shall be responsible for installing and maintaining its own antenna or other personal property.

(b) Tenant, at its expense, may use means of restricting access to the Antenna Facilities. In the event Tenant deems restricting access necessary, Tenant shall include the specifics regarding the method for restricting access in the final construction drawings for Landlord's approval, which approval shall not be unreasonably withheld, conditioned or delayed and in accordance with Section 7(a) herein.

(c) Tenant shall, at Tenant's expense, keep and maintain the Antenna Facilities now or hereafter located on the Property in commercially reasonable condition and repair during the term of this Lease, normal wear and tear and casualty excepted. Upon termination or expiration of this Lease, the Premises shall be returned to Landlord in good, usable condition, normal wear and tear and casualty excepted. Said casualty shall be subject to Section 8(d) herein. Tenant shall not remove the stealth façade improvement to Feth Hall upon the expiration or termination of this Lease and shall return the stealth façade improvement to Landlord in good usable condition, normal wear and tear excepted; however, all Tenant obligations to keep and maintain the stealth facade improvement to Feth Hall shall cease at that time and shall become the responsibility of Landlord.

(d) Subject to Paragraph 7(a) herein, Tenant shall have the right to install utilities, at Tenant's expense, and to improve the present utilities on the Property (including, but not limited to, the installation of emergency power generators, which shall be for temporary use only). Landlord agrees to use reasonable efforts in assisting Tenant to acquire necessary utility service. Tenant shall, wherever practicable, install separate meters for utilities used on the Property by Tenant. In the event separate meters are not installed, Tenant shall pay the periodic charges for all utilities attributable to Tenant's use, at the rate charged by the servicing utility. Landlord shall diligently correct any variation, interruption or failure of utility service. Tenant shall have the right to install necessary conduit and sleeving from the roof to the point of connection within Feth Hall subject to Landlord's prior consent, not to be unreasonably withheld, conditioned, denied, or delayed and in accordance with Section 7(a) herein .

(e) As partial consideration for Rent paid under this Lease, Landlord hereby grants Tenant easements on, under and across the Property for ingress, egress, utilities and access (including access for the purposes described in Section 1) to the Premises adequate to install and maintain utilities, including, but not limited to, the installation of power and telephone service cable, and to service the Premises and the Antenna Facilities at all times during the Initial Term of this Lease and any Renewal Term or Extended Renewal Term (collectively, the "Easements"). The Easements provided hereunder shall have the same term as this Lease.

(f) Tenant shall have access to the Premises ("Access") during normal business hours, Monday through Friday, except holidays, during the Initial Term of this Lease and any Renewal Term or Extended Renewal Term, at no charge to Tenant. In the event Tenant requires access to the Premises outside of normal business hours, Tenant shall provide Landlord with at least twenty four (24) hours prior notice. However, Tenant shall have access to the Premises 24-hours-a-day, 7-days-a-week for the purpose of addressing an emergency ("Emergency Access") or service interruption, as determined in Tenant's sole discretion. Within thirty (30) days following Landlord's receipt of notice of Lease commencement, Landlord, shall provide Tenant with telephone numbers for Emergency Access. Tenant shall provide Landlord with notice of its Emergency Access as soon thereafter as practicable.

(g) Landlord shall maintain and repair all access roadways from the nearest public roadway to the Premises in a manner sufficient to allow vehicular and pedestrian access at all times, at its sole expense, except for any damage to such roadways caused by Tenant.

8. Termination. Except as otherwise provided herein, this Lease may be terminated, without any penalty or further liability as follows:

(a) upon thirty (30) days' written notice by Landlord if Tenant fails to cure a default for payment of amounts due under this Lease within such thirty (30) day period;

(b) immediately upon written notice by Tenant if Tenant notifies Landlord of any unacceptable results of any Tests prior to Tenant's installation of the Antenna Facilities on the Premises, or if Tenant does not obtain, maintain, or otherwise forfeits or cancels any license (including, without limitation, an FCC license), permit or any Governmental Approval necessary to the installation and/or operation of the Antenna Facilities or Tenant's business;

(c) upon thirty (30) days' written notice by Tenant if Tenant determines that the Property, Feth Hall or the Antenna Facilities are inappropriate or unnecessary for Tenant's operations for economic or technological reasons;

(d) immediately upon written notice by Tenant if the Premises, Feth Hall or the Antenna Facilities are destroyed or damaged so as in Tenant's reasonable judgment to substantially and adversely affect the effective use of the Antenna Facilities. In such event, all rights and

obligations of the parties shall cease as of the date of the damage or destruction, and Tenant shall be entitled to the reimbursement of any Rent prepaid by Tenant. If Tenant elects to continue this Lease, then all Rent shall abate until the Premises, Feth Hall and/or the Antenna Facilities are restored to the condition existing immediately prior to such damage or destruction; or

(e) at the time title to the Property transfers to a condemning authority pursuant to a taking of all or a portion of the Property sufficient in Tenant's determination to render the Premises unsuitable for Tenant's use. Landlord and Tenant shall each be entitled to pursue their own separate awards with respect to such taking. Sale of all or part of the Property to a purchaser with the power of eminent domain in the face of the exercise of the power shall be treated as a taking by condemnation.

9. Default and Right to Cure. Notwithstanding anything contained herein to the contrary and without waiving any other rights granted to it at law or in equity, each party shall have the right, but not the obligation, to terminate this Lease on written notice pursuant to Section 12 hereof, to take effect immediately, if the other party fails to perform any covenant or commits a material breach of this Lease and fails to diligently pursue a cure thereof to its completion after thirty (30) days' written notice specifying such failure of performance or default.

10. Taxes. [redacted] Landlord shall pay when due real property taxes for the Property, if any, including the Premises. In the event that Landlord fails to pay any such real property taxes or other fees and assessments, [redacted] If Landlord receives notice of any personal property or real property tax assessment against Landlord, which may affect Tenant and is directly attributable to Tenant's installation, Landlord shall provide timely notice of the assessment to Tenant sufficient to allow Tenant to consent to or challenge such assessment, whether in a Court, administrative proceeding, or other venue, on behalf of Landlord and/or Tenant. Further, Landlord shall provide to Tenant any and all documentation associated with the assessment and shall execute any and all documents reasonably necessary to effectuate the intent of this Section 10. In the event real property taxes are assessed against Landlord or Tenant for the Premises or the Property, Tenant shall have the right, but not the obligation, to terminate this Lease without further liability after thirty (30) days' written notice to Landlord, provided Tenant pays any real property taxes assessed as provided herein.

11. Insurance and Subrogation and Indemnification.

(a) Tenant and Landlord each will maintain Commercial General Liability Insurance in amounts of One Million and no/100 Dollars ($1,000,000.00) per occurrence and Two Million and no/100 Dollars ($2,000,000.00) aggregate. Each party may satisfy this requirement by obtaining the appropriate endorsement to any master policy of liability insurance such party may maintain.

(b) Tenant and Landlord shall each maintain "all risk" or "special causes of loss" property insurance on a replacement cost basis for their respective owned real and/or personal property.

(c) Landlord and Tenant hereby mutually release each other (and their successors or assigns) from liability and waive all right of recovery against the other for any loss or damage covered by their respective first party property insurance policies for all perils insured thereunder. In the event of such insured loss, neither party's insurance company shall have a subrogated claim against the other.

(d) Subject to the property insurance waivers set forth in subsection 11(c), Landlord and Tenant each agree to indemnify and hold harmless the other party from and against any and all claims, damages, costs and expenses, including reasonable attorney fees, to the extent caused by or arising out of the negligent acts or omissions or willful misconduct in the operations or activities on the Property by the indemnifying party or the employees, agents, contractors, licensees, tenants and/or subtenants of the indemnifying party, or a breach of any obligation of the indemnifying party under this Lease. The indemnifying party's obligations under this section are contingent upon its receiving prompt written notice of any event giving rise to an obligation to indemnify the other party and the indemnified party's granting it the right to control the defense and settlement of the same.

(e) Notwithstanding anything to the contrary in this Lease, the parties hereby confirm that the provisions of this Section 11 shall survive the expiration or termination of this Lease.

(f) Tenant shall not be responsible to Landlord, or any third-party, for any claims, costs or damages (including, fines and penalties) attributable to any pre-existing violations of applicable codes, statutes or other regulations governing the Property.

12. Notices. All notices, requests, demands and other communications shall be in writing and are effective three (3) days after deposit in the U.S. mail, certified and postage paid, or upon receipt if personally delivered or sent by next-business-day delivery via a nationally recognized overnight courier to the addresses set forth below. Landlord or Tenant may from time to time designate any other address for this purpose by providing written notice to the other party.

If sent to Tenant via certified or registered mail:

New Cingular Wireless PCS, LLC
Attn: Network Real Estate Administration
P.O. Box 1630, Alpharetta, GA 30009
Re: Cell Site #: N-617; Cell Site Name: Bronxville
Fixed Asset No: 1017449

OR

If sent to Tenant via nationally recognized overnight courier:

New Cingular Wireless PCS, LLC
Attn: Network Real Estate Administration
Re: Cell Site #: N-617; Cell Site Name: Bronxville
Fixed Asset No: 1017449
12555 Cingular Way
Alpharetta, GA 30004

And
With a required copy of the notice sent to either of the addresses above to AT&T Legal at:

New Cingular Wireless PCS, LLC
Attn: AT&T Legal Department
Re: Cell Site #: N-617; Cell Site Name: Bronxville
Fixed Asset No: 1017449
340 Mt. Kemble Ave.
Morristown, NJ 07960-6656

If to Landlord:

Concordia College
171 White Plains Road
Bronxville, NY 10708
Attn: Chief Financial Officer

13. Quiet Enjoyment, Title and Authority. As of the Effective Date and at all times during the Initial Term and any Renewal Terms or Extended Renewal Terms of this Lease, Landlord covenants and warrants to Tenant that (i) Landlord has full right, power and authority to execute and perform this Lease; (ii) Landlord has good and unencumbered fee title to the Property free and clear of any liens or mortgages, except those heretofore disclosed in writing to Tenant and which will not interfere with Tenant's rights to or use of the Premises; (iii) execution and performance of this Lease will not violate any laws, ordinances, covenants, or the provisions of any mortgage, lease, or other agreement binding on Landlord; and (iv) Tenant's quiet enjoyment of the Premises or any part thereof shall not be disturbed as long as Tenant is not in default beyond any applicable grace or cure period.

14. Environmental Laws.

(a) Landlord represents that it has no knowledge of any substance, chemical or waste (collectively, "Hazardous Substance") on the Property that is identified as hazardous, toxic or dangerous in any applicable federal, state or local law or regulation. Landlord and Tenant shall not introduce or use any Hazardous Substance on the Property in violation of any applicable law. Landlord shall be responsible for, and shall promptly conduct any investigation and remediation as required by any applicable environmental laws, all spills or other releases of any Hazardous Substance not caused solely by Tenant, that have occurred or which may occur on the Property. Each party agrees to defend, indemnify and hold harmless the other from and against any and all administrative and judicial actions and rulings, claims, causes of action, demands and liability (collectively, "Claims") including, but not limited to, damages, costs, expenses, assessments, penalties, fines, losses, judgments and reasonable attorney fees that the indemnitee may suffer or incur due to the existence of any Hazardous Substances on the Property or the migration of any Hazardous Substance to other properties or the release of any Hazardous Substance into the environment (collectively, "Actions"), that relate to or arise from the indemnitor's activities on the Property. Landlord agrees to defend, indemnify and hold Tenant harmless from Claims resulting from Actions on the Property not caused by Landlord or Tenant prior to and during the Initial Term and any Renewal Term or Extended Renewal Term. The indemnifications in this section specifically include, without limitation, costs incurred in connection with any investigation of site conditions or any cleanup, remedial, removal or restoration work required by any governmental authority. This Section 14 shall survive the termination or expiration of this Lease.

In the event Tenant becomes aware of any hazardous materials on the Property, or any environmental or industrial hygiene condition or matter relating to the Property that, in Tenant's sole determination, renders the condition of the Premises or Property unsuitable for Tenant's use, or if Tenant believes that the leasing or continued leasing of the Premises would expose Tenant to undue risks of government action, intervention or third-party liability, Tenant will have the right, in addition to any other rights it may have at law or in equity, to terminate the Agreement upon notice to Landlord.

15. Assignment and Subleasing. Tenant shall have the right to assign or otherwise transfer this Lease and the Easements (as defined above) to any person or business entity which: (i) is a parent, subsidiary or affiliate of Tenant or Tenant's parent; (ii) is merged or consolidated with Tenant; and/or (iii) acquires more than fifty percent (50%) of either an ownership interest in Tenant or the assets of Tenant in the "Metropolitan Trading Area" or "Basic Trading Area" (as those terms are defined by the FCC) in which the Property is located. Upon such assignment, Tenant shall be relieved of all liabilities and obligations hereunder and Landlord shall look solely to the assignee for performance under this Lease and all obligations hereunder. Tenant may otherwise assign this Lease upon written approval of Landlord, which approval shall not be unreasonably delayed, withheld, conditioned or denied.

Landlord shall have the right to assign or otherwise transfer this Lease and the Easements granted herein, upon written notice to Tenant except for the following; any assignment or transfer of this Lease which is separate and distinct from a transfer of Landlord's entire right, title and interest in the Property, shall require the prior written consent of Tenant which may be withheld in Tenant's sole discretion. Upon Tenant's receipt of (i) an executed deed or assignment and (ii) an IRS Form W-9 from assignee, and subject to Tenant's consent, if required, Landlord shall be relieved of all liabilities and obligations hereunder and Tenant shall look solely to the assignee for performance under this Lease and all obligations hereunder.

Additionally, notwithstanding anything to the contrary above, Landlord or Tenant may, upon notice to the other, grant a security interest in this Lease (and as regards the Tenant, in the Antenna Facilities), and may collaterally assign this Lease (and as regards the Tenant, in the Antenna Facilities) to any mortgagees or holders of security interests, including their successors or assigns (collectively "Secured Parties"). In such event, Landlord or Tenant, as the case may be, shall execute such consent to leasehold financing as may reasonably be required by Secured Parties.

16. Successors and Assigns. This Lease and the Easements granted herein shall run with the land, and shall be binding upon and inure to the benefit of the parties, their respective successors, personal representatives and assigns.

17. Waiver of Landlord's Lien. Landlord hereby waives any and all lien rights it may have, statutory or otherwise, concerning the Antenna Facilities or any portion thereof, which shall be deemed personal property for the purposes of this Lease, whether or not the same is deemed real or personal property under applicable laws, and Landlord gives Tenant and Secured Parties the right to remove all or any portion of the same from time to time, whether before or after a default under this Lease, in Tenant's and/or Secured Party's sole discretion and without Landlord's consent. Notwithstanding the above, Tenant and Secured Parties shall not have the right to remove the stealth façade improvement, which has been placed on the Premises to hide the antennas and other equipment from street level and improve the aesthetic design of Feth Hall.

18. SALE OF PROPERTY/RIGHT OF FIRST REFUSAL.

(a) If Landlord, at any time during the Initial Term, Renewal Term or any Extended Renewal Term of this Agreement, decides to sell, subdivide or rezone any of the Premises, all or any part of the Property or Surrounding Property, to a purchaser other than Tenant, Landlord shall promptly notify Tenant in writing, and such sale, subdivision or rezoning shall be subject to this Agreement and Tenant's rights hereunder. Landlord agrees not to sell, lease or use any areas of the Property or Surrounding Property for the installation, operation or maintenance of other wireless communications facilities if such installation, operation or maintenance would interfere with Tenant's use or communications equipment as determined by radio propagation tests performed by Tenant in its sole discretion. If the radio frequency propagation tests demonstrate levels of interference reasonably unacceptable to Tenant, Landlord shall be prohibited from selling, leasing or using any areas of the Property or the Surrounding Property for purposes of any installation, operation or maintenance of any other wireless communications facility or equipment. Landlord shall not be prohibited from the selling, leasing or use of any of the Property or the Surrounding Property for non-wireless communication use. In the event the Property is transferred, the new landlord shall have a duty at the time of such transfer to provide Tenant with a completed IRS Form W-9, or its equivalent, and other related paper work to effect a transfer in Rent to the new landlord. The provisions of this Section 18 shall in no way limit or impair the obligations of Landlord under Section 6 above.

(b) If at any time after the Effective Date (as defined below), Landlord receives a bona fide written offer from a third party seeking an assignment of the rental stream associated with this Lease ("Purchase Offer"), Landlord shall immediately furnish Tenant with a copy of the Purchase Offer, together with a representation that the Purchaser Offer is valid, genuine and true in all respects. [redacted]

Tenant's receipt of a copy of the Purchase Offer. If such third party modifies the Purchase Offer or the assignment does not occur within such ninety [redacted] in the Purchase Offer, as amended. The right of first refusal hereunder shall (i) survive any transfer of all or any part of the Property or assignment of all or any part of the Lease; (ii) bind and inure to the benefit of, Landlord and Tenant and their respective heirs, successors and assigns; (iii) run with the land; and (iv) terminate upon the expiration or earlier termination or this Lease.

19. Miscellaneous.

(a) The prevailing party in any litigation arising hereunder shall be entitled to reimbursement from the other party of its reasonable attorneys' fees and court costs, including appeals, if any.

(b) This Lease constitutes the entire agreement and understanding of the parties, and supersedes all offers, negotiations and other agreements with respect to the subject matter and property covered by this Lease. Any amendments to this Lease must be in writing and executed by both parties.

(c) Landlord agrees to cooperate with Tenant in executing any documents necessary to protect Tenant's rights in or use of the Premises. A Memorandum of Lease in substantially the form attached hereto as Exhibit C may be recorded in place of this Lease by Tenant.

(d) In the event the Property is encumbered by a mortgage or deed of trust, Landlord agrees, upon request of Tenant, to obtain and furnish to Tenant a non-disturbance and attornment agreement for each such mortgage or deed of trust, in a form reasonably acceptable to Tenant.

(e) Tenant may obtain title insurance on its interest in the Premises. Landlord agrees to execute such documents as the title company may require in connection therewith.

(f) This Lease shall be construed in accordance with the laws of the state in which the Property is located, without regard to the conflicts of law principles of such state.

(g) If any term of this Lease is found to be void or invalid, the remaining terms of this Lease shall continue in full force and effect. Any questions of particular interpretation shall not be interpreted against the drafter, but rather in accordance with the fair meaning thereof. No provision of this Lease will be deemed waived by either party unless expressly waived in writing by the waiving party. No waiver shall be implied by delay or any other act or omission of either party. No waiver by either party of any provision of this Lease shall be deemed a waiver of such provision with respect to any subsequent matter relating to such provision.

(h) The persons who have executed this Lease represent and warrant that they are duly authorized to execute this Lease in their individual or representative capacities as indicated.

(i) This Lease may be executed in any number of counterparts, each of which shall be deemed an original, but all of which together shall constitute a single instrument.

(j) All Exhibits referred to herein and any Addenda are incorporated herein for all purposes. The parties understand and acknowledge that Exhibits A and B may be attached to this Lease and the Memorandum of Lease, in preliminary form. Accordingly, the parties agree that upon the preparation of final, more complete exhibits, Exhibits A and/or B, as the case may be, may be replaced by Tenant with such final, more complete exhibit(s), provided Tenant obtains Landlord's consent before a replacement occurs.

(k) If either party is represented by any broker or any other leasing agent, such party is responsible for all commission fee or other payment to such agent, and agrees to indemnify and hold the other party harmless from all claims by such broker or anyone claiming through such broker.

(l) Unless otherwise specified, the following rules of construction and interpretation apply: (i) captions are for convenience and reference only and in no way define or limit the construction of the terms and conditions hereof; (ii) use of the term "including" will be interpreted to mean "including but not limited to"; (iii) whenever a party's consent is required under this Lease, except as otherwise stated in the Lease or as same may be duplicative, such consent will not be unreasonably withheld, conditioned or delayed; (iv) exhibits are an integral part of the Lease and are incorporated by reference into this Lease; (v) use of the terms "termination" or "expiration" are interchangeable; and (vi) reference to a default will take into consideration any applicable notice, grace and cure periods.

(m) Either party will, at any time upon twenty (20) business days prior written notice from the other, execute, acknowledge and deliver to the other a statement in writing (i) certifying that this Lease is unmodified and in full force and effect (or, if modified, stating the nature of such modification and certifying this Lease, as so modified, is in full force and effect) and the date to which the Rent and other charges are paid in advance, if any, and (ii) acknowledging that there are not, to such party's knowledge, any uncured defaults on the part of the other party hereunder, or specifying such defaults if any are claimed. Any such statement may be conclusively relied upon by any prospective purchaser or encumbrance of the Premises. The requested party's failure to deliver such a statement within such time will be conclusively relied upon by the requesting party that (i) this Lease is in full force and effect, without modification except as may be properly represented by the requesting party, (ii) there are no uncured defaults in either party's performance, and (iii) no more than one month's Rent has been paid in advance.

(n) If any term or condition of this Lease is found unenforceable, the remaining terms and conditions will remain binding upon the parties as though said unenforceable provision were not contained herein. However, if the invalid, illegal or unenforceable provision materially affects this Lease then the Lease may be terminated by either party on ten (10) business days prior written notice to the other party hereto.

[SIGNATURES APPEAR ON THE FOLLOWING PAGE.]

The effective date of this Lease is the date of execution by the last party to sign (the "Effective Date").

LANDLORD: Concordia College

By: _____

Printed Name: William W. Zambelli

Title: Chief Financial Officer

Date: July 2, 2009

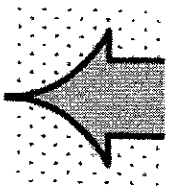
TENANT: New Cingular Wireless PCS, LLC

By: _____

Printed Name: Tom Christou

Title: Director R.E. & Construction NE Region

Date: 7-17-09



New Cingular Wireless PCS Legal Approval

EXHIBIT A
Legal Description

The Property is legally described as follows:

"PARCEL I:

ALL that certain plot, piece or parcel of land, with the buildings and improvements erected thereon, situate, lying and being at Bronxville, Town of Eastchester, County of Westchester and State of New York, and shown and designated on a certain map entitled "Map of Lawrence Park, Bronxville, Westchester County, N. Y., Eastern Division", made by Charles A. Mapes, C. E. & S., dated November 1902, and filed in the office of the Register of Westchester County, February 17, 1903, as Map No. 1450, and as Divisions 8, 7 and a part of Division 6, and more particularly bounded and described as follows: -

BEGINNING at the corner formed by the intersection of the west side of White Plains Road and the north side of Tanglewylde Avenue, thence running along the northerly side of Tanglewylde Avenue North 88 degrees, 13' 35", West, 868.52 feet; thence North 11 degrees, 51' 40" East, 792.05 feet to lands known as Gifford Park; thence along the southerly boundary of said Gifford Park South 82 degrees, 35' 40" East 66.48 feet; South 82 degrees, 42' 20" East 78.80 feet; thence still along the southerly line of said Gifford Park South 83 degrees, 30' 00" East 613.80 feet to the westerly side of the White Plains Road; thence along the westerly side of the White Plains Road the following courses and distances: South 6 degrees, 49' West 114 feet; South 5 degrees, 25' West 92.09 feet; South 2 degrees, 58' West 509.78 feet to the point or place of beginning. The above plot or tract of land containing 13.915 acres and being more particularly shown on a certain map made by Charles A. Mapes, Surveyor, dated May 20, 1908, and filed in the office of the Register of Westchester August 12, 1908.

TOGETHER WITH the fixtures, equipment and articles of personal property of every kind and description, which are or which may hereafter be installed, constructed, attached to or used in connection with the aforesaid premises and the conduct and operation of the institution or school known as Concordia Collegiate Institute of Bronxville, New York, and including the partitions, screens, awnings, window shades, dynamos, motors, elevators, fire prevention and extinguishing apparatus, refrigerating plants, ice boxes, heating, plumbing and ventilating apparatus, gas and electric fixtures, machinery appliances, fittings and furnishings, furniture and fixtures of every kind in any building now standing on the aforesaid premises, all of which are hereby granted, bargained, sold

assigned, remised, released, conveyed, transferred and set over unto the said party of the second part.

PARCEL TWO:

ALL that certain plot of land situate, lying and being in the Town of Eastchester, County of Westchester and State of New York, bounded and described as follows: -

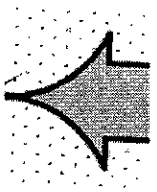
BEGINNING at the corner formed by the intersection of the easterly side of White Plains Road with the northerly side of Rose Avenue and running thence along the said northerly side of Rose Avenue north 87 degrees, 33' 30" east 498.51 feet to a corner, and running thence along a stone wall and along other lands now or formerly of Robert B. Dula, the following courses and distances; north 15 degrees, 50' 05" east 270.04 feet, north 16 degrees, 59' 30" east 169.17 feet, north 21 degrees, 49' 50" east 172.46 feet to a point of curve, and running thence in a northerly direction on a curve to the right with a radius of 63.34 feet, a distance of 33.61 feet to a point of reverse curve, and thence in a northerly direction on a curve to the left with a radius of 210 feet, a distance of 91.63 feet to the end of curve, and running thence north 27 degrees, 13' 55" east 14.12 feet to a corner, and running thence north 84 degrees, 45' west 37.74 feet to a corner, and land now or formerly of one Peter A. Cameron, and running thence southerly along the land of said Cameron on a curve to the right with a radius of 175 feet a distance of 76.36 feet to a point of reverse curve; thence continuing along said land of Cameron in a southerly direction on a curve to the left with a radius of 98.34 feet a distance of 52.18 feet to the end of curve, and thence continuing along said land now or formerly of Cameron, the following courses and distances; south 21degrees, 49' 50" west 173.94 feet, south 16 degrees, 59' 30" west 178.55 feet to a corner, and thence north 85 degrees, 43' 30" west 456.11 feet to the easterly side of White Plains Road aforesaid, and running thence along the said easterly side of the White Plains Road, south 14 degrees, 37' 20" west 250.37 feet to a point of curve, and thence continuing in a southerly direction on the said easterly side of White Plains Road, on a curve to the left with a radius of 1746 feet, a distance of 77.55 feet to the northerly side of Rose Avenue, and the point and place of beginning."

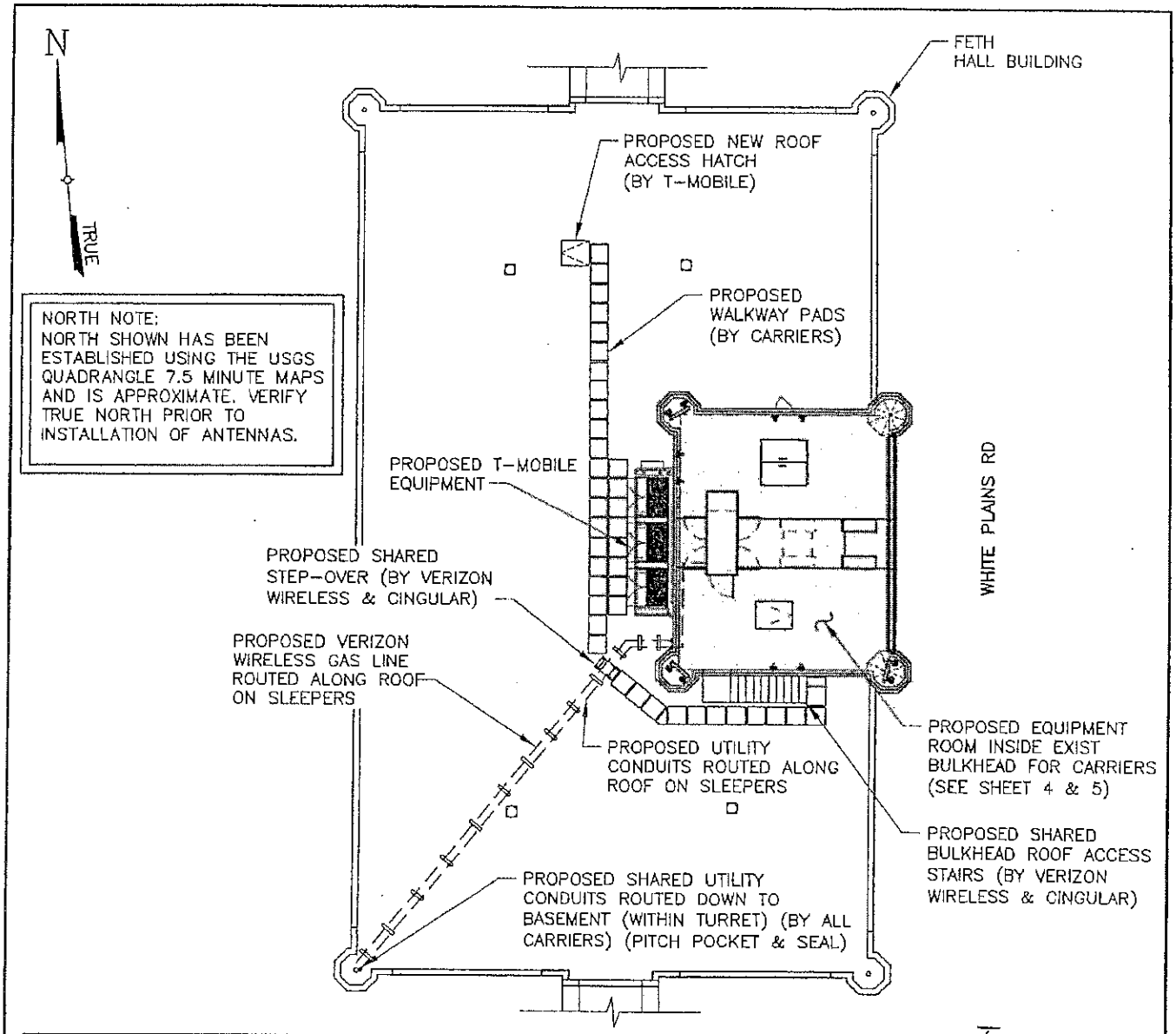
TC

EXHIBIT B

The location of the Premises within the Property (together with access and utilities) is more particularly described and depicted as follows:

SEE ATTACHED.





NORTH NOTE:
NORTH SHOWN HAS BEEN ESTABLISHED USING THE USGS QUADRANGLE 7.5 MINUTE MAPS AND IS APPROXIMATE. VERIFY TRUE NORTH PRIOR TO INSTALLATION OF ANTENNAS.

NOTE:
IN ORDER TO PLACE EQUIPMENT FOR THE CARRIERS IN THE EXISTING BULKHEADS, EXISTING BULKHEAD WALLS WILL NEED FURTHER STRUCTURAL INVESTIGATIONS AND STRUCTURAL REPAIRS AND REINFORCEMENTS IN ORDER TO SUPPORT THE PROPOSED EQUIPMENT AND ANTENNA LOADS.
SUCH INVESTIGATIONS, REPAIRS AND REINFORCEMENTS WILL REQUIRE ACCESS TO THE EXISTING ROOF FRAMING IN THE FORM OF MULTIPLE PROBES AND OPENINGS IN THE ROOF AS WELL AS THE CEILING OF THE FLOOR BELOW IN THE VICINITY OF THE BULKHEAD WALLS PRIOR TO FINALIZING THE EXACT EQUIPMENT AND ANTENNA SUPPORT DESIGN OF THE CARRIERS. SUBJECT TO LANDLORD'S PRIOR APPROVAL.

MAIN ROOF PLAN

SCALE: 3/64" = 1'-0"

0 1 2 3

ORIGINAL SIZE IN INCHES

REV	DATE
E	6/30/09
D	6/25/09
C	6/19/09
B	5/29/09
A	5/27/09

TECTONIC • PLANNING • ENGINEERING • SURVEYING • CONSTRUCTION MGMT.
TECTONIC Engineering & Surveying Consultants P.C.
1279 ROUTE 300 Newburgh, NY 12550
Phone: (845) 567-6656 Fax: (845) 567-8703

cingular WIRELESS

CONCORDIA COLLEGE
171 WHITE PLAINS RD, BRONXVILLE, NY

TEC WO: 5184.N617 | ISSUED BY: MP | SITE NO: N617 | SHEET: 1 OF 6

NOTE:
ALL ANTENNAS ARE TO BE INSTALLED BEHIND RF TRANSPARENT MATERIAL DESIGNED TO MATCH EXISTING BUILDING. NO EQUIPMENT IS TO BE VISIBLE FROM THE SURROUNDING STREETS.

FRONT ELEVATION

SCALE: 1/16" = 1'-0"

0 1 2 3

ORIGINAL SIZE IN INCHES

REV	DATE
E	6/30/09
D	6/25/09
C	6/19/09
B	5/29/09
A	5/27/09

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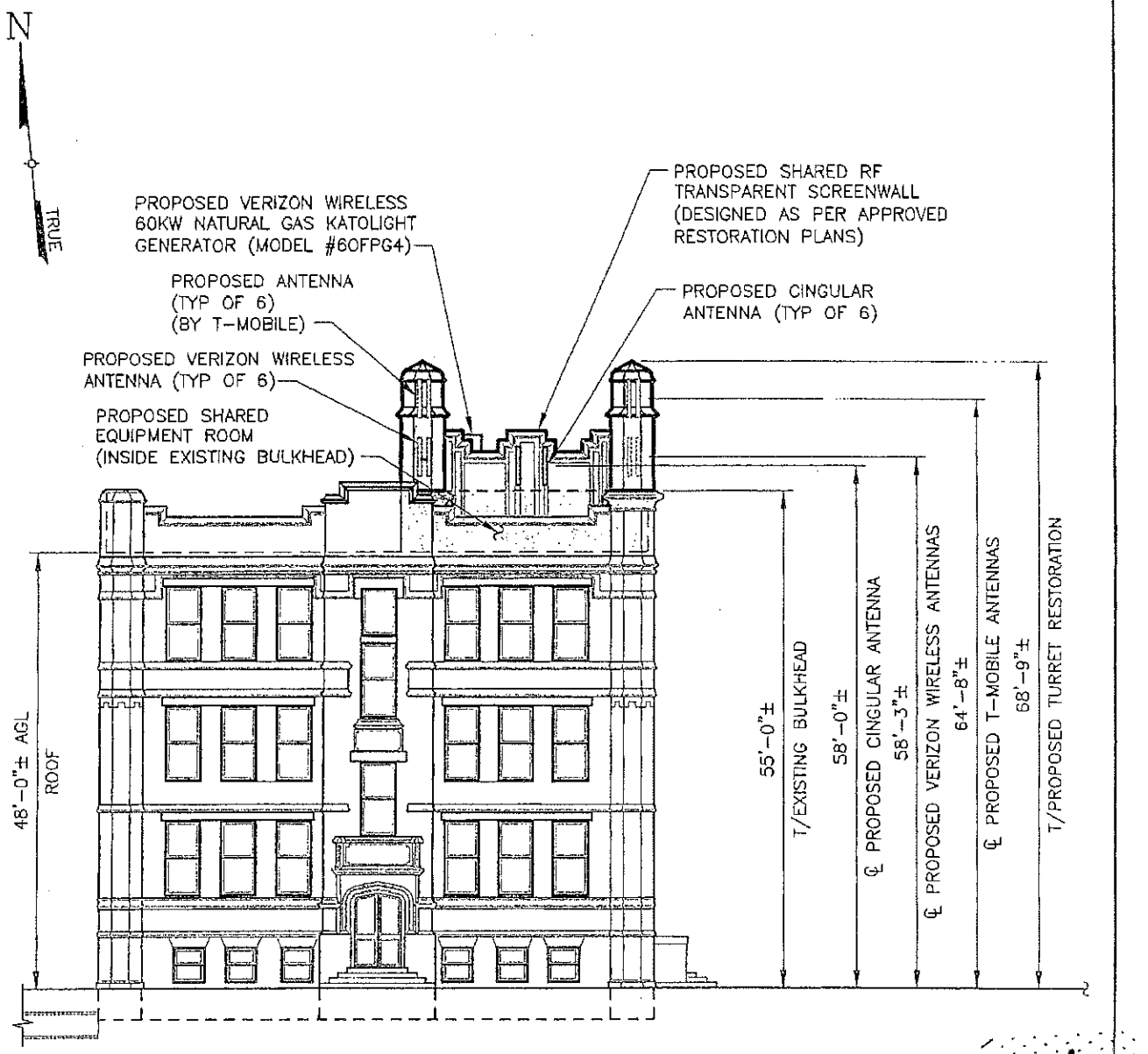
TECTONIC Engineering & Surveying Consultants P.C.
1279 ROUTE 300 Newburgh, NY 12550
Phone: (845) 567-6656 Fax: (845) 567-8703

cingular WIRELESS

CONCORDIA COLLEGE
171 WHITE PLAINS RD, BRONXVILLE, NY

TEC WO: 5184.N617 | ISSUED BY: MP | SITE NO: N617 | SHEET: 2 OF 6



NOTE: ALL ANTENNAS ARE TO BE INSTALLED BEHIND A PROPOSED RF TRANSPARENT MATERIAL CREATED TO MATCH APPROVED RESTORATION PLAN. NO EQUIPMENT IS TO BE VISIBLE FROM THE SURROUNDING STREETS.

SIDE ELEVATION

SCALE: 1/16" = 1'-0"

0 1 2 3

ORIGINAL SIZE IN INCHES

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REV	DATE
E	6/30/09
D	6/25/09
C	6/19/09
B	5/29/09
A	5/27/09

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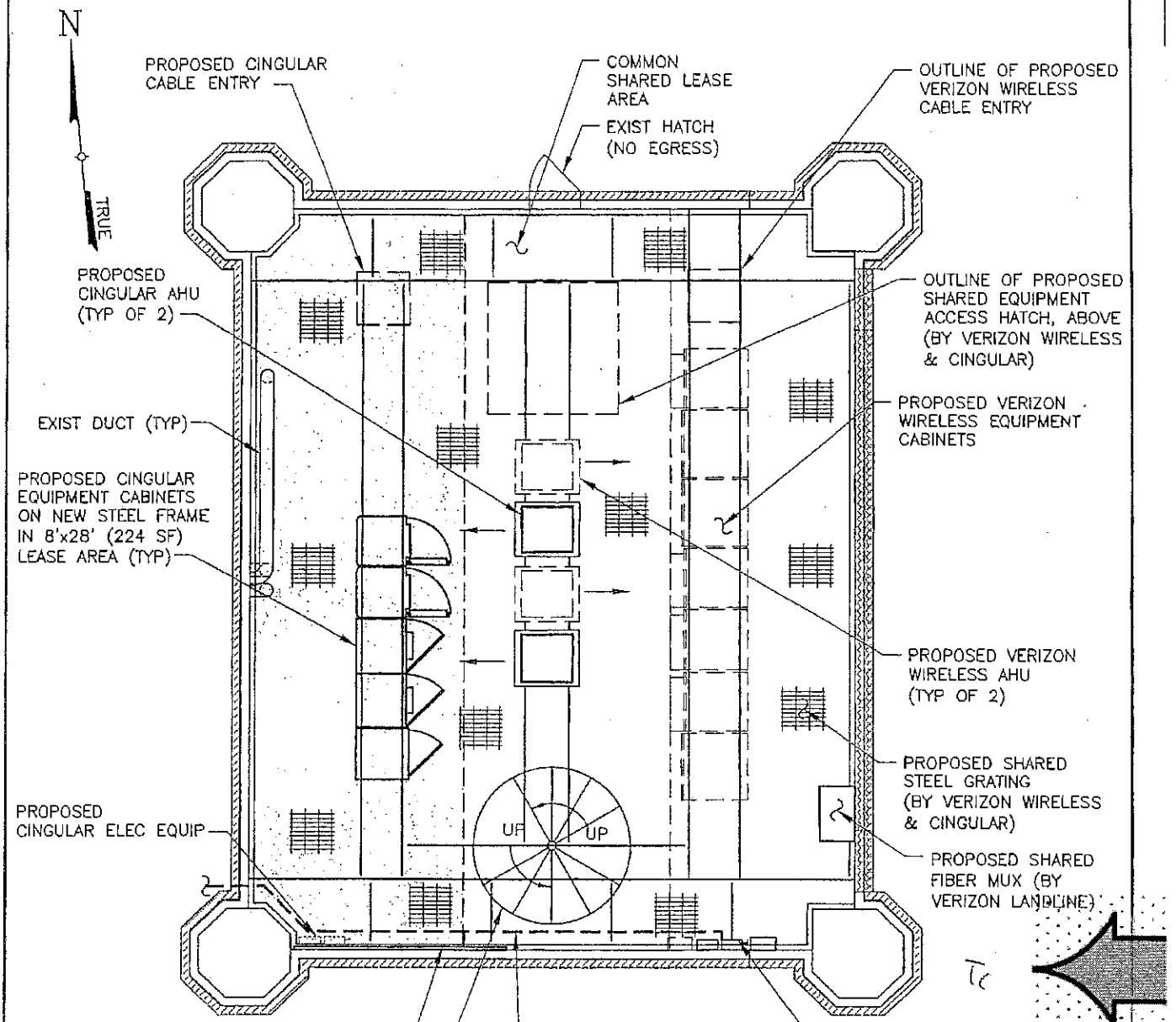
TEC WO: 5184.N617 | ISSUED BY: MP | SITE NO: N617 | SHEET: 3 OF 6



NOTE:
EXISTING SPRINKLER SYSTEM TO BE UPGRADED TO HIGH TEMP HEADS AND REROUTED TO ACCOMODATE PROPOSED INSTALLATION LAYOUT.

EQUIPMENT ROOM PLAN (INSIDE)

SCALE: 3/16" = 1'-0"

0 1 2 3

ORIGINAL SIZE IN INCHES

REV	DATE
E	6/30/09
D	6/25/09
C	6/19/09
B	5/29/09
A	5/27/09

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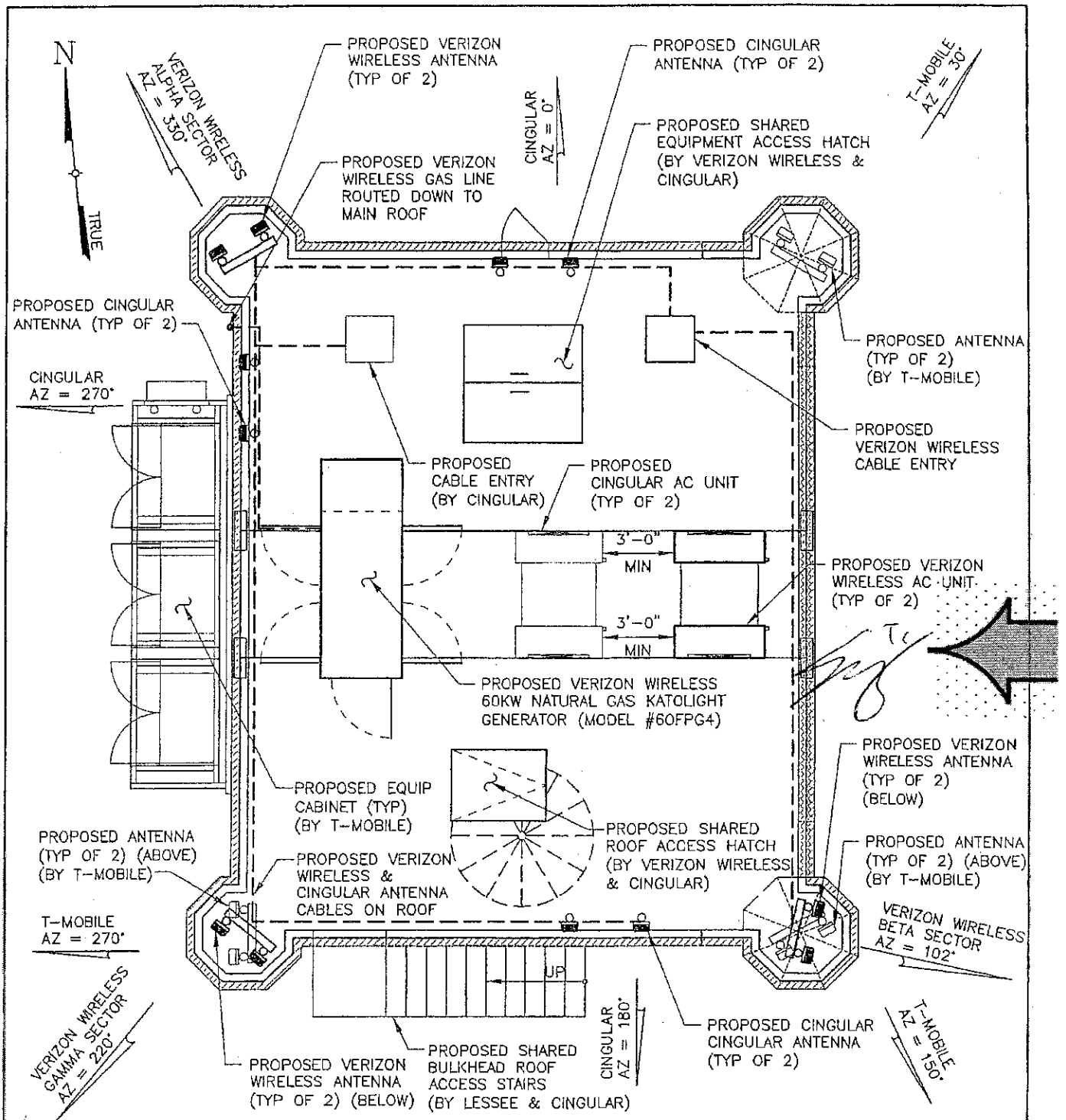

ROOF DETAIL PLAN

SCALE: 3/16" = 1'-0"

0 1 2 3

ORIGINAL SIZE IN INCHES

REV	DATE
E	6/30/09
D	6/25/09
C	6/19/09
B	6/29/09
A	5/27/09

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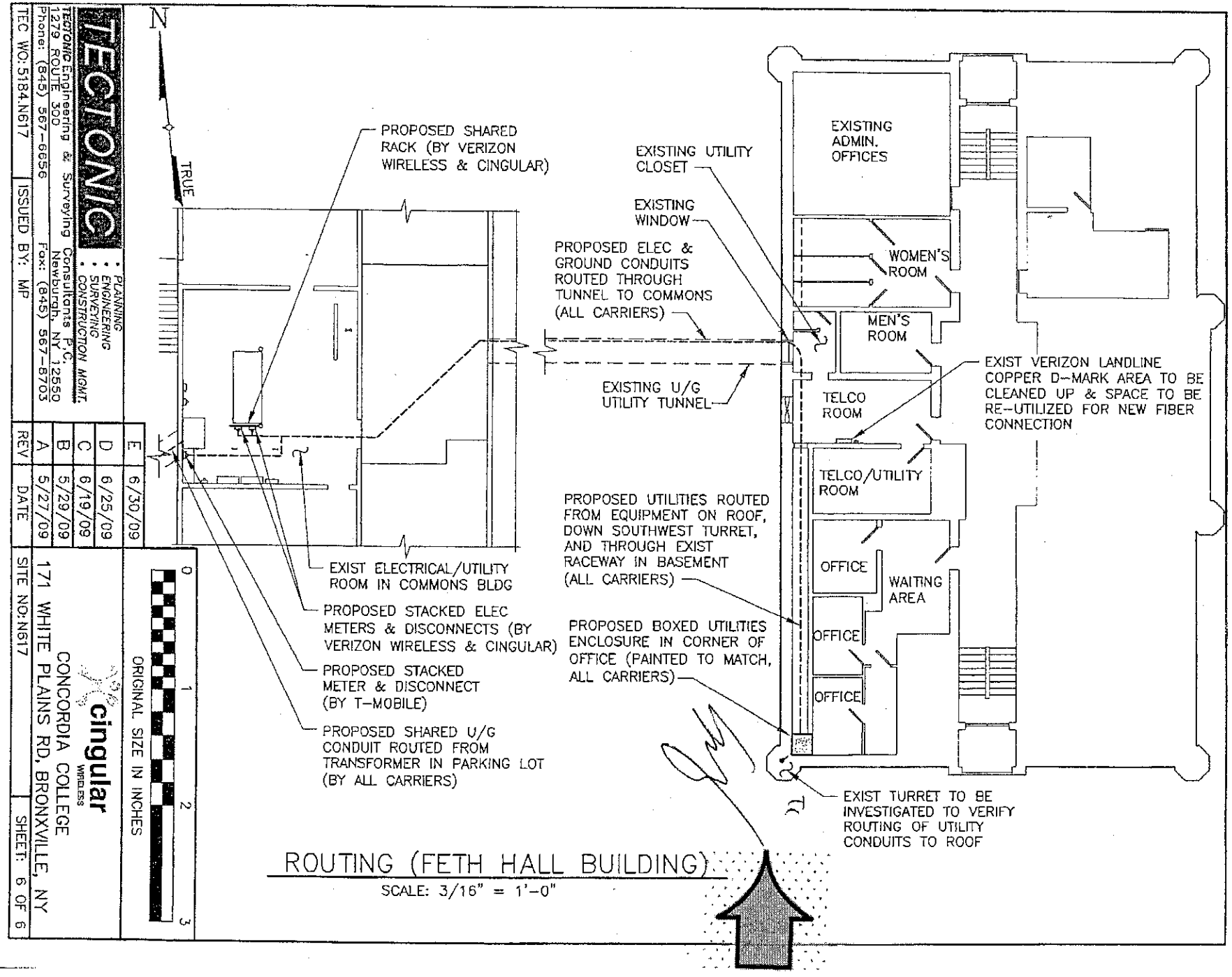

ROUTING (FETH HALL BUILDING)

SCALE: 3/16" = 1'-0"

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: SURVEYING
: CONSTRUCTION MGMT.

TEC WO: 5184.N617 | ISSUED BY: MP

REV	DATE
A	5/27/09
B	5/29/09
C	6/19/09
D	6/25/09
E	6/30/09

cingular WIRELESS

CONCORDIA COLLEGE
171 WHITE PLAINS RD, BRONXVILLE, NY

SITE NO: N617 | SHEET: 6 OF 6

EXHIBIT H


02.14.2011 09:16


02.14.2011 09:18


02.14.2011 09:18


02.14.2011 09:16

EXHIBIT I

TOWER / STRUCTURE / ANTENNA / EQUIPMENT REMOVAL BOND

Location of tower/structure/equipment:
171 White Plains Rd, Bronxville, NY

Site ID: NYCNNY5617
FA # 10107449
Bond Number: 106300418

KNOW ALL MEN BY THESE PRESENTS:

THAT **New Cingular Wireless PCS, LLC 575 Morosgo Drive NE, Atlanta, GA 30314** as Principal, and **Travelers Casualty and Surety Company of America**, a corporation duly organized under the laws of the State of **Connecticut** as Surety, are held and firmly bound unto **the Village of Bronxville, 200 Pondfield Road, Bronxville, NY 10708** as Obligee, the penal sum of **Fifty Thousand and NO/100 Dollars ($ 50,000.00)** for the payment of which, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents, the liability of the surety being limited to the penal sum of this bond regardless of the number of years the bond is in effect.

WHEREAS, the Principal has entered into a written agreement with the property owner for the placement of a tower, structure or equipment furnishing telephone, television or other electronic media service, which agreement sets forth the terms and conditions which govern the use of such towers, structures or equipment and which agreement is hereby specifically referred to and made part hereof, and

WHEREAS, the **Village of Bronxville** ordinance and/or the property owner, requires the submission of a bond guaranteeing the maintenance, replacement, removal or relocation of said tower or equipment,

NOW THEREFORE, the condition of this obligation is such, that if the above bounden Principal shall perform in accordance with the aforesaid ordinance and/or agreement, and indemnify the Obligee against all loss caused by Principal's breach of any ordinance or agreement relating to the maintenance, replacement, removal or relocation of a tower, structure or equipment, then this obligation shall be void, otherwise to remain in full force and effect unless cancelled as set forth below.

THIS BOND may be cancelled by Surety by giving thirty (30) days written notice to the Obligee by certified mail. Such cancellation shall not affect any liability the surety has incurred under this bond prior to the effective date of the termination.

PROVIDED that no action, suit or proceeding shall be maintained against the Surety on this bond unless the action is brought within twelve (12) months of the cancellation date of this bond.

SIGNED this **21st** day of **July 2015.**

Principal: New Cingular Wireless PCS, LLC
By AT&T Mobility Corporation its manager

By: _____

Surety: Travelers Casualty and Surety Company of America

By: Heidi A. Notheisen

Heidi A. Notheisen, Attorney-in-Fact

ACKNOWLEDGMENT BY SURETY

STATE OF Missouri }
City of St. Louis } ss.

On this 21st day of July, 2015, before me personally appeared Heidi A. Notheisen, known to me to be the Attorney-in-Fact of Travelers Casualty and Surety Company of America, the corporation that executed the within instrument, and acknowledged to me that such corporation executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, at my office in the aforesaid County, the day and year in this certificate first above written.

Debra C. Schneider
Notary Public in the State of Missouri
County of St. Charles

My Commission Expires: May 20, 2016

(Seal)

DEBRA C. SCHNEIDER
Notary Public, Notary Seal
State of Missouri
St. Charles County
Commission # 12419088
My Commission Expires May 20, 2016

WARNING: THIS POWER OF ATTORNEY IS INVALID WITHOUT THE RED BORDER

TRAVELERS

POWER OF ATTORNEY

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company

Attorney-In Fact No. 226117

Certificate No. 006156735

KNOW ALL MEN BY THESE PRESENTS: That Farmington Casualty Company, St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company are corporations duly organized under the laws of the State of Connecticut, that Fidelity and Guaranty Insurance Company is a corporation duly organized under the laws of the State of Iowa, and that Fidelity and Guaranty Insurance Underwriters, Inc., is a corporation duly organized under the laws of the State of Wisconsin (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint

Pamela A. Beelman, Heidi A. Notheisen, Cynthia L. Choren, Debra C. Schneider, JoAnn R. Frank, Karen L. Roider, Sandra L. Ham, and Nancy L. Johnson

of the City of St. Louis, State of Missouri, their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this 22nd day of January, 2015.

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company

State of Connecticut
City of Hartford ss.

By: _____
Robert L. Raney, Senior Vice President

On this the 22nd day of January, 2015, before me personally appeared Robert L. Raney, who acknowledged himself to be the Senior Vice President of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

In Witness Whereof, I hereunto set my hand and official seal.
My Commission expires the 30th day of June, 2016.

Marie C. Tetreault, Notary Public

58440-8-12 Printed in U.S.A.

WARNING: THIS POWER OF ATTORNEY IS INVALID WITHOUT THE RED BORDER

WARNING: THIS POWER OF ATTORNEY IS INVALID WITHOUT THE RED BORDER

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, Kevin E. Hughes, the undersigned, Assistant Secretary, of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 21st day of July, 2015.

Kevin E. Hughes, Assistant Secretary

To verify the authenticity of this Power of Attorney, call 1-800-421-3880 or contact us at www.travelersbond.com. Please refer to the Attorney-In-Fact number, the above-named individuals and the details of the bond to which the power is attached.

WARNING: THIS POWER OF ATTORNEY IS INVALID WITHOUT THE RED BORDER

EXHIBIT J

Antenna Structural Analysis

East Concordia College

Pace Job #: MRNYJ003783
FA Location: 10107449
NYCNNY5617
171 White Plains Road
Bronxville, Westchester County, NY 10708

Alpha Sector Mount Utilization: 67.2%
Beta Sector Mount Utilization: 74.3%
Gamma Sector Mount Utilization: 96.4%

April 28, 2020

Prepared For

AT&T Mobility
One AT&T Way
Bedminster, NJ 07921

Prepared By

Azimuth Engineering Group, LLC
695 Route 46 West, Suite 300
Fairfield, NJ 07004

CONTENTS

1.0 INTRODUCTION

The mount system consists of three (3) pipe mount arrays on Alpha, Beta and Gamma sectors with an antenna centerline at 58.0-ft above ground level. The existing antenna mounts are installed on roof building structure and attached to the angles frame. The objective of this report is to assess the proposed installation of new antennas and RRH unit's configuration on existing rooftop mounts installed on the building.

1.1 DOCUMENTS PROVIDED

The structural analysis of the site is based on the following documents provided:

- Mount Photos by Azimuth Engineering Group, dated February 26, 2020
- Site Visit by Azimuth Engineering Group, dated February 26, 2020
- Construction Drawings by Azimuth Engineering Group, dated March 17, 2020
- Radio Frequency Data Sheet (Version 1.01) by AT&T Mobility, dated December 19, 2019
- Structural Analysis by Network Building + Consulting Engineering Services, dated February 16, 2018

2.0 EXISTING AND ROPOSED EQUIPMENT

The analysis is based on the following appurtenances for all sectors:

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Location	Notes
58.0	58.0	3	Commscope	NNHH-65A-R4	P1	2, 3
		6	Commscope	TD-850A-3G5LTE-43		
		3	Commscope	NNHH-65A-R4-V2	P2	
		1	Andrew	DBXLH-6565A-VTM	P3	3
		3	Alcatel Lucent	RRH4x25-WCS-4R	-	1, 2, 3
		3	Nokia	AirScale RRH 4T4R B5 160W AHCA		
		3	Nokia	B14/12/29 Triband RRH AHLBBA		
		3	Nokia	AirScale Dual RRH 4T4R B25/66 320W AHFIB		
		3		Fiber Management Box		
		3	Raycap	DC6		
		3	Raycap	DC2		
		1		Junction Box		

Notes:
1. Mounted on unistrut rails behind antennas.
2. Alpha and Beta sectors.
3. Gamma sector.

3.0 CODES AND LOADING

The analysis has been performed in accordance with the following codes and loading as adopted in Westchester County, New York:

- 2014 NYC Building Code
- Structural Standard for Steel Antenna Towers and Antenna Supporting Structures - ANSI/TIA/EIA-222-G
- 3-sec gust Wind Speed: 103 MPH
- Exposure Category: C
- Topographic Category: 1
- Wind Speed with Ice: 50 MPH
- Ice Thickness: 0.75”

4.0 STANDARD CONDITIONS FOR ENGINEERING SERVICES ON EXISTING STRUCTURES

The analysis is based on documents listed in Section 1.1. Unless noted otherwise, the structure and the mount are assumed to be in good condition, free of defects and can achieve theoretical strength.

All anchor bolts shall be checked for tightness and silicone seal added to the perimeter of the existing brackets as needed to maintain watertight seal. New antennas shall be installed to the existing top of antenna height and not exceed 6’ from the top of parapet / bulkhead. New RRH shall be installed on unistrut rails as noted.

The original building drawing were not available for examination. The assumptions are as noted and reflect the industry standard of care and practice. All opinions and conclusions are considered accurate to a reasonable degree of engineering certainty (standard of care) based upon the evidence and documentation available at the time of this report. All opinions, conclusions and recommendations are reserved to be revised based upon discovery and/or receipt of new and/or additional and/or updated information or reference. All professional services are provided exercising the standard level of care of the profession. No other warranty or guarantee is offered. Our services are confidential in nature and will not be released to other parties without the expressed client’s consent, unless required by law. It is also expressly understood that any future changes in industry practice and governing rules and regulations will require an update report and/or evaluation at that particular time. If there are substantial modifications, changes or the assumptions made in this analysis which are not accurate, Azimuth Engineers should be notified immediately to perform a revised analysis and assessment. This report is not a condition assessment.

It should be noted that the conclusion reached by Azimuth Engineering Group is expressly related to the antenna mounts, anchorage system and existing affected building components and it assumes that all the existing anchoring systems and building components are and will be maintained and inspected at regular intervals. Installation and placement of new equipment may require NYC DOB and/or FDNY approvals, or other agencies having jurisdiction.

Azimuth Engineering Group will accept no liability which may arise due to any existing deficiency in design, material, fabrication, erection, construction, etc. or lack of maintenance. Contractor should inspect the condition of the existing structure, mounts and connections and notify Azimuth Engineering Group for any discrepancies and deficiencies before proceeding with the construction.

5.0 ANALYSIS METHODOLOGY

The existing antenna mounts were evaluated by Finite Element Analysis (FEA) with RISA-3D version 13.0 software.

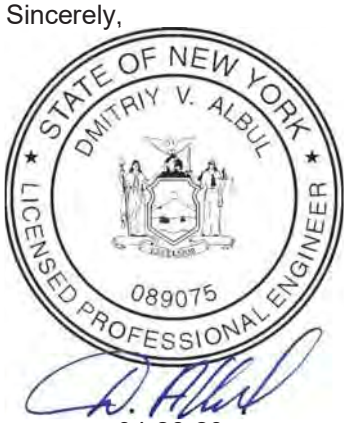
6.0 RESULTS AND CONCLUSION

Based on the results of the structural analysis, we have found that the existing antenna mounts are **adequate** to support the proposed loading. The structural elements would be loaded to the following calculation capacities:

Alpha Sector:	
Antenna Mount:	67.2%
Beta Sector:	
Antenna Mount:	74.3%
Gamma Sector:	
Antenna Mount:	96.4%

***Note: Applied connection reactions were increased in accordance with the requirements of 2014 NYC Building Code, Section 3108.4.2.**

Sincerely,



04-28-20

Dmitriy V. Albul, P.E.
New York Professional
Engineer License No. 089075

APPENDIX A: PHOTOS AND CALCULATIONS

ALPHA SECTOR MOUNT VIEW

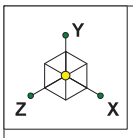
BETA SECTOR MOUNT VIEW

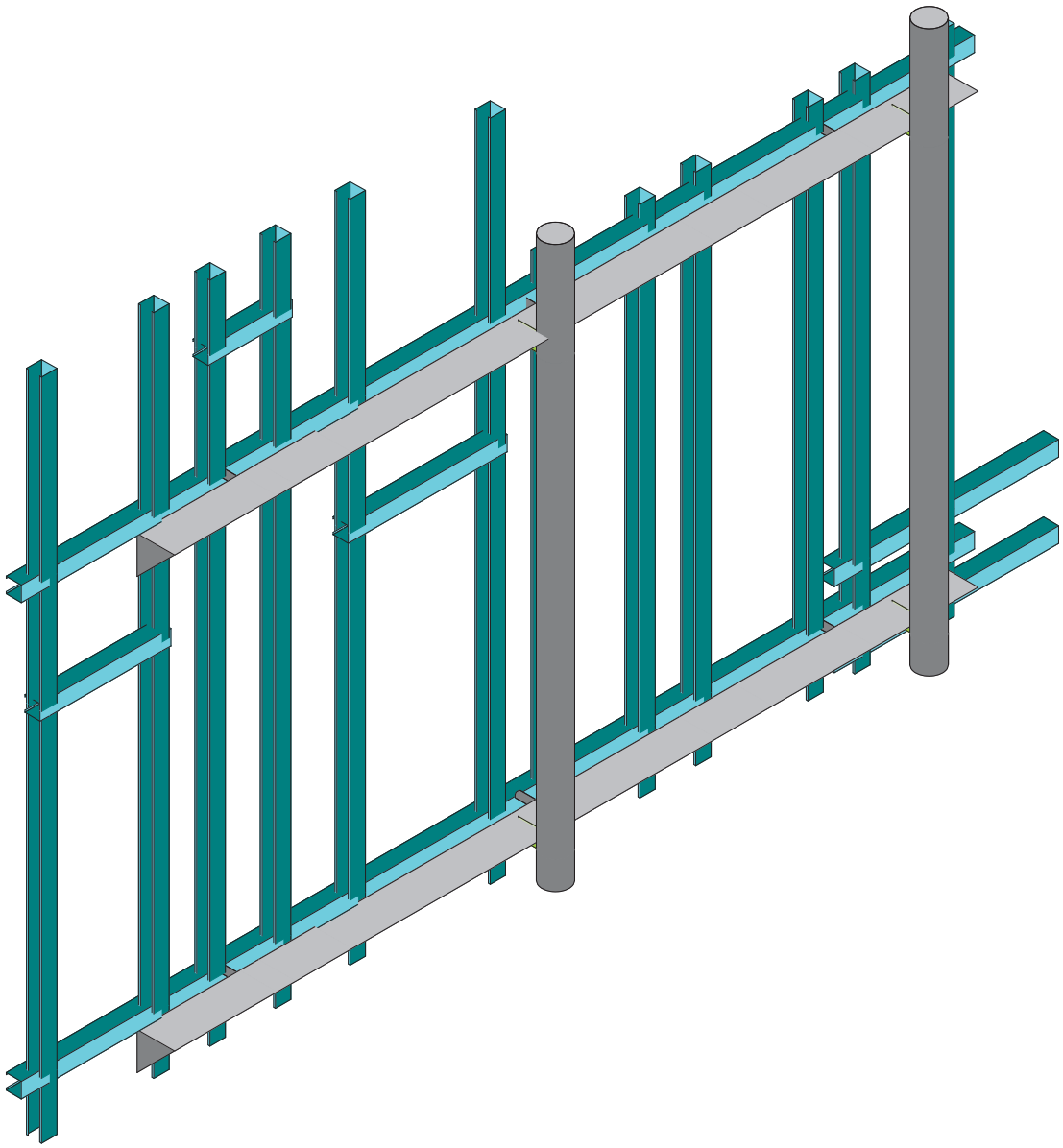
GAMMA SECTOR MOUNT VIEW

Date:	4/28/2020		**Decimal Degrees**
Site:	East Concordia College		**Latitude:** 40.9432
Engineer:	DVA		**Longitude:** -73.8212
Location:	WESTCHESTER	NY	
Project No:	NYCNNY5617		
Carrier:	AT&T		
Mount Type:	Rooftop		
TIA Rev.	G		
ASCE Standard	ASCE 7-05		**Run Seismic** No

Basic Wind Speed:	103	mph			q_z:	29.13	psf
Exposure Category:	C		**Esc. Ice:**	1.587	in	$q_{z\,ice}$:	6.86	psf
Service Wind:	30	mph	**I:**	1.00		$q_{z\,live}$:	2.47	psf
Risk Category:	II		G_h:	0.85				
Ice Thickness:	0.75	in	Z_g:	900				
Ice Wind Speed:	50	mph	K_{zmin}:	0.85				
Centerline AGL	58.0	ft	**α:**	9.50				
			K_z:	1.13				
			K_d:	0.95				
Topographic Category:	1		K_{zt}:	1.000				

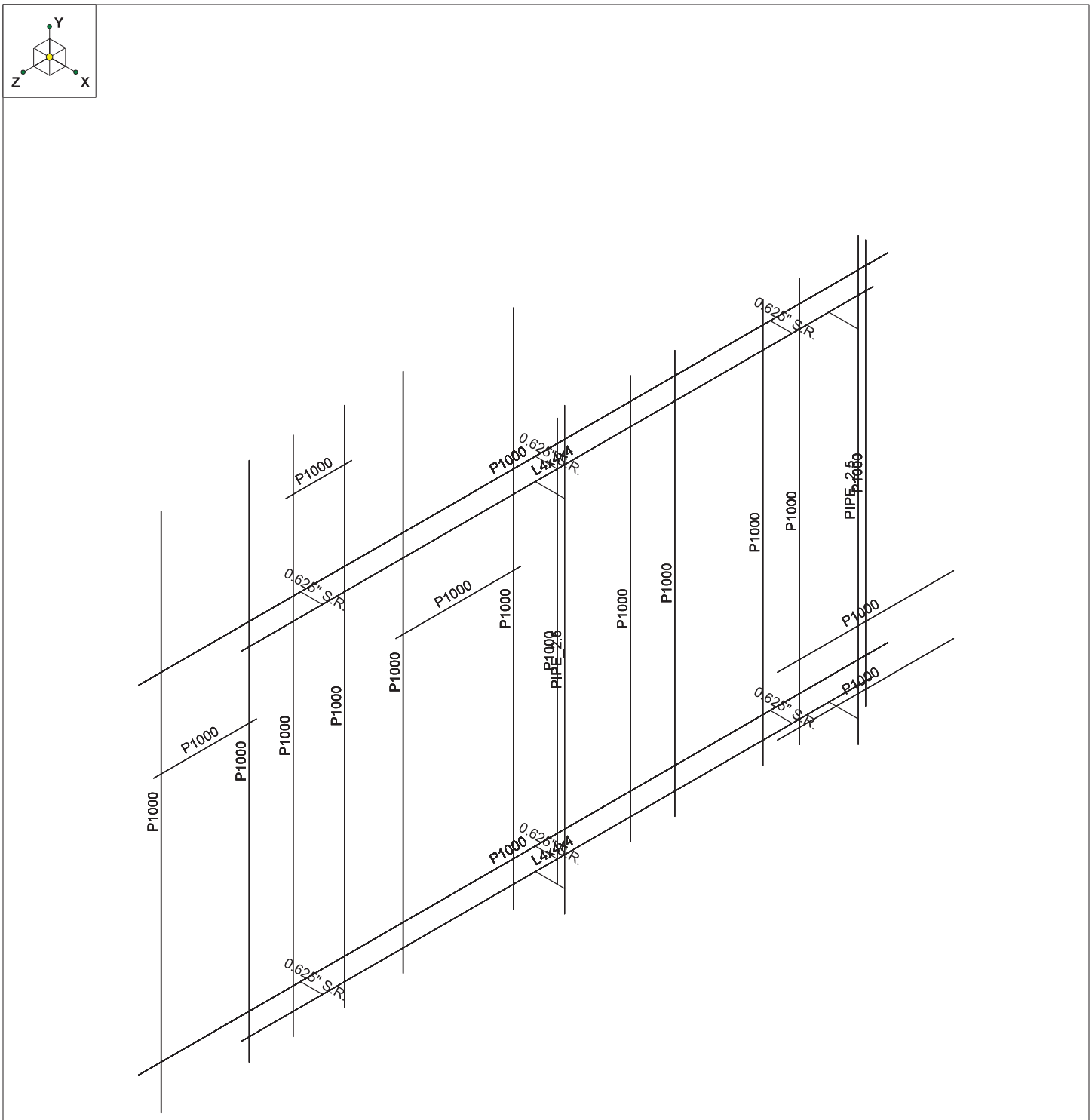
Appurtenance Name		Existing / Proposed	Weight (lb)	Height (in)	Width (in)	Depth (in)	Type	Wind Load (F_A), lb				Wind Load Ice Case (F_A), lb					Wind Load Live Case (F_A), lb			
								0 deg	30 deg	60 deg	90 deg	0 deg	30 deg	60 deg	90 deg	Weight w/ Ice	0 deg	30 deg	60 deg	90 deg
COMMSCOPE	NNHH-65A-R4	Existing	67.2	55.1	19.6	7.8	Flat	225	195	134	104	65	58	44	36	206	19	17	11	9
ANDREW	DBXLH-6565A-VTM	Existing	31.3	51.1	10.6	5.2	Flat	121	108	82	68	39	36	30	28	113	10	9	7	6
COMMSCOPE	NNHH-65A-R4-V2	Proposed	68.3	59	19.6	7.8	Flat	243	210	145	112	70	62	47	39	221	21	18	12	10
ALCATEL LUCENT	RRH4X25-WCS-4R	Existing	66.1	22.08	12.13	7.13	Flat	55	50	39	33	19	17	14	13	57	5	4	3	3
NOKIA	RRH 4T4R B5 160W AHCA	Proposed	35.3	13.3	11.6	6.5	Flat	32	28	21	18	12	11	9	8	33	3	2	2	2
NOKIA	B14/12/29 Triband RRH AHLBBA	Proposed	101.2	26.85	14.84	11.22	Flat	82	77	67	62	26	25	22	21	90	7	7	6	5
NOKIA	RRH 4T4R B25/66 320 AHFIB	Existing	88	31.5	12	8.7	Flat	78	73	64	59	26	24	22	21	85	7	6	5	5
	FMB	Existing	15	24	24	8	Flat	119	99	60	40	36	31	20	15	107	10	8	5	3
RAYCAP	DC2	Existing	16	13.22	11.64	6.27	Flat	32	28	21	17	12	11	9	8	32	3	2	2	1
RAYCAP	DC6	Existing	38	15.96	14.27	6.27	Flat	47	40	27	21	16	14	11	9	45	4	3	2	2
COMMSCOPE	TD-850A-3G5LTE-43	Existing	53	15.5	15.5	6.4	Flat	50	42	28	20	17	15	11	9	47	4	4	2	2
	Junction Box	Existing	16	13.2	13.2	6.3	Flat	36	31	22	17	13	12	9	8	35	3	3	2	1





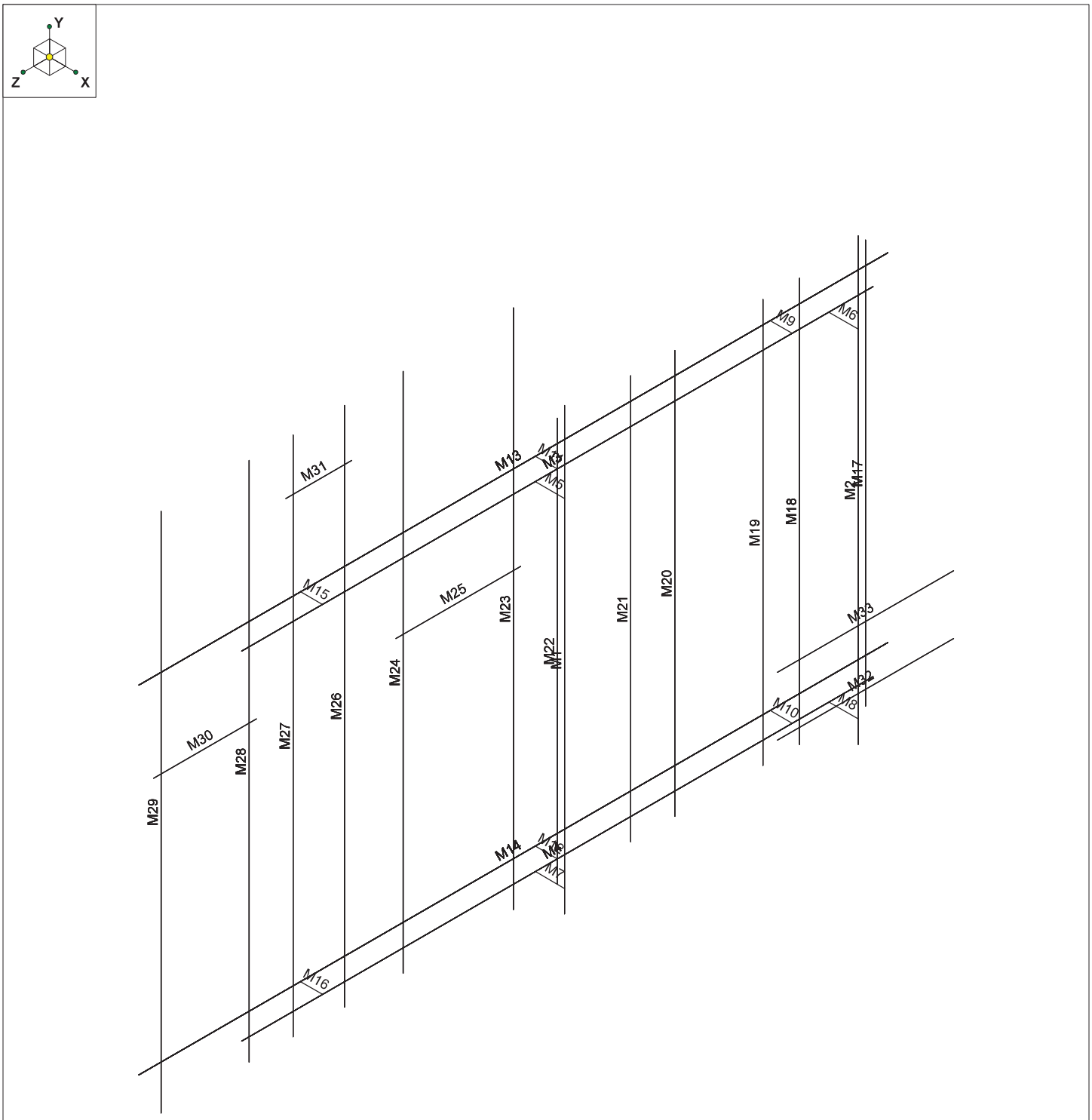
Envelope Only Solution

Azimuth Engineering Grou...	East Concordia College (Alpha Sector) Rooftop Installation Model	SK - 1
DVA		Apr 28, 2020 at 11:20 AM
NYCNNY5617		NYCNNY5617 (Alpha).R3D



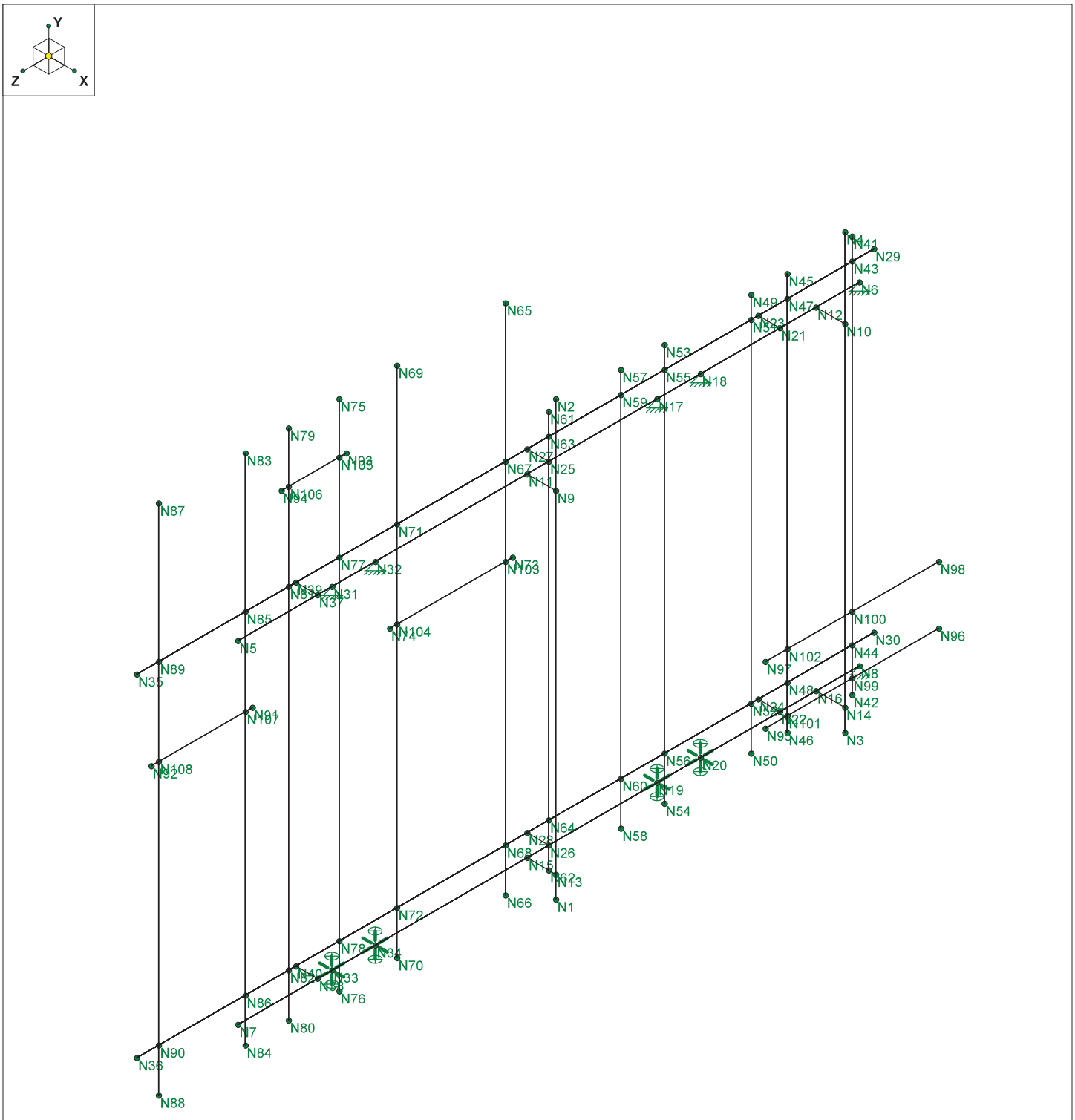
Envelope Only Solution

Azimuth Engineering Grou...		SK - 2
DVA	East Concordia College (Alpha Sector)	Apr 28, 2020 at 11:20 AM
NYCNNY5617	Member Shapes	NYCNNY5617 (Alpha).R3D



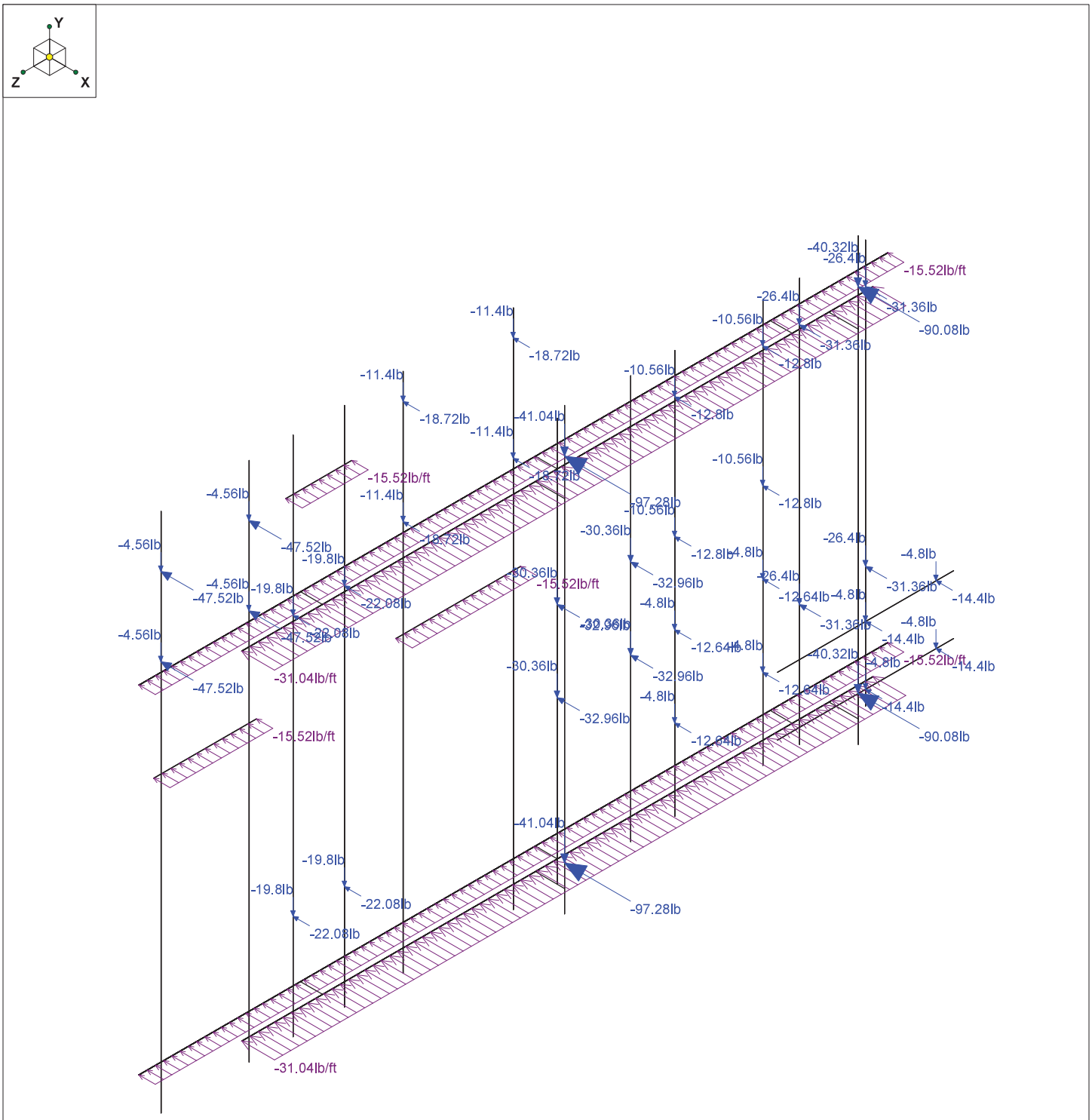
Envelope Only Solution

Azimuth Engineering Grou...	East Concordia College (Alpha Sector) Member Labels	SK - 3
DVA		Apr 28, 2020 at 11:20 AM
NYCNNY5617		NYCNNY5617 (Alpha).R3D



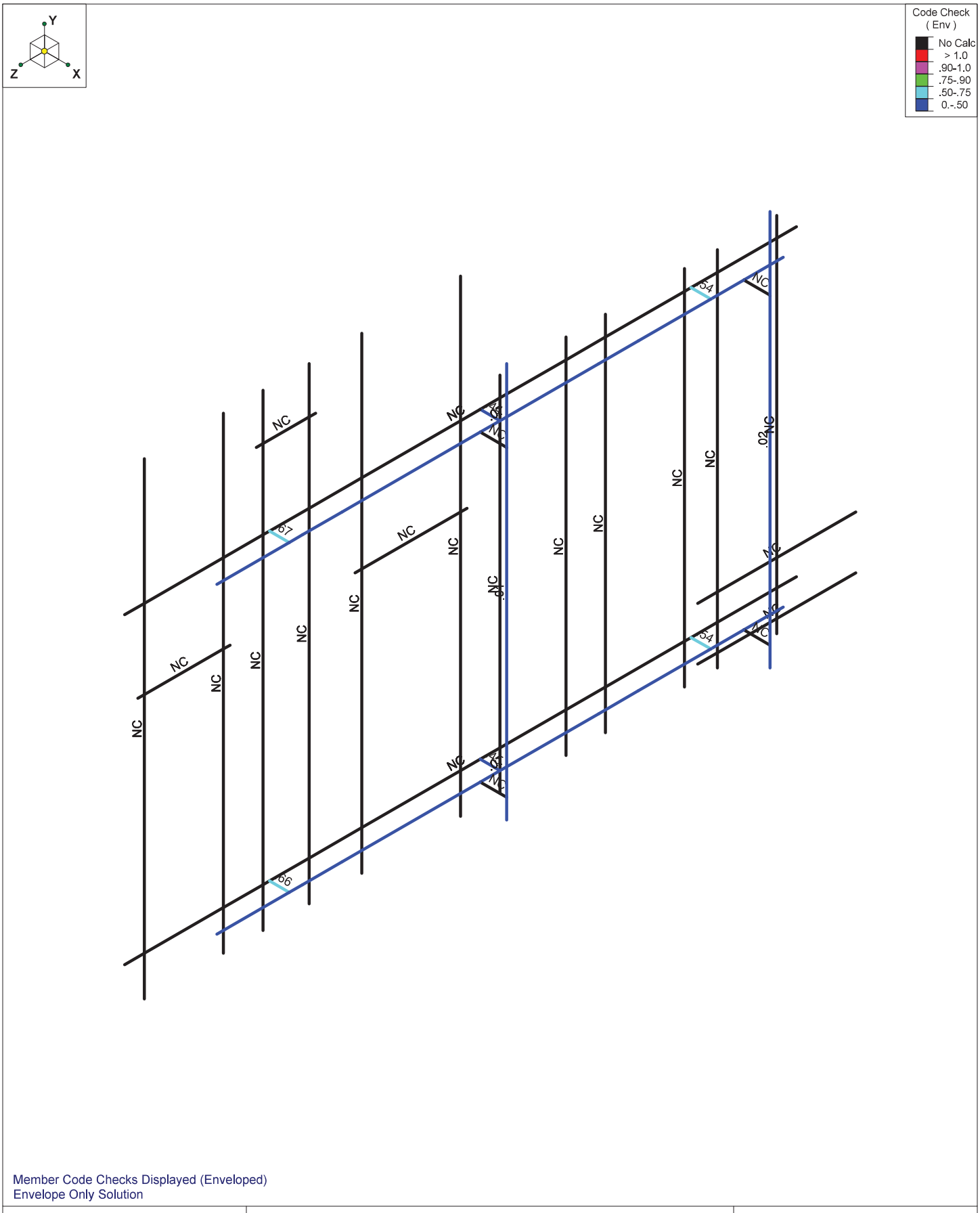
Envelope Only Solution

Azimuth Engineering Grou...		SK - 4
DVA	East Concordia College (Alpha Sector)	Apr 28, 2020 at 11:20 AM
NYCNNY5617	Node Labels	NYCNNY5617 (Alpha).R3D



Loads: LC 2, 1.2DL+1.6WL(0)
Envelope Only Solution

Azimuth Engineering Grou...		SK - 5
DVA	East Concordia College (Alpha Sector)	Apr 28, 2020 at 11:39 AM
NYCNNY5617	Controlling Load Case	NYCNNY5617 (Alpha).R3D



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Azimuth Engineering Grou...		SK - 6
DVA	East Concordia College (Alpha Sector)	Apr 28, 2020 at 11:39 AM
NYCNNY5617	Member Bending Check	NYCNNY5617 (Alpha).R3D

Global

Display Sections for Member Calcs	5
Max Internal Sections for Member Calcs	97
Include Shear Deformation?	Yes
Increase Nailing Capacity for Wind?	Yes
Include Warping?	Yes
Trans Load Btwn Intersecting Wood Wall?	Yes
Area Load Mesh (in^2)	144
Merge Tolerance (in)	.12
P-Delta Analysis Tolerance	0.50%
Include P-Delta for Walls?	Yes
Automatically Iterate Stiffness for Walls?	Yes
Max Iterations for Wall Stiffness	3
Gravity Acceleration (in/sec^2)	386.4
Wall Mesh Size (in)	12
Eigensolution Convergence Tol. (1.E-)	4
Vertical Axis	Y
Global Member Orientation Plane	XZ
Static Solver	Sparse Accelerated
Dynamic Solver	Accelerated Solver

Hot Rolled Steel Code	AISC 14th(360-10): LRFD
Adjust Stiffness?	Yes(Iterative)
RISAConnection Code	AISC 14th(360-10): ASD
Cold Formed Steel Code	AISI S100-12: LRFD
Wood Code	AF&PA NDS-12: ASD
Wood Temperature	< 100F
Concrete Code	ACI 318-11
Masonry Code	ACI 530-13: Strength
Aluminum Code	AA ADM1-10: LRFD - Building

Number of Shear Regions	4
Region Spacing Increment (in)	4
Biaxial Column Method	Exact Integration
Parme Beta Factor (PCA)	.65
Concrete Stress Block	Rectangular
Use Cracked Sections?	Yes
Use Cracked Sections Slab?	Yes
Bad Framing Warnings?	No
Unused Force Warnings?	Yes
Min 1 Bar Diam. Spacing?	No
Concrete Rebar Set	REBAR_SET_ASTMA615
Min % Steel for Column	1
Max % Steel for Column	8

Global, Continued

Seismic Code	ASCE 7-10
Seismic Base Elevation (in)	Not Entered
Add Base Weight?	Yes
Ct X	.02
Ct Z	.02
T X (sec)	Not Entered
T Z (sec)	Not Entered
R X	3
R Z	3
Ct Exp. X	.75
Ct Exp. Z	.75
SD1	1
SDS	1
S1	1
TL (sec)	5
Risk Cat	I or II
Om Z	1
Om X	1
Rho Z	1
Rho X	1

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N1	N2			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
2	M2	N3	N4			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
3	M3	N5	N6		90	Angle	Beam	Single Angle	A36 Gr.36	Typical
4	M4	N7	N8		90	Angle	Beam	Single Angle	A36 Gr.36	Typical
5	M5	N9	N11			RIGID	None	None	RIGID	Typical
6	M6	N10	N12			RIGID	None	None	RIGID	Typical
7	M7	N13	N15			RIGID	None	None	RIGID	Typical
8	M8	N14	N16			RIGID	None	None	RIGID	Typical
9	M9	N21	N23			Unistrut Support	Beam	BAR	A36 Gr.36	Typical
10	M10	N22	N24			Unistrut Support	Beam	BAR	A36 Gr.36	Typical
11	M11	N25	N27			Unistrut Support	Beam	BAR	A36 Gr.36	Typical
12	M12	N26	N28			Unistrut Support	Beam	BAR	A36 Gr.36	Typical
13	M13	N29	N35			Unistrut Rails	Beam	CS	A653 SS ...	Typical
14	M14	N30	N36			Unistrut Rails	Beam	CS	A653 SS ...	Typical
15	M15	N37	N39			Unistrut Support	Beam	BAR	A36 Gr.36	Typical
16	M16	N38	N40			Unistrut Support	Beam	BAR	A36 Gr.36	Typical
17	M17	N42	N41			Unistrut Rails	Beam	CS	A653 SS ...	Typical
18	M18	N46	N45			Unistrut Rails	Beam	CS	A653 SS ...	Typical
19	M19	N50	N49			Unistrut Rails	Beam	CS	A653 SS ...	Typical
20	M20	N54	N53			Unistrut Rails	Beam	CS	A653 SS ...	Typical
21	M21	N58	N57			Unistrut Rails	Beam	CS	A653 SS ...	Typical
22	M22	N62	N61			Unistrut Rails	Beam	CS	A653 SS ...	Typical
23	M23	N66	N65			Unistrut Rails	Beam	CS	A653 SS ...	Typical
24	M24	N70	N69			Unistrut Rails	Beam	CS	A653 SS ...	Typical
25	M25	N73	N74			Unistrut Rails	Beam	CS	A653 SS ...	Typical
26	M26	N76	N75			Unistrut Rails	Beam	CS	A653 SS ...	Typical
27	M27	N80	N79			Unistrut Rails	Beam	CS	A653 SS ...	Typical
28	M28	N84	N83			Unistrut Rails	Beam	CS	A653 SS ...	Typical
29	M29	N88	N87			Unistrut Rails	Beam	CS	A653 SS ...	Typical
30	M30	N91	N92			Unistrut Rails	Beam	CS	A653 SS ...	Typical
31	M31	N93	N94			Unistrut Rails	Beam	CS	A653 SS ...	Typical
32	M32	N96	N95			Unistrut Rails	Beam	CS	A653 SS ...	Typical
33	M33	N98	N97			Unistrut Rails	Beam	CS	A653 SS ...	Typical

Material Takeoff

	Material	Size	Pieces	Length[in]	Weight[LB]
1	General				
2	RIGID		4	16	0
3	Total General		4	16	0
4					
5	Hot Rolled Steel				
6	A36 Gr.36	0.625" S.R.	6	18	1.6
7	A36 Gr.36	L4x4x4	2	172	94.5
8	A53 Gr.B	PIPE_2.5	2	120	54.8
9	Total HR Steel		10	310	150.8
10					
11	Cold Formed Steel				
12	A653 SS Gr33	Unistrut 2	19	1048	292.1
13	Total CF Steel		19	1048	292.1

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Member)	Surface(...
1	Dead	None		-1			36			
2	Wind (0 deg)	None					36	7		
3	Wind (90 deg)	None					36	20		
4	Wind (30 deg)	None					72	26		
5	Wind (60 deg)	None					72	26		
6	Wind (120 deg)	None					72	26		
7	Wind (150 deg)	None					72	26		
8	Dead Ice	None					36	29		
9	Wind + Ice (0 deg)	None					36	7		
10	Wind + Ice (90 deg)	None					36	20		
11	Wind + Ice (30 deg)	None					72	26		
12	Wind + Ice (60 deg)	None					72	26		
13	Wind + Ice (120 deg)	None					72	26		
14	Wind + Ice (150 deg)	None					72	26		

Load Combinations

	Description	Solve	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	1.4DL	Yes	Y		1	1.4																				
2	1.2DL+1.6WL(0)	Yes	Y		1	1.2	2	1.6																		
3	1.2DL+1.6WL(30)	Yes	Y		1	1.2	4	1.6																		
4	1.2DL+1.6WL(60)	Yes	Y		1	1.2	5	1.6																		
5	1.2DL+1.6WL(90)	Yes	Y		1	1.2	3	1.6																		
6	1.2DL+1.6WL(120)	Yes	Y		1	1.2	6	1.6																		
7	1.2DL+1.6WL(150)	Yes	Y		1	1.2	7	1.6																		
8	1.2DL+1.6WL(180)	Yes	Y		1	1.2	2	-1.6																		
9	1.2DL+1.6WL(210)	Yes	Y		1	1.2	4	-1.6																		
10	1.2DL+1.6WL(240)	Yes	Y		1	1.2	5	-1.6																		
11	1.2DL+1.6WL(270)	Yes	Y		1	1.2	3	-1.6																		
12	1.2DL+1.6WL(300)	Yes	Y		1	1.2	6	-1.6																		
13	1.2DL+1.6WL(330)	Yes	Y		1	1.2	7	-1.6																		
14	1.2DL+1.0DLi+1.0WLi(...	Yes	Y		1	1.2	8	1	9	1																
15	1.2DL+1.0DLi+1.0WLi(...	Yes	Y		1	1.2	8	1	11	1																
16	1.2DL+1.0DLi+1.0WLi(...	Yes	Y		1	1.2	8	1	12	1																
17	1.2DL+1.0DLi+1.0WLi(...	Yes	Y		1	1.2	8	1	10	1																
18	1.2DL+1.0DLi+1.0WLi(...	Yes	Y		1	1.2	8	1	13	1																
19	1.2DL+1.0DLi+1.0WLi(...	Yes	Y		1	1.2	8	1	14	1																
20	1.2DL+1.0DLi+1.0WLi(...	Yes	Y		1	1.2	8	1	9	-1																

Load Combinations (Continued)

	Description	Solve	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
21	1.2DL+1.0DLi+1.0WLi(...	Yes	Y		1	1.2	8	1	11	-1														
22	1.2DL+1.0DLi+1.0WLi(...	Yes	Y		1	1.2	8	1	12	-1														
23	1.2DL+1.0DLi+1.0WLi(...	Yes	Y		1	1.2	8	1	10	-1														
24	1.2DL+1.0DLi+1.0WLi(...	Yes	Y		1	1.2	8	1	13	-1														
25	1.2DL+1.0DLi+1.0WLi(...	Yes	Y		1	1.2	8	1	14	-1														

Hot Rolled Steel Properties

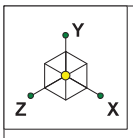
	Label	E [ksi]	G [ksi]	Nu	Therm (\1E5 F)	Density[lb/ft^3]	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	490	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	490	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	490	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	490	35	1.6	60	1.2
7	A1085	29000	11154	.3	.65	490	50	1.4	65	1.3

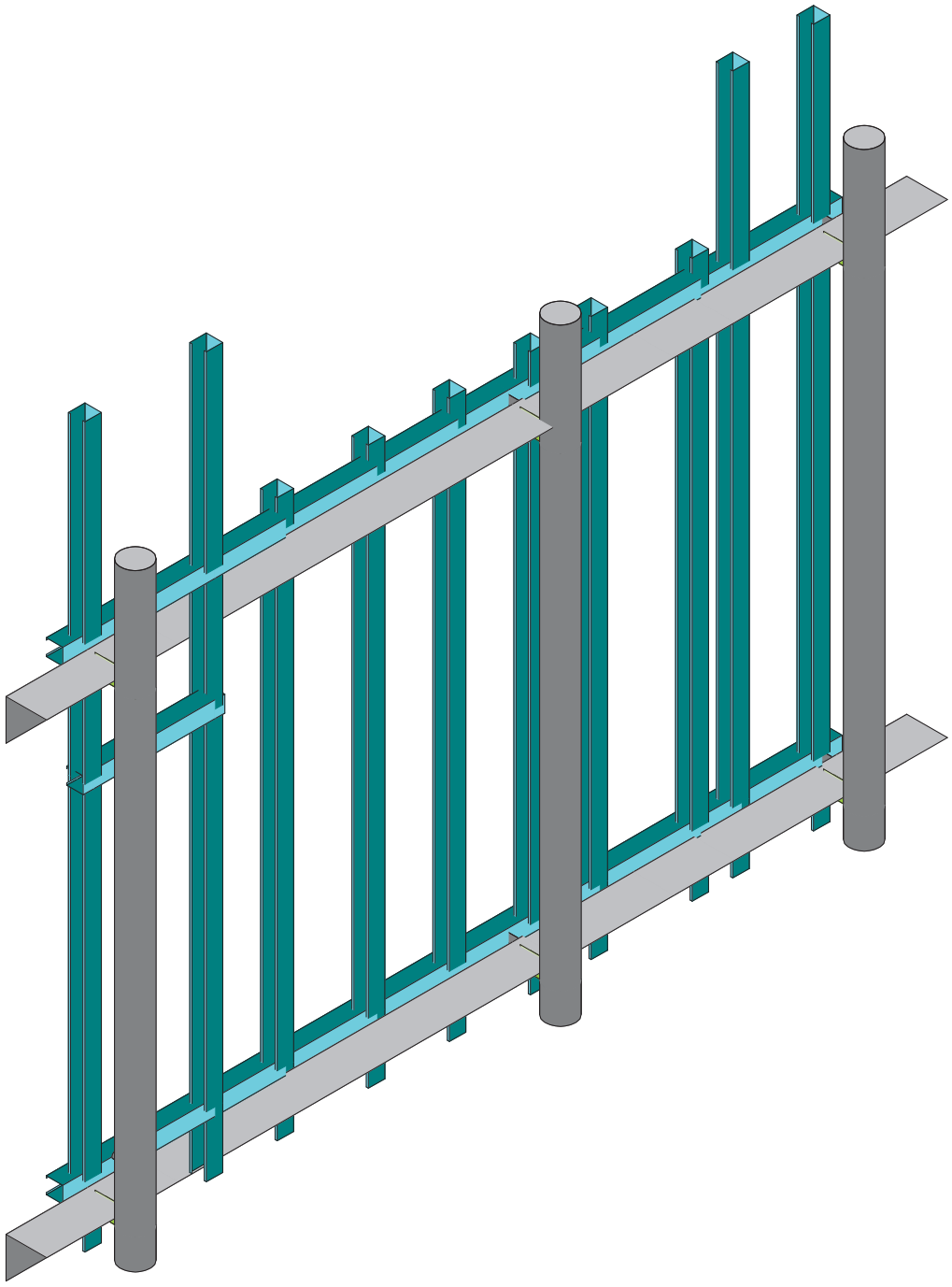
Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Angle	L4x4x4	Beam	Single Angle	A36 Gr.36	Typical	1.938	3.039	3.039	.039
2	Mount Pipe	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
3	Unistrut Support	0.625" S.R.	Beam	BAR	A36 Gr.36	Typical	.307	.007	.007	.015

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

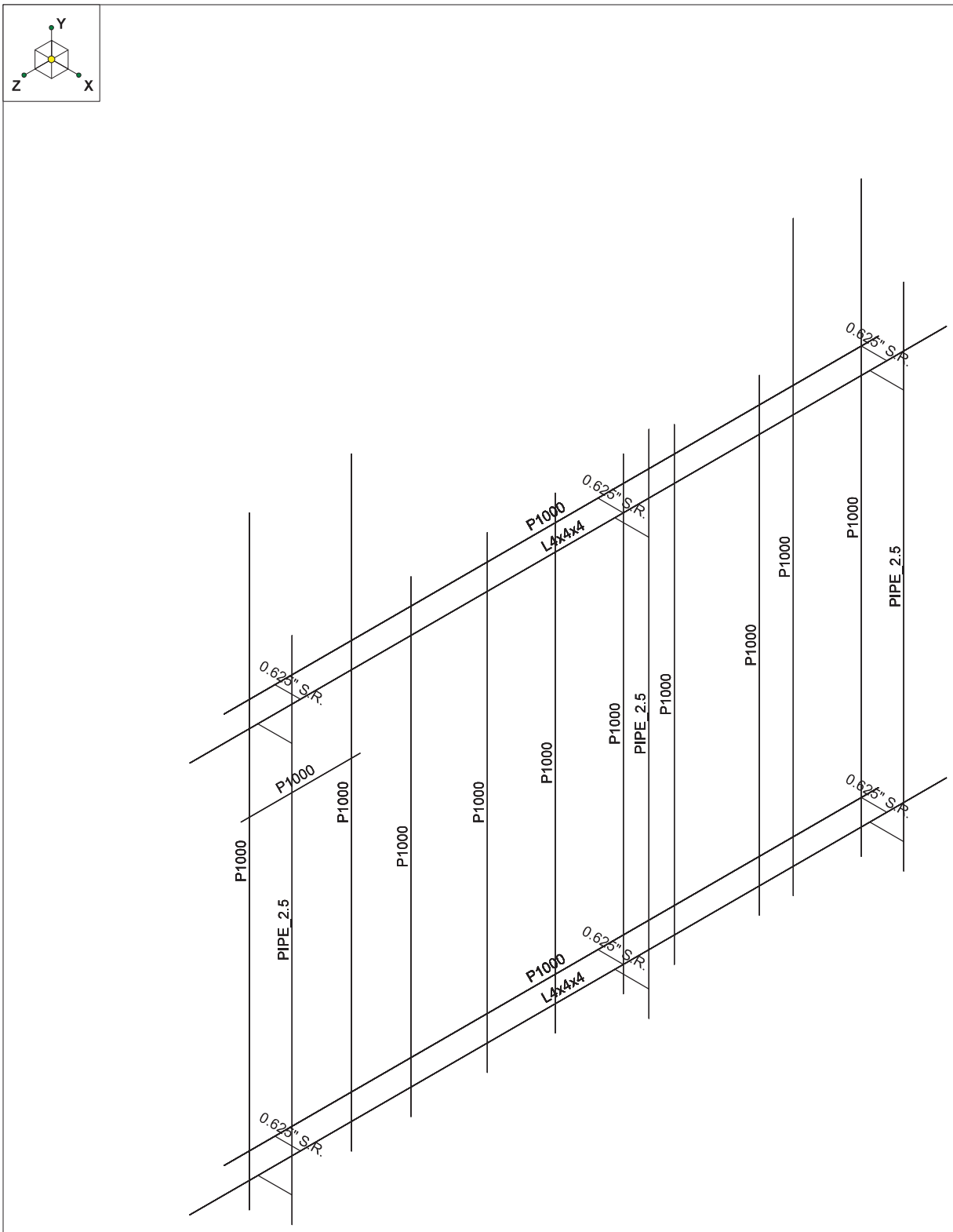
	Member	Shape	Code Check	Loc[in]	LC	Shear Check	Loc[in]	Dir	LC	phi*Pnc...	phi*Pnt...	phi*Mn ...	phi*Mn ...	Cb	Eqn
1	M15	0.625" S.R.	.672	3	17	.088	0		17	9749.139	9940.19	103.542	103.542	1...	H1-1b
2	M16	0.625" S.R.	.658	3	17	.087	0		17	9749.139	9940.19	103.542	103.542	1...	H1-1b
3	M10	0.625" S.R.	.542	3	23	.097	0		23	9749.139	9940.19	103.542	103.542	2...	H1-1b
4	M9	0.625" S.R.	.539	3	17	.095	0		17	9749.139	9940.19	103.542	103.542	2...	H1-1b
5	M12	0.625" S.R.	.449	0	23	.082	0		23	9749.139	9940.19	103.542	103.542	2...	H1-1b
6	M11	0.625" S.R.	.443	0	17	.081	0		17	9749.139	9940.19	103.542	103.542	2...	H1-1b
7	M4	L4x4x4	.073	43	23	.171	43	z	23	32639....	62775	3209.894	6316.188	1...	H2-1
8	M3	L4x4x4	.072	43	23	.169	43	z	23	32639....	62775	3209.894	5908.84	1...	H2-1
9	M2	PIPE_2.5	.018	3.125	23	.008	3.125		11	41331....	50715	3596.25	3596.25	1...	H1-1b
10	M1	PIPE_2.5	.012	49.375	5	.007	3.125		11	41331....	50715	3596.25	3596.25	1...	H1-1b





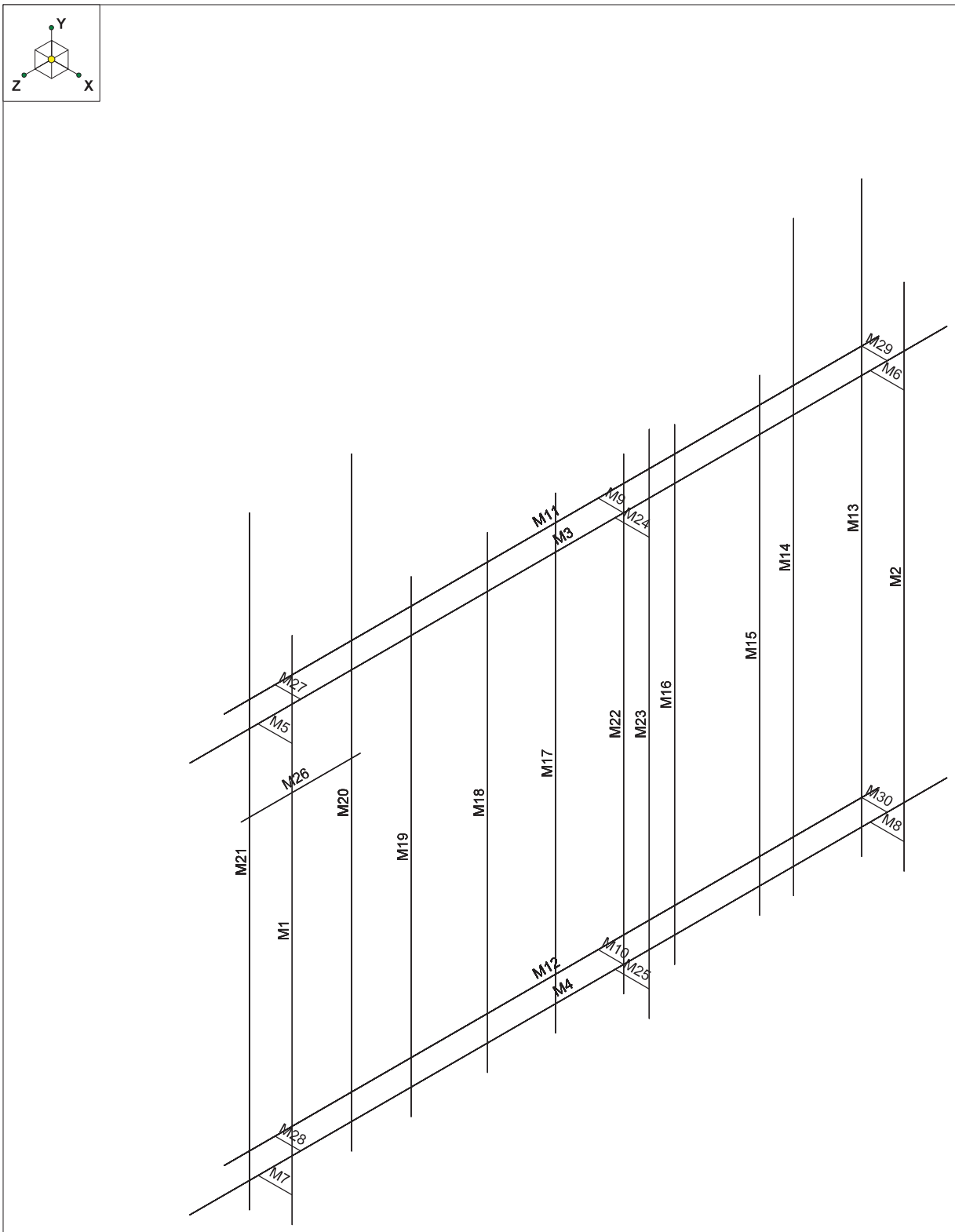
Envelope Only Solution

Azimuth Engineering Grou...	East Concordia College (Beta Sector) Rooftop Installation Model	SK - 1
DVA		Apr 28, 2020 at 11:42 AM
NYCNNY5617		NYCNNY5617 (Beta).R3D



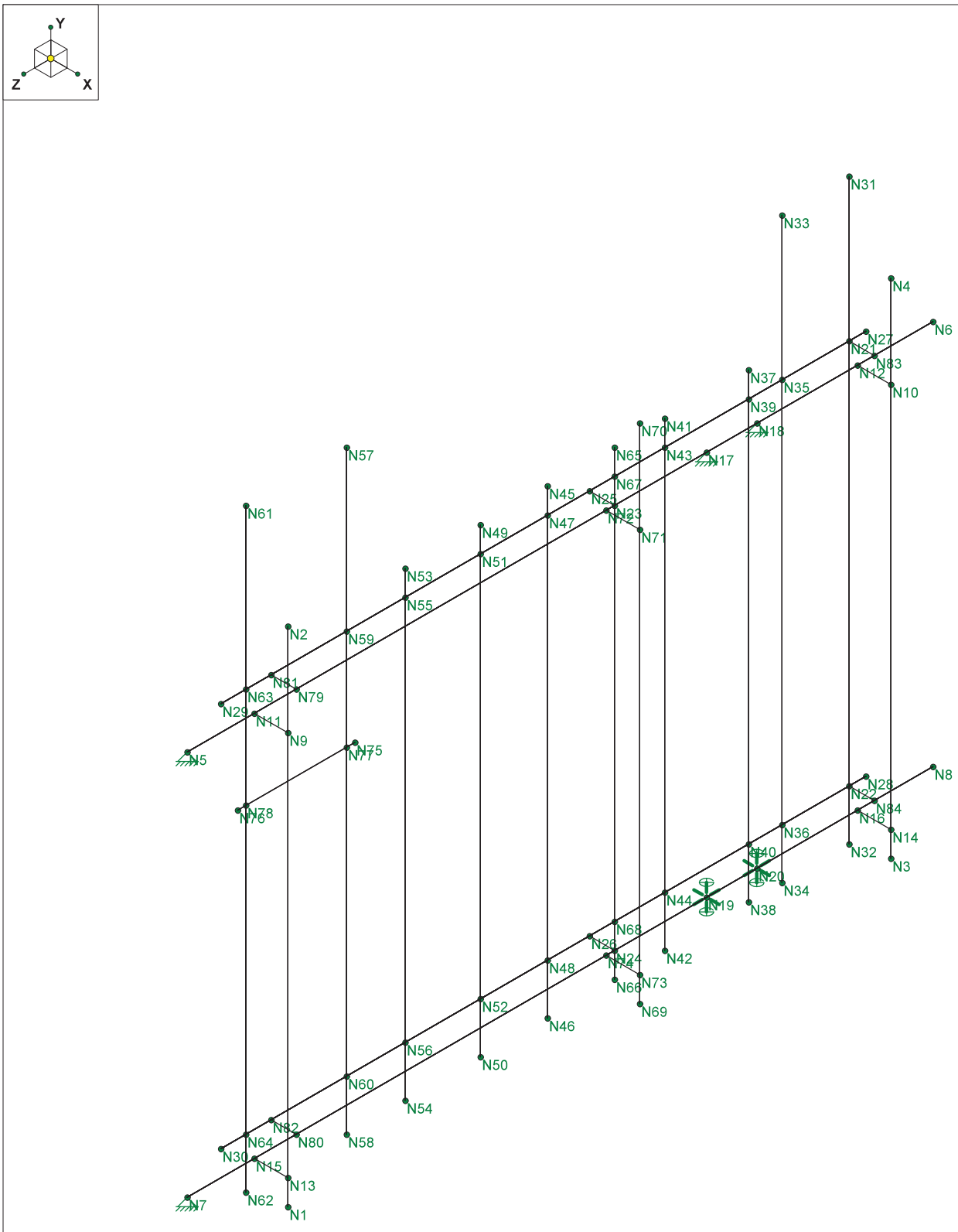
Envelope Only Solution

Azimuth Engineering Grou...		SK - 2
DVA	East Concordia College (Beta Sector)	Apr 28, 2020 at 11:43 AM
NYCNNY5617	Member Shapes	NYCNNY5617 (Beta).R3D



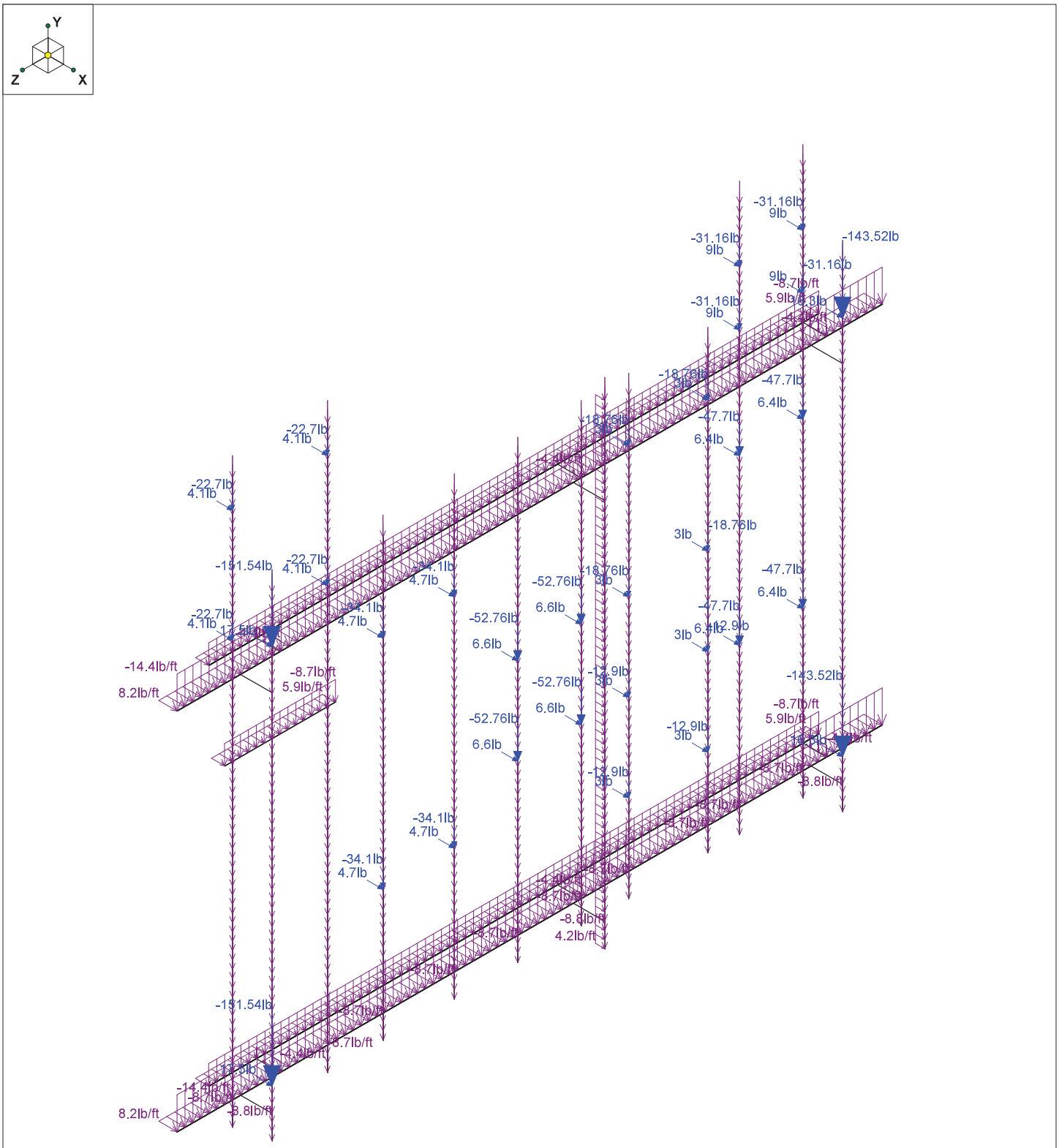
Envelope Only Solution

Azimuth Engineering Grou...		SK - 3
DVA	East Concordia College (Beta Sector)	Apr 28, 2020 at 11:43 AM
NYCNNY5617	Member Labels	NYCNNY5617 (Beta).R3D



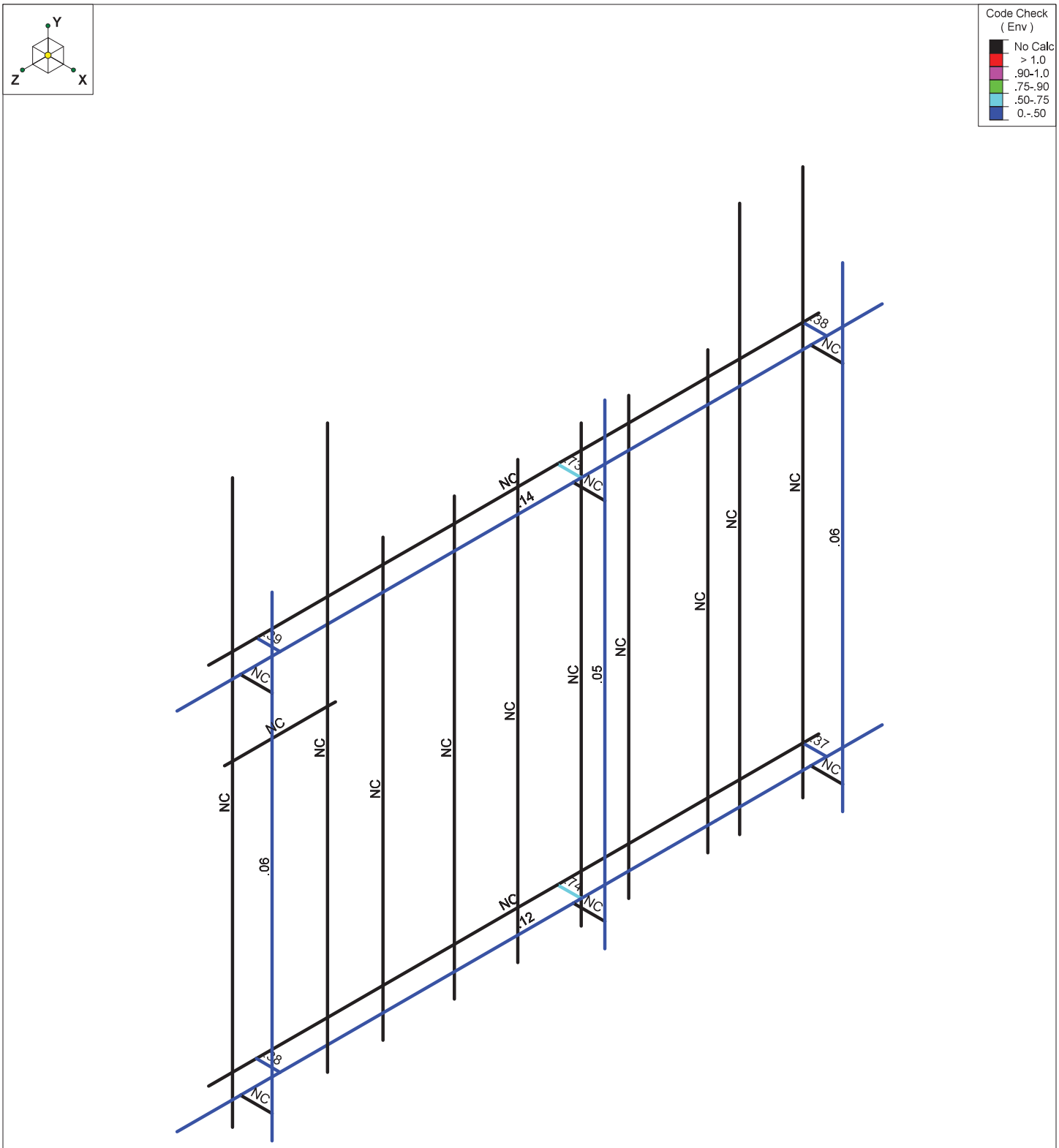
Envelope Only Solution

Azimuth Engineering Grou...		SK - 4
DVA	East Concordia College (Beta Sector)	Apr 28, 2020 at 11:43 AM
NYCNNY5617	Node Labels	NYCNNY5617 (Beta).R3D



Loads: LC 20, 1.2DL+1.0DLi+1.0WLi(180)
Envelope Only Solution

Azimuth Engineering Grou...		SK - 5
DVA	East Concordia College (Beta Sector)	Apr 28, 2020 at 11:44 AM
NYCNNY5617	Controlling Load Case	NYCNNY5617 (Beta).R3D



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Azimuth Engineering Grou...		SK - 6
DVA	East Concordia College (Beta Sector)	Apr 28, 2020 at 11:44 AM
NYCNNY5617	Member Bending Check	NYCNNY5617 (Beta).R3D

Global

Display Sections for Member Calcs	5
Max Internal Sections for Member Calcs	97
Include Shear Deformation?	Yes
Increase Nailing Capacity for Wind?	Yes
Include Warping?	Yes
Trans Load Btwn Intersecting Wood Wall?	Yes
Area Load Mesh (in^2)	144
Merge Tolerance (in)	.12
P-Delta Analysis Tolerance	0.50%
Include P-Delta for Walls?	Yes
Automatically Iterate Stiffness for Walls?	Yes
Max Iterations for Wall Stiffness	3
Gravity Acceleration (in/sec^2)	386.4
Wall Mesh Size (in)	12
Eigensolution Convergence Tol. (1.E-)	4
Vertical Axis	Y
Global Member Orientation Plane	XZ
Static Solver	Sparse Accelerated
Dynamic Solver	Accelerated Solver

Hot Rolled Steel Code	AISC 14th(360-10): LRFD
Adjust Stiffness?	Yes(Iterative)
RISAConnection Code	AISC 14th(360-10): ASD
Cold Formed Steel Code	AISI S100-12: LRFD
Wood Code	AF&PA NDS-12: ASD
Wood Temperature	< 100F
Concrete Code	ACI 318-11
Masonry Code	ACI 530-13: Strength
Aluminum Code	AA ADM1-10: LRFD - Building

Number of Shear Regions	4
Region Spacing Increment (in)	4
Biaxial Column Method	Exact Integration
Parme Beta Factor (PCA)	.65
Concrete Stress Block	Rectangular
Use Cracked Sections?	Yes
Use Cracked Sections Slab?	Yes
Bad Framing Warnings?	No
Unused Force Warnings?	Yes
Min 1 Bar Diam. Spacing?	No
Concrete Rebar Set	REBAR_SET_ASTMA615
Min % Steel for Column	1
Max % Steel for Column	8

Global, Continued

Seismic Code	ASCE 7-10
Seismic Base Elevation (in)	Not Entered
Add Base Weight?	Yes
Ct X	.02
Ct Z	.02
T X (sec)	Not Entered
T Z (sec)	Not Entered
R X	3
R Z	3
Ct Exp. X	.75
Ct Exp. Z	.75
SD1	1
SDS	1
S1	1
TL (sec)	5
Risk Cat	I or II
Om Z	1
Om X	1
Rho Z	1
Rho X	1

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N1	N2			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
2	M2	N3	N4			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
3	M3	N5	N6		90	Angle	Beam	Single Angle	A36 Gr.36	Typical
4	M4	N7	N8		90	Angle	Beam	Single Angle	A36 Gr.36	Typical
5	M5	N9	N11			RIGID	None	None	RIGID	Typical
6	M6	N10	N12			RIGID	None	None	RIGID	Typical
7	M7	N13	N15			RIGID	None	None	RIGID	Typical
8	M8	N14	N16			RIGID	None	None	RIGID	Typical
9	M9	N23	N25			Unistrut Support	Beam	BAR	A36 Gr.36	Typical
10	M10	N24	N26			Unistrut Support	Beam	BAR	A36 Gr.36	Typical
11	M11	N27	N29			Unistrut Rails	Beam	CS	A653 SS ...	Typical
12	M12	N28	N30			Unistrut Rails	Beam	CS	A653 SS ...	Typical
13	M13	N32	N31			Unistrut Rails	Beam	CS	A653 SS ...	Typical
14	M14	N34	N33			Unistrut Rails	Beam	CS	A653 SS ...	Typical
15	M15	N38	N37			Unistrut Rails	Beam	CS	A653 SS ...	Typical
16	M16	N42	N41			Unistrut Rails	Beam	CS	A653 SS ...	Typical
17	M17	N46	N45			Unistrut Rails	Beam	CS	A653 SS ...	Typical
18	M18	N50	N49			Unistrut Rails	Beam	CS	A653 SS ...	Typical
19	M19	N54	N53			Unistrut Rails	Beam	CS	A653 SS ...	Typical
20	M20	N58	N57			Unistrut Rails	Beam	CS	A653 SS ...	Typical
21	M21	N62	N61			Unistrut Rails	Beam	CS	A653 SS ...	Typical
22	M22	N66	N65			Unistrut Rails	Beam	CS	A653 SS ...	Typical
23	M23	N69	N70			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
24	M24	N71	N72			RIGID	None	None	RIGID	Typical
25	M25	N73	N74			RIGID	None	None	RIGID	Typical
26	M26	N75	N76			Unistrut Rails	Beam	CS	A653 SS ...	Typical
27	M27	N79	N81			Unistrut Support	Beam	BAR	A36 Gr.36	Typical
28	M28	N80	N82			Unistrut Support	Beam	BAR	A36 Gr.36	Typical
29	M29	N83	N21			Unistrut Support	Beam	BAR	A36 Gr.36	Typical
30	M30	N84	N22			Unistrut Support	Beam	BAR	A36 Gr.36	Typical

Material Takeoff

	Material	Size	Pieces	Length[in]	Weight[LB]
1	General				
2	RIGID		6	24	0
3	Total General		6	24	0
4					
5	Hot Rolled Steel				
6	A36 Gr.36	0.625" S.R.	6	18	1.6
7	A36 Gr.36	L4x4x4	2	178	97.8
8	A53 Gr.B	PIPE_2.5	3	180	82.2
9	Total HR Steel		11	376	181.5
10					
11	Cold Formed Steel				
12	A653 SS Gr33	P1000	13	778	100.2
13	Total CF Steel		13	778	100.2

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Member)	Surface(...
1	Dead	None		-1			32			
2	Wind (0 deg)	None					32	6		
3	Wind (90 deg)	None					32	19		
4	Wind (30 deg)	None					64	24		
5	Wind (60 deg)	None					64	24		
6	Wind (120 deg)	None					64	24		
7	Wind (150 deg)	None					64	24		
8	Dead Ice	None					32	24		
9	Wind + Ice (0 deg)	None					32	6		
10	Wind + Ice (90 deg)	None					32	19		
11	Wind + Ice (30 deg)	None					64	24		
12	Wind + Ice (60 deg)	None					64	24		
13	Wind + Ice (120 deg)	None					64	24		
14	Wind + Ice (150 deg)	None					64	24		

Load Combinations

	Description	Solve	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	1.4DL	Yes	Y		1	1.4																		
2	1.2DL+1.6WL(0)	Yes	Y		1	1.2	2	1.6																
3	1.2DL+1.6WL(30)	Yes	Y		1	1.2	4	1.6																
4	1.2DL+1.6WL(60)	Yes	Y		1	1.2	5	1.6																
5	1.2DL+1.6WL(90)	Yes	Y		1	1.2	3	1.6																
6	1.2DL+1.6WL(120)	Yes	Y		1	1.2	6	1.6																
7	1.2DL+1.6WL(150)	Yes	Y		1	1.2	7	1.6																
8	1.2DL+1.6WL(180)	Yes	Y		1	1.2	2	-1.6																
9	1.2DL+1.6WL(210)	Yes	Y		1	1.2	4	-1.6																
10	1.2DL+1.6WL(240)	Yes	Y		1	1.2	5	-1.6																
11	1.2DL+1.6WL(270)	Yes	Y		1	1.2	3	-1.6																
12	1.2DL+1.6WL(300)	Yes	Y		1	1.2	6	-1.6																
13	1.2DL+1.6WL(330)	Yes	Y		1	1.2	7	-1.6																
14	1.2DL+1.0DLi+1.0WLi(...	Yes	Y		1	1.2	8	1	9	1														
15	1.2DL+1.0DLi+1.0WLi(...	Yes	Y		1	1.2	8	1	11	1														
16	1.2DL+1.0DLi+1.0WLi(...	Yes	Y		1	1.2	8	1	12	1														
17	1.2DL+1.0DLi+1.0WLi(...	Yes	Y		1	1.2	8	1	10	1														
18	1.2DL+1.0DLi+1.0WLi(...	Yes	Y		1	1.2	8	1	13	1														
19	1.2DL+1.0DLi+1.0WLi(...	Yes	Y		1	1.2	8	1	14	1														
20	1.2DL+1.0DLi+1.0WLi(...	Yes	Y		1	1.2	8	1	9	-1														

Load Combinations (Continued)

	Description	Solve	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
21	1.2DL+1.0DLi+1.0WLi(...	Yes	Y		1	1.2	8	1	11	-1																
22	1.2DL+1.0DLi+1.0WLi(...	Yes	Y		1	1.2	8	1	12	-1																
23	1.2DL+1.0DLi+1.0WLi(...	Yes	Y		1	1.2	8	1	10	-1																
24	1.2DL+1.0DLi+1.0WLi(...	Yes	Y		1	1.2	8	1	13	-1																
25	1.2DL+1.0DLi+1.0WLi(...	Yes	Y		1	1.2	8	1	14	-1																

Hot Rolled Steel Properties

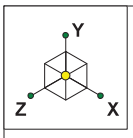
	Label	E [ksi]	G [ksi]	Nu	Therm (\1E5 F)	Density[lb/ft^3]	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	490	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	490	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	490	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	490	35	1.6	60	1.2
7	A1085	29000	11154	.3	.65	490	50	1.4	65	1.3

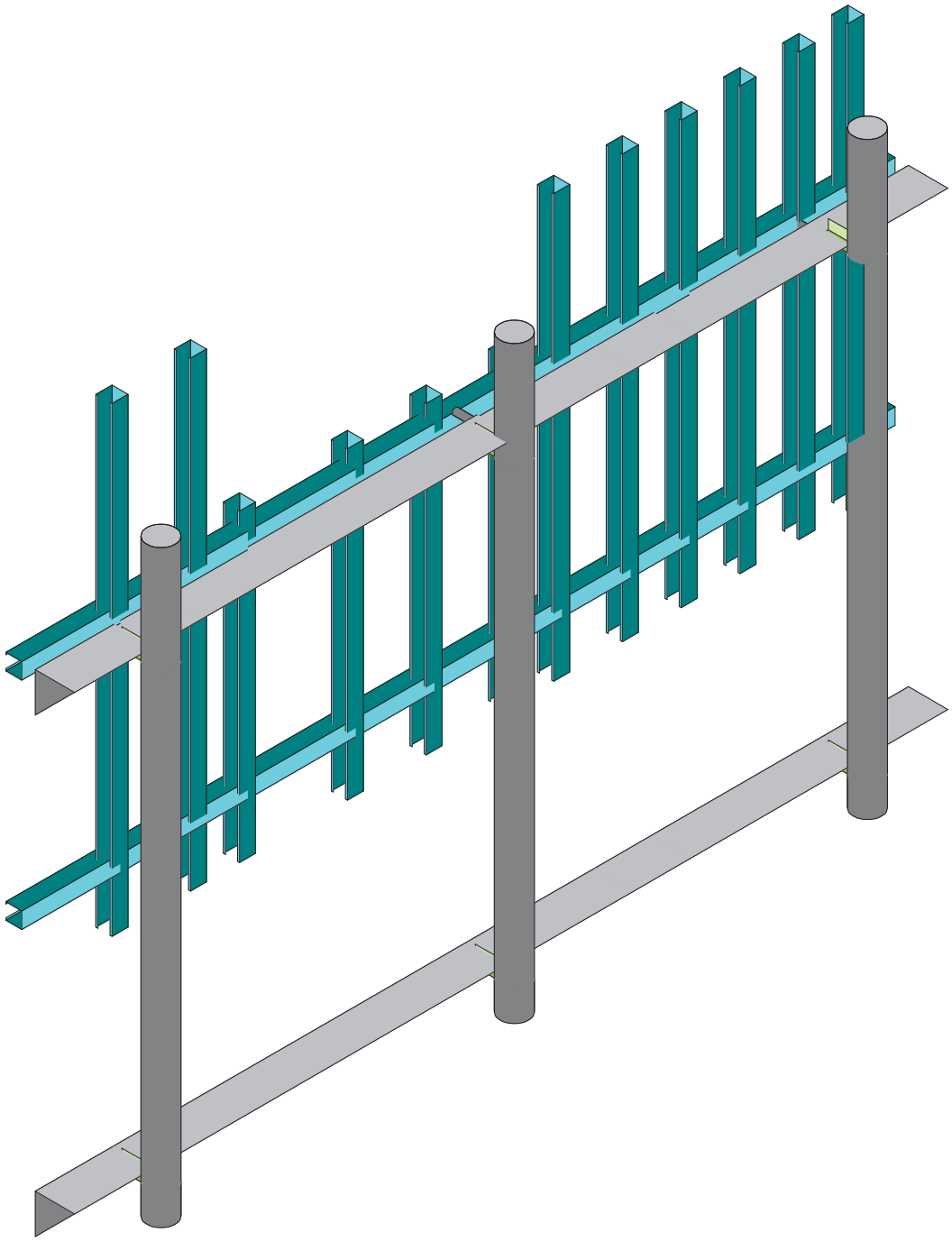
Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Angle	L4x4x4	Beam	Single Angle	A36 Gr.36	Typical	1.938	3.039	3.039	.039
2	Mount Pipe	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
3	Unistrut Support	0.625" S.R.	Beam	BAR	A36 Gr.36	Typical	.307	.007	.007	.015

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

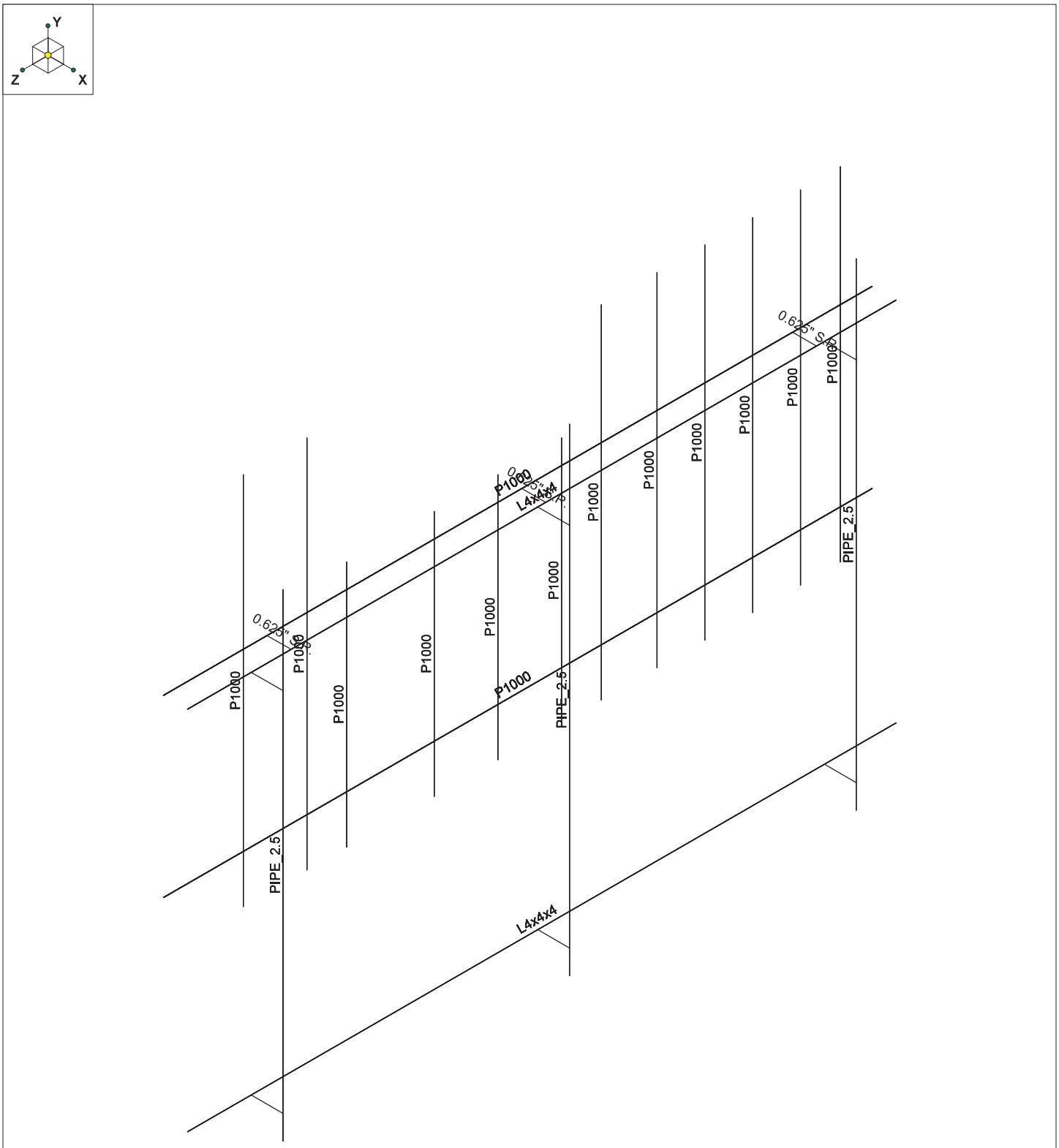
	Member	Shape	Code Check	Loc[in]	LC	Shear Check	Loc[in]	Dir	LC	phi*Pnc...	phi*Pnt...	phi*Mn ...	phi*Mn ...	Cb	Eqn
1	M10	0.625" S.R.	.743	0	20	.089	0		23	9749.139	9940.19	103.542	103.542	1...	H1-1b
2	M9	0.625" S.R.	.734	0	15	.088	0		17	9749.139	9940.19	103.542	103.542	1...	H1-1b
3	M27	0.625" S.R.	.393	0	17	.055	0		11	9749.139	9940.19	103.542	103.542	1...	H1-1b
4	M28	0.625" S.R.	.378	0	17	.044	0		17	9749.139	9940.19	103.542	103.542	1...	H1-1b
5	M29	0.625" S.R.	.376	3	15	.152	0		17	9749.139	9940.19	103.542	103.542	2...	H1-1b
6	M30	0.625" S.R.	.372	3	21	.158	0		17	9749.139	9940.19	103.542	103.542	2...	H1-1b
7	M3	L4x4x4	.137	67.677	8	.248	50.99	z	15	31364....	62775	3209.894	6239.731	1...	H2-1
8	M4	L4x4x4	.115	68.604	20	.249	50.99	z	20	31364....	62775	3209.894	6476.164	2...	H2-1
9	M1	PIPE_2.5	.062	3.125	20	.010	3.125		17	41331....	50715	3596.25	3596.25	1...	H1-1b
10	M2	PIPE_2.5	.059	3.125	20	.014	3.125		8	41331....	50715	3596.25	3596.25	1...	H1-1b
11	M23	PIPE_2.5	.046	3.125	20	.007	48.75		16	41331....	50715	3596.25	3596.25	1...	H1-1b





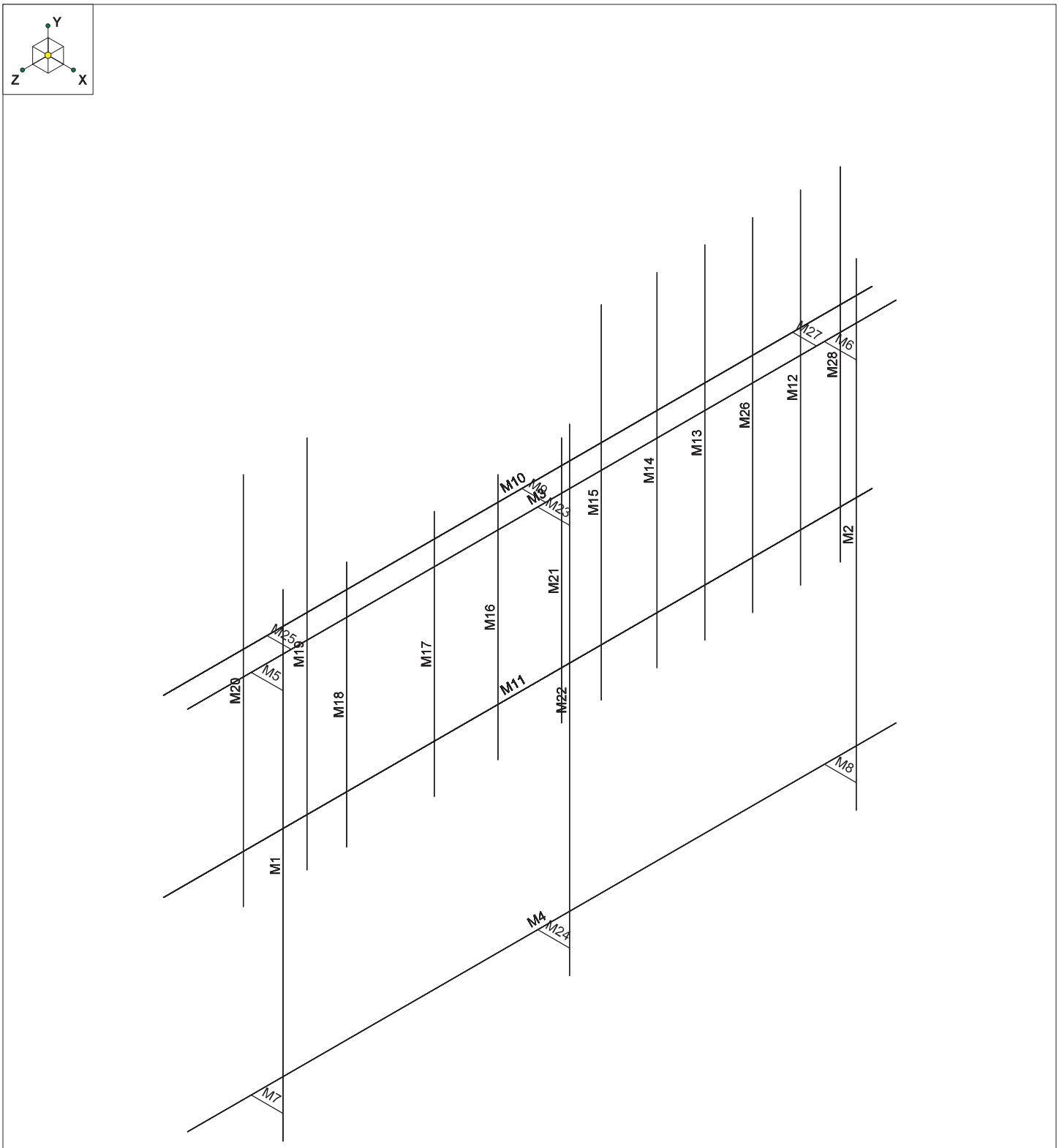
Envelope Only Solution

Azimuth Engineering Grou...	East Concordia College (Gamma Sector) Rooftop Installation Model	SK - 1
DVA		Apr 28, 2020 at 11:46 AM
NYCNNY5617		NYCNNY5617 (Gamma).R3D



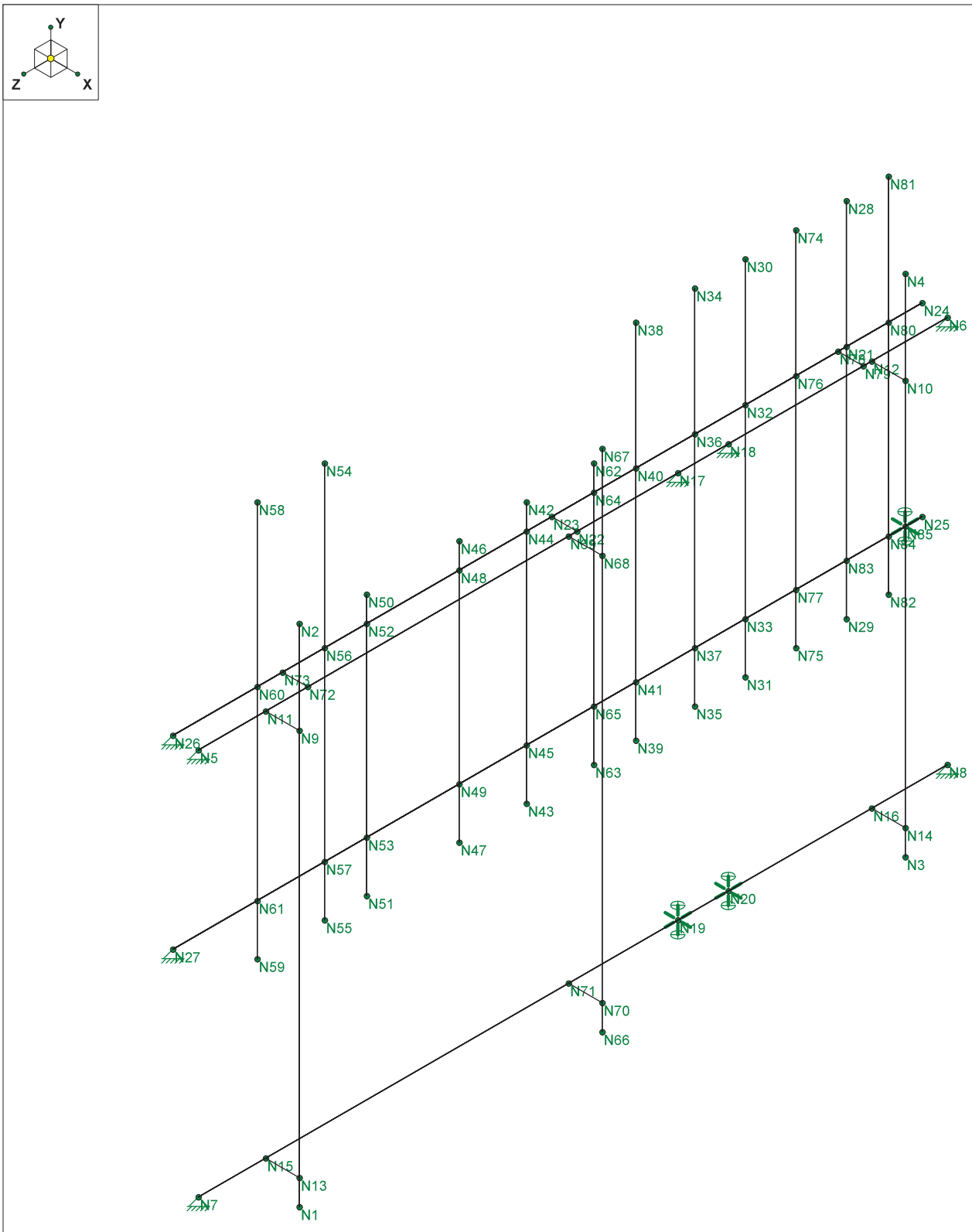
Envelope Only Solution

Azimuth Engineering Grou...		SK - 2
DVA	East Concordia College (Gamma Sector)	Apr 28, 2020 at 11:46 AM
NYCNNY5617	Member Shapes	NYCNNY5617 (Gamma).R3D



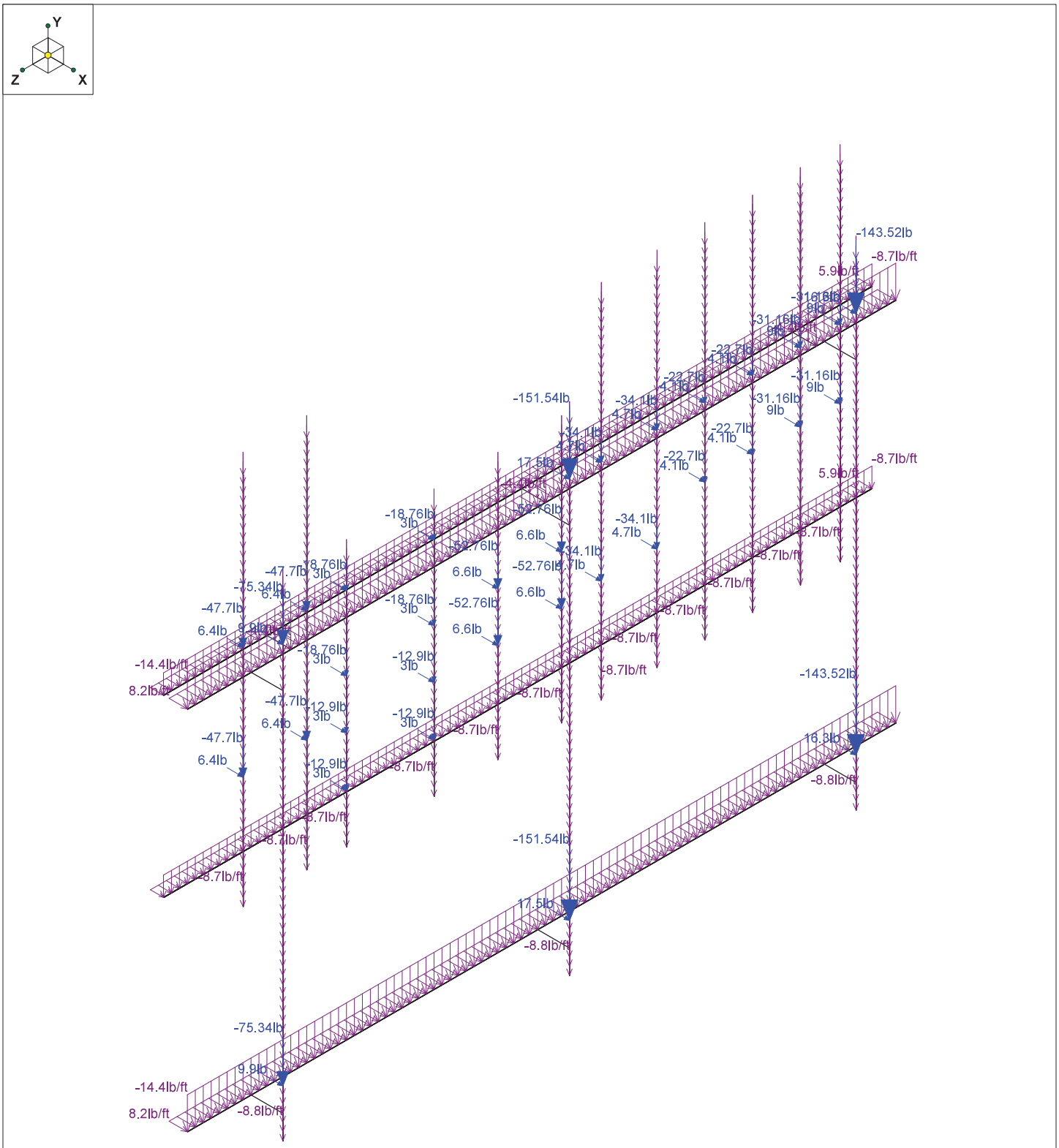
Envelope Only Solution

Azimuth Engineering Grou...		SK - 3
DVA	East Concordia College (Gamma Sector)	Apr 28, 2020 at 11:47 AM
NYCNNY5617	Member Labels	NYCNNY5617 (Gamma).R3D



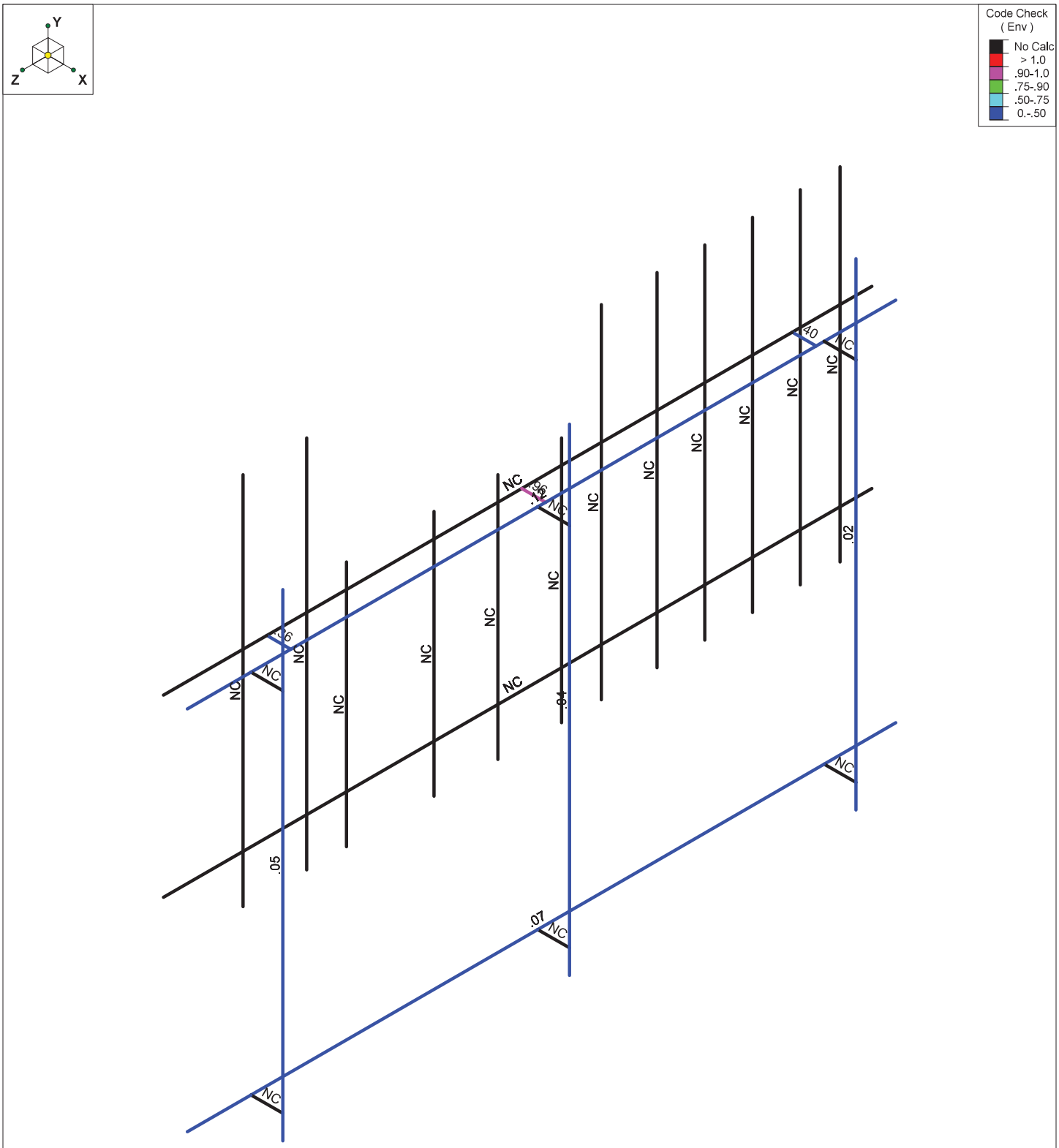
Envelope Only Solution

Azimuth Engineering Grou...		SK - 4
DVA	East Concordia College (Gamma Sector)	Apr 28, 2020 at 11:47 AM
NYCNNY5617	Node Labels	NYCNNY5617 (Gamma).R3D



Loads: LC 20, 1.2DL+1.0DLi+1.0WLi(180)
Envelope Only Solution

Azimuth Engineering Grou...		SK - 5
DVA	East Concordia College (Gamma Sector)	Apr 28, 2020 at 11:47 AM
NYCNNY5617	Controlling Load Case	NYCNNY5617 (Gamma).R3D



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Azimuth Engineering Grou...		SK - 6
DVA	East Concordia College (Gamma Sector)	Apr 28, 2020 at 11:48 AM
NYCNNY5617	Member Bending Check	NYCNNY5617 (Gamma).R3D

Global

Display Sections for Member Calcs	5
Max Internal Sections for Member Calcs	97
Include Shear Deformation?	Yes
Increase Nailing Capacity for Wind?	Yes
Include Warping?	Yes
Trans Load Btwn Intersecting Wood Wall?	Yes
Area Load Mesh (in^2)	144
Merge Tolerance (in)	.12
P-Delta Analysis Tolerance	0.50%
Include P-Delta for Walls?	Yes
Automatically Iterate Stiffness for Walls?	Yes
Max Iterations for Wall Stiffness	3
Gravity Acceleration (in/sec^2)	386.4
Wall Mesh Size (in)	12
Eigensolution Convergence Tol. (1.E-)	4
Vertical Axis	Y
Global Member Orientation Plane	XZ
Static Solver	Sparse Accelerated
Dynamic Solver	Accelerated Solver

Hot Rolled Steel Code	AISC 14th(360-10): LRFD
Adjust Stiffness?	Yes(Iterative)
RISAConnection Code	AISC 14th(360-10): ASD
Cold Formed Steel Code	AISI S100-12: LRFD
Wood Code	AF&PA NDS-12: ASD
Wood Temperature	< 100F
Concrete Code	ACI 318-11
Masonry Code	ACI 530-13: Strength
Aluminum Code	AA ADM1-10: LRFD - Building

Number of Shear Regions	4
Region Spacing Increment (in)	4
Biaxial Column Method	Exact Integration
Parme Beta Factor (PCA)	.65
Concrete Stress Block	Rectangular
Use Cracked Sections?	Yes
Use Cracked Sections Slab?	Yes
Bad Framing Warnings?	No
Unused Force Warnings?	Yes
Min 1 Bar Diam. Spacing?	No
Concrete Rebar Set	REBAR_SET_ASTMA615
Min % Steel for Column	1
Max % Steel for Column	8

Global, Continued

Seismic Code	ASCE 7-10
Seismic Base Elevation (in)	Not Entered
Add Base Weight?	Yes
Ct X	.02
Ct Z	.02
T X (sec)	Not Entered
T Z (sec)	Not Entered
R X	3
R Z	3
Ct Exp. X	.75
Ct Exp. Z	.75
SD1	1
SDS	1
S1	1
TL (sec)	5
Risk Cat	I or II
Om Z	1
Om X	1
Rho Z	1
Rho X	1

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N1	N2			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
2	M2	N3	N4			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
3	M3	N5	N6		90	Angle	Beam	Single Angle	A36 Gr.36	Typical
4	M4	N7	N8		90	Angle	Beam	Single Angle	A36 Gr.36	Typical
5	M5	N9	N11			RIGID	None	None	RIGID	Typical
6	M6	N10	N12			RIGID	None	None	RIGID	Typical
7	M7	N13	N15			RIGID	None	None	RIGID	Typical
8	M8	N14	N16			RIGID	None	None	RIGID	Typical
9	M9	N22	N23			Unistrut Support	Beam	BAR	A36 Gr.36	Typical
10	M10	N24	N26			Unistrut Rails	Beam	CS	A653 SS ...	Typical
11	M11	N25	N27			Unistrut Rails	Beam	CS	A653 SS ...	Typical
12	M12	N29	N28			Unistrut Rails	Beam	CS	A653 SS ...	Typical
13	M13	N31	N30			Unistrut Rails	Beam	CS	A653 SS ...	Typical
14	M14	N35	N34			Unistrut Rails	Beam	CS	A653 SS ...	Typical
15	M15	N39	N38			Unistrut Rails	Beam	CS	A653 SS ...	Typical
16	M16	N43	N42			Unistrut Rails	Beam	CS	A653 SS ...	Typical
17	M17	N47	N46			Unistrut Rails	Beam	CS	A653 SS ...	Typical
18	M18	N51	N50			Unistrut Rails	Beam	CS	A653 SS ...	Typical
19	M19	N55	N54			Unistrut Rails	Beam	CS	A653 SS ...	Typical
20	M20	N59	N58			Unistrut Rails	Beam	CS	A653 SS ...	Typical
21	M21	N63	N62			Unistrut Rails	Beam	CS	A653 SS ...	Typical
22	M22	N66	N67			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
23	M23	N68	N69			RIGID	None	None	RIGID	Typical
24	M24	N70	N71			RIGID	None	None	RIGID	Typical
25	M25	N72	N73			Unistrut Support	Beam	BAR	A36 Gr.36	Typical
26	M26	N75	N74			Unistrut Rails	Beam	CS	A653 SS ...	Typical
27	M27	N79	N78			Unistrut Support	Beam	BAR	A36 Gr.36	Typical
28	M28	N82	N81			Unistrut Rails	Beam	CS	A653 SS ...	Typical

Material Takeoff

	Material	Size	Pieces	Length[in]	Weight[LB]
1	General				
2	RIGID		6	24	0
3	Total General		6	24	0
4					
5	Hot Rolled Steel				
6	A36 Gr.36	0.625" S.R.	3	9	.8
7	A36 Gr.36	L4x4x4	2	178	97.8
8	A53 Gr.B	PIPE_2.5	3	180	82.2
9	Total HR Steel		8	367	180.8
10					
11	Cold Formed Steel				
12	A653 SS Gr33	P1000	14	654	84.2
13	Total CF Steel		14	654	84.2

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Member)	Surface(...
1	Dead	None		-1			34			
2	Wind (0 deg)	None					34	4		
3	Wind (90 deg)	None					34	18		
4	Wind (30 deg)	None					68	14		
5	Wind (60 deg)	None					68	14		
6	Wind (120 deg)	None					68	14		
7	Wind (150 deg)	None					68	14		
8	Dead Ice	None					34	22		
9	Wind + Ice (0 deg)	None					34	4		
10	Wind + Ice (90 deg)	None					34	18		
11	Wind + Ice (30 deg)	None					68	14		
12	Wind + Ice (60 deg)	None					68	14		
13	Wind + Ice (120 deg)	None					68	14		
14	Wind + Ice (150 deg)	None					68	14		

Load Combinations

	Description	Solve	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	1.4DL	Yes	Y		1	1.4																				
2	1.2DL+1.6WL(0)	Yes	Y		1	1.2	2	1.6																		
3	1.2DL+1.6WL(30)	Yes	Y		1	1.2	4	1.6																		
4	1.2DL+1.6WL(60)	Yes	Y		1	1.2	5	1.6																		
5	1.2DL+1.6WL(90)	Yes	Y		1	1.2	3	1.6																		
6	1.2DL+1.6WL(120)	Yes	Y		1	1.2	6	1.6																		
7	1.2DL+1.6WL(150)	Yes	Y		1	1.2	7	1.6																		
8	1.2DL+1.6WL(180)	Yes	Y		1	1.2	2	-1.6																		
9	1.2DL+1.6WL(210)	Yes	Y		1	1.2	4	-1.6																		
10	1.2DL+1.6WL(240)	Yes	Y		1	1.2	5	-1.6																		
11	1.2DL+1.6WL(270)	Yes	Y		1	1.2	3	-1.6																		
12	1.2DL+1.6WL(300)	Yes	Y		1	1.2	6	-1.6																		
13	1.2DL+1.6WL(330)	Yes	Y		1	1.2	7	-1.6																		
14	1.2DL+1.0DLi+1.0WLi(...	Yes	Y		1	1.2	8	1	9	1																
15	1.2DL+1.0DLi+1.0WLi(...	Yes	Y		1	1.2	8	1	11	1																
16	1.2DL+1.0DLi+1.0WLi(...	Yes	Y		1	1.2	8	1	12	1																
17	1.2DL+1.0DLi+1.0WLi(...	Yes	Y		1	1.2	8	1	10	1																
18	1.2DL+1.0DLi+1.0WLi(...	Yes	Y		1	1.2	8	1	13	1																
19	1.2DL+1.0DLi+1.0WLi(...	Yes	Y		1	1.2	8	1	14	1																
20	1.2DL+1.0DLi+1.0WLi(...	Yes	Y		1	1.2	8	1	9	-1																

Load Combinations (Continued)

	Description	Solve	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
21	1.2DL+1.0DLi+1.0WLi(...	Yes	Y		1	1.2	8	1	11	-1														
22	1.2DL+1.0DLi+1.0WLi(...	Yes	Y		1	1.2	8	1	12	-1														
23	1.2DL+1.0DLi+1.0WLi(...	Yes	Y		1	1.2	8	1	10	-1														
24	1.2DL+1.0DLi+1.0WLi(...	Yes	Y		1	1.2	8	1	13	-1														
25	1.2DL+1.0DLi+1.0WLi(...	Yes	Y		1	1.2	8	1	14	-1														

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (\1E5 F)	Density[lb/ft^3]	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	490	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	490	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	490	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	490	35	1.6	60	1.2
7	A1085	29000	11154	.3	.65	490	50	1.4	65	1.3

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Angle	L4x4x4	Beam	Single Angle	A36 Gr.36	Typical	1.938	3.039	3.039	.039
2	Mount Pipe	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
3	Unistrut Support	0.625" S.R.	Beam	BAR	A36 Gr.36	Typical	.307	.007	.007	.015

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

	Member	Shape	Code Check	Loc[in]	LC	Shear Check	Loc[in]	Dir	LC	phi*Pnc...	phi*Pnt...	phi*Mn ...	phi*Mn ...	Cb	Eqn
1	M9	0.625" S.R.	.964	0	20	.121	0		17	9749.139	9940.19	103.542	103.542	1...	H1-1b
2	M27	0.625" S.R.	.396	0	17	.108	0		17	9749.139	9940.19	103.542	103.542	1...	H1-1b
3	M25	0.625" S.R.	.362	0	20	.089	0		19	9749.139	9940.19	103.542	103.542	1...	H1-1b
4	M3	L4x4x4	.122	56.552	19	.332	44.5	z	20	31364....	62775	3209.894	6327.971	1...	H2-1
5	M4	L4x4x4	.067	56.552	8	.017	56.552	z	20	31364....	62775	3209.894	6229.335	1...	H2-1
6	M1	PIPE_2.5	.047	48.75	20	.009	3.125		7	41331....	50715	3596.25	3596.25	1...	H1-1b
7	M22	PIPE_2.5	.043	48.75	20	.011	3.125		9	41331....	50715	3596.25	3596.25	1...	H1-1b
8	M2	PIPE_2.5	.020	3.125	20	.008	3.125		11	41331....	50715	3596.25	3596.25	2...	H1-1b

EXHIBIT K

ULS License

Cellular License - KNKA310 - NEW CINGULAR WIRELESS PCS, LLC

Call Sign	KNKA310	Radio Service	CL - Cellular
Status	Active	Auth Type	Regular

Market

Market	CMA001 - New York, NY-NJ/Nassau-Suffolk	Channel Block	A
Submarket	0	Phase	2

Dates

Grant	10/14/2015	Expiration	10/01/2025
Effective	10/14/2015	Cancellation	

Five Year Buildout Date

01/17/2000

Control Points

1	87 W. PASSAIC STREET, ROCHELLE PARK, NJ
2	Manhattan Switch, 810 7th Avenue, New York, NY

Licensee

FRN	0003291192	Type	Limited Liability Company

Licensee

NEW CINGULAR WIRELESS PCS, LLC
3300 E. Renner Road, B3132
Richardson, TX 75082
ATTN Reginald Youngblood

P:(855)699-7073
F:(972)907-1131
E:FCCMW@att.com

Contact

AT&T MOBILITY LLC
Michael P Goggin
1120 20th Street, NW - Suite 1000
Washington, DC 20036
ATTN Michael P. Goggin

P:(202)457-2055
F:(202)457-3073
E:michael.p.goggin@att.com

Ownership and Qualifications

Radio Service Type Mobile

Regulatory Status Common Carrier Interconnected Yes

Alien Ownership
The Applicant answered "No" to each of the Alien Ownership questions.

Basic Qualifications
The Applicant answered "No" to each of the Basic Qualification questions.

Demographics

Race

Ethnicity

Gender

ULS License

PCS Broadband License - WPOL311 - NEW CINGULAR WIRELESS PCS, LLC

Call Sign	WPOL311	Radio Service	CW - PCS Broadband
Status	Active	Auth Type	Regular

Rural Service Provider Bidding Credit

Is the Applicant seeking a Rural Service Provider (RSP) bidding credit?

Reserved Spectrum

Reserved Spectrum

Market

Market	BTA321 - New York, NY	Channel Block	E
Submarket	2	Associated Frequencies (MHz)	001885.00000000-001890.00000000 001965.00000000-001970.00000000

Dates

Grant	06/02/2017	Expiration	06/27/2027
Effective	06/14/2017	Cancellation	

Buildout Deadlines

1st	06/27/2002	2nd	

Notification Dates

1st	05/29/2002	2nd	

Licensee

FRN	0003291192	Type	Limited Liability Company

Licensee

NEW CINGULAR WIRELESS PCS, LLC
208 S Akard St., RM 1016
Dallas, TX 75202
ATTN Leslie Wilson

P:(855)699-7073
F:(214)746-6410
E:FCCMW@att.com

Contact

AT&T MOBILITY LLC
Michael P Goggin
1120 20th Street, NW - Suite 1000
Washington, DC 20036
ATTN FCC Group

P:(202)457-2055
F:(202)457-3073
E:michael.p.goggin@att.com

Ownership and Qualifications

Radio Service Type	Mobile		
Regulatory Status	Common Carrier	Interconnected	Yes

Alien Ownership

The Applicant answered "No" to each of the Alien Ownership questions.

Basic Qualifications

The Applicant answered "No" to each of the Basic Qualification questions.

Tribal Land Bidding Credits

This license did not have tribal land bidding credits.

Demographics

Race

Ethnicity

Gender

ULS License

PCS Broadband License - WPSL626 - NEW CINGULAR WIRELESS PCS, LLC

Call Sign	WPSL626	Radio Service	CW - PCS Broadband
Status	Active	Auth Type	Regular

Market

Market	MTA001 - New York	Channel Block	A
Submarket	15	Associated Frequencies (MHz)	001850.00000000-001865.00000000 001930.00000000-001945.00000000

Dates

Grant	12/16/2014	Expiration	12/14/2024
Effective	12/16/2014	Cancellation	

Buildout Deadlines

1st	12/14/1999	2nd	12/14/2004

Notification Dates

1st	04/26/1999	2nd	04/01/1999

Licensee

FRN	0003291192	Type	Limited Liability Company

Licensee

NEW CINGULAR WIRELESS PCS, LLC
3300 E. Renner Road, B3132
Richardson, TX 75082
ATTN Reginald Youngblood

P:(855)699-7073
F:(972)907-1131
E:FCCMW@att.com

Contact

AT&T MOBILITY LLC
Reginald Youngblood
2200 N Greenville
Richardson, TX 75082
ATTN FCC Group

P:(972)234-7003
E:FCCMW@att.com

Ownership and Qualifications

Radio Service Type	Mobile		
Regulatory Status	Common Carrier	Interconnected	Yes

Alien Ownership

The Applicant answered "No" to each of the Alien Ownership questions.

Basic Qualifications
The Applicant answered "No" to each of the Basic Qualification questions.

Tribal Land Bidding Credits
This license did not have tribal land bidding credits.

Demographics

Race

Ethnicity

Gender

ULS License

PCS Broadband License - WQGG892 - NEW CINGULAR WIRELESS PCS, LLC

Call Sign	WQGG892	Radio Service	CW - PCS Broadband
Status	Active	Auth Type	Regular

Market

Market	MTA001 - New York	Channel Block	A
Submarket	14	Associated Frequencies (MHz)	001850.00000000-001865.00000000 001930.00000000-001945.00000000

Dates

Grant	12/10/2014	Expiration	12/14/2024
Effective	12/10/2014	Cancellation	

Buildout Deadlines

1st	2nd

Notification Dates

1st	2nd

Licensee

FRN	0003291192	Type	Limited Liability Company

Licensee

NEW CINGULAR WIRELESS PCS, LLC
3300 E. Renner Road, B3132
Richardson, TX 75082
ATTN Reginald Youngblood

P:(855)699-7073
F:(972)907-1131
E:FCCMW@att.com

Contact

AT&T MOBILITY LLC
Michael P Goggin
1120 20th Street, NW - Suite 1000
Washington, DC 20036
ATTN Michael P. Goggin

P:(202)457-2055
F:(202)457-3073
E:michael.p.goggin@att.com

Ownership and Qualifications

Radio Service Type	Mobile		
Regulatory Status	Common Carrier	Interconnected	Yes

Alien Ownership
The Applicant answered "No" to each of the Alien Ownership questions.

Basic Qualifications
The Applicant answered "No" to each of the Basic Qualification questions.

Tribal Land Bidding Credits
This license did not have tribal land bidding credits.

Demographics

Race

Ethnicity

Gender

ULS License

700 MHz Lower Band (Blocks C, D) License - WPZA235 - New Cingular Wireless PCS, LLC

PA **This license has pending applications:** 0009241753

Call Sign	WPZA235	Radio Service	WZ - 700 MHz Lower Band (Blocks C, D)
Status	Active	Auth Type	Regular

Rural Service Provider Bidding Credit

Is the Applicant seeking a Rural Service Provider (RSP) bidding credit?

Reserved Spectrum

Reserved Spectrum

Market

Market	EAG701 - Northeast	Channel Block	D
Submarket	0	Associated Frequencies (MHz)	000716.00000000-000722.00000000
3.7 GHz License Type		3.7 GHz Linked License	

Dates

Grant	11/05/2019	Expiration	06/13/2029
Effective	11/05/2019	Cancellation	

Buildout Deadlines

1st	06/13/2019	2nd	

Discontinuance Dates

1st		2nd	

Notification Dates

1st	06/10/2019	2nd	06/10/2019

Licensee

FRN	0003291192	Type	Limited Liability Company

Licensee

New Cingular Wireless PCS, LLC
208 S Akard St
Dallas, TX 75202
ATTN Cecil J Mathew

P:(855)699-7073
F:(214)746-6410
E:FCCMW@att.com

Contact

AT&T Mobility LLC
Cecil J Mathew
208 S Akard St

P:(855)699-7073
F:(214)746-6410

Dallas, TX 75202
ATTN FCC GROUP

E:FCCMW@att.com

Ownership and Qualifications

Radio Service Type	Fixed, Mobile		
Regulatory Status	Common Carrier, Non-Common Carrier	Interconnected	No

Alien Ownership
The Applicant answered "No" to each of the Alien Ownership questions.

Basic Qualifications
The Applicant answered "No" to each of the Basic Qualification questions.

Tribal Land Bidding Credits
This license did not have tribal land bidding credits.

Demographics

Race

Ethnicity

Gender

ULS License

700 MHz Lower Band (Blocks C, D) License - WPWU948 - New Cingular Wireless PCS, LLC

Call Sign	WPWU948	Radio Service	WZ - 700 MHz Lower Band (Blocks C, D)
Status	Active	Auth Type	Regular

Rural Service Provider Bidding Credit

Is the Applicant seeking a Rural Service Provider (RSP) bidding credit?

Reserved Spectrum

Reserved Spectrum

Market

Market	CMA001 - New York, NY-NJ/Nassau-Suffolk	Channel Block	C
Submarket	0	Associated Frequencies (MHz)	000710.00000000-000716.00000000 000740.00000000-000746.00000000
3.7 GHz License Type		3.7 GHz Linked License	

Dates

Grant	08/01/2019	Expiration	06/13/2029
Effective	08/01/2019	Cancellation	

Buildout Deadlines

1st	06/13/2019	2nd	

Discontinuance Dates

1st		2nd	

Notification Dates

1st	09/27/2018	2nd	09/27/2018

Licensee

FRN	0003291192	Type	Limited Liability Company

Licensee

New Cingular Wireless PCS, LLC
208 S Akard St
Dallas, TX 75202
ATTN Cecil J Mathew

P:(855)699-7073
F:(214)746-6410
E:FCCMW@att.com

Contact

AT&T Mobility LLC
Cecil J Mathew
208 S Akard St
Dallas, TX 75202
ATTN FCC GROUP

P:(855)699-7073
F:(214)746-6410
E:FCCMW@att.com

ULS License

700 MHz Lower Band (Blocks A, B & E) License - WQJU424 - New Cingular Wireless PCS, LLC

Call Sign	WQJU424	Radio Service	WY - 700 MHz Lower Band (Blocks A, B & E)
Status	Active	Auth Type	Regular

Rural Service Provider Bidding Credit

Is the Applicant seeking a Rural Service Provider (RSP) bidding credit?

Reserved Spectrum

Reserved Spectrum

Market

Market	CMA001 - New York, NY-NJ/Nassau-Suffolk	Channel Block	B
Submarket	0	Associated Frequencies (MHz)	000704.00000000-000710.00000000 000734.00000000-000740.00000000
3.7 GHz License Type		3.7 GHz Linked License	

Dates

Grant	08/01/2019	Expiration	06/13/2029
Effective	08/01/2019	Cancellation	

Buildout Deadlines

1st	12/13/2016	2nd	06/13/2019

Discontinuance Dates

1st		2nd	

Notification Dates

1st	11/27/2012	2nd	11/30/2018

Licensee

FRN	0003291192	Type	Limited Liability Company

Licensee

New Cingular Wireless PCS, LLC
208 S Akard St
Dallas, TX 75202
ATTN Cecil J Mathew

P:(855)699-7073
F:(214)746-6410
E:FCCMW@att.com

Contact

AT&T Mobility LLC
Cecil J Mathew
208 S Akard St
Dallas, TX 75202
ATTN FCC GROUP

P:(855)699-7073
F:(214)746-6410
E:FCCMW@att.com

Ownership and Qualifications

Radio Service Type: Mobile

Regulatory Status: Common Carrier Interconnected: Yes

Alien Ownership
The Applicant answered "No" to each of the Alien Ownership questions.

Basic Qualifications
The Applicant answered "No" to each of the Basic Qualification questions.

Tribal Land Bidding Credits
This license did not have tribal land bidding credits.

Demographics

Race

Ethnicity Gender

ULS License

700 MHz Lower Band (Blocks A, B & E) License - WQIZ617 - New Cingular Wireless PCS, LLC

This license has pending applications: 0009332142, 0009241753

Call Sign	WQIZ617	Radio Service	WY - 700 MHz Lower Band (Blocks A, B & E)
Status	Active	Auth Type	Regular

Rural Service Provider Bidding Credit

Is the Applicant seeking a Rural Service Provider (RSP) bidding credit?

Reserved Spectrum

Reserved Spectrum

Market

Market	BEA010 - New York-North New Jersey-Long Island, NY-NJ-CT-PA-MA-VT	Channel Block	E
Submarket	0	Associated Frequencies (MHz)	000722.00000000-000728.00000000
3.7 GHz License Type		3.7 GHz Linked License	

Dates

Grant	06/26/2008	Expiration	03/07/2021
Effective	08/31/2018	Cancellation	

Buildout Deadlines

1st	03/07/2017	2nd	03/07/2021

Discontinuance Dates

1st		2nd	

Notification Dates

1st	03/15/2017	2nd	06/16/2020

Licensee

FRN	0003291192	Type	Limited Liability Company

Licensee

New Cingular Wireless PCS, LLC
208 S Akard St., RM 1015
Dallas, TX 75202
ATTN Cecil J Mathew

P:(855)699-7073
F:(214)746-6410
E:FCCMW@att.com

Contact

AT&T Mobility LLC
Cecil J Mathew
208 S Akard St., RM 1015
Dallas, TX 75202
ATTN Michael P. Goggin

P:(855)699-7073
F:(214)746-6410
E:FCCMW@att.com

Ownership and Qualifications

Radio Service Type	Fixed, Mobile		
Regulatory Status	Common Carrier, Non-Common Carrier	Interconnected	No

Alien Ownership
The Applicant answered "No" to each of the Alien Ownership questions.

Basic Qualifications
The Applicant answered "No" to each of the Basic Qualification questions.

Tribal Land Bidding Credits
This license did not have tribal land bidding credits.

Demographics

Race

Ethnicity

Gender

ULS License

Wireless Communications Service License - KNLB312 - New Cingular Wireless PCS, LLC

Call Sign	KNLB312	Radio Service	WS - Wireless Communications Service
Status	Active	Auth Type	Regular

Rural Service Provider Bidding Credit

Is the Applicant seeking a Rural Service Provider (RSP) bidding credit?

Reserved Spectrum

Reserved Spectrum

Market

Market	MEA002 - New York City	Channel Block	A
Submarket	0	Associated Frequencies (MHz)	002305.00000000-002310.00000000 002350.00000000-002355.00000000
3.7 GHz License Type		3.7 GHz Linked License	

Dates

Grant	02/27/2020	Expiration	07/21/2027
Effective	02/27/2020	Cancellation	

Buildout Deadlines

1st	03/13/2017	2nd	09/13/2019

Discontinuance Dates

1st		2nd	

Notification Dates

1st	03/17/2017	2nd	08/14/2019

Licensee

FRN	0003291192	Type	Limited Liability Company

Licensee

New Cingular Wireless PCS, LLC
208 S. Akard St., RM 1016
Dallas, TX 75202
ATTN Leslie A. Wilson

P:(855)699-7073
F:(214)746-6410
E:FCCMW@att.com

Contact

AT&T Mobility LLC

P:(202)457-2055
F:(202)457-3073

1120 20th Street, NW, Suite 1000
Washington, DC 20036
ATTN Michael P. Goggin

E:michael.p.goggin@att.com

Ownership and Qualifications

Radio Service
Type

Regulatory Status Interconnected

Alien Ownership
The Applicant answered "No" to each of the Alien Ownership questions.

Basic Qualifications
The Applicant answered "No" to each of the Basic Qualification questions.

Tribal Land Bidding Credits
This license did not have tribal land bidding credits.

Demographics

Race

Ethnicity Gender

ULS License

Wireless Communications Service License - KNLB204 - New Cingular Wireless PCS, LLC

Call Sign	KNLB204	Radio Service	WS - Wireless Communications Service
Status	Active	Auth Type	Regular

Rural Service Provider Bidding Credit

Is the Applicant seeking a Rural Service Provider (RSP) bidding credit?

Reserved Spectrum

Reserved Spectrum

Market

Market	MEA002 - New York City	Channel Block	B
Submarket	0	Associated Frequencies (MHz)	002310.00000000-002315.00000000 002355.00000000-002360.00000000
3.7 GHz License Type		3.7 GHz Linked License	

Dates

Grant	02/04/2020	Expiration	07/21/2027
Effective	02/04/2020	Cancellation	

Buildout Deadlines

1st	03/13/2017	2nd	09/13/2019

Discontinuance Dates

1st		2nd	

Notification Dates

1st	03/17/2017	2nd	08/14/2019

Licensee

FRN	0003291192	Type	Limited Liability Company

Licensee

New Cingular Wireless PCS, LLC
208 S. Akard St., RM 1016
Dallas, TX 75202
ATTN Leslie A. Wilson

P:(855)699-7073
F:(214)746-6410
E:FCCMW@att.com

Contact

AT&T Mobility LLC

P:(202)457-2055
F:(202)457-3073

1120 20th Street, NW, Suite 1000
Washington, DC 20036
ATTN Michael P. Goggin

E:michael.p.goggin@att.com

Ownership and Qualifications

Radio Service
Type

Regulatory Status Interconnected

Alien Ownership
The Applicant answered "No" to each of the Alien Ownership questions.

Basic Qualifications
The Applicant answered "No" to each of the Basic Qualification questions.

Tribal Land Bidding Credits
This license did not have tribal land bidding credits.

Demographics

Race

Ethnicity Gender

ULS License

Wireless Communications Service License - WPQL636 - New Cingular Wireless PCS, LLC

This license has pending applications: 0007780336

Call Sign	WPQL636	Radio Service	WS - Wireless Communications Service
Status	Active	Auth Type	Regular

Rural Service Provider Bidding Credit

Is the Applicant seeking a Rural Service Provider (RSP) bidding credit?

Reserved Spectrum

Reserved Spectrum

Market

Market	REA001 - Northeast	Channel Block	C
Submarket	6	Associated Frequencies (MHz)	002315.00000000-002320.00000000

Dates

Grant	09/27/2010	Expiration	07/21/2017
Effective	07/21/2017	Cancellation	

Buildout Deadlines

1st		2nd	09/13/2021

Notification Dates

1st		2nd	

Licensee

FRN	0003291192	Type	Limited Liability Company

Licensee

New Cingular Wireless PCS, LLC
208 S. Akard St., RM 1016
Dallas, TX 75202
ATTN Leslie A. Wilson

P:(855)699-7073
F:(214)746-6410
E:FCCMW@att.com

Contact

AT&T Mobility LLC

1120 20th Street, NW, Suite 1000
Washington, DC 20036
ATTN Michael P. Goggin

P:(202)457-2055
F:(202)457-3073
E:michael.p.goggin@att.com

Ownership and Qualifications

Radio Service Type

Regulatory Status Interconnected

Alien Ownership
The Applicant answered "No" to each of the Alien Ownership questions.

Basic Qualifications
The Applicant answered "No" to each of the Basic Qualification questions.

Tribal Land Bidding Credits
This license did not have tribal land bidding credits.

Demographics

Race

Ethnicity Gender

ULS License

AWS-3 (1695-1710 MHz, 1755-1780 MHz, and 2155-2180 MHz) License - WQVN685 - AT&T Wireless Services 3 LLC

Call Sign	WQVN685	Radio Service	AT - AWS-3 (1695-1710 MHz, 1755-1780 MHz, and 2155-2180 MHz)
Status	Active	Auth Type	Regular

Rural Service Provider Bidding Credit

Is the Applicant seeking a Rural Service Provider (RSP) bidding credit?

Reserved Spectrum

Reserved Spectrum

Market

Market	BEA010 - New York-North New Jersey-Long Island, NY-NJ-CT-PA-MA-VT	Channel Block	J
Submarket	0	Associated Frequencies (MHz)	001770.00000000-001780.00000000 002170.00000000-002180.00000000

Dates

Grant	04/08/2015	Expiration	04/08/2027
Effective	08/29/2018	Cancellation	

Buildout Deadlines

1st	04/08/2021	2nd	04/08/2027

Notification Dates

1st		2nd	

Licensee

FRN	0023910920	Type	Limited Liability Company

Licensee

AT&T Wireless Services 3 LLC
208 S. Akard St., RM 1015
Dallas, TX 75202
ATTN Cecil J Mathew

P:(855)699-7073
F:(214)746-6410
E:FCCMW@att.com

Contact

AT&T MOBILITY LLC
Cecil J Mathew
208 S Akard St., RM 1015
Dallas, TX 75202
ATTN Michael P. Goggin

P:(855)699-7073
F:(214)746-6410
E:FCCMW@att.com

Ownership and Qualifications

Radio Service Type	Mobile		
Regulatory Status	Common Carrier, Non-Common Carrier	Interconnected	Yes

Alien Ownership
The Applicant answered "No" to each of the Alien Ownership questions.

Basic Qualifications
The Applicant answered "No" to each of the Basic Qualification questions.

Tribal Land Bidding Credits
This license did not have tribal land bidding credits.

Demographics

Race	
Ethnicity	Gender

ULS License

Wireless Communications Service License - KNLB297 - New Cingular Wireless PCS, LLC

This license has pending applications: 0007806664

Call Sign	KNLB297	Radio Service	WS - Wireless Communications Service
Status	Active	Auth Type	Regular

Rural Service Provider Bidding Credit

Is the Applicant seeking a Rural Service Provider (RSP) bidding credit?

Reserved Spectrum

Reserved Spectrum

Market

Market	REA001 - Northeast	Channel Block	D
Submarket	0	Associated Frequencies (MHz)	002345.00000000-002350.00000000

Dates

Grant	09/27/2010	Expiration	07/21/2017
Effective	07/21/2017	Cancellation	

Buildout Deadlines

1st		2nd	09/13/2021

Notification Dates

1st		2nd	

Licensee

FRN	0003291192	Type	Limited Liability Company

Licensee

New Cingular Wireless PCS, LLC
208 S. Akard St., RM 1016
Dallas, TX 75202
ATTN Leslie A. Wilson

P:(855)699-7073
F:(214)746-6410
E:FCCMW@att.com

Contact

AT&T Mobility LLC

1120 20th Street, NW - Suite 1000
Washington, DC 20036
ATTN Michael P. Goggin

P:(202)457-2055
F:(202)457-3073
E:michael.p.goggin@att.com

Ownership and Qualifications

Radio Service Type	Fixed, Mobile		
Regulatory Status	Common Carrier, Non-Common Carrier	Interconnected	Yes

Alien Ownership
The Applicant answered "No" to each of the Alien Ownership questions.

Basic Qualifications
The Applicant answered "No" to each of the Basic Qualification questions.

Tribal Land Bidding Credits
This license did not have tribal land bidding credits.

Demographics

Race

Ethnicity

Gender

ULS License

700 MHz Public Safety Broadband Nationwide License License - WQQE234 - First Responder Network Authority

Call Sign	WQQE234	Radio Service	SP - 700 MHz Public Safety Broadband Nationwide License
Status	Active	Auth Type	Regular

Dates

Grant	11/15/2012	Expiration	11/15/2022
Effective	12/29/2017	Cancellation	

Area of Operation: N

Nationwide

Frequency Bands

000758.00000000-000769.00000000
000788.00000000-000799.00000000

Licensee

FRN	0025487950	Type	Other - Independent Authority

Licensee

First Responder Network Authority
12201 Sunrise Valley Drive
Reston, VA 20192
ATTN Uzoma Onyeije

P:(571)665-6142
E:Uzoma.Onyeije@firstnet.gov

Contact

Ownership and Qualifications

Radio Service Type Mobile

Regulatory Status Interconnected

Alien Ownership

Is the applicant a foreign government or the representative of any foreign government?

Is the applicant an alien or the representative of an alien?

Is the applicant a corporation organized under the laws of any foreign government?

Is the applicant a corporation of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?

Is the applicant directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by

a foreign government or representative thereof, or by any corporation organized under the laws of a foreign country?

The Alien Ruling question is not answered.

Basic Qualifications

Has the applicant or any party to this application had any FCC station authorization, license or construction permit revoked or had any application for an initial, modification or renewal of FCC station authorization, license or construction permit denied by the Commission?

Has the applicant or any party to this application, or any party directly or indirectly controlling the applicant, ever been convicted of a felony by any state or federal court?

Has any court finally adjudged the applicant or any party directly or indirectly controlling the applicant guilty of unlawfully monopolizing or attempting unlawfully to monopolize radio communication, directly or indirectly, through control of manufacture or sale of radio apparatus, exclusive traffic arrangement, or any other means or unfair methods of competition?

Demographics

Race

Ethnicity

Gender

CUDDY +FEDER LLP

445 Hamilton Avenue, 14th Floor
White Plains, New York 10601
T 914 761 1300
F 914 761 5372
cuddyfeder.com

Daniel Patrick
dpatrick@cuddyfeder.com

2/26/2021

BY EMAIL AND OVERNIGHT FEDEX
Chairman Gary Reetz
and Members of the Planning Board
Village of Bronxville
200 Pondfield Rd
Bronxville, NY 10708

Re: New Cingular Wireless PCS, LLC (AT&T)
Special Permit Re-Certifications
Concordia College – 171 White Plains Rd, Bronxville, NY (SBL: 6.-1-1)

Dear Chairman Reetz and Members of the Planning Board:

On behalf of New Cingular Wireless PCS, LLC (AT&T) ("AT&T" or "Applicant"), we respectfully submit this letter and enclosures in furtherance of the above-referenced application dated January 12, 2021 and in response to comments issued by the Village Building Department by email dated January 22, 2021.

Accordingly, enclosed please find the following materials:

1. Planning Board application forms revised to include the total number of AT&T antennas (7) and updated contact information.
2. Completed Escrow Agreement for Professional Consultation Fees.
3. Radio Frequency Safety Survey Report Prediction for East Concordia College, 171 White Plains Road, prepared by Centerline Communications, LLC dated November 4, 2020 confirming that the facility complies with the FCC Radio Frequency (RF) emissions standards.[1]
4. Insurance Certificates in accordance with Village Code Section 310-42.A(5)(r).

The Applicant looks forward to appearing before the Planning Board at its next available meeting for the review of this request. Should the Planning Board or Village staff have any questions in the interim, please feel free to contact the undersigned.

[1] Please note that the modifications referenced within the enclosed report have been completed in conjunction with AT&T's recent modifications pursuant to Building Permit ALT 113-20.

Thank you in advance for your consideration.

Very truly yours,

Daniel Patrick
Enclosures

cc: AT&T
Paul Taft, Bronxville Building Inspector
Lucia Chiocchio, Esq. & Jeanene Chambliss, Cuddy & Feder LLP

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Village of Bronxville

200 Pondfield Road, Bronxville, NY 10708
Telephone: (914) 337-7338 Fax: (914) 337-0158

Application for Wireless Communication Facility Renewal

FILING FEE: $250 plus $5,000 Consultant Escrow Deposit (Separate Check Required)

Wireless Facility Location:

Facility: Concordia College

Building Name: Feth Hall

Street Address 171 White Plains Rd, Bronxville, NY

Section: 6. Block: 1 Lot: 1

Property Owner Information:

Company Name: Concordia College

Contact: First Name Paul Last Name Schulz Middle Initial

Mailing Address 171 White Plains Rd

City Bronxville State NY Zip 10708 -

Telephone: Office (914) 337-9300 Fax ( )

Email paul.shulz@concordia-ny.edu

Facility Operator Information:

Company Name: New Cingular Wireless PCS, LLC ("AT&T")

Contact: First Name Mark Last Name Nidle Middle Initial

Mailing Address 1 AT&T Way

City Bedminster State NJ Zip 07921 -

Telephone: Office (914) 768-2922 Fax ( )

Email mn136n@att.com

Village of Bronxville

200 Pondfield Road, Bronxville, NY 10708
Telephone: (914) 337-7338 Fax: (914) 337-0158

Application for Wireless Communication Facility Renewal

Antenna Information: (Submit current photograph all existing antenna arrays 8-1/2" X 11" sheet.)

Manufacturer: Andrew Panel Model Number: SBNHH-1D65A

Antenna Size: Width 11.9 in. Height: 55 in. Depth: 7.1 in.

Total number of antenna(s): 7

Locations of antenna (If antennas are mounted on multiple locations list all locations, number and identify, submit site location sketch showing location of all antenna 8-1/2" X 11" sheet):

Location #1 Behind Screen Wall

Location #2 Behind Screen Wall

Location #3 Behind Screen Wall

Location #4

Additional

By signing this application the applicant hereby certifies that the existing wireless telecommunications facility shall be maintained in a safe manner and in compliance with all conditions of the special permit, without exception, unless specifically granted relief by the Village in writing, as well as all applicable and permissible local codes, laws and regulations, including any and all applicable Village, state and federal laws, rules and regulations; and the operation of the wireless telecommunications facility is legally permissible, including but not limited to the fact that the applicant is authorized to do business in the state.

Applicants Signature: Mark Nidle Date 1/11/2021

Applicant Information:

Company Name: New Cingular Wireless PCS, LLC (AT&T)

Contact: First Name Mark Last Name Nidle Middle Initial

Mailing Address 1 AT&T Way

City Bedminster State NJ Zip 07921 -

Telephone: Office (908) 768-2922 Fax ( )

Email mn136n@att.com

Village of Bronxville
200 Pondfield Road, Bronxville, NY 10708
Telephone: (914) 337-7338 Fax: (914) 337-0158

Application for Wireless Communication Facility Renewal

Office Use Only							
Date Received	Spec Permit No.	# Antenna	Total Fee				Permit Exp Date

SPECIAL PERMIT CONDITIONS AND INSURANCE REQUIREMENTS

§ 310-42.A(5)(j) Annual NIER Certification.

The holder of the special permit shall, annually, certify to the Village that NIER levels at the site are within the threshold levels adopted by the FCC.

§ 310-42.A(5)(k) Recertification.

[1] During the 12 months prior to each five-year anniversary of the effective date of the special permit, the holder of the special permit shall submit a written application for recertification of the special permit.

[2] Subject to the provisions of [4] below, the Planning Board shall issue a recertification of the special permit if it finds that the holder of the special permit is in compliance with the terms of the special permit, the requirements of this subsection and the requirements of applicable state and federal law. If the recertification process is not complete by such anniversary date, the special permit may be extended for no more than six months. In the event of disapproval of the recertification application, the wireless telecommunications facility shall not be used after the date that the applicant receives written notice of disapproval.

[3] Unless recertified, each special permit and any authorizations granted there under shall terminate as of the last day of the then current term.

[4] Notwithstanding the foregoing, in connection with each recertification, the Planning Board shall consider changes to wireless technology since the date of issuance or last recertification, as applicable, of the special permit and determine whether the special permit should be modified or terminated as a result of such change.

§ 310-42.A(5)(l) Default and/or revocation.

If a wireless telecommunications facility is not in compliance with this chapter or with its special permit, the Planning Board may revoke the special permit in accordance with § 310-40B of this chapter.

§ 310-42.A(5)(m) Removal.

If a special permit for a wireless telecommunications facility shall expire, terminate or be revoked, or if a wireless telecommunications facility is not operated for the provision of wireless telecommunications services for a continuous period of 12 months or more, the holder of the special permit and the owner of the property on which such facility is located shall jointly and severally be obligated to dismantle and remove such facility and all associated structures and facilities from the site and restore the site to as close to its original condition as is possible, within 90 days of receipt of written notice from the Planning Board, or within such shorter time as determined by the Planning Board if the violation causes, creates or presents an imminent danger or threat to the residents of the Village. If the facility is not removed within 90 days after the permit holder and the property owner

have received a removal notice (or such shorter time as the Planning Board may determine), then the Village may order officials or representatives of the Village to remove and dispose of the facility at the sole expense of the special permit holder and such property owner.

§ 310-42.A(5)(n) Compliance.

The special permit holder shall obtain and maintain at all times all required federal and state permits and licenses regarding the wireless telecommunications facility and shall comply with all other relevant state and federal requirements regarding such facility.

§ 310-42.A(5)(m) Application Fee.

A nonrefundable fee shall be payable with each application for a new wireless telecommunications facility and with each application for a modification or renewal in such amount as shall be set by the Board of Trustees.

§ 310-42.A(5)(p) Retention of Experts.

[1] Pursuant to the Professional Consultation Fees Law, Chapter 310, Article X of the Village Code, the Planning Board may hire any consultant and/or expert necessary to assist the Planning Board in reviewing and evaluation any application for the construction of a new or modification of an existing wireless telecommunications facility or the recertification of the special permit for any such facility. The applicant and Board shall comply with all provisions and procedures established under the Professional Consultation Fees Law. [Amended 5-14-2007 by L.L. No. 3-2007]

[2] Each applicant shall deposit with the Village funds sufficient to reimburse the Village for all reasonable costs of consultants and/or experts retained by the Planning Board in connection with the review of any application for the construction of a new or modification of an existing wireless telecommunications facility or the recertification of the special permit for any such facility. The initial deposit shall be $5,000. Any such consultants/experts shall invoice the Village for services in reviewing the application, including the construction and modification of the site, once permitted. If at any time during the process the remaining balance of the deposit shall be less than $1,500, the applicant shall immediately, upon notification by the Planning Board, replenish said deposit so that it has a balance of at least $2,500. Such additional funds shall be deposited with the Village before any further action or consideration is taken on the application. In the event that the deposit amount held by the Village is more than the amount of the actual invoicing at the conclusion of the project, the remaining balance shall be promptly refunded to the applicant.

[3] The total amount of the funds needed as set forth in Subsection A(5)(p)[2] of this section may vary with the scope and complexity of the project, the completeness of the application and the completeness of such submissions of other information as may be required by the Planning Board.

§ 310-42.A(5)(q) Equipment Removal Bond.

Operator to submit a bond acceptable in form to the Village Attorney and in an amount determined by the Planning Board to be sufficient to ensure the safe and timely removal of the wireless telecommunications facility in accordance with the provisions of this subsection, which such bond shall be renewed by the applicant annually thereafter.

Village of Bronxville
200 Pondfield Road, Bronxville, NY 10708
Telephone: (914) 337-7338 Fax: (914) 337-0158

Application for Wireless Communication Facility Renewal

§ 310-42.A(5)(r) Insurance.

A holder of a special permit for a wireless telecommunication facility shall secure and at all times maintain public liability insurance for personal injuries, death and property damage, and umbrella insurance coverage, for the duration of the special permit in amounts as set forth below:

[a] Commercial general liability covering personal injuries, death and property damage: $1,000,000 per occurrence/$2,000,000 aggregate;

[b] Automobile coverage: $1,000,000 per occurrence/$2,000,000 aggregate; and

[c] Workers compensation and disability, statutory amounts.

[2] The commercial general liability insurance policy shall specifically include the Village and its officers, boards, employees, committee members, attorneys, agents and consultants as additional named insureds.

[3] The insurance policies shall be issued by an insurance company licensed to do business in the State of New York and with a Best's rating of at least A.

[4] The insurance policies shall contain an endorsement obligating the insurance company to furnish the Village with at least 30 days' prior written notice in advance of the cancellation of the insurance.

[5] Renewal or replacement policies or certificates shall be delivered to the Village at least 15 days before the expiration of the insurance that such policies are to renew or replace.

[6] Before construction of a permitted wireless telecommunications facility is initiated, but in no case later than 15 days after the grant of the special permit, the holder of the special permit shall deliver to the Village a copy of each of the policies or certificates representing the insurance in the required amounts.

§ 310-42.A(5)(s) Indemnification.

As a condition of approval of any wireless telecommunication facility special permit, the applicant shall file a written statement (Form Blank Attached) with the Village Engineer, by which the wireless telecommunications facility owner agrees to indemnify, hold harmless and defend the Village, its officers and employees against any loss, liability or damage, including expenses and costs, for bodily or personal injury and for property damage sustained by any person as a result of the installation, use and/or maintenance of a wireless telecommunication facility within the Village

Village of Bronxville
200 Pondfield Road, Bronxville, NY 10708
Telephone: (914) 337-7338 Fax: (914) 337-0158

Application for Wireless Communication Facility Renewal

SUBMISSION CHECK LIST

- ✓ Completed signed application form
- ✓ Site plan sketch showing all antenna and equipment locations. 8-1/2" X 11"
- ✓ Signed indemnification agreement. (Form Attached)
- ✓ Current equipment removal bond, amount suitable to cover cost of complete facility removal.
- ✓ Insurance certificate with Village of Bronxville listed as certificate holder and additional insured.
- ✓ Filing fee of $250.00 (non refundable).
- ✓ Escrow deposit of $5,000 for expert fees, unused balance to be refunded upon final action by the Planning Board. (see § 310-42.A(5)(p) Retention of Experts).
- ✓ Copy of signed lease agreement. (Note: If the applicant is not the owner of the property on which the wireless telecommunications facility is proposed to be located, a copy of the signed lease or other agreement pursuant to which the applicant is entitled to utilize such property for such facility, which may have proprietary business terms redacted.)
- ✓ Antenna information including the number, location, size and height of all existing antenna(s) and all appurtenant structures, indicate make, model and manufacturer of the antenna(s). Submit current photograph all existing antenna arrays.
- ✓ Certification bearing the original signature and seal of a professional engineer licensed in the State of New York that the NIER levels at the proposed site are within the threshold levels adopted by the FCC;
- ✓ Certification bearing the original signature and seal of a professional engineer licensed in the State of New York that the proposed antenna(s) will not cause interference with existing communication devices.
- ✓ Certification bearing the original signature and seal of a professional engineer licensed in the State of New York that the wireless telecommunications facility, foundation and attachments are in accordance with original design and have been installed and maintained as required to sustain all anticipated design loads and meet all local, Village, state, and federal structural requirements for loads, including wind and ice loads.
- ✓ Certification bearing the original signature and seal of a professional engineer licensed in the State of New York that the wireless telecommunications facility is effectively grounded and bonded so as to protect persons and property and installed with appropriate surge protectors.
- ✓ Copy of the FCC license applicable for the intended use of the wireless telecommunications facility.

Village of Bronxville
200 Pondfield Road, Bronxville, NY 10708
Telephone: (914) 337-7338 Fax: (914) 337-0158

Application for Wireless Communication Facility Renewal

Indemnification Agreement.

The wireless telecommunications facility owner, by signing this form does to the extent permitted by applicable law, to at all times defend, indemnify, protect, save, hold harmless, and exempt the Village, its officers, boards, employees, committee members, attorneys, agents and consultants from any and all penalties, damages, costs, or charges arising out of any and all claims, suits, demands, causes of action, or award of damages, whether compensatory or punitive, or expenses arising there from, either at law or in equity, which might arise out of, or are caused by, the placement, construction, erection, modification, location, products performance, use, operation, maintenance, repair, installation, replacement, removal, or restoration of said facility; excepting, however, any portion of such claims, suits, demands, causes of action or award of damages as may be attributable to the grossly negligent or intentional acts or omissions of the Village or its servants or agents. With respect to the penalties, damages or charges referenced herein, reasonable attorneys' fee, consultants' fees, and expert witness fees are included in those costs that are recoverable by the Village.

Wireless Telecommunications Facility Owner:

_____

Signature of Applicant: _____ **Date:** 1/11/2021

Company Name: New Cingular Wireless PCS, LLC (AT&T)

Print: First Name Mark Last Name Nidle Middle Initial _____

Facility Location: 171 White Plains Rd (Concordia College - Feth Hall)

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ESCROW AGREEMENT FOR PROFESSIONAL CONSULTATION FEES

The undersigned does hereby agree to the following:

1. I (we) am (are) the owner(s) of premises located at the street address and identified on the tax maps as noted below, for which an application is being submitted to the Village of Bronxville:

    * Street Address 171 White Plains Road

    * Section: 6 ,Block: 1 , Lot: 1

2. I understand and agree that there are certain fees for which I am responsible in conjunction with said application.

3. I understand that the Village Board, Planning Board, Zoning Board of Appeals and/or Design Review Board may seek the services of planning, engineering, environmental, legal, or other technical consultants or professionals as deemed necessary by the Board(s) to review my application. I will be responsible for any and all costs incurred by the Village for such consultations and professional opinions at the prevailing hourly rate agreed upon by the Village. Charges made by such consultants shall be in accord with charges usually made for such services in Westchester County. I understand that no employee of the Village or any member of the Village Board, Planning Board, Zoning Board of Appeals or Design Review Board can advise me, in advance, of what the total consulting fees might be.

4. Upon submission of my application, I shall provide a minimum retainer of $5,000.00 up to a maximum initial amount as required by the Planning Board depending on the scope of proposed work, payable to the Village of Bronxville, to be held in escrow and applied toward the payment of consulting and professional fees incurred by the Village with regard to my application. When the balance of the escrow account is $2,500.00 or less, I shall deposit additional retainer funds into the escrow account so that the minimum balance in said account is never less than $5,000.00. Upon request, the Village shall provide me with a statement indicating expenses incurred and the amount of monies withdrawn from said account.

5. I understand that if I withdraw my application prior to any action being taken by the Village Board, Planning Board, Zoning Board of Appeals or Design Review Committee, I am still responsible for any expenses incurred by the Village with regard to my application prior to such withdrawal.

6. I understand that if at any time the minimum balance in said escrow account falls below $1,000.00 and is not replenished prior to the next scheduled meeting on the application, the Village Board, Planning Board, Zoning Board of Appeals and/or Design Review Committee may suspend the review of my application and/or the Village Engineer may refuse to issue permits and/or certificates with regard to the premises, unless the Village has been advised by the consultant that no additional charges will accrue.

7. I understand that when it has been determined by the Village that all final charges against the escrow account established for my application have been paid, the remaining balance in the account, if any, shall be returned to the owner.

8. I understand that if there are still outstanding consulting fees relative to my application at the termination of the review process, the Village will pursue all legal options to retrieve such fees.

9. I understand that the imposition of escrow account fees are in addition to, and not in place of, other fee schedules currently in force.

10. All correspondence from the Village regarding the escrow account established for my application shall be addressed to:

Name: Daniel Patrick, Esq.

Address: Cuddy & Feder, LLP, 445 Hamilton Ave., 14th Floor

City: White Plains

State: New York Zip: 10601

Phone: 914-761-1300

Fax: 914-761-5372

Email: dpatrick@cuddyfeder.com

OWNER (signature) ~~OWNER (signature)~~

Mark Nidle, Authorized Representative for New Cingular Wireless, PCS, LLC (AT&T)

OWNER (print name) ~~OWNER (print name)~~

Dated: January 25, 2021 Dated: _____

Escrow Deposit Schedule

Minimum Escrow Deposit Requirements
Schedule of initial deposits required under Article X of the Zoning Code:

A. For subdivisions and residential site plan applications:

Number of Dwelling Units or Lots	**Initial Deposit Amount**
1 to 4	$5,000
5 to 25	$25,000
25 or more	$25,000 + $1,000 per unit

B. For nonresidential site plan applications:

(1) Up to and including 2,500 square feet: $5,000.

(2) More than 2,500 square feet: $5,000 plus $2 per square foot.

C. For wireless communication facilities: $5,000.

D. Other applications to the Village Board, Planning Board, Design Review Committee and/or Zoning Board where the Superintendent of Buildings or Village Engineer determines that professional consultation services will be required: $2,500.

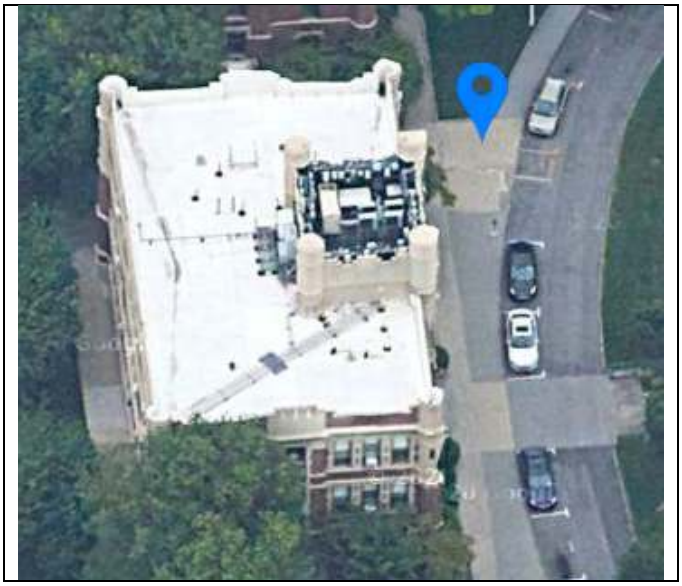
E. Provided, however, that the Village Administrator may reduce the required amount of the above deposits in his or her discretion depending on individual circumstances and only to an amount that will still cover Village anticipated costs and consultant expenses.

3

Radio Frequency Safety Survey Report Prediction (RFSSRP)

AT&T Wireless Rooftop Facility

Site ID: NYCNNY5617 **Site Name:** East Concordia College **Address:** 171 White Plains Road, Bronxville, NY 10708 **Latitude:** 40.943181 **Longitude:** -73.821231 **USID:** 103719 **FA**: 10107449	**Prepared for:** Black & Veatch **Centerline PN:** 950017-326 **Pace ID:** MRNYJ003279; MRNYJ003783; MRNYJ003723 Report Writer: Michelle Stone Date: November 4, 2020 Report Reviewer: Brandon Green



Statement of Compliance

AT&T will be compliant with FCC Regulations upon installation of recommended mitigation measures.

TABLE OF CONTENTS

1.0 GENERAL SUMMARY

Centerline Communications, LLC ("Centerline") has been contracted to provide a Radio Frequency (RF) Analysis for the following AT&T Mobility wireless rooftop facility to determine whether the facility is in compliance with federal standards and regulations regarding RF emissions. This analysis includes theoretical emissions calculations, for all equipment for AT&T Mobility and any other wireless carriers on site.

1.1 SITE SUMMARY

Analysis Site Data	
Site USID:	103719
Site FA#:	10107449
Site Name:	East Concordia College
Site Address:	171 White Plains Road, Bronxville NY 10708
Site Latitude:	40.943181
Site Longitude:	-73.821231
Facility Type:	Rooftop
Compliance Summary	
Compliance Status:	Compliant Upon Mitigation Installation
Maximum Modeled AT&T MPE% on Walking Surface (General Public Limit):	116.83%
Maximum Modeled AT&T MPE% at Ground Level (General Public Limit):	0.42%
Site Survey Data	
Is Access Locked or Controlled? :	Unknown
Lock or Control Measures if Present:	Unknown
Parapet Height:	36-48
Site Data Information	
CD:	NYCNNY5617.CD.RevA.031820.pdf
RFDS:	NYC-NNJ_NYC_NYCNNY5617_2020-LTE-Next-Carrier_LTE-5C_lc6592_2191A0TD69_10107449_103719_11-15-2019_As-Built-In-Progress_v1.00(1).pdf

*To be conservative, all rooftop sites are considered uncontrolled for modeling purposes.

Signage and barriers are the primary means of mitigating access to accessible areas of exposure. Below is a summary of existing and recommended signage at this AT&T facility.

Existing Signage and Barriers (AT&T Sectors)										
Location	Information	Notice	Notice 2	Caution	Caution 2	Caution 2B	Caution 2C	Warning	Warning 2	Barriers
Alpha	0	0	0	0	4	0	0	0	0	0
Beta	0	0	0	0	4	0	0	0	0	0
Gamma	0	0	0	0	4	0	0	0	0	0
Equipment	0	0	0	0	1	0	0	0	0	0

Recommended Signage and Barriers (AT&T Sectors)						
Location	Notice 2	Caution 2	Caution 2B	Caution 2C	Warning 2	Barriers
Alpha	0	2	0	0	0	X
Beta	0	4	0	0	0	X
Gamma	0	2	0	0	0	X

Alpha Sector: Install a 12’ barrier (see diagram) and install Caution 2 signage on the proposed barrier stanchions.

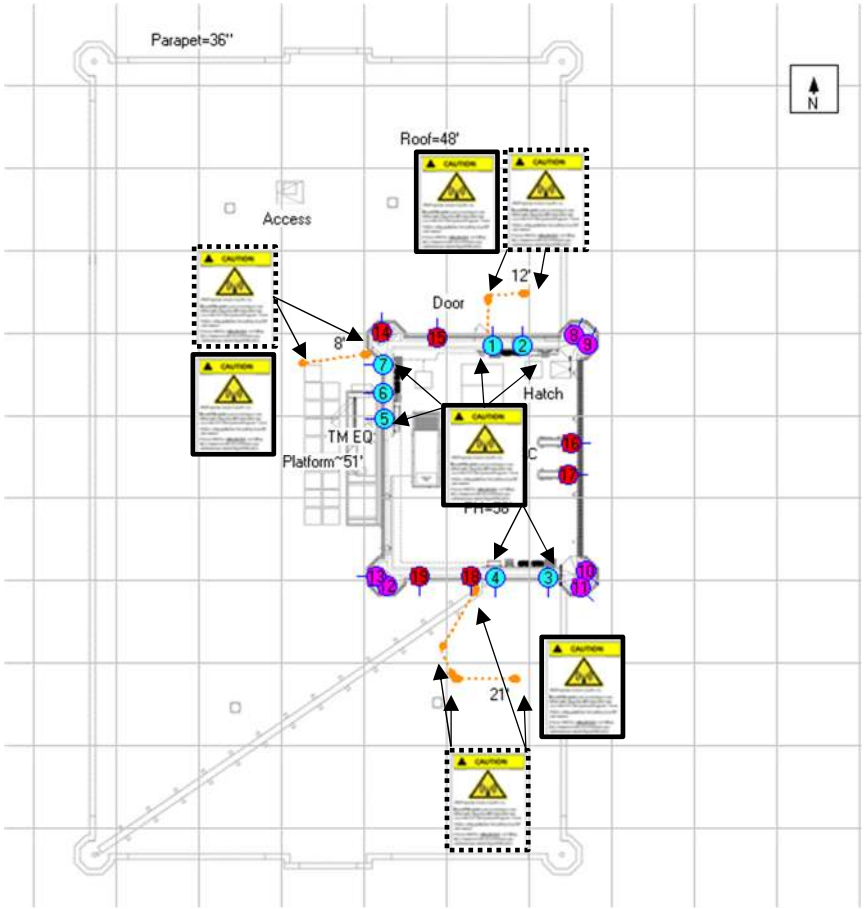
Beta Sector: Install a 21’ barrier (see diagram) and install Caution 2 signage on the proposed barrier stanchions.

Gamma Sector: Install a 8’ barrier (see diagram) and install Caution 2 signage on the proposed barrier stanchions.

Notes:

- Ensure proposed barriers are at least 6’ from parapets less than 39” in height.
- AT&T sector A & B is predicted to contribute at least 5% to an area where Verizon’s antennas are predicted to exceed the MPE limits and no signage or barriers are in place. AT&T is jointly liable for bringing the sector into compliance.

2.0 SITE SCALE MAP



Operator Antenna Identifiers

- AT&T Mobility
- Verizon
- Clearwire
- Cricket
- T-Mobile
- Sprint
- US Cellular
- Metro PCS
- Unknown


INFO 1 Sign

Caution 1 Sign

INFO 2 Sign


Tower Caution Sign

Notice 1 Sign


Caution 2 Sign


Notice 2 Sign

Warning 2 Sign

Items to be Removed

Existing Sign

Proposed Sign

Existing Barrier

Proposed Barrier

Signage/ Mitigation Plan

East Concordia College / 10107449

3.0 ANTENNA INVENTORY

ANT ID	Operator	Antenna Make	Antenna Model	Type	Freq (MHz)	TPO (Watts)	# of TX	Azimuth (°)	BW (°)	Gain (dBd)	Total ERP (Watts)	Length (ft.)	Antenna Z Value (ft.) NWS*	Antenna Z Value (ft.) AGL**
1	AT&T	COMMSCOPE	NNHH-65A-R4	Panel	850	40	1	0	66	11.55	533.41	4.6	7.7	55.7
1	AT&T	COMMSCOPE	NNHH-65A-R4	Panel	850	13	4	0	66	11.55	693.43	4.6	7.7	55.7
1	AT&T	COMMSCOPE	NNHH-65A-R4	Panel	2300	50	2	0	60	15.95	3672.82	4.6	7.7	55.7
2	AT&T	COMMSCOPE	NNHH-65A-R4	Panel	700	80	1	0	74	10.35	809.26	4.6	7.7	55.7
2	AT&T	COMMSCOPE	NNHH-65A-R4	Panel	700	80	1	0	74	10.35	809.26	4.6	7.7	55.7
2	AT&T	COMMSCOPE	NNHH-65A-R4	Panel	1900	60	2	0	58	15.35	3838.67	4.6	7.7	55.7
2	AT&T	COMMSCOPE	NNHH-65A-R4	Panel	2100	45	4	0	61	15.45	5892.13	4.6	7.7	55.7
3	AT&T	COMMSCOPE	NNHH-65A-R4	Panel	850	40	1	180	66	11.55	533.41	4.6	7.7	55.7
3	AT&T	COMMSCOPE	NNHH-65A-R4	Panel	850	13	4	180	66	11.55	693.43	4.6	7.7	55.7
3	AT&T	COMMSCOPE	NNHH-65A-R4	Panel	2300	50	2	180	60	15.95	3672.82	4.6	7.7	55.7
4	AT&T	COMMSCOPE	NNHH-65A-R4	Panel	700	80	1	180	74	10.35	809.26	4.6	7.7	55.7
4	AT&T	COMMSCOPE	NNHH-65A-R4	Panel	700	80	1	180	74	10.35	809.26	4.6	7.7	55.7
4	AT&T	COMMSCOPE	NNHH-65A-R4	Panel	1900	60	2	180	58	15.35	3838.67	4.6	7.7	55.7
4	AT&T	COMMSCOPE	NNHH-65A-R4	Panel	2100	45	4	180	61	15.45	5892.13	4.6	7.7	55.7
5	AT&T	COMMSCOPE	NNHH-65A-R4	Panel	850	40	1	270	66	11.55	533.41	4.6	7.7	55.7
5	AT&T	COMMSCOPE	NNHH-65A-R4	Panel	850	13	4	270	66	11.55	693.43	4.6	7.7	55.7
5	AT&T	COMMSCOPE	NNHH-65A-R4	Panel	2300	50	2	270	60	15.95	3672.82	4.6	7.7	55.7
6	AT&T	COMMSCOPE	NNHH-65A-R4	Panel	700	80	1	270	74	10.35	809.26	4.6	7.7	55.7
6	AT&T	COMMSCOPE	NNHH-65A-R4	Panel	700	80	1	270	74	10.35	809.26	4.6	7.7	55.7
6	AT&T	COMMSCOPE	NNHH-65A-R4	Panel	1900	60	2	270	58	15.35	3838.67	4.6	7.7	55.7
6	AT&T	COMMSCOPE	NNHH-65A-R4	Panel	2100	45	4	270	61	15.45	5892.13	4.6	7.7	55.7
7	AT&T	COMMSCOPE	DBXLH-6565A-VTM	Panel	850	0	0	270	70	11.603	0 (Decommissioned)	4.3	7.9	55.9
8	T-Mobile	GENERIC	PANEL 6FT	Panel	1900	60	2	30	66	15.84	4297.16	6.0	9.0	57.0
8	T-Mobile	GENERIC	PANEL 6FT	Panel	2100	60	2	30	63	16.39	4877.32	6.0	9.0	57.0

9	T-Mobile	GENERIC	PANEL 6FT	Panel	600	60	2	30	68	12.33	111.99	6.0	9.0	57.0
9	T-Mobile	GENERIC	PANEL 6FT	Panel	700	60	2	30	68	12.33	1915.05	6.0	9.0	57.0
10	T-Mobile	GENERIC	PANEL 6FT	Panel	1900	60	2	140	66	15.84	4297.16	6.0	9.0	57.0
10	T-Mobile	GENERIC	PANEL 6FT	Panel	2100	60	2	140	63	16.39	4877.32	6.0	9.0	57.0
11	T-Mobile	GENERIC	PANEL 6FT	Panel	600	60	2	140	68	12.33	111.99	6.0	9.0	57.0
11	T-Mobile	GENERIC	PANEL 6FT	Panel	700	60	2	140	68	12.33	1915.05	6.0	9.0	57.0
12	T-Mobile	GENERIC	PANEL 6FT	Panel	1900	60	2	270	66	15.84	4297.16	6.0	9.0	57.0
12	T-Mobile	GENERIC	PANEL 6FT	Panel	2100	60	2	270	63	16.39	4877.32	6.0	9.0	57.0
13	T-Mobile	GENERIC	PANEL 6FT	Panel	600	60	2	270	68	12.33	111.99	6.0	9.0	57.0
13	T-Mobile	GENERIC	PANEL 6FT	Panel	700	60	2	270	68	12.33	1915.05	6.0	9.0	57.0
14	Verizon	GENERIC	PANEL 6FT	Panel	850	40	4	0	66	12.62	2729.73	6.0	7.0	55.0
14	Verizon	GENERIC	PANEL 6FT	Panel	1900	40	4	0	66	15.84	5729.54	6.0	7.0	55.0
15	Verizon	GENERIC	PANEL 6FT	Panel	2100	40	4	0	63	16.39	6503.09	6.0	7.0	55.0
15	Verizon	GENERIC	PANEL 6FT	Panel	700	40	4	0	68	12.33	2553.41	6.0	7.0	55.0
16	Verizon	GENERIC	PANEL 6FT	Panel	850	40	4	90	66	12.62	2729.73	6.0	7.0	55.0
16	Verizon	GENERIC	PANEL 6FT	Panel	1900	40	4	90	66	15.84	5729.54	6.0	7.0	55.0
17	Verizon	GENERIC	PANEL 6FT	Panel	2100	40	4	90	63	16.39	6503.09	6.0	7.0	55.0
17	Verizon	GENERIC	PANEL 6FT	Panel	700	40	4	90	68	12.33	2553.41	6.0	7.0	55.0
18	Verizon	GENERIC	PANEL 6FT	Panel	850	40	4	180	66	12.62	2729.73	6.0	7.0	55.0
18	Verizon	GENERIC	PANEL 6FT	Panel	1900	40	4	180	66	15.84	5729.54	6.0	7.0	55.0
19	Verizon	GENERIC	PANEL 6FT	Panel	2100	40	4	180	63	16.39	6503.09	6.0	7.0	55.0
19	Verizon	GENERIC	PANEL 6FT	Panel	700	40	4	180	68	12.33	2553.41	6.0	7.0	55.0

*Table 1: Total Site Data Table (*NWS = Nearest Walking Surface, **AGL = Above Ground Level)*

Note: Z Value represents the bottom tip height of the antenna

4.0 PREDICTED EMISSION LEVELS AND DISCUSSION

All calculations performed based upon the data listed for this facility have produced results that are above allowable limits for General Population limits for exposure to RF emissions as specified by federal standards.

AT&T's RF Exposure: Responsibilities, Procedures & Guidelines document states that microwave dishes are compliant if they are mounted 20 feet or greater above any accessible walking or working surface.

Maximum Predicted MPE Level on Site:	% of MPE Limit:	Location:
Accessible **General Population** MPE Limits:	**116.83%**	**Sector C**
Accessible **Occupational** MPE Limits:	**23.37%**	

Ground Level Assessment:	% of MPE Limit:
Ground Level **General Population** MPE Limits:	**0.42%**
Ground Level **Occupational** MPE Limits:	**0.08%**

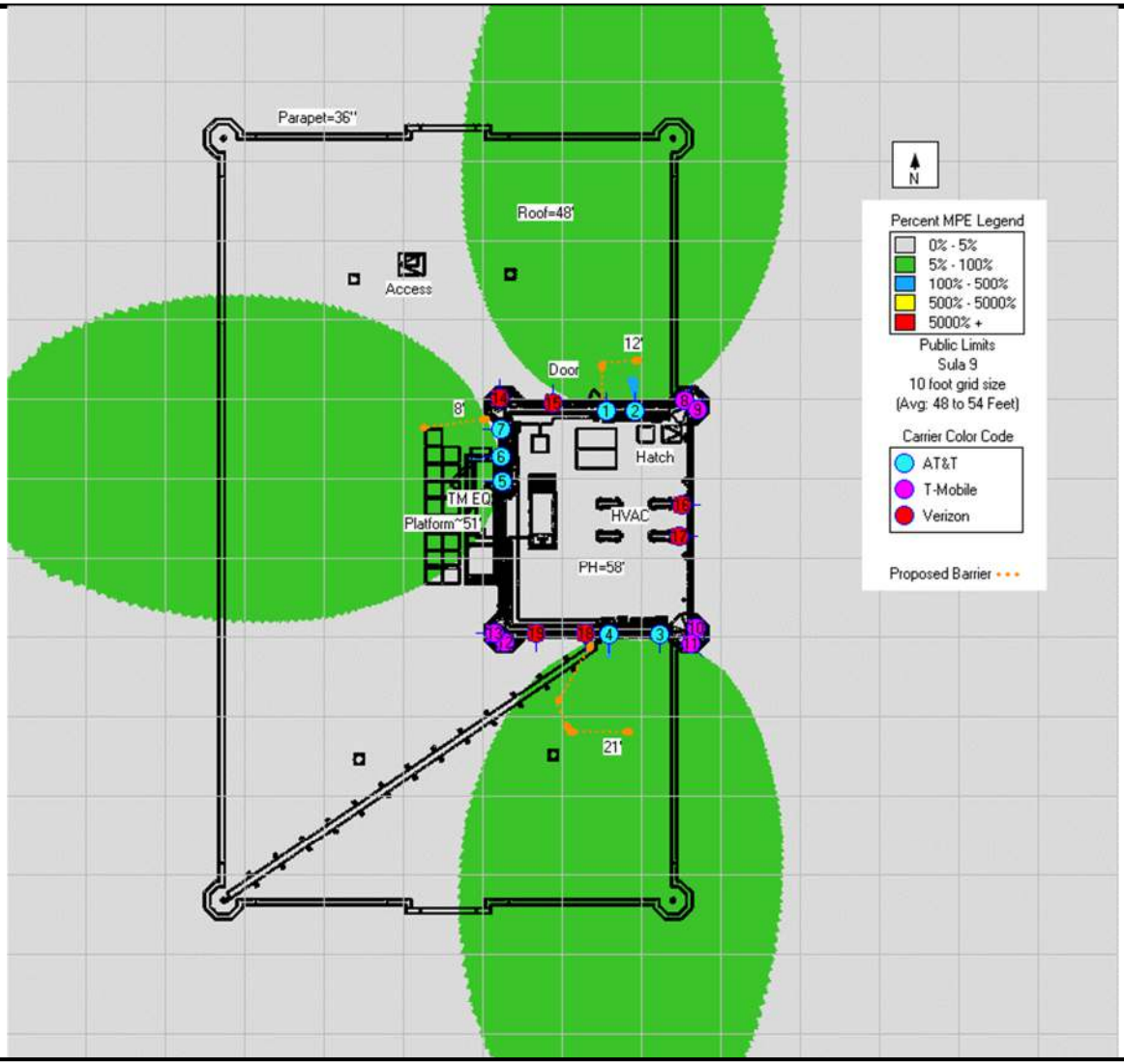
Sector A: Transmitting over Main Level	% of MPE Limit:	*Distance from Antenna:
Accessible **General Population** MPE Limits:	**113.36%**	**4**
Accessible **Occupational** MPE Limits:	**22.67%**	**0**

Sector B: Transmitting over Main Level	% of MPE Limit:	*Distance from Antenna:
Accessible **General Population** MPE Limits:	**111.20%**	**4**
Accessible **Occupational** MPE Limits:	**22.24%**	**0**

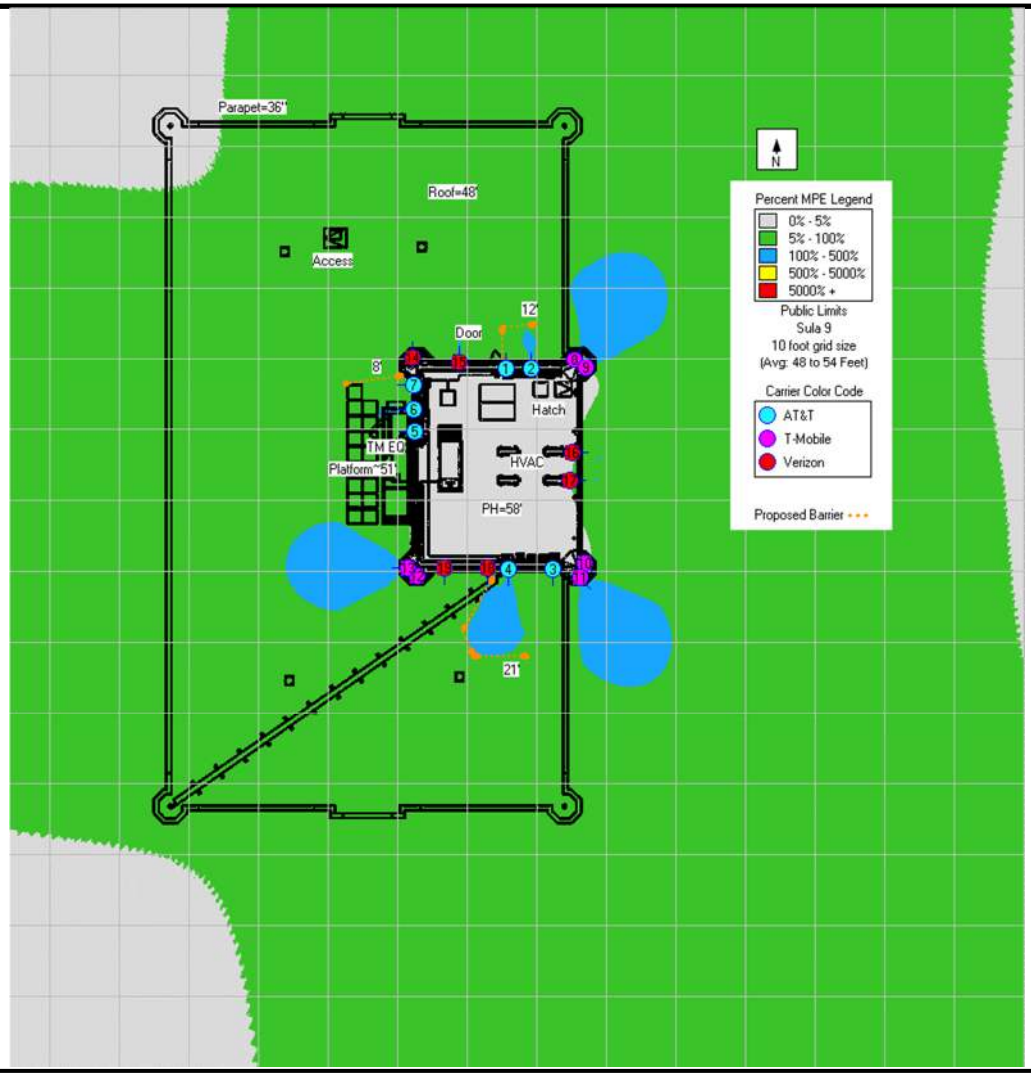
Sector C: Transmitting over Main Level	% of MPE Limit:	*Distance from Antenna:
Accessible **General Population** MPE Limits:	**116.83%**	**5**
Accessible **Occupational** MPE Limits:	**23.37%**	**0**

**Distance from Antenna is the distance that the MPE limits are exceeded from the front face of the antenna, outward across an accessible area.*

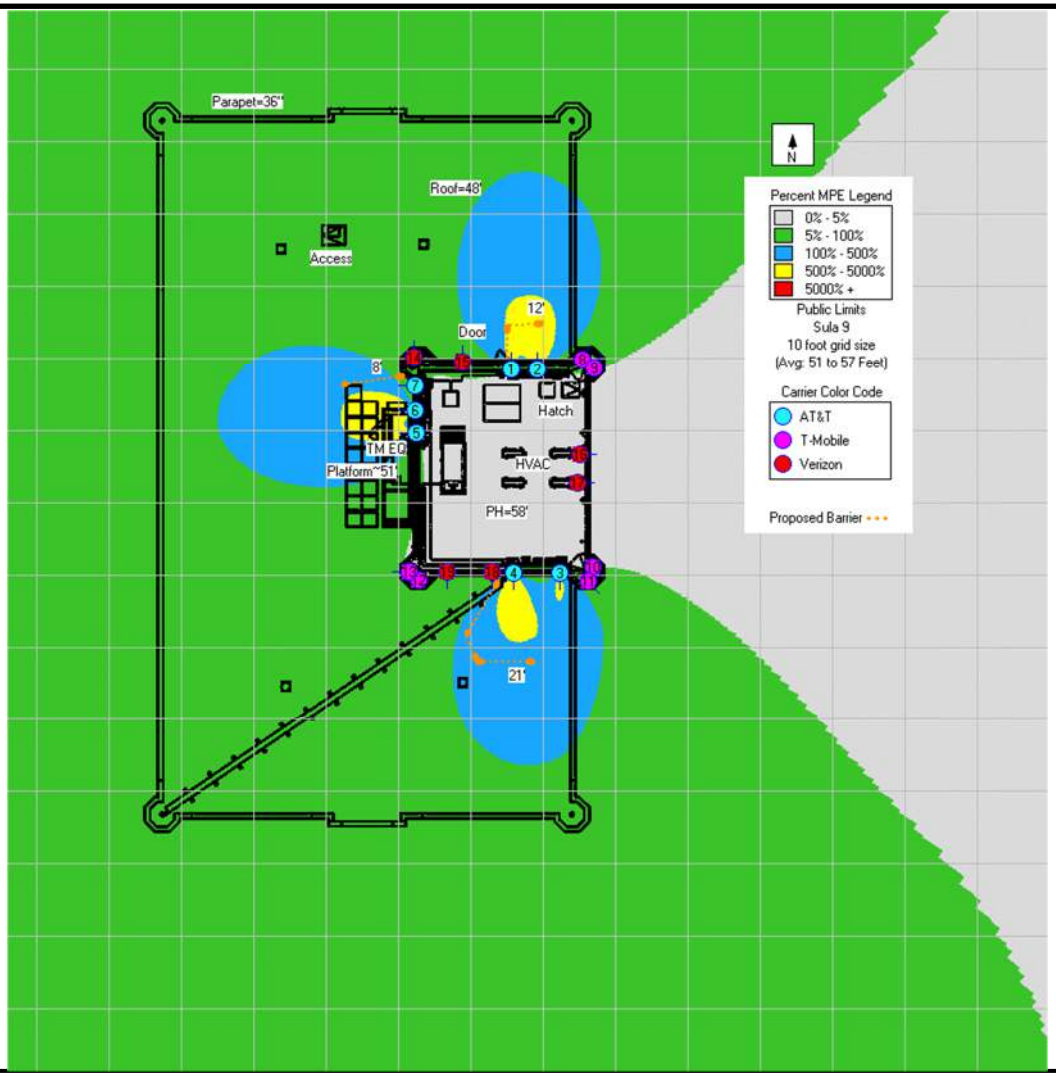
5.0 EMISSIONS DIAGRAMS



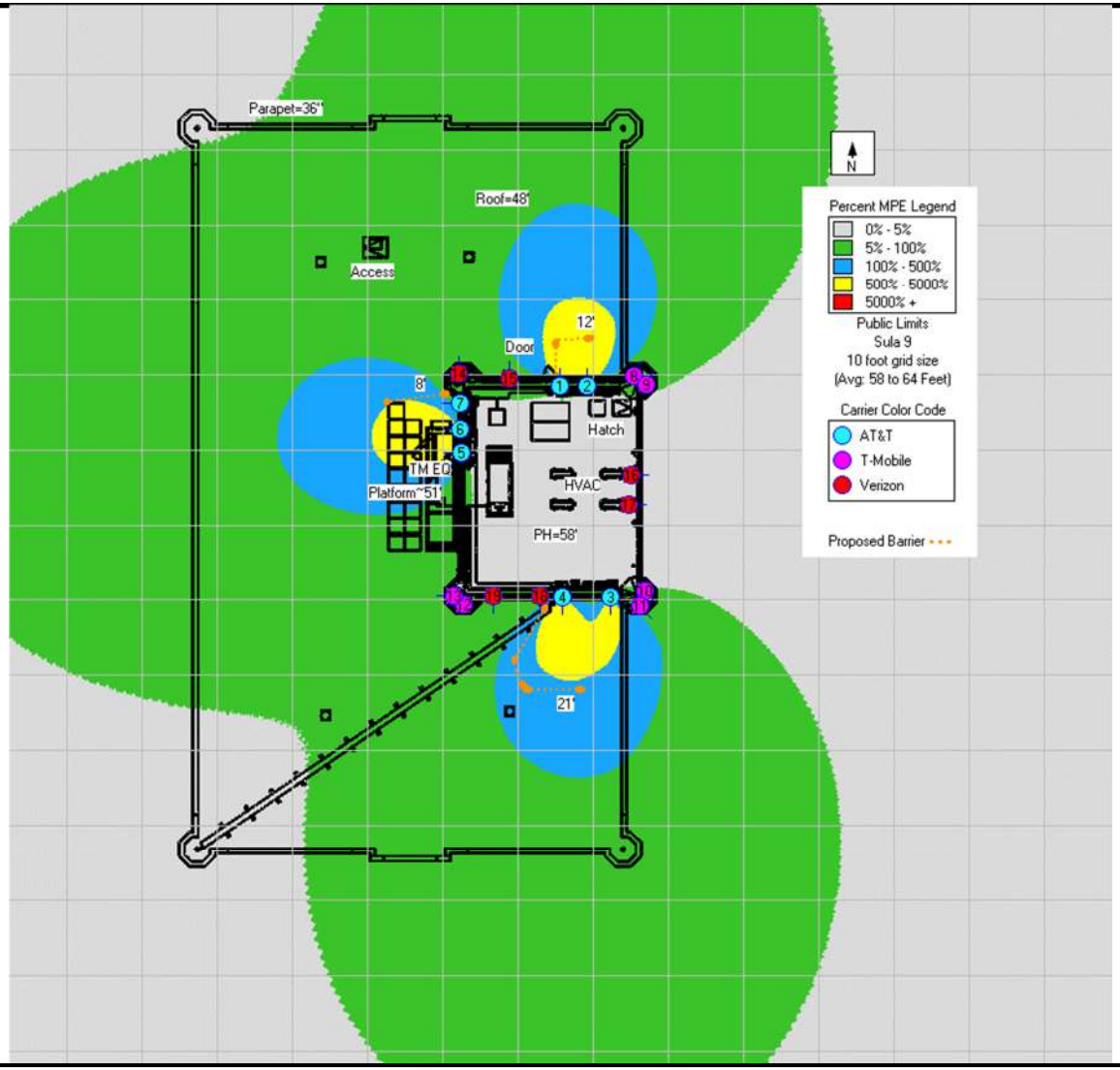
Emissions Thresholds for AT&T (Main Level 48.00ft.) East Concordia College / 10107449



Emissions Thresholds for All Carriers (Main Level 48ft.) East Concordia College / 10107449



Emissions Thresholds for All Carriers (Platform Level 51ft.) East Concordia College / 10107449



Emissions Thresholds for AT&T (Penthouse 58.00ft.) East Concordia College / 10107449

6.0 STATEMENT OF COMPLIANCE

Centerline conducted worst case modeling to determine whether the rooftop facility located at 171 White Plains Road in Bronxville, New York is in compliance with FCC Regulations.

6.1 STATEMENT OF AT&T MOBILITY COMPLIANCE

Based on the information analyzed, AT&T will be compliant with FCC Regulations once the mitigation measures recommended in this report are implemented.

6.2 RECOMMENDATIONS

Recommended Signage and Barriers (AT&T Sectors)						
Location	Notice 2	Caution 2	Caution 2B	Caution 2C	Warning 2	Barriers
Alpha	0	2	0	0	0	X
Beta	0	4	0	0	0	X
Gamma	0	2	0	0	0	X

Alpha Sector: Install a 12’ barrier (see diagram) and install Caution 2 signage on the proposed barrier stanchions.

Beta Sector: Install a 21’ barrier (see diagram) and install Caution 2 signage on the proposed barrier stanchions.

Gamma Sector: Install a 8’ barrier (see diagram) and install Caution 2 signage on the proposed barrier stanchions.

Notes:

- Ensure proposed barriers are at least 6’ from parapets less than 39” in height.
- AT&T sector A & B is predicted to contribute at least 5% to an area where Verizon’s antennas are predicted to exceed the MPE limits and no signage or barriers are in place. AT&T is jointly liable for bringing the sector into compliance.

7.0 FALL ARREST AND PARAPET INFORMATION

As per AT&T barrier policy, rooftop edges that are protected with a 39-inch parapet wall or guardrail are safe for work activity within six (6) feet of the edge. OSHA has stated that an existing 39-inch guardrail or parapet provides sufficient protection for employees. The height of the top rail or equivalent component of guardrail systems in new construction shall be at least 42 inches above the walking or working surface. It should also be noted that the height of the parapet or guardrail may be reduced to no less than 30 inches at any point provided the sum of the depth (horizontal distance) of the top edge, and the height of the top edge (vertical distance from the work surface to the top edge of the top member, is at least 48 inches. If there is no reason for working atop the roof, then edge protection is not required. In addition, workers may use personnel lifts or temporary fall protection measures to perform work within 6 feet of the roof edge in place of permanent edge protection. Reference: 29 CFR 1910.28, 29 CFR 1910.23 (NPRM-1990); OSHA Letters of Interpretation 2/9/83 and 3/8/9

APPENDIX A: RF SIGNAGE

AT&T RF Signage

Sign	Description	Sign	Description
	**Information 1 Sign** Gives guidelines on how to proceed and who to contact regarding areas that may exceed either the FCC's General Population or Occupational emissions limits.		**Information 2 Sign** Gives specific information on how to proceed and who to contact regarding antennas that are façade mounted, concealed or on stand-alone structures.
	**Blue Notice 1 Sign** Used to alert individuals that they are entering an area that may exceed the FCC's General Population emissions limit. Must be positioned such that persons approaching from any angle have ample warning to avoid the marked areas.		**Blue Notice 2 Sign** Used to alert individuals that they are entering an area that may exceed the FCC's General Population emissions limits. To be used on barriers or antenna sectors as a hybrid of the Information 1 and Blue Notice 1 signs.
	**Yellow Caution 1 Sign-Rooftop** Used to inform individuals that they are entering an area that may exceed the FCC's Occupational emissions limit. Must be positioned such that persons approaching from any angle have ample warning to avoid the marked areas.		**Yellow Caution 2 Sign-Rooftop** Used to alert individuals that they are entering an area that may exceed the FCC's Occupational emissions limit. To be used on barriers or antenna sectors as a hybrid of the Information 1 and Yellow Caution 1 signs.
	**Yellow Caution 1 Sign-Tower** Used to inform individuals that they are entering an area that may exceed the FCC's Occupational emissions limits. Must be placed at the base of the tower to warn tower climbers of potential for exposure.		**Warning 2 Sign** Used to inform individuals that they are entering an area that may exceed the FCC's Occupational emissions limit by a factor of 10 or greater. Must be positioned such that persons approaching from any angle have ample warning to avoid the marked areas.

APPENDIX B: FCC GUIDELINES AND EMISSIONS THRESHOLD LIMITS

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

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

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

Public exposure to radio frequencies is regulated and enforced in units of microwatts per square centimeter ($\mu W/cm^2$). The general population exposure limit for the 700 and 800 MHz Bands is approximately 467 $\mu W/cm^2$ and 567 $\mu W/cm^2$ respectively, and the general population exposure limit for the 1900 MHz PCS and 2100 MHz AWS bands is 1000 $\mu W/cm^2$. Because each carrier will be using different frequency bands, and each frequency band has different exposure limits, it is necessary to report percent of MPE rather than power density.

Occupational/Controlled exposure limits apply to situations in which persons are exposed as a consequence of their employment and in which those persons who are exposed have been made fully aware of the potential for exposure, have been properly trained in RF safety and can exercise control over their exposure. Occupational/Controlled exposure limits also apply where exposure is of a transient nature as a result of incidental passage through a location where exposure levels may be above general population/uncontrolled limits (see below), as long as the exposed person has been made fully aware of the potential for exposure, have been trained in RF safety and can exercise control over his or her exposure by leaving the area or by some other appropriate means. The Occupational/Controlled exposure limits all utilized frequency bands is five (5) times the FCC's General Public / Uncontrolled exposure limit.

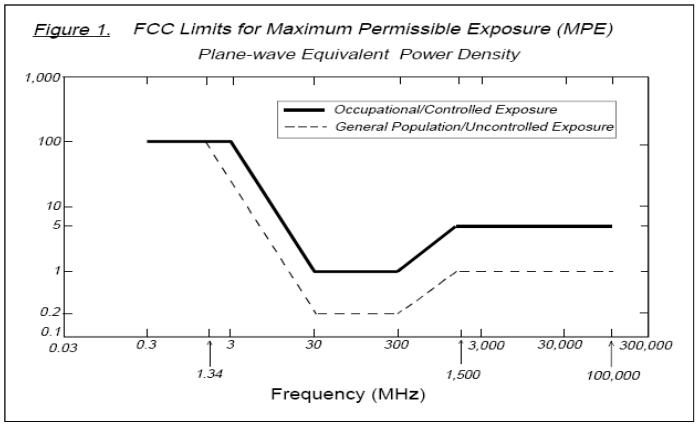
The FCC Mandates that if a site is found to be out of compliance with regard to emissions that any system operator contributing 5% or more to areas exceeding the FCC's allowable limits will be responsible for bringing the site into compliance.

Additional details can be found in FCC OET 65.

Table 1: Limits for Maximum Permissible Exposure (MPE)				
(A) Limits for Occupational/Controlled Exposure				
Frequency Range (MHz)	**Electric Field Strength (E) (V/m)**	**Magnetic Field Strength (H) (A/m)**	**Power Density (S) (mW/cm^2)**	**Averaging Time $[E]^2$, $[H]^2$, or S (minutes)**
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842/f	4.89/f	($900/f^2$)*	6
30-300	61.4	0.163	1.0	6
300-I,500	--	--	f/300	6
1,500-100,000	--	--	5	6
(B) Limits for General Public/Uncontrolled Exposure				
Frequency Range (MHz)	**Electric Field Strength (E) (V/m)**	**Magnetic Field Strength (H) (A/m)**	**Power Density (S) (mW/cm^2)**	**Averaging Time $[E]^2$, $[H]^2$, or S (minutes)**
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	($180/f^2$)*	30
30-300	27.5	0.073	0.2	30
300-I,500	--	--	f/1,500	30
1,500-100,000	--	--	1.0	30

f = Frequency in (MHz)

* Plane-wave equivalent power density



APPENDIX C: CALCULATION METHODOLOGY

Centerline Communications, LLC has performed theoretical modeling using Waterford Consultants' RoofMaster™ 2020 Version 21.9.04.20 which uses a cylindrical model for conservative power density predictions within the near field of the antenna where the antenna pattern has not truly formed yet. Within this area power density values tend to decrease based upon an inverse distance function. At the point where it is appropriate for modeling to change from near-field calculations to far-field calculations the power decreases inversely with the square of the distance. This modeling technique is accurate with low antenna centerlines, such as rooftops, where persons can get close to the antennas and pass through fields in close proximity.

The modeling is based on worst-case assumptions for the number of antennas and transmitter power. No losses were included in the power calculations unless they were specifically provided for the project.

APPENDIX D: CERTIFICATIONS

I, Michelle Stone, preparer of this report certify that I am fully trained and aware of the Rules and Regulations of both the Federal Communications Commissions (FCC) and the Occupational Safety and Health Administration (OSHA) with regard to Human Exposure to Radio Frequency Radiation. I have been trained in the procedures and requirements outlined in AT&T's RF Exposure: Responsibilities, Procedures & Guidelines document.

Michelle Stone

11/4/2020

I, Brandon Green, reviewer and approver of this report certify that I am fully trained and aware of the Rules and Regulations of both the Federal Communications Commissions (FCC) and the Occupational Safety and Health Administration (OSHA) with regard to Human Exposure to Radio Frequency Radiation. I have been trained in the procedures and requirements outlined in AT&T's RF Exposure: Responsibilities, Procedures & Guidelines document.

Brandon Green

11/4/2020

APPENDIX E: PROPRIETARY STATEMENT

This report was prepared for the use of AT&T Mobility, LLC to meet requirements specified in AT&T's corporate RF safety guidelines. It was performed in accordance with generally accepted practices of other consultants undertaking similar studies at the same time and in the same locale under like circumstances. The conclusions provided by Centerline Communications, LLC are based solely on the information provided by AT&T Mobility and all observations in this report are valid on the date of the investigation. Any additional information that becomes available concerning the site should be provided to Centerline Communications, LLC so that our conclusions may be revised and modified, if necessary. This report has been prepared in accordance with Standard Conditions for Engagement and authorized proposal, both of which are integral parts of this report. No other warranty, expressed or implied, is made.

4

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 2/9/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
Hub International Northeast
180 River Road, 2nd Floor
Summit NJ 07901

CONTACT NAME: Lilian Martinez
PHONE (A/C, No, Ext): 908-790-6879 **FAX (A/C, No):** 908-934-9222
E-MAIL ADDRESS: Lilian.Martinez@hubinternational.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Employers Insurance Company of Wausau	21458
INSURER B : Starr Surplus Lines Insurance Company	13604
INSURER C : Navigators Specialty Insurance Company	36056
INSURER D : Westchester Surplus Lines Insurance Co.	10172
INSURER E : Axis Surplus Insurance Company	26620
INSURER F : Evanston Insurance Company	35378

INSURED SQUACON-02
Squan Construction Services LLC
Communications Specialists, Inc.
193 Veterans Boulevard
Carlstadt NJ 07072

COVERAGES **CERTIFICATE NUMBER:** 1551412345 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
E	X **COMMERCIAL GENERAL LIABILITY** [ ] CLAIMS-MADE [X] OCCUR X XCU Included GEN'L AGGREGATE LIMIT APPLIES PER: [ ] POLICY [X] PRO-JECT [ ] LOC [ ] OTHER:	Y	Y	P001000460573-01	1/1/2021	1/1/2022	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 2,000,000 $ 100,000 $ $ 2,000,000 $ 4,000,000 $ 4,000,000
A	**AUTOMOBILE LIABILITY** X ANY AUTO [ ] OWNED AUTOS ONLY [ ] SCHEDULED AUTOS X HIRED AUTOS ONLY [X] NON-OWNED AUTOS ONLY	Y	Y	ASCZ11C0W265021	1/1/2021	1/1/2022	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000 $ $ $
B C D F	[ ] **UMBRELLA LIAB** [X] OCCUR X **EXCESS LIAB** [ ] CLAIMS-MADE [ ] DED [ ] RETENTION $	Y	Y	1000586801211 NY21EXCZ06Y1DIV G72501755001 MKLV1EUE100786	1/1/2021 1/1/2021 1/1/2021 1/1/2021	1/1/2022 1/1/2022 1/1/2022 1/1/2022	EACH OCCURRENCE AGGREGATE	$ 20,000,000 $ 20,000,000
A	**WORKERS COMPENSATION AND EMPLOYERS' LIABILITY** Y / N ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? [ ] **(Mandatory in NH)** If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		WCCZ11C0W265-011	1/1/2021	1/1/2022	X PER STATUTE [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ 1,000,000 $ 1,000,000 $ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Coverage Continued:
Professional Liability
Insurer: Colony Insurance Company - NAIC #39993
Policy No. CPLUS4266827
Policy Term: 12/21/20 - 12/21/21
Each Claim Limit: $2,000,000
Aggregate Limit: $10,000,000

See Attached...

CERTIFICATE HOLDER

Village of Bronxville
200 Pondfield Road
Bronxville NY 10708

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

AGENCY CUSTOMER ID: SQUACON-02

LOC #:

ADDITIONAL REMARKS SCHEDULE

AGENCY		NAMED INSURED
Hub International Northeast		Squan Construction Services LLC Communications Specialists, Inc. 193 Veterans Boulevard Carlstadt NJ 07072
POLICY NUMBER		
CARRIER	NAIC CODE	EFFECTIVE DATE:

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,

FORM NUMBER: 25 **FORM TITLE:** CERTIFICATE OF LIABILITY INSURANCE

Pollution Liability
Insurer: Colony Insurance Company - NAIC #39993
Policy No. CPLUS4266827
Policy Term: 12/21/20 - 12/21/21
Each Pollution Condition Limit: $5,000,000

Installation Floater
Insurer: Hanover Insurance Company - NAIC #22292
Policy No. RHYH360481-00
Policy Term: 01/01/21 - 01/01/22
Limit: $1,000,000

Re: Site NYCNNY5617 – MRNYJ003783 – East Concordia College – Village of Bronxville

Village of Bronxville is included as additional insured as required by written contract or agreement.

NEW YORK STATE | Workers' Compensation Board

CERTIFICATE OF NYS WORKERS' COMPENSATION INSURANCE COVERAGE

1a. Legal Name & Address of Insured (use street address only) Squan Construction Services LLC 193 Veterans Boulevard Carlstadt NJ 07072 Work Location of Insured *(Only required if coverage is specifically limited to certain locations in New York State, i.e., a Wrap-Up Policy)*	1b. Business Telephone Number of Insured 201-408-5111 1c. NYS Unemployment Insurance Employer Registration Number of Insured 1d. Federal Employer Identification Number of Insured or Social Security Number 20-4224437
2. Name and Address of Entity Requesting Proof of Coverage (Entity Being Listed as the Certificate Holder) Village of Bronxville 200 Pondfield Rd Bronxville NY 10708	3a. Name of Insurance Carrier Employers Insurance Company of Wausau 3b. Policy Number of Entity Listed in Box "1a" WCC-Z11-C0W265-011 3c. Policy effective period 1/1/2021 to 1/1/2022 3d. The Proprietor, Partners or Executive Officers are ☑ included. (Only check box if all partners/officers included) ☐ all excluded or certain partners/officers excluded.

This certifies that the insurance carrier indicated above in box "3" insures the business referenced above in box "1a" for workers' compensation under the New York State Workers' Compensation Law. **(To use this form, New York (NY) must be listed under Item 3A on the INFORMATION PAGE of the workers' compensation insurance policy).** The Insurance Carrier or its licensed agent will send this Certificate of Insurance to the entity listed above as the certificate holder in box "2".

The insurance carrier must notify the above certificate holder and the Workers' Compensation Board within 10 days IF a policy is canceled due to nonpayment of premiums or within 30 days IF there are reasons other than nonpayment of premiums that cancel the policy or eliminate the insured from the coverage indicated on this Certificate. (These notices may be sent by regular mail.) **Otherwise, this Certificate is valid for one year after this form is approved by the insurance carrier or its licensed agent, or until the policy expiration date listed in box "3c", whichever is earlier.**

This certificate is issued as a matter of information only and confers no rights upon the certificate holder. This certificate does not amend, extend or alter the coverage afforded by the policy listed, nor does it confer any rights or responsibilities beyond those contained in the referenced policy.

This certificate may be used as evidence of a Workers' Compensation contract of insurance only while the underlying policy is in effect.

Please Note: Upon cancellation of the workers' compensation policy indicated on this form, if the business continues to be named on a permit, license or contract issued by a certificate holder, the business must provide that certificate holder with a new Certificate of Workers' Compensation Coverage or other authorized proof that the business is complying with the mandatory coverage requirements of the New York State Workers' Compensation Law.

Under penalty of perjury, I certify that I am an authorized representative or licensed agent of the insurance carrier referenced above and that the named insured has the coverage as depicted on this form.

Approved by: Diane Beaudoin
(Print name of authorized representative or licensed agent of insurance carrier)

Approved by: Diane Beaudoin 2/10/2021
(Signature) (Date)

Title: Sr. Customer Service Coordinator

Telephone Number of authorized representative or licensed agent of insurance carrier: 401-248-9924

Please Note: Only insurance carriers and their licensed agents are authorized to issue Form C-105.2. Insurance brokers are NOT authorized to issue it.

Workers' Compensation Law

Section 57. Restriction on issue of permits and the entering into contracts unless compensation is secured.

1. The head of a state or municipal department, board, commission or office authorized or required by law to issue any permit for or in connection with any work involving the employment of employees in a hazardous employment defined by this chapter, and notwithstanding any general or special statute requiring or authorizing the issue of such permits, shall not issue such permit unless proof duly subscribed by an insurance carrier is produced in a form satisfactory to the chair, that compensation for all employees has been secured as provided by this chapter. Nothing herein, however, shall be construed as creating any liability on the part of such state or municipal department, board, commission or office to pay any compensation to any such employee if so employed.

2. The head of a state or municipal department, board, commission or office authorized or required by law to enter into any contract for or in connection with any work involving the employment of employees in a hazardous employment defined by this chapter, notwithstanding any general or special statute requiring or authorizing any such contract, shall not enter into any such contract unless proof duly subscribed by an insurance carrier is produced in a form satisfactory to the chair, that compensation for all employees has been secured as provided by this chapter.