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August 14, 2025

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REPLY TO:

Tarrytown Office

Hon. Mayor Michael J. Newhard and
Members of the Village Board of Trustees
Village of Warwick
77 Main Street Warwick, NY

RE: T-Mobile Northeast LLC
Eligible Facilities Request Application
17 Maple Avenue, Warwick, NY 10990

Hon. Mayor Michael J. Newhard and
Members of the Village Board of Trustees:

We represent T-Mobile Northeast LLC ("T-Mobile") in connection with its applications to renew the special permit for the existing facility ("Existing Facility") located on the rooftop of the existing building ("Existing Building") at the above referenced property ("Property"). The application also includes a modification request that qualifies as an eligible facilities request in accordance with section 6409 (codified as 47 U.S.C. 1455(a)) of the Middle Class Tax Relief and Job Creation Act of 2012 ("Tax Relief Act"), and its implementing regulations 47 C.F.R. §1.6100, (a copy of which is attached hereto).

The legislative history for the Tax Relief Act clearly establishes the intent of Congress. "Section 6409. This section streamlines the process for siting of wireless facilities by preempting the ability of State and local authorities to delay collocation of, removal of, and replacement of wireless equipment." 158 Cong. Rec. E237-39 (daily ed. February 24, 2012) (statement of Rep. Fred Upton). On October 17, 2014, the Federal Communications Commission adopted the Acceleration of Broadband Deployment by Improving Wireless Facilities Siting Policies order ("FCC Order") further implementing Section 6409 of the Tax Relief Act. Pursuant to the FCC Order's implementing regulation, 47 C.F.R. § 1.6100, "[w]ithin 60 days of receiving the application or the request will be deemed granted of the date on which an applicant submits a request seeking approval under this section, the State or local government shall approve the application unless it determines that the application is not covered by this section."

As set forth in the materials submitted herewith, T-Mobile's proposed modification involves the replacement and addition of transmission equipment that does not substantially change the physical dimensions of the Existing Facility.

Specifically, T-Mobile's proposed upgrade includes replacing antennas and installing related transmission equipment at the Existing Facility. There will be no "substantial change" to the physical dimensions of the Existing Facility for the following reasons. First, the proposed antennas will not increase the height of the Existing Facility by more than 10 feet. In fact, there is no proposed increase in height to Existing Facility. Second, the proposed antennas will not protrude further from the edge of the Existing Facility by more than 6 feet. Third, the number of equipment cabinets will not be increased by more than 4. Fourth, there will be no excavation or deployment outside the current site. Fifth, the proposed modification will not defeat the concealment elements of the existing base station. Sixth, the proposed modification will not defeat any prior conditions of approval.

It is noted that T-Mobile's Existing Facility is existing but the Village has stated that a new special permit must be issued for T-Mobile's Existing Facility as the prior special permit expired. Please note that T-Mobile's application for a new special permit is also an eligible facilities request as it is a collocation at an existing wireless facility and the Town is required by federal law to approve the new special permit. See 47 C.F.R § 1.6100

In furtherance of the foregoing enclosed please find a check in the amount of \$7,500.00 representing the special permit fee together with the following:

- 1) Application Form;
- 2) Statement of Compliance;
- 3) EAF;
- 4) RF Justification Report;
- 5) FCC Compliance Report;
- 6) T-Mobile Insurance;
- 7) Structural Reports; and
- 8) Plans.

Thank you for your prompt consideration. Please contact my office when this application has been scheduled for a Village Board meeting or if you have any questions regarding this application.

Sincerely yours,
Snyder & Snyder, LLP

By: 

David J. Kenny

Enclosures

cc: T-Mobile

Z:\SSDATA\WPDATA\SS3\RDG\T-Mobile\Warwick, Village\Filing Letter NY10253 8.14.25.rtf

Code of Federal Regulations

Title 47. Telecommunication

Chapter I. Federal Communications Commission (Refs & Annos)

Subchapter A. General

Part 1. Practice and Procedure (Refs & Annos)

Subpart U. State and Local Government Regulation of the Placement, Construction, and Modification of Personal Wireless Service Facilities (Refs & Annos)

47 C.F.R. § 1.6100

§ 1.6100 Wireless Facility Modifications.

Effective: January 4, 2021

Currentness

(a) [Reserved by 83 FR 51886]

(b) Definitions. Terms used in this section have the following meanings.

(1) Base station. A structure or equipment at a fixed location that enables Commission-licensed or authorized wireless communications between user equipment and a communications network. The term does not encompass a tower as defined in this subpart or any equipment associated with a tower.

(i) The term includes, but is not limited to, equipment associated with wireless communications services such as private, broadcast, and public safety services, as well as unlicensed wireless services and fixed wireless services such as microwave backhaul.

(ii) The term includes, but is not limited to, radio transceivers, antennas, coaxial or fiber-optic cable, regular and backup power supplies, and comparable equipment, regardless of technological configuration (including Distributed Antenna Systems and small-cell networks).

(iii) The term includes any structure other than a tower that, at the time the relevant application is filed with the State or local government under this section, supports or houses equipment described in paragraphs (b)(1)(i) through (ii) of this section that has been reviewed and approved under the applicable zoning or siting process, or under another State or local regulatory review process, even if the structure was not built for the sole or primary purpose of providing such support.

(iv) The term does not include any structure that, at the time the relevant application is filed with the State or local government under this section, does not support or house equipment described in paragraphs (b)(1)(i)-(ii) of this section.

(2) Collocation. The mounting or installation of transmission equipment on an eligible support structure for the purpose of transmitting and/or receiving radio frequency signals for communications purposes.

(3) Eligible facilities request. Any request for modification of an existing tower or base station that does not substantially change the physical dimensions of such tower or base station, involving:

(i) Collocation of new transmission equipment;

(ii) Removal of transmission equipment; or

(iii) Replacement of transmission equipment.

(4) Eligible support structure. Any tower or base station as defined in this section, provided that it is existing at the time the relevant application is filed with the State or local government under this section.

(5) Existing. A constructed tower or base station is existing for purposes of this section if it has been reviewed and approved under the applicable zoning or siting process, or under another State or local regulatory review process, provided that a tower that has not been reviewed and approved because it was not in a zoned area when it was built, but was lawfully constructed, is existing for purposes of this definition.

(6) Site. For towers other than towers in the public rights-of-way, the current boundaries of the leased or owned property surrounding the tower and any access or utility easements currently related to the site, and, for other eligible support structures, further restricted to that area in proximity to the structure and to other transmission equipment already deployed on the ground. The current boundaries of a site are the boundaries that existed as of the date that the original support structure or a modification to that structure was last reviewed and approved by a State or local government, if the approval of the modification occurred prior to the Spectrum Act or otherwise outside of the section 6409(a) process.

(7) Substantial change. A modification substantially changes the physical dimensions of an eligible support structure if it meets any of the following criteria:

(i) For towers other than towers in the public rights-of-way, it increases the height of the tower by more than 10% or by the height of one additional antenna array with separation from the nearest existing antenna not to exceed twenty feet, whichever is greater; for other eligible support structures, it increases the height of the structure by more than 10% or more than ten feet, whichever is greater;

(A) Changes in height should be measured from the original support structure in cases where deployments are or will be separated horizontally, such as on buildings' rooftops; in other circumstances, changes in height should be measured from the dimensions of the tower or base station, inclusive of originally approved appurtenances and any modifications that were approved prior to the passage of the Spectrum Act.

(ii) For towers other than towers in the public rights-of-way, it involves adding an appurtenance to the body of the tower that would protrude from the edge of the tower more than twenty feet, or more than the width of the tower structure at the level of the appurtenance, whichever is greater; for other eligible support structures, it involves adding an appurtenance to the body of the structure that would protrude from the edge of the structure by more than six feet;

(iii) For any eligible support structure, it involves installation of more than the standard number of new equipment cabinets for the technology involved, but not to exceed four cabinets; or, for towers in the public rights-of-way and base stations, it involves installation of any new equipment cabinets on the ground if there are no pre-existing ground cabinets associated with the structure, or else involves installation of ground cabinets that are more than 10% larger in height or overall volume than any other ground cabinets associated with the structure;

(iv) It entails any excavation or deployment outside of the current site, except that, for towers other than towers in the public rights-of-way, it entails any excavation or deployment of transmission equipment outside of the current site by more than 30 feet in any direction. The site boundary from which the 30 feet is measured excludes any access or utility easements currently related to the site;

(v) It would defeat the concealment elements of the eligible support structure; or

(vi) It does not comply with conditions associated with the siting approval of the construction or modification of the eligible support structure or base station equipment, provided however that this limitation does not apply to any modification that is non-compliant only in a manner that would not exceed the thresholds identified in § 1.40001(b)(7)(i) through (iv).

(8) Transmission equipment. Equipment that facilitates transmission for any Commission-licensed or authorized wireless communication service, including, but not limited to, radio transceivers, antennas, coaxial or fiber-optic cable, and regular and backup power supply. The term includes equipment associated with wireless communications services including, but not limited to, private, broadcast, and public safety services, as well as unlicensed wireless services and fixed wireless services such as microwave backhaul.

(9) Tower. Any structure built for the sole or primary purpose of supporting any Commission-licensed or authorized antennas and their associated facilities, including structures that are constructed for wireless communications services including, but not limited to, private, broadcast, and public safety services, as well as unlicensed wireless services and fixed wireless services such as microwave backhaul, and the associated site.

(c) Review of applications. A State or local government may not deny and shall approve any eligible facilities request for modification of an eligible support structure that does not substantially change the physical dimensions of such structure.

(1) Documentation requirement for review. When an applicant asserts in writing that a request for modification is covered by this section, a State or local government may require the applicant to provide documentation or information only to the extent reasonably related to determining whether the request meets the requirements of this section. A State or local government may not require an applicant to submit any other documentation, including but not limited to documentation intended to illustrate the need for such wireless facilities or to justify the business decision to modify such wireless facilities.

(2) Timeframe for review. Within 60 days of the date on which an applicant submits a request seeking approval under this section, the State or local government shall approve the application unless it determines that the application is not covered by this section.

(3) Tolling of the timeframe for review. The 60-day period begins to run when the application is filed, and may be tolled only by mutual agreement or in cases where the reviewing State or local government determines that the application is incomplete. The timeframe for review is not tolled by a moratorium on the review of applications.

(i) To toll the timeframe for incompleteness, the reviewing State or local government must provide written notice to the applicant within 30 days of receipt of the application, clearly and specifically delineating all missing documents or information. Such delineated information is limited to documents or information meeting the standard under paragraph (c)(1) of this section.

(ii) The timeframe for review begins running again when the applicant makes a supplemental submission in response to the State or local government's notice of incompleteness.

(iii) Following a supplemental submission, the State or local government will have 10 days to notify the applicant that the supplemental submission did not provide the information identified in the original notice delineating missing information. The timeframe is tolled in the case of second or subsequent notices pursuant to the procedures identified in this paragraph (c)(3). Second or subsequent notices of incompleteness may not specify missing documents or information that were not delineated in the original notice of incompleteness.

(4) Failure to act. In the event the reviewing State or local government fails to approve or deny a request seeking approval under this section within the timeframe for review (accounting for any tolling), the request shall be deemed granted. The deemed grant does not become effective until the applicant notifies the applicable reviewing authority in writing after the review period has expired (accounting for any tolling) that the application has been deemed granted.

(5) Remedies. Applicants and reviewing authorities may bring claims related to Section 6409(a) to any court of competent jurisdiction.

Credits

[80 FR 28203, May 18, 2015; 83 FR 51886, Oct. 15, 2018; 85 FR 78018, Dec. 3, 2020]

SOURCE: 56 FR 57598, Nov. 13, 1991; 57 FR 187, Jan. 3, 1992; 58 FR 27473, May 10, 1993; 59 FR 22985, May 4, 1994; 61 FR 45618, Aug. 29, 1996; 61 FR 46561, Sept. 4, 1996; 61 FR 52899, Oct. 9, 1996; 62 FR 37422, July 11, 1997; 63 FR 67429, Dec. 7, 1998; 63 FR 71036, Dec. 23, 1998; 64 FR 63251, Nov. 19, 1999; 65 FR 10720, Feb. 29, 2000; 65 FR 19684, April 12, 2000; 65 FR 31281, May 17, 2000; 69 FR 77938, Dec. 29, 2004; 71 FR 26251, May 4, 2006; 74 FR 39227, Aug. 6, 2009; 75 FR 9797, March 4, 2010; 76 FR 43203, July 20, 2011; 77 FR 71137, Nov. 29, 2012; 78 FR 10100, Feb. 13, 2013; 78 FR 15622, March 12, 2013; 78 FR 41321, July 10, 2013; 78 FR 50254, Aug. 16, 2013; 79 FR 48528, Aug. 15, 2014; 80 FR 1268, Jan. 8, 2015; 81 FR 40821, June 23, 2016; 81 FR 52362, Aug. 8, 2016; 81 FR 79930, Nov. 14, 2016; 81 FR 86601, Dec. 1, 2016; 82 FR 8171, Jan. 24, 2017; 82 FR 18581, April 20, 2017; 82 FR 20839, May 4, 2017; 82 FR 24561, May 30, 2017; 82 FR 41103, Aug. 29, 2017; 82 FR 41544, Sept. 1, 2017; 82 FR 55331, Nov. 21, 2017; 82 FR 58758, Dec. 14, 2017; 83 FR 2556, Jan. 18, 2018; 83 FR 4600, Feb. 1, 2018; 83 FR 7401, Feb. 21, 2018; 83 FR 46836, Sept. 14, 2018; 83 FR 47095, Sept. 18, 2018; 83 FR 48963, Sept. 28, 2018; 83 FR 51884, Oct. 15, 2018; 83 FR 61089, Nov. 27, 2018; 83 FR 63095, Dec. 7, 2018; 84 FR 8618, March 11, 2019; 84 FR 50999, Sept. 26, 2019; 84 FR 57363, Oct. 25, 2019; 86 FR 12547, March 4, 2021; 86 FR 15797, March 25, 2021, unless otherwise noted.

AUTHORITY: 47 U.S.C. chs. 2, 5, 9, 13; 28 U.S.C. 2461 note, unless otherwise noted.

Notes of Decisions (5)

Current through March 25, 2021; 86 FR 15799.

End of Document

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Village of Warwick
Special Use Permit Application for New Wireless Communication Facilities

This application is required for the installation of new wireless communication facilities within the Village of Warwick, NY and for modifications of such facilities. All applicants must complete the form in its entirety and read and provide all required supporting documentation as outlined in the **Village of Warwick Zoning Code Section 145-120.1 Wireless Communications** which can be found here:

<https://villageofwarwick.org/village-comprehensive-plan-code-and-zoning/>

Submit this completed application form along with all supporting documentation to the Village of Warwick Clerk's Office. Incomplete applications may be rejected. A non-refundable application fee of \$7,500.00 must be submitted with this application.

Applicant Information

Name of Applicant: T-Mobile Northeast LLC ("T-Mobile")

Mailing Address: c/o Snyder & Snyder LLP 94 White Plains Road Tarrytown, NY 10591

Contact Person: David Kenny Phone Number: (914) 333-0700

Email Address: Dkenny@snyderlaw.net

Property Owner Information

Name of Property Owner: St. Anthony Community Hospital

Mailing Address: 15 Maple Avenue, Warwick, NY 10990

Phone Number: (845) 987-5675

Email Address: scott.watson@wmchealth.org

Property Information

Property Address: 15 Maple Avenue, Warwick, NY 10990

Tax Map Parcel Number: _____

Zoning District: CCRC

Size of Property (square feet and lot line dimensions): _____

Project Information

Description of Proposed Wireless Communication Facility:

This application is for the continued existence of T-Mobile's Existing Facility on the rooftop. The existing special permit expired and now T-Mobile seeks a new special permit. Application qualifies as an eligible facilities request, see 47 C.F.R. Sec. 1.6100

Height of Proposed Facility: 85' (Top of stealth wall (No Change))

Type and Number of Antennas: 8 Panel Antennas

Proposed Start Date: 8/31/25

Estimated Completion Date: 9/15/25

Application Fee

☐ A non-refundable application fee of \$7,500.00 must be submitted with this application. Checks payable to the Village of Warwick.

Required Signatures

Printed Name of Applicant: Jon Fazio

Signature of Applicant: [Signature]

Date: 6/15/25

Printed Name of Owner (if different from Applicant): _____

Signature of Property Owner (if different from Applicant): _____

Date: _____

Special Use Application Submission Requirements

The applicant shall demonstrate that:

1. The applicant's proposed wireless telecommunications facility can be maintained in a safe manner and in compliance with all conditions of the Special Use.
2. The applicant is authorized to do business in New York State.

All applications for the construction or installation of a new wireless telecommunications facilities shall be prepared by a New York licensed professional engineer and land surveyor and shall address either on the Site Plan or in a narrative report which may accompany the Site Plan submission, the following:

- (1) The need for the wireless telecommunications facility to provide service primarily within the Village.
- (2) Name and address of person preparing the report.
- (3) Name and address of the property owner, operator and applicant, to include the legal form of the applicant
- (4) Postal address and Tax Map parcel number of the property.
- (5) Zoning district or designation in which the property is situated.
- (6) Size of the property stated both in square feet and lot line dimensions and a diagram showing the location of all lot lines.

- (7) Location of all residential structures within 750 feet.
 - (8) Location and uses of all occupied structures within 750 feet.
 - (9) Location and uses of all structures on the property which is the subject of the application.
 - (10) Location, size and height of all proposed and existing antennas and all appurtenant structures.
 - (11) Type, size and location of all proposed and existing landscaping.
 - (12) The number, type and design of the wireless telecommunications facility(s) antenna(s) proposed and the basis for the calculations of the wireless telecommunications facility's capacity to accommodate multiple users.
 - (13) The make, model and manufacturer of the wireless facility and antenna(s).
 - (14) A description of the proposed wireless facility and antenna(s) and all related fixtures, structures, appurtenances and apparatus, including height above pre-existing grade, materials, color and lighting.
 - (15) The frequency, modulation and class of service of radio or other transmitting equipment.
 - (16) Transmission and maximum effective radiated power of the antenna(s).
 - (17) Direction of maximum lobes and associated radiation of the antenna(s).
 - (18) Applicant's proposed wireless facility maintenance and inspection procedures and related system of record.
 - (19) Certification that NEIR levels at the proposed site are within the threshold levels adopted by the FCC.
 - (20) Certification that the proposed antenna(s) will not cause interference with existing telecommunications devices. The certifying engineer need not be approved by the Village.
 - (21) A copy of the FCC license applicable for the use of the wireless telecommunications facility.
 - (22) Certification that topographic and geologic conditions which are to be confirmed by field tests are sufficient to assure the stability of the proposed wireless telecommunications tower.
 - (23) Propagation studies of the proposed site and all adjoining proposed or in-service or existing sites.
 - (24) Applicant shall disclose, in writing, any agreement in existence prior to submission of the application that would limit or preclude the ability of the applicant to share any new wireless telecommunications facility that it constructs.
- In the case of a new wireless telecommunications facility, the applicant shall be required to submit a report demonstrating its efforts to secure shared use of existing wireless telecommunications facility(s). Copies of written requests and responses for shared use shall be provided to the Village Board.
 - Certification that the wireless telecommunications facility and attachments both are designed and constructed ('as built') to meet all county, state and federal structural requirements for loads, including wind and ice.
 - The applicant shall submit a completed Long Form EAF and a completed Visual EAF addendum.
 - The Visual EAF addendum shall be in the form of a visual impact assessment which shall include:

(1) A Zone of Visibility Map, indicating the full range and line of sight within which the proposed facility will be visible.

(2) Pictorial representations of before and after views from key viewpoints to be determined by the Village Board including but not limited to state highways and other major roads; state and local parks; other public lands; historic districts; preserves and historic sites normally open to the public; and from any other location where the site is visible.

(3) An assessment of the visual impact of the facility base, wires and accessory buildings from abutting and adjacent properties and streets.

(4) A discussion of the feasibility of disguising the proposed utilizing stealth technology to blend with surrounding vista.

- The applicant shall provide a plan for mitigation of the visual impacts which shall include a screening plan and such other methods as the applicant may employ to diminish any adverse visual impact attributable to the proposal.

Shared Use of Towers

1. Location of antennas on pre-existing structures shall be considered and preferred. Shared use of existing telecommunications towers or other existing structures within four miles of any proposed new tower site; and
 - a. Where such shared use is unavailable, the applicant shall submit a comprehensive report inventorying existing towers and other appropriate structures within four miles of any proposed new tower site; and
 - b. The applicant shall provide analysis of the feasibility of shared use of any facility so identified.
2. An applicant intending to share use of an existing telecommunications tower or other tall structure shall be required to document the feasibility of same.

Height of Wireless Telecommunications Facilities.

- The applicant shall submit documentation justifying to the Village Board the total height of any wireless telecommunications facility and/or antenna and the basis therefore.

VILLAGE OF WARWICK
COUNTY OF ORANGE

-----X
In the matter of the Application for

Statement of Compliance

T-Mobile Northeast LLC ("T-Mobile")

Property: 15 Maple Avenue
-----X

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

Jon Forzio, on behalf of T-Mobile Northeast LLC, being duly sworn, does depose and say:

1. I am the Agent of T-Mobile Northeast LLC ("T-Mobile"), the Applicant for a special use permit to operate a wireless communications facility at 15 Maple Avenue (St. Anthony's Hospital), in the Village of Warwick ("Property").

2. I hereby state, in accordance with Section 145-120.1(D)(1)(c) of the Village of Warwick Zoning Code that the existing wireless telecommunications facility ("Facility") located at the Property has been 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, ordinances, and regulations, including any and all applicable Village, state and federal laws, rules, and regulations.

4. T-Mobile is authorized to do business in New York State.

T-Mobile Northeast LLC

By: [Signature]
Name: Jon Forzio
Title: Project manager

Sworn to before me this
4th day of August, 2024 2025

[Signature]
Notary Public

JOAN NUNEZ
Notary Public, State of New Jersey
My Commission Expires Mar 26, 2029

Full Environmental Assessment Form
Part 1 - Project and Setting

Instructions for Completing Part 1

Part 1 is to be completed by the applicant or project sponsor. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.

Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either "Yes" or "No". If the answer to the initial question is "Yes", complete the sub-questions that follow. If the answer to the initial question is "No", proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the applicant or project sponsor to verify that the information contained in Part 1 is accurate and complete.

A. Project and Applicant/Sponsor Information.

| | | |
|---|-----------|---|
| Name of Action or Project: NY10253B - T-Mobile Co-location and Modification of a Wireless Communications Facility | | |
| Project Location (describe, and attach a general location map): 17 Maple Avenue, Warwick, NY 10990 | | |
| Brief Description of Proposed Action (include purpose or need): T-Mobile Northeast, LLC proposes to modify an existing telecommunications facility located at 17 Maple Avenue, Warwick, Orange County, New York. More specifically, the actions include the removal of four (4) AIR32 B66A B2A and three (3) GENERIC TWIN STYLE 1B-AWS from the building and addition of one (1) RADIO 4449 B71/B12, four (4) AIR6419 B41, four (4) RADIO 4460 B25+B66, and one (1) APXVAALL18_43-U-NA20 and will be routed into existing equipment + proposed equipment cabinets at ground level. Ground work proposed includes one (1) ENCLOSURE 6160AC, one (1) ERICSON B160 AC V1 CABINET, and one (1) ERICSON RP 6651 (N500). The Village has informed T-Mobile that the special permit has expired and therefore this application includes a request for a new special permit. This project will include no ground disturbance and will require no tree removal. | | |
| Name of Applicant/Sponsor: Snyder & Snyder LLP | | Telephone: (914) 333-0700 E-Mail: dkenny@snyderlaw.net |
| Address: 94 White Plains Road | | |
| City/PO: Tarrytown | State: NY | Zip Code: 10591 |
| Project Contact (if not same as sponsor; give name and title/role): Jonathan Fazio | | Telephone: (973) 934-9354 E-Mail: jfazio@inrange-llc.com |
| Address: 90 East Halsey Road, Suit 382 | | |
| City/PO: Parsippany | State: NJ | Zip Code: 07054 |
| Property Owner (if not same as sponsor): St. Anthony Community Hospital | | Telephone: E-Mail: |
| Address: 17 Maple Avenue | | |
| City/PO: Warwick | State: NY | Zip Code: 10990 |

B. Government Approvals

B. Government Approvals, Funding, or Sponsorship. (“Funding” includes grants, loans, tax relief, and any other forms of financial assistance.)

| Government Entity | If Yes: Identify Agency and Approval(s) Required | Application Date (Actual or projected) |
|--|--|---|
| a. City Counsel, Town Board, <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No or Village Board of Trustees | | |
| b. City, Town or Village <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Planning Board or Commission | Special Permit | Projected 2025-08-01 |
| c. City, Town or <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Village Zoning Board of Appeals | | |
| d. Other local agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| e. County agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| f. Regional agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| g. State agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| h. Federal agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| i. Coastal Resources. | | |
| i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program? | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| iii. Is the project site within a Coastal Erosion Hazard Area? | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

C. Planning and Zoning**C.1. Planning and zoning actions.**

Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed? ☒ Yes ☐ No

- If Yes, complete sections C, F and G.
- If No, proceed to question C.2 and complete all remaining sections and questions in Part 1

C.2. Adopted land use plans.

a. Do any municipally- adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located? ☐ Yes ☒ No

If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located? ☐ Yes ☒ No

b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway; Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?) ☒ Yes ☐ No

If Yes, identify the plan(s):

The site is located within the Warwick Village Historic District

c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan? ☐ Yes ☒ No

If Yes, identify the plan(s):

| | |
|--|--|
| C.3. Zoning | |
| a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. If Yes, what is the zoning classification(s) including any applicable overlay district? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <u>The Village of Warwick Zoning Map depicts that the site is located in zone 'CCRC', a Continuing Care Retirement Community. The site is also on the NY SHPO's CRIS GIS Map as being within the Warwick Village Historic District</u> | |
| b. Is the use permitted or allowed by a special or conditional use permit? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| c. Is a zoning change requested as part of the proposed action? If Yes, | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| i. What is the proposed new zoning for the site? _____ | |
| C.4. Existing community services. | |
| a. In what school district is the project site located? | <u>Warwick Valley Central School District</u> |
| b. What police or other public protection forces serve the project site? | <u>Warwick Town Police Department</u> |
| c. Which fire protection and emergency medical services serve the project site? | <u>Orange County Emergency Services, Warwick Fire Department</u> |
| d. What parks serve the project site? | <u>None, the closest park to the Project Site is Stanley Deming Park (approximately 0.62 miles away)</u> |

D. Project Details

| | |
|---|------------------------|
| D.1. Proposed and Potential Development | |
| a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? The planned activity includes the modification to an existing rooftop telecommunications facility. <u>No ground disturbance is proposed.</u> | |
| b. a. Total acreage of the site of the proposed action? | _____ acres |
| b. Total acreage to be physically disturbed? | _____ acres |
| c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? | _____ acres |
| c. Is the proposed action an expansion of an existing project or use? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % _____ Units: _____ | |
| d. Is the proposed action a subdivision, or does it include a subdivision? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| If Yes, | |
| i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types) _____ | |
| ii. Is a cluster/conservation layout proposed? <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| iii. Number of lots proposed? _____ | |
| iv. Minimum and maximum proposed lot sizes? Minimum _____ Maximum _____ | |
| e. Will the proposed action be constructed in multiple phases? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| i. If No, anticipated period of construction: _____ <1 months | |
| ii. If Yes: | |
| • Total number of phases anticipated | _____ |
| • Anticipated commencement date of phase 1 (including demolition) | _____ month _____ year |
| • Anticipated completion date of final phase | _____ month _____ year |
| • Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: _____ _____ _____ | |

| | | | | |
|--|-------------------|-------------------|---------------------|---------------------------------------|
| f. Does the project include new residential uses? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | |
| If Yes, show numbers of units proposed. | | | | |
| | <u>One Family</u> | <u>Two Family</u> | <u>Three Family</u> | <u>Multiple Family (four or more)</u> |
| Initial Phase | _____ | _____ | _____ | _____ |
| At completion | _____ | _____ | _____ | _____ |
| of all phases | _____ | _____ | _____ | _____ |

| | |
|---|--|
| g. Does the proposed action include new non-residential construction (including expansions)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| If Yes, | |
| i. Total number of structures _____ N/A | |
| ii. Dimensions (in feet) of largest proposed structure: _____ N/A height; _____ N/A width; and _____ N/A length | |
| iii. Approximate extent of building space to be heated or cooled: _____ N/A square feet | |

| | |
|---|--|
| h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| If Yes, | |
| i. Purpose of the impoundment: _____ | |
| ii. If a water impoundment, the principal source of the water: <input type="checkbox"/> Ground water <input type="checkbox"/> Surface water streams <input type="checkbox"/> Other specify: _____ | |
| iii. If other than water, identify the type of impounded/contained liquids and their source. _____ | |
| iv. Approximate size of the proposed impoundment. Volume: _____ million gallons; surface area: _____ acres | |
| v. Dimensions of the proposed dam or impounding structure: _____ height; _____ length | |
| vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete): _____ | |

D.2. Project Operations

| | |
|---|--|
| a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| (Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite) | |
| If Yes: | |
| i. What is the purpose of the excavation or dredging? _____ | |
| ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site? | |
| <ul style="list-style-type: none"> • Volume (specify tons or cubic yards): _____ • Over what duration of time? _____ | |
| iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them. _____ | |
| iv. Will there be onsite dewatering or processing of excavated materials? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| If yes, describe. _____ | |
| v. What is the total area to be dredged or excavated? _____ acres | |
| vi. What is the maximum area to be worked at any one time? _____ acres | |
| vii. What would be the maximum depth of excavation or dredging? _____ feet | |
| viii. Will the excavation require blasting? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| ix. Summarize site reclamation goals and plan: _____ | |
| _____ | |
| _____ | |

| | |
|---|--|
| b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| If Yes: | |
| i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): _____ | |
| _____ | |

ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:

iii. Will the proposed action cause or result in disturbance to bottom sediments? ☐ Yes ☒ No

If Yes, describe: _____

iv. Will the proposed action cause or result in the destruction or removal of aquatic vegetation? ☐ Yes ☒ No

If Yes:

- acres of aquatic vegetation proposed to be removed: _____
- expected acreage of aquatic vegetation remaining after project completion: _____
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): _____
- proposed method of plant removal: _____
- if chemical/herbicide treatment will be used, specify product(s): _____

v. Describe any proposed reclamation/mitigation following disturbance: _____

c. Will the proposed action use, or create a new demand for water? ☐ Yes ☒ No

If Yes:

i. Total anticipated water usage/demand per day: _____ gallons/day

ii. Will the proposed action obtain water from an existing public water supply? ☐ Yes ☒ No

If Yes:

- Name of district or service area: _____
- Does the existing public water supply have capacity to serve the proposal? ☐ Yes ☐ No
- Is the project site in the existing district? ☐ Yes ☐ No
- Is expansion of the district needed? ☐ Yes ☐ No
- Do existing lines serve the project site? ☐ Yes ☐ No

iii. Will line extension within an existing district be necessary to supply the project? ☐ Yes ☐ No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____
- Source(s) of supply for the district: _____

iv. Is a new water supply district or service area proposed to be formed to serve the project site? ☐ Yes ☒ No

If Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- Proposed source(s) of supply for new district: _____

v. If a public water supply will not be used, describe plans to provide water supply for the project: _____

vi. If water supply will be from wells (public or private), what is the maximum pumping capacity: _____ gallons/minute.

d. Will the proposed action generate liquid wastes? ☐ Yes ☒ No

If Yes:

i. Total anticipated liquid waste generation per day: _____ gallons/day

ii. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each): _____

iii. Will the proposed action use any existing public wastewater treatment facilities? ☐ Yes ☒ No

If Yes:

- Name of wastewater treatment plant to be used: _____
- Name of district: _____
- Does the existing wastewater treatment plant have capacity to serve the project? ☐ Yes ☐ No
- Is the project site in the existing district? ☐ Yes ☐ No
- Is expansion of the district needed? ☐ Yes ☐ No

| | |
|--|---|
| <ul style="list-style-type: none"> • Do existing sewer lines serve the project site? _____ • Will a line extension within an existing district be necessary to serve the project? _____ <p>If Yes:</p> <ul style="list-style-type: none"> • Describe extensions or capacity expansions proposed to serve this project: _____ | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <p>iv. Will a new wastewater (sewage) treatment district be formed to serve the project site? _____</p> <p>If Yes:</p> <ul style="list-style-type: none"> • Applicant/sponsor for new district: _____ • Date application submitted or anticipated: _____ • What is the receiving water for the wastewater discharge? _____ | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| <p>v. If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge or describe subsurface disposal plans): _____</p> <p>_____</p> | |
| <p>vi. Describe any plans or designs to capture, recycle or reuse liquid waste: _____</p> <p>_____</p> | |
| <p>e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction? _____</p> <p>If Yes:</p> <p>i. How much impervious surface will the project create in relation to total size of project parcel?</p> <p style="padding-left: 40px;">_____ Square feet or _____ acres (impervious surface)</p> <p style="padding-left: 40px;">_____ Square feet or _____ acres (parcel size)</p> <p>ii. Describe types of new point sources. _____</p> <p>_____</p> <p>iii. Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)? _____</p> <p>_____</p> <ul style="list-style-type: none"> • If to surface waters, identify receiving water bodies or wetlands: _____ _____ • Will stormwater runoff flow to adjacent properties? _____ | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <p>f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations? _____</p> <p>If Yes, identify:</p> <p>i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)</p> <p style="padding-left: 40px;">Temporary construction/fleet vehicles _____</p> <p>ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)</p> <p style="padding-left: 40px;">N/A _____</p> <p>iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)</p> <p style="padding-left: 40px;">N/A _____</p> | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <p>g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit? _____</p> <p>If Yes:</p> <p>i. Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year) _____</p> <p>ii. In addition to emissions as calculated in the application, the project will generate:</p> <ul style="list-style-type: none"> • _____ Tons/year (short tons) of Carbon Dioxide (CO₂) • _____ Tons/year (short tons) of Nitrous Oxide (N₂O) • _____ Tons/year (short tons) of Perfluorocarbons (PFCs) • _____ Tons/year (short tons) of Sulfur Hexafluoride (SF₆) • _____ Tons/year (short tons) of Carbon Dioxide equivalent of Hydrofluorocarbons (HFCs) • _____ Tons/year (short tons) of Hazardous Air Pollutants (HAPs) | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No |

| | | | |
|---|---|--|---|
| <p>h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p>i. Estimate methane generation in tons/year (metric): _____</p> <p>ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____</p> | | | |
| <p>i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust): _____</p> | | | |
| <p>j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p>i. When is the peak traffic expected (Check all that apply): <input type="checkbox"/> Morning <input type="checkbox"/> Evening <input type="checkbox"/> Weekend <input type="checkbox"/> Randomly between hours of _____ to _____.</p> <p>ii. For commercial activities only, projected number of truck trips/day and type (e.g., semi trailers and dump trucks): _____</p> <p>iii. Parking spaces: Existing _____ Proposed _____ Net increase/decrease _____</p> <p>iv. Does the proposed action include any shared use parking? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe: _____</p> <p>vi. Are public/private transportation service(s) or facilities available within ½ mile of the proposed site? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>vii. Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> | | | |
| <p>k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p>i. Estimate annual electricity demand during operation of the proposed action: _____</p> <p>ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other): _____</p> <p>iii. Will the proposed action require a new, or an upgrade, to an existing substation? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> | | | |
| <p>l. Hours of operation. Answer all items which apply.</p> <table style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>i. During Construction:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ Normal business hours • Saturday: _____ • Sunday: _____ • Holidays: _____ </td> <td style="width: 50%; vertical-align: top;"> <p>ii. During Operations:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ Unmanned operation 24 hours/day • Saturday: _____ Unmanned operation 24 hours/day • Sunday: _____ Unmanned operation 24 hours/day • Holidays: _____ Unmanned operation 24 hours/day </td> </tr> </table> | | <p>i. During Construction:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ Normal business hours • Saturday: _____ • Sunday: _____ • Holidays: _____ | <p>ii. During Operations:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ Unmanned operation 24 hours/day • Saturday: _____ Unmanned operation 24 hours/day • Sunday: _____ Unmanned operation 24 hours/day • Holidays: _____ Unmanned operation 24 hours/day |
| <p>i. During Construction:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ Normal business hours • Saturday: _____ • Sunday: _____ • Holidays: _____ | <p>ii. During Operations:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ Unmanned operation 24 hours/day • Saturday: _____ Unmanned operation 24 hours/day • Sunday: _____ Unmanned operation 24 hours/day • Holidays: _____ Unmanned operation 24 hours/day | | |

| | |
|--|--|
| <p>m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes:</p> <p>i. Provide details including sources, time of day and duration:</p> <p>_____</p> | |
| <p>ii. Will the proposed action remove existing natural barriers that could act as a noise barrier or screen? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Describe: _____</p> <p>_____</p> | |
| <p>n. Will the proposed action have outdoor lighting? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes:</p> <p>i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:</p> <p>A maintenance light is not detailed, but is noted in the electrical schematics of the construction drawings. This light is off, with the exception of when night maintenance operations are required.</p> | |
| <p>ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Describe: _____</p> <p>_____</p> | |
| <p>o. Does the proposed action have the potential to produce odors for more than one hour per day? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures:</p> <p>_____</p> <p>_____</p> | |
| <p>p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p>i. Product(s) to be stored _____</p> <p>ii. Volume(s) _____ per unit time _____ (e.g., month, year)</p> <p>iii. Generally, describe the proposed storage facilities: _____</p> <p>_____</p> | |
| <p>q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p>i. Describe proposed treatment(s):</p> <p>_____</p> <p>_____</p> <p>_____</p> | |
| <p>ii. Will the proposed action use Integrated Pest Management Practices? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> | |
| <p>r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p>i. Describe any solid waste(s) to be generated during construction or operation of the facility:</p> <ul style="list-style-type: none"> • Construction: _____ tons per _____ (unit of time) • Operation : _____ tons per _____ (unit of time) <p>ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:</p> <ul style="list-style-type: none"> • Construction: _____ • Operation: _____ <p>iii. Proposed disposal methods/facilities for solid waste generated on-site:</p> <ul style="list-style-type: none"> • Construction: _____ • Operation: _____ | |

s. Does the proposed action include construction or modification of a solid waste management facility? ☐ Yes ☒ No

If Yes:

i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): _____

ii. Anticipated rate of disposal/processing:

- _____ Tons/month, if transfer or other non-combustion/thermal treatment, or
- _____ Tons/hour, if combustion or thermal treatment

iii. If landfill, anticipated site life: _____ years

t. Will the proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste? ☐ Yes ☒ No

If Yes:

i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: _____

ii. Generally describe processes or activities involving hazardous wastes or constituents: _____

iii. Specify amount to be handled or generated _____ tons/month

iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: _____

v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility? ☐ Yes ☒ No

If Yes: provide name and location of facility: _____

If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility: _____

E. Site and Setting of Proposed Action

E.1. Land uses on and surrounding the project site

a. Existing land uses.

i. Check all uses that occur on, adjoining and near the project site.

☐ Urban ☐ Industrial ☒ Commercial ☐ Residential (suburban) ☐ Rural (non-farm)

☐ Forest ☐ Agriculture ☐ Aquatic ☒ Other (specify): Telecommunications Facility

ii. If mix of uses, generally describe:

Hospital complex with a telecommunications facility on the building rooftop.

b. Land uses and covertypes on the project site.

| Land use or Covertype | Current Acreage | Acreage After Project Completion | Change (Acres +/-) |
|--|-----------------|----------------------------------|--------------------|
| • Roads, buildings, and other paved or impervious surfaces | <0.01 | <0.01 | 0 |
| • Forested | 0 | 0 | 0 |
| • Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural) | 0 | 0 | 0 |
| • Agricultural (includes active orchards, field, greenhouse etc.) | 0 | 0 | 0 |
| • Surface water features (lakes, ponds, streams, rivers, etc.) | 0 | 0 | 0 |
| • Wetlands (freshwater or tidal) | 0 | 0 | 0 |
| • Non-vegetated (bare rock, earth or fill) | 0 | 0 | 0 |
| • Other Describe: <u>N/A</u> | 0 | 0 | 0 |

c. Is the project site presently used by members of the community for public recreation? ☐ Yes ☒ No
i. If Yes: explain: _____

d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site? ☒ Yes ☐ No
If Yes,
i. Identify Facilities: _____
St. Anthony Community Hospital, Warwick Day Care Center, and Schervier Pavilion

e. Does the project site contain an existing dam? ☐ Yes ☒ No
If Yes:
i. Dimensions of the dam and impoundment:
• Dam height: _____ feet
• Dam length: _____ feet
• Surface area: _____ acres
• Volume impounded: _____ gallons OR acre-feet
ii. Dam's existing hazard classification: _____
iii. Provide date and summarize results of last inspection: _____

f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility? ☐ Yes ☒ No
If Yes:
i. Has the facility been formally closed? ☐ Yes ☐ No
• If yes, cite sources/documentation: _____
ii. Describe the location of the project site relative to the boundaries of the solid waste management facility: _____

iii. Describe any development constraints due to the prior solid waste activities: _____

g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste? ☐ Yes ☒ No
If Yes:
i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred: _____

h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site? ☐ Yes ☒ No
If Yes:
i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply: ☐ Yes ☐ No
☐ Yes – Spills Incidents database Provide DEC ID number(s): _____
☐ Yes – Environmental Site Remediation database Provide DEC ID number(s): _____
☐ Neither database
ii. If site has been subject of RCRA corrective activities, describe control measures: _____

iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? ☒ Yes ☐ No
If yes, provide DEC ID number(s): 336003, 336061
iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):
Georgia Pacific Corp. (336003) - Classification A - Assigned to a non-registry site in any remedial project where work is underway/not completed.
New Grange Properties (336061) - Classification C - Remediation has been satisfactorily completed under a remedial program.

| | |
|--|--|
| <p>m. Identify the predominant wildlife species that occupy or use the project site: _____ Normal suburban wildlife. _____ _____</p> | |
| <p>n. Does the project site contain a designated significant natural community? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes: i. Describe the habitat/community (composition, function, and basis for designation): _____ NOTE: Rooftop facility. As such, the project will include no ground disturbing activities. Further, in response to o.i., below, no tree removal proposed. ii. Source(s) of description or evaluation: _____ iii. Extent of community/habitat: _____ • Currently: _____ acres • Following completion of project as proposed: _____ acres • Gain or loss (indicate + or -): _____ acres</p> | |
| <p>o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes: i. Species and listing (endangered or threatened): _____ Indiana Bat _____ _____</p> | |
| <p>p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes: i. Species and listing: _____ No ground disturbance is proposed for the maintenance of the existing rooftop facility. _____</p> | |
| <p>q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, give a brief description of how the proposed action may affect that use: _____ No ground disturbance is proposed for the maintenance of the existing rooftop facility. _____</p> | |
| <p>E.3. Designated Public Resources On or Near Project Site</p> | |
| <p>a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, provide county plus district name/number: _____</p> | |
| <p>b. Are agricultural lands consisting of highly productive soils present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No i. If Yes: acreage(s) on project site? _____ ii. Source(s) of soil rating(s): _____</p> | |
| <p>c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes: i. Nature of the natural landmark: <input type="checkbox"/> Biological Community <input type="checkbox"/> Geological Feature ii. Provide brief description of landmark, including values behind designation and approximate size/extent: _____ _____</p> | |
| <p>d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes: i. CEA name: _____ ii. Basis for designation: No ground disturbance is proposed for the maintenance of the existing rooftop facility. iii. Designating agency and date: _____</p> | |

| | |
|---|--|
| e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| If Yes: <ul style="list-style-type: none"> i. Nature of historic/archaeological resource: <input type="checkbox"/> Archaeological Site <input checked="" type="checkbox"/> Historic Building or District ii. Name: <u>Warwick Village Historic District</u> iii. Brief description of attributes on which listing is based: <u>The property is located within the NRHP-listed Warwick Village Historic District. The property also houses the NRHP-listed Grinnel Burt House.</u> | |
| f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| g. Have additional archaeological or historic site(s) or resources been identified on the project site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| If Yes: <ul style="list-style-type: none"> i. Describe possible resource(s): <u>The property also houses the NRHP-listed Grinnel Burt House.</u> ii. Basis for identification: <u>Depicted on the SHPO's CRIS GIS Map.</u> | |
| h. Is the project site within five miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| If Yes: <ul style="list-style-type: none"> i. Identify resource: <u>Wawayanda State Park, Appalachian Trail, Black Bear RV Park, Stanley Deming Park, Warwick Skate Park,</u> ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): <u>State or local parks, state historic trail</u> <u>No ground disturbance is proposed for the maintenance of the existing rooftop facility.</u> iii. Distance between project and resource: <u>Between 0.62 and 4.7 miles.</u> | |
| i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| If Yes: <ul style="list-style-type: none"> i. Identify the name of the river and its designation: _____ ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666? <input type="checkbox"/> Yes <input type="checkbox"/> No | |

F. Additional Information

Attach any additional information which may be needed to clarify your project.

If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

G. Verification

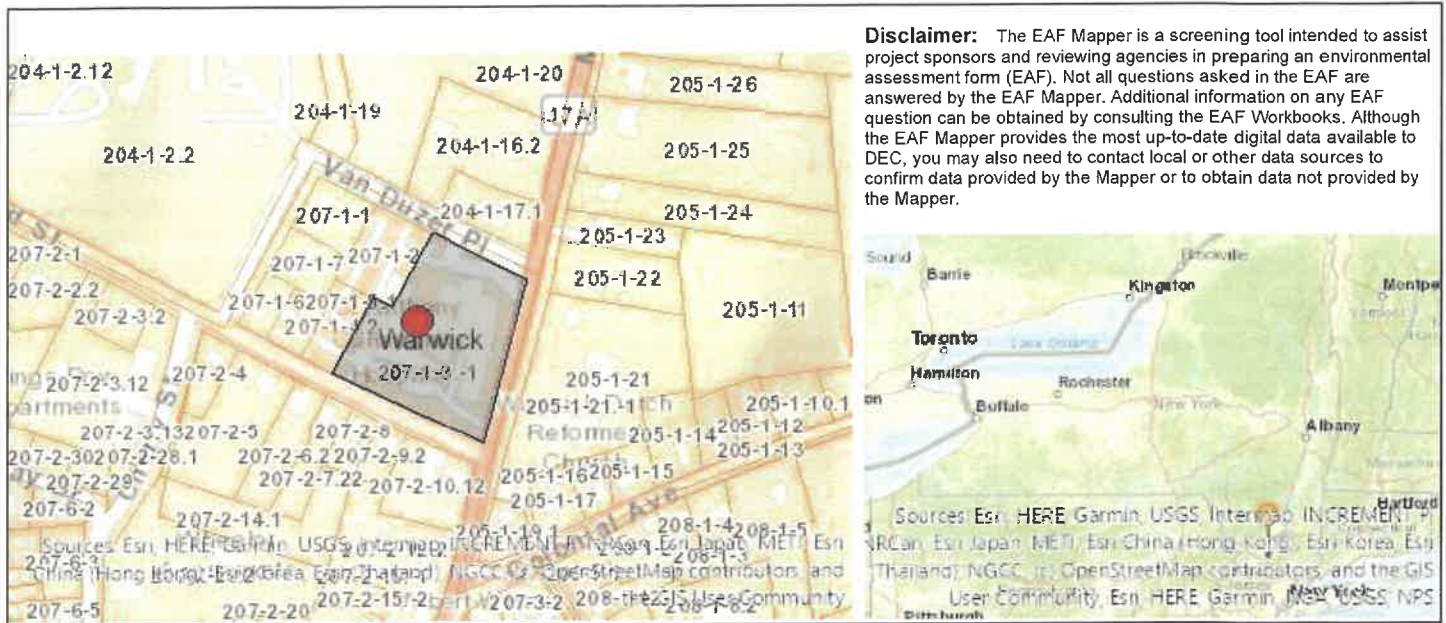
I certify that the information provided is true to the best of my knowledge.

Applicant/Sponsor Name Andrew J. Rice Date 2025-07-21

Signature  Title Project Manager

EAF Mapper Summary Report

Tuesday, July 15, 2025 10:47 AM



| | |
|--|--|
| B.i.i [Coastal or Waterfront Area] | No |
| B.i.ii [Local Waterfront Revitalization Area] | No |
| C.2.b. [Special Planning District] | Digital mapping data are not available or are incomplete. Refer to EAF Workbook. |
| E.1.h [DEC Spills or Remediation Site - Potential Contamination History] | Digital mapping data are not available or are incomplete. Refer to EAF Workbook. |
| E.1.h.i [DEC Spills or Remediation Site - Listed] | Digital mapping data are not available or are incomplete. Refer to EAF Workbook. |
| E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database] | Digital mapping data are not available or are incomplete. Refer to EAF Workbook. |
| E.1.h.iii [Within 2,000' of DEC Remediation Site] | Yes |
| E.1.h.iii [Within 2,000' of DEC Remediation Site - DEC ID] | 336003, 336061 |
| E.2.g [Unique Geologic Features] | No |
| E.2.h.i [Surface Water Features] | Digital mapping data are not available or are incomplete. Refer to EAF Workbook. |
| E.2.h.ii [Surface Water Features] | Yes - Digital mapping information on local, New York State, and federal wetlands and waterbodies is known to be incomplete. Refer to the EAF Workbook. |
| E.2.h.iii [Surface Water Features] | Yes - Digital mapping information on local, New York State, and federal wetlands and waterbodies is known to be incomplete. Refer to the EAF Workbook. |
| E.2.h.v [Impaired Water Bodies] | No |
| E.2.i. [Floodway] | No |
| E.2.j. [100 Year Floodplain] | No |
| E.2.k. [500 Year Floodplain] | No |

| | |
|---|---|
| E.2.i. [Aquifers] | Yes |
| E.2.i. [Aquifer Names] | Principal Aquifer, Sole Source Aquifer Names:Northwest NJ 15 Basin SSA |
| E.2.n. [Natural Communities] | No |
| E.2.o. [Endangered or Threatened Species] | Yes |
| E.2.o. [Endangered or Threatened Species - Name] | Indiana Bat |
| E.2.p. [Rare Plants or Animals] | No |
| E.3.a. [Agricultural District] | No |
| E.3.c. [National Natural Landmark] | No |
| E.3.d [Critical Environmental Area] | No |
| E.3.e. [National or State Register of Historic Places or State Eligible Sites] | Yes - Digital mapping data for archaeological site boundaries are not available. Refer to EAF Workbook. |
| E.3.e.ii [National or State Register of Historic Places or State Eligible Sites - Name] | Warwick Village Historic District |
| E.3.f. [Archeological Sites] | Yes |
| E.3.i. [Designated River Corridor] | No |

April 15, 2025

Re: NY10253B T-Mobile Special Permit Renewal
17 Maple Avenue
Warwick, NY 10990

To: Village of Warwick Planning Board,

PierCon Solutions LLC, an engineering firm specializing in wireless communications, performed an independent analysis regarding the radiofrequency engineering aspects of the proposal by T-Mobile Northeast, LLC to continue operating a wireless telecommunications facility at 17 Maple Avenue, Warwick, New York. T-Mobile is licensed by the FCC to provide 5G and LTE data and voice services in the 600 MHz, 700 MHz, 1900 MHz, 2100 MHz, and 2500 MHz frequency bands.

Currently, T-Mobile provides reliable service to the Village of Warwick with the wireless communications site NY10253B, located at 17 Maple Avenue, Warwick, New York. This facility supports the installation on a 79' rooftop with other telecommunications carriers. This site provides reliable in-building coverage in the mid-band to an area of 2.14 square miles, providing service to 3,570 people. Additionally, this site provides reliable in-building coverage in the low band to an area of 7.65 square miles, providing service to 6,797 people. Most of this coverage is within the boundaries of the Village of Warwick for both the low band and the mid-band. This coverage offers service to St. Anthony Community Hospital, the Village of Warwick's Central Business area, and surrounding residential areas.

Six exhibits are attached in support of this application:

Exhibit A: T-Mobile Existing 2100 MHz LTE Coverage - Exhibit A illustrates T-Mobile's existing sites' mid-band service provided to the area.

Exhibit B: T-Mobile Existing 2100 MHz LTE Coverage without NY10253B - Exhibit B illustrates the gap in T-Mobile's existing mid-band service without the subject site.

Exhibit C: T-Mobile Existing 2100 MHz LTE Coverage NY10253B Only - Exhibit C illustrates T-Mobile's existing mid-band service provided by the subject site to the area.

Exhibit D: T-Mobile Existing 700 MHz LTE Coverage - Exhibit D illustrates T-Mobile's existing site's low band service provided to the area.

Exhibit E: T-Mobile Existing 700 MHz LTE Coverage without NY10253B - Exhibit E illustrates the gap in T-Mobile's existing low band service without the subject site.

Exhibit F: T-Mobile Existing 700 MHz LTE Coverage NY10253B Only - Exhibit F illustrates T-Mobile's existing low band service provided by the subject site to the area.

Exhibit G: T-Mobile FCC Licenses - Exhibit G contains T-Mobile's FCC licenses for the 600 MHz, 700 MHz, 1900 MHz, 2100 MHz, and 2500 MHz bands.

If you have any questions regarding the report, please feel free to contact me. Thank you for your time in reviewing the application.

Regards,



Ryan Martin
Associate RF Engineer
PierCon Solutions LLC
Date: April 15, 2025



Registered Professional Engineer
New York License Number 79144



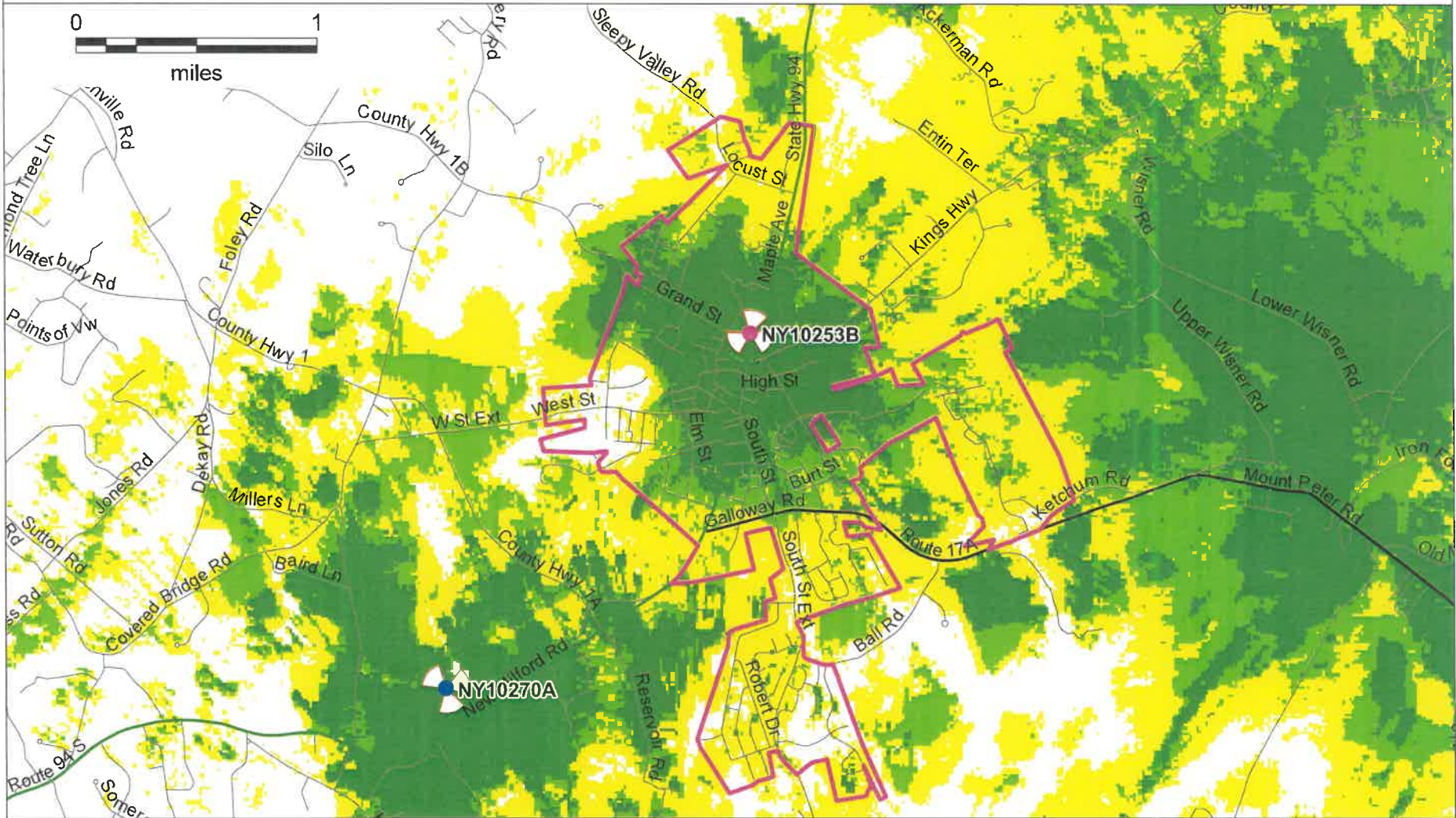
Report Reviewed By:



Daniel Czech
RF Engineer
PierCon Solutions LLC
Date: April 15, 2025

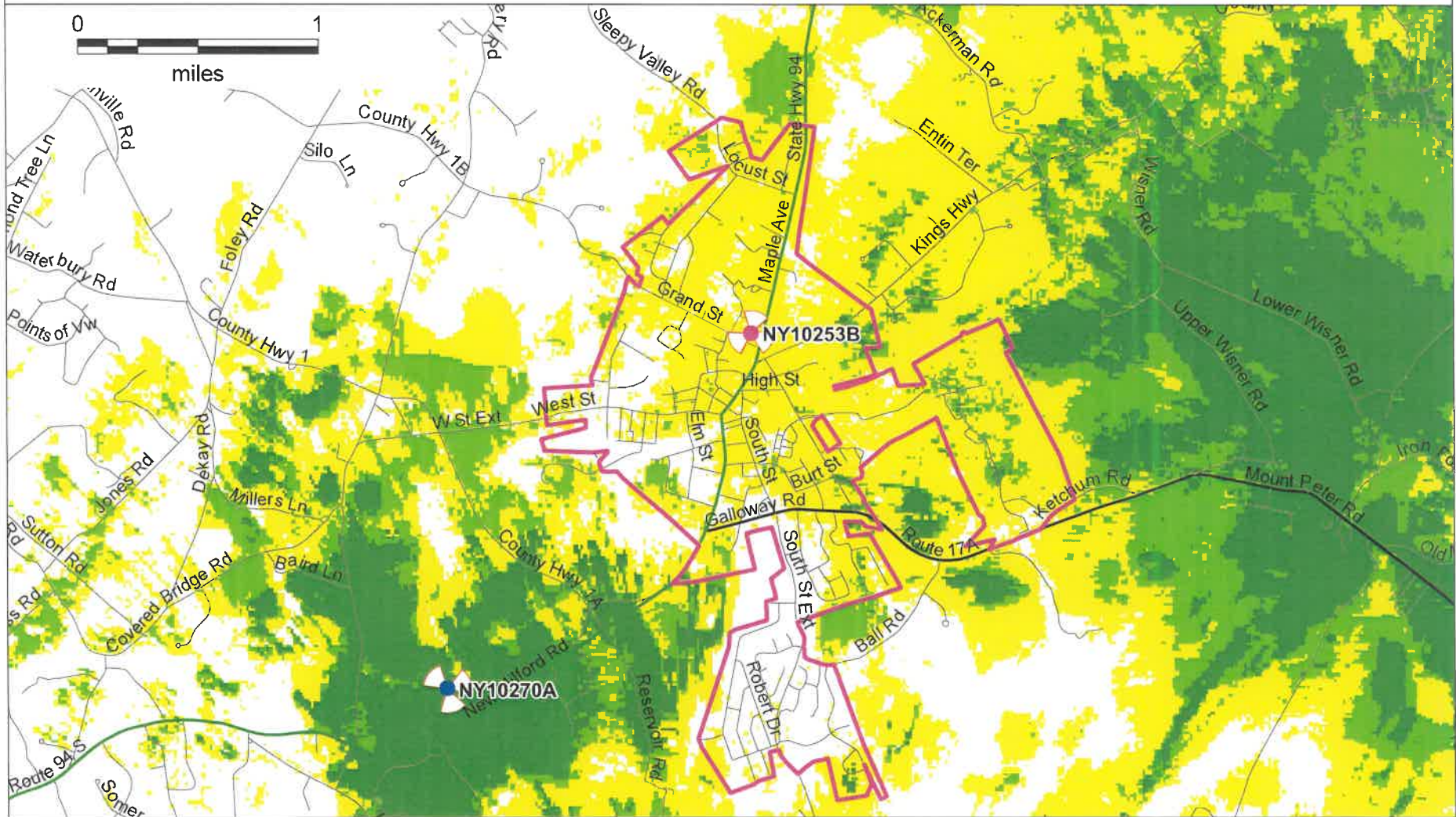
Exhibit A

T-MOBILE EXISTING 2100 MHz LTE COVERAGE



Prepared by PierCon Solutions LLC

T-MOBILE **EXISTING 2100 MHz LTE COVERAGE WITHOUT NY10253B**



● Existing Macro On Air Site

● Subject Site

□ Village of Warwick Boundary

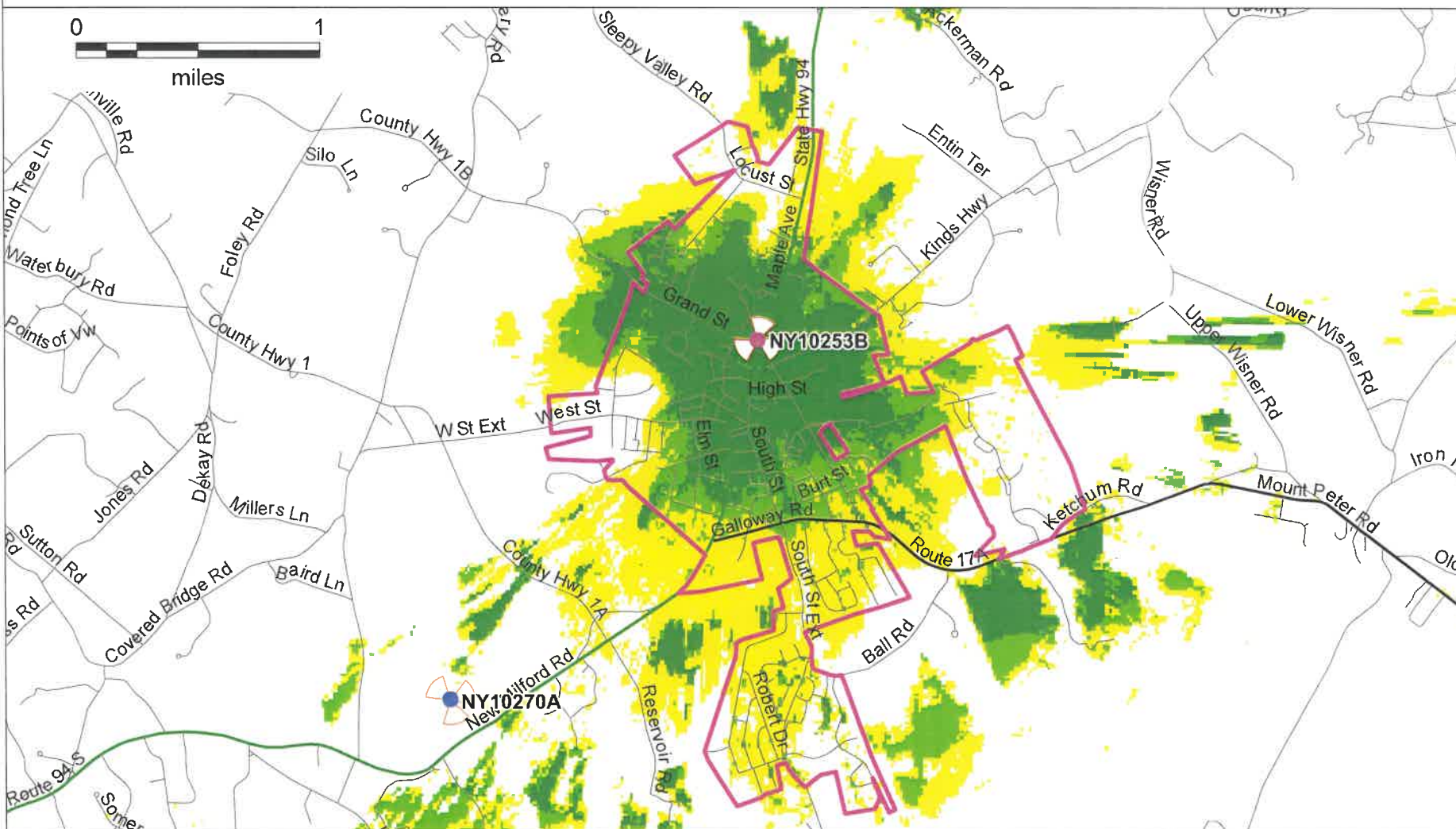
■ ≥ -95 dBm RSRP Inbuilding Commercial Service

■ ≥ -100 dBm RSRP Inbuilding Residential Service

■ ≥ -108 dBm RSRP In-vehicle Service

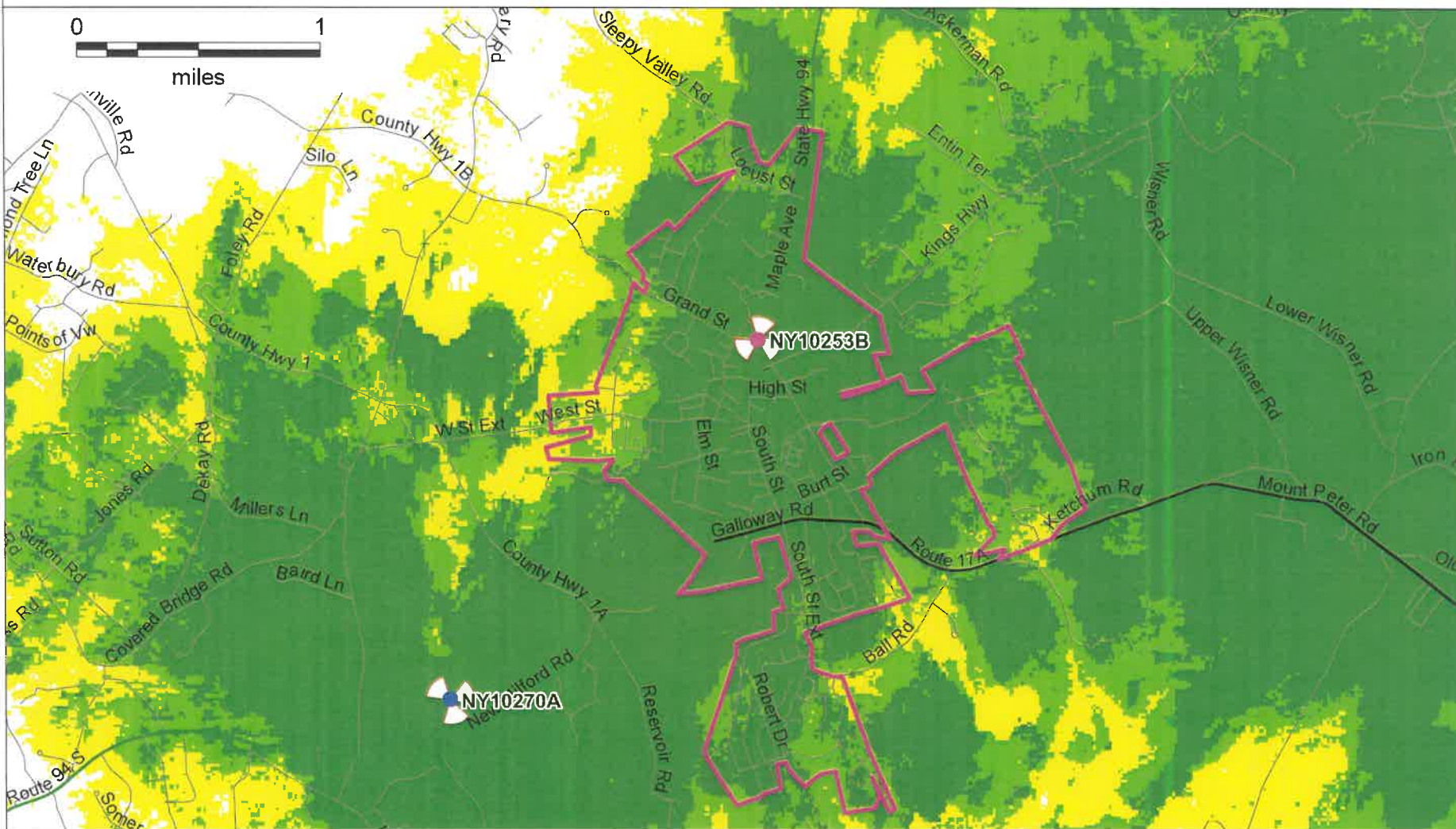


T-MOBILE EXISTING 2100 MHz LTE COVERAGE NY10253B ONLY



- Existing Macro On Air Site
- Subject Site
- Village of Warwick Boundary
- ≥ -95 dBm RSRP Inbuilding Commercial Service
- ≥ -100 dBm RSRP Inbuilding Residential Service
- ≥ -108 dBm RSRP In-vehicle Service

T-MOBILE EXISTING 700 MHz LTE COVERAGE



● Existing Macro On Air Site

● Subject Site

□ Village of Warwick Boundary

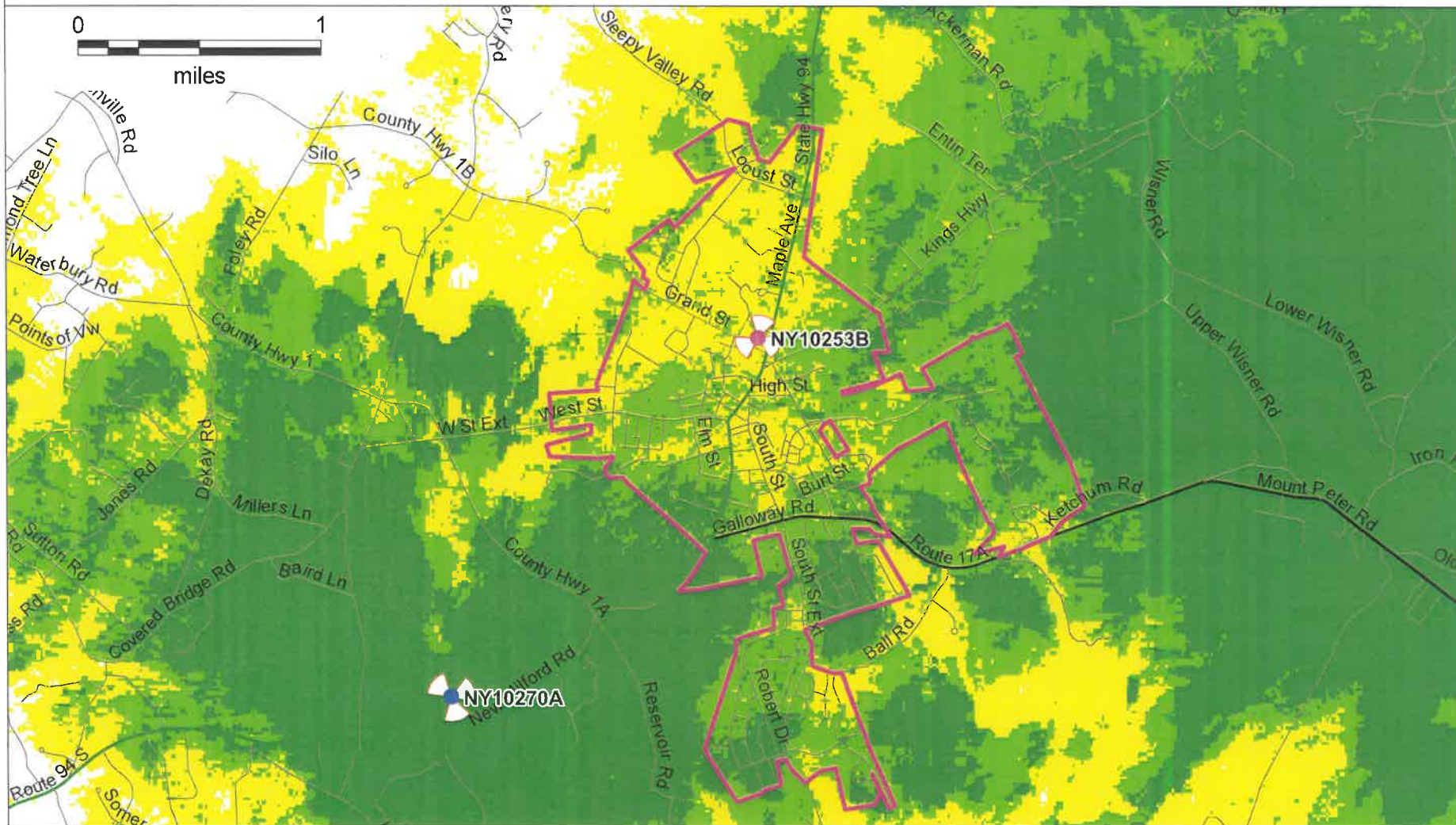
■ ≥ -94 dBm RSRP Inbuilding Commercial Service

■ ≥ -99 dBm RSRP Inbuilding Residential Service

■ ≥ -107 dBm RSRP In-vehicle Service



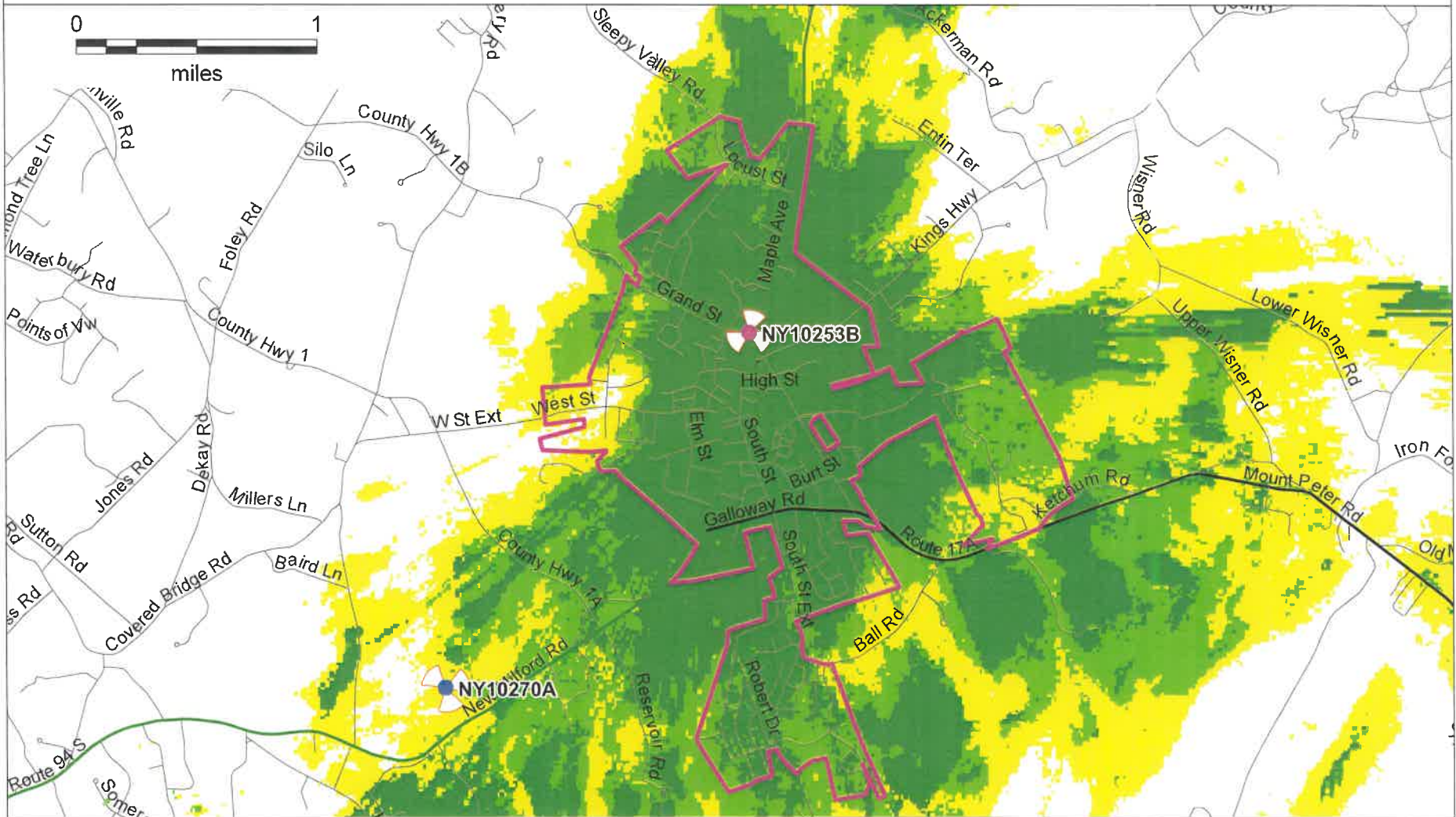
T-MOBILE EXISTING 700 MHz LTE COVERAGE WITHOUT NY10253B



- | | |
|--|--|
| ● Existing Macro On Air Site | ≥ -94 dBm RSRP Inbuilding Commercial Service |
| ● Subject Site | ≥ -99 dBm RSRP Inbuilding Residential Service |
| Village of Warwick Boundary | ≥ -107 dBm RSRP In-vehicle Service |



T-MOBILE EXISTING 700 MHz LTE COVERAGE NY10253B ONLY



- Existing Macro On Air Site
- Subject Site
- Village of Warwick Boundary
- ≥ -94 dBm RSRP Inbuilding Commercial Service
- ≥ -99 dBm RSRP Inbuilding Residential Service
- ≥ -107 dBm RSRP In-vehicle Service



Exhibit G

ULS License

600 MHz Band License - WQZL490 - Nextel West Corp.

| | | | |
|-----------|---------|---------------|-------------------|
| Call Sign | WQZL490 | Radio Service | WT - 600 MHz Band |
| Status | Active | Auth Type | Regular |

Rural Service Provider Bidding Credit

| | |
|---|----|
| Is the Applicant seeking a Rural Service Provider (RSP) bidding credit? | No |
|---|----|

Reserved Spectrum

| | |
|-------------------|-----|
| Reserved Spectrum | Yes |
|-------------------|-----|

Market

| | | | |
|-----------|-----------------------|------------------------------|---|
| Market | PEA001 - New York, NY | Channel Block | C |
| Submarket | 0 | Associated Frequencies (MHz) | 000627.00000000-000632.00000000-000673.00000000-000678.00000000 |

| | |
|----------------------|------------------------|
| 3.7 GHz License Type | 3.7 GHz Linked License |
|----------------------|------------------------|

Dates

| | | | |
|-----------|------------|--------------|------------|
| Grant | 06/14/2017 | Expiration | 06/14/2029 |
| Effective | 10/18/2022 | Cancellation | |

Buildout Deadlines

| | | | |
|-----|------------|-----|------------|
| 1st | 06/14/2023 | 2nd | 06/14/2029 |
|-----|------------|-----|------------|

Discontinuance Dates

| | |
|-----|-----|
| 1st | 2nd |
|-----|-----|

Notification Dates

| | | | |
|-----|------------|-----|------------|
| 1st | 04/27/2023 | 2nd | 04/27/2023 |
|-----|------------|-----|------------|

ECIP Information

| | |
|--|---------------------------|
| ECIP Flag | |
| Small Carrier or Tribal Nation Transaction | Rural-Focused Transaction |

ECIP Dates

| | |
|------------------------------|----------------------------|
| 5-Year Holding Period Begins | 5-Year Holding Period Ends |
|------------------------------|----------------------------|

Required Operational Filing Dates

| | | |
|---------------------------|--------------------|-----------------|
| IORN Operation Begin Date | FORN Deadline Date | FORN Filed Date |
|---------------------------|--------------------|-----------------|

Licensee

| | | | |
|-----|------------|------|-------------|
| FRN | 0001608363 | Type | Corporation |
|-----|------------|------|-------------|

Licensee

Nextel West Corp.
12920 SE 38th Street
Bellevue, WA 98006
ATTN FCC Regulatory Compliance

P:(425)383-8401
F:(425)383-4840
E:FCCRegulatoryComplianceContact@T-Mobile.com

Contact

Nextel West Corp.

12920 SE 38th Street
Bellevue, WA 98006
ATTN FCC Regulatory Compliance

P:(425)383-8401
F:(425)383-4840
E:FCCRegulatoryComplianceContact@T-Mobile.com

Ownership and Qualifications

Radio Service Type Mobile

Regulatory Status Common Carrier Interconnected Yes

Alien Ownership

Is the applicant a foreign government or the representative of any foreign government? No

Is the applicant an alien or the representative of an alien? No

Is the applicant a corporation organized under the laws of any foreign government? No

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? No

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? Yes

The Applicant has received a declaratory ruling(s) approving its foreign ownership, and the application involves only the acquisition of additional spectrum for the provision of a wireless service in a geographic coverage area for which the Applicant has been previously authorized. ✓

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 - WQJQ696 - Nextel West Corp.

| | | | |
|-----------|---------|---------------|---|
| Call Sign | WQJQ696 | 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 | A |
| Submarket | 0 | Associated Frequencies (MHz) | 000698.00000000-000704.00000000-000728.00000000-000734.00000000 |

3.7 GHz License Type

3.7 GHz Linked License

Dates

| | | | |
|-----------|------------|--------------|------------|
| Grant | 07/03/2019 | Expiration | 06/13/2029 |
| Effective | 10/18/2022 | Cancellation | |

Buildout Deadlines

| | | |
|-----|-----|------------|
| 1st | 2nd | 06/13/2019 |
|-----|-----|------------|

Discontinuance Dates

| | |
|-----|-----|
| 1st | 2nd |
|-----|-----|

Notification Dates

| | | |
|-----|-----|------------|
| 1st | 2nd | 05/03/2019 |
|-----|-----|------------|

ECIP Information

ECIP Flag

Small Carrier or Tribal Nation Transaction

Rural-Focused Transaction

ECIP Dates

5-Year Holding Period Begins

5-Year Holding Period Ends

Required Operational Filing Dates

| | | |
|---------------------------|--------------------|-----------------|
| IORN Operation Begin Date | FORN Deadline Date | FORN Filed Date |
|---------------------------|--------------------|-----------------|

Licensee

FRN 0001608363 Type Corporation

Licensee

Nextel West Corp. P:(425)383-8401
12920 SE 38th Street F:(425)383-4840
Bellevue, WA 98006 E:FCCRegulatoryComplianceContact@T-Mobile.com
ATTN FCC Regulatory Compliance

Contact

Nextel West Corp. P:(425)383-8401
F:(425)383-4840
E:FCCRegulatoryComplianceContact@T-Mobile.com
12920 SE 38th Street
Bellevue, WA 98006
ATTN FCC Regulatory Compliance

Ownership and Qualifications

Radio Service Type Mobile

Regulatory Status Common Carrier Interconnected Yes

Alien Ownership

Is the applicant a foreign government or the representative of any foreign government? No

Is the applicant an alien or the representative of an alien? No

Is the applicant a corporation organized under the laws of any foreign government? No

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? No

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? Yes

The Applicant has received a declaratory ruling(s) approving its foreign ownership, and the application involves only the acquisition of additional spectrum for the provision of a wireless service in a geographic coverage area for which the Applicant has been previously authorized. ✓

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

PCS Broadband License - KNLF202 - Nextel West Corp.

 This license has pending applications: 0011452302

| | | | |
|-----------|---------|---------------|--------------------|
| Call Sign | KNLF202 | 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 | MTA001 - New York | Channel Block | A |
| Submarket | 57 | Associated Frequencies (MHz) | 001850.00000000-001865.00000000-001930.00000000-001945.00000000 |

| | |
|----------------------|------------------------|
| 3.7 GHz License Type | 3.7 GHz Linked License |
|----------------------|------------------------|

Dates

| | | | |
|-----------|------------|--------------|------------|
| Grant | 12/11/2024 | Expiration | 12/14/2034 |
| Effective | 12/11/2024 | Cancellation | |

Buildout Deadlines

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

Discontinuance Dates

| | |
|-----|-----|
| 1st | 2nd |
|-----|-----|

Notification Dates

| | | | |
|-----|------------|-----|------------|
| 1st | 04/01/1999 | 2nd | 04/01/1999 |
|-----|------------|-----|------------|

ECIP Information

| | |
|--|---------------------------|
| ECIP Flag | |
| Small Carrier or Tribal Nation Transaction | Rural-Focused Transaction |

ECIP Dates

| | |
|------------------------------|----------------------------|
| 5-Year Holding Period Begins | 5-Year Holding Period Ends |
|------------------------------|----------------------------|

Required Operational Filing Dates

| | | |
|---------------------------|--------------------|-----------------|
| IORN Operation Begin Date | FORN Deadline Date | FORN Filed Date |
|---------------------------|--------------------|-----------------|

FRN 0001608363

Type Corporation

Licensee

Nextel West Corp.
12920 SE 38th Street
Bellevue, WA 98006

P:(425)383-8401
F:(425)383-4840
E:FCCRegulatoryComplianceContact@T-Mobile.com

Contact

Nextel West Corp

12920 SE 38th Street
Bellevue, WA 98006
ATTN FCC Regulatory Compliance

P:(425)383-8401
F:(425)383-4840
E:FCCRegulatoryComplianceContact@T-Mobile.com

Ownership and Qualifications

Radio Service Type Mobile

Regulatory Status Common Carrier Interconnected Yes

Alien Ownership

Is the applicant a foreign government or the representative of any foreign government? No

Is the applicant an alien or the representative of an alien? No

Is the applicant a corporation organized under the laws of any foreign government? No

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? No

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? Yes

The Applicant has received a declaratory ruling(s) approving its foreign ownership, and the application involves only the acquisition of additional spectrum for the provision of a wireless service in a geographic coverage area for which the Applicant has been previously authorized. ✓

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

AWS (1710-1755 MHz and 2110-2155 MHz) License - WQGA725 - Nextel West Corp.

| | | | |
|-----------|---------|---------------|--|
| Call Sign | WQGA725 | Radio Service | AW - AWS (1710-1755 MHz and 2110-2155 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 | C |
| Submarket | 17 | Associated Frequencies (MHz) | 001730.00000000-001735.00000000-002130.00000000-002135.00000000 |

| | |
|----------------------|------------------------|
| 3.7 GHz License Type | 3.7 GHz Linked License |
|----------------------|------------------------|

Dates

| | | | |
|-----------|------------|--------------|------------|
| Grant | 02/02/2022 | Expiration | 11/29/2036 |
| Effective | 10/18/2022 | Cancellation | |

Buildout Deadlines

| | |
|-----|-----|
| 1st | 2nd |
|-----|-----|

Discontinuance Dates

| | |
|-----|-----|
| 1st | 2nd |
|-----|-----|

Notification Dates

| | | |
|-----|-----|------------|
| 1st | 2nd | 11/17/2021 |
|-----|-----|------------|

ECIP Information

| | |
|--|---------------------------|
| ECIP Flag | |
| Small Carrier or Tribal Nation Transaction | Rural-Focused Transaction |

ECIP Dates

| | |
|------------------------------|----------------------------|
| 5-Year Holding Period Begins | 5-Year Holding Period Ends |
|------------------------------|----------------------------|

Required Operational Filing Dates

| | | |
|---------------------------|--------------------|-----------------|
| IORN Operation Begin Date | FORN Deadline Date | FORN Filed Date |
|---------------------------|--------------------|-----------------|

Licensee

| | | | |
|-----|------------|------|-------------|
| FRN | 0001608363 | Type | Corporation |
|-----|------------|------|-------------|

Licensee

| | |
|---|---|
| Nextel West Corp. 12920 SE 38th Street Bellevue, WA 98006 ATTN FCC Regulatory Compliance | P:(425)383-8401 F:(425)383-4840 E:FCCRegulatoryComplianceContact@T-Mobile.com |
|---|---|

Contact

| | |
|---|---|
| Nextel West Corp. 12920 SE 38th Street Bellevue, WA 98006 ATTN FCC Regulatory Compliance | P:(425)383-8401 F:(425)383-4840 E:FCCRegulatoryComplianceContact@T-Mobile.com |
|---|---|

Ownership and Qualifications

| | |
|--------------------|----------------|
| Radio Service Type | Mobile |
| Regulatory Status | Common Carrier |
| Interconnected | Yes |

Alien Ownership

| | |
|---|-----|
| Is the applicant a foreign government or the representative of any foreign government? | No |
| Is the applicant an alien or the representative of an alien? | No |
| Is the applicant a corporation organized under the laws of any foreign government? | No |
| 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? | No |
| 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? | Yes |
| The Applicant has received a declaratory ruling(s) approving its foreign ownership, and the application involves only the acquisition of additional spectrum for the provision of a wireless service in a geographic coverage area for which the Applicant has been previously authorized. ✓ | |

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 |

Broadband Radio Service License - B321 - Nextel West Corp

| | | | |
|-----------|--------|---------------|------------------------------|
| Call Sign | B321 | Radio Service | BR - Broadband Radio 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

Dates

| | | | |
|-----------|------------|--------------|------------|
| Grant | 03/02/2016 | Expiration | 03/28/2026 |
| Effective | 11/10/2022 | Cancellation | |

Buildout Deadlines

| | | | |
|-----|------------|-----|--|
| 1st | 05/01/2011 | 2nd | |
|-----|------------|-----|--|

Discontinuance Dates

| | | | |
|-----|--|-----|--|
| 1st | | 2nd | |
|-----|--|-----|--|

Notification Dates

| | | | |
|-----|------------|-----|--|
| 1st | 03/15/2011 | 2nd | |
|-----|------------|-----|--|

ECIP Information

| | |
|--|---------------------------|
| ECIP Flag | |
| Small Carrier or Tribal Nation Transaction | Rural-Focused Transaction |

ECIP Dates

| | |
|------------------------------|----------------------------|
| 5-Year Holding Period Begins | 5-Year Holding Period Ends |
|------------------------------|----------------------------|

Required Operational Filing Dates

| | | |
|---------------------------|--------------------|-----------------|
| IORN Operation Begin Date | FORN Deadline Date | FORN Filed Date |
|---------------------------|--------------------|-----------------|

Licensee

| | | | |
|-----|------------|------|-------------|
| FRN | 0001608363 | Type | Corporation |
|-----|------------|------|-------------|

Licensee

| | |
|--|---|
| Nextel West Corp 12920 SE 38th Street Bellevue, WA 98006 ATTN FCC Regulatory Compliance | P:(425)383-8401 F:(425)383-4840 E:FCCRegulatoryComplianceContact@T-Mobile.com |
|--|---|

Contact

| | |
|--------------------|------------------------------------|
| T-Mobile USA, Inc. | P:(425)383-8401 F:(425)383-4840 |
|--------------------|------------------------------------|

12920 SE 38th Street
Bellevue, WA 98006
ATTN FCC Regulatory Compliance

E:FCCRegulatoryComplianceContact@T-Mobile.com

Broadband Radio Service and Educational Broadband Service Information

Will the requested facilities be used to provide multichannel video programming service? No

If the answer to the above question is yes, does the Applicant operate, control or have an attributable interest (as defined in 47 CFR § 27.1202) in a cable television system whose franchise area is located within the geographic service area of the requested facilities?

Does the Applicant comply with the programming requirements contained in 47 CFR § 27.1203?

Geographic Service Area

| | | | |
|--------------------|-----|--------|------------------------|
| Authorization Type | BTA | Market | BTA321 New York, NY |
|--------------------|-----|--------|------------------------|

Channel Plan/Channel Number Information

| Channel Plan | Channel Number |
|--------------|------------------------------------|
| New | BRS1 002496.00000-002502.00000 MHz |
| New | BRS2 002618.00000-002624.00000 MHz |
| New | E1 002624.00000-002629.50000 MHz |
| New | E2 002629.50000-002635.00000 MHz |
| New | E3 002635.00000-002640.50000 MHz |
| New | E4 002608.00000-002614.00000 MHz |
| New | F1 002640.50000-002646.00000 MHz |
| New | F2 002646.00000-002651.50000 MHz |
| New | F3 002651.50000-002657.00000 MHz |
| New | F4 002602.00000-002608.00000 MHz |
| New | H1 002657.00000-002662.50000 MHz |
| New | H2 002662.50000-002668.00000 MHz |
| New | H3 002668.00000-002673.50000 MHz |

Ownership and Qualifications

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

Alien Ownership

Is the applicant a foreign government or the representative of any foreign government? No

Is the applicant an alien or the representative of an alien? No

Is the applicant a corporation organized under the laws of any foreign government? No

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? No

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? Yes

The Applicant has received a declaratory ruling(s) approving its foreign ownership, and the application involves only the acquisition of additional spectrum for the provision of a wireless service in a geographic coverage area for which the Applicant has been previously authorized. ✓

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

Evaluation of the Radiofrequency Environment
in the Vicinity of the Proposed
NY10253B
Wireless Facility

17 Maple Avenue

Warwick NY 10990

Located in the County of Orange

Prepared for

T-Mobile Northeast LLC, a Delaware Limited Liability Company

by

PierCon Solutions, LLC

May 14, 2025

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1.0 SUMMARY AND COMPLIANCE STATUS

T-Mobile Northeast LLC, a Delaware Limited Liability Company, proposes to continue operating a wireless communications installation on a 79 foot tall rooftop at **17 Maple Avenue, Warwick, NY 10990**.

PierCon Solutions, LLC, an engineering firm specializing in wireless communications, was contracted to perform an independent assessment of this facility and its environs on behalf of T-Mobile Northeast LLC. The primary purpose of this assessment was to predict whether the radiofrequency (RF) environment at the wireless communications site location and in its immediate surroundings will be in compliance with guidelines for applicable limits for human exposure to radiofrequency fields, as adopted by the Federal Communications Commission (FCC). To perform this assessment, PierCon Solutions personnel obtained applicable engineering data and drawings from the applicant and obtained antenna specifications from the manufacturer.

RF information was collected and analyzed using methodology recommended by the Federal Communication Commission's Office of Engineering and Technology in Bulletin 65 *Evaluating Compliance with FCC Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields*, 97-01 (OET Bulletin 65) and of Richard Tell in his *CTLA's EME Design and Operation Considerations for Wireless Antenna Sites* November 15, 1996.

The completed assessment includes consideration of contributions to the radiofrequency environment from the proposed T-Mobile installation and existing AT&T and Verizon wireless technologies. The T-Mobile installation includes 2 panel antenna in 4 sectors (8 total antennas). The installation provides LTE service at 700 MHz, 1900 MHz, and 2100 MHz and 5G service at 600 MHz, 1900 MHz, 2100 MHz, and 2500 MHz. The centerlines of the antennas for this service are 81' above ground level (AGL) for all sectors. Associated transmitters and ancillary equipment are located with the antennas rooftop and on a lower rooftop. GPS antennas are also required. They are utilized to receive only and are not capable of contributing to RF energy at the site.

PierCon Solutions predicted the radiofrequency environment by adding the worst-case RF contribution, in terms of percentage of applicable FCC limits, from the proposed and existing installations. The FCC's general public exposure limits were applied which are the strictest criteria.

After reviewing and analyzing the information gathered and considering relevant factors, PierCon Solutions, LLC has made the following determination regarding the site's compliance with applicable guidelines for Maximum Permissible Exposure (MPE) limits, as defined by the FCC. The potential RF exposures will be well below general public limits for all publicly accessible areas in this location and nearby properties.

**This site will be in compliance with applicable
FCC radiofrequency exposure limits.**

2.0 PREDICTIVE ANALYSIS

2.1 TECHNICAL DATA USED IN THIS PREDICTIVE ANALYSIS

Technical input parameters used or considered in the predictive modeling performed in this study are identified in the following tables. These parameters were assumed for AT&T and Verizon based on previous studies and their current offerings. T-Mobile has deployed different technology in its delta sector from the other sectors at this site. As such an extra study was run with those values for the calculations and they are included below.

| T-Mobile Radio Parameters | | | | | | | |
|--|------------------------------------|------------------------------------|-------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Service Type | 5G NR | LTE | 5G NR | LTE | 5G NR | LTE | 5G NR |
| Transmission Frequency Band | T-MOBILE 5G NR 600 MHz | T-Mobile LTE 700 MHz | T-MOBILE 5G NR 2500 MHz | T-Mobile LTE 2100 MHz | T-MOBILE 5G NR 1900 MHz | T-Mobile LTE 1900 MHz | T-Mobile 5G NR 2100 MHz |
| Antenna Height above ground level (centerline) | 81 feet AGL | 81 feet AGL | 81 feet AGL | 81 feet AGL | 81 feet AGL | 81 feet AGL | 81 feet AGL |
| Person Height above ground level | 6 feet AGL | 6 feet AGL | 6 feet AGL | 6 feet AGL | 6 feet AGL | 6 feet AGL | 6 feet AGL |
| Antenna type | Panel | Panel | Panel | Panel | Panel | Panel | Panel |
| Antenna Manufacturer | RFS | RFS | Ericsson | RFS | RFS | RFS | RFS |
| Antenna Model | RFS APXVAARR 18_43-U-NA20-1-9-617+ | RFS APXVAARR 18_43-U-NA20-1-9-707+ | Ericsson Air6419NR | RFS APXVAARR 18_43-U-NA20-5-2-2110+ | RFS APXVAARR 18_43-U-NA20-5-2-1910+ | RFS APXVAARR 18_43-U-NA20-5-2-1910+ | RFS APXVAARR 18_43-U-NA20-5-2-2110+ |
| Antenna Length | 72 inches | 72 inches | 39 inches | 72 inches | 72 inches | 72 inches | 72 inches |

Table 1 – T-Mobile Radio Parameters for Alpha, Beta, and Gamma sectors

| T-Mobile Radio Parameters | | | | | | | |
|--|-----------------------------------|-----------------------------------|-------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Service Type | 5G NR | LTE | 5G NR | LTE | 5G NR | LTE | 5G NR |
| Transmission Frequency Band | T-MOBILE 5G NR 600 MHz | T-Mobile LTE 700 MHz | T-MOBILE 5G NR 2500 MHz | T-Mobile LTE 2100 MHz | T-MOBILE 5G NR 1900 MHz | T-Mobile LTE 1900 MHz | T-Mobile 5G NR 2100 MHz |
| Antenna Height above ground level (centerline) | 81 feet AGL | 81 feet AGL | 81 feet AGL | 81 feet AGL | 81 feet AGL | 81 feet AGL | 81 feet AGL |
| Person Height above ground level | 6 feet AGL | 6 feet AGL | 6 feet AGL | 6 feet AGL | 6 feet AGL | 6 feet AGL | 6 feet AGL |
| Antenna type | Panel | Panel | Panel | Panel | Panel | Panel | Panel |
| Antenna Manufacturer | COMMSCO PE | COMMSCO PE | Ericsson | COMMSCO PE | COMMSCO PE | COMMSCO PE | COMMSCO PE |
| Antenna Model | COMMSCO PE FFVV-65B-R2_02DT_0 617 | COMMSCO PE FFVV-65B-R2_03DT_0 700 | Ericsson Air6419NR | COMMSCO PE FFVV-65B-R2_04DT_2 100 | COMMSCO PE FFVV-65B-R2_04DT_1 900 | COMMSCO PE FFVV-65B-R2_04DT_1 900 | COMMSCO PE FFVV-65B-R2_04DT_2 100 |

| | | | | | | | |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Antenna Length | 72 inches | 72 inches | 39 inches | 72 inches | 72 inches | 72 inches | 72 inches |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|

Table 2 – T-Mobile Radio Parameters for Delta sector

| AT&T Wireless Radio Parameters | | | | | |
|--|---|--|--|--|------------------------|
| Service Type | LTE 2100 MHz | LTE 850 MHz | LTE 1900 MHz | LTE 700 MHz | 3700 MHz |
| Transmission Frequency Band | 2100 MHz Band | 850 MHz Band | 1900 MHz Band | 700 MHz Band | 3700 MHz Band |
| Antenna Height above ground level (centerline) | 81 feet AGL | 81 feet AGL | 81 feet AGL | 81 feet AGL | 81 feet AGL |
| Person Height above ground level | 6 feet AGL | 6 feet AGL | 6 feet AGL | 6 feet AGL | 6 feet AGL |
| Antenna type | Panel | Panel | Panel | 96 | Panel |
| Antenna Manufacturer | COMMSCOPE | COMMSCOPE | COMMSCOPE | COMMSCOPE | NOKIA |
| Antenna Model | COMMSCOPE NNHH-65C-R4_Port 6 - 45_02DT_2130 | COMMSCOPE NNHH-65C-R4_Port 1 +45_04DT_0851 | COMMSCOPE NNHH-65C-R4_Port 5 +45_02DT_1990 | COMMSCOPE NNHH-65C-R4_Port 1 +45_04DT_0710 | Nokia _AEQK_3700_10 dt |
| Antenna Length | 96 inches | 96 inches | 96 inches | 96 inches | 48 inches |

Table 3 – AT&T Radio Parameters

| Verizon Wireless Radio Parameters | | | | | | | |
|--|--------------------|--|--|--|-----------------------|--|------------------------------------|
| Service Type | 5G LSUB6 | LTE 1900 | LTE 700 | LTE 2100 | CBRS 3.7 GHZ | LTE 850 | 5G NR 850 MHz |
| Transmission Frequency Band | 3700 MHz Band | 1900 MHz Band | 700 MHz Band | 2100 MHz Band | 3700 MHz Band | 850 MHz Band | 850 MHz Band |
| Antenna Height above ground level (centerline) | 81 feet AGL | 81 feet AGL | 81 feet AGL | 81 feet AGL | 81 feet AGL | 81 feet AGL | 81 feet AGL |
| Person Height above ground level | 6 feet AGL | 6 feet AGL | 6 feet AGL | 6 feet AGL | 6 feet AGL | 6 feet AGL | 6 feet AGL |
| Antenna type | Panel | Panel | Panel | Panel | Panel | Panel | Panel |
| Antenna Manufacturer | Ericsson | COMMSCOPE | COMMSCOPE | COMMSCOPE | NOKIA | COMMSCOPE | RFS |
| Antenna Model | Ericsson Air6449NR | COMMSCOPE NHH-65C-R2B_Port 3 +45_02DT_1900 | COMMSCOPE NHH-65C-R2B_Port 1 +45_02DT_0704 | COMMSCOPE NHH-65C-R2B_Port 3 +45_02DT_2100 | Nokia _AEQK_3700_10dt | COMMSCOPE NHH-65C-R2B_Port 1 +45_02DT_0850 | RFS APXVAALL 24_43-U-NA20-1-2-835+ |
| Antenna Length | 39 inches | 96 inches | 96 inches | 96 inches | 48 inches | 96 inches | 96 inches |

Table 4 – Verizon Radio Parameters

2.2 FCC AND STATE GUIDELINES

The FCC has established two sets of Maximum Permissible Exposure (MPE) limits. Occupational/controlled limits apply to RF exposures to workers who are in an area as a consequence of their occupations, as long as they have been made fully aware of their potential for exposure to RF fields and are able to exercise control over their exposure.

For everyone else, general population/uncontrolled limits apply. These limits are extremely protective, in consideration of the most vulnerable members of the public. For sites where the surrounding area is generally accessible by members of the general population, the FCC general population/uncontrolled MPE limits are generally applied.

| |
|---|
| The analysis in this report uses the FCC General Public standards (the strictest). |
|---|

2.3 MPE ANALYSIS FROM HORIZONTAL AND VERTICAL PERSPECTIVE

The Power Density Calculations in the analysis must take into account the distance between the location of the general public versus the location of the transmitting antennas (from both a horizontal and vertical perspective). From a horizontal perspective, the standard Power Density Calculations are performed from 0 to 2000 feet from the wireless communication site (in 5 foot increments).

From a vertical perspective, a factor must be included in order to account for differences between the general public's height above ground level versus the wireless communication site's ground elevation. These differences are typically caused by fluctuations in local ground elevation or multi-story buildings with outdoor areas where the general public may occupy. The analysis was performed to determine the appropriate height factor for the general public to include in the worst-case power density calculation. The height factor is 6' feet for the general public which represents a 6' tall person standing at ground level.

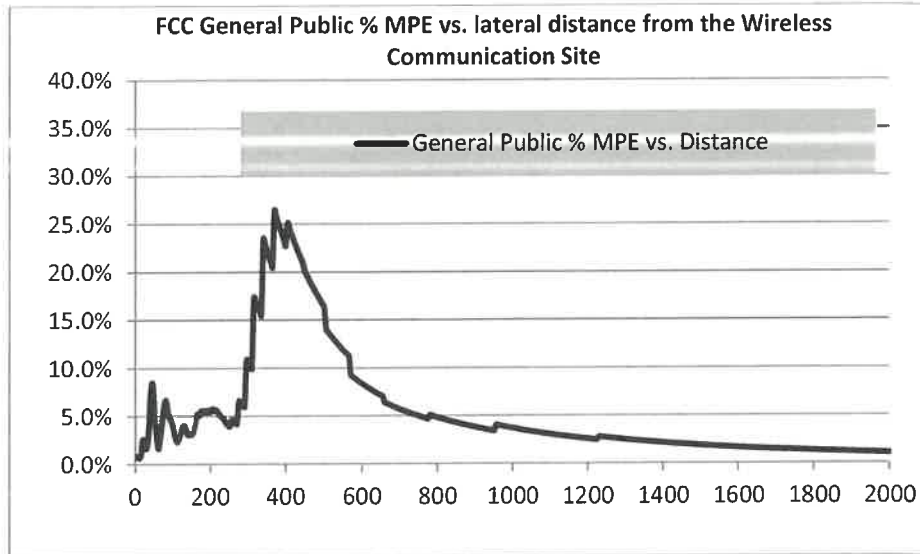
For roof view analysis, the RF near-field levels are computed from selected antennas by applying a cylindrical model that takes into account the antenna's aperture height, mounting height above the roof, azimuthal beam width for directional antennas and the location of the antennas on the roof (see Figure 2 and Figure 3). Resulting spatially averaged power densities are expressed as a percentage of the exposure limit depending on frequency. The entire roof is composed of one-square-foot pixels and RF fields are computed for each of these pixels for each antenna in the Technical Data 2 in Section 2.1

3.0 RESULTS OF THE ANALYSIS

The analysis was performed using the technical input parameters shown in Section 2.1 in order to calculate the wireless communications site's worst-case % MPE from the proposed transmitters.

Figure 1 shows a graph of the wireless communication site's % MPE versus its distance from the general public (within the first 2000 feet) at 6' above ground. For each location, the % MPE is calculated by summing each Service Type by the existing and proposed providers' % MPE values.

Figure 1 – FCC General Public % MPE vs lateral distance from the Wireless Communications Site from the proposed Transmitters at grade level.



The worst-case combined RF exposures to transmissions from the T-Mobile installation at a general public height of 6' will be:

- **26.48%** of (or 3.78 times below) the **FCC Maximum Permissible Exposure** limit for General Public. This maximum value was calculated to occur at a distance of **370 feet** from the proposed site location.

The worst-case combined RF exposures to transmissions from the delta sector of the T-Mobile installation at a general public height of 6' will be:

- **25.28%** of (or 3.96 times below) the **FCC Maximum Permissible Exposure** limit for General Public. This maximum value was calculated to occur at a distance of **370 feet** from the proposed site location.

Figure 2 shows a roof view of the RF environment on the lower part of the rooftop, near where non-T-Mobile antennas are mounted. Figure 3 shows a roof view of the RF environment on the upper part of the roof top, where the T-Mobile antennas are mounted. Each color pixel indicates the cumulative % Occupational FCC MPE. The map is color coded with light green representing a %MPE less than or equal to 20, yellow representing a %MPE between 21 and 100 and red representing a % MPE above 100.

Proper FCC signage and placement can be referenced in Figure 4. The Blue sign indicates that an individual is entering an environment where RF field levels may exceed the FCC MPE limits for General Population/Uncontrolled exposure, these signs are to be placed at all roof access points as well as on the back of the antennas. The Yellow sign indicates that the RF field levels are greater than the FCC occupational limit, these signs are to be placed at all roof access points as well as on the back of the antennas. The Red sign indicates that RF field levels are greater than 10x of the FCC occupational limit.

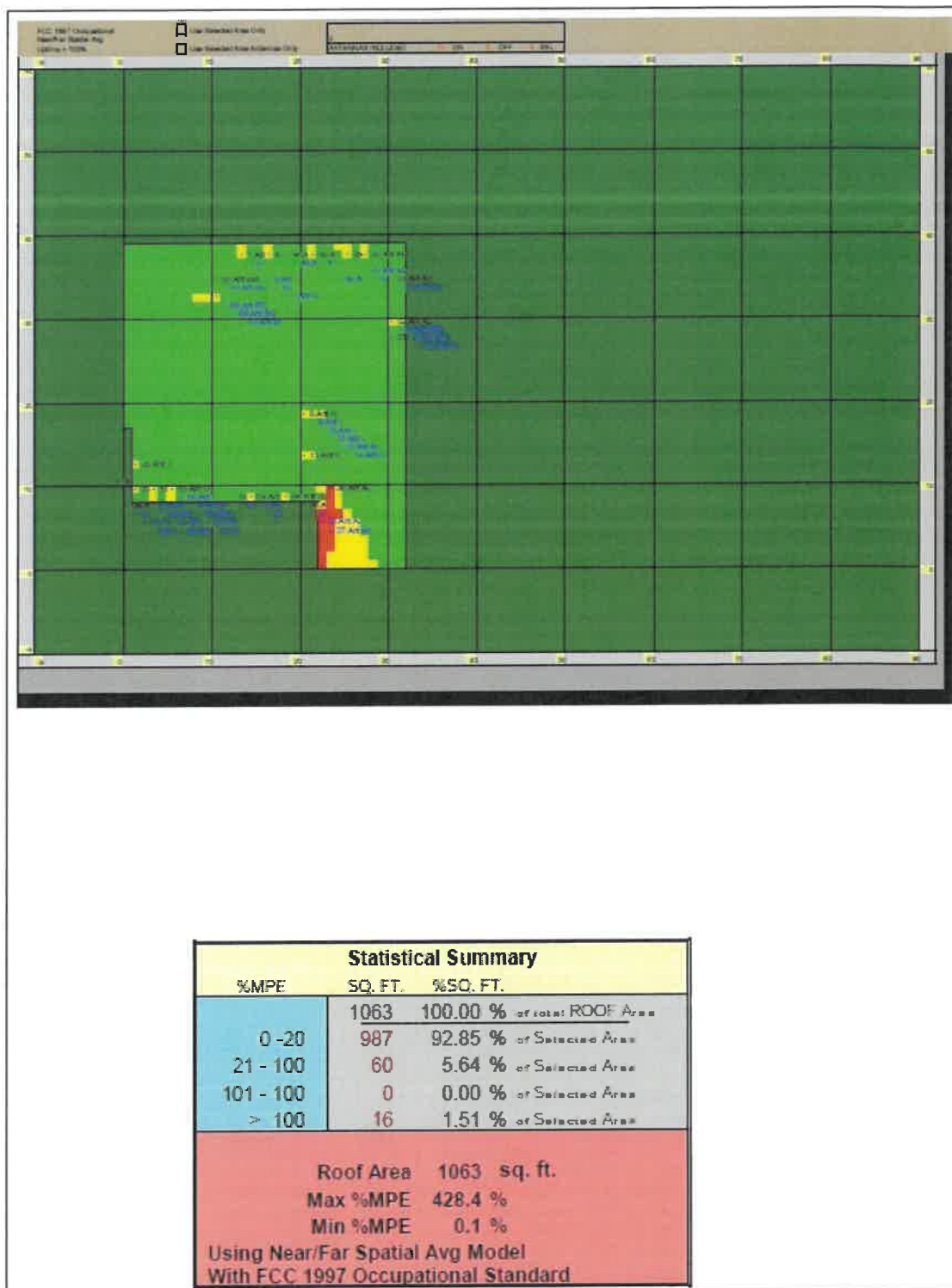


Figure 2 – Roof View of the RF environment on the lower building roof top for Occupational FCC MPE limits

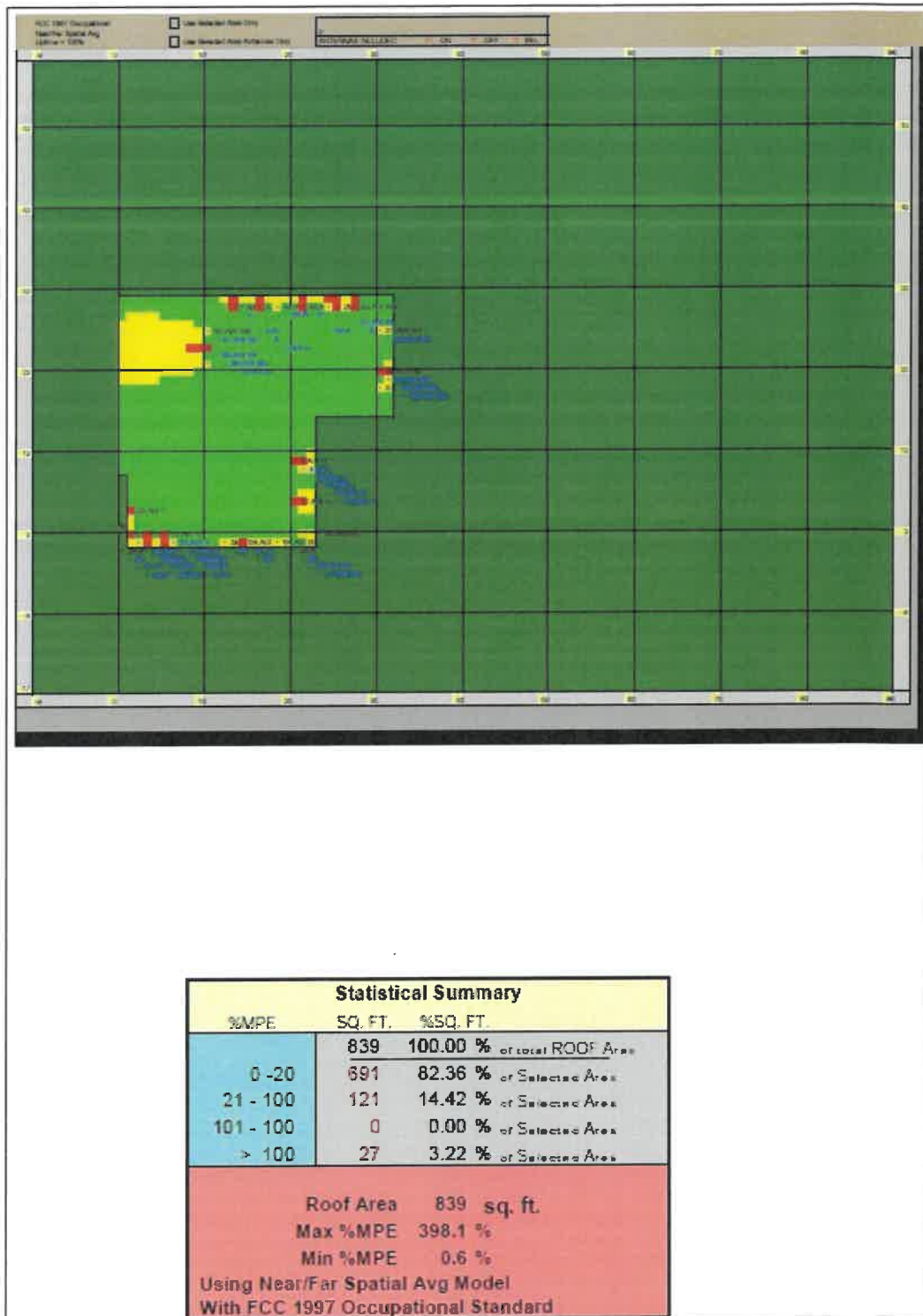


Figure 3 – Roof View of the RF environment on the upper building roof top for Occupational FCC MPE limits

FCC Signage and Placement Requirements



Figure 4 – FCC Signage and Placement Requirements

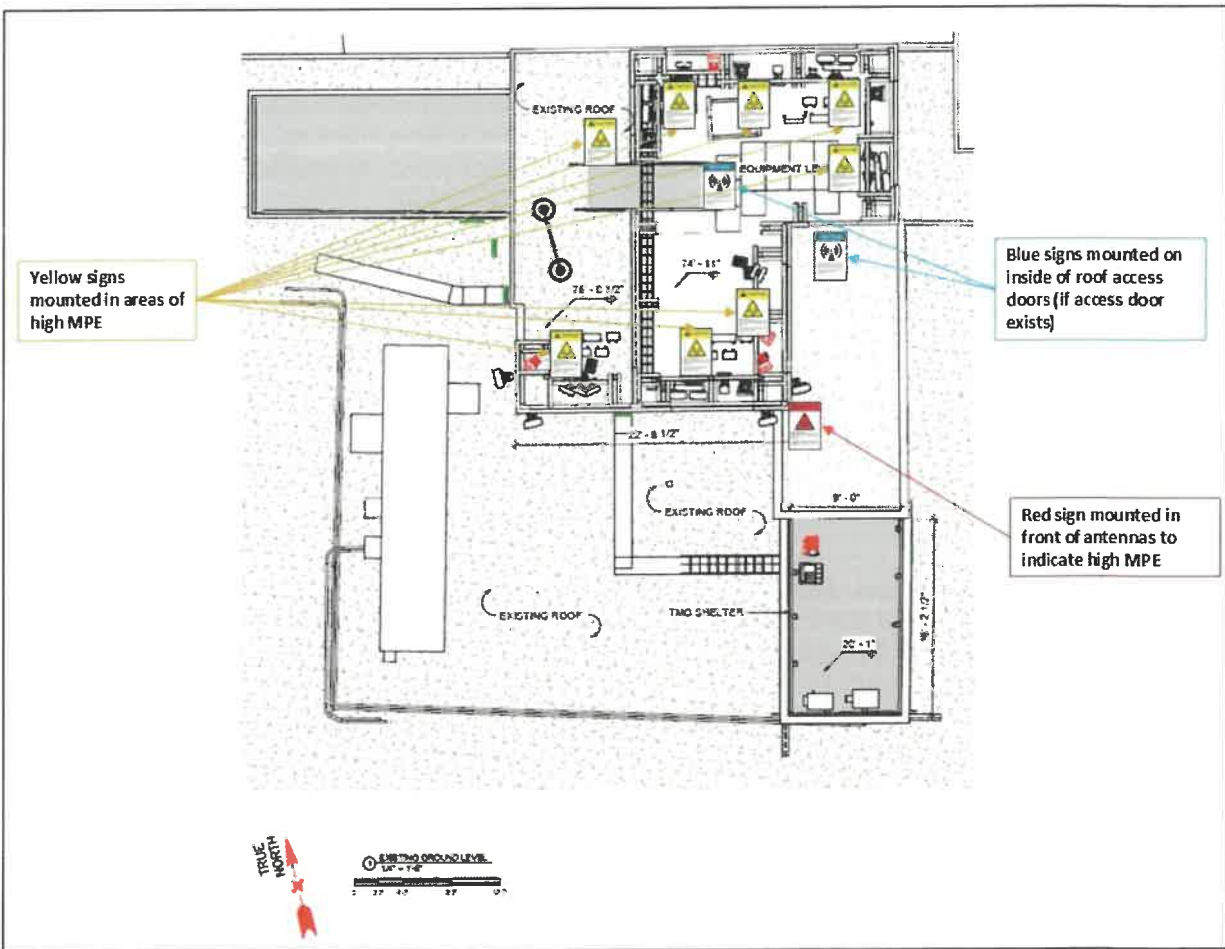


Figure 5 – FCC Signage and Placement Requirements (cont'd)

4.0 CONCLUSION

This conclusion represents the analysis and compliance assessment by PierCon Solutions, LLC of the RF environment surrounding the wireless communications installation at **17 Maple Avenue, Warwick, NY 10990**.

The assessment is based on careful consideration of the information supplied by T-Mobile and assumptions were made for Verizon Wireless and AT&T based on typical installations for these carriers.

Using conservative predictive calculations, PierCon has considered the effect on the existing RF environment which will result from operation of the installation, and compared this total combined effect to the applicable limits set by the FCC.

Simultaneous operation, at maximum power, of the proposed installation and existing installations, will result in total exposure levels below the Maximum Permissible Exposure limit set by the FCC for public areas. Maximum worst-case combined potential RF exposures will be at least **3.78 times below** the applicable limit (**26.48% of the FCC limit**). Inside buildings, total combined potential RF exposures from the existing and proposed sources on this wireless communication site will be substantially lower.

The rooftop is determined to be not accessible to the general public as it is locked. Entrances should be alarmed and proper signage should be placed where advised. Therefore, occupational limits would apply to the rooftop. Simultaneous operation, at maximum power, of proposed installations and transmitters on the roof result in the worst-case exposure area being in front of antennas. Figure 2 and Figure 3 demonstrates the areas which may exceed the occupational exposure limits and where proper signage is required. Blue Notice signs at the entrance to the roof top, Yellow Caution signs in the areas that may exceed the limit, and Red Warning signs in areas which exceed the limit must be placed in clearly visible and applicable locations in accordance with Figure 4 and Figure 5.

PierCon Solutions LLC has determined that all publicly accessible areas in this location and nearby properties will remain in full compliance with all applicable FCC radiofrequency exposure limits, as well as all applicable ANSI, IEEE, and NCRP limits. The roof area that has the potential to expose individuals at above the limits set for occupational should be accessible only to those who will be exposed as a consequence of their employment. At this site, appropriate signage must be installed establishing occupational "awareness" of the potential for RF exposure and reminds workers of procedures available to them to exercise control over their exposure and is therefore in compliance.

Report Prepared by:



Ryan Martin
Associate RF Engineer
PierCon Solutions, LLC

(Date) 5/14/25



Registered Professional Engineer
New York License Number 79144



Report Reviewed by:



Daniel Czech
RF Engineer
PierCon Solutions, LLC

(Date) 5/14/25

5.0 MATHEMATICAL PREDICTIVE ANALYSIS – METHODS, ASSUMPTIONS USED

5.1 PREDICTIVE METHODS AND ASSUMPTIONS

When using mathematical methods to predict RF energy fields from wireless communications sources, PierCon Solutions follows the methodology recommended in Section 2 of the FCC's Office of Engineering and Technology's Bulletin 65, *Evaluating Compliance with FCC Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields*, 97-01 (OET Bulletin 65). In the case of certain near-field exposures, PierCon Solutions also uses modifying methods described in Richard Tell's 1966 publication, *EME Design and Operation Considerations for Wireless Antenna Sites*, a technical report prepared for the Cellular Telecommunications Industry Association, Washington, D.C.

Occasionally, some site specific radio parameters and antenna information are not available. In these cases, the situation is noted and more general information is substituted, based on experience and knowledge of similar operations.

In OET Bulletin 65, a number of formulas are recommended for calculating power density emission levels. The first step in selecting the most appropriate equations to use is to determine whether areas of interest are in the "near-field" or "far-field" regions. Once this determination is made, the appropriate formula is applied.

Areas of interest at this site are found both in the far field and near-field regions of the antennas.

Far-field calculations: The preferred method described in OET Bulletin 65 for predictive far-field calculations assumes perfect (100%) reflection of incoming signal. This factor, resulting in a four-fold increase in predicted power density, was used in this study, to ensure that the conclusions of this report represent a worst-case. Additionally, PierCon uses the following additional highly conservative assumptions:

- Transmitters are assumed to operate continuously and at maximum power, although they customarily operate intermittently and at varying power levels.
- When the RF signal is sent through a coaxial cable from the transmitters to the antennas, significant power losses are expected. Typically, about half the nominal transmitter power (3 dB) is lost. PierCon assumes that there are no power losses.
- Whenever PierCon is aware that a carrier is using more than one antenna model at a given frequency, we perform a worst-case calculation for each model, and then choose the parameters representing the "worst-case" antenna – the one capable of producing the highest predicted RF fields in the areas of interest.
- PierCon assumes that all power available for transmission from all the antennas any one sector is directed through the worst-case antenna mounted closest to ground level. This antenna is assumed to be mounted on the edge of the structure and directly above the point from which the RF field strengths are calculated. Thus, the calculations assume the shortest potential distance between the center of the strongest beams from the antenna and a hypothetical person standing at the level of interest.
- The FCC's MPE exposure limits are defined in terms of "spatial exposure" – the average of a series of partial exposures, head-to-toe, of a six-foot tall human standing in the described field. These partial exposures to RF fields vary in intensity from the person's foot level to head level. The energy fields closer to the ground are further from the antennas and are almost always less intense. In PierCon's far-field calculations, the field strength at head height is assumed to be the average exposure of the person. PierCon's predicted exposure values will always be greater than the actual measured exposure.

In the far-field, the following formula [formula (6) on page 19 of OET Bulletin 65] incorporates a 100% reflection factor is used for calculating power density levels:

Far field: $S_{ff} = \text{EIRP} / \pi R^2$

Where: S_{ff} = far-field power density in mW/cm²
EIRP = effective isotropic radiated power (factoring “G” the gain in direction of interest)
R = distance to the center of the antenna, in appropriate units

PierCon applies this equation incrementally, at five-foot intervals, for distances horizontally from the base of the structure to as far as 2,000 feet from the antenna. The RF fields vary directly as a function of gain and inversely as the square of the distance from the center of the antenna. Additional variations are caused by vertical intensity patterns inherent in the design of the various antennas. These variations are taken into account as described on page 22-23 of OET Bulletin 65.

Gain is affected by antenna design. Directional panel antennas (those commonly used by wireless carriers) are designed to focus the majority of emitted energy into a relatively narrow beam, transmitted from the front, center of the antenna. This main beam is typically directed almost horizontally towards the horizon or just below. Relatively little emitted energy is emitted below or above the main beam. Almost no energy escapes behind the antenna. PierCon Solutions incorporates the most specific information available regarding the RF pattern of the antennas being modeled.

Down-tilt (mechanical or electrical) also affects the vertical RF pattern. Greater downtilt typically causes higher intensity portions of the antenna beams to illuminate far field locations at distances closer to the antenna and causes RF fields to be higher. Mechanical down-tilt is set physically, on location. Electrical down-tilt is a design parameter of the antennas. Electrical down-tilt of some modern sector antennas is designed to be variable, either on site or remotely. Typical down-tilts are 0-2 degrees below horizontal. Antennas on tall structures or at high relative elevations may be set with more down-tilt.

When multiple wireless services or providers are on a structure, each service's antennas will produce exposure maxima at different distances from the structure and oriented in different directions. Each carrier's maximum usage load is likely to occur at different times. However, in this situation, PierCon again presents conservative results. Our model assumes that antennas representing each carrier and service at the site all point in the same direction, that all the RF maxima occur at the same distance from the antenna and they are all running at full power, with no power losses. Thus, the combined theoretical maximum RF field strengths which we report will always be more intense than those we would obtain via actual measurements at the site.

Near-field calculations: For modeling near-field situations, the following formula [formula (20) on page 32 of OET Bulletin 65], which models the field as a portion of a cylindrical surface, was developed by Richard Tell and modified by him in a publication referenced in OET Bulletin 65 to include a mounting factor, M.

Near Field: $S_{nf} = (360/\theta_{bw}) \text{MP}_{net} / 2\pi R h$

Where: S_{nf} = near field power density
 P_{net} = net power input to the antenna
 θ_{bw} = beam width¹ of the antenna, in degrees
R = distance from the antenna
M = Mounting factor
H = height of the antenna

¹ Azimuth (horizontal) beam width at half-power (3 dB)

Mounting factors, which were also developed by Richard Tell, are explained in his study *EME design and Operation Considerations for Wireless Antenna Sites*². This document is referenced in OET 65, although mounting factors are not included in the simplified equation included in the OET 65 guidelines. This document is also referenced on page 31 of OET 65.

Mounting factors are used to account for the mitigating effect of antenna mounting distance above a roof or similar surface on the RF environment experienced by personnel on the described surface. These mounting factors conservatively emulate spatially averaged exposures of a six-foot-tall person standing as much as ten feet below the bottom of an antenna and on a perfectly reflective surface. When predicting similar exposures due to RF emissions in the near-field from antennas mounted higher than ten feet above the surface of interest, PierCon Solutions uses the ten-foot mounting factor.

6.0 FEDERAL LAWS, FCC RULES AND GUIDELINES

6.1 FEDERAL LAWS

The National Environmental Policy Act of 1969 (NEPA)³ is a federal law directed at federal agencies. It requires the agencies (including the Federal Communications Commission) to evaluate the effects of their actions on the quality of the human environment. To meet these responsibilities, the FCC adopted a number of requirements to evaluate and limit the environmental impact of its actions.

One of these environmental factors addressed by the FCC is human exposure to RF energy emitted by FCC-regulated transmitters and facilities.⁴ The FCC decided that, whenever they must approve construction or operation of a facility, they will require the applicant to determine whether there is a potential impact due to the facility. If applicants are able to attest that the operation meets FCC RF exposure guidelines, the operation is considered not to have an adverse effect on the human environment and is more likely to be approved by FCC.

The Telecommunications Act of 1996⁵ (a major revision of the Telecommunications act of 1932) is the applicable federal law regarding controls of the effects of RF emissions from wireless communications facilities on the human environment. With respect to controls on the environmental effects of radiofrequency emissions, the Act states the following:

Section 704(a) (7) (B) (i) (II) (iv):

“No State or local government or instrumentality thereof may regulate the placement, construction, and modification of personal wireless service facilities on the basis of the environmental effects of radio frequency emissions to the extent that such facilities comply with the Commission's regulations concerning such emissions.”

² Tell, Richard A. (1996) *EME Design and Operation Considerations for Wireless Antenna Sites*. Technical report prepared for the Cellular Telecommunications Industry Association, Washington, D.C. 20036.

³ National Environmental Policy Act of 1969, as amended, 42 U.S.C. §§ 4321 *et seq.* (1976)

⁴ This limits FCC responsibilities to effects from manufactured sources and to the range of non-ionizing electromagnetic frequencies which are useful for wireless communications.

⁵ Telecommunications Act of 1996, Pub. L. No. 104-104, 110 Stat 56 (1996)

Section 704(b): RADIO FREQUENCY EMISSIONS- Within 180 days after the enactment of this Act, the Commission shall complete action in ET Docket 93-62 to prescribe and make effective rules regarding the environmental effects of radio frequency emissions.

6.2 FCC RULES AND GUIDELINES

In 1985, pursuant to the National Environmental Policy Act of 1969 (NEPA)⁶, the FCC established guidelines for human exposure to Radio Frequency (RF) energy emitted by FCC-regulated transmitters. The latest revision of these guidelines fulfilled the requirements of Section 704(b) of the Telecommunications Act of 1996.

The FCC requires their licensees intending to construct or operate wireless communications facilities to ensure that the proposed facilities are designed and maintained to keep human exposures to RF energy produced by the wireless communications facilities within very conservative limits. These limits are intended to protect humans from harm due to known hazards of RF energy.

The FCC guidelines are intended to limit the amount of RF energy to which humans may be exposed due to emissions from FCC-regulated transmitters and facilities. Electromagnetic energy from natural sources (for example, from the Sun or lightning) is beyond the scope of the FCC's mandate, as is electromagnetic energy at higher or lower frequencies than are used for wireless communications (For instance, FCC does not have authority with respect to power-line electromagnetic fields.)

The FCC consistently explains that they are not experts in the field of RF health and safety. In setting limits and recommending methods for evaluating the environmental effects of RF fields, FCC relies on recommendations and advice of federal agencies and other organizations with expertise in evaluating health-related issues and in standards-setting. Such sources include the Environmental Protection Agency (EPA), Occupational Safety and Health Administration (OSHA), National Council on Radiation Protection and Measurements (NRC), the Institute of Electrical and Electronics Engineers (IEEE), the American National Standards Institute (ANSI).

The FCC lists certain situations in which there is little expectation of non-compliance with RF exposure levels. For these listed situations, FCC does not require routine evaluations. However, compliance with the limits described in their guidelines is always required.

In meeting the requirements of the Telecommunications Act of 1996, FCC adopted and released their current RF exposure guidelines on August 1, 1996 FCC 96-326 "Guidelines for Evaluating the Environmental Effects of Radiofrequency Radiation (ET Docket No. 93-62). The guidelines are incorporated into FCC regulations and codified at 47 CFR 1.1307 and 1.310. These guidelines specify two sets of maximum permissible exposure levels – one for general population/uncontrolled exposures – the other for occupational/controlled situations – indicate criteria for deciding which limits are applicable.

When considering these guidelines, it is important to remember that they:

- Describe exposure limits, not emission limits.
- Apply only in reasonably accessible locations.
- Apply to power densities or the squares of the electric and magnetic field strengths that are spatially averaged over the body dimensions. "Spatially averaged RF fields most accurately relate to estimating the whole body averaged SAR [*Specific Absorption Rate*] that will result from the exposure."

⁶ 42 U.S.C. §§ 4321 et seq. (1976)

“General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or can not exercise control over their exposure.”

Limits set by FCC for general population/uncontrolled (or “uncontrolled”) situations are applicable to:

- Everyone whose exposure is not a consequence of their employment and
- Everyone who is not made fully aware of the potential for RF exposure and
- Anyone not able to exercise control over their exposure.

FCC permits workers in occupational/controlled situations to be exposed to areas where higher levels of RF energy are present as long as the following criteria are satisfied:

“Occupational/controlled limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure. Limits for occupational/controlled exposure also apply in situations when an individual is transient through a location where occupational/controlled limits apply provided he or she is made aware of the potential for exposure.”

For occupational/controlled limits to apply, controlling access to the area is a necessary component, but not sufficient. These limits only apply to people whose exposure is as a consequence of their employment.

- If the area has a potential to expose people at above the limits set for general population/uncontrolled situations, it must be accessible only to those who will be exposed as a consequence of their employment.
- Workers must have been made fully aware of the potential for RF exposure and
- Workers must be able to exercise control over their exposure.

Please refer to the newly published IEEE standard, C95.7-2005 IEEE Recommended Practice for Radio Frequency Safety Programs, 3 kHz to 300 GHz, for recommendations about signage and setting up a safety program and providing training to cover workers and areas at the site where the potential RF environment can be above the FCC limits for general population/ uncontrolled areas. This is the standard prospectively referenced by FCC:

For purposes of developing training programs for employees, we [FCC] note that several resources are becoming available to provide guidance on appropriate RF safety programs. These resources include services provide by commercial vendors as well as information available through governmental and other Internet Web sites. Furthermore a committee of the IEEE, Subcommittee 2 of Standards Coordination Committee 28, is now in the process of drafting an IEEE recommended practice for the development of an RF safety program.⁷

... awareness of the potential for RF exposure in a workplace or similar environment can be provided through specific training as part of an RF safety program. Warning signs and labels can also be used to establish such awareness, as long as they provide information, in a prominent manner, on risk of potential exposure and instructions on methods to minimize such exposure risk.⁸

To make it easier for our licensees and grantees to interpret their responsibilities, we propose to explain in a note to Section 1.310 of our rules that “fully aware” means that an exposed individual has received written and verbal information concerning the potential for RF exposure and has received training regarding appropriate work practices relating to controlling or mitigating his or her exposure.⁹

⁷ FCC Notice of Proposed Rulemaking ET Docket 03-137, FCC 03-132, adopted June 12, 2003, – footnote to paragraph 38.

⁸ See OET Bulletin 65, p10. Also see FCC Report and Order, ET Docket 93-62, FCC 96-326, adopted August 1996, paragraph 45.

⁹ FCC Notice of Proposed Rulemaking ET Docket 03-137, FCC 03-132, adopted June 12, 2003, paragraph 38.

Incidental or “transient” workers: FCC recognizes that the exposure of many workers to RF energy from communications transmission equipment is incidental to their employment. For example, per OET 65, p55: “Persons who are only ‘transient’ visitors to the rooftop, such as air conditioning technicians, etc. could also be considered to fall within the occupational/controlled criteria as long as they are also ‘made aware’ of their exposure and exercise control over their exposure.”

FCC recognizes that these individuals do not require in depth training regarding RF exposures. They state: “As specified in the rules, transient individuals must simply be made aware of their exposure. This could be achieved by means of written and/or verbal information, including, for instance, appropriate signage.”¹⁰

At this site, appropriate signage should be posted to establish occupational “awareness” of the potential for RF exposure and remind workers of procedures available to them to exercise control over their exposure.

F.37. the occupational/controlled limits in our [FCC] rules apply ‘in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure.’”

Limits for occupational/controlled exposure also apply “in situations when an individual is transient through a location where occupational/controlled limits apply provided he or she is made aware of the potential for exposure.”¹¹ Posting awareness signage is particularly useful to satisfy the FCC¹² intentions to ensure the awareness of “transient” workers – those who may come near a transmitting antenna in the course of other duties.

General population/uncontrolled exposure limits apply “in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.”¹³

6.3 BACKGROUND ON FCC RF EXPOSURE LIMITS (GUIDELINES)

In 1985, the FCC first adopted guidelines to be used for evaluating human exposure to RF emissions.¹⁴ The FCC revised and updated these guidelines on August 1, 1996, as a result of a rule-making proceeding initiated in 1993¹⁵ and to satisfy the requirements of Section 704 (b) of the Telecommunications Act of 1996. Because its licensees must meet the FCC’s guidelines or answer to the FCC, these guidelines effectively set the current exposure limits for FCC licensees.

These guidelines incorporate two tiers of exposure limits and two sets of time-averaging provisions, based on whether the RF exposures occur to informed workers in an occupational/controlled situation or to members of general public, in an “uncontrolled” situation. The guidelines incorporate limits for Maximum Permissible Exposure (MPE) in terms of electric and magnetic field strength and power density for transmitters operating at frequencies between 300 kHz (0.3 MHz) and 100 GHz (100,000 MHz). The guidelines are based on exposure

¹⁰ Ibid: paragraph 38.

¹¹ 47 CFR § 1.1310 Table 1, Note 1.

¹² FCC ET Docket No. 03-137 NPRM, released June 26, 2003

¹³ 47 CFR § 1.1310 Table 1 Note 2.

¹⁴ *Report and Order*, GEN Docket No. 79-144, 100 FCC 2d 543 (1985); and *Memorandum Opinion and Order*, 58 RR 2d 1128 (1985). The guidelines originally adopted by the FCC were the 1982 RF protection guides issued by the American National Standards Institute (ANSI).

¹⁵ *Report and Order*, ET Docket 93-62, FCC 96-326, adopted August 1, 1996, 61 Federal Register 41,006 (1996), 11 FCC Record 15,123 (1997). The FCC initiated this rule-making proceeding in 1993 in response to the 1992 revision by ANSI of its earlier guidelines for human exposure. The Commission responded to seventeen petitions for reconsideration filed in this docket in two separate Orders: *First Memorandum Opinion and Order*, FCC 96-487, adopted December 23, 1996, 62 Federal Register 3232 (1997), 11 FCC Record 17,512 (1997); and *Second Memorandum Opinion and Order and Notice of Proposed Rulemaking*, FCC 97-303, adopted August 25, 1997.

limits recommended by the NCRP¹⁶ in 1986 and, over a wide range of frequencies, on exposure limits developed by IEEE and adopted by the American National Standards Institute (ANSI) to replace the 1982 ANSI guidelines.¹⁷

The FCC states that, in reaching its decision on adopting these guidelines, it carefully considered the large number of comments submitted during its rule-making proceeding and gave particular weight to comments submitted by the EPA, FDA and other federal health and safety agencies. The current guidelines are based substantially on the recommendations of those agencies. The FCC states that it believes the guidelines represent a consensus view of the federal agencies responsible for matters relating to public safety and health.

The basis (reference level) of the FCC's RF exposure limits, and the NCRP and ANSI/IEEE limits upon which the FCC limits are scientifically based is a whole-body averaged Specific Absorption Rate (SAR)¹⁸ threshold level of 4 watts per kilogram (4 W/kg), as averaged over the entire mass of the body. Expert organizations have determined that adverse biological effects may occur above this SAR.

FCC exposure limits are also frequency dependent, in response to data showing that the human body absorbs RF energy at some frequencies more efficiently than at others. As listed OET 65, Table 1 of Appendix A and 47 CFR 1.1310 Table 1, the most restrictive limits occur in the frequency range of 30-300 MHz where whole-body absorption of RF energy by human beings is most efficient. At other frequencies whole-body absorption is less efficient and the corresponding MPE limits are less restrictive.

Current MPE limits are derived by incorporating safety factors that lead, in some cases, to limits that are more conservative than the limits originally adopted by the FCC in 1985. Where more conservative limits exist they do not arise from a fundamental change in the RF safety criteria for whole-body averaged SAR, but from a precautionary desire to protect subgroups of the general population who, potentially, may be more at risk. The object of the various limits, including those in the FCC rules, is to limit SAR due to occupational/controlled exposures to 0.4W/kg or less (time averaged over any six minute period). This incorporates a safety factor of 10. Regarding exposures to the general public and anyone who may not be aware of the potential for RF exposure, the limit is set at 0.08 W/kg (time averaged over any 30 minute period. This incorporates a safety factor of 50.

The FCC makes it clear that the MPE limits are exposure limits, not emission limits and therefore apply only in accessible areas. Fundamentally, in areas that are considered normally inaccessible, the exposure limits do not apply.

7.0 TABLE OF FCC RF EXPOSURE LIMITS (47 CFR 1.1310 TABLE 1)

Table 1. LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

(A) Limits for Occupational/Controlled Exposure

| Frequency | Electric Field | Magnetic Field | Power Density | Averaging Time |
|-----------|----------------|----------------|---------------|----------------|
|-----------|----------------|----------------|---------------|----------------|

¹⁶ "Biological Effects and Exposure Criteria for Radiofrequency Electromagnetic Fields," NCRP Report No. 86 (1986), National Council on Radiation Protection and Measurements (NCRP), Bethesda, MD. The NCRP is a non-profit corporation chartered by the U.S. Congress to develop information and recommendations concerning radiation protection.

¹⁷ ANSI/IEEE C95.1-1992, "Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz." Copyright 1992, The Institute of Electrical and Electronics Engineers, Inc., New York, NY. The 1992 ANSI/IEEE exposure guidelines for field strength and power density are similar to those of NCRP Report No. 86 for most frequencies except those above 1.5 GHz.

¹⁸ Specific absorption rate is a measure of the rate of energy absorption by the body. SAR limits are specified for both whole-body exposure and for partial-body or localized exposure (generally specified in terms of spatial peak values).

| Range (MHz) | Strength (E) (V/m) | Strength (H) (A/m) | (S) (mW/cm ²) | 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 |

(B) Limits for General Population/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 | 30- |
| 1.34-30 | 824/f | 2.19/f | (180/f ²)* | 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

NOTE 1: **Occupational/controlled** limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure. Limits for occupational/controlled exposure also apply in situations when an individual is transient through a location where occupational/controlled limits apply provided he or she is made aware of the potential for exposure.

NOTE 2: **General population/uncontrolled** exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or can not exercise control over their exposure.

8.0 DEFINITIONS AND GLOSSARY OF TERMS (FROM OET BULLETIN 65)

The following is directly from OET Bulletin 65, edition 97-01 and are standard terminology used in studies of human exposure to RF electromagnetic fields, including in this report.

These definitions are adapted from those included in the American National Standards Institute (ANSI) 1992 RF exposure standard [Reference 1], from NCRP Report No. 67 [Reference 19] and from the FCC's Rules (47 CFR § 2.1 and § 1.1310).

Average (temporal) power. The time-averaged rate of energy transfer.

Averaging time. The appropriate time period over which exposure is averaged for purposes of determining compliance with RF exposure limits (discussed in more detail in Section 1 of OET 65).

Continuous exposure. Exposure for durations exceeding the corresponding averaging time.

Decibel (dB). Ten times the logarithm to the base ten of the ratio of two power levels.

Duty factor. The ratio 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 transmissions. A duty factor of 1.0 corresponds to continuous operation.

Effective radiated power (ERP) (in a given direction). The product of the power supplied to the antenna and its gain relative to a half-wave dipole in a given direction.

Equivalent Isotropically 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.

Electric field strength (E). A field vector quantity that represents the force (**F**) on an infinitesimal unit positive test charge (**q**) at a point divided by that charge. Electric field strength is expressed in units of volts per meter (V/m).

Energy density (electromagnetic field). The electromagnetic energy contained in an infinitesimal volume divided by that volume.

Exposure. Exposure occurs whenever and wherever a person is subjected to electric, magnetic or electromagnetic fields other than those originating from physiological processes in the body and other natural phenomena.

Exposure, partial-body. Partial-body exposure results when RF fields are substantially nonuniform over the body. Fields that are nonuniform over volumes comparable to the human body may occur due to highly directional sources, standing-waves, re-radiating sources or in the near field. See **RF "hot spot"**.

Far-field region. That region of the field of an antenna where the angular field distribution is essentially independent of the distance from the antenna. In this region (also called the free space region), the field has a predominantly plane-wave character, i.e., locally uniform distribution of electric field strength and magnetic field strength in planes transverse to the direction of propagation.

Gain (of an antenna). The ratio, usually expressed in decibels, of the power required at the input of a loss-free reference antenna to the power supplied to the input of the given antenna to produce, in a given direction, the same field strength or the same power density at the same distance. When not specified otherwise, the gain refers to the direction of maximum radiation. Gain may be considered for a specified polarization. Gain may be referenced to an isotropic antenna (dBi) or a half-wave dipole (dBd).

General population/uncontrolled exposure. For FCC purposes, applies to human exposure to RF fields when the general public is 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 always fall under this category when exposure is not employment-related.

Hertz (Hz). The unit for expressing frequency, (*f*). One hertz equals one cycle per second.

Magnetic field strength (H). A field vector that is equal to the magnetic flux density divided by the permeability of the medium. Magnetic field strength is expressed in units of amperes per meter (A/m).

Maximum permissible exposure (MPE). The rms and peak electric and magnetic field strength, their squares, or the plane-wave equivalent power densities associated with these fields to which a person may be exposed without harmful effect and with an acceptable safety factor.

Near-field region. A region generally in proximity to an antenna or other radiating structure, in which the electric and magnetic fields do not have a substantially plane-wave character, but vary considerably from point to point. The near-field region is further subdivided into the reactive near-field region, which is closest to the radiating structure and that contains most or nearly all of the stored energy, and the radiating near-field region where the radiation field predominates over the reactive field, but lacks substantial plane-wave character and is complicated in structure. For most antennas, the outer boundary of the reactive near field region is commonly taken to exist at a distance of one-half wavelength from the antenna surface.

Occupational/controlled exposure. For FCC purposes, applies to human exposure to RF fields when persons are exposed as a consequence of their employment and in which those persons who are exposed have been made fully aware of the potential for exposure and can exercise control over their exposure. Occupational/controlled exposure limits also apply where exposure is of a transient nature as a result of incidental passage through a location where exposure levels may be above general population/uncontrolled limits (see definition above), as long as the exposed person has been made fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

Peak Envelope Power (PEP). The average power supplied to the antenna transmission line by a radio transmitter during one radiofrequency cycle at the crest of the modulation envelope taken under normal operating conditions.

Power density, average (temporal). The instantaneous power density integrated over a source repetition period.

Power density (S). Power per unit area normal to the direction of propagation, usually expressed in units of watts per square meter (W/m^2) or, for convenience, units such as milliwatts per square centimeter (mW/cm^2) or microwatts per square centimeter ($\mu\text{W}/\text{cm}^2$). For plane waves, power density, electric field strength (E) and magnetic field strength (H) are related by the impedance of free space, i.e., 377 ohms, as discussed in Section 1 of this bulletin. Although many survey instruments indicate power density units ("far-field equivalent" power density), the actual quantities measured are E or E^2 or H or H^2 .

Power density, peak. The maximum instantaneous power density occurring when power is transmitted.

Power density, plane-wave equivalent or far-field equivalent. A commonly-used term associated with any electromagnetic wave, equal in magnitude to the power density of a plane wave having the same electric (E) or magnetic (H) field strength.

Radiofrequency (RF) spectrum. Although the RF spectrum is formally defined in terms of frequency as extending from 0 to 3000 GHz, for purposes of the FCC's exposure guidelines, the frequency range of interest is 300 kHz to 100 GHz.

Re-radiated field. An electromagnetic field resulting from currents induced in a secondary, predominantly conducting object by electromagnetic waves incident on that object from one or more primary radiating structures or antennas. Re-radiated fields are sometimes called "reflected" or more correctly "scattered fields." The scattering object is sometimes called a "re-radiator" or "secondary radiator".

RF "hot spot." A highly localized area of relatively more intense radio-frequency radiation that manifests itself in two principal ways:

- (1) The presence of intense electric or magnetic fields immediately adjacent to conductive objects that are immersed in lower intensity ambient fields (often referred to as re-radiation), and
- (2) Localized areas, not necessarily immediately close to conductive objects, in which there exists a concentration of RF fields caused by reflections and/or narrow beams produced by high-gain radiating antennas or other highly directional sources. In both cases, the fields are characterized by very rapid changes in field strength with distance. RF hot spots are normally associated with very nonuniform exposure of the body (partial body exposure). This is not to be confused with an actual thermal hot spot within the absorbing body.

Root-mean-square (rms). The effective value, or the value associated with joule heating, of a periodic electromagnetic wave. The rms value is obtained by taking the square root of the mean of the squared value of a function.

Scattered radiation. An electromagnetic field resulting from currents induced in a secondary, conducting or dielectric object by electromagnetic waves incident on that object from one or more primary sources.

Short-term exposure. Exposure for durations less than the corresponding averaging time.

Specific absorption rate (SAR). A measure of the rate of energy absorbed by (dissipated in) an incremental mass contained in a volume element of dielectric materials such as biological tissues. SAR is usually expressed in terms of watts per kilogram (W/kg) or milliwatts per gram (mW/g). Guidelines for human exposure to RF fields are based on SAR thresholds where adverse biological effects may occur. When the human body is exposed to an RF field, the SAR experienced is proportional to the squared value of the electric field strength induced in the body.

Wavelength (λ). The wavelength (λ) of an electromagnetic wave is related to the frequency (f) and velocity (v) by the expression $v = f\lambda$. In free space the velocity of an electromagnetic wave is equal to the speed of light, i.e., approximately 3×10^8 m/s.

9.0 REFERENCES

- [1] FCC OET Bulletin 65, "Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields", Edition 97-01, August 1997.
- [2] FCC 47 CFR 1.1307 Parts 1, 2, 15, 24 and 97.
- [3] FCC OET Bulletin 56, "Questions and Answers about Biological Effects and Potential Hazards of Radiofrequency Electromagnetic Fields", Fourth Edition, August 1999.
- [4] FCC 47 CFR 1.1310 "Practice and procedure, Radiofrequency radiation exposure limits"
- [5] NARDA "Non-Ionizing Radiation Handbook"
- [6] Rutgers University, "Management of Electromagnetic Energy Hazards", October 1993.
- [7] Telecommunications Act of 1996
- [8] *Report and Order*, ET Docket 93-62, FCC 96-326, adopted August 1, 1996, 61 Federal Register 41,006 (1996), 11 FCC Record 15,123 (1997).
- [9] "Biological Effects and Exposure Criteria for Radiofrequency Electromagnetic Fields," NCRP Report No. 86 (1986), National Council on Radiation Protection and Measurements (NCRP), Bethesda, MD.
- [10] ANSI/IEEE C95.1-1992, "Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz." Copyright 1992, The Institute of Electrical and Electronics Engineers, Inc., New York, NY.
- [11] Tell, R.A., "CTIA's EME design and operations considerations for wireless antenna sites," Technical Report for the Cellular Telecommunications Industry Association, Washington, DC, prepared by Richard A. Tell Associates, Inc., Las Vegas, NY 1996
- [12] IEEE C95.3-2002 "Practice for Measurements and Computations of Radio Frequency Electromagnetic Fields with Respect to Human Exposure to Such Fields, 100 kHz-300 GHz" ANSI/IEEE, The Institute of Electrical and Electronic Engineers Inc., (IEEE), New York, NY 10017
- [13] IEEE C95.7-2005 "IEEE Recommended Practice for Radio Frequency Safety Programs, 3 kHz to 300 GHz" ANSI/IEEE. The Institute of Electrical and Electronic Engineers Inc., (IEEE), New York, NY 10017



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| A | <input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS ONLY | N | N | 7012343878 | 5/1/2025 | 5/1/2026 | COMBINED SINGLE LIMIT (Ea accident) \$ 5,000,000 BODILY INJURY (Per person) \$ XXXXXXXX BODILY INJURY (Per accident) \$ XXXXXXXX PROPERTY DAMAGE (Per accident) \$ XXXXXXXX \$ XXXXXXXX |
| B B B | <input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 10,000 | N | N | 7014886953 SIR applies per policy terms & conditions | 5/1/2025 | 5/1/2026 | EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000 \$ XXXXXXXX |
| B B C | <input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below | Y/N <input checked="" type="checkbox"/> N | N/A | 7012343895 (AOS) 7012343881 (CA) 7012447142 (AZ,MA,OR,WI) | 5/1/2025 5/1/2025 5/1/2025 | 5/1/2026 5/1/2026 5/1/2026 | <input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 2,000,000 E.L. DISEASE - EA EMPLOYEE \$ 2,000,000 E.L. DISEASE - POLICY LIMIT \$ 2,000,000 |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
NY10253B - 17 Maple Ave, Warwick, NY

CERTIFICATE HOLDER**CANCELLATION** See Attachment

| | |
|--|--|
| 22034166 Village of Warwick 77 Main Street Warwick NY 10990 | 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  |

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Village of Warwick
77 Main Street
Warwick NY 10990

IMPORTANT NOTICE

Dear Certificate Holder for T-Mobile and its subsidiaries (including Sprint):

In our continued effort to provide timely certificate delivery, Lockton Companies is transitioning to paperless delivery of Certificates of Insurance going forward.

To ensure future renewals of this certificate, we need your email address. Please contact us via one of the methods below, referencing **Certificate ID 22034166**

- Email: stl-edelivery@lockton.com
- Phone: 314-812-3888

If we do not receive your email address via one of the above methods prior to the client's next renewal, we will assume you no longer need the certificate.

If you received this certificate through an internet link where the current certificate is viewable, we have your email and no further action is needed.

The above inbox is for collecting email addresses for renewal electronic certificate delivery ONLY. You will not receive a response from this inbox.

Thank you for your cooperation.

Lockton Companies

Date: March 15, 2024



Ericsson

Sinnott Gering and Schmitt Towers, Inc.
14708 Custer Rd Suite 102
Omaha, NE 68138
(844) 886-9377
Engineering@sgstowers.com

Subject: Equipment Platform Analysis Report

Carrier Designation: T-Mobile Equipment Change-Out
Carrier Site Number: NY10253B
Carrier Site Name: St. Anthony Community Hospital

Engineering Firm Designation: SGS Towers Report Designation: 2403525

Site Data: 17 Maple Ave, Warwick, NY 10990 (Orange County)
Latitude 41.2614, Longitude -74.3578

Structure Information: Structure Type: Equipment Platform

Sinnott Gering and Schmitt Towers, Inc. is pleased to submit this "Equipment Platform Analysis Report" to determine the structural integrity of T-Mobile's equipment mounting system with the proposed equipment addition.

The purpose of the analysis is to determine acceptability of the equipment platform stress level. Based on our analysis we have determined the equipment platform stress level to be:

| | | |
|--------------------|-------|------------|
| Equipment Platform | 95.7% | Sufficient |
|--------------------|-------|------------|

The analysis has been performed in accordance with the 2018 International Building Code based upon an ultimate 3-second gust wind speed of 126 mph. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

We at SGS Towers appreciate the opportunity of providing our continuing professional services to Ericsson. If you have any questions or need further assistance on this or any other projects, please give us a call.

Mount analysis prepared by: Tim Wordekemper, EI
Respectfully Submitted by:

DS



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Calculations & Analysis Summary

1) INTRODUCTION

This is a 16.5 ft x 9.5 ft equipment platform mounted to the exterior wall and lower rooftop of the hospital building. Concealment paneling is installed on the equipment platform, shielding all the cabinet equipment from wind.

2) ANALYSIS CRITERIA

| | |
|---|-----------------------------|
| Building Code: | 2018 IBC |
| Risk Category: | IV |
| Ultimate Wind Speed: | 126 mph |
| Exposure Category: | B |
| Topographic Factor (K_{zt}): | 1.0 |
| Design Ice Thickness: | 1.0 in |
| Wind Speed with Ice: | 40 mph |
| Rooftop Wind Speed-up Factor (K_s): | 1.0 |
| Seismic Parameters: | S_s : 0.245 / S_1 0.057 |
| Live Loading: | 40 psf |
| Ground Snow Loading: | 35 psf |

Table 1 – Final Equipment Configuration

| Equipment Quantity | Equipment Model | Feed Lines (Quantity) Size |
|--------------------|------------------------------------|---|
| 2 | GPS | (3) Hybrid 6x24 4AWG (3) Hybrid 6x12 HCS |
| 1 | PPC Cabinet | |
| 1 | Telco Cabinet | |
| 1 | Ericsson B160 BATTERY CABINET | |
| 1 | Ericsson RBS 6131 CABINET | |
| 1 | Ericsson 6160 SITE SUPPORT CABINET | |
| 1 | CSR IXRE V2 (GEN2) (Inside) | |
| 1 | Ericsson RP 6651 (N2500) (Inside) | |

3) ANALYSIS PROCEDURE

Table 2 - Documents Provided

| Document | Remarks | Source |
|----------------------------------|--|----------|
| RF Data Sheet | NY10253B Anchor 12 draft 2024-02-12 | Ericsson |
| Preliminary Construction Drawing | Ericsson / NY10253B Construction Drawings Rev 1 dated 02/13/2024 | Ericsson |
| Previous Structural Analysis | Infinigy / Job No. 499-052, dated 09/23/2018 | Ericsson |
| Mapping Photos | SGS Towers / Project No. 2312073, dated 01/11/2024 | SGS |

3.1) Analysis Method

RISA-3D (Version 21.0.1), a commercially available analysis software package, was used to create a three-dimensional model of the antenna mounting system and calculate member stresses for various loading cases.

3.2) Assumptions

- 1) The equipment platform was properly fabricated, installed and maintained in good condition in accordance with its original design and manufacturer's specifications.
- 2) The configuration of equipment, mounts, and other appurtenances are as specified in Table 1 and the referenced drawings.
- 3) All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.
- 4) Steel grades have been assumed as follows, unless noted otherwise:

| | |
|------------------------------------|--------------------|
| Channel, Solid Round, Angle, Plate | ASTM A36 (GR 36) |
| HSS (Rectangular) | ASTM 500 (GR B-46) |
| Pipe | ASTM A53 (GR 35) |
| Connection Bolts | ASTM A325 |
| U-Bolts | ASTM A307 |
| Platform Beam W-Shape | ASTM A36 (GR 36) |
| Roof Beam W-Shape | ASTM A992 |

This analysis may be affected if any assumptions are not valid or have been made in error. SGS Towers should be notified to determine the effect on the structural integrity of the antenna mounting system.

4) ANALYSIS RESULTS

Table 3 – Equipment Platform Component Stresses vs. Capacity

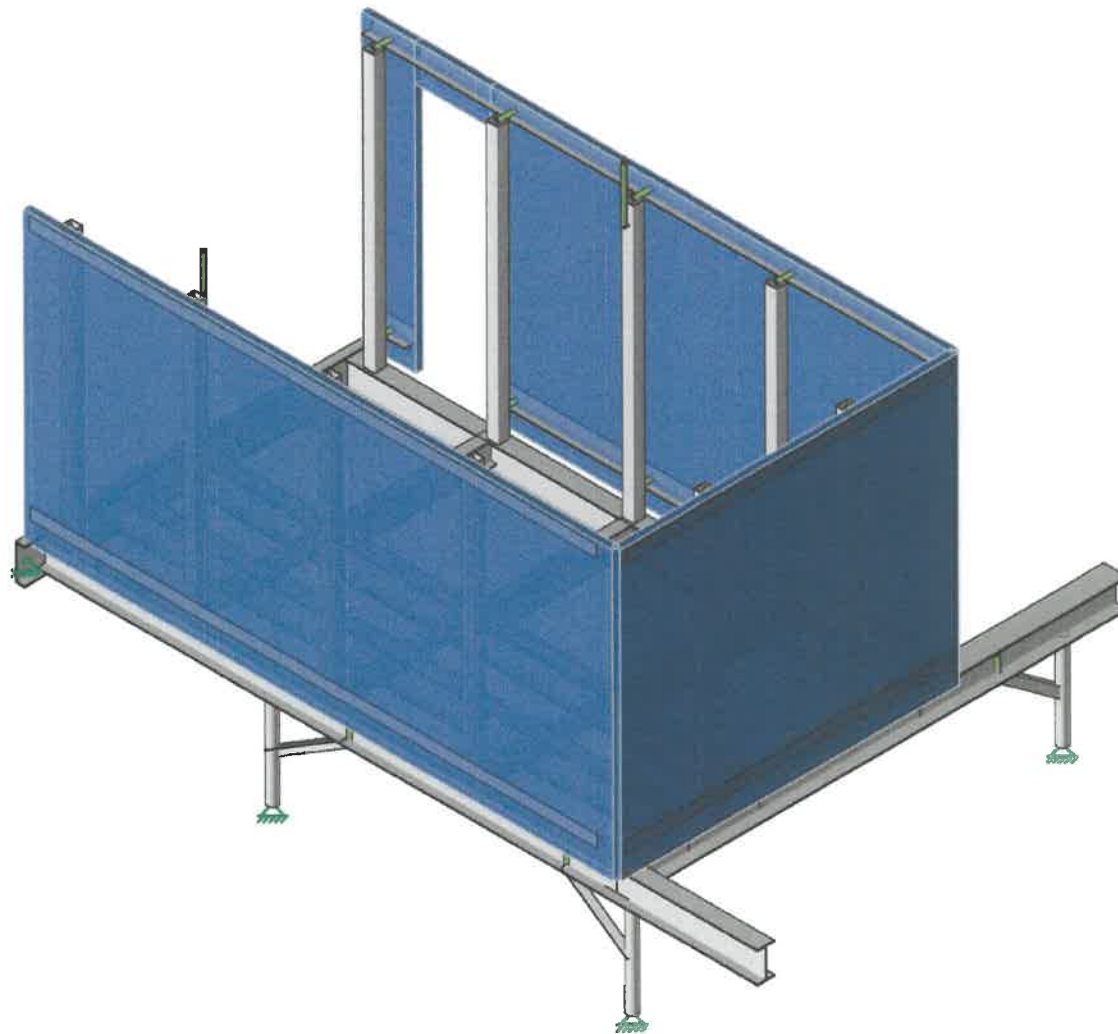
| Component | % Capacity | Pass / Fail |
|-----------------------|------------|-------------|
| Platform Post | 95.7 | Pass |
| Panel Horizontal | 74.3 | Pass |
| Panel Post | 51.4 | Pass |
| Kicker Brace | 41.1 | Pass |
| Platform Beam (Long) | 37.0 | Pass |
| Platform Outer Beam | 20.3 | Pass |
| Roof Check | 60.8 | Pass |
| Wall Connection Check | 35.8 | Pass |

| | |
|---|--------------|
| Structure Rating (max from all components) = | 95.7% |
|---|--------------|

4.1) Recommendations

The equipment platform has sufficient capacity to carry the proposed loading configuration. No modifications required at this time.

APPENDIX A
CALCULATIONS & ANALYSIS SUMMARY



SGS Towers, Inc.
Tim Wordekemper
2403525

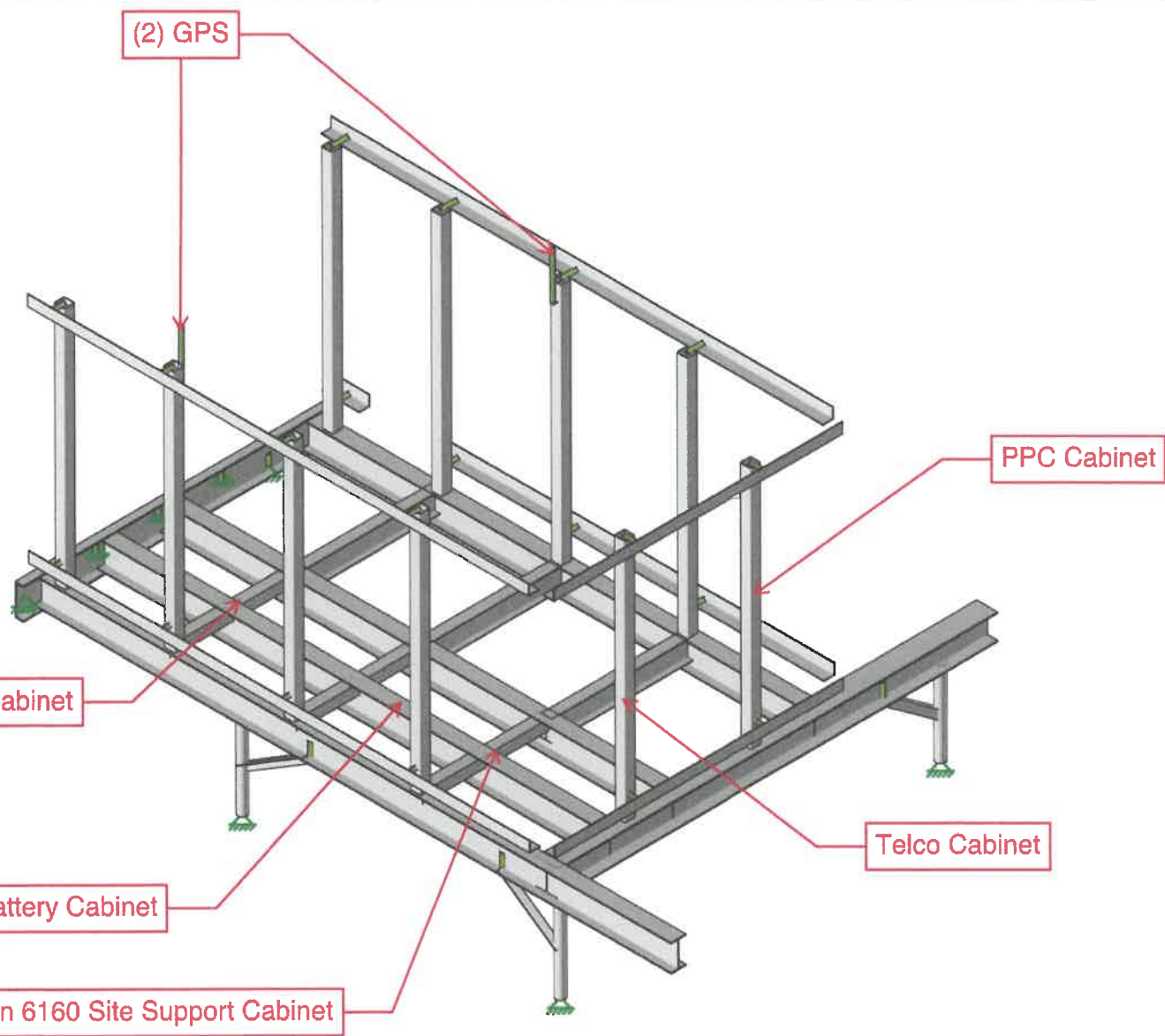
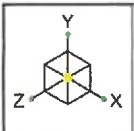
NY10253B (St. Anthony Community Hospital)

Platform Rendering

SK-1

Mar 13, 2024 at 03:25 PM

2403525 - Mount Rushmore 2023-03-14.r3d



SGS Towers, Inc.
Tim Wordekemper
2403525

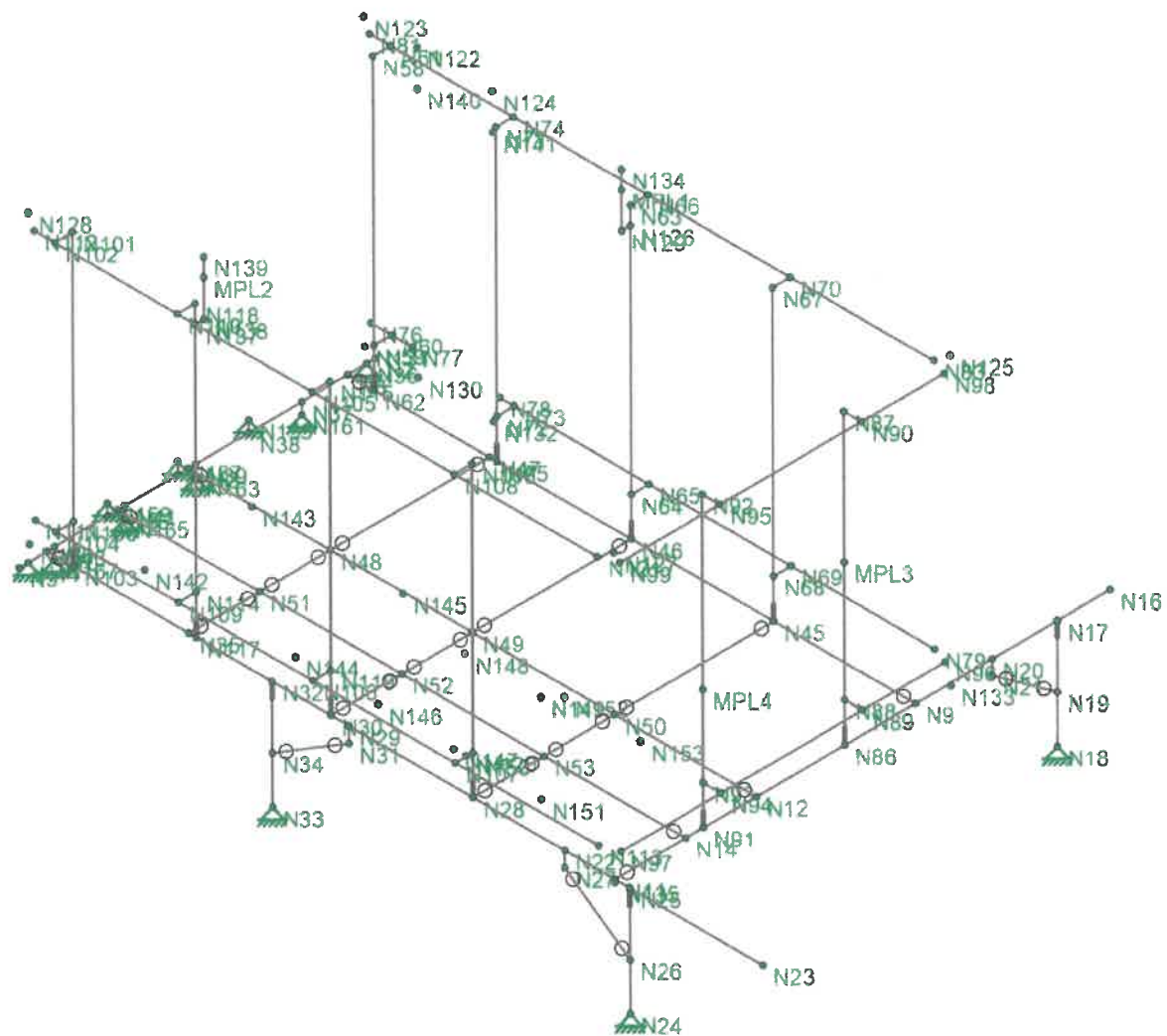
NY10253B (St. Anthony Community Hospital)

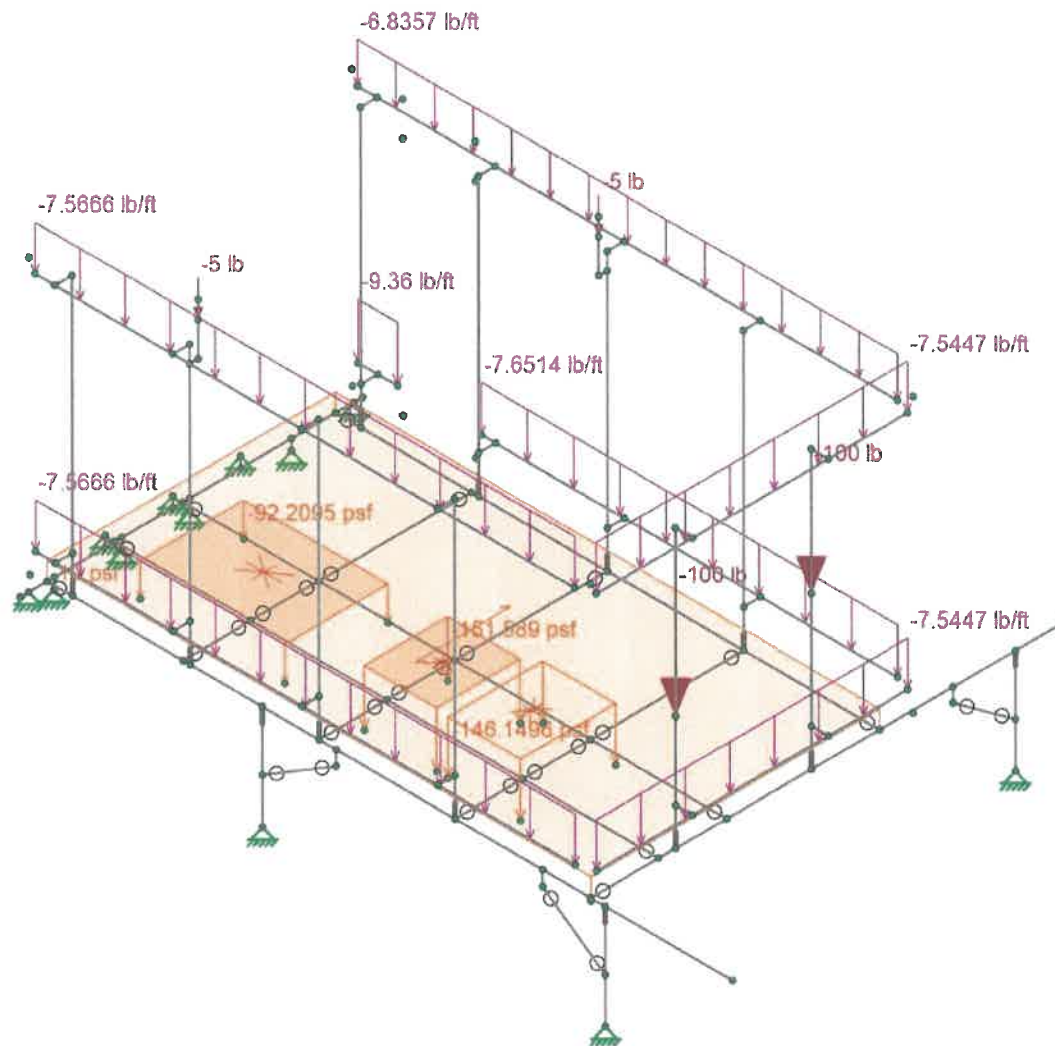
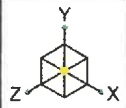
Equipment Configuration

SK-2

Mar 13, 2024 at 03:26 PM

2403525 - Mount Rushmore 2023-03-14.r3d





Loads: BLC 1, Bare Weight



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Tim Wordekemper
2403525

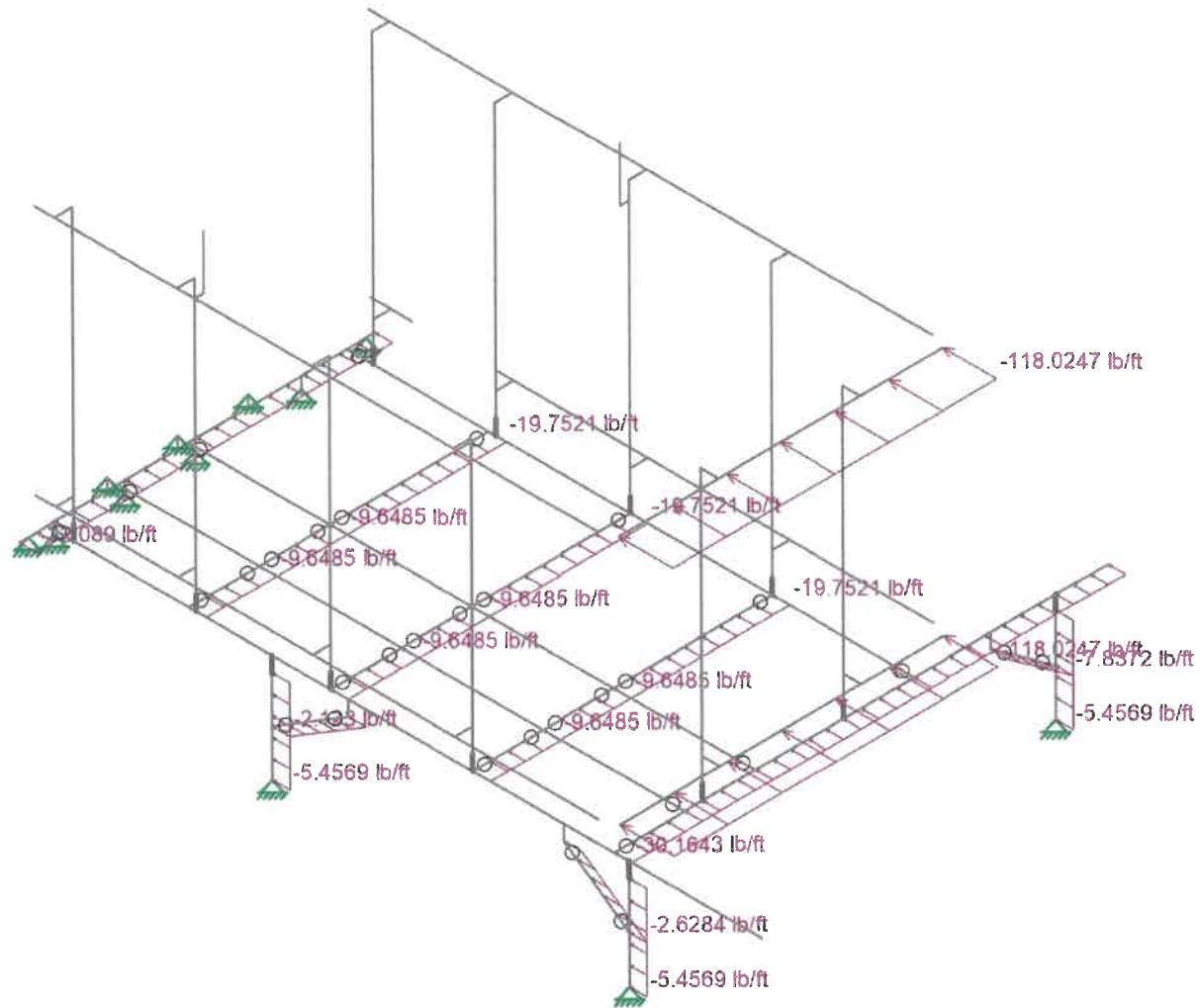
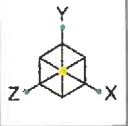
NY10253B (St. Anthony Community Hospital)

Loading - Dead

SK-4

Mar 13, 2024 at 04:43 PM

2403525 - Roof Check.r3d



Loads: BLC 3, Wind (bare) 0



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Tim Wordekemper
2403525

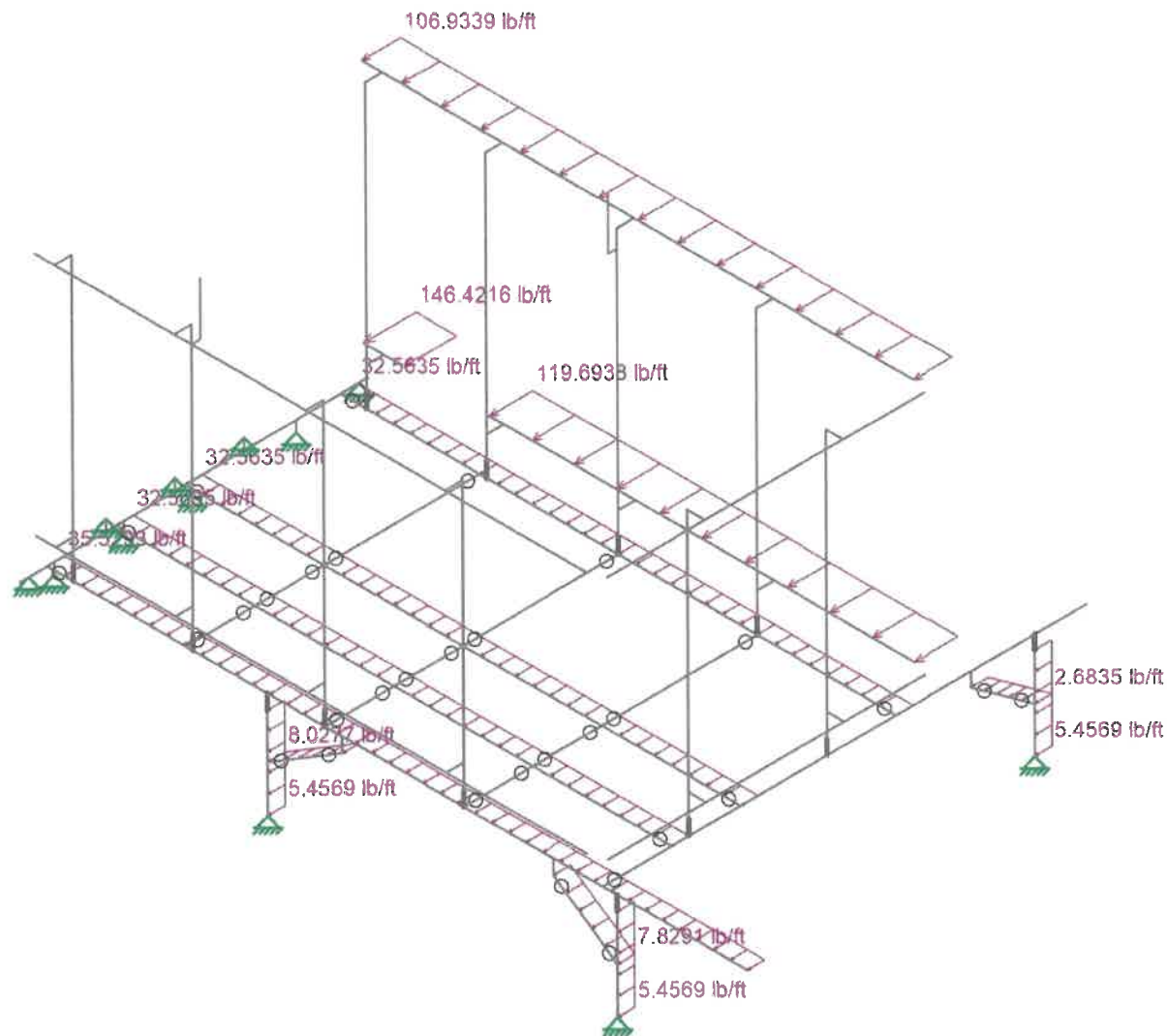
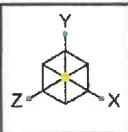
NY10253B (St. Anthony Community Hospital)

Loading - Wind 0°

SK-5

Mar 13, 2024 at 03:28 PM

2403525 - Mount Rushmore 2023-03-14.r3d



Loads: BLC 6, Wind (bare) 90



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Tim Wordekemper
2403525

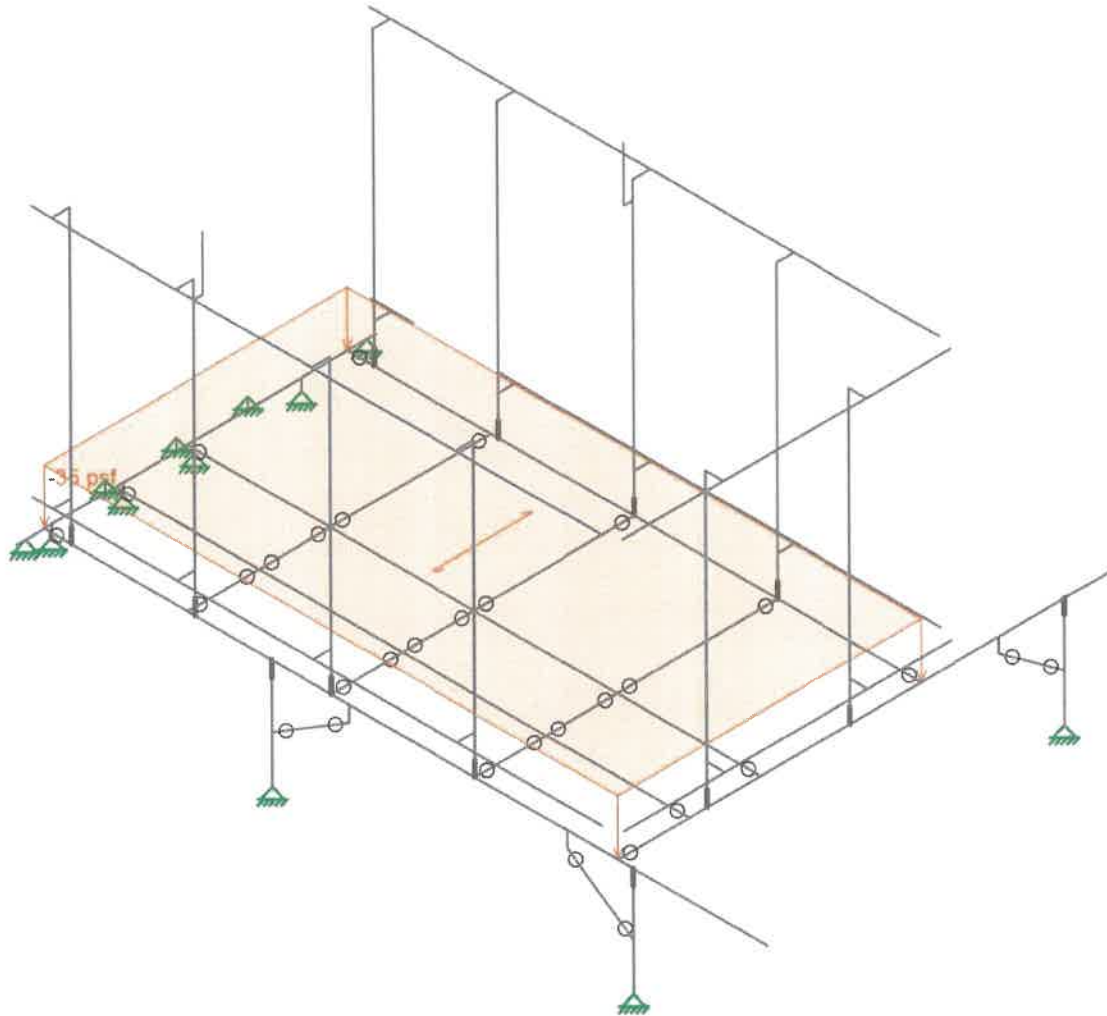
NY10253B (St. Anthony Community Hospital)

Loading - Wind 90°

SK-6

Mar 13, 2024 at 03:28 PM

2403525 - Mount Rushmore 2023-03-14.r3d



Loads: BLC 42, Snow



SGS Towers, Inc.
Tim Wordekemper
2403525

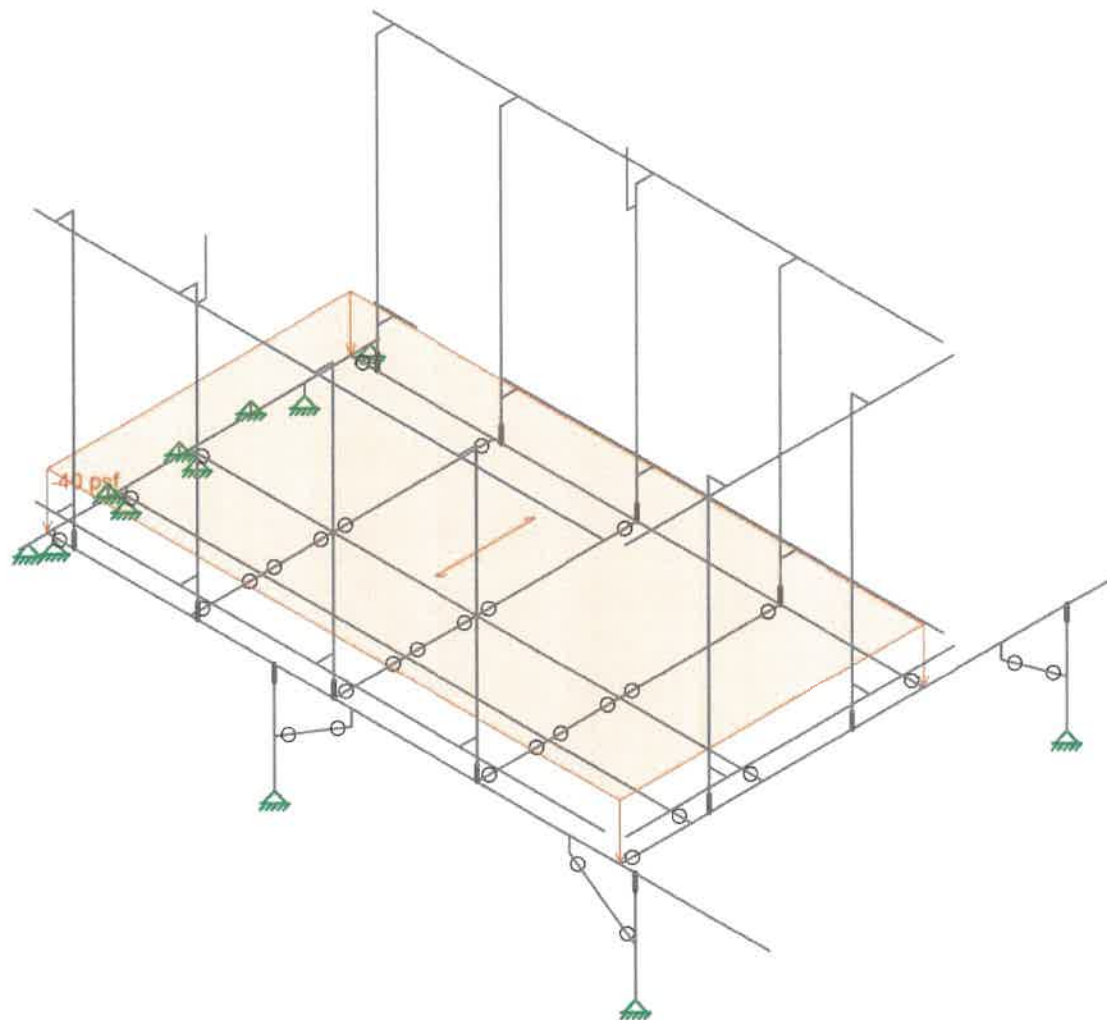
NY10253B (St. Anthony Community Hospital)

Loading - Snow

SK-7

Mar 13, 2024 at 03:28 PM

2403525 - Mount Rushmore 2023-03-14.r3d



Loads: BLC 43, Live



SGS Towers, Inc.
Tim Wordekemper
2403525

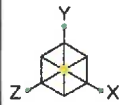
NY10253B (St. Anthony Community Hospital)

Loading - Snow

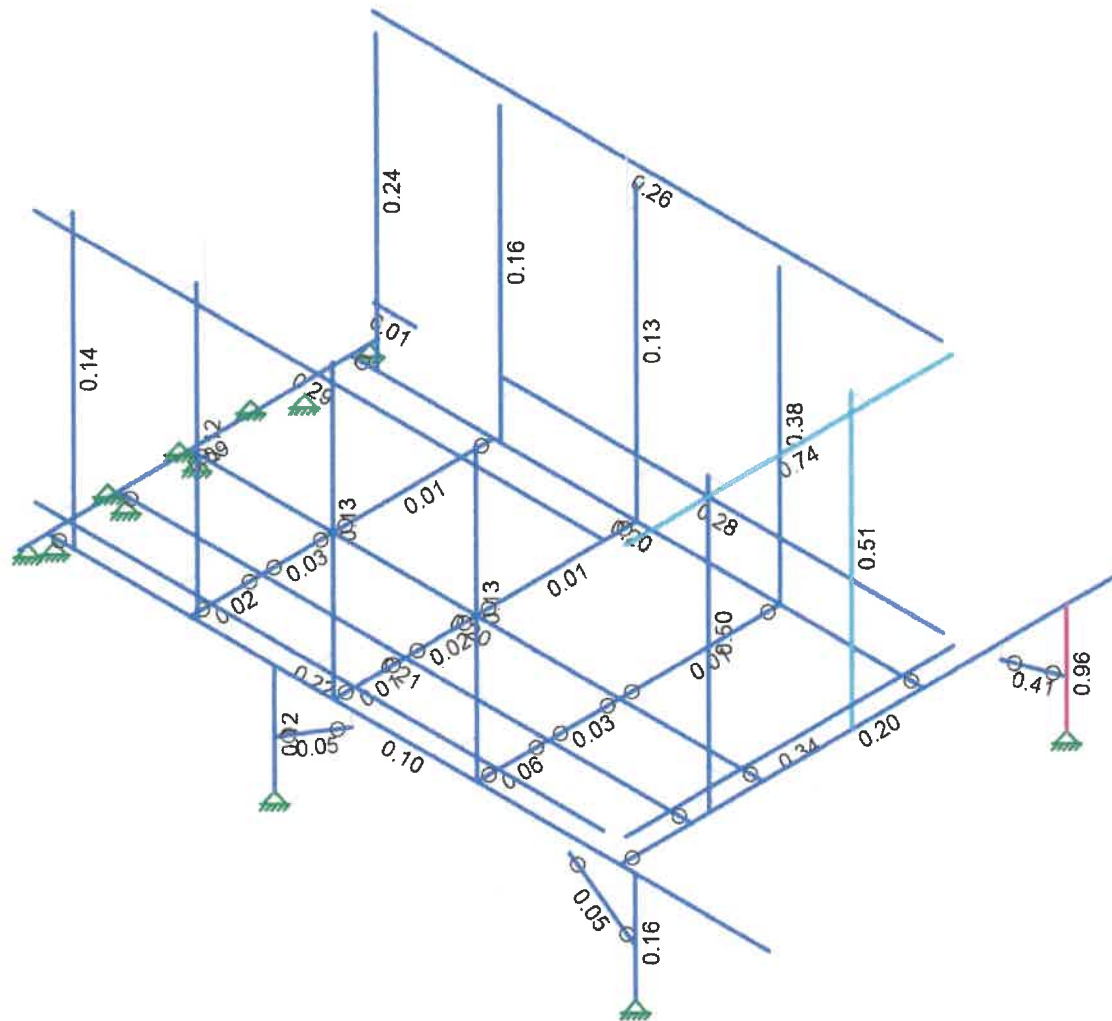
SK-8

Mar 13, 2024 at 03:29 PM

2403525 - Mount Rushmore 2023-03-14.r3d



| Code Check (Env) | |
|------------------|--|
| No Calc | |
| > 1.0 | |
| .90-1.0 | |
| .75-.90 | |
| .50-.75 | |
| 0-.50 | |



Member Code Checks Displayed (Enveloped)



SGS Towers, Inc.
Tim Wordekemper
2403525

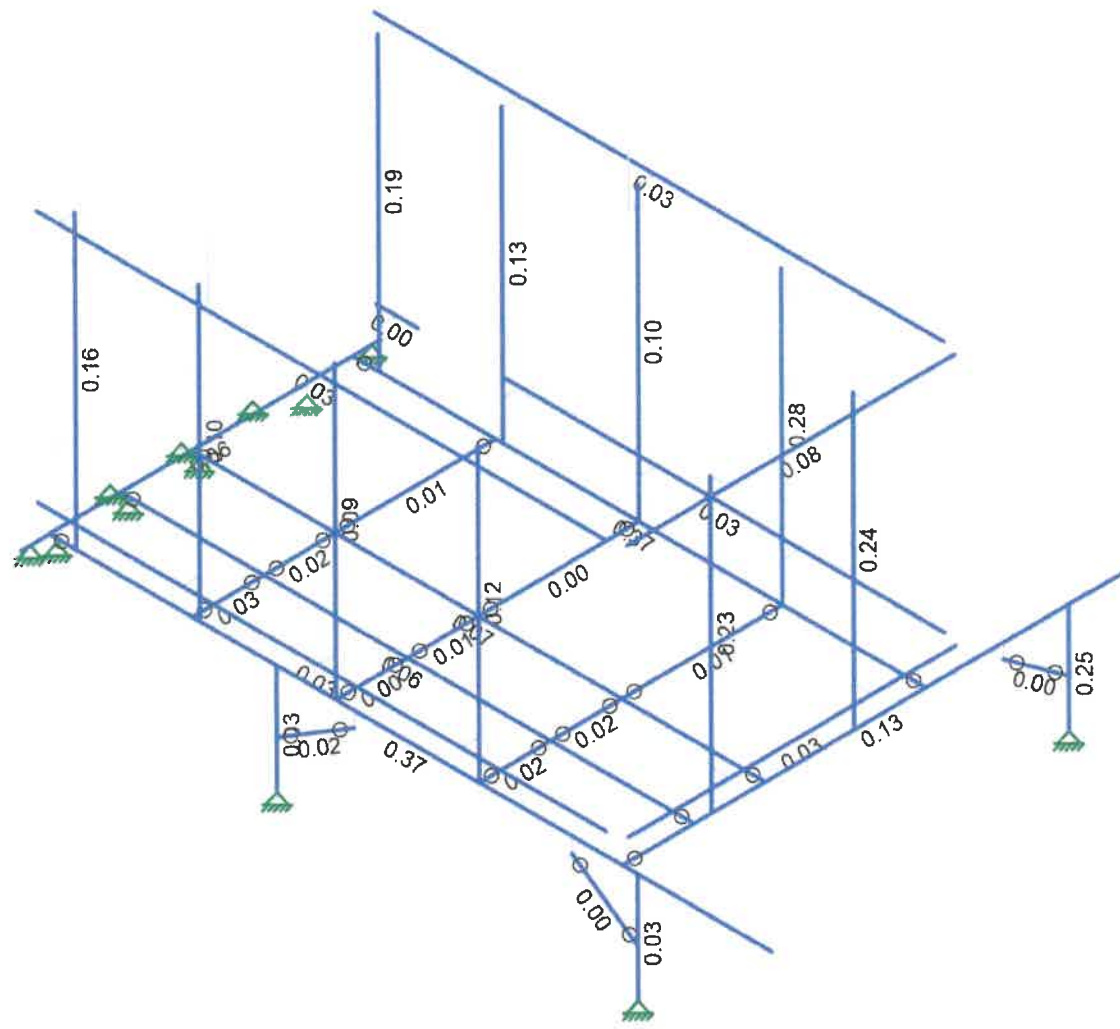
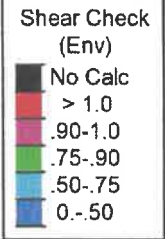
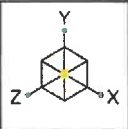
NY10253B (St. Anthony Community Hospital)

Unity Bending Check


SK-9

Mar 13, 2024 at 03:30 PM

2403525 - Mount Rushmore 2023-03-14.r3d



Member Shear Checks Displayed (Enveloped)

| | | | |
|---|------------------|---|---|
|  | SGS Towers, Inc. | NY10253B (St. Anthony Community Hospital) | SK-10 |
| | Tim Wordekemper | | |
| | 2403525 | | |
| | | Shear Check | Mar 13, 2024 at 03:31 PM |
| | | | 2403525 - Mount Rushmore 2023-03-14.r3d |



ASCE Hazards Report

Address:

No Address at This Location

Standard:

ASCE/SEI 7-16

Risk Category:

IV

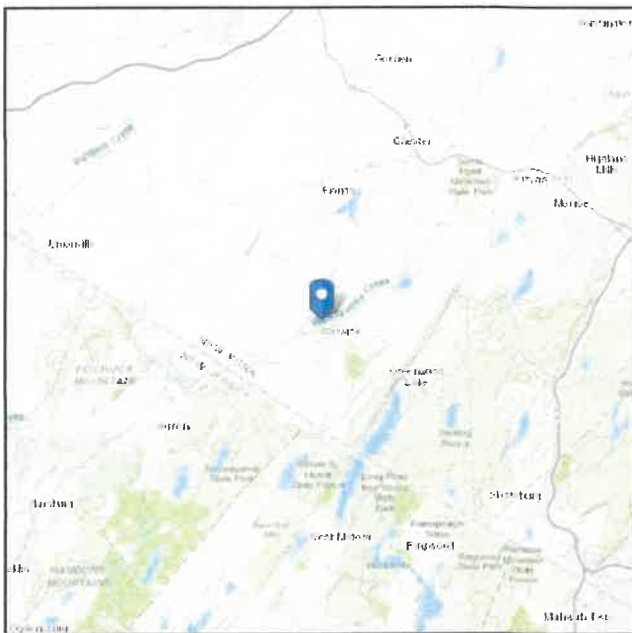
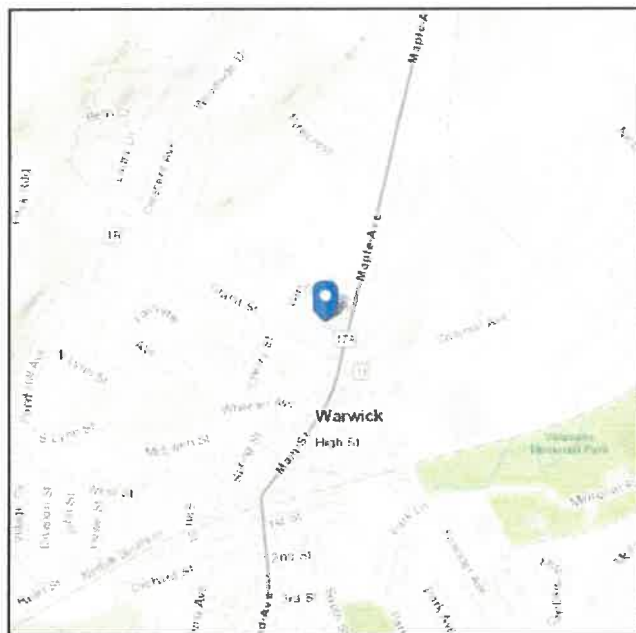
Soil Class:

D - Default (see
Section 11.4.3)

Latitude: 41.2614

Longitude: -74.3578

Elevation: 549.9239218954651 ft
(NAVD 88)



Wind

Results:

| | |
|--------------|----------|
| Wind Speed | 126 Vmph |
| 10-year MRI | 75 Vmph |
| 25-year MRI | 84 Vmph |
| 50-year MRI | 89 Vmph |
| 100-year MRI | 95 Vmph |

Data Source: ASCE/SEI 7-16, Fig. 26.5-1D and Figs. CC.2-1—CC.2-4, and Section 26.5.2

Date Accessed: Tue Mar 05 2024

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-16 Standard. Wind speeds correspond to approximately a 1.6% probability of exceedance in 50 years (annual exceedance probability = 0.00033, MRI = 3,000 years).

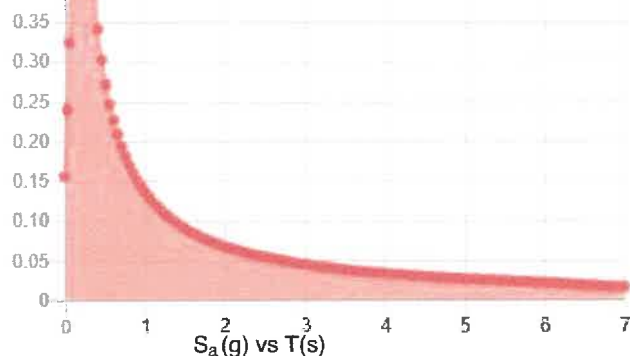
Site is not in a hurricane-prone region as defined in ASCE/SEI 7-16 Section 26.2.

Site Soil Class: D - Default (see Section 11.4.3)

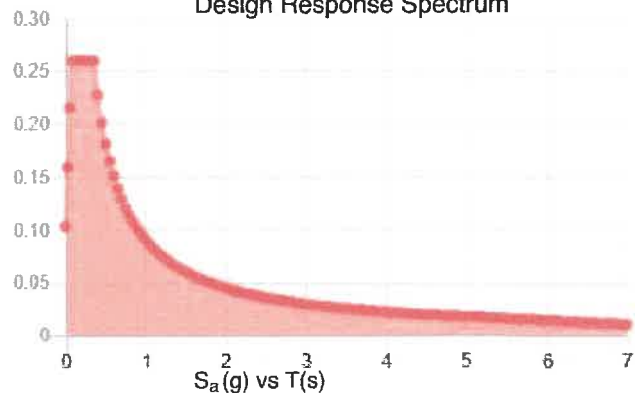
Results:

| | | | |
|------------|-------|-------------|-------|
| S_S : | 0.245 | S_{D1} : | 0.091 |
| S_1 : | 0.057 | T_L : | 6 |
| F_a : | 1.6 | PGA : | 0.145 |
| F_v : | 2.4 | PGA_M : | 0.219 |
| S_{MS} : | 0.391 | F_{PGA} : | 1.51 |
| S_{M1} : | 0.137 | I_e : | 1.5 |
| S_{DS} : | 0.261 | C_v : | 0.789 |

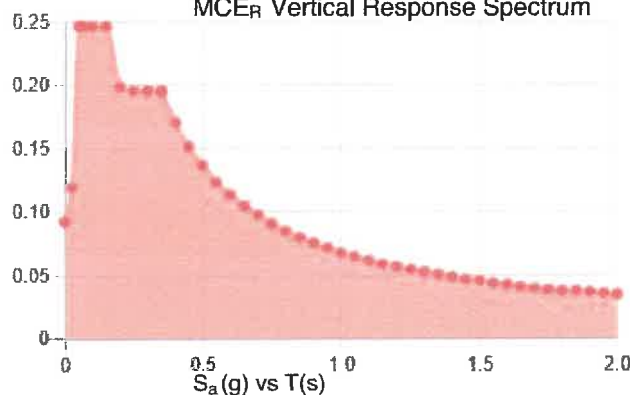
Seismic Design Category: C
MCE_R Response Spectrum



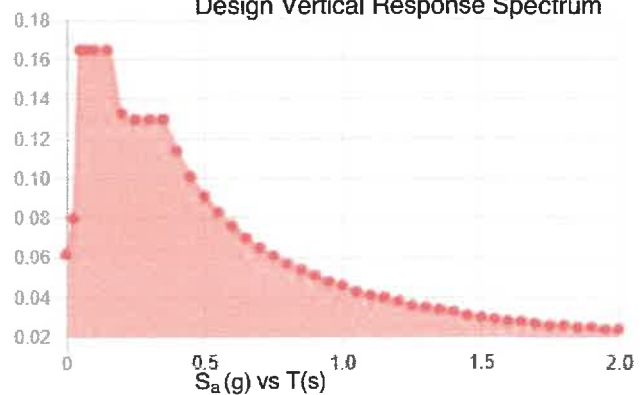
Design Response Spectrum



MCE_R Vertical Response Spectrum



Design Vertical Response Spectrum



Data Accessed: Tue Mar 05 2024

Date Source:

USGS Seismic Design Maps based on ASCE/SEI 7-16 and ASCE/SEI 7-16 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-16 Ch. 21 are available from USGS.

Ice

Results:

Ice Thickness: 1.00 in.
Concurrent Temperature: 15 F
Gust Speed 40 mph

Data Source: Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8

Date Accessed: Tue Mar 05 2024

Ice thicknesses on structures in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

Values provided are equivalent radial ice thicknesses due to freezing rain with concurrent 3-second gust speeds, for a 500-year mean recurrence interval, and temperatures concurrent with ice thicknesses due to freezing rain. Thicknesses for ice accretions caused by other sources shall be obtained from local meteorological studies. Ice thicknesses in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

Results:

Mapped Elevation: 549.9 ft
Data Source: ASCE/SEI 7-16, Table 7.2-8
Date Accessed: Tue Mar 05 2024

In "Case Study" areas, site-specific case studies are required to establish ground snow loads. Extreme local variations in ground snow loads in these areas preclude mapping at this scale.

Ground snow load determination for such sites shall be based on an extreme value statistical analysis of data available in the vicinity of the site using a value with a 2 percent annual probability of being exceeded (50-year mean recurrence interval).

Values provided are ground snow loads. In areas designated "case study required," extreme local variations in ground snow loads preclude mapping at this scale. Site-specific case studies are required to establish ground snow loads at elevations not covered.

Snow load values are mapped to a 0.5 mile resolution. This resolution can create a mismatch between the mapped elevation and the site-specific elevation in topographically complex areas. Engineers should consult the local authority having jurisdiction in locations where the reported 'elevation' and 'mapped elevation' differ significantly from each other.

The ASCE Hazard Tool is provided for your convenience, for informational purposes only, and is provided "as is" and without warranties of any kind. The location data included herein has been obtained from information developed, produced, and maintained by third party providers; or has been extrapolated from maps incorporated in the ASCE standard. While ASCE has made every effort to use data obtained from reliable sources or methodologies, ASCE does not make any representations or warranties as to the accuracy, completeness, reliability, currency, or quality of any data provided herein. Any third-party links provided by this Tool should not be construed as an endorsement, affiliation, relationship, or sponsorship of such third-party content by or from ASCE.

ASCE does not intend, nor should anyone interpret, the results provided by this Tool to replace the sound judgment of a competent professional, having knowledge and experience in the appropriate field(s) of practice, nor to substitute for the standard of care required of such professionals in interpreting and applying the contents of this Tool or the ASCE standard.

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Mount Analysis per TIA-222-H-2017 - Add. 1 (Nov. 2019) and the 2018 IBC.

| Basic Wind Speeds and Site Parameters | | | |
|---------------------------------------|----------------------------|---|-----------------------|
| Load Cases | Wind Speed V (mph) | Wind Pressure q_z (lb/ft ²) | |
| No Ice (Bare) | 126 | 23.726 | |
| Ice | 40 | 2.391 | |
| Maintenance | 30 | 1.502 | |
| Design Ice Thickness | t_i | 1 | in |
| Risk Category | | IV | TIA-222-H - Table 2-1 |
| Exposure Category | | B | TIA-222-H - 2.6.5.1.2 |
| Topographic factor | K_{zt} | 1.000 | TIA-222-H - 2.6.6.2.2 |
| Ground Elevation | z_s | 549.9 | ft |
| Mount Elevation CL | z | 23.6 | ft |

| Design Parameters Summary | | | |
|-----------------------------------|----------|-------|-----------------------|
| Velocity pressure coefficient | K_z | 0.700 | TIA-222-H - 2.6.5.2 |
| Rooftop wind speed-up factor | K_s | (N/A) | TIA-222-H - 2.6.7 |
| Ground elevation factor | K_e | 0.980 | TIA-222-H - 2.6.8 |
| Wind direction probability factor | K_d | 0.950 | TIA-222-H - 16.6 |
| Gust effect factor | G_h | 1.000 | TIA-222-H - 16.6 |
| Shielding factor | K_a | 0.900 | TIA-222-H - 16.6 |
| Radial ice thickness | t_{iz} | 1.209 | in TIA-222-H - 2.6.10 |

| Seismic Parameters Summary | | | |
|---------------------------------|----------|-------------|----------------------|
| Seismic site class | | D (Default) | |
| Spectral response, short | S_s | 0.245 | |
| Spectral response, 1 s | S_1 | 0.057 | |
| Design spectral response, 1 s | S_{D1} | 0.091 | TIA-222-H - 2.7.5 |
| Design spectral response, short | S_{DS} | 0.261 | TIA-222-H - 2.7.5 |
| Response modification coeff. | R | 2 | TIA-222-H - 16.7 |
| Seismic response coefficient | C_s | 0.163 | TIA-222-H - 16.7 |
| Earthquake amplification factor | A_s | 3 | TIA-222-H - 16.7 |
| Weight of mount + appurtenances | D, W | 7,062 | lb |
| Vertical seismic load effects | E_v | 369 | lb TIA-222-H - 2.7.6 |
| Horizontal seismic load effects | E_h | 3,460 | lb TIA-222-H - 2.7.7 |

| Maintenance Parameters Summary | | | |
|---------------------------------|-------|---|----|
| Vertical, at mount pipes | L_M | 0 | lb |
| Vertical, on horizontal members | L_V | 0 | lb |



Appurtenance Loading Summary

| Appurtenance: Make, Model | Qty | Height (in) | Width (in) | Depth (in) | Weight (lb) | Shape | Wind Force | |
|---------------------------------|-----|----------------|---------------|---------------|----------------|-------|---------------|--------------|
| | | | | | | | Front (lb) | Side (lb) |
| --- GPS | 2 | 6.00 | 3.00 | 3.00 | 5.00 | Round | 2 | 2 |
| --- PPC Cabinet | 1 | 60.00 | 25.00 | 10.00 | 100.00 | Flat | 267 | 121 |
| --- Telco Cabinet | 1 | 26.00 | 23.00 | 17.50 | 100.00 | Flat | 106 | 81 |
| --- B160 BATTERY CABINET | 1 | 63.00 | 25.60 | 29.50 | 795.00 | Flat | 287 | 331 |
| --- 6160 SITE SUPPORT CABINET | 1 | 63.00 | 25.60 | 33.60 | 873.00 | Flat | 287 | 377 |
| --- RBS 6131 CABINET | 1 | 64.00 | 51.00 | 36.50 | 1192.00 | Flat | 581 | 416 |



Company : SGS Towers, Inc.
 Designer : Tim Wordekemper
 Job Number : 2403525
 Model Name : NY10253B (St. Anthony Community H...

3/13/2024
 3:34:08 PM
 Checked By : _____

Basic Load Cases

| | BLC Description | Category | Y Gravity | Nodal | Distributed | Area(Member) |
|----|-----------------------------|----------|-----------|-------|-------------|--------------|
| 1 | Bare Weight | None | -1 | 12 | 7 | 4 |
| 2 | Ice Weight | None | | 12 | 72 | 4 |
| 3 | Wind (bare) 0° | None | | 15 | 58 | |
| 4 | Wind (bare) 30° | None | | 15 | 56 | |
| 5 | Wind (bare) 60° | None | | 15 | 56 | |
| 6 | Wind (bare) 90° | None | | 15 | 59 | |
| 7 | Wind (bare) 120° | None | | 15 | 56 | |
| 8 | Wind (bare) 150° | None | | 15 | 56 | |
| 9 | Wind (bare) 180° | None | | 15 | 56 | |
| 10 | Wind (bare) 210° | None | | 15 | 56 | |
| 11 | Wind (bare) 240° | None | | 15 | 56 | |
| 12 | Wind (bare) 270° | None | | 15 | 58 | |
| 13 | Wind (bare) 300° | None | | 15 | 56 | |
| 14 | Wind (bare) 330° | None | | 15 | 56 | |
| 15 | Wind (ice) 0° | None | | 15 | 58 | |
| 16 | Wind (ice) 30° | None | | 15 | 56 | |
| 17 | Wind (ice) 60° | None | | 15 | 56 | |
| 18 | Wind (ice) 90° | None | | 15 | 59 | |
| 19 | Wind (ice) 120° | None | | 15 | 56 | |
| 20 | Wind (ice) 150° | None | | 15 | 56 | |
| 21 | Wind (ice) 180° | None | | 15 | 56 | |
| 22 | Wind (ice) 210° | None | | 15 | 56 | |
| 23 | Wind (ice) 240° | None | | 15 | 56 | |
| 24 | Wind (ice) 270° | None | | 15 | 58 | |
| 25 | Wind (ice) 300° | None | | 15 | 56 | |
| 26 | Wind (ice) 330° | None | | 15 | 56 | |
| 27 | Wind (maint.) 0° | None | | 15 | 130 | |
| 28 | Wind (maint.) 30° | None | | 15 | 130 | |
| 29 | Wind (maint.) 60° | None | | 15 | 130 | |
| 30 | Wind (maint.) 90° | None | | 15 | 130 | |
| 31 | Wind (maint.) 120° | None | | 15 | 130 | |
| 32 | Wind (maint.) 150° | None | | 15 | 130 | |
| 33 | Wind (maint.) 180° | None | | 15 | 130 | |
| 34 | Wind (maint.) 210° | None | | 15 | 130 | |
| 35 | Wind (maint.) 240° | None | | 15 | 130 | |
| 36 | Wind (maint.) 270° | None | | 15 | 130 | |
| 37 | Wind (maint.) 300° | None | | 15 | 130 | |
| 38 | Wind (maint.) 330° | None | | 15 | 130 | |
| 39 | Seismic - Ev (Y) | None | | | 38 | |
| 40 | Seismic - Eh (X) | None | | | 38 | |
| 41 | Seismic - Eh (Z) | None | | | 38 | |
| 42 | Snow | None | | | | 1 |
| 43 | Live | None | | | | 1 |
| 44 | BLC 1 Transient Area Loads | None | | | 24 | |
| 45 | BLC 2 Transient Area Loads | None | | | 24 | |
| 46 | BLC 42 Transient Area Loads | None | | | 4 | |
| 47 | BLC 43 Transient Area Loads | None | | | 4 | |

Load Combinations

| | Description | Solve | P-Delta | BLC | Factor | BLC | Factor | BLC | Factor | BLC | Factor | BLC | Factor |
|----|---------------------------------|-------|---------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 1 | 1.4D | Yes | Y | 1 | 1.4 | | | | | | | | |
| 2 | 1.2D + 1.6L + 0.5S | Yes | Y | 1 | 1.2 | 43 | 1.6 | 42 | 0.5 | | | | |
| 3 | 1.2D + 1.6L + 0.2Di + 0.5S | Yes | Y | 1 | 1.2 | 43 | 1.6 | 2 | 0.2 | 42 | 0.5 | | |
| 4 | 1.2D + 1.6S + 1.0L | Yes | Y | 1 | 1.2 | 42 | 1.6 | 43 | 1 | | | | |
| 5 | 1.2D + 1.6S + 0.5W (0°) | Yes | Y | 1 | 1.2 | 42 | 1.6 | 3 | 0.5 | | | | |
| 6 | 1.2D + 1.6S + 0.5W (90°) | Yes | Y | 1 | 1.2 | 42 | 1.6 | 6 | 0.5 | | | | |
| 7 | 1.2D + 1.6S + 0.5W (180°) | | Y | 1 | 1.2 | 42 | 1.6 | 9 | 0.5 | | | | |
| 8 | 1.2D + 1.6S + 0.5W (270°) | Yes | Y | 1 | 1.2 | 42 | 1.6 | 12 | 0.5 | | | | |
| 9 | 1.2D + 1.0W + 1.0L + 0.5S (0°) | Yes | Y | 1 | 1.2 | 3 | 1 | 43 | 1 | 42 | 0.5 | | |
| 10 | 1.2D + 1.0W + 1.0L + 0.5S (90°) | Yes | Y | 1 | 1.2 | 6 | 1 | 43 | 1 | 42 | 0.5 | | |



Company : SGS Towers, Inc.
 Designer : Tim Wordekemper
 Job Number : 2403525
 Model Name : NY10253B (St. Anthony Community H...

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 Checked By : _____

Load Combinations (Continued)

| | Description | Solve | P-Delta | BLC | Factor | BLC | Factor | BLC | Factor | BLC | Factor | BLC | Factor |
|----|---|-------|---------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 11 | 1.2D + 1.0W + 1.0L + 0.5S (180°) | | Y | 1 | 1.2 | 9 | 1 | 43 | 1 | 42 | 0.5 | | |
| 12 | 1.2D + 1.0W + 1.0L + 0.5S (270°) | Yes | Y | 1 | 1.2 | 12 | 1 | 43 | 1 | 42 | 0.5 | | |
| 13 | 1.2D + 1.0L + 1.0Di + 1.0Wi + 0.5S (0°) | Yes | Y | 1 | 1.2 | 43 | 1 | 2 | 1 | 15 | 1 | 42 | 0.5 |
| 14 | 1.2D + 1.0L + 1.0Di + 1.0Wi + 0.5S (90°) | Yes | Y | 1 | 1.2 | 43 | 1 | 2 | 1 | 18 | 1 | 42 | 0.5 |
| 15 | 1.2D + 1.0L + 1.0Di + 1.0Wi + 0.5S (180°) | | Y | 1 | 1.2 | 43 | 1 | 2 | 1 | 21 | 1 | 42 | 0.5 |
| 16 | 1.2D + 1.0L + 1.0Di + 1.0Wi + 0.5S (270°) | Yes | Y | 1 | 1.2 | 43 | 1 | 2 | 1 | 24 | 1 | 42 | 0.5 |
| 17 | 1.2D + 1.0Di | Yes | Y | 1 | 1.2 | 2 | 1 | | | | | | |
| 18 | 0.9D + 1.0W (0°) | Yes | Y | 1 | 0.9 | 3 | 1 | | | | | | |
| 19 | 0.9D + 1.0W (90°) | Yes | Y | 1 | 0.9 | 6 | 1 | | | | | | |
| 20 | 0.9D + 1.0W (180°) | | Y | 1 | 0.9 | 9 | 1 | | | | | | |
| 21 | 0.9D + 1.0W (270°) | Yes | Y | 1 | 0.9 | 12 | 1 | | | | | | |
| 22 | 0.9D + 1.0Di + 1.0Wi (0°) | Yes | Y | 1 | 0.9 | 2 | 1 | 15 | 1 | | | | |
| 23 | 0.9D + 1.0Di + 1.0Wi (90°) | Yes | Y | 1 | 0.9 | 2 | 1 | 18 | 1 | | | | |
| 24 | 0.9D + 1.0Di + 1.0Wi (180°) | | Y | 1 | 0.9 | 2 | 1 | 21 | 1 | | | | |
| 25 | 0.9D + 1.0Di + 1.0Wi (270°) | Yes | Y | 1 | 0.9 | 2 | 1 | 24 | 1 | | | | |
| 26 | 1.2D + 1.0Ev + 1.0Eh + 1.0L + 0.2S (X) | Yes | Y | 1 | 1.2 | 39 | 1 | 40 | 1 | 43 | 1 | 42 | 0.2 |
| 27 | 1.2D + 1.0Ev + 1.0Eh + 1.0L + 0.2S (Z) | Yes | Y | 1 | 1.2 | 39 | 1 | 41 | 1 | 43 | 1 | 42 | 0.2 |
| 28 | 0.9D - 1.0Ev + 1.0Eh (X) | Yes | Y | 1 | 0.9 | 39 | -1 | 40 | 1 | | | | |
| 29 | 0.9D - 1.0Ev + 1.0Eh (Z) | Yes | Y | 1 | 0.9 | 39 | -1 | 41 | 1 | | | | |

Hot Rolled Steel Properties

| | Label | E [ksi] | G [ksi] | Nu | Therm. Coeff. [1e ⁶ F ⁻¹] | Density [lb/ft ³] | Yield [ksi] | Ry | Fu [ksi] | Rt |
|----|----------------|---------|---------|-----|--|-------------------------------|-------------|------|----------|------|
| 1 | A992 | 29000 | 11154 | 0.3 | 0.65 | 490 | 50 | 1.1 | 65 | 1.1 |
| 2 | A36 Gr.36 | 29000 | 11154 | 0.3 | 0.65 | 490 | 36 | 1.5 | 58 | 1.2 |
| 3 | A572 Gr.50 | 29000 | 11154 | 0.3 | 0.65 | 490 | 50 | 1.1 | 65 | 1.1 |
| 4 | A500 Gr.B RND | 29000 | 11154 | 0.3 | 0.65 | 527 | 42 | 1.4 | 58 | 1.3 |
| 5 | A500 Gr.B Rect | 29000 | 11154 | 0.3 | 0.65 | 527 | 46 | 1.4 | 58 | 1.3 |
| 6 | A53 Gr.B | 29000 | 11154 | 0.3 | 0.65 | 490 | 35 | 1.6 | 60 | 1.2 |
| 7 | A1085 | 29000 | 11154 | 0.3 | 0.65 | 490 | 50 | 1.25 | 65 | 1.15 |
| 8 | A913 Gr.65 | 29000 | 11154 | 0.3 | 0.65 | 490 | 65 | 1.1 | 80 | 1.1 |
| 9 | Q235 | 29000 | 11154 | 0.3 | 0.65 | 490 | 35 | 1.5 | 58 | 1.2 |
| 10 | A529 Gr.50 | 29000 | 11154 | 0.3 | 0.65 | 490 | 50 | 1.1 | 65 | 1.1 |
| 11 | A500 Gr.C | 29000 | 11154 | 0.3 | 0.65 | 490 | 46 | 1.6 | 60 | 1.2 |

General Materials Properties

| | Label | E [ksi] | G [ksi] | Nu | Therm. Coeff. [1e ⁶ F ⁻¹] | Density [lb/ft ³] | Plate Methodology |
|---|-------------|---------|---------|------|--|-------------------------------|-------------------|
| 1 | gen Conc3NW | 3155 | 1372 | 0.15 | 0.6 | 145 | Isotropic |
| 2 | gen Conc4NW | 3644 | 1584 | 0.15 | 0.6 | 145 | Isotropic |
| 3 | gen Conc3LW | 2085 | 906 | 0.15 | 0.6 | 110 | Isotropic |
| 4 | gen Conc4LW | 2408 | 1047 | 0.15 | 0.6 | 110 | Isotropic |
| 5 | gen Alum | 10100 | 4077 | 0.3 | 1.29 | 173 | Isotropic |
| 6 | gen Steel | 29000 | 11154 | 0.3 | 0.65 | 490 | Isotropic |
| 7 | gen Plywood | 1800 | 38 | 0 | 0.3 | 35 | Isotropic |
| 8 | RIGID | 1e+6 | | 0.3 | 0 | 0 | Isotropic |

Hot Rolled Steel Section Sets

| | Label | Shape | Type | Design List | Material | Design Rule Area [in ²] | Iyy [in ⁴] | Izz [in ⁴] | J [in ⁴] | |
|---|-----------------------|----------|------|-------------|----------------|-------------------------------------|------------------------|------------------------|----------------------|--------|
| 1 | Channel Ledger | C12X25 | Beam | None | A36 Gr.36 | Typical | 7.34 | 4.45 | 144 | 0.538 |
| 2 | Platform Beam (Long) | W10X22 | Beam | None | A36 Gr.36 | Typical | 6.49 | 11.4 | 118 | 0.239 |
| 3 | Platform Beam (Short) | W8X13 | Beam | None | A36 Gr.36 | Typical | 3.84 | 2.73 | 39.6 | 0.0871 |
| 4 | Angle Beam | L4X4X4 | Beam | None | A36 Gr.36 | Typical | 1.93 | 3 | 3 | 0.0438 |
| 5 | Platform Post | PIPE 3.0 | Beam | None | A36 Gr.36 | Typical | 2.07 | 2.85 | 2.85 | 5.69 |
| 6 | Platform Outer Beam | W10X33 | Beam | None | A36 Gr.36 | Typical | 9.71 | 36.6 | 171 | 0.583 |
| 7 | Kicker Brace | L3X3X3 | Beam | None | A36 Gr.36 | Typical | 1.09 | 0.948 | 0.948 | 0.0136 |
| 8 | Panel Post | HSS4X4X3 | Beam | None | A500 Gr.B Rect | Typical | 2.58 | 6.21 | 6.21 | 10 |
| 9 | Panel Horizontal | L4X4X4 | Beam | None | A36 Gr.36 | Typical | 1.93 | 3 | 3 | 0.0438 |



Company : SGS Towers, Inc.
 Designer : Tim Wordekemper
 Job Number : 2403525
 Model Name : NY10253B (St. Anthony Community H...

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General Section Sets

| | Label | Type | Material | Area [in ²] | Iyy [in ⁴] | Izz [in ⁴] | J [in ⁴] |
|---|-------|------|----------|-------------------------|------------------------|------------------------|----------------------|
| 1 | RIGID | None | RIGID | 1e+6 | 1e+6 | 1e+6 | 1e+6 |

Hot Rolled Steel Design Parameters

| | Label | Shape | Length [in] | Lb y-y [in] | Lb z-z [in] | Lcomp top [in] | Lcomp bot [in] | Channel Conn. | a [in] | Function |
|----|-----------|-----------------------|-------------|-------------|-------------|----------------|----------------|---------------|--------|----------|
| 1 | AB1 | Angle Beam | 24 | | | Lbyy | | N/A | N/A | Lateral |
| 2 | AB2 | Angle Beam | 24 | | | Lbyy | | N/A | N/A | Lateral |
| 3 | AB3 | Angle Beam | 24 | | | Lbyy | | N/A | N/A | Lateral |
| 4 | AB4 | Angle Beam | 24 | | | Lbyy | | N/A | N/A | Lateral |
| 5 | AB5 | Angle Beam | 24 | | | Lbyy | | N/A | N/A | Lateral |
| 6 | AB6 | Angle Beam | 24 | | | Lbyy | | N/A | N/A | Lateral |
| 7 | CL1 | Channel Ledger | 121 | | | Lbyy | | N/A | N/A | Lateral |
| 8 | KB1 | Kicker Brace | 26.9928 | | | Lbyy | | N/A | N/A | Lateral |
| 9 | KB2 | Kicker Brace | 30.3415 | | | Lbyy | | N/A | N/A | Lateral |
| 10 | KB3 | Kicker Brace | 27.1296 | | | Lbyy | | N/A | N/A | Lateral |
| 11 | PANEL1.H1 | Panel Horizontal | 110 | Segment | Segment | Lbyy | | N/A | N/A | Lateral |
| 12 | PANEL1.H2 | Panel Horizontal | 110 | Segment | Segment | Lbyy | | N/A | N/A | Lateral |
| 13 | PANEL2.H1 | Panel Horizontal | 190.5 | Segment | Segment | Lbyy | | N/A | N/A | Lateral |
| 14 | PANEL2.H2 | Panel Horizontal | 190.5 | Segment | Segment | Lbyy | | N/A | N/A | Lateral |
| 15 | PANEL3.H2 | Panel Horizontal | 14 | | | Lbyy | | N/A | N/A | Lateral |
| 16 | PANEL4.H1 | Panel Horizontal | 147 | | | Lbyy | | N/A | N/A | Lateral |
| 17 | PANEL4.H2 | Panel Horizontal | 190.5 | Segment | Segment | Lbyy | | N/A | N/A | Lateral |
| 18 | PLB.L1 | Platform Beam (Long) | 192 | 48 | | Lbyy | | N/A | N/A | Lateral |
| 19 | PLB.L2 | Platform Beam (Long) | 192 | 48 | | Lbyy | | N/A | N/A | Lateral |
| 20 | PLB.L3 | Platform Beam (Long) | 242 | 48 | 121 | 48 | 48 | N/A | N/A | Lateral |
| 21 | PLB.L4 | Platform Beam (Long) | 192 | 48 | | 48 | 48 | N/A | N/A | Lateral |
| 22 | PLB.S1 | Platform Beam (Short) | 54 | | | Lbyy | | N/A | N/A | Lateral |
| 23 | PLB.S2 | Platform Beam (Short) | 54 | | | Lbyy | | N/A | N/A | Lateral |
| 24 | PLB.S3 | Platform Beam (Short) | 54 | | | Lbyy | | N/A | N/A | Lateral |
| 25 | PLOB1 | Platform Outer Beam | 168 | 54 | 150 | 54 | 54 | N/A | N/A | Lateral |
| 26 | PLP1 | Platform Post | 36.5 | | | Lbyy | | N/A | N/A | Lateral |
| 27 | PLP2 | Platform Post | 36.5 | | | Lbyy | | N/A | N/A | Lateral |
| 28 | PLP3 | Platform Post | 36.5 | | | Lbyy | | N/A | N/A | Lateral |
| 29 | PP1 | Panel Post | 97.1 | | | Lbyy | | N/A | N/A | Lateral |
| 30 | PP2 | Panel Post | 97.1 | | | Lbyy | | N/A | N/A | Lateral |
| 31 | PP3 | Panel Post | 97.1 | | | Lbyy | | N/A | N/A | Lateral |
| 32 | PP4 | Panel Post | 97.1 | | | Lbyy | | N/A | N/A | Lateral |
| 33 | PP5 | Panel Post | 97.1 | | | Lbyy | | N/A | N/A | Lateral |
| 34 | PP6 | Panel Post | 97.1 | | | Lbyy | | N/A | N/A | Lateral |
| 35 | PP7 | Panel Post | 97.1 | | | Lbyy | | N/A | N/A | Lateral |
| 36 | PP8 | Panel Post | 97.1 | | | Lbyy | | N/A | N/A | Lateral |
| 37 | PP9 | Panel Post | 97.1 | | | Lbyy | | N/A | N/A | Lateral |
| 38 | PP10 | Panel Post | 97.1 | | | Lbyy | | N/A | N/A | Lateral |

Envelope Node Reactions

| | Node Label | | X [lb] | LC | Y [lb] | LC | Z [lb] | LC | MX [lb-ft] | LC | MY [lb-ft] | LC | MZ [lb-ft] | LC |
|----|------------|-----|----------|----|----------|----|-----------|----|------------|----|------------|----|------------|----|
| 0 | N36 | max | 942.677 | 18 | 2127.22 | 13 | 780.863 | 21 | 0 | 29 | 0 | 29 | 0 | 29 |
| 1 | | min | -1188.62 | 12 | 280.146 | 21 | -779.242 | 10 | 0 | 1 | 0 | 1 | 0 | 1 |
| 2 | N44 | max | 1343.36 | 26 | 208.578 | 9 | 750.522 | 21 | 0 | 29 | 0 | 29 | 0 | 29 |
| 3 | | min | -33.395 | 19 | -19.384 | 21 | -884.332 | 10 | 0 | 1 | 0 | 1 | 0 | 1 |
| 4 | N33 | max | 397.336 | 14 | 4272.795 | 14 | 39.342 | 19 | 0 | 29 | 0 | 29 | 0 | 29 |
| 5 | | min | 32.05 | 21 | 296.754 | 21 | -52.472 | 12 | 0 | 1 | 0 | 1 | 0 | 1 |
| 6 | N24 | max | 68.924 | 21 | 8631.254 | 14 | 31.319 | 10 | 0 | 29 | 0 | 29 | 0 | 29 |
| 7 | | min | -423.075 | 14 | 224.081 | 21 | -15.2 | 29 | 0 | 1 | 0 | 1 | 0 | 1 |
| 8 | N18 | max | 26.466 | 26 | 5838.047 | 12 | 4097.646 | 12 | 0 | 29 | 0 | 29 | 0 | 29 |
| 9 | | min | 0.104 | 29 | -980.475 | 19 | -3130.888 | 19 | 0 | 1 | 0 | 1 | 0 | 1 |
| 10 | N155 | max | 251.746 | 18 | 11.096 | 29 | 161.609 | 13 | 0 | 29 | 0 | 29 | 0 | 29 |
| 11 | | min | -272.596 | 12 | -73.102 | 4 | -1.092 | 29 | 0 | 1 | 0 | 1 | 0 | 1 |
| 12 | N157 | max | 19.456 | 28 | 1509.751 | 4 | 56.866 | 12 | 0 | 29 | 0 | 29 | 0 | 29 |



Company : SGS Towers, Inc.
Designer : Tim Wordekemper
Job Number : 2403525
Model Name : NY10253B (St. Anthony Community H...

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Envelope Node Reactions (Continued)

| Node Label | | X [lb] | | LC | Y [lb] | | LC | Z [lb] | | LC | MX [lb-ft] | LC | MY [lb-ft] | LC | MZ [lb-ft] | LC |
|------------|---------|--------|----------|----|--------|-----------|----|-----------|----|----|------------|----|------------|----|------------|----|
| 13 | | min | -66.531 | 4 | | 341.154 | 29 | -56.286 | 19 | 0 | 1 | 0 | 1 | 0 | 1 | |
| 14 | N159 | max | 628.336 | 26 | | 1402.617 | 16 | 225.92 | 21 | 0 | 29 | 0 | 29 | 0 | 29 | |
| 15 | | min | 54.757 | 19 | | 434.292 | 19 | -207.28 | 10 | 0 | 1 | 0 | 1 | 0 | 1 | |
| 16 | N161 | max | 216.275 | 18 | | 1376.158 | 14 | 189.575 | 21 | 0 | 29 | 0 | 29 | 0 | 29 | |
| 17 | | min | -233.697 | 12 | | -128.022 | 21 | -611.33 | 10 | 0 | 1 | 0 | 1 | 0 | 1 | |
| 18 | N163 | max | 23.927 | 28 | | 2148.935 | 4 | 92.528 | 12 | 0 | 29 | 0 | 29 | 0 | 29 | |
| 19 | | min | -108.049 | 4 | | 483.775 | 29 | -47.401 | 19 | 0 | 1 | 0 | 1 | 0 | 1 | |
| 20 | N165 | max | 376.213 | 26 | | 1936.452 | 14 | 108.566 | 21 | 0 | 29 | 0 | 29 | 0 | 29 | |
| 21 | | min | 54.323 | 19 | | 728.784 | 21 | -106.646 | 10 | 0 | 1 | 0 | 1 | 0 | 1 | |
| 22 | N167 | max | 276.614 | 26 | | 1129.486 | 12 | 136.642 | 21 | 0 | 29 | 0 | 29 | 0 | 29 | |
| 23 | | min | 6.376 | 19 | | -819.337 | 19 | -336.703 | 10 | 0 | 1 | 0 | 1 | 0 | 1 | |
| 24 | Totals: | max | 3395.989 | 28 | | 28113.506 | 16 | 6126.096 | 21 | | | | | | | |
| 25 | | min | -0.788 | 12 | | 7578.994 | 29 | -5702.835 | 10 | | | | | | | |

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

| Member | Shape | Code Check | Loc[in] | LC | Shear | Check | Loc[in] | Dir | LC | phi*Pnc [lb] | phi*Pnt [lb] | phi*Mn y-y [lb-ft] | phi*Mn z-z [lb-ft] | Cb | Eqn |
|--------------|----------|------------|---------|----|-------|--------|---------|-----------|------------|--------------|--------------|--------------------|--------------------|-------|-----|
| 0 PLP2 | PIPE 3.0 | 0.957 | 15.576 | 12 | 0.246 | 31.815 | 12 | 64521.873 | 67068 | | 5913 | 5913 | 1 | H1-1b | |
| 1 PANEL1.H2 | L4X4X4 | 0.743 | 75.625 | 21 | 0.08 | 28.646 | y | 21 | 45888.539 | 62532 | 3137.597 | 5579.146 | 1.5 | H2-1 | |
| 2 PP3 | HSS4X4X3 | 0.514 | 0 | 12 | 0.245 | 7.667 | y | 16 | 84312.193 | 106812 | 12661.5 | 12661.5 | 2.868 | H1-1b | |
| 3 PP2 | HSS4X4X3 | 0.5 | 0 | 10 | 0.232 | 7.667 | y | 14 | 84312.193 | 106812 | 12661.5 | 12661.5 | 2.842 | H1-1b | |
| 4 KB3 | L3X3X3 | 0.411 | 12.152 | 12 | 0.002 | 27.13 | y | 26 | 27130.399 | 35316 | 1320.097 | 2819.724 | 1.136 | H2-1 | |
| 5 PP1 | HSS4X4X3 | 0.382 | 0 | 16 | 0.277 | 7.667 | y | 12 | 84312.193 | 106812 | 12661.5 | 12661.5 | 3 | H1-1b | |
| 6 PANEL1.H1 | L4X4X4 | 0.34 | 75.625 | 21 | 0.034 | 28.646 | y | 12 | 45888.539 | 62532 | 3137.597 | 5579.146 | 1.5 | H2-1 | |
| 7 PANEL2.H1 | L4X4X4 | 0.287 | 140.891 | 10 | 0.026 | 47.625 | z | 10 | 45888.539 | 62532 | 3137.597 | 4552.488 | 1.5 | H2-1 | |
| 8 PANEL4.H1 | L4X4X4 | 0.277 | 98 | 12 | 0.031 | 98 | y | 12 | 12370.465 | 62532 | 3137.597 | 5072.253 | 1.5 | H2-1 | |
| 9 PANEL4.H2 | L4X4X4 | 0.261 | 47.625 | 10 | 0.028 | 7.938 | y | 10 | 47071.914 | 62532 | 3137.597 | 4552.488 | 1.5 | H2-1 | |
| 10 PP6 | HSS4X4X3 | 0.238 | 0 | 14 | 0.188 | 7.667 | y | 10 | 84312.193 | 106812 | 12661.5 | 12661.5 | 3 | H1-1b | |
| 11 PANEL2.H2 | L4X4X4 | 0.223 | 47.625 | 10 | 0.031 | 47.625 | z | 10 | 47071.914 | 62532 | 3137.597 | 4552.488 | 1.5 | H2-1 | |
| 12 PLB.L2 | W10X22 | 0.214 | 106 | 14 | 0.064 | 192 | y | 14 | 140091.889 | 210276 | 16470 | 70200 | 1 | H1-1b | |
| 13 PLB.L1 | W10X22 | 0.204 | 96 | 4 | 0.068 | 0 | y | 4 | 140091.889 | 210276 | 16470 | 70200 | 1 | H1-1b | |
| 14 PLOB1 | W10X33 | 0.203 | 78.75 | 16 | 0.133 | 0 | y | 14 | 253647.594 | 314604 | 37800 | 104760 | 1 | H1-1b | |
| 15 PLB.L4 | W10X22 | 0.197 | 144 | 12 | 0.369 | 0 | z | 21 | 140091.889 | 210276 | 16470 | 70200 | 1 | H1-1b | |
| 16 PLP3 | PIPE 3.0 | 0.161 | 15.7 | 14 | 0.025 | 16.354 | 14 | 64586.628 | 67068 | 5913 | 5913 | 1 | H1-1b | | |
| 17 PP4 | HSS4X4X3 | 0.161 | 0 | 14 | 0.133 | 7.667 | y | 12 | 84312.193 | 106812 | 12661.5 | 12661.5 | 3 | H1-1b | |
| 18 PP7 | HSS4X4X3 | 0.141 | 8.625 | 10 | 0.161 | 7.667 | z | 10 | 84312.193 | 106812 | 12661.5 | 12661.5 | 1.998 | H1-1b | |
| 19 PP5 | HSS4X4X3 | 0.132 | 8.625 | 21 | 0.096 | 7.667 | y | 12 | 84312.193 | 106812 | 12661.5 | 12661.5 | 2.007 | H1-1b | |
| 20 PP9 | HSS4X4X3 | 0.131 | 8.625 | 10 | 0.094 | 7.667 | y | 10 | 84312.193 | 106812 | 12661.5 | 12661.5 | 2.005 | H1-1b | |
| 21 PP8 | HSS4X4X3 | 0.127 | 8.625 | 10 | 0.116 | 7.667 | z | 21 | 84312.193 | 106812 | 12661.5 | 12661.5 | 1.995 | H1-1b | |
| 22 PLP1 | PIPE 3.0 | 0.121 | 15.7 | 14 | 0.033 | 16.681 | 14 | 64586.628 | 67068 | 5913 | 5913 | 1 | H1-1b | | |
| 23 PP10 | HSS4X4X3 | 0.116 | 8.625 | 10 | 0.096 | 7.667 | y | 10 | 84312.193 | 106812 | 12661.5 | 12661.5 | 2.006 | H1-1b | |
| 24 PLB.L3 | W10X22 | 0.103 | 146.208 | 10 | 0.37 | 0 | z | 21 | 129304.415 | 210276 | 16470 | 70200 | 1 | H1-1b | |
| 25 CL1 | C12X25 | 0.093 | 12.604 | 26 | 0.062 | 35.292 | y | 26 | 68664.003 | 237816 | 8090.909 | 79380 | 3 | H1-1b | |
| 26 AB5 | L4X4X4 | 0.062 | 9.5 | 12 | 0.023 | 0 | z | 14 | 49378.576 | 62532 | 3137.597 | 6714.886 | 1.066 | H2-1 | |
| 27 KB2 | L3X3X3 | 0.053 | 14.855 | 14 | 0.023 | 30.342 | y | 12 | 26751.059 | 35316 | 1320.097 | 2767.998 | 1.136 | H2-1 | |
| 28 KB1 | L3X3X3 | 0.047 | 13.215 | 14 | 0.004 | 26.993 | y | 16 | 27145.586 | 35316 | 1320.097 | 2821.994 | 1.136 | H2-1 | |
| 29 AB2 | L4X4X4 | 0.029 | 12.25 | 14 | 0.019 | 24 | z | 17 | 49378.576 | 62532 | 3137.597 | 6714.886 | 1.251 | H2-1 | |
| 30 AB1 | L4X4X4 | 0.028 | 12 | 17 | 0.016 | 24 | z | 17 | 49378.576 | 62532 | 3137.597 | 6714.886 | 1.238 | H2-1 | |
| 31 AB6 | L4X4X4 | 0.022 | 12 | 10 | 0.006 | 24 | z | 16 | 49378.576 | 62532 | 3137.597 | 6714.886 | 1.137 | H2-1 | |
| 32 AB3 | L4X4X4 | 0.019 | 9.75 | 14 | 0.026 | 0 | z | 14 | 49378.576 | 62532 | 3137.597 | 6714.886 | 1.36 | H2-1 | |
| 33 PLB.S2 | W8X13 | 0.01 | 27 | 9 | 0.006 | 54 | y | 4 | 100253.601 | 124416 | 5805 | 30780 | 1.2 | H1-1b | |
| 34 AB4 | L4X4X4 | 0.01 | 11 | 12 | 0.004 | 0 | z | 16 | 49378.576 | 62532 | 3137.597 | 6714.886 | 1.13 | H2-1 | |
| 35 PLB.S1 | W8X13 | 0.01 | 27 | 9 | 0.002 | 54 | y | 16 | 100253.601 | 124416 | 5805 | 30780 | 1.131 | H1-1b | |
| 36 PLB.S3 | W8X13 | 0.01 | 27 | 9 | 0.006 | 54 | y | 4 | 100253.601 | 124416 | 5805 | 30780 | 1.156 | H1-1b | |
| 37 PANEL3.H2 | L4X4X4 | 0.008 | 7 | 19 | 0.004 | 7 | z | 19 | 50133.679 | 62532 | 3137.597 | 6714.886 | 1.5 | H2-1 | |



| | |
|-----------------|--------------------------------|
| SGS Project No. | 2403525 |
| Site Name: | St. Anthony Community Hospital |
| Site Number: | NY10253B |
| Analysis Date: | TJW 03/14/2024 |

Wall Connection Check

Wall Connection Information

| | | |
|--------------------|-----|-----------|
| Bolt Diameter = | 5/8 | in |
| Bolt Grade = | A36 | (assumed) |
| Threads in Shear = | Yes | (assumed) |

Reactions from RISA

| Node | Max Shear (lb) | Max Tension (lb) |
|------|-------------------|---------------------|
| N36 | 1063.8 | 594.3 |
| N44 | 448.7 | 16.7 |
| N155 | 172.2 | 272.6 |
| N157 | 1509.8 | 66.5 |
| N159 | 1402.7 | 0.0 |
| N161 | 1484.7 | 233.7 |
| N163 | 2149.5 | 108.0 |
| N165 | 1936.5 | 0.0 |
| N167 | 1131.3 | 0.0 |

Bolt Checks

| | | |
|---------------------------|-------|------|
| Max Tensile Force = | 0.59 | kips |
| Design Tensile Strength = | 10.01 | kips |
| Bolt Tensile Capacity = | 5.9% | Pass |
| Max Shear Force = | 2.15 | kips |
| Design Shear Strength = | 6.01 | kips |
| Bolt Shear Capacity = | 35.8% | Pass |



| | |
|------------------|--------------------------------|
| SGS Project No.: | 2403525 |
| Site Name: | St. Anthony Community Hospital |
| Site Number: | NY10253B |
| Analysis Date: | TJW 03/14/2024 |

Roof Loading

Existing Roof Loading

Dead: 20 psf (assumed)
Roof Live: 20 psf
Flat Roof Snow: 26.46 psf

Roof Snow Load

Design Snow Load pg: 35 psf
Exposure Factor Ce: 0.9 Table 7.3-1 ASCE 7-16
Thermal Factor Ct: 1 Table 7.3-2 ASCE 7-16
Importance Factor Is: 1.2 Table 1.5-2 ASCE 7-16
Flat Roof Snow Load pf: 26.46 psf

BEAM1 Information

Member: BEAM1
Size: W16x26
Length: 442 in
Spacing: 73 in

BEAM2 Information

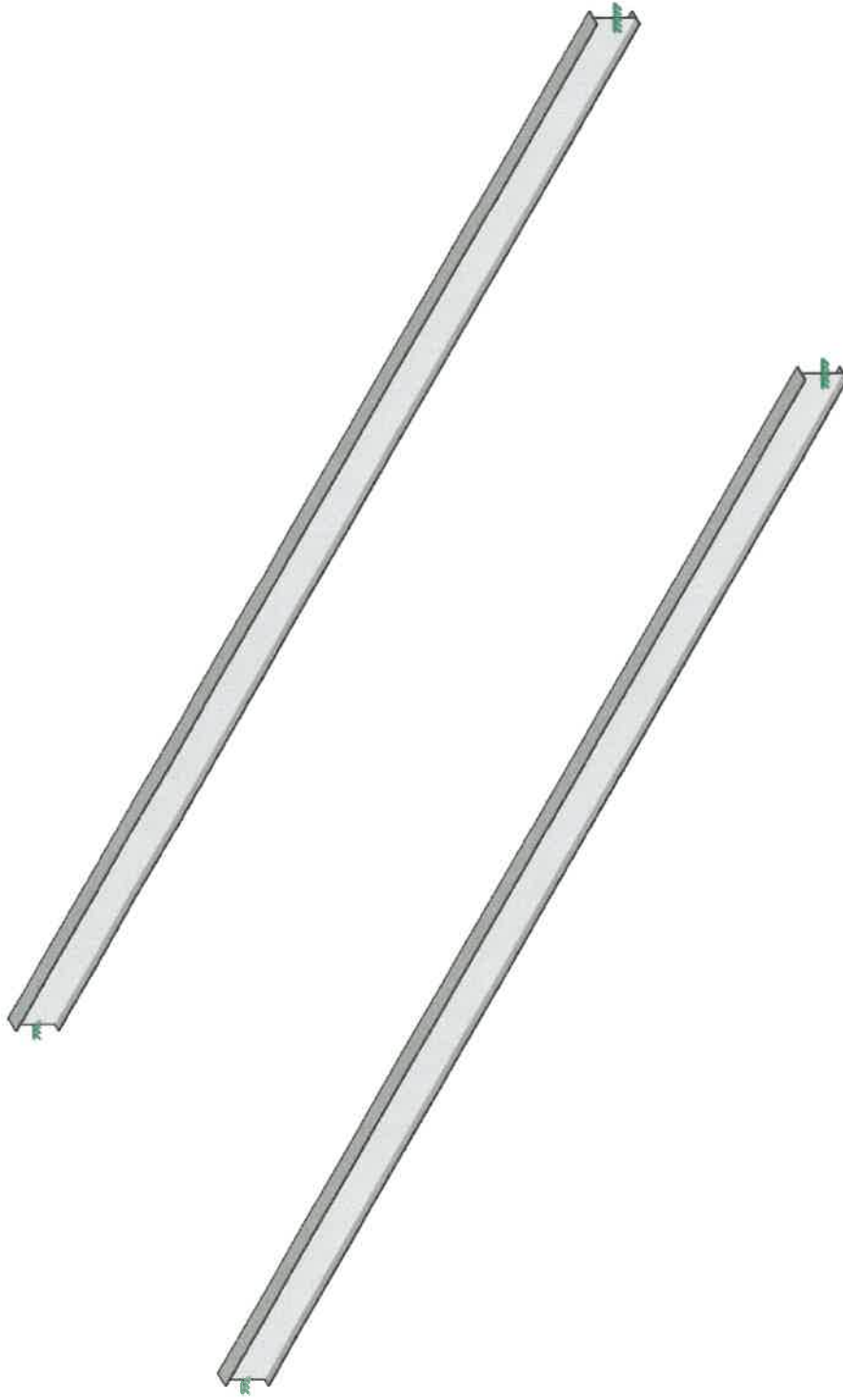
Member: BEAM2
Size: W16x26
Length: 422 in
Spacing: 73 in

BEAM1 Loading Summary

Dead: 121.7 lb/ft
Live: 121.7 lb/ft
Snow: 161.0 lb/ft

BEAM2 Loading Summary

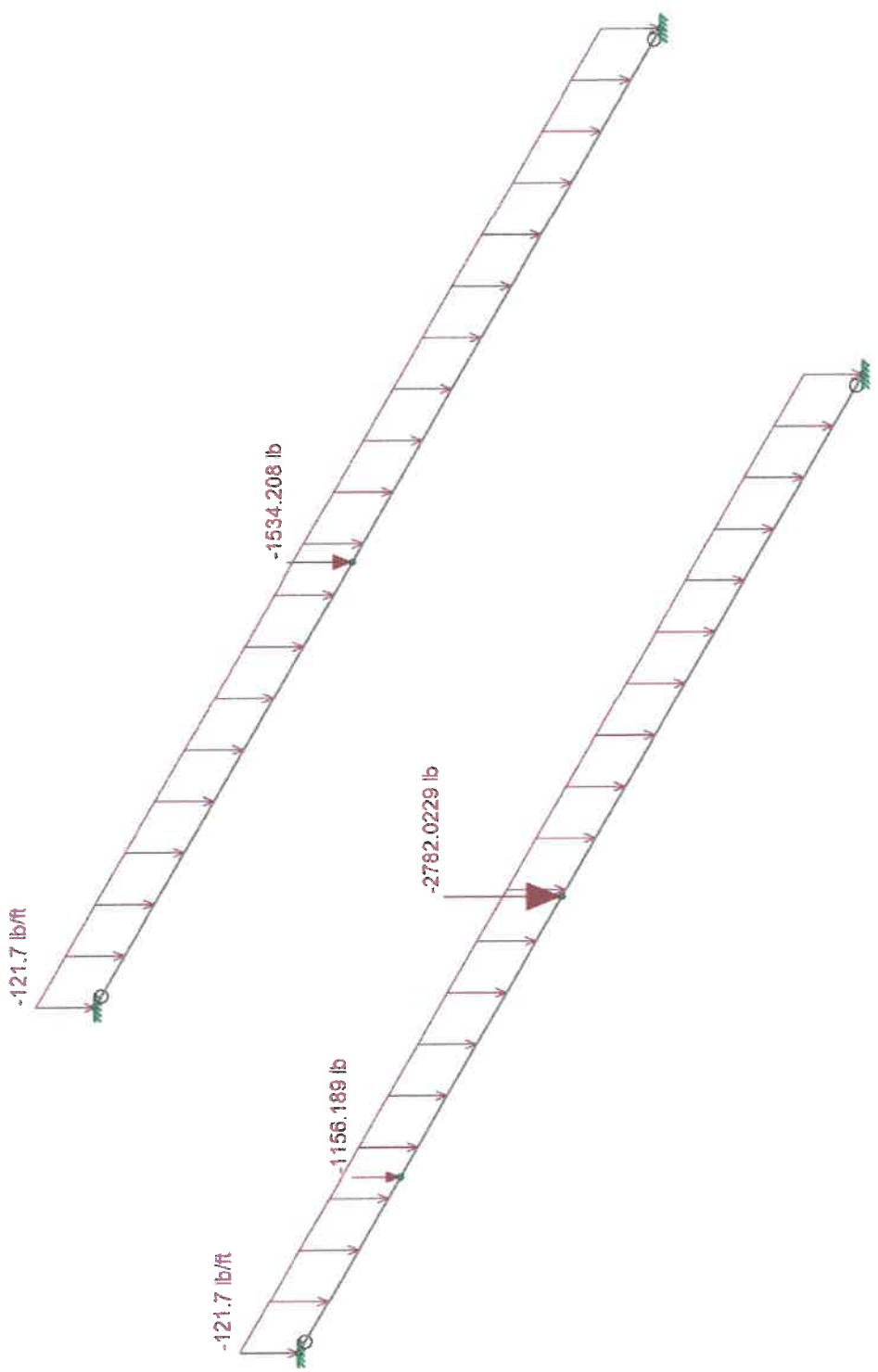
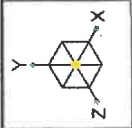
Dead: 121.7 lb/ft
Live: 121.7 lb/ft
Snow: 161.0 lb/ft



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Tim Wordekemper
2403525

NY10253B (St. Anthony Community Hospital)
Beam Rendering

SK-1
Mar 14, 2024 at 02:40 PM
2403525 - Roof Check.r3d



Loads: BLC 1, Dead



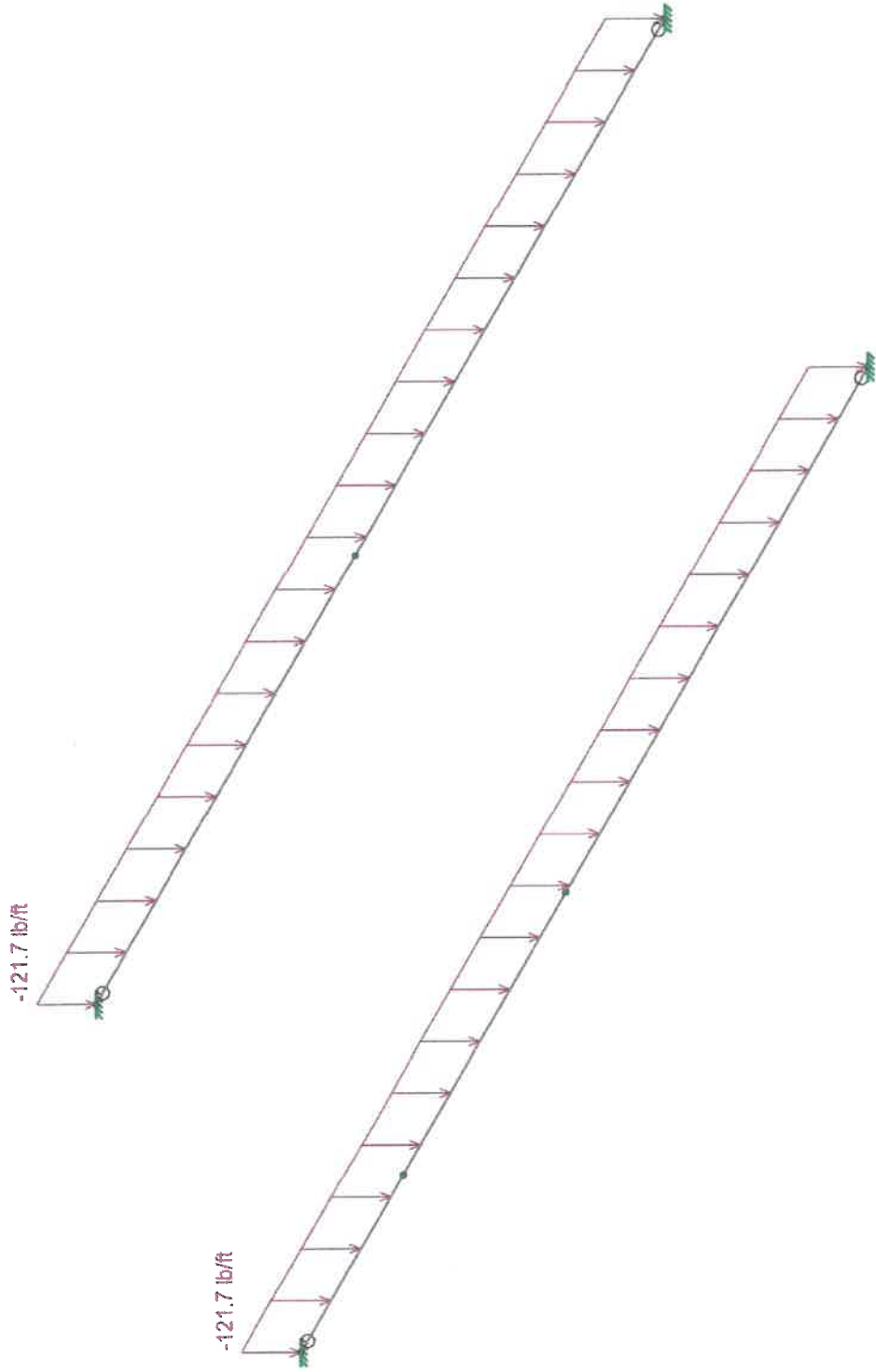
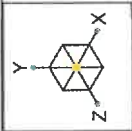
SGS Towers, Inc.
Tim Wordekemper
2403525


NY10253B (St. Anthony Community Hospital)

Loading - Dead

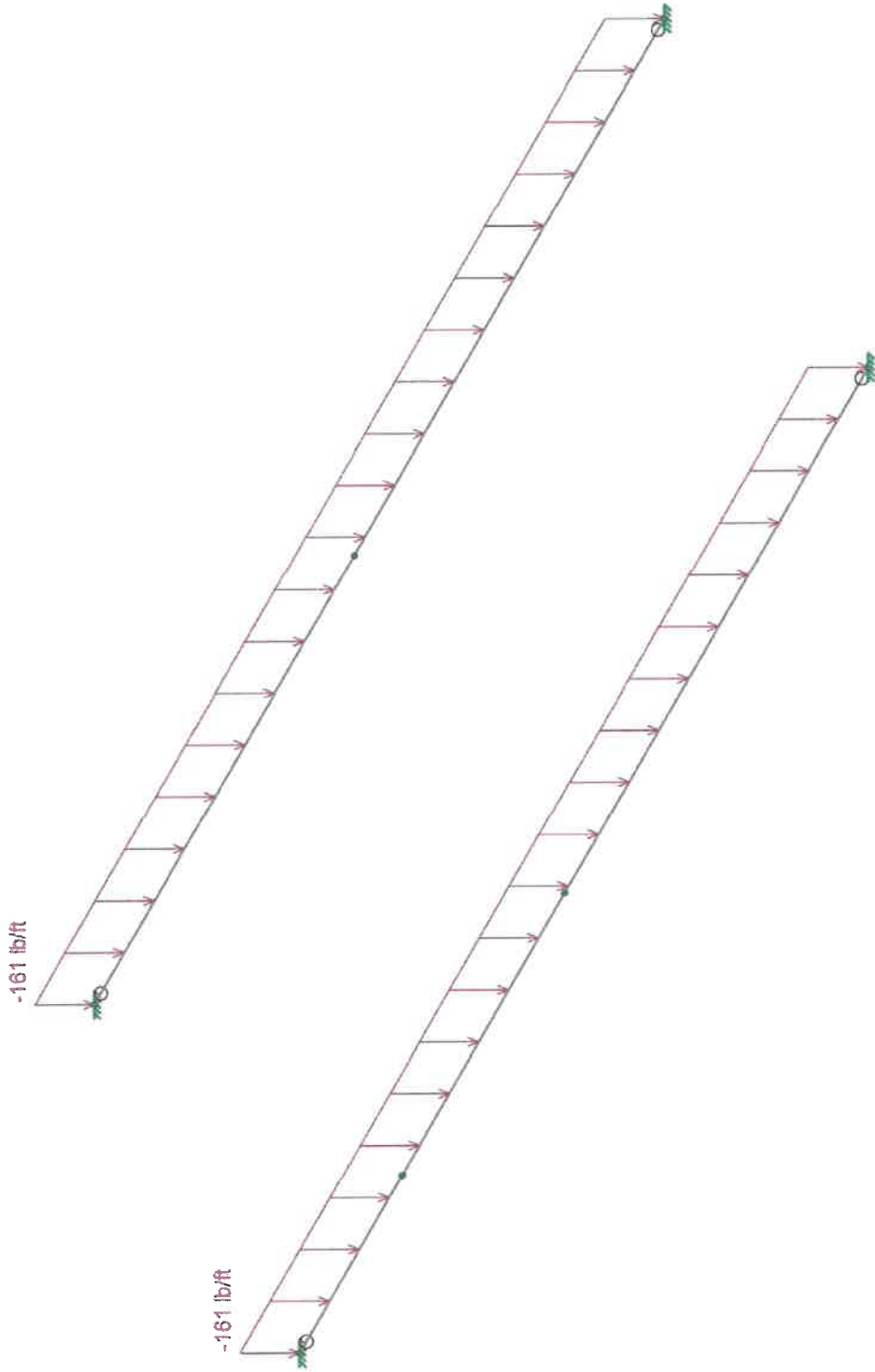
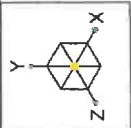
SK-2

Mar 14, 2024 at 02:41 PM
2403525 - Roof Check.r3d



| | | | | |
|---|------------------|---|---------------------|--------------------------|
| Loads: BLC 2, Roof Live | | | | |
|  | SGS Towers, Inc. | NY10253B (St. Anthony Community Hospital) | | SK-3 |
| | Tim Wordekemper | | | Mar 14, 2024 at 02:41 PM |
| | 2403525 | | | 2403525 - Roof Check.r3d |
| | | | Loading - Roof Live | |





Loads: BLC 3, Flat Roof Snow

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2403525

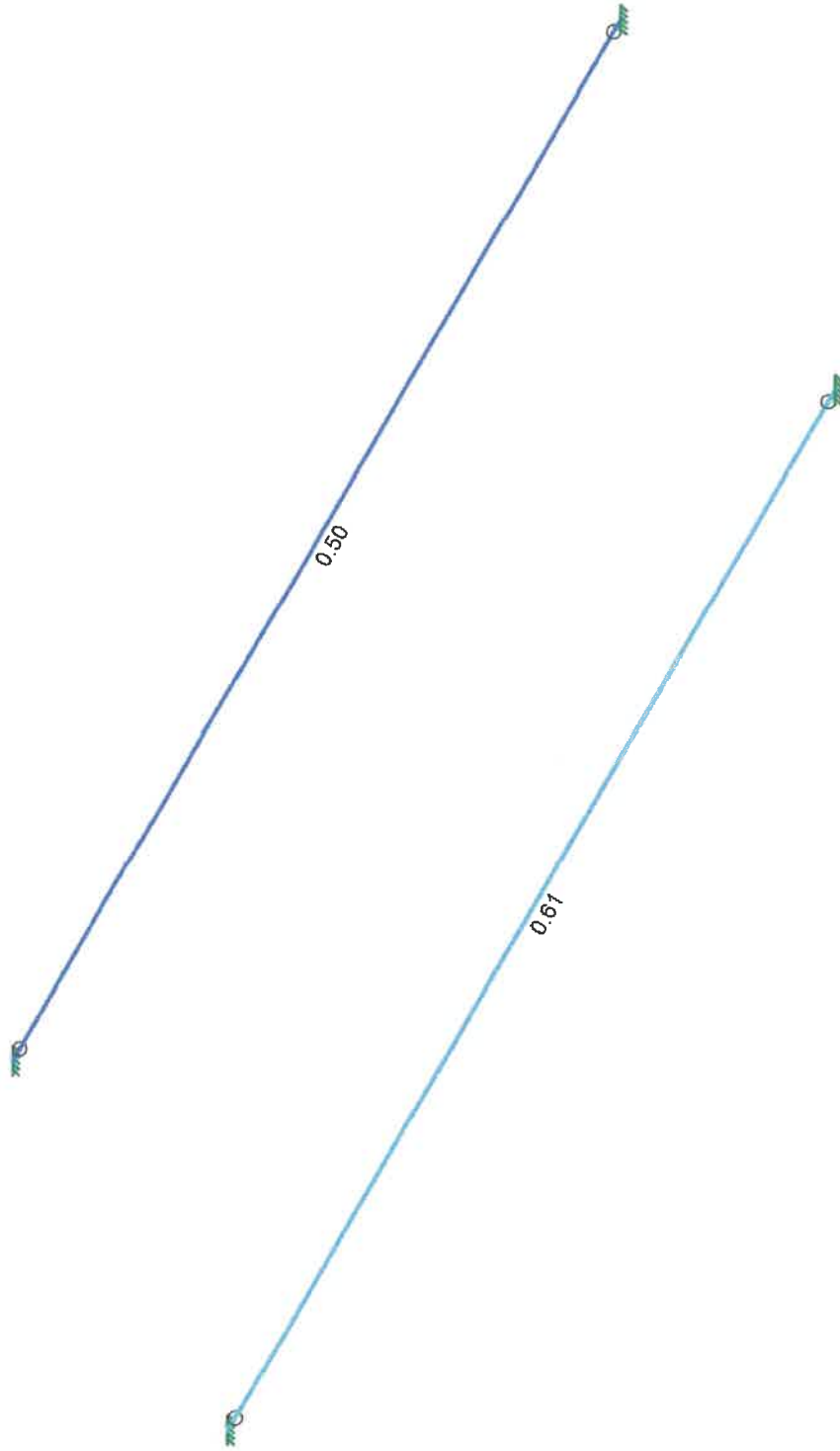
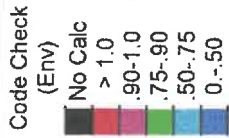
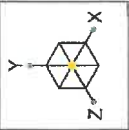
NY10253B (St. Anthony Community Hospital)

SK-4

Mar 14, 2024 at 02:42 PM

2403525 - Roof Check.r3d

Loading - Snow



Member Code Checks Displayed (Enveloped)



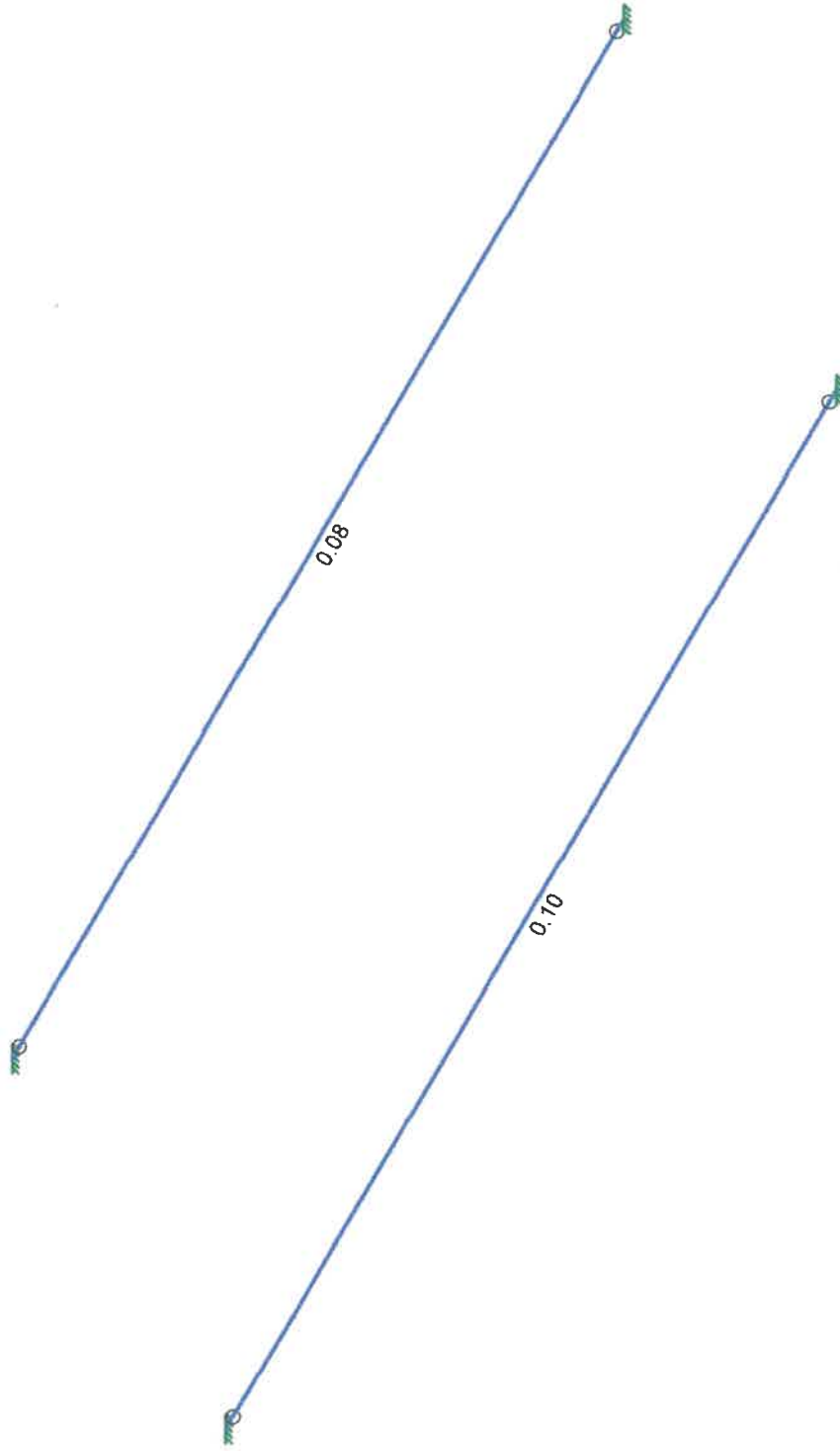
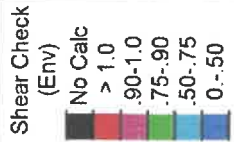
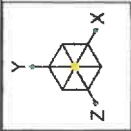
SGS Towers, Inc.
Tim Wordekemper
2403525

NY10253B (St. Anthony Community Hospital)

SK-5

Mar 14, 2024 at 02:42 PM
2403525 - Roof Check.r3d

Unity Bending Check



Member Shear Checks Displayed (Enveloped)



SGS Towers, Inc.
Tim Wordekemper
2403525

NY10253B (St. Anthony Community Hospital)

SK-6

Mar 14, 2024 at 02:42 PM
2403525 - Roof Check.r3d

Shear Check



Company : SGS Towers, Inc.
Designer : Tim Wordekemper
Job Number : 2403525
Model Name : NY10253B (St. Anthony Community H...

3/14/2024
2:45:14 PM
Checked By : _____

Basic Load Cases

| | BLC Description | Category | Y Gravity | Nodal | Distributed |
|---|-----------------|----------|-----------|-------|-------------|
| 1 | Dead | None | -1 | 3 | 2 |
| 2 | Roof Live | None | | | 2 |
| 3 | Flat Roof Snow | None | | | 2 |

Load Combinations

| | Description | Solve | P-Delta | BLC | Factor | BLC | Factor |
|---|--------------|-------|---------|-----|--------|-----|--------|
| 1 | 1.4D | Yes | Y | 1 | 1.4 | | |
| 2 | 1.2D + 0.5Lr | Yes | Y | 1 | 1.2 | 2 | 0.5 |
| 3 | 1.2D + 0.5S | Yes | Y | 1 | 1.2 | 3 | 0.5 |
| 4 | 1.2D + 1.6Lr | Yes | Y | 1 | 1.2 | 2 | 1.6 |
| 5 | 1.2D + 1.6S | Yes | Y | 1 | 1.2 | 3 | 1.6 |

Hot Rolled Steel Properties

| | Label | E [ksi] | G [ksi] | Nu | Therm. Coeff. [1e ⁶ F ⁻¹] | Density [lb/ft ³] | Yield [ksi] | Ry | Fu [ksi] | Rt |
|----|----------------|---------|---------|-----|--|-------------------------------|-------------|------|----------|------|
| 1 | A992 | 29000 | 11154 | 0.3 | 0.65 | 490 | 50 | 1.1 | 65 | 1.1 |
| 2 | A36 Gr.36 | 29000 | 11154 | 0.3 | 0.65 | 490 | 36 | 1.5 | 58 | 1.2 |
| 3 | A572 Gr.50 | 29000 | 11154 | 0.3 | 0.65 | 490 | 50 | 1.1 | 65 | 1.1 |
| 4 | A500 Gr.B RND | 29000 | 11154 | 0.3 | 0.65 | 527 | 42 | 1.4 | 58 | 1.3 |
| 5 | A500 Gr.B Rect | 29000 | 11154 | 0.3 | 0.65 | 527 | 46 | 1.4 | 58 | 1.3 |
| 6 | A53 Gr.B | 29000 | 11154 | 0.3 | 0.65 | 490 | 35 | 1.6 | 60 | 1.2 |
| 7 | A1085 | 29000 | 11154 | 0.3 | 0.65 | 490 | 50 | 1.25 | 65 | 1.15 |
| 8 | A913 Gr.65 | 29000 | 11154 | 0.3 | 0.65 | 490 | 65 | 1.1 | 80 | 1.1 |
| 9 | Q235 | 29000 | 11154 | 0.3 | 0.65 | 490 | 35 | 1.5 | 58 | 1.2 |
| 10 | A529 Gr.50 | 29000 | 11154 | 0.3 | 0.65 | 490 | 50 | 1.1 | 65 | 1.1 |
| 11 | A500 Gr.C | 29000 | 11154 | 0.3 | 0.65 | 490 | 46 | 1.6 | 60 | 1.2 |

General Materials Properties

| | Label | E [ksi] | G [ksi] | Nu | Therm. Coeff. [1e ⁶ F ⁻¹] | Density [lb/ft ³] | Plate Methodology |
|---|-------------|---------|---------|------|--|-------------------------------|-------------------|
| 1 | gen Conc3NW | 3155 | 1372 | 0.15 | 0.6 | 145 | Isotropic |
| 2 | gen Conc4NW | 3644 | 1584 | 0.15 | 0.6 | 145 | Isotropic |
| 3 | gen Conc3LW | 2085 | 906 | 0.15 | 0.6 | 110 | Isotropic |
| 4 | gen Conc4LW | 2408 | 1047 | 0.15 | 0.6 | 110 | Isotropic |
| 5 | gen Alum | 10100 | 4077 | 0.3 | 1.29 | 173 | Isotropic |
| 6 | gen Steel | 29000 | 11154 | 0.3 | 0.65 | 490 | Isotropic |
| 7 | gen Plywood | 1800 | 38 | 0 | 0.3 | 35 | Isotropic |
| 8 | RIGID | 1e+6 | | 0.3 | 0 | 0 | Isotropic |

Hot Rolled Steel Section Sets

| | Label | Shape | Type | Design List | Material | Design Rule | Area [in²] | Iyy [in⁴] | Izz [in⁴] | J [in⁴] |
|----|-----------------------|----------|------|-------------|----------------|-------------|------------|-----------|-----------|---------|
| 1 | Channel Ledger | C12X25 | Beam | None | A36 Gr.36 | Typical | 7.34 | 4.45 | 144 | 0.538 |
| 2 | Platform Beam (Long) | W10X22 | Beam | None | A36 Gr.36 | Typical | 6.49 | 11.4 | 118 | 0.239 |
| 3 | Platform Beam (Short) | W8X13 | Beam | None | A36 Gr.36 | Typical | 3.84 | 2.73 | 39.6 | 0.0871 |
| 4 | Angle Beam | L4X4X4 | Beam | None | A36 Gr.36 | Typical | 1.93 | 3 | 3 | 0.0438 |
| 5 | Platform Post | PIPE 3.0 | Beam | None | A36 Gr.36 | Typical | 2.07 | 2.85 | 2.85 | 5.69 |
| 6 | Platform Outer Beam | W10X33 | Beam | None | A36 Gr.36 | Typical | 9.71 | 36.6 | 171 | 0.583 |
| 7 | Kicker Brace | L3X3X3 | Beam | None | A36 Gr.36 | Typical | 1.09 | 0.948 | 0.948 | 0.0136 |
| 8 | Panel Post | HSS4X4X3 | Beam | None | A500 Gr.B Rect | Typical | 2.58 | 6.21 | 6.21 | 10 |
| 9 | Panel Horizontal | L4X4X4 | Beam | None | A36 Gr.36 | Typical | 1.93 | 3 | 3 | 0.0438 |
| 10 | Roof Beam | W16X26 | Beam | None | A992 | Typical | 7.68 | 9.59 | 301 | 0.262 |



Company : SGS Towers, Inc.
Designer : Tim Wordekemper
Job Number : 2403525
Model Name : NY10253B (St. Anthony Community H...

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General Section Sets

| | Label | Type | Material | Area [in ²] | I _{yy} [in ⁴] | I _{zz} [in ⁴] | J [in ⁴] |
|---|-------|------|----------|-------------------------|------------------------------------|------------------------------------|----------------------|
| 1 | RIGID | None | RIGID | 1e+6 | 1e+6 | 1e+6 | 1e+6 |

Hot Rolled Steel Design Parameters

| | Label | Shape | Length [in] | Lcomp top [in] | Channel Conn. | a [in] | Function |
|---|-------|-----------|-------------|----------------|---------------|--------|----------|
| 1 | BEAM1 | Roof Beam | 422 | 1 | N/A | N/A | Lateral |
| 2 | BEAM2 | Roof Beam | 422 | 1 | N/A | N/A | Lateral |

Node Loads and Enforced Displacements (BLC 1 : Dead)

| | Node Label | L, D, M | Direction | Magnitude [(lb, lb-ft), (in, rad), (lb*s ² /in, lb*s ² *in)] |
|---|------------|---------|-----------|--|
| 1 | N33 | L | Y | -1156.189 |
| 2 | N24 | L | Y | -2782.023 |
| 3 | N18 | L | Y | -1534.208 |

Member Distributed Loads (BLC 1 : Dead)

| | Member Label | Direction | Start Magnitude [lb/ft, F, psf, lb-ft/in] | End Magnitude [lb/ft, F, psf, lb-ft/in] | Start Location [(in, %)] | End Location [(in, %)] |
|---|--------------|-----------|---|---|--------------------------|------------------------|
| 1 | BEAM1 | Y | -121.7 | -121.7 | 0 | %100 |
| 2 | BEAM2 | Y | -121.7 | -121.7 | 0 | %100 |

Member Distributed Loads (BLC 2 : Roof Live)

| | Member Label | Direction | Start Magnitude [lb/ft, F, psf, lb-ft/in] | End Magnitude [lb/ft, F, psf, lb-ft/in] | Start Location [(in, %)] | End Location [(in, %)] |
|---|--------------|-----------|---|---|--------------------------|------------------------|
| 1 | BEAM1 | Y | -121.7 | -121.7 | 0 | %100 |
| 2 | BEAM2 | Y | -121.7 | -121.7 | 0 | %100 |

Member Distributed Loads (BLC 3 : Flat Roof Snow)

| | Member Label | Direction | Start Magnitude [lb/ft, F, psf, lb-ft/in] | End Magnitude [lb/ft, F, psf, lb-ft/in] | Start Location [(in, %)] | End Location [(in, %)] |
|---|--------------|-----------|---|---|--------------------------|------------------------|
| 1 | BEAM1 | Y | -161 | -161 | 0 | %100 |
| 2 | BEAM2 | Y | -161 | -161 | 0 | %100 |

Envelope Node Reactions

| | Node Label | | X [lb] | LC | Y [lb] | LC | Z [lb] | LC | MX [lb-ft] | LC | MY [lb-ft] | LC | MZ [lb-ft] | LC |
|---|------------|-----|--------|----|-----------|----|--------|----|------------|----|------------|----|------------|----|
| 0 | N176 | max | 0 | 5 | 8486.384 | 5 | 0 | 5 | 0 | 5 | 0 | 5 | 0 | 5 |
| 1 | | min | 0 | 1 | 4616.403 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| 2 | N189 | max | 0 | 5 | 8652.166 | 5 | 0 | 5 | 0 | 5 | 0 | 5 | 0 | 5 |
| 3 | | min | 0 | 1 | 4809.815 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| 4 | N184 | max | 0 | 5 | 9457.079 | 5 | 0 | 5 | 0 | 5 | 0 | 5 | 0 | 5 |
| 5 | | min | 0 | 1 | 5748.881 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| 6 | N183 | max | 0 | 5 | 10566.276 | 5 | 0 | 5 | 0 | 5 | 0 | 5 | 0 | 5 |
| 7 | | min | 0 | 1 | 7042.944 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| 8 | Totals: | max | 0 | 5 | 37161.904 | 5 | 0 | 5 | | | | | | |
| 9 | | min | 0 | 1 | 22218.044 | 1 | 0 | 1 | | | | | | |

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

| | Member | Shape | Code Check | Loc[in] | LC | Shear | Check | Loc[in] | Dir | LC | phi*P _{nc} [lb] | phi*P _{nt} [lb] | phi*M _n y-y [lb-ft] | phi*M _n z-z [lb-ft] | Cb | Eqn |
|---|--------|--------|------------|---------|----|-------|-------|---------|-----|-----------|--------------------------|--------------------------|--------------------------------|--------------------------------|-------|-----|
| 0 | BEAM2 | W16X26 | 0.608 | 197.813 | 5 | 0.1 | 0 | y | 5 | 12165.601 | 345600 | 20550 | 165750 | 1 | H1-1b | |
| 1 | BEAM1 | W16X26 | 0.499 | 193.417 | 5 | 0.082 | 0 | y | 5 | 12165.601 | 345600 | 20550 | 165750 | 1 | H1-1b | |

Date: March 14, 2024



Ericsson

Sinnott Gering and Schmitt Towers, Inc.
14708 Custer Rd Suite 102
Omaha, NE 68138
(844) 886-9377
Engineering@sgstowers.com

Subject: Rooftop Structural Analysis Report

Carrier Designation: T-Mobile Equipment Change-Out
Carrier Site Number: NY10253B
Carrier Site Name: St. Anthony Community Hospital

Engineering Firm Designation: SGS Towers Report Designation: 2403524

Site Data: 17 Maple Ave, Warwick, NY 10990 (Orange County)
Latitude 41.2614, Longitude -74.3578

Structure Information: Structure Height & Type: Rooftop
Mount Type: Concealment Shelter

Sinnott Gering and Schmitt Towers, Inc. is pleased to submit this "Rooftop Structural Analysis Report" to determine the structural integrity of T-Mobile's antenna mounting system with the proposed appurtenance and equipment addition on the abovementioned supporting structure. Analysis of the existing supporting structure is to be completed by others and therefore is not part of this analysis. Analysis of the antenna mounting system as a tie-off point for fall protection or rigging is not part of this document.

The purpose of the analysis is to determine acceptability of the mount stress level. Based on our analysis we have determined the mount stress level to be:

Concealment Shelter **75.9%** **Conditionally Sufficient***
***Sufficient upon completion of the changes listed in the 'Recommendations' section of this report.**

The analysis has been performed in accordance with the TIA-222-H Standard based upon an ultimate 3-second gust wind speed of 126 mph. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

We at SGS Towers appreciate the opportunity of providing our continuing professional services to Ericsson. If you have any questions or need further assistance on this or any other projects, please give us a call.

Mount analysis prepared by: Tim Wordekemper, EI
Respectfully Submitted by:

DS



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Recommendations

7) APPENDIX C

Post Modification Inspection Report Requirements

1) INTRODUCTION

This is an existing multi-sector Concealment Shelter located on the rooftop of a hospital building and mapped by SGS Towers in January of 2024. The concealment shelter supports multiple carriers and consists of FRP structural members and concealment paneling. The original concealment shelter design calculations were not available at the time of this analysis.

2) ANALYSIS CRITERIA

| | |
|---|-----------------------------|
| Applicable Codes: | TIA-222-H |
| Risk Category: | IV |
| Ultimate Wind Speed: | 126 mph |
| Exposure Category: | B |
| Topographic Factor (K_{zt}): | 1.0 |
| Design Ice Thickness: | 1.0 in |
| Wind Speed with Ice: | 40 mph |
| Rooftop Wind Speed-up Factor (K_s): | 1.1 |
| Seismic Parameters: | S_s : 0.245 / S_1 0.057 |

NOTE: Due to the mount configuration, L_m and L_v maintenance loading was not considered in this analysis.

Table 1 – Final Equipment Configuration

| Elevations (ft) | | Equipment Quantity | Equipment Manufacturer | Equipment Model | Notes |
|-----------------|-----------|--------------------|------------------------|----------------------|-------|
| Mount | Equipment | | | | |
| 74.92 | 81 | 3 | RFS | APXVAARR18_43-U-NA20 | - |
| | | 1 | RFS | APXVAALL18_43-U-NA20 | |
| | | 4 | Ericsson | AIR6419 B41 | |
| | | 4 | Ericsson | 4449 | |
| | | 4 | Ericsson | 4460 | |

Notes:

- 1) For additional loading information considered, refer to Appendix A.

3) ANALYSIS PROCEDURE

Table 2 - Documents Provided

| Document | Remarks | Source |
|----------------------------------|--|----------|
| RF Data Sheet | NY10253B Anchor 12 draft 2024-02-12 | Ericsson |
| Preliminary Construction Drawing | Ericsson / NY10253B Construction Drawings Rev 1 dated 02/13/2024 | Ericsson |
| Previous Structural Analysis | Infinigy / Job No. 499-052, dated 09/23/2018 | Ericsson |
| Mapping Photos | SGS Towers / Project No. 2312073, dated 01/11/2024 | SGS |

3.1) Analysis Method

RISA-3D (Version 21.0.1), a commercially available analysis software package, was used to create a three-dimensional model of the antenna mounting system and calculate member stresses for various loading cases.

3.2) Assumptions

- 1) The antenna mounting system was properly fabricated, installed and maintained in good condition in accordance with its original design and manufacturer's specifications.
- 2) The configuration of antennas, mounts, and other appurtenances are as specified in Table 1 and the referenced drawings.
- 3) All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.
- 4) Due to the shape of the concealment shelter, wind loading was only considered in 90° increments for this analysis.
- 5) Steel grades have been assumed as follows, unless noted otherwise:

| | |
|------------------------------------|--------------------|
| Channel, Solid Round, Angle, Plate | ASTM A36 (GR 36) |
| HSS (Rectangular) | ASTM 500 (GR B-46) |
| Pipe | ASTM A53 (GR 35) |
| Connection Bolts | ASTM A325 |
| U-Bolts | ASTM A307 |

This analysis may be affected if any assumptions are not valid or have been made in error. SGS Towers should be notified to determine the effect on the structural integrity of the antenna mounting system.

4) ANALYSIS RESULTS

Table 3 - Mount Component Stresses vs. Capacity

| Component | % Capacity | Pass / Fail |
|--------------------------|-------------------------|-------------|
| Angle Horizontal 1 | 67.3 | Pass |
| Angle Horizontal 2 | 58.0 | Pass |
| Antenna Mount Pipe (TMO) | 16.4 | Pass |
| FRP L4X4X0.375 | 44.3 | Pass |
| FRP Square Tube 4X0.25 | 75.9 | Pass |
| FRP Plate 4 x 0.375 | 10.9 | Pass |
| Roof Check | Acceptable ¹ | |

Notes:

- 1) Due to lack of original concealment framing drawings, we have analyzed the framing and found it to be adequate. Per mapping photos, there are no observed damages on the shelter or framing. The concealment shelter is positively connected to the roof steel beams. Since there is no overall increase in the wind area as well as the weight increase in less than 5%, it is our opinion that the roof framing shall be adequate to support the final configuration.

| | |
|---|--------------|
| Structure Rating (max from all components) = | 75.9% |
|---|--------------|

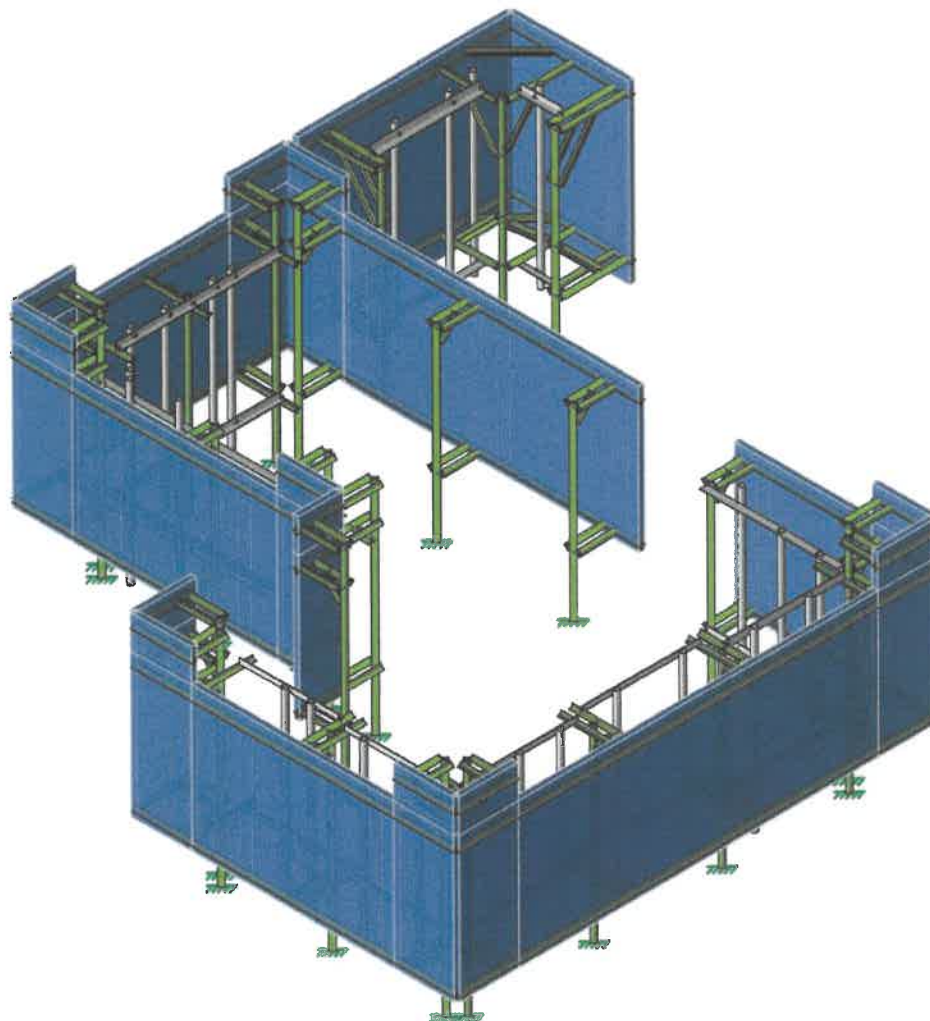
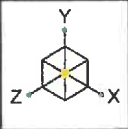
4.1) Recommendations

The supporting structure has conditionally sufficient capacity to carry the proposed loading configuration. In order for the results of the analysis to be considered valid, the modification(s) listed below must be completed.

1. The threaded rod standoff located at the Beta Sector location are to be removed and the existing Angle Horizontals supporting antenna mounting pipes are to be attached flush with the FRP HSS members. Refer to Appendix B for additional information.

Antennas and equipment to be installed in compliance with PMI Requirements of this mount analysis. Contractor PMI Requirements included at the end of this Mount Analysis report or mount modification drawings (if applicable) for reference.

APPENDIX A
CALCULATIONS & ANALYSIS SUMMARY



SGS Towers, Inc.
Tim Wordekemper
2403524

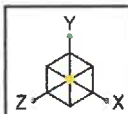
NY10253B (St. Anthony Community Hospital)

Mount Rendering

SK-1

Mar 08, 2024 at 03:48 PM

2403524 B - Mount Rushmore 2023-03-14.r3d

**T-Mobile (Gamma)**

RFS | APXVAARR18_43-U-NA20
Ericsson | 4449 B71/B12
Ericsson | 4460 B25+B66

T-Mobile (Gamma)

Ericsson | AIR6419 B41
Ericsson | 4449 B71/B12
Ericsson | 4460 B25+B66

T-Mobile (Gamma)

RFS | APXVAALL18_43-U-NA20

T-Mobile (Delta)

Ericsson | AIR6419 B41

Other

Samsung | MMU
Samsung | CBRS RT4401-48A

Other

Commscope | SBNHH-1D45B
Samsung | 1.9GHZ RRH

Other

Commscope | SBNHH-1D45B
Samsung | 700MHZ RRU

Other

(2) Commscope | SBNHH-1D45B
Samsung | 700MHZ RRU
Samsung | 1.9GHZ RRH

Other

Samsung | CBRS RT4401-48A
Raycap | RVZDC-6627-PF-48

Other

Samsung | MMU

T-Mobile (Beta)

Ericsson | AIR6419 B41

T-Mobile (Beta)

RFS | APXVAARR18_43-U-NA20
Ericsson | 4449 B71/B12
Ericsson | 4460 B25+B66

Other

(2) Commscope | SBNHH-1D45B
Samsung | 700MHZ RRU
Samsung | 1.9GHZ RRH

Other

Samsung | CBRS RT4401-48A

Other

Samsung | MMU

Other

(2) Commscope | SBNHH-1D45B
Samsung | 700MHZ RRU
Samsung | 1.9GHZ RRH

Other

Samsung | CBRS RT4401-48A
Raycap | RVZDC-6627-PF-48

T-Mobile (Alpha)

RFS | APXVAARR18_43-U-NA20
Ericsson | 4449 B71/B12
Ericsson | 4460 B25+B66

T-Mobile (Alpha)

Ericsson | AIR6419 B41

Other

Samsung | MMU



SGS Towers, Inc.

Tim Wordekemper

2403524

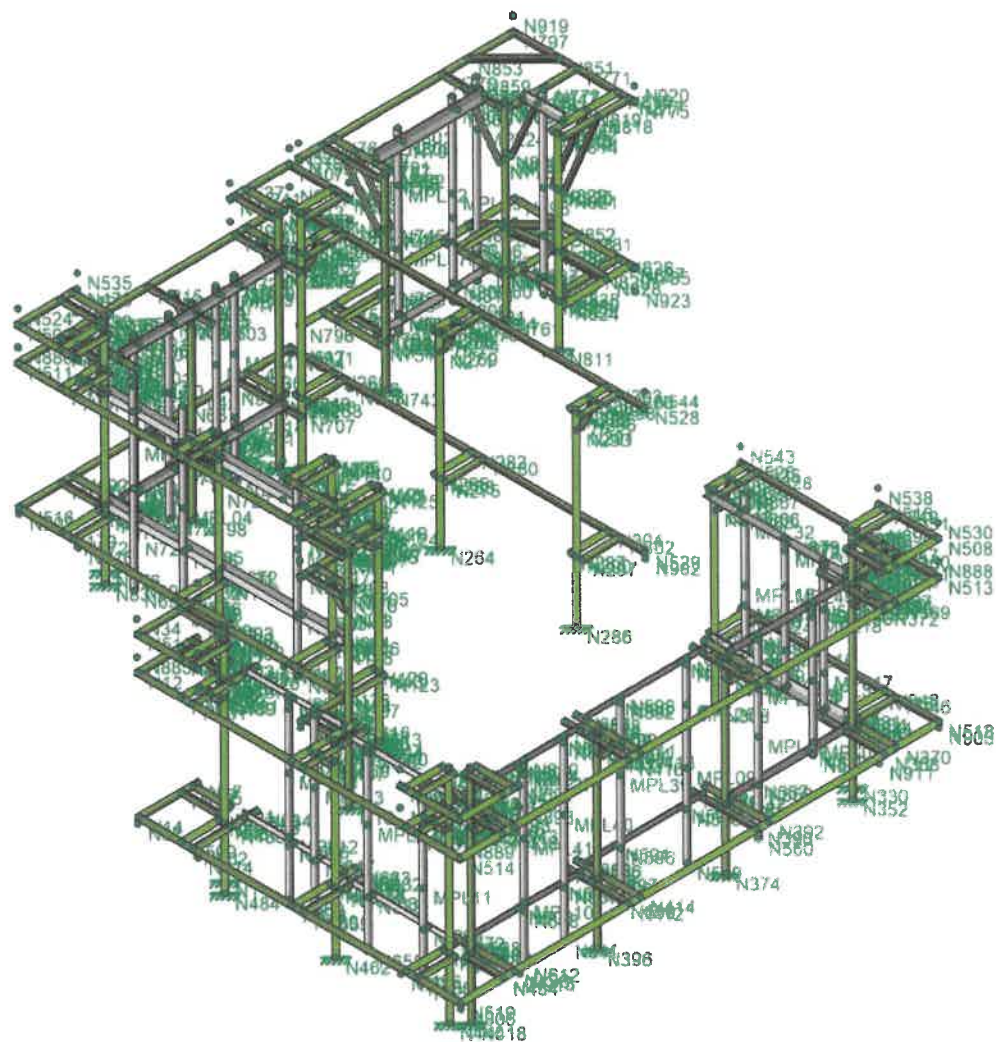
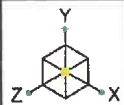
NY10253B (St. Anthony Community Hospital)

Antenna Configuration

SK-2

Mar 08, 2024 at 03:49 PM

2403524 B - Mount Rushmore 2023-03-14.r3d



SGS Towers, Inc.
Tim Wordekemper
2403524

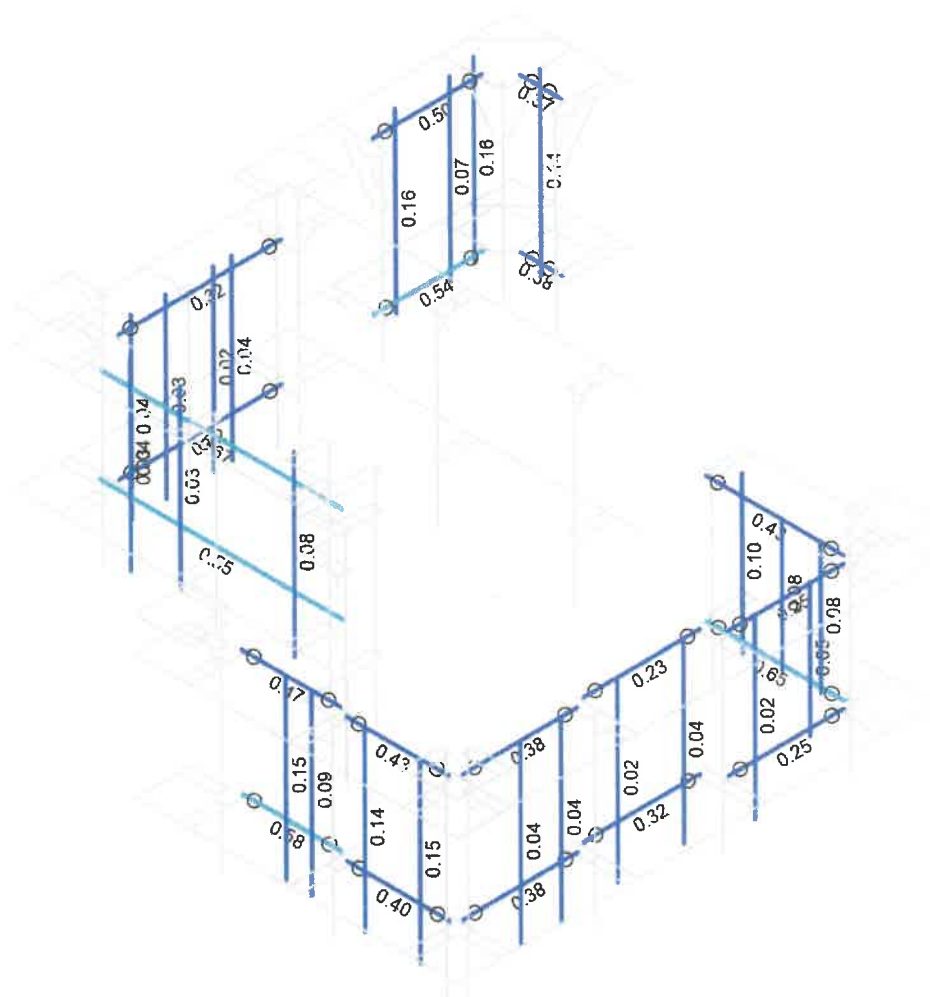
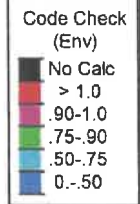
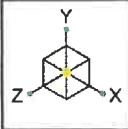
NY10253B (St. Anthony Community Hospital)

Nodal Labels


SK-3

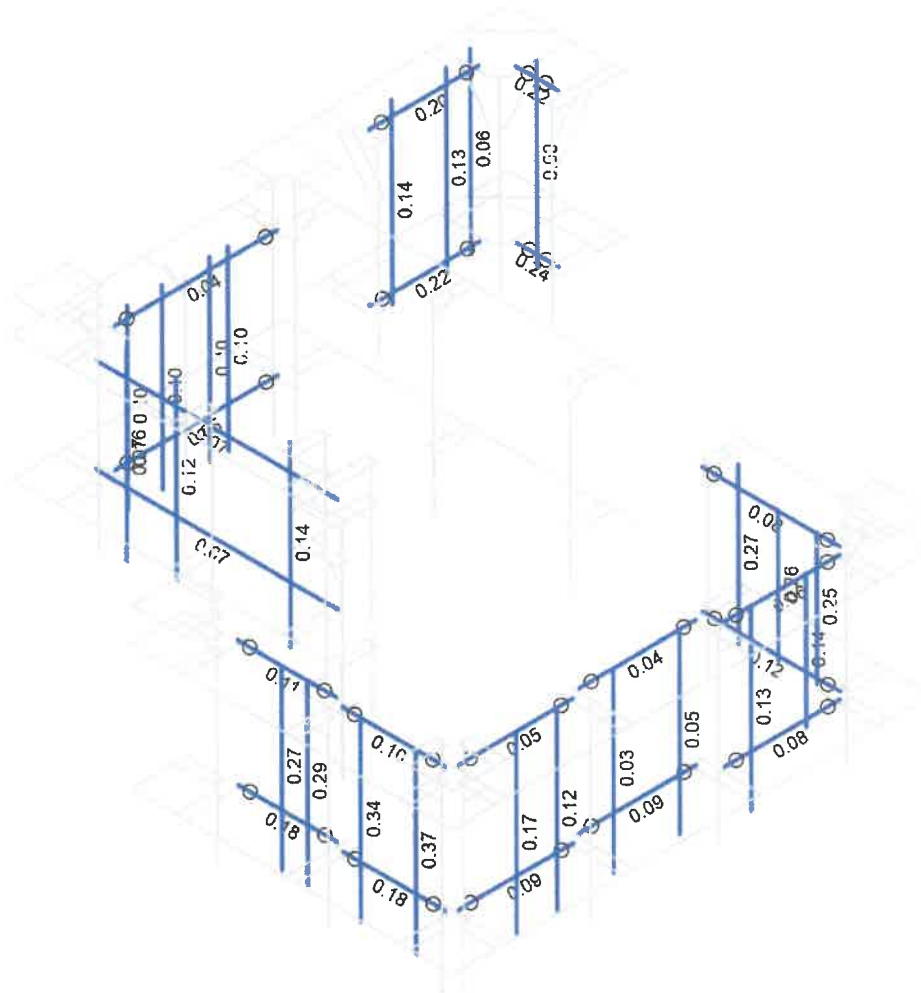
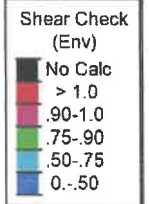
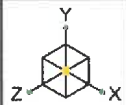
Mar 08, 2024 at 03:50 PM

2403524 B - Mount Rushmore 2023-03-14.r3d



Member Code Checks Displayed (Enveloped)

| | | | |
|---|------------------|---|---|
|  | SGS Towers, Inc. | NY10253B (St. Anthony Community Hospital) | SK-9 |
| | Tim Wordekemper | | Mar 08, 2024 at 03:53 PM |
| | 2403524 | | 2403524 B - Mount Rushmore 2023-03-14.r3d |
| | | Unity Bending Check | |



Member Shear Checks Displayed (Enveloped)



SGS Towers, Inc.
Tim Wordekemper
2403524

NY10253B (St. Anthony Community Hospital)

Shear Check

SK-10

Mar 08, 2024 at 03:54 PM

2403524 B - Mount Rushmore 2023-03-14.r3d

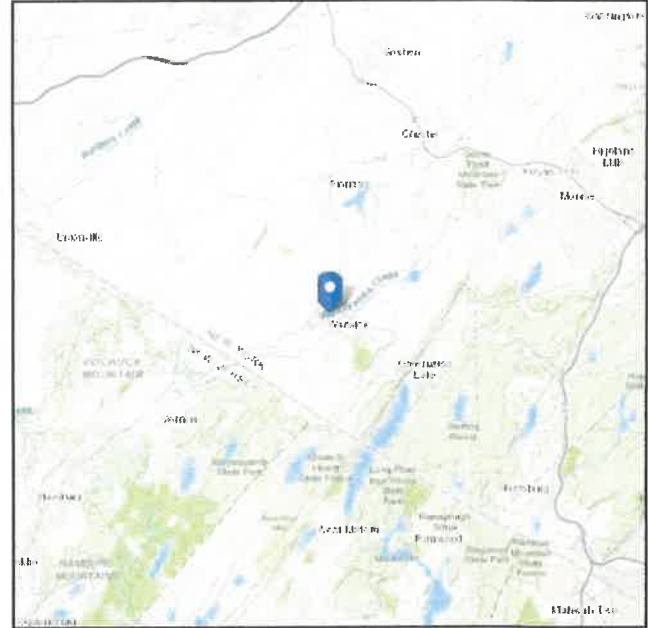
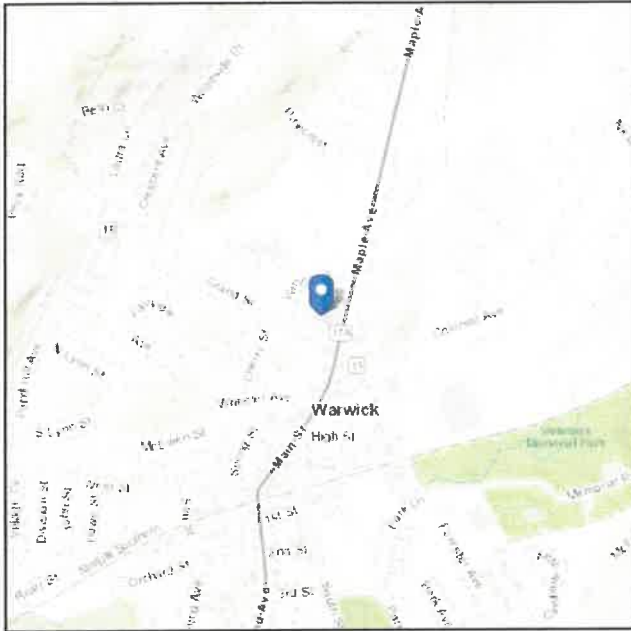


ASCE Hazards Report

Address:
No Address at This Location

Standard: ASCE/SEI 7-16
Risk Category: IV
Soil Class: D - Default (see
Section 11.4.3)

Latitude: 41.2614
Longitude: -74.3578
Elevation: 549.9239218954651 ft
(NAVD 88)



Wind

Results:

| | |
|--------------|----------|
| Wind Speed | 126 Vmph |
| 10-year MRI | 75 Vmph |
| 25-year MRI | 84 Vmph |
| 50-year MRI | 89 Vmph |
| 100-year MRI | 95 Vmph |

Data Source: ASCE/SEI 7-16, Fig. 26.5-1D and Figs. CC.2-1–CC.2-4, and Section 26.5.2

Date Accessed: Tue Mar 05 2024

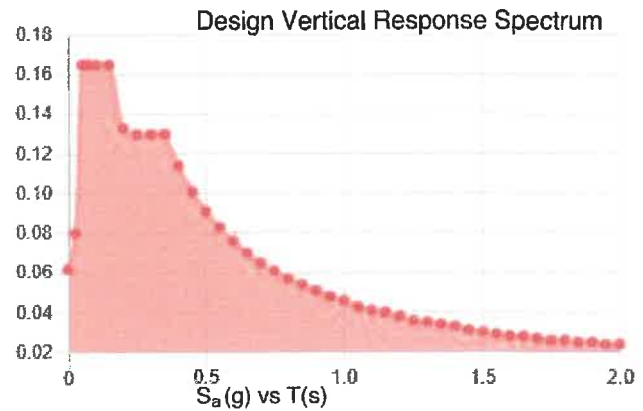
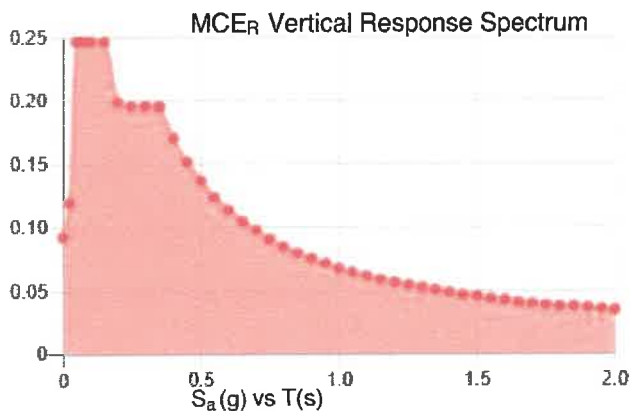
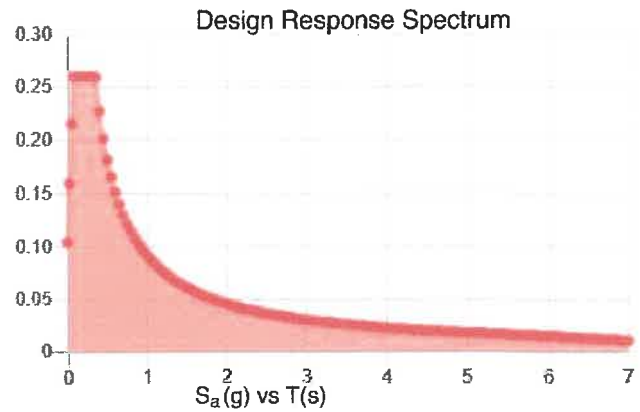
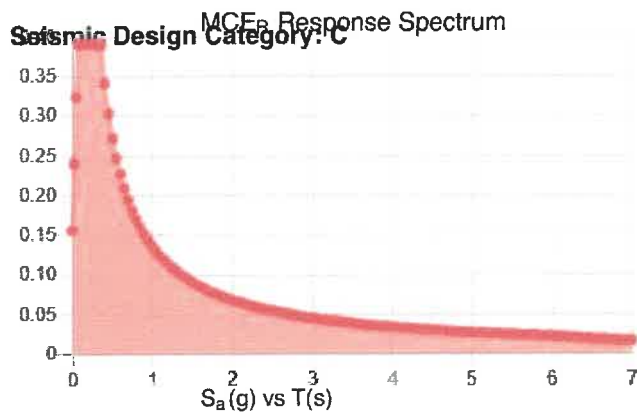
Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-16 Standard. Wind speeds correspond to approximately a 1.6% probability of exceedance in 50 years (annual exceedance probability = 0.00033, MRI = 3,000 years).

Site is not in a hurricane-prone region as defined in ASCE/SEI 7-16 Section 26.2.

Site Soil Class: D - Default (see Section 11.4.3)

Results:

| | | | |
|------------|-------|--------------------|-------|
| S_S : | 0.245 | S_{D1} : | 0.091 |
| S_1 : | 0.057 | T_L : | 6 |
| F_a : | 1.6 | PGA : | 0.145 |
| F_v : | 2.4 | PGA _M : | 0.219 |
| S_{MS} : | 0.391 | F_{PGA} : | 1.51 |
| S_{M1} : | 0.137 | I_e : | 1.5 |
| S_{DS} : | 0.261 | C_v : | 0.789 |



Data Accessed: Tue Mar 05 2024

Date Source:

USGS Seismic Design Maps based on ASCE/SEI 7-16 and ASCE/SEI 7-16 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-16 Ch. 21 are available from USGS.

Ice

Results:

Ice Thickness: 1.00 in.
Concurrent Temperature: 15 F
Gust Speed 40 mph

Data Source: Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8

Date Accessed: Tue Mar 05 2024

Ice thicknesses on structures in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

Values provided are equivalent radial ice thicknesses due to freezing rain with concurrent 3-second gust speeds, for a 500-year mean recurrence interval, and temperatures concurrent with ice thicknesses due to freezing rain. Thicknesses for ice accretions caused by other sources shall be obtained from local meteorological studies. Ice thicknesses in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

Results:

Mapped Elevation: 549.9 ft
Data Source: ASCE/SEI 7-16, Table 7.2-8
Date Accessed: Tue Mar 05 2024

In "Case Study" areas, site-specific case studies are required to establish ground snow loads. Extreme local variations in ground snow loads in these areas preclude mapping at this scale.

Ground snow load determination for such sites shall be based on an extreme value statistical analysis of data available in the vicinity of the site using a value with a 2 percent annual probability of being exceeded (50-year mean recurrence interval).

Values provided are ground snow loads. In areas designated "case study required," extreme local variations in ground snow loads preclude mapping at this scale. Site-specific case studies are required to establish ground snow loads at elevations not covered.

Snow load values are mapped to a 0.5 mile resolution. This resolution can create a mismatch between the mapped elevation and the site-specific elevation in topographically complex areas. Engineers should consult the local authority having jurisdiction in locations where the reported 'elevation' and 'mapped elevation' differ significantly from each other.

The ASCE Hazard Tool is provided for your convenience, for informational purposes only, and is provided "as is" and without warranties of any kind. The location data included herein has been obtained from information developed, produced, and maintained by third party providers; or has been extrapolated from maps incorporated in the ASCE standard. While ASCE has made every effort to use data obtained from reliable sources or methodologies, ASCE does not make any representations or warranties as to the accuracy, completeness, reliability, currency, or quality of any data provided herein. Any third-party links provided by this Tool should not be construed as an endorsement, affiliation, relationship, or sponsorship of such third-party content by or from ASCE.

ASCE does not intend, nor should anyone interpret, the results provided by this Tool to replace the sound judgment of a competent professional, having knowledge and experience in the appropriate field(s) of practice, nor to substitute for the standard of care required of such professionals in interpreting and applying the contents of this Tool or the ASCE standard.

In using this Tool, you expressly assume all risks associated with your use. Under no circumstances shall ASCE or its officers, directors, employees, members, affiliates, or agents be liable to you or any other person for any direct, indirect, special, incidental, or consequential damages arising from or related to your use of, or reliance on, the Tool or any information obtained therein. To the fullest extent permitted by law, you agree to release and hold harmless ASCE from any and all liability of any nature arising out of or resulting from any use of data provided by the ASCE Hazard Tool.



Mount Analysis per TIA-222-H-2017 - Add. 1 (Nov. 2019) and the 2018 IBC.

Basic Wind Speeds and Site Parameters

| Load Cases | Wind Speed V (mph) | Wind Pressure q_z (lb/ft ²) |
|---------------|----------------------------|---|
| No Ice (Bare) | 126 | 37.886 |
| Ice | 40 | 3.818 |
| Maintenance | 30 | 2.148 |

| | | | |
|----------------------|----------|-------|----|
| Design Ice Thickness | t_i | 1 | in |
| Risk Category | | IV | |
| Exposure Category | | B | |
| Topographic factor | K_{zt} | 1.000 | |
| Ground Elevation | z_s | 549.9 | ft |
| Mount Elevation CL | z | 74.92 | ft |

TIA-222-H - Table 2-1

TIA-222-H - 2.6.5.1.2

TIA-222-H - 2.6.6.2.2

Design Parameters Summary

| | | | | |
|-----------------------------------|----------|-------|----|---------------------|
| Velocity pressure coefficient | K_z | 0.910 | | TIA-222-H - 2.6.5.2 |
| Rooftop wind speed-up factor | K_s | 1.100 | | TIA-222-H - 2.6.7 |
| Ground elevation factor | K_e | 0.980 | | TIA-222-H - 2.6.8 |
| Wind direction probability factor | K_d | 0.950 | | TIA-222-H - 16.6 |
| Gust effect factor | G_h | 1.000 | | TIA-222-H - 16.6 |
| Shielding factor | K_a | 0.900 | | TIA-222-H - 16.6 |
| Radial ice thickness | t_{iz} | 1.357 | in | TIA-222-H - 2.6.10 |

Seismic Parameters Summary

| | | | | |
|---------------------------------|----------|-------------|----|-------------------|
| Seismic site class | | D (Default) | | |
| Spectral response, short | S_s | 0.245 | | |
| Spectral response, 1 s | S_1 | 0.057 | | |
| Design spectral response, 1 s | S_{D1} | 0.091 | | TIA-222-H - 2.7.5 |
| Design spectral response, short | S_{DS} | 0.261 | | TIA-222-H - 2.7.5 |
| Response modification coeff. | R | 2 | | TIA-222-H - 16.7 |
| Seismic response coefficient | C_s | 0.163 | | TIA-222-H - 16.7 |
| Earthquake amplification factor | A_s | 3 | | TIA-222-H - 16.7 |
| Weight of mount + appurtenances | D, W | 6,571 | lb | |
| Vertical seismic load effects | E_v | 343 | lb | TIA-222-H - 2.7.6 |
| Horizontal seismic load effects | E_h | 3,220 | lb | TIA-222-H - 2.7.7 |

Maintenance Parameters Summary

| | | | |
|---------------------------------|-------|---|----|
| Vertical, at mount pipes | L_M | 0 | lb |
| Vertical, on horizontal members | L_V | 0 | lb |



Appurtenance Loading Summary

| | Appurtenance: Make, Model | Qty | Height (in) | Width (in) | Depth (in) | Weight (lb) | Shape | Wind Force | |
|----------|----------------------------|-----|----------------|---------------|---------------|----------------|-------|---------------|--------------|
| | | | | | | | | Front (lb) | Side (lb) |
| T-Mobile | RFS APXVAARR18_43-U-NA20 | 3 | 72.00 | 24.50 | 9.50 | 93.19 | Flat | 509 | 230 |
| | Ericsson 4449 B71/B12 | 4 | 17.90 | 13.10 | 10.60 | 73.19 | Flat | 67 | 54 |
| | Ericsson 4460 B25+B66 | 4 | 19.70 | 15.78 | 12.20 | 109.12 | Flat | 88 | 68 |
| | Ericsson AIR6419 B41 | 4 | 34.50 | 19.90 | 8.00 | 65.00 | Flat | 195 | 84 |
| | RFS APXVAALL18_43-U-NA20 | 1 | 72.00 | 24.00 | 8.50 | 93.00 | Flat | 500 | 210 |
| Other | Samsung MMU | 4 | 41.34 | 19.70 | 5.50 | 143.30 | Flat | 231 | 76 |
| | Samsung CBRS RT4401-48A | 4 | 13.91 | 8.55 | 4.15 | 18.64 | Flat | 34 | 17 |
| | Raycap RVZDC-6627-PF-48 | 2 | 28.93 | 15.73 | 10.31 | 32.00 | Flat | 129 | 86 |
| | Samsung 1.9GHZ RRH | 4 | 23.80 | 13.80 | 9.00 | 60.00 | Flat | 93 | 61 |
| | Commscope SBNHH-1D45B | 8 | 72.00 | 18.00 | 7.00 | 64.40 | Flat | 389 | 180 |
| | Samsung 700MHZ RRU | 4 | 12.60 | 12.60 | 6.00 | 37.50 | Flat | 45 | 21 |



Company : SGS Towers, Inc.
 Designer : Tim Wordekemper
 Job Number : 2403524
 Model Name : NY10253B (St. Anthony Community H...

3/8/2024
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 Checked By : _____

Basic Load Cases

| | BLC Description | Category | Y Gravity | Nodal | Distributed |
|----|--------------------|----------|-----------|-------|-------------|
| 1 | Bare Weight | None | -1 | 186 | 32 |
| 2 | Ice Weight | None | | 186 | 498 |
| 3 | Wind (bare) 0° | None | | | 6 |
| 4 | Wind (bare) 30° | None | | | |
| 5 | Wind (bare) 60° | None | | | |
| 6 | Wind (bare) 90° | None | | | 8 |
| 7 | Wind (bare) 120° | None | | | |
| 8 | Wind (bare) 150° | None | | | |
| 9 | Wind (bare) 180° | None | | | 12 |
| 10 | Wind (bare) 210° | None | | | |
| 11 | Wind (bare) 240° | None | | | |
| 12 | Wind (bare) 270° | None | | | 8 |
| 13 | Wind (bare) 300° | None | | | |
| 14 | Wind (bare) 330° | None | | | |
| 15 | Wind (ice) 0° | None | | | 6 |
| 16 | Wind (ice) 30° | None | | | |
| 17 | Wind (ice) 60° | None | | | |
| 18 | Wind (ice) 90° | None | | | 8 |
| 19 | Wind (ice) 120° | None | | | |
| 20 | Wind (ice) 150° | None | | | |
| 21 | Wind (ice) 180° | None | | | 12 |
| 22 | Wind (ice) 210° | None | | | |
| 23 | Wind (ice) 240° | None | | | |
| 24 | Wind (ice) 270° | None | | | 8 |
| 25 | Wind (ice) 300° | None | | | |
| 26 | Wind (ice) 330° | None | | | |
| 27 | Wind (maint.) 0° | None | | | |
| 28 | Wind (maint.) 30° | None | | | |
| 29 | Wind (maint.) 60° | None | | | |
| 30 | Wind (maint.) 90° | None | | | |
| 31 | Wind (maint.) 120° | None | | | |
| 32 | Wind (maint.) 150° | None | | | |
| 33 | Wind (maint.) 180° | None | | | |
| 34 | Wind (maint.) 210° | None | | | |
| 35 | Wind (maint.) 240° | None | | | |
| 36 | Wind (maint.) 270° | None | | | |
| 37 | Wind (maint.) 300° | None | | | |
| 38 | Wind (maint.) 330° | None | | | |
| 39 | Seismic - Ev (Y) | None | | | 262 |
| 40 | Seismic - Eh (X) | None | | | 262 |
| 41 | Seismic - Eh (Z) | None | | | 262 |

Load Combinations

| | Description | Solve | P-Delta | BLC | Factor | BLC | Factor | BLC | Factor |
|----|------------------------------------|-------|---------|-----|--------|-----|--------|-----|--------|
| 1 | Wind - (1.2D + 1.0Wo) - 0° | Yes | Y | 1 | 1.2 | 3 | 1 | | |
| 2 | Wind - (1.2D + 1.0Wo) - 30° | | Y | 1 | 1.2 | 4 | 1 | | |
| 3 | Wind - (1.2D + 1.0Wo) - 60° | | Y | 1 | 1.2 | 5 | 1 | | |
| 4 | Wind - (1.2D + 1.0Wo) - 90° | Yes | Y | 1 | 1.2 | 6 | 1 | | |
| 5 | Wind - (1.2D + 1.0Wo) - 120° | | Y | 1 | 1.2 | 7 | 1 | | |
| 6 | Wind - (1.2D + 1.0Wo) - 150° | | Y | 1 | 1.2 | 8 | 1 | | |
| 7 | Wind - (1.2D + 1.0Wo) - 180° | Yes | Y | 1 | 1.2 | 9 | 1 | | |
| 8 | Wind - (1.2D + 1.0Wo) - 210° | | Y | 1 | 1.2 | 10 | 1 | | |
| 9 | Wind - (1.2D + 1.0Wo) - 240° | | Y | 1 | 1.2 | 11 | 1 | | |
| 10 | Wind - (1.2D + 1.0Wo) - 270° | Yes | Y | 1 | 1.2 | 12 | 1 | | |
| 11 | Wind - (1.2D + 1.0Wo) - 300° | | Y | 1 | 1.2 | 13 | 1 | | |
| 12 | Wind - (1.2D + 1.0Wo) - 330° | | Y | 1 | 1.2 | 14 | 1 | | |
| 13 | Ice - (1.2D + 1.0Di + 10 Wi) - 0° | Yes | Y | 1 | 1.2 | 2 | 1 | 15 | 1 |
| 14 | Ice - (1.2D + 1.0Di + 10 Wi) - 30° | | Y | 1 | 1.2 | 2 | 1 | 16 | 1 |
| 15 | Ice - (1.2D + 1.0Di + 10 Wi) - 60° | | Y | 1 | 1.2 | 2 | 1 | 17 | 1 |
| 16 | Ice - (1.2D + 1.0Di + 10 Wi) - 90° | Yes | Y | 1 | 1.2 | 2 | 1 | 18 | 1 |



Company : SGS Towers, Inc.
 Designer : Tim Wordekemper
 Job Number : 2403524
 Model Name : NY10253B (St. Anthony Community H...)

3/8/2024
 3:57:11 PM
 Checked By : _____

Load Combinations (Continued)

| | Description | Solve | P-Delta | BLC | Factor | BLC | Factor | BLC | Factor |
|----|---|-------|---------|-----|--------|-----|--------|-----|--------|
| 17 | Ice - (1.2D + 1.0Di + 10 Wi) - 120° | | Y | 1 | 1.2 | 2 | 1 | 19 | 1 |
| 18 | Ice - (1.2D + 1.0Di + 10 Wi) - 150° | | Y | 1 | 1.2 | 2 | 1 | 20 | 1 |
| 19 | Ice - (1.2D + 1.0Di + 10 Wi) - 180° | Yes | Y | 1 | 1.2 | 2 | 1 | 21 | 1 |
| 20 | Ice - (1.2D + 1.0Di + 10 Wi) - 210° | | Y | 1 | 1.2 | 2 | 1 | 22 | 1 |
| 21 | Ice - (1.2D + 1.0Di + 10 Wi) - 240° | | Y | 1 | 1.2 | 2 | 1 | 23 | 1 |
| 22 | Ice - (1.2D + 1.0Di + 10 Wi) - 270° | Yes | Y | 1 | 1.2 | 2 | 1 | 24 | 1 |
| 23 | Ice - (1.2D + 1.0Di + 10 Wi) - 300° | | Y | 1 | 1.2 | 2 | 1 | 25 | 1 |
| 24 | Ice - (1.2D + 1.0Di + 10 Wi) - 330° | | Y | 1 | 1.2 | 2 | 1 | 26 | 1 |
| 25 | Maint. - (1.4D) | Yes | Y | 1 | 1.4 | | | | |
| 26 | Seismic - (1.2D + 1.0Ev + 1.0Eh) (X-dir.) | Yes | Y | 1 | 1.2 | 39 | 1 | 40 | 1 |
| 27 | Seismic - (1.2D + 1.0Ev + 1.0Eh) (Z-dir.) | Yes | Y | 1 | 1.2 | 39 | 1 | 41 | 1 |

Node Boundary Conditions

| | Node Label | X [k/in] | Y [k/in] | Z [k/in] | X Rot [k-ft/rad] | Y Rot [k-ft/rad] | Z Rot [k-ft/rad] |
|----|------------|----------|----------|----------|------------------|------------------|------------------|
| 1 | N44 | Reaction | Reaction | Reaction | Reaction | Reaction | Reaction |
| 2 | N61 | Reaction | Reaction | Reaction | Reaction | Reaction | Reaction |
| 3 | N1 | Reaction | Reaction | Reaction | Reaction | Reaction | Reaction |
| 4 | N286 | Reaction | Reaction | Reaction | Reaction | Reaction | Reaction |
| 5 | N72 | Reaction | Reaction | Reaction | Reaction | Reaction | Reaction |
| 6 | N462 | Reaction | Reaction | Reaction | Reaction | Reaction | Reaction |
| 7 | N198 | Reaction | Reaction | Reaction | Reaction | Reaction | Reaction |
| 8 | N264 | Reaction | Reaction | Reaction | Reaction | Reaction | Reaction |
| 9 | N308 | Reaction | Reaction | Reaction | Reaction | Reaction | Reaction |
| 10 | N352 | Reaction | Reaction | Reaction | Reaction | Reaction | Reaction |
| 11 | N220 | Reaction | Reaction | Reaction | Reaction | Reaction | Reaction |
| 12 | N374 | Reaction | Reaction | Reaction | Reaction | Reaction | Reaction |
| 13 | N396 | Reaction | Reaction | Reaction | Reaction | Reaction | Reaction |
| 14 | N418 | Reaction | Reaction | Reaction | Reaction | Reaction | Reaction |
| 15 | N484 | Reaction | Reaction | Reaction | Reaction | Reaction | Reaction |
| 16 | N440 | Reaction | Reaction | Reaction | Reaction | Reaction | Reaction |
| 17 | N176 | Reaction | Reaction | Reaction | Reaction | Reaction | Reaction |
| 18 | N18 | Reaction | Reaction | Reaction | Reaction | Reaction | Reaction |
| 19 | N83 | Reaction | Reaction | Reaction | Reaction | Reaction | Reaction |
| 20 | N330 | Reaction | Reaction | Reaction | Reaction | Reaction | Reaction |
| 21 | N242 | Reaction | Reaction | Reaction | Reaction | Reaction | Reaction |
| 22 | N743 | Reaction | Reaction | Reaction | Reaction | Reaction | Reaction |
| 23 | N761 | Reaction | Reaction | Reaction | Reaction | Reaction | Reaction |
| 24 | N811 | Reaction | Reaction | Reaction | Reaction | Reaction | Reaction |

Member Primary Data

| | Label | I Node | J Node | Rotate(deg) | Section/Shape | Type | Design List | Material | Design Rule |
|----|--------|--------|--------|-------------|--------------------|------|-------------|-----------|-------------|
| 1 | AH1.1 | N793 | N794 | 90 | Angle Horizontal 1 | Beam | None | A36 Gr.36 | Typical |
| 2 | AH1.2 | N665 | N667 | 90 | Angle Horizontal 1 | Beam | None | A36 Gr.36 | Typical |
| 3 | AH1.3 | N862 | N864 | | Angle Horizontal 1 | Beam | None | A36 Gr.36 | Typical |
| 4 | AH1.4 | N861 | N863 | 90 | Angle Horizontal 1 | Beam | None | A36 Gr.36 | Typical |
| 5 | AH1.5 | N545 | N548 | | Angle Horizontal 1 | Beam | None | A36 Gr.36 | Typical |
| 6 | AH1.6 | N546 | N547 | | Angle Horizontal 1 | Beam | None | A36 Gr.36 | Typical |
| 7 | AH1.7 | N791 | N792 | | Angle Horizontal 1 | Beam | None | A36 Gr.36 | Typical |
| 8 | AH1.8 | N666 | N668 | 90 | Angle Horizontal 1 | Beam | None | A36 Gr.36 | Typical |
| 9 | AH2.1 | N713 | N716 | | Angle Horizontal 2 | Beam | None | A36 Gr.36 | Typical |
| 10 | AH2.2 | N839 | N840 | 90 | Angle Horizontal 2 | Beam | None | A36 Gr.36 | Typical |
| 11 | AH2.3 | N648 | N649 | | Angle Horizontal 2 | Beam | None | A36 Gr.36 | Typical |
| 12 | AH2.4 | N624 | N626 | | Angle Horizontal 2 | Beam | None | A36 Gr.36 | Typical |
| 13 | AH2.5 | N623 | N627 | | Angle Horizontal 2 | Beam | None | A36 Gr.36 | Typical |
| 14 | AH2.6 | N843 | N844 | | Angle Horizontal 2 | Beam | None | A36 Gr.36 | Typical |
| 15 | AH2.7 | N587 | N588 | | Angle Horizontal 2 | Beam | None | A36 Gr.36 | Typical |
| 16 | AH2.8 | N585 | N586 | | Angle Horizontal 2 | Beam | None | A36 Gr.36 | Typical |
| 17 | AH2.9 | N579 | N580 | | Angle Horizontal 2 | Beam | None | A36 Gr.36 | Typical |
| 18 | AH2.10 | N577 | N578 | | Angle Horizontal 2 | Beam | None | A36 Gr.36 | Typical |



Company : SGS Towers, Inc.
Designer : Tim Wordekemper
Job Number : 2403524
Model Name : NY10253B (St. Anthony Community H...

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Member Primary Data (Continued)

| | Label | I Node | J Node | Rotate(deg) | Section/Shape | Type | Design List | Material | Design Rule |
|----|-----------|--------|--------|-------------|----------------------|------|-------------|-------------|-------------|
| 19 | AH2.11 | N732 | N734 | | Angle Horizontal 2 | Beam | None | A36 Gr.36 | Typical |
| 20 | AH2.12 | N615 | N619 | | Angle Horizontal 2 | Beam | None | A36 Gr.36 | Typical |
| 21 | FRP.AH1 | N854 | N852 | | FRP Angle Horizontal | Beam | None | FRP 500/525 | Typical |
| 22 | FRP.AH2 | N853 | N851 | 90 | FRP Angle Horizontal | Beam | None | FRP 500/525 | Typical |
| 23 | FRP.ASO1 | N341 | N346 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 24 | FRP.ASO2 | N634 | N502 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 25 | FRP.ASO3 | N366 | N371 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 26 | FRP.ASO4 | N561 | N372 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 27 | FRP.ASO5 | N361 | N373 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 28 | FRP.ASO6 | N109 | N115 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 29 | FRP.ASO7 | N274 | N284 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 30 | FRP.ASO8 | N569 | N414 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 31 | FRP.ASO9 | N563 | N391 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 32 | FRP.ASO10 | N427 | N439 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 33 | FRP.ASO11 | N265 | N282 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 34 | FRP.ASO12 | N570 | N412 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 35 | FRP.ASO13 | N275 | N280 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 36 | FRP.ASO14 | N453 | N457 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 37 | FRP.ASO15 | N428 | N438 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 38 | FRP.ASO16 | N432 | N437 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 39 | FRP.ASO17 | N571 | N368 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 40 | FRP.ASO18 | N564 | N394 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 41 | FRP.ASO19 | N567 | N435 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 42 | FRP.ASO20 | N429 | N434 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 43 | FRP.ASO21 | N562 | N392 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 44 | FRP.ASO22 | N253 | N258 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 45 | FRP.ASO23 | N565 | N413 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 46 | FRP.ASO24 | N568 | N390 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 47 | FRP.ASO25 | N277 | N281 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 48 | FRP.ASO26 | N353 | N370 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 49 | FRP.ASO27 | N441 | N458 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 50 | FRP.ASO28 | N365 | N369 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 51 | FRP.ASO29 | N632 | N480 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 52 | FRP.ASO30 | N613 | N479 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 53 | FRP.ASO31 | N633 | N478 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 54 | FRP.ASO32 | N331 | N348 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 55 | FRP.ASO33 | N318 | N328 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 56 | FRP.ASO34 | N616 | N482 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 57 | FRP.ASO35 | N344 | N349 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 58 | FRP.ASO36 | N321 | N325 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 59 | FRP.ASO37 | N319 | N324 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 60 | FRP.ASO38 | N495 | N500 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 61 | FRP.ASO39 | N617 | N501 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 62 | FRP.ASO40 | N340 | N350 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 63 | FRP.ASO41 | N339 | N351 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 64 | FRP.ASO42 | N631 | N456 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 65 | FRP.ASO43 | N296 | N306 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 66 | FRP.ASO44 | N449 | N461 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 67 | FRP.ASO45 | N614 | N460 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 68 | FRP.ASO46 | N454 | N459 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 69 | FRP.ASO47 | N498 | N503 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 70 | FRP.ASO48 | N494 | N504 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 71 | FRP.ASO49 | N287 | N304 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 72 | FRP.ASO50 | N493 | N505 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 73 | FRP.ASO51 | N299 | N303 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 74 | FRP.ASO52 | N297 | N302 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 75 | FRP.ASO53 | N572 | N436 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 76 | FRP.ASO54 | N343 | N347 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 77 | FRP.ASO55 | N309 | N326 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 78 | FRP.ASO56 | N140 | N145 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 79 | FRP.ASO57 | N252 | N262 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |



Company : SGS Towers, Inc.
Designer : Tim Wordekemper
Job Number : 2403524
Model Name : NY10253B (St. Anthony Community H...

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Checked By : _____

Member Primary Data (Continued)

| | Label | I Node | J Node | Rotate(deg) | Section/Shape | Type | Design List | Material | Design Rule |
|-----|------------|--------|--------|-------------|--------------------|------|-------------|-------------|-------------|
| 80 | FRP.ASO58 | N123 | N54 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 81 | FRP.ASO59 | N757 | N762 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 82 | FRP.ASO60 | N751 | N753 | 270 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 83 | FRP.ASO61 | N125 | N53 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 84 | FRP.ASO62 | N119 | N132 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 85 | FRP.ASO63 | N121 | N133 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 86 | FRP.ASO64 | N750 | N754 | | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 87 | FRP.ASO65 | N152 | N158 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 88 | FRP.ASO66 | N815 | N816 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 89 | FRP.ASO67 | N148 | N160 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 90 | FRP.ASO68 | N163 | N170 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 91 | FRP.ASO69 | N256 | N261 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 92 | FRP.ASO70 | N138 | N144 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 93 | FRP.ASO71 | N166 | N172 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 94 | FRP.ASO72 | N814 | N817 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 95 | FRP.ASO73 | N752 | N764 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 96 | FRP.ASO74 | N825 | N826 | 270 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 97 | FRP.ASO75 | N124 | N52 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 98 | FRP.ASO76 | N107 | N118 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 99 | FRP.ASO77 | N134 | N146 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 100 | FRP.ASO78 | N139 | N143 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 101 | FRP.ASO79 | N135 | N142 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 102 | FRP.ASO80 | N98 | N104 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 103 | FRP.ASO81 | N100 | N103 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 104 | FRP.ASO82 | N99 | N102 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 105 | FRP.ASO83 | N91 | N97 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 106 | FRP.ASO84 | N93 | N96 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 107 | FRP.ASO85 | N92 | N95 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 108 | FRP.ASO86 | N778 | N781 | | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 109 | FRP.ASO87 | N779 | N780 | 270 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 110 | FRP.ASO88 | N766 | N771 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 111 | FRP.ASO89 | N769 | N770 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 112 | FRP.ASO90 | N111 | N116 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 113 | FRP.ASO91 | N105 | N117 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 114 | FRP.ASO92 | N120 | N128 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 115 | FRP.ASO93 | N168 | N173 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 116 | FRP.ASO94 | N167 | N171 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 117 | FRP.ASO95 | N702 | N216 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 118 | FRP.ASO96 | N566 | N416 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 119 | FRP.ASO97 | N231 | N236 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 120 | FRP.ASO98 | N703 | N215 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 121 | FRP.ASO99 | N705 | N237 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 122 | FRP.ASO100 | N110 | N114 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 123 | FRP.ASO101 | N708 | N192 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 124 | FRP.ASO102 | N149 | N156 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 125 | FRP.ASO103 | N153 | N157 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 126 | FRP.ASO104 | N234 | N239 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 127 | FRP.ASO105 | N230 | N240 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 128 | FRP.ASO106 | N185 | N197 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 129 | FRP.ASO107 | N701 | N196 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 130 | FRP.ASO108 | N190 | N195 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 131 | FRP.ASO109 | N106 | N113 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 132 | FRP.ASO110 | N136 | N147 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 133 | FRP.ASO111 | N251 | N263 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 134 | FRP.ASO112 | N177 | N194 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 135 | FRP.ASO113 | N189 | N193 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 136 | FRP.ASO114 | N707 | N238 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 137 | FRP.ASO115 | N243 | N260 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 138 | FRP.ASO116 | N255 | N259 | 180 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 139 | FRP.ASO117 | N824 | N827 | | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 140 | FRP.ASO118 | N164 | N175 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |



Company : SGS Towers, Inc.
Designer : Tim Wordekemper
Job Number : 2403524
Model Name : NY10253B (St. Anthony Community H...

3/8/2024
3:57:11 PM
Checked By : _____

Member Primary Data (Continued)

| | Label | I Node | J Node | Rotate(deg) | Section/Shape | Type | Design List | Material | Design Rule |
|-----|---------------|--------|--------|-------------|----------------------|------|-------------|-------------|-------------|
| 141 | FRP.ASO119 | N162 | N174 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 142 | FRP.ASO120 | N229 | N241 | 90 | FRP Angle Standoff | Beam | None | FRP 500/525 | Typical |
| 143 | FRP.B1 | N84 | N87 | | FRP Brace | Beam | None | FRP 500/525 | Typical |
| 144 | FRP.B2 | N269 | N272 | | FRP Brace | Beam | None | FRP 500/525 | Typical |
| 145 | FRP.B3 | N401 | N404 | | FRP Brace | Beam | None | FRP 500/525 | Typical |
| 146 | FRP.B4 | N423 | N426 | | FRP Brace | Beam | None | FRP 500/525 | Typical |
| 147 | FRP.B5 | N73 | N76 | | FRP Brace | Beam | None | FRP 500/525 | Typical |
| 148 | FRP.B6 | N379 | N382 | | FRP Brace | Beam | None | FRP 500/525 | Typical |
| 149 | FRP.B7 | N247 | N250 | | FRP Brace | Beam | None | FRP 500/525 | Typical |
| 150 | FRP.B8 | N467 | N470 | | FRP Brace | Beam | None | FRP 500/525 | Typical |
| 151 | FRP.B9 | N225 | N228 | | FRP Brace | Beam | None | FRP 500/525 | Typical |
| 152 | FRP.B10 | N24 | N25 | | FRP Brace | Beam | None | FRP 500/525 | Typical |
| 153 | FRP.B11 | N489 | N492 | | FRP Brace | Beam | None | FRP 500/525 | Typical |
| 154 | FRP.B12 | N291 | N294 | | FRP Brace | Beam | None | FRP 500/525 | Typical |
| 155 | FRP.B13 | N9 | N10 | | FRP Brace | Beam | None | FRP 500/525 | Typical |
| 156 | FRP.B14 | N203 | N206 | | FRP Brace | Beam | None | FRP 500/525 | Typical |
| 157 | FRP.B15 | N45 | N48 | | FRP Brace | Beam | None | FRP 500/525 | Typical |
| 158 | FRP.B16 | N357 | N360 | | FRP Brace | Beam | None | FRP 500/525 | Typical |
| 159 | FRP.B17 | N445 | N448 | | FRP Brace | Beam | None | FRP 500/525 | Typical |
| 160 | FRP.B18 | N62 | N65 | | FRP Brace | Beam | None | FRP 500/525 | Typical |
| 161 | FRP.B19 | N181 | N184 | | FRP Brace | Beam | None | FRP 500/525 | Typical |
| 162 | FRP.B20 | N313 | N316 | | FRP Brace | Beam | None | FRP 500/525 | Typical |
| 163 | FRP.B21 | N335 | N338 | | FRP Brace | Beam | None | FRP 500/525 | Typical |
| 164 | FRP.C1 | N418 | N424 | | FRP Column | Beam | None | FRP 500/525 | Typical |
| 165 | FRP.C2 | N440 | N446 | 270 | FRP Column | Beam | None | FRP 500/525 | Typical |
| 166 | FRP.C3 | N743 | N749 | 180 | FRP Column | Beam | None | FRP 500/525 | Typical |
| 167 | FRP.C4 | N462 | N468 | 270 | FRP Column | Beam | None | FRP 500/525 | Typical |
| 168 | FRP.C5 | N761 | N765 | 180 | FRP Column | Beam | None | FRP 500/525 | Typical |
| 169 | FRP.C6 | N811 | N813 | 90 | FRP Column | Beam | None | FRP 500/525 | Typical |
| 170 | FRP.C7 | N484 | N490 | 270 | FRP Column | Beam | None | FRP 500/525 | Typical |
| 171 | FRP.C8 | N1 | N2 | 180 | FRP Column | Beam | None | FRP 500/525 | Typical |
| 172 | FRP.C9 | N176 | N182 | 180 | FRP Column | Beam | None | FRP 500/525 | Typical |
| 173 | FRP.C10 | N352 | N358 | | FRP Column | Beam | None | FRP 500/525 | Typical |
| 174 | FRP.C11 | N61 | N63 | 270 | FRP Column | Beam | None | FRP 500/525 | Typical |
| 175 | FRP.C12 | N308 | N314 | 90 | FRP Column | Beam | None | FRP 500/525 | Typical |
| 176 | FRP.C13 | N72 | N74 | 270 | FRP Column | Beam | None | FRP 500/525 | Typical |
| 177 | FRP.C14 | N286 | N292 | 90 | FRP Column | Beam | None | FRP 500/525 | Typical |
| 178 | FRP.C15 | N374 | N380 | | FRP Column | Beam | None | FRP 500/525 | Typical |
| 179 | FRP.C16 | N18 | N19 | 180 | FRP Column | Beam | None | FRP 500/525 | Typical |
| 180 | FRP.C17 | N220 | N226 | 180 | FRP Column | Beam | None | FRP 500/525 | Typical |
| 181 | FRP.C18 | N44 | N46 | 270 | FRP Column | Beam | None | FRP 500/525 | Typical |
| 182 | FRP.C19 | N198 | N204 | 180 | FRP Column | Beam | None | FRP 500/525 | Typical |
| 183 | FRP.C20 | N83 | N85 | 270 | FRP Column | Beam | None | FRP 500/525 | Typical |
| 184 | FRP.C21 | N396 | N402 | | FRP Column | Beam | None | FRP 500/525 | Typical |
| 185 | FRP.C22 | N264 | N270 | 90 | FRP Column | Beam | None | FRP 500/525 | Typical |
| 186 | FRP.C23 | N242 | N248 | 90 | FRP Column | Beam | None | FRP 500/525 | Typical |
| 187 | FRP.C24 | N330 | N336 | 90 | FRP Column | Beam | None | FRP 500/525 | Typical |
| 188 | FRP.PANEL1.L1 | N513 | N514 | 90 | FRP Angle Horizontal | Beam | None | FRP 500/525 | Typical |
| 189 | FRP.PANEL1.L2 | N518 | N519 | 90 | FRP Angle Horizontal | Beam | None | FRP 500/525 | Typical |
| 190 | FRP.PANEL1.S1 | N521 | N509 | 90 | FRP Angle Horizontal | Beam | None | FRP 500/525 | Typical |
| 191 | FRP.PANEL1.S2 | N508 | N481 | 90 | FRP Angle Horizontal | Beam | None | FRP 500/525 | Typical |
| 192 | FRP.PANEL2.L1 | N514 | N12 | 90 | FRP Angle Horizontal | Beam | None | FRP 500/525 | Typical |
| 193 | FRP.PANEL2.L2 | N519 | N14 | 90 | FRP Angle Horizontal | Beam | None | FRP 500/525 | Typical |
| 194 | FRP.PANEL2.S1 | N520 | N510 | 90 | FRP Angle Horizontal | Beam | None | FRP 500/525 | Typical |
| 195 | FRP.PANEL2.S2 | N509 | N471 | 90 | FRP Angle Horizontal | Beam | None | FRP 500/525 | Typical |
| 196 | FRP.PANEL3.S1 | N14 | N17 | 90 | FRP Angle Horizontal | Beam | None | FRP 500/525 | Typical |
| 197 | FRP.PANEL3.S2 | N510 | N16 | 90 | FRP Angle Horizontal | Beam | None | FRP 500/525 | Typical |
| 198 | FRP.PANEL3.S3 | N31 | N40 | 90 | FRP Angle Horizontal | Beam | None | FRP 500/525 | Typical |
| 199 | FRP.PANEL3.S4 | N29 | N38 | 90 | FRP Angle Horizontal | Beam | None | FRP 500/525 | Typical |
| 200 | FRP.PANEL3.S5 | N12 | N15 | 90 | FRP Angle Horizontal | Beam | None | FRP 500/525 | Typical |
| 201 | FRP.PANEL3.S6 | N30 | N39 | 90 | FRP Angle Horizontal | Beam | None | FRP 500/525 | Typical |



Company : SGS Towers, Inc.
Designer : Tim Wordekemper
Job Number : 2403524
Model Name : NY10253B (St. Anthony Community H...

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Checked By : _____

Member Primary Data (Continued)

| | Label | I Node | J Node | Rotate(deg) | Section/Shape | Type | Design List | Material | Design Rule |
|-----|---------------|--------|--------|-------------|----------------------------|------|-------------|-------------|-------------|
| 202 | FRP.PANEL4.L1 | N132 | N511 | 90 | FRP Angle Horizontal | Beam | None | FRP 500/525 | Typical |
| 203 | FRP.PANEL4.L2 | N128 | N516 | 90 | FRP Angle Horizontal | Beam | None | FRP 500/525 | Typical |
| 204 | FRP.PANEL4.S1 | N522 | N506 | 90 | FRP Angle Horizontal | Beam | None | FRP 500/525 | Typical |
| 205 | FRP.PANEL4.S2 | N133 | N523 | 90 | FRP Angle Horizontal | Beam | None | FRP 500/525 | Typical |
| 206 | FRP.PANEL5.L1 | N516 | N517 | 90 | FRP Angle Horizontal | Beam | None | FRP 500/525 | Typical |
| 207 | FRP.PANEL5.L2 | N511 | N512 | 90 | FRP Angle Horizontal | Beam | None | FRP 500/525 | Typical |
| 208 | FRP.PANEL5.S1 | N506 | N476 | 90 | FRP Angle Horizontal | Beam | None | FRP 500/525 | Typical |
| 209 | FRP.PANEL5.S2 | N483 | N507 | 90 | FRP Angle Horizontal | Beam | None | FRP 500/525 | Typical |
| 210 | FRP.PANEL6.L1 | N512 | N528 | 90 | FRP Angle Horizontal | Beam | None | FRP 500/525 | Typical |
| 211 | FRP.PANEL6.L2 | N517 | N529 | 90 | FRP Angle Horizontal | Beam | None | FRP 500/525 | Typical |
| 212 | FRP.PANEL6.S1 | N507 | N465 | 90 | FRP Angle Horizontal | Beam | None | FRP 500/525 | Typical |
| 213 | FRP.PANEL7.L1 | N527 | N518 | 90 | FRP Angle Horizontal | Beam | None | FRP 500/525 | Typical |
| 214 | FRP.PANEL7.L2 | N526 | N513 | 90 | FRP Angle Horizontal | Beam | None | FRP 500/525 | Typical |
| 215 | FRP.PANEL7.S1 | N515 | N508 | 90 | FRP Angle Horizontal | Beam | None | FRP 500/525 | Typical |
| 216 | FRP.PANEL8.L1 | N796 | N798 | | FRP Angle Horizontal | Beam | None | FRP 500/525 | Typical |
| 217 | FRP.PANEL8.L2 | N795 | N797 | 90 | FRP Angle Horizontal | Beam | None | FRP 500/525 | Typical |
| 218 | FRP.PANEL9.L1 | N798 | N785 | | FRP Angle Horizontal | Beam | None | FRP 500/525 | Typical |
| 219 | FRP.PANEL9.L2 | N797 | N775 | 90 | FRP Angle Horizontal | Beam | None | FRP 500/525 | Typical |
| 220 | FRP.PL1 | N835 | N772 | | FRP Plate | Beam | None | FRP 500/525 | Typical |
| 221 | FRP.PL2 | N760 | N756 | | FRP Plate | Beam | None | FRP 500/525 | Typical |
| 222 | FRP.PL3 | N745 | N767 | | FRP Plate | Beam | None | FRP 500/525 | Typical |
| 223 | FRP.PL4 | N747 | N768 | | FRP Plate | Beam | None | FRP 500/525 | Typical |
| 224 | FRP.PL5 | N831 | N828 | | FRP Plate | Beam | None | FRP 500/525 | Typical |
| 225 | FRP.PL6 | N832 | N829 | | FRP Plate | Beam | None | FRP 500/525 | Typical |
| 226 | FRP.PL7 | N759 | N755 | | FRP Plate | Beam | None | FRP 500/525 | Typical |
| 227 | FRP.PL8 | N776 | N773 | | FRP Plate | Beam | None | FRP 500/525 | Typical |
| 228 | FRP.PL9 | N822 | N819 | | FRP Plate | Beam | None | FRP 500/525 | Typical |
| 229 | FRP.PL10 | N821 | N818 | | FRP Plate | Beam | None | FRP 500/525 | Typical |
| 230 | FRP.PL11 | N833 | N782 | | FRP Plate | Beam | None | FRP 500/525 | Typical |
| 231 | FRP.PL12 | N786 | N783 | | FRP Plate | Beam | None | FRP 500/525 | Typical |
| 232 | OTHER.A1 | N599 | N597 | | Antenna Mount Pipe (Other) | Beam | None | A53 Gr.B | Typical |
| 233 | OTHER.A2 | N600 | N598 | | Antenna Mount Pipe (Other) | Beam | None | A53 Gr.B | Typical |
| 234 | OTHER.A3 | N611 | N609 | | Antenna Mount Pipe (Other) | Beam | None | A53 Gr.B | Typical |
| 235 | OTHER.A4 | N612 | N610 | | Antenna Mount Pipe (Other) | Beam | None | A53 Gr.B | Typical |
| 236 | OTHER.B1 | N657 | N653 | | Antenna Mount Pipe (Other) | Beam | None | A53 Gr.B | Typical |
| 237 | OTHER.B2 | N658 | N654 | | Antenna Mount Pipe (Other) | Beam | None | A53 Gr.B | Typical |
| 238 | OTHER.B3 | N659 | N655 | | Antenna Mount Pipe (Other) | Beam | None | A53 Gr.B | Typical |
| 239 | OTHER.B4 | N660 | N656 | | Antenna Mount Pipe (Other) | Beam | None | A53 Gr.B | Typical |
| 240 | OTHER.C1 | N725 | N721 | | Antenna Mount Pipe (Other) | Beam | None | A53 Gr.B | Typical |
| 241 | OTHER.C2 | N726 | N722 | | Antenna Mount Pipe (Other) | Beam | None | A53 Gr.B | Typical |
| 242 | OTHER.C3 | N727 | N723 | | Antenna Mount Pipe (Other) | Beam | None | A53 Gr.B | Typical |
| 243 | OTHER.C4 | N728 | N724 | | Antenna Mount Pipe (Other) | Beam | None | A53 Gr.B | Typical |
| 244 | OTHER.D1 | N868 | N867 | | Antenna Mount Pipe (Other) | Beam | None | A53 Gr.B | Typical |
| 245 | OTHER.D2 | N881 | N879 | | Antenna Mount Pipe (Other) | Beam | None | A53 Gr.B | Typical |
| 246 | OTHER.D3 | N882 | N880 | | Antenna Mount Pipe (Other) | Beam | None | A53 Gr.B | Typical |
| 247 | RIGID1 | N745 | N747 | | RIGID | None | None | RIGID | Typical |
| 248 | RIGID2 | N120 | N123 | | RIGID | None | None | RIGID | Typical |
| 249 | RIGID3 | N121 | N125 | | RIGID | None | None | RIGID | Typical |
| 250 | RIGID4 | N108 | N112 | | RIGID | None | None | RIGID | Typical |
| 251 | RIGID5 | N759 | N760 | | RIGID | None | None | RIGID | Typical |
| 252 | RIGID6 | N93 | N100 | | RIGID | None | None | RIGID | Typical |
| 253 | RIGID7 | N94 | N101 | | RIGID | None | None | RIGID | Typical |
| 254 | RIGID8 | N778 | N777 | | RIGID | None | None | RIGID | Typical |
| 255 | RIGID9 | N92 | N99 | | RIGID | None | None | RIGID | Typical |
| 256 | RIGID10 | N91 | N98 | | RIGID | None | None | RIGID | Typical |
| 257 | RIGID11 | N136 | N140 | | RIGID | None | None | RIGID | Typical |
| 258 | RIGID12 | N119 | N124 | | RIGID | None | None | RIGID | Typical |
| 259 | RIGID13 | N766 | N763 | | RIGID | None | None | RIGID | Typical |
| 260 | RIGID14 | N752 | N757 | | RIGID | None | None | RIGID | Typical |
| 261 | RIGID15 | N148 | N153 | | RIGID | None | None | RIGID | Typical |
| 262 | RIGID16 | N689 | N690 | | RIGID | None | None | RIGID | Typical |



Company : SGS Towers, Inc.
Designer : Tim Wordekemper
Job Number : 2403524
Model Name : NY10253B (St. Anthony Community H...

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Checked By : _____

Member Primary Data (Continued)

| | Label | I Node | J Node | Rotate(deg) | Section/Shape | Type | Design List | Material | Design Rule |
|-----|---------|--------|--------|-------------|---------------|------|-------------|----------|-------------|
| 263 | RIGID17 | N691 | N692 | | RIGID | None | None | RIGID | Typical |
| 264 | RIGID18 | N185 | N190 | | RIGID | None | None | RIGID | Typical |
| 265 | RIGID19 | N183 | N181 | | RIGID | None | None | RIGID | Typical |
| 266 | RIGID20 | N695 | N696 | | RIGID | None | None | RIGID | Typical |
| 267 | RIGID21 | N699 | N700 | | RIGID | None | None | RIGID | Typical |
| 268 | RIGID22 | N709 | N713 | | RIGID | None | None | RIGID | Typical |
| 269 | RIGID23 | N711 | N715 | | RIGID | None | None | RIGID | Typical |
| 270 | RIGID24 | N712 | N716 | | RIGID | None | None | RIGID | Typical |
| 271 | RIGID25 | N717 | N718 | | RIGID | None | None | RIGID | Typical |
| 272 | RIGID26 | N719 | N720 | | RIGID | None | None | RIGID | Typical |
| 273 | RIGID27 | N165 | N169 | | RIGID | None | None | RIGID | Typical |
| 274 | RIGID28 | N163 | N166 | | RIGID | None | None | RIGID | Typical |
| 275 | RIGID29 | N162 | N167 | | RIGID | None | None | RIGID | Typical |
| 276 | RIGID30 | N164 | N168 | | RIGID | None | None | RIGID | Typical |
| 277 | RIGID31 | N729 | N732 | | RIGID | None | None | RIGID | Typical |
| 278 | RIGID32 | N730 | N733 | | RIGID | None | None | RIGID | Typical |
| 279 | RIGID33 | N731 | N734 | | RIGID | None | None | RIGID | Typical |
| 280 | RIGID34 | N151 | N155 | | RIGID | None | None | RIGID | Typical |
| 281 | RIGID35 | N735 | N736 | | RIGID | None | None | RIGID | Typical |
| 282 | RIGID36 | N737 | N738 | | RIGID | None | None | RIGID | Typical |
| 283 | RIGID37 | N739 | N740 | | RIGID | None | None | RIGID | Typical |
| 284 | RIGID38 | N741 | N742 | | RIGID | None | None | RIGID | Typical |
| 285 | RIGID39 | N149 | N152 | | RIGID | None | None | RIGID | Typical |
| 286 | RIGID40 | N750 | N751 | | RIGID | None | None | RIGID | Typical |
| 287 | RIGID41 | N122 | N126 | | RIGID | None | None | RIGID | Typical |
| 288 | RIGID42 | N407 | N397 | | RIGID | None | None | RIGID | Typical |
| 289 | RIGID43 | N86 | N84 | | RIGID | None | None | RIGID | Typical |
| 290 | RIGID44 | N789 | N792 | | RIGID | None | None | RIGID | Typical |
| 291 | RIGID45 | N842 | N844 | | RIGID | None | None | RIGID | Typical |
| 292 | RIGID46 | N40 | N54 | | RIGID | None | None | RIGID | Typical |
| 293 | RIGID47 | N845 | N846 | | RIGID | None | None | RIGID | Typical |
| 294 | RIGID48 | N47 | N45 | | RIGID | None | None | RIGID | Typical |
| 295 | RIGID49 | N850 | N849 | | RIGID | None | None | RIGID | Typical |
| 296 | RIGID50 | N107 | N111 | | RIGID | None | None | RIGID | Typical |
| 297 | RIGID51 | N23 | N24 | | RIGID | None | None | RIGID | Typical |
| 298 | RIGID52 | N855 | N856 | | RIGID | None | None | RIGID | Typical |
| 299 | RIGID53 | N858 | N857 | | RIGID | None | None | RIGID | Typical |
| 300 | RIGID54 | N310 | N861 | | RIGID | None | None | RIGID | Typical |
| 301 | RIGID55 | N841 | N843 | | RIGID | None | None | RIGID | Typical |
| 302 | RIGID56 | N312 | N862 | | RIGID | None | None | RIGID | Typical |
| 303 | RIGID57 | N334 | N864 | | RIGID | None | None | RIGID | Typical |
| 304 | RIGID58 | N105 | N110 | | RIGID | None | None | RIGID | Typical |
| 305 | RIGID59 | N6 | N9 | | RIGID | None | None | RIGID | Typical |
| 306 | RIGID60 | N865 | N866 | | RIGID | None | None | RIGID | Typical |
| 307 | RIGID61 | N869 | N870 | | RIGID | None | None | RIGID | Typical |
| 308 | RIGID62 | N106 | N109 | | RIGID | None | None | RIGID | Typical |
| 309 | RIGID63 | N871 | N872 | | RIGID | None | None | RIGID | Typical |
| 310 | RIGID64 | N873 | N874 | | RIGID | None | None | RIGID | Typical |
| 311 | RIGID65 | N875 | N876 | | RIGID | None | None | RIGID | Typical |
| 312 | RIGID66 | N877 | N878 | | RIGID | None | None | RIGID | Typical |
| 313 | RIGID67 | N332 | N863 | | RIGID | None | None | RIGID | Typical |
| 314 | RIGID68 | N838 | N840 | | RIGID | None | None | RIGID | Typical |
| 315 | RIGID69 | N837 | N839 | | RIGID | None | None | RIGID | Typical |
| 316 | RIGID70 | N38 | N52 | | RIGID | None | None | RIGID | Typical |
| 317 | RIGID71 | N788 | N793 | | RIGID | None | None | RIGID | Typical |
| 318 | RIGID72 | N790 | N794 | | RIGID | None | None | RIGID | Typical |
| 319 | RIGID73 | N683 | N684 | | RIGID | None | None | RIGID | Typical |
| 320 | RIGID74 | N799 | N800 | | RIGID | None | None | RIGID | Typical |
| 321 | RIGID75 | N137 | N141 | | RIGID | None | None | RIGID | Typical |
| 322 | RIGID76 | N804 | N803 | | RIGID | None | None | RIGID | Typical |
| 323 | RIGID77 | N810 | N809 | | RIGID | None | None | RIGID | Typical |



Company : SGS Towers, Inc.
Designer : Tim Wordekemper
Job Number : 2403524
Model Name : NY10253B (St. Anthony Community H...

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Checked By : _____

Member Primary Data (Continued)

| | Label | I Node | J Node | Rotate(deg) | Section/Shape | Type | Design List | Material | Design Rule |
|-----|----------|--------|--------|-------------|---------------|------|-------------|----------|-------------|
| 324 | RIGID78 | N805 | N806 | | RIGID | None | None | RIGID | Typical |
| 325 | RIGID79 | N75 | N73 | | RIGID | None | None | RIGID | Typical |
| 326 | RIGID80 | N814 | N815 | | RIGID | None | None | RIGID | Typical |
| 327 | RIGID81 | N134 | N139 | | RIGID | None | None | RIGID | Typical |
| 328 | RIGID82 | N135 | N138 | | RIGID | None | None | RIGID | Typical |
| 329 | RIGID83 | N821 | N822 | | RIGID | None | None | RIGID | Typical |
| 330 | RIGID84 | N824 | N825 | | RIGID | None | None | RIGID | Typical |
| 331 | RIGID85 | N64 | N62 | | RIGID | None | None | RIGID | Typical |
| 332 | RIGID86 | N831 | N832 | | RIGID | None | None | RIGID | Typical |
| 333 | RIGID87 | N763 | N769 | | RIGID | None | None | RIGID | Typical |
| 334 | RIGID88 | N777 | N779 | | RIGID | None | None | RIGID | Typical |
| 335 | RIGID89 | N774 | N776 | | RIGID | None | None | RIGID | Typical |
| 336 | RIGID90 | N784 | N786 | | RIGID | None | None | RIGID | Typical |
| 337 | RIGID91 | N833 | N834 | | RIGID | None | None | RIGID | Typical |
| 338 | RIGID92 | N835 | N836 | | RIGID | None | None | RIGID | Typical |
| 339 | RIGID93 | N39 | N53 | | RIGID | None | None | RIGID | Typical |
| 340 | RIGID94 | N787 | N791 | | RIGID | None | None | RIGID | Typical |
| 341 | RIGID95 | N685 | N686 | | RIGID | None | None | RIGID | Typical |
| 342 | RIGID96 | N425 | N423 | | RIGID | None | None | RIGID | Typical |
| 343 | RIGID97 | N187 | N177 | | RIGID | None | None | RIGID | Typical |
| 344 | RIGID98 | N337 | N335 | | RIGID | None | None | RIGID | Typical |
| 345 | RIGID99 | N472 | N475 | | RIGID | None | None | RIGID | Typical |
| 346 | RIGID100 | N473 | N463 | | RIGID | None | None | RIGID | Typical |
| 347 | RIGID101 | N474 | N477 | | RIGID | None | None | RIGID | Typical |
| 348 | RIGID102 | N387 | N548 | | RIGID | None | None | RIGID | Typical |
| 349 | RIGID103 | N375 | N547 | | RIGID | None | None | RIGID | Typical |
| 350 | RIGID104 | N320 | N323 | | RIGID | None | None | RIGID | Typical |
| 351 | RIGID105 | N319 | N309 | | RIGID | None | None | RIGID | Typical |
| 352 | RIGID106 | N318 | N321 | | RIGID | None | None | RIGID | Typical |
| 353 | RIGID107 | N491 | N489 | | RIGID | None | None | RIGID | Typical |
| 354 | RIGID108 | N493 | N498 | | RIGID | None | None | RIGID | Typical |
| 355 | RIGID109 | N339 | N344 | | RIGID | None | None | RIGID | Typical |
| 356 | RIGID110 | N315 | N313 | | RIGID | None | None | RIGID | Typical |
| 357 | RIGID111 | N549 | N550 | | RIGID | None | None | RIGID | Typical |
| 358 | RIGID112 | N495 | N485 | | RIGID | None | None | RIGID | Typical |
| 359 | RIGID113 | N496 | N499 | | RIGID | None | None | RIGID | Typical |
| 360 | RIGID114 | N298 | N301 | | RIGID | None | None | RIGID | Typical |
| 361 | RIGID115 | N297 | N287 | | RIGID | None | None | RIGID | Typical |
| 362 | RIGID116 | N296 | N299 | | RIGID | None | None | RIGID | Typical |
| 363 | RIGID117 | N551 | N552 | | RIGID | None | None | RIGID | Typical |
| 364 | RIGID118 | N293 | N291 | | RIGID | None | None | RIGID | Typical |
| 365 | RIGID119 | N557 | N558 | | RIGID | None | None | RIGID | Typical |
| 366 | RIGID120 | N276 | N279 | | RIGID | None | None | RIGID | Typical |
| 367 | RIGID121 | N275 | N265 | | RIGID | None | None | RIGID | Typical |
| 368 | RIGID122 | N494 | N497 | | RIGID | None | None | RIGID | Typical |
| 369 | RIGID123 | N340 | N343 | | RIGID | None | None | RIGID | Typical |
| 370 | RIGID124 | N469 | N467 | | RIGID | None | None | RIGID | Typical |
| 371 | RIGID125 | N341 | N331 | | RIGID | None | None | RIGID | Typical |
| 372 | RIGID126 | N573 | N577 | | RIGID | None | None | RIGID | Typical |
| 373 | RIGID127 | N406 | N409 | | RIGID | None | None | RIGID | Typical |
| 374 | RIGID128 | N574 | N578 | | RIGID | None | None | RIGID | Typical |
| 375 | RIGID129 | N403 | N401 | | RIGID | None | None | RIGID | Typical |
| 376 | RIGID130 | N427 | N432 | | RIGID | None | None | RIGID | Typical |
| 377 | RIGID131 | N576 | N580 | | RIGID | None | None | RIGID | Typical |
| 378 | RIGID132 | N428 | N431 | | RIGID | None | None | RIGID | Typical |
| 379 | RIGID133 | N575 | N579 | | RIGID | None | None | RIGID | Typical |
| 380 | RIGID134 | N429 | N419 | | RIGID | None | None | RIGID | Typical |
| 381 | RIGID135 | N430 | N433 | | RIGID | None | None | RIGID | Typical |
| 382 | RIGID136 | N386 | N389 | | RIGID | None | None | RIGID | Typical |
| 383 | RIGID137 | N385 | N375 | | RIGID | None | None | RIGID | Typical |
| 384 | RIGID138 | N384 | N387 | | RIGID | None | None | RIGID | Typical |



Company : SGS Towers, Inc.
Designer : Tim Wordekemper
Job Number : 2403524
Model Name : NY10253B (St. Anthony Community H...

3/8/2024
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Checked By : _____

Member Primary Data (Continued)

| | Label | I Node | J Node | Rotate(deg) | Section/Shape | Type | Design List | Material | Design Rule |
|-----|----------|--------|--------|-------------|---------------|------|-------------|----------|-------------|
| 385 | RIGID139 | N381 | N379 | | RIGID | None | None | RIGID | Typical |
| 386 | RIGID140 | N447 | N445 | | RIGID | None | None | RIGID | Typical |
| 387 | RIGID141 | N449 | N454 | | RIGID | None | None | RIGID | Typical |
| 388 | RIGID142 | N364 | N367 | | RIGID | None | None | RIGID | Typical |
| 389 | RIGID143 | N363 | N353 | | RIGID | None | None | RIGID | Typical |
| 390 | RIGID144 | N450 | N453 | | RIGID | None | None | RIGID | Typical |
| 391 | RIGID145 | N362 | N365 | | RIGID | None | None | RIGID | Typical |
| 392 | RIGID146 | N451 | N441 | | RIGID | None | None | RIGID | Typical |
| 393 | RIGID147 | N452 | N455 | | RIGID | None | None | RIGID | Typical |
| 394 | RIGID148 | N361 | N366 | | RIGID | None | None | RIGID | Typical |
| 395 | RIGID149 | N359 | N357 | | RIGID | None | None | RIGID | Typical |
| 396 | RIGID150 | N342 | N345 | | RIGID | None | None | RIGID | Typical |
| 397 | RIGID151 | N274 | N277 | | RIGID | None | None | RIGID | Typical |
| 398 | RIGID152 | N555 | N556 | | RIGID | None | None | RIGID | Typical |
| 399 | RIGID153 | N271 | N269 | | RIGID | None | None | RIGID | Typical |
| 400 | RIGID154 | N252 | N255 | | RIGID | None | None | RIGID | Typical |
| 401 | RIGID155 | N186 | N189 | | RIGID | None | None | RIGID | Typical |
| 402 | RIGID156 | N639 | N641 | | RIGID | None | None | RIGID | Typical |
| 403 | RIGID157 | N704 | N706 | | RIGID | None | None | RIGID | Typical |
| 404 | RIGID158 | N620 | N627 | | RIGID | None | None | RIGID | Typical |
| 405 | RIGID159 | N640 | N642 | | RIGID | None | None | RIGID | Typical |
| 406 | RIGID160 | N630 | N623 | | RIGID | None | None | RIGID | Typical |
| 407 | RIGID161 | N618 | N619 | | RIGID | None | None | RIGID | Typical |
| 408 | RIGID162 | N644 | N615 | | RIGID | None | None | RIGID | Typical |
| 409 | RIGID163 | N625 | N626 | | RIGID | None | None | RIGID | Typical |
| 410 | RIGID164 | N206 | N213 | | RIGID | None | None | RIGID | Typical |
| 411 | RIGID165 | N621 | N629 | | RIGID | None | None | RIGID | Typical |
| 412 | RIGID166 | N652 | N648 | | RIGID | None | None | RIGID | Typical |
| 413 | RIGID167 | N647 | N650 | | RIGID | None | None | RIGID | Typical |
| 414 | RIGID168 | N646 | N651 | | RIGID | None | None | RIGID | Typical |
| 415 | RIGID169 | N710 | N714 | | RIGID | None | None | RIGID | Typical |
| 416 | RIGID170 | N200 | N211 | | RIGID | None | None | RIGID | Typical |
| 417 | RIGID171 | N362 | N545 | | RIGID | None | None | RIGID | Typical |
| 418 | RIGID172 | N205 | N203 | | RIGID | None | None | RIGID | Typical |
| 419 | RIGID173 | N188 | N191 | | RIGID | None | None | RIGID | Typical |
| 420 | RIGID174 | N408 | N411 | | RIGID | None | None | RIGID | Typical |
| 421 | RIGID175 | N677 | N678 | | RIGID | None | None | RIGID | Typical |
| 422 | RIGID176 | N679 | N680 | | RIGID | None | None | RIGID | Typical |
| 423 | RIGID177 | N202 | N199 | | RIGID | None | None | RIGID | Typical |
| 424 | RIGID178 | N636 | N638 | | RIGID | None | None | RIGID | Typical |
| 425 | RIGID179 | N643 | N624 | | RIGID | None | None | RIGID | Typical |
| 426 | RIGID180 | N645 | N649 | | RIGID | None | None | RIGID | Typical |
| 427 | RIGID181 | N249 | N247 | | RIGID | None | None | RIGID | Typical |
| 428 | RIGID182 | N251 | N256 | | RIGID | None | None | RIGID | Typical |
| 429 | RIGID183 | N253 | N243 | | RIGID | None | None | RIGID | Typical |
| 430 | RIGID184 | N254 | N257 | | RIGID | None | None | RIGID | Typical |
| 431 | RIGID185 | N581 | N585 | | RIGID | None | None | RIGID | Typical |
| 432 | RIGID186 | N582 | N586 | | RIGID | None | None | RIGID | Typical |
| 433 | RIGID187 | N583 | N587 | | RIGID | None | None | RIGID | Typical |
| 434 | RIGID188 | N232 | N235 | | RIGID | None | None | RIGID | Typical |
| 435 | RIGID189 | N622 | N628 | | RIGID | None | None | RIGID | Typical |
| 436 | RIGID190 | N584 | N588 | | RIGID | None | None | RIGID | Typical |
| 437 | RIGID191 | N589 | N591 | | RIGID | None | None | RIGID | Typical |
| 438 | RIGID192 | N231 | N221 | | RIGID | None | None | RIGID | Typical |
| 439 | RIGID193 | N593 | N595 | | RIGID | None | None | RIGID | Typical |
| 440 | RIGID194 | N594 | N596 | | RIGID | None | None | RIGID | Typical |
| 441 | RIGID195 | N230 | N233 | | RIGID | None | None | RIGID | Typical |
| 442 | RIGID196 | N229 | N234 | | RIGID | None | None | RIGID | Typical |
| 443 | RIGID197 | N601 | N603 | | RIGID | None | None | RIGID | Typical |
| 444 | RIGID198 | N602 | N604 | | RIGID | None | None | RIGID | Typical |
| 445 | RIGID199 | N605 | N607 | | RIGID | None | None | RIGID | Typical |



Company : SGS Towers, Inc.
Designer : Tim Wordekemper
Job Number : 2403524
Model Name : NY10253B (St. Anthony Community H...

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Member Primary Data (Continued)

| | Label | I Node | J Node | Rotate(deg) | Section/Shape | Type | Design List | Material | Design Rule |
|-----|----------|--------|--------|-------------|--------------------------|------|-------------|----------|-------------|
| 446 | RIGID200 | N363 | N546 | | RIGID | None | None | RIGID | Typical |
| 447 | RIGID201 | N590 | N592 | | RIGID | None | None | RIGID | Typical |
| 448 | RIGID202 | N606 | N608 | | RIGID | None | None | RIGID | Typical |
| 449 | RIGID203 | N635 | N637 | | RIGID | None | None | RIGID | Typical |
| 450 | RIGID204 | N227 | N225 | | RIGID | None | None | RIGID | Typical |
| 451 | TMO.A1 | N554 | N553 | | Antenna Mount Pipe (TMO) | Beam | None | A53 Gr.B | Typical |
| 452 | TMO.A2 | N560 | N559 | | Antenna Mount Pipe (TMO) | Beam | None | A53 Gr.B | Typical |
| 453 | TMO.B1 | N682 | N681 | | Antenna Mount Pipe (TMO) | Beam | None | A53 Gr.B | Typical |
| 454 | TMO.B2 | N688 | N687 | | Antenna Mount Pipe (TMO) | Beam | None | A53 Gr.B | Typical |
| 455 | TMO.B3.1 | N694 | N693 | | Antenna Mount Pipe (TMO) | Beam | None | A53 Gr.B | Typical |
| 456 | TMO.B3.2 | N697 | N698 | 45 | Antenna Mount Pipe (TMO) | Beam | None | A53 Gr.B | Typical |
| 457 | TMO.C1 | N802 | N801 | | Antenna Mount Pipe (TMO) | Beam | None | A53 Gr.B | Typical |
| 458 | TMO.C2 | N808 | N807 | | Antenna Mount Pipe (TMO) | Beam | None | A53 Gr.B | Typical |
| 459 | TMO.D1 | N860 | N859 | | Antenna Mount Pipe (TMO) | Beam | None | A53 Gr.B | Typical |
| 460 | TMO.D2 | N848 | N847 | | Antenna Mount Pipe (TMO) | Beam | None | A53 Gr.B | Typical |
| 461 | TR1 | N673 | N674 | | RIGID | None | None | RIGID | Typical |
| 462 | TR2 | N661 | N663 | | RIGID | None | None | RIGID | Typical |
| 463 | TR3 | N671 | N672 | | RIGID | None | None | RIGID | Typical |
| 464 | TR4 | N662 | N664 | | RIGID | None | None | RIGID | Typical |
| 465 | TR5 | N669 | N670 | | RIGID | None | None | RIGID | Typical |
| 466 | TR6 | N675 | N676 | | RIGID | None | None | RIGID | Typical |

Member Advanced Data

| | Label | I Release | J Release | T/C Only | Physical | Deflection Ratio Options | Seismic DR |
|----|-----------|-----------|-----------|----------|----------|--------------------------|------------|
| 1 | AH1.1 | OOOOOX | OOOOOX | | Yes | Default | None |
| 2 | AH1.2 | | | | Yes | Default | None |
| 3 | AH1.3 | OOOOOX | OOOOOX | | Yes | Default | None |
| 4 | AH1.4 | OOOOXO | OOOOXO | | Yes | Default | None |
| 5 | AH1.5 | OOOOXO | OOOOXO | | Yes | Default | None |
| 6 | AH1.6 | OOOOXO | OOOOXO | | Yes | Default | None |
| 7 | AH1.7 | OOOOXO | OOOOXO | | Yes | Default | None |
| 8 | AH1.8 | | | | Yes | Default | None |
| 9 | AH2.1 | OOOOXO | OOOOXO | | Yes | Default | None |
| 10 | AH2.2 | OOOOOX | OOOOOX | | Yes | Default | None |
| 11 | AH2.3 | OOOOXO | OOOOXO | | Yes | Default | None |
| 12 | AH2.4 | OOOOXO | OOOOXO | | Yes | Default | None |
| 13 | AH2.5 | OOOOXO | OOOOXO | | Yes | Default | None |
| 14 | AH2.6 | OOOOXO | OOOOXO | | Yes | Default | None |
| 15 | AH2.7 | OOOOXO | OOOOXO | | Yes | Default | None |
| 16 | AH2.8 | OOOOXO | OOOOXO | | Yes | Default | None |
| 17 | AH2.9 | OOOOXO | OOOOXO | | Yes | Default | None |
| 18 | AH2.10 | OOOOXO | OOOOXO | | Yes | Default | None |
| 19 | AH2.11 | OOOOXO | OOOOXO | | Yes | Default | None |
| 20 | AH2.12 | OOOOXO | OOOOXO | | Yes | Default | None |
| 21 | FRP.AH1 | | | | Yes | Default | None |
| 22 | FRP.AH2 | | | | Yes | Default | None |
| 23 | FRP.ASO1 | | | | Yes | Default | None |
| 24 | FRP.ASO2 | | | | Yes | Default | None |
| 25 | FRP.ASO3 | | | | Yes | Default | None |
| 26 | FRP.ASO4 | | | | Yes | Default | None |
| 27 | FRP.ASO5 | | | | Yes | Default | None |
| 28 | FRP.ASO6 | | | | Yes | Default | None |
| 29 | FRP.ASO7 | | | | Yes | Default | None |
| 30 | FRP.ASO8 | | | | Yes | Default | None |
| 31 | FRP.ASO9 | | | | Yes | Default | None |
| 32 | FRP.ASO10 | | | | Yes | Default | None |
| 33 | FRP.ASO11 | | | | Yes | Default | None |
| 34 | FRP.ASO12 | | | | Yes | Default | None |
| 35 | FRP.ASO13 | | | | Yes | Default | None |
| 36 | FRP.ASO14 | | | | Yes | Default | None |
| 37 | FRP.ASO15 | | | | Yes | Default | None |



Company : SGS Towers, Inc.
Designer : Tim Wordekemper
Job Number : 2403524
Model Name : NY10253B (St. Anthony Community H...

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Member Advanced Data (Continued)

| | Label | I Release | J Release | T/C Only | Physical | Deflection Ratio Options | Seismic DR |
|----|-----------|-----------|-----------|----------|----------|--------------------------|------------|
| 38 | FRP.ASO16 | | | | Yes | Default | None |
| 39 | FRP.ASO17 | | | | Yes | Default | None |
| 40 | FRP.ASO18 | | | | Yes | Default | None |
| 41 | FRP.ASO19 | | | | Yes | Default | None |
| 42 | FRP.ASO20 | | | | Yes | Default | None |
| 43 | FRP.ASO21 | | | | Yes | Default | None |
| 44 | FRP.ASO22 | | | | Yes | Default | None |
| 45 | FRP.ASO23 | | | | Yes | Default | None |
| 46 | FRP.ASO24 | | | | Yes | Default | None |
| 47 | FRP.ASO25 | | | | Yes | Default | None |
| 48 | FRP.ASO26 | | | | Yes | Default | None |
| 49 | FRP.ASO27 | | | | Yes | Default | None |
| 50 | FRP.ASO28 | | | | Yes | Default | None |
| 51 | FRP.ASO29 | | | | Yes | Default | None |
| 52 | FRP.ASO30 | | | | Yes | Default | None |
| 53 | FRP.ASO31 | | | | Yes | Default | None |
| 54 | FRP.ASO32 | | | | Yes | Default | None |
| 55 | FRP.ASO33 | | | | Yes | Default | None |
| 56 | FRP.ASO34 | | | | Yes | Default | None |
| 57 | FRP.ASO35 | | | | Yes | Default | None |
| 58 | FRP.ASO36 | | | | Yes | Default | None |
| 59 | FRP.ASO37 | | | | Yes | Default | None |
| 60 | FRP.ASO38 | | | | Yes | Default | None |
| 61 | FRP.ASO39 | | | | Yes | Default | None |
| 62 | FRP.ASO40 | | | | Yes | Default | None |
| 63 | FRP.ASO41 | | | | Yes | Default | None |
| 64 | FRP.ASO42 | | | | Yes | Default | None |
| 65 | FRP.ASO43 | | | | Yes | Default | None |
| 66 | FRP.ASO44 | | | | Yes | Default | None |
| 67 | FRP.ASO45 | | | | Yes | Default | None |
| 68 | FRP.ASO46 | | | | Yes | Default | None |
| 69 | FRP.ASO47 | | | | Yes | Default | None |
| 70 | FRP.ASO48 | | | | Yes | Default | None |
| 71 | FRP.ASO49 | | | | Yes | Default | None |
| 72 | FRP.ASO50 | | | | Yes | Default | None |
| 73 | FRP.ASO51 | | | | Yes | Default | None |
| 74 | FRP.ASO52 | | | | Yes | Default | None |
| 75 | FRP.ASO53 | | | | Yes | Default | None |
| 76 | FRP.ASO54 | | | | Yes | Default | None |
| 77 | FRP.ASO55 | | | | Yes | Default | None |
| 78 | FRP.ASO56 | | | | Yes | Default | None |
| 79 | FRP.ASO57 | | | | Yes | Default | None |
| 80 | FRP.ASO58 | | | | Yes | Default | None |
| 81 | FRP.ASO59 | | | | Yes | Default | None |
| 82 | FRP.ASO60 | | | | Yes | Default | None |
| 83 | FRP.ASO61 | | | | Yes | Default | None |
| 84 | FRP.ASO62 | | | | Yes | Default | None |
| 85 | FRP.ASO63 | | | | Yes | Default | None |
| 86 | FRP.ASO64 | | | | Yes | Default | None |
| 87 | FRP.ASO65 | | | | Yes | Default | None |
| 88 | FRP.ASO66 | | | | Yes | Default | None |
| 89 | FRP.ASO67 | | | | Yes | Default | None |
| 90 | FRP.ASO68 | | | | Yes | Default | None |
| 91 | FRP.ASO69 | | | | Yes | Default | None |
| 92 | FRP.ASO70 | | | | Yes | Default | None |
| 93 | FRP.ASO71 | | | | Yes | Default | None |
| 94 | FRP.ASO72 | | | | Yes | Default | None |
| 95 | FRP.ASO73 | | | | Yes | Default | None |
| 96 | FRP.ASO74 | | | | Yes | Default | None |
| 97 | FRP.ASO75 | | | | Yes | Default | None |
| 98 | FRP.ASO76 | | | | Yes | Default | None |



Company : SGS Towers, Inc.
Designer : Tim Wordekemper
Job Number : 2403524
Model Name : NY10253B (St. Anthony Community H...

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Member Advanced Data (Continued)

| | Label | I Release | J Release | T/C Only | Physical | Deflection Ratio Options | Seismic DR |
|-----|------------|-----------|-----------|----------|----------|--------------------------|------------|
| 99 | FRP.ASO77 | | | | Yes | Default | None |
| 100 | FRP.ASO78 | | | | Yes | Default | None |
| 101 | FRP.ASO79 | | | | Yes | Default | None |
| 102 | FRP.ASO80 | | | | Yes | Default | None |
| 103 | FRP.ASO81 | | | | Yes | Default | None |
| 104 | FRP.ASO82 | | | | Yes | Default | None |
| 105 | FRP.ASO83 | | | | Yes | Default | None |
| 106 | FRP.ASO84 | | | | Yes | Default | None |
| 107 | FRP.ASO85 | | | | Yes | Default | None |
| 108 | FRP.ASO86 | | | | Yes | Default | None |
| 109 | FRP.ASO87 | | | | Yes | Default | None |
| 110 | FRP.ASO88 | | | | Yes | Default | None |
| 111 | FRP.ASO89 | | | | Yes | Default | None |
| 112 | FRP.ASO90 | | | | Yes | Default | None |
| 113 | FRP.ASO91 | | | | Yes | Default | None |
| 114 | FRP.ASO92 | | | | Yes | Default | None |
| 115 | FRP.ASO93 | | | | Yes | Default | None |
| 116 | FRP.ASO94 | | | | Yes | Default | None |
| 117 | FRP.ASO95 | | | | Yes | Default | None |
| 118 | FRP.ASO96 | | | | Yes | Default | None |
| 119 | FRP.ASO97 | | | | Yes | Default | None |
| 120 | FRP.ASO98 | | | | Yes | Default | None |
| 121 | FRP.ASO99 | | | | Yes | Default | None |
| 122 | FRP.ASO100 | | | | Yes | Default | None |
| 123 | FRP.ASO101 | | | | Yes | Default | None |
| 124 | FRP.ASO102 | | | | Yes | Default | None |
| 125 | FRP.ASO103 | | | | Yes | Default | None |
| 126 | FRP.ASO104 | | | | Yes | Default | None |
| 127 | FRP.ASO105 | | | | Yes | Default | None |
| 128 | FRP.ASO106 | | | | Yes | Default | None |
| 129 | FRP.ASO107 | | | | Yes | Default | None |
| 130 | FRP.ASO108 | | | | Yes | Default | None |
| 131 | FRP.ASO109 | | | | Yes | Default | None |
| 132 | FRP.ASO110 | | | | Yes | Default | None |
| 133 | FRP.ASO111 | | | | Yes | Default | None |
| 134 | FRP.ASO112 | | | | Yes | Default | None |
| 135 | FRP.ASO113 | | | | Yes | Default | None |
| 136 | FRP.ASO114 | | | | Yes | Default | None |
| 137 | FRP.ASO115 | | | | Yes | Default | None |
| 138 | FRP.ASO116 | | | | Yes | Default | None |
| 139 | FRP.ASO117 | | | | Yes | Default | None |
| 140 | FRP.ASO118 | | | | Yes | Default | None |
| 141 | FRP.ASO119 | | | | Yes | Default | None |
| 142 | FRP.ASO120 | | | | Yes | Default | None |
| 143 | FRP.B1 | | | | Yes | Default | None |
| 144 | FRP.B2 | | | | Yes | Default | None |
| 145 | FRP.B3 | | | | Yes | Default | None |
| 146 | FRP.B4 | | | | Yes | Default | None |
| 147 | FRP.B5 | | | | Yes | Default | None |
| 148 | FRP.B6 | | | | Yes | Default | None |
| 149 | FRP.B7 | | | | Yes | Default | None |
| 150 | FRP.B8 | | | | Yes | Default | None |
| 151 | FRP.B9 | | | | Yes | Default | None |
| 152 | FRP.B10 | | | | Yes | Default | None |
| 153 | FRP.B11 | | | | Yes | Default | None |
| 154 | FRP.B12 | | | | Yes | Default | None |
| 155 | FRP.B13 | | | | Yes | Default | None |
| 156 | FRP.B14 | | BenPIN | | Yes | Default | None |
| 157 | FRP.B15 | | | | Yes | Default | None |
| 158 | FRP.B16 | | | | Yes | Default | None |
| 159 | FRP.B17 | | | | Yes | Default | None |



Company : SGS Towers, Inc.
Designer : Tim Wordekemper
Job Number : 2403524
Model Name : NY10253B (St. Anthony Community H...

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Checked By : _____

Member Advanced Data (Continued)

| | Label | I Release | J Release | T/C Only | Physical | Deflection Ratio Options | Seismic DR |
|-----|---------------|-----------|-----------|----------|----------|--------------------------|------------|
| 160 | FRP.B18 | | | | Yes | Default | None |
| 161 | FRP.B19 | | | | Yes | Default | None |
| 162 | FRP.B20 | | | | Yes | Default | None |
| 163 | FRP.B21 | | | | Yes | Default | None |
| 164 | FRP.C1 | | | | Yes | Default | None |
| 165 | FRP.C2 | | | | Yes | Default | None |
| 166 | FRP.C3 | | | | Yes | Default | None |
| 167 | FRP.C4 | | | | Yes | Default | None |
| 168 | FRP.C5 | | | | Yes | Default | None |
| 169 | FRP.C6 | | | | Yes | Default | None |
| 170 | FRP.C7 | | | | Yes | Default | None |
| 171 | FRP.C8 | | | | Yes | Default | None |
| 172 | FRP.C9 | | | | Yes | Default | None |
| 173 | FRP.C10 | | | | Yes | Default | None |
| 174 | FRP.C11 | | | | Yes | Default | None |
| 175 | FRP.C12 | | | | Yes | Default | None |
| 176 | FRP.C13 | | | | Yes | Default | None |
| 177 | FRP.C14 | | | | Yes | Default | None |
| 178 | FRP.C15 | | | | Yes | Default | None |
| 179 | FRP.C16 | | | | Yes | Default | None |
| 180 | FRP.C17 | | | | Yes | Default | None |
| 181 | FRP.C18 | | | | Yes | Default | None |
| 182 | FRP.C19 | | | | Yes | Default | None |
| 183 | FRP.C20 | | | | Yes | Default | None |
| 184 | FRP.C21 | | | | Yes | Default | None |
| 185 | FRP.C22 | | | | Yes | Default | None |
| 186 | FRP.C23 | | | | Yes | Default | None |
| 187 | FRP.C24 | | | | Yes | Default | None |
| 188 | FRP.PANEL1.L1 | | | | Yes | Default | None |
| 189 | FRP.PANEL1.L2 | | | | Yes | Default | None |
| 190 | FRP.PANEL1.S1 | | | | Yes | Default | None |
| 191 | FRP.PANEL1.S2 | | | | Yes | Default | None |
| 192 | FRP.PANEL2.L1 | | | | Yes | Default | None |
| 193 | FRP.PANEL2.L2 | | | | Yes | Default | None |
| 194 | FRP.PANEL2.S1 | | | | Yes | Default | None |
| 195 | FRP.PANEL2.S2 | | | | Yes | Default | None |
| 196 | FRP.PANEL3.S1 | | | | Yes | Default | None |
| 197 | FRP.PANEL3.S2 | | | | Yes | Default | None |
| 198 | FRP.PANEL3.S3 | | | | Yes | Default | None |
| 199 | FRP.PANEL3.S4 | | | | Yes | Default | None |
| 200 | FRP.PANEL3.S5 | | | | Yes | Default | None |
| 201 | FRP.PANEL3.S6 | | | | Yes | Default | None |
| 202 | FRP.PANEL4.L1 | | | | Yes | Default | None |
| 203 | FRP.PANEL4.L2 | | | | Yes | Default | None |
| 204 | FRP.PANEL4.S1 | | | | Yes | Default | None |
| 205 | FRP.PANEL4.S2 | | | | Yes | Default | None |
| 206 | FRP.PANEL5.L1 | | | | Yes | Default | None |
| 207 | FRP.PANEL5.L2 | | | | Yes | Default | None |
| 208 | FRP.PANEL5.S1 | | | | Yes | Default | None |
| 209 | FRP.PANEL5.S2 | | | | Yes | Default | None |
| 210 | FRP.PANEL6.L1 | | | | Yes | Default | None |
| 211 | FRP.PANEL6.L2 | | | | Yes | Default | None |
| 212 | FRP.PANEL6.S1 | | | | Yes | Default | None |
| 213 | FRP.PANEL7.L1 | | | | Yes | Default | None |
| 214 | FRP.PANEL7.L2 | | | | Yes | Default | None |
| 215 | FRP.PANEL7.S1 | | | | Yes | Default | None |
| 216 | FRP.PANEL8.L1 | | | | Yes | Default | None |
| 217 | FRP.PANEL8.L2 | | | | Yes | Default | None |
| 218 | FRP.PANEL9.L1 | | | | Yes | Default | None |
| 219 | FRP.PANEL9.L2 | | | | Yes | Default | None |
| 220 | FRP.PL1 | OOOOOX | OOOOOX | | Yes | Default | None |



Company : SGS Towers, Inc.
Designer : Tim Wordekemper
Job Number : 2403524
Model Name : NY10253B (St. Anthony Community H...

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Checked By : _____

Member Advanced Data (Continued)

| | Label | I Release | J Release | T/C Only | Physical | Deflection Ratio Options | Seismic DR |
|-----|----------|-----------|-----------|------------------|----------|--------------------------|------------|
| 221 | FRP.PL2 | OOOOOX | OOOOOX | | Yes | Default | None |
| 222 | FRP.PL3 | OOOOOX | OOOOOX | | Yes | Default | None |
| 223 | FRP.PL4 | OOOOOX | OOOOOX | | Yes | Default | None |
| 224 | FRP.PL5 | OOOOOX | OOOOOX | | Yes | Default | None |
| 225 | FRP.PL6 | OOOOOX | OOOOOX | | Yes | Default | None |
| 226 | FRP.PL7 | OOOOOX | OOOOOX | | Yes | Default | None |
| 227 | FRP.PL8 | OOOOOX | OOOOOX | | Yes | Default | None |
| 228 | FRP.PL9 | OOOOOX | OOOOOX | | Yes | Default | None |
| 229 | FRP.PL10 | OOOOOX | OOOOOX | | Yes | Default | None |
| 230 | FRP.PL11 | OOOOOX | OOOOOX | | Yes | Default | None |
| 231 | FRP.PL12 | OOOOOX | OOOOOX | | Yes | Default | None |
| 232 | OTHER.A1 | | | | Yes | Default | None |
| 233 | OTHER.A2 | | | | Yes | Default | None |
| 234 | OTHER.A3 | | | | Yes | Default | None |
| 235 | OTHER.A4 | | | | Yes | Default | None |
| 236 | OTHER.B1 | | | | Yes | Default | None |
| 237 | OTHER.B2 | | | | Yes | Default | None |
| 238 | OTHER.B3 | | | | Yes | Default | None |
| 239 | OTHER.B4 | | | | Yes | Default | None |
| 240 | OTHER.C1 | | | | Yes | Default | None |
| 241 | OTHER.C2 | | | | Yes | Default | None |
| 242 | OTHER.C3 | | | | Yes | Default | None |
| 243 | OTHER.C4 | | | | Yes | Default | None |
| 244 | OTHER.D1 | | | | Yes | Default | None |
| 245 | OTHER.D2 | | | | Yes | Default | None |
| 246 | OTHER.D3 | | | | Yes | Default | None |
| 247 | RIGID1 | | | | Yes | ** NA ** | None |
| 248 | RIGID2 | | | | Yes | ** NA ** | None |
| 249 | RIGID3 | | | | Yes | ** NA ** | None |
| 250 | RIGID4 | | | | Yes | ** NA ** | None |
| 251 | RIGID5 | | | | Yes | ** NA ** | None |
| 252 | RIGID6 | | | | Yes | ** NA ** | None |
| 253 | RIGID7 | | | | Yes | ** NA ** | None |
| 254 | RIGID8 | | | | Yes | ** NA ** | None |
| 255 | RIGID9 | | | | Yes | ** NA ** | None |
| 256 | RIGID10 | | | | Yes | ** NA ** | None |
| 257 | RIGID11 | | | | Yes | ** NA ** | None |
| 258 | RIGID12 | | | | Yes | ** NA ** | None |
| 259 | RIGID13 | | | | Yes | ** NA ** | None |
| 260 | RIGID14 | | | | Yes | ** NA ** | None |
| 261 | RIGID15 | | | | Yes | ** NA ** | None |
| 262 | RIGID16 | | OOOXOO | | Yes | ** NA ** | None |
| 263 | RIGID17 | | OOOXOO | | Yes | ** NA ** | None |
| 264 | RIGID18 | | | | Yes | ** NA ** | None |
| 265 | RIGID19 | | | | Yes | ** NA ** | None |
| 266 | RIGID20 | | | | Yes | ** NA ** | None |
| 267 | RIGID21 | | | | Yes | ** NA ** | None |
| 268 | RIGID22 | | | | Yes | ** NA ** | None |
| 269 | RIGID23 | BenPIN | AIIPIN | Compression Only | Yes | ** NA ** | None |
| 270 | RIGID24 | | | | Yes | ** NA ** | None |
| 271 | RIGID25 | | OOOXOO | | Yes | ** NA ** | None |
| 272 | RIGID26 | | OOOXOO | | Yes | ** NA ** | None |
| 273 | RIGID27 | | | | Yes | ** NA ** | None |
| 274 | RIGID28 | | | | Yes | ** NA ** | None |
| 275 | RIGID29 | | | | Yes | ** NA ** | None |
| 276 | RIGID30 | | | | Yes | ** NA ** | None |
| 277 | RIGID31 | | | | Yes | ** NA ** | None |
| 278 | RIGID32 | BenPIN | AIIPIN | Compression Only | Yes | ** NA ** | None |
| 279 | RIGID33 | | | | Yes | ** NA ** | None |
| 280 | RIGID34 | | | | Yes | ** NA ** | None |
| 281 | RIGID35 | | OOOXOO | | Yes | ** NA ** | None |



Company : SGS Towers, Inc.
Designer : Tim Wordekemper
Job Number : 2403524
Model Name : NY10253B (St. Anthony Community H...

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Member Advanced Data (Continued)

| | Label | I Release | J Release | T/C Only | Physical | Deflection Ratio Options | Seismic DR |
|-----|---------|-----------|-----------|----------|----------|--------------------------|------------|
| 282 | RIGID36 | | OOOXOO | | Yes | ** NA ** | None |
| 283 | RIGID37 | | OOOXOO | | Yes | ** NA ** | None |
| 284 | RIGID38 | | OOOXOO | | Yes | ** NA ** | None |
| 285 | RIGID39 | | | | Yes | ** NA ** | None |
| 286 | RIGID40 | | | | Yes | ** NA ** | None |
| 287 | RIGID41 | | | | Yes | ** NA ** | None |
| 288 | RIGID42 | | | | Yes | ** NA ** | None |
| 289 | RIGID43 | | | | Yes | ** NA ** | None |
| 290 | RIGID44 | | | | Yes | ** NA ** | None |
| 291 | RIGID45 | | | | Yes | ** NA ** | None |
| 292 | RIGID46 | | | | Yes | ** NA ** | None |
| 293 | RIGID47 | | OOOXOO | | Yes | ** NA ** | None |
| 294 | RIGID48 | | | | Yes | ** NA ** | None |
| 295 | RIGID49 | | OOOXOO | | Yes | ** NA ** | None |
| 296 | RIGID50 | | | | Yes | ** NA ** | None |
| 297 | RIGID51 | | | | Yes | ** NA ** | None |
| 298 | RIGID52 | | OOOXOO | | Yes | ** NA ** | None |
| 299 | RIGID53 | | OOOXOO | | Yes | ** NA ** | None |
| 300 | RIGID54 | | | | Yes | ** NA ** | None |
| 301 | RIGID55 | | | | Yes | ** NA ** | None |
| 302 | RIGID56 | | | | Yes | ** NA ** | None |
| 303 | RIGID57 | | | | Yes | ** NA ** | None |
| 304 | RIGID58 | | | | Yes | ** NA ** | None |
| 305 | RIGID59 | | | | Yes | ** NA ** | None |
| 306 | RIGID60 | | OOOXOO | | Yes | ** NA ** | None |
| 307 | RIGID61 | | OOOXOO | | Yes | ** NA ** | None |
| 308 | RIGID62 | | | | Yes | ** NA ** | None |
| 309 | RIGID63 | | OOOXOO | | Yes | ** NA ** | None |
| 310 | RIGID64 | | OOOXOO | | Yes | ** NA ** | None |
| 311 | RIGID65 | | OOOXOO | | Yes | ** NA ** | None |
| 312 | RIGID66 | | OOOXOO | | Yes | ** NA ** | None |
| 313 | RIGID67 | | | | Yes | ** NA ** | None |
| 314 | RIGID68 | | | | Yes | ** NA ** | None |
| 315 | RIGID69 | | | | Yes | ** NA ** | None |
| 316 | RIGID70 | | | | Yes | ** NA ** | None |
| 317 | RIGID71 | | | | Yes | ** NA ** | None |
| 318 | RIGID72 | | | | Yes | ** NA ** | None |
| 319 | RIGID73 | | OOOXOO | | Yes | ** NA ** | None |
| 320 | RIGID74 | | OOOXOO | | Yes | ** NA ** | None |
| 321 | RIGID75 | | | | Yes | ** NA ** | None |
| 322 | RIGID76 | | OOOXOO | | Yes | ** NA ** | None |
| 323 | RIGID77 | | OOOXOO | | Yes | ** NA ** | None |
| 324 | RIGID78 | | OOOXOO | | Yes | ** NA ** | None |
| 325 | RIGID79 | | | | Yes | ** NA ** | None |
| 326 | RIGID80 | | | | Yes | ** NA ** | None |
| 327 | RIGID81 | | | | Yes | ** NA ** | None |
| 328 | RIGID82 | | | | Yes | ** NA ** | None |
| 329 | RIGID83 | | | | Yes | ** NA ** | None |
| 330 | RIGID84 | | | | Yes | ** NA ** | None |
| 331 | RIGID85 | | | | Yes | ** NA ** | None |
| 332 | RIGID86 | | | | Yes | ** NA ** | None |
| 333 | RIGID87 | | | | Yes | ** NA ** | None |
| 334 | RIGID88 | | | | Yes | ** NA ** | None |
| 335 | RIGID89 | | | | Yes | ** NA ** | None |
| 336 | RIGID90 | | | | Yes | ** NA ** | None |
| 337 | RIGID91 | | | | Yes | ** NA ** | None |
| 338 | RIGID92 | | | | Yes | ** NA ** | None |
| 339 | RIGID93 | | | | Yes | ** NA ** | None |
| 340 | RIGID94 | | | | Yes | ** NA ** | None |
| 341 | RIGID95 | | OOOXOO | | Yes | ** NA ** | None |
| 342 | RIGID96 | | | | Yes | ** NA ** | None |



Company : SGS Towers, Inc.
Designer : Tim Wordekemper
Job Number : 2403524
Model Name : NY10253B (St. Anthony Community H...

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Member Advanced Data (Continued)

| | Label | I Release | J Release | T/C Only | Physical | Deflection Ratio Options | Seismic DR |
|-----|----------|-----------|-----------|----------|----------|--------------------------|------------|
| 343 | RIGID97 | | | | Yes | ** NA ** | None |
| 344 | RIGID98 | | | | Yes | ** NA ** | None |
| 345 | RIGID99 | | | | Yes | ** NA ** | None |
| 346 | RIGID100 | | | | Yes | ** NA ** | None |
| 347 | RIGID101 | | | | Yes | ** NA ** | None |
| 348 | RIGID102 | | | | Yes | ** NA ** | None |
| 349 | RIGID103 | | | | Yes | ** NA ** | None |
| 350 | RIGID104 | | | | Yes | ** NA ** | None |
| 351 | RIGID105 | | | | Yes | ** NA ** | None |
| 352 | RIGID106 | | | | Yes | ** NA ** | None |
| 353 | RIGID107 | | | | Yes | ** NA ** | None |
| 354 | RIGID108 | | | | Yes | ** NA ** | None |
| 355 | RIGID109 | | | | Yes | ** NA ** | None |
| 356 | RIGID110 | | | | Yes | ** NA ** | None |
| 357 | RIGID111 | | OOOXOO | | Yes | ** NA ** | None |
| 358 | RIGID112 | | | | Yes | ** NA ** | None |
| 359 | RIGID113 | | | | Yes | ** NA ** | None |
| 360 | RIGID114 | | | | Yes | ** NA ** | None |
| 361 | RIGID115 | | | | Yes | ** NA ** | None |
| 362 | RIGID116 | | | | Yes | ** NA ** | None |
| 363 | RIGID117 | | OOOXOO | | Yes | ** NA ** | None |
| 364 | RIGID118 | | | | Yes | ** NA ** | None |
| 365 | RIGID119 | | OOOXOO | | Yes | ** NA ** | None |
| 366 | RIGID120 | | | | Yes | ** NA ** | None |
| 367 | RIGID121 | | | | Yes | ** NA ** | None |
| 368 | RIGID122 | | | | Yes | ** NA ** | None |
| 369 | RIGID123 | | | | Yes | ** NA ** | None |
| 370 | RIGID124 | | | | Yes | ** NA ** | None |
| 371 | RIGID125 | | | | Yes | ** NA ** | None |
| 372 | RIGID126 | | | | Yes | ** NA ** | None |
| 373 | RIGID127 | | | | Yes | ** NA ** | None |
| 374 | RIGID128 | | | | Yes | ** NA ** | None |
| 375 | RIGID129 | | | | Yes | ** NA ** | None |
| 376 | RIGID130 | | | | Yes | ** NA ** | None |
| 377 | RIGID131 | | | | Yes | ** NA ** | None |
| 378 | RIGID132 | | | | Yes | ** NA ** | None |
| 379 | RIGID133 | | | | Yes | ** NA ** | None |
| 380 | RIGID134 | | | | Yes | ** NA ** | None |
| 381 | RIGID135 | | | | Yes | ** NA ** | None |
| 382 | RIGID136 | | | | Yes | ** NA ** | None |
| 383 | RIGID137 | | | | Yes | ** NA ** | None |
| 384 | RIGID138 | | | | Yes | ** NA ** | None |
| 385 | RIGID139 | | | | Yes | ** NA ** | None |
| 386 | RIGID140 | | | | Yes | ** NA ** | None |
| 387 | RIGID141 | | | | Yes | ** NA ** | None |
| 388 | RIGID142 | | | | Yes | ** NA ** | None |
| 389 | RIGID143 | | | | Yes | ** NA ** | None |
| 390 | RIGID144 | | | | Yes | ** NA ** | None |
| 391 | RIGID145 | | | | Yes | ** NA ** | None |
| 392 | RIGID146 | | | | Yes | ** NA ** | None |
| 393 | RIGID147 | | | | Yes | ** NA ** | None |
| 394 | RIGID148 | | | | Yes | ** NA ** | None |
| 395 | RIGID149 | | | | Yes | ** NA ** | None |
| 396 | RIGID150 | | | | Yes | ** NA ** | None |
| 397 | RIGID151 | | | | Yes | ** NA ** | None |
| 398 | RIGID152 | | OOOXOO | | Yes | ** NA ** | None |
| 399 | RIGID153 | | | | Yes | ** NA ** | None |
| 400 | RIGID154 | | | | Yes | ** NA ** | None |
| 401 | RIGID155 | | | | Yes | ** NA ** | None |
| 402 | RIGID156 | | OOOXOO | | Yes | ** NA ** | None |
| 403 | RIGID157 | | OOOXOO | | Yes | ** NA ** | None |



Company : SGS Towers, Inc.
Designer : Tim Wordekemper
Job Number : 2403524
Model Name : NY10253B (St. Anthony Community H...

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Member Advanced Data (Continued)

| | Label | I Release | J Release | T/C Only | Physical | Deflection Ratio Options | Seismic DR |
|-----|----------|-----------|-----------|----------|----------|--------------------------|------------|
| 404 | RIGID158 | | | | Yes | ** NA ** | None |
| 405 | RIGID159 | | OOOXOO | | Yes | ** NA ** | None |
| 406 | RIGID160 | | | | Yes | ** NA ** | None |
| 407 | RIGID161 | | | | Yes | ** NA ** | None |
| 408 | RIGID162 | | | | Yes | ** NA ** | None |
| 409 | RIGID163 | | | | Yes | ** NA ** | None |
| 410 | RIGID164 | | | | Yes | ** NA ** | None |
| 411 | RIGID165 | | OOOXOO | | Yes | ** NA ** | None |
| 412 | RIGID166 | | | | Yes | ** NA ** | None |
| 413 | RIGID167 | | OOOXOO | | Yes | ** NA ** | None |
| 414 | RIGID168 | | OOOXOO | | Yes | ** NA ** | None |
| 415 | RIGID169 | | OOOXOO | | Yes | ** NA ** | None |
| 416 | RIGID170 | | | | Yes | ** NA ** | None |
| 417 | RIGID171 | | | | Yes | ** NA ** | None |
| 418 | RIGID172 | | | | Yes | ** NA ** | None |
| 419 | RIGID173 | | | | Yes | ** NA ** | None |
| 420 | RIGID174 | | | | Yes | ** NA ** | None |
| 421 | RIGID175 | | OOOXOO | | Yes | ** NA ** | None |
| 422 | RIGID176 | | OOOXOO | | Yes | ** NA ** | None |
| 423 | RIGID177 | | | | Yes | ** NA ** | None |
| 424 | RIGID178 | | OOOXOO | | Yes | ** NA ** | None |
| 425 | RIGID179 | | | | Yes | ** NA ** | None |
| 426 | RIGID180 | | | | Yes | ** NA ** | None |
| 427 | RIGID181 | | | | Yes | ** NA ** | None |
| 428 | RIGID182 | | | | Yes | ** NA ** | None |
| 429 | RIGID183 | | | | Yes | ** NA ** | None |
| 430 | RIGID184 | | | | Yes | ** NA ** | None |
| 431 | RIGID185 | | | | Yes | ** NA ** | None |
| 432 | RIGID186 | | | | Yes | ** NA ** | None |
| 433 | RIGID187 | | | | Yes | ** NA ** | None |
| 434 | RIGID188 | | | | Yes | ** NA ** | None |
| 435 | RIGID189 | | OOOXOO | | Yes | ** NA ** | None |
| 436 | RIGID190 | | | | Yes | ** NA ** | None |
| 437 | RIGID191 | | OOOXOO | | Yes | ** NA ** | None |
| 438 | RIGID192 | | | | Yes | ** NA ** | None |
| 439 | RIGID193 | | OOOXOO | | Yes | ** NA ** | None |
| 440 | RIGID194 | | OOOXOO | | Yes | ** NA ** | None |
| 441 | RIGID195 | | | | Yes | ** NA ** | None |
| 442 | RIGID196 | | | | Yes | ** NA ** | None |
| 443 | RIGID197 | | OOOXOO | | Yes | ** NA ** | None |
| 444 | RIGID198 | | OOOXOO | | Yes | ** NA ** | None |
| 445 | RIGID199 | | OOOXOO | | Yes | ** NA ** | None |
| 446 | RIGID200 | | | | Yes | ** NA ** | None |
| 447 | RIGID201 | | OOOXOO | | Yes | ** NA ** | None |
| 448 | RIGID202 | | OOOXOO | | Yes | ** NA ** | None |
| 449 | RIGID203 | | OOOXOO | | Yes | ** NA ** | None |
| 450 | RIGID204 | | | | Yes | ** NA ** | None |
| 451 | TMO.A1 | | | | Yes | Default | None |
| 452 | TMO.A2 | | | | Yes | Default | None |
| 453 | TMO.B1 | | | | Yes | Default | None |
| 454 | TMO.B2 | | | | Yes | Default | None |
| 455 | TMO.B3.1 | | | | Yes | Default | None |
| 456 | TMO.B3.2 | | | | Yes | Default | None |
| 457 | TMO.C1 | | | | Yes | Default | None |
| 458 | TMO.C2 | | | | Yes | Default | None |
| 459 | TMO.D1 | | | | Yes | Default | None |
| 460 | TMO.D2 | | | | Yes | Default | None |
| 461 | TR1 | | | | Yes | ** NA ** | None |
| 462 | TR2 | | | | Yes | ** NA ** | None |
| 463 | TR3 | | | | Yes | ** NA ** | None |
| 464 | TR4 | | | | Yes | ** NA ** | None |



Company : SGS Towers, Inc.
 Designer : Tim Wordekemper
 Job Number : 2403524
 Model Name : NY10253B (St. Anthony Community H...

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Member Advanced Data (Continued)

| | Label | I Release | J Release | T/C Only | Physical | Deflection Ratio Options | Seismic DR |
|-----|-------|-----------|-----------|----------|----------|--------------------------|------------|
| 465 | TR5 | | | | Yes | ** NA ** | None |
| 466 | TR6 | | | | Yes | ** NA ** | None |

Hot Rolled Steel Properties

| | Label | E [ksi] | G [ksi] | Nu | Therm. Coeff. [1e ⁻⁶ F ⁻¹] | Density [lb/ft ³] | Yield [ksi] | Ry | Fu [ksi] | Rt |
|----|----------------|---------|---------|------|---|-------------------------------|-------------|------|----------|------|
| 1 | A992 | 29000 | 11154 | 0.3 | 0.65 | 490 | 50 | 1.1 | 65 | 1.1 |
| 2 | A36 Gr.36 | 29000 | 11154 | 0.3 | 0.65 | 490 | 36 | 1.5 | 58 | 1.2 |
| 3 | A572 Gr.50 | 29000 | 11154 | 0.3 | 0.65 | 490 | 50 | 1.1 | 65 | 1.1 |
| 4 | A500 Gr.B RND | 29000 | 11154 | 0.3 | 0.65 | 527 | 42 | 1.4 | 58 | 1.3 |
| 5 | A500 Gr.B Rect | 29000 | 11154 | 0.3 | 0.65 | 527 | 46 | 1.4 | 58 | 1.3 |
| 6 | A53 Gr.B | 29000 | 11154 | 0.3 | 0.65 | 490 | 35 | 1.6 | 60 | 1.2 |
| 7 | A1085 | 29000 | 11154 | 0.3 | 0.65 | 490 | 50 | 1.25 | 65 | 1.15 |
| 8 | A913 Gr.65 | 29000 | 11154 | 0.3 | 0.65 | 490 | 65 | 1.1 | 80 | 1.1 |
| 9 | Q235 | 29000 | 11154 | 0.3 | 0.65 | 490 | 35 | 1.5 | 58 | 1.2 |
| 10 | A529 Gr.50 | 29000 | 11154 | 0.3 | 0.65 | 490 | 50 | 1.1 | 65 | 1.1 |
| 11 | A500 Gr.C | 29000 | 11154 | 0.3 | 0.65 | 490 | 46 | 1.6 | 60 | 1.2 |
| 12 | HR FRP 500/525 | 2600 | 425 | 0.33 | 0.7 | 107.1 | 46 | 1.6 | 60 | 1.2 |
| 13 | HR FRP 625 | 2800 | 425 | 0.33 | 0.7 | 107.1 | 46 | 1.6 | 60 | 1.2 |

General Materials Properties

| | Label | E [ksi] | G [ksi] | Nu | Therm. Coeff. [1e ⁻⁶ F ⁻¹] | Density [lb/ft ³] | Plate Methodology |
|---|-------------|---------|---------|------|---|-------------------------------|-------------------|
| 1 | gen Conc3NW | 3155 | 1372 | 0.15 | 0.6 | 145 | Isotropic |
| 2 | gen Conc4NW | 3644 | 1584 | 0.15 | 0.6 | 145 | Isotropic |
| 3 | gen Conc3LW | 2085 | 906 | 0.15 | 0.6 | 110 | Isotropic |
| 4 | gen Conc4LW | 2408 | 1047 | 0.15 | 0.6 | 110 | Isotropic |
| 5 | gen Alum | 10100 | 4077 | 0.3 | 1.29 | 173 | Isotropic |
| 6 | gen Steel | 29000 | 11154 | 0.3 | 0.65 | 490 | Isotropic |
| 7 | gen Plywood | 1800 | 38 | 0 | 0.3 | 35 | Isotropic |
| 8 | RIGID | 1e+6 | | 0.3 | 0 | 0 | Isotropic |
| 9 | FRP 500/525 | 2600 | 425 | 0.33 | 0.7 | 107.1 | Isotropic |

Hot Rolled Steel Section Sets

| | Label | Shape | Type | Design List | Material | Design Rule | Area [in ²] | Iyy [in ⁴] | Izz [in ⁴] | J [in ⁴] |
|----|----------------------------|--------------------|------|-------------|----------------|-------------|-------------------------|------------------------|------------------------|----------------------|
| 1 | FRP Column HR | HSS4X4X4 | Beam | None | HR FRP 500/525 | Typical | 3.37 | 7.8 | 7.8 | 12.8 |
| 2 | FRP Brace HR | HSS4X4X4 | Beam | None | HR FRP 500/525 | Typical | 3.37 | 7.8 | 7.8 | 12.8 |
| 3 | FRP Angle Horizontal HR | L4X4X6 | Beam | None | HR FRP 500/525 | Typical | 2.86 | 4.32 | 4.32 | 0.141 |
| 4 | FRP Angle Standoff HR | L4X4X6 | Beam | None | HR FRP 500/525 | Typical | 2.86 | 4.32 | 4.32 | 0.141 |
| 5 | FRP Plate HR | 0.375"X4"WIDEPLATE | Beam | None | HR FRP 500/525 | Typical | 1.5 | 0.0176 | 2 | 0.0662 |
| 6 | Angle Horizontal 1 | L4X4X4 | Beam | None | A36 Gr.36 | Typical | 1.93 | 3 | 3 | 0.0438 |
| 7 | Angle Horizontal 2 | L3X3X4 | Beam | None | A36 Gr.36 | Typical | 1.44 | 1.23 | 1.23 | 0.0313 |
| 8 | Antenna Mount Pipe (Other) | PIPE 2.5 | Beam | None | A53 Gr.B | Typical | 1.61 | 1.45 | 1.45 | 2.89 |
| 9 | Antenna Mount Pipe (TMO) | PIPE 2.5 | Beam | None | A53 Gr.B | Typical | 1.61 | 1.45 | 1.45 | 2.89 |
| 10 | Threaded Rod | 0.625"TR | Beam | None | A36 Gr.36 | Typical | 0.226 | 0.0041 | 0.0041 | 0.0081 |

General Section Sets

| | Label | Shape | Type | Material | Area [in ²] | Iyy [in ⁴] | Izz [in ⁴] | J [in ⁴] |
|---|----------------------|------------------------|------|-------------|-------------------------|------------------------|------------------------|----------------------|
| 1 | RIGID | | None | RIGID | 1e+6 | 1e+6 | 1e+6 | 1e+6 |
| 2 | FRP Column | FRP Square Tube 4X0.25 | Beam | FRP 500/525 | 3.7424 | 8.7865 | 8.7865 | 13.7591 |
| 3 | FRP Brace | FRP Square Tube 4X0.25 | Beam | FRP 500/525 | 3.7424 | 8.7865 | 8.7865 | 13.7591 |
| 4 | FRP Angle Standoff | FRP L4X4X0.375 | Beam | FRP 500/525 | 2.7774 | 4.1659 | 4.1659 | 0.1266 |
| 5 | FRP Angle Horizontal | FRP L4X4X0.375 | Beam | FRP 500/525 | 2.7774 | 4.1659 | 4.1659 | 0.1266 |
| 6 | FRP Plate | FRP Plate 4 x 0.375 | Beam | FRP 500/525 | 1.5 | 0.0176 | 2 | 0.0662 |



Company : SGS Towers, Inc.
Designer : Tim Wordekemper
Job Number : 2403524
Model Name : NY10253B (St. Anthony Community H...

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Hot Rolled Steel Design Parameters

| | Label | Shape | Length [in] | Lcomp top [in] | Channel Conn. | a [in] | Function |
|----|----------|----------------------------|-------------|----------------|---------------|--------|----------|
| 1 | AH1.1 | Angle Horizontal 1 | 59.74 | Lbyy | N/A | N/A | Lateral |
| 2 | AH1.2 | Angle Horizontal 1 | 132 | Lbyy | N/A | N/A | Lateral |
| 3 | AH1.3 | Angle Horizontal 1 | 75 | Lbyy | N/A | N/A | Lateral |
| 4 | AH1.4 | Angle Horizontal 1 | 75 | Lbyy | N/A | N/A | Lateral |
| 5 | AH1.5 | Angle Horizontal 1 | 63.24 | Lbyy | N/A | N/A | Lateral |
| 6 | AH1.6 | Angle Horizontal 1 | 63.24 | Lbyy | N/A | N/A | Lateral |
| 7 | AH1.7 | Angle Horizontal 1 | 59.74 | Lbyy | N/A | N/A | Lateral |
| 8 | AH1.8 | Angle Horizontal 1 | 132 | Lbyy | N/A | N/A | Lateral |
| 9 | AH2.1 | Angle Horizontal 2 | 89.24 | Lbyy | N/A | N/A | Lateral |
| 10 | AH2.2 | Angle Horizontal 2 | 22.24 | Lbyy | N/A | N/A | Lateral |
| 11 | AH2.3 | Angle Horizontal 2 | 53.865 | Lbyy | N/A | N/A | Lateral |
| 12 | AH2.4 | Angle Horizontal 2 | 55.74 | Lbyy | N/A | N/A | Lateral |
| 13 | AH2.5 | Angle Horizontal 2 | 53.865 | Lbyy | N/A | N/A | Lateral |
| 14 | AH2.6 | Angle Horizontal 2 | 22.24 | Lbyy | N/A | N/A | Lateral |
| 15 | AH2.7 | Angle Horizontal 2 | 62.74 | Lbyy | N/A | N/A | Lateral |
| 16 | AH2.8 | Angle Horizontal 2 | 63.74 | Lbyy | N/A | N/A | Lateral |
| 17 | AH2.9 | Angle Horizontal 2 | 62.74 | Lbyy | N/A | N/A | Lateral |
| 18 | AH2.10 | Angle Horizontal 2 | 63.74 | Lbyy | N/A | N/A | Lateral |
| 19 | AH2.11 | Angle Horizontal 2 | 89.24 | Lbyy | N/A | N/A | Lateral |
| 20 | AH2.12 | Angle Horizontal 2 | 55.74 | Lbyy | N/A | N/A | Lateral |
| 21 | OTHER.A1 | Antenna Mount Pipe (Other) | 96 | Lbyy | N/A | N/A | Lateral |
| 22 | OTHER.A2 | Antenna Mount Pipe (Other) | 96 | Lbyy | N/A | N/A | Lateral |
| 23 | OTHER.A3 | Antenna Mount Pipe (Other) | 96 | Lbyy | N/A | N/A | Lateral |
| 24 | OTHER.A4 | Antenna Mount Pipe (Other) | 96 | Lbyy | N/A | N/A | Lateral |
| 25 | OTHER.B1 | Antenna Mount Pipe (Other) | 96 | Lbyy | N/A | N/A | Lateral |
| 26 | OTHER.B2 | Antenna Mount Pipe (Other) | 96 | Lbyy | N/A | N/A | Lateral |
| 27 | OTHER.B3 | Antenna Mount Pipe (Other) | 96 | Lbyy | N/A | N/A | Lateral |
| 28 | OTHER.B4 | Antenna Mount Pipe (Other) | 96 | Lbyy | N/A | N/A | Lateral |
| 29 | OTHER.C1 | Antenna Mount Pipe (Other) | 96 | Lbyy | N/A | N/A | Lateral |
| 30 | OTHER.C2 | Antenna Mount Pipe (Other) | 96 | Lbyy | N/A | N/A | Lateral |
| 31 | OTHER.C3 | Antenna Mount Pipe (Other) | 96 | Lbyy | N/A | N/A | Lateral |
| 32 | OTHER.C4 | Antenna Mount Pipe (Other) | 96 | Lbyy | N/A | N/A | Lateral |
| 33 | OTHER.D1 | Antenna Mount Pipe (Other) | 84 | Lbyy | N/A | N/A | Lateral |
| 34 | OTHER.D2 | Antenna Mount Pipe (Other) | 71 | Lbyy | N/A | N/A | Lateral |
| 35 | OTHER.D3 | Antenna Mount Pipe (Other) | 71 | Lbyy | N/A | N/A | Lateral |
| 36 | TMO.A1 | Antenna Mount Pipe (TMO) | 72 | Lbyy | N/A | N/A | Lateral |
| 37 | TMO.A2 | Antenna Mount Pipe (TMO) | 96 | Lbyy | N/A | N/A | Lateral |
| 38 | TMO.B1 | Antenna Mount Pipe (TMO) | 96 | Lbyy | N/A | N/A | Lateral |
| 39 | TMO.B2 | Antenna Mount Pipe (TMO) | 96 | Lbyy | N/A | N/A | Lateral |
| 40 | TMO.B3.1 | Antenna Mount Pipe (TMO) | 96 | Lbyy | N/A | N/A | Lateral |
| 41 | TMO.B3.2 | Antenna Mount Pipe (TMO) | 96 | Lbyy | N/A | N/A | Lateral |
| 42 | TMO.C1 | Antenna Mount Pipe (TMO) | 96 | Lbyy | N/A | N/A | Lateral |
| 43 | TMO.C2 | Antenna Mount Pipe (TMO) | 96 | Lbyy | N/A | N/A | Lateral |
| 44 | TMO.D1 | Antenna Mount Pipe (TMO) | 96 | Lbyy | N/A | N/A | Lateral |
| 45 | TMO.D2 | Antenna Mount Pipe (TMO) | 96 | Lbyy | N/A | N/A | Lateral |

Plate Primary Data

| | Label | A Node | B Node | C Node | D Node | Material | Thickness [in] |
|----|-------|--------|--------|--------|--------|----------|----------------|
| 1 | P1 | N906 | N889 | N898 | N915 | RIGID | 3 |
| 2 | P2 | N915 | N898 | N894 | N911 | RIGID | 3 |
| 3 | P3 | N911 | N894 | N888 | N905 | RIGID | 3 |
| 4 | P4 | N889 | N531 | N540 | N898 | RIGID | 3 |
| 5 | P5 | N894 | N536 | N530 | N888 | RIGID | 3 |
| 6 | P6 | N37 | N885 | N897 | N914 | RIGID | 3 |
| 7 | P7 | N914 | N897 | N892 | N909 | RIGID | 3 |
| 8 | P8 | N909 | N892 | N889 | N906 | RIGID | 3 |
| 9 | P9 | N885 | N34 | N539 | N897 | RIGID | 3 |
| 10 | P10 | N892 | N534 | N531 | N889 | RIGID | 3 |
| 11 | P11 | N907 | N890 | N884 | N36 | RIGID | 3 |
| 12 | P12 | N35 | N883 | N885 | N37 | RIGID | 3 |



Company : SGS Towers, Inc.
Designer : Tim Wordekemper
Job Number : 2403524
Model Name : NY10253B (St. Anthony Community H...

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Checked By : _____

Plate Primary Data (Continued)

| | Label | A Node | B Node | C Node | D Node | Material | Thickness [in] |
|----|-------|--------|--------|--------|--------|----------|----------------|
| 13 | P13 | N890 | N532 | N33 | N884 | RIGID | 3 |
| 14 | P14 | N883 | N32 | N34 | N885 | RIGID | 3 |
| 15 | P15 | N903 | N886 | N899 | N916 | RIGID | 3 |
| 16 | P16 | N916 | N899 | N900 | N917 | RIGID | 3 |
| 17 | P17 | N917 | N900 | N890 | N907 | RIGID | 3 |
| 18 | P18 | N886 | N524 | N541 | N899 | RIGID | 3 |
| 19 | P19 | N900 | N542 | N532 | N890 | RIGID | 3 |
| 20 | P20 | N904 | N887 | N895 | N912 | RIGID | 3 |
| 21 | P21 | N912 | N895 | N893 | N910 | RIGID | 3 |
| 22 | P22 | N910 | N893 | N886 | N903 | RIGID | 3 |
| 23 | P23 | N893 | N535 | N524 | N886 | RIGID | 3 |
| 24 | P24 | N887 | N525 | N537 | N895 | RIGID | 3 |
| 25 | P25 | N905 | N888 | N896 | N913 | RIGID | 3 |
| 26 | P26 | N913 | N896 | N543 | N901 | RIGID | 3 |
| 27 | P27 | N902 | N544 | N891 | N908 | RIGID | 3 |
| 28 | P28 | N908 | N891 | N887 | N904 | RIGID | 3 |
| 29 | P29 | N888 | N530 | N538 | N896 | RIGID | 3 |
| 30 | P30 | N891 | N533 | N525 | N887 | RIGID | 3 |
| 31 | P31 | N922 | N919 | N918 | N921 | RIGID | 3 |
| 32 | P32 | N923 | N920 | N919 | N922 | RIGID | 3 |

Envelope Node Reactions

| | Node Label | | X [lb] | LC | Y [lb] | LC | Z [lb] | LC | MX [lb-ft] | LC | MY [lb-ft] | LC | MZ [lb-ft] | LC |
|----|------------|-----|----------|----|-----------|----|-----------|----|------------|----|------------|----|------------|----|
| 0 | N44 | max | 56.088 | 26 | 1571.547 | 10 | 841.532 | 10 | 2540.239 | 10 | 62.916 | 10 | 567.535 | 7 |
| 1 | | min | -165.312 | 7 | -263.826 | 27 | -172.243 | 27 | -550.826 | 16 | -54.85 | 7 | -210.944 | 26 |
| 2 | N61 | max | 160.072 | 26 | 1344.23 | 19 | 729.66 | 10 | 2669.193 | 10 | 12.291 | 22 | 1012.721 | 7 |
| 3 | | min | -512.252 | 7 | 187.54 | 4 | -67.122 | 27 | -458.863 | 27 | -28.74 | 4 | -336.98 | 26 |
| 4 | N1 | max | 240.616 | 1 | 665.511 | 22 | 683.998 | 10 | 4276.267 | 10 | 225.737 | 10 | 1173.897 | 7 |
| 5 | | min | -307.485 | 7 | -14.692 | 1 | -119.923 | 27 | -808.777 | 16 | -35.044 | 16 | -1694.735 | 1 |
| 6 | N286 | max | 90.902 | 26 | 739.085 | 19 | 37.139 | 13 | 1284.675 | 13 | 47.079 | 7 | 1496.485 | 7 |
| 7 | | min | -289.469 | 7 | 90.258 | 26 | -1442.902 | 4 | -8340.715 | 4 | -25.673 | 13 | -422.941 | 26 |
| 8 | N72 | max | 247.433 | 26 | 1705.065 | 19 | 781.57 | 10 | 2826.642 | 10 | 6.67 | 13 | 1150.26 | 7 |
| 9 | | min | -658.725 | 7 | 278.363 | 10 | -66.835 | 27 | -741.718 | 4 | -32.014 | 4 | -419.142 | 26 |
| 10 | N462 | max | 361.293 | 1 | 1782.481 | 22 | 987.573 | 10 | 4236.462 | 10 | 105.301 | 10 | 838.584 | 7 |
| 11 | | min | -153.553 | 7 | 533.9 | 7 | -112.357 | 27 | -691.349 | 27 | -17.779 | 19 | -2195.6 | 1 |
| 12 | N198 | max | 81.95 | 26 | 1891.763 | 22 | 295.858 | 10 | 1819.098 | 10 | 31.339 | 10 | 1929.687 | 7 |
| 13 | | min | -511.471 | 7 | 280.442 | 4 | -184.929 | 4 | -1457.517 | 4 | -35.959 | 4 | -339.445 | 26 |
| 14 | N264 | max | 102.905 | 26 | 1023.772 | 16 | 34.128 | 10 | 731.643 | 22 | 165.873 | 4 | 1735.585 | 7 |
| 15 | | min | -360.689 | 7 | 156.379 | 27 | -1450.259 | 4 | -7106.923 | 4 | -36.767 | 13 | -453.259 | 26 |
| 16 | N308 | max | 697.396 | 1 | 1716.586 | 1 | 38.538 | 1 | 546.929 | 10 | 42.082 | 19 | 341.534 | 16 |
| 17 | | min | -24.127 | 16 | 349.221 | 4 | -1132.781 | 4 | -3885.529 | 4 | -190.707 | 1 | -2507.293 | 1 |
| 18 | N352 | max | 958.433 | 1 | 1728.092 | 22 | 537.303 | 10 | 1391.24 | 10 | 85.362 | 10 | 412.493 | 16 |
| 19 | | min | -195.529 | 4 | -446.794 | 4 | -459.357 | 4 | -1172.173 | 4 | -67.198 | 4 | -3459.075 | 1 |
| 20 | N220 | max | 125.63 | 26 | 1326.78 | 22 | 347.734 | 10 | 1932.924 | 10 | 22.178 | 4 | 2233.923 | 7 |
| 21 | | min | -687.638 | 7 | 57.506 | 4 | -386.476 | 4 | -1862.707 | 4 | -12.282 | 13 | -465.593 | 26 |
| 22 | N374 | max | 1090.009 | 1 | 2274.891 | 16 | 504.834 | 10 | 1348.828 | 10 | 76.467 | 10 | 772.328 | 10 |
| 23 | | min | -310.878 | 10 | -152.025 | 10 | -472.361 | 4 | -1195.166 | 4 | -63.883 | 4 | -4260.896 | 1 |
| 24 | N396 | max | 1134.16 | 1 | 2021.958 | 22 | 139.211 | 10 | 1027.108 | 10 | 48.317 | 10 | 390.541 | 7 |
| 25 | | min | -25.29 | 7 | 472.891 | 4 | -153.745 | 4 | -902.268 | 4 | -38.679 | 4 | -4404.127 | 1 |
| 26 | N418 | max | 732.208 | 1 | 1606.138 | 13 | 219.232 | 10 | 1055.107 | 10 | 41.756 | 10 | 749.691 | 7 |
| 27 | | min | -164.936 | 7 | 128.97 | 10 | -167.176 | 4 | -904.957 | 4 | -35.019 | 4 | -2899.241 | 1 |
| 28 | N484 | max | 413.676 | 1 | 1681.197 | 13 | 1209.918 | 10 | 5300.088 | 10 | 91.627 | 10 | 849.702 | 7 |
| 29 | | min | -186.288 | 7 | 110.878 | 10 | -144.3 | 27 | -839.046 | 27 | -21.053 | 19 | -2232.495 | 1 |
| 30 | N440 | max | 469.253 | 1 | 1571.537 | 19 | 284.018 | 10 | 1695.117 | 10 | 117.366 | 10 | 857.231 | 7 |
| 31 | | min | -172.098 | 7 | -269.412 | 1 | -112.764 | 1 | -654.111 | 4 | -15.872 | 19 | -2280.294 | 1 |
| 32 | N176 | max | 138.23 | 10 | 1385.87 | 16 | 383.053 | 10 | 1962.327 | 10 | 24.914 | 7 | 1307.45 | 7 |
| 33 | | min | -411.521 | 7 | -405.826 | 10 | -236.245 | 4 | -1769.449 | 4 | -6.743 | 13 | -277.939 | 26 |
| 34 | N18 | max | 364.8 | 10 | 1006.779 | 16 | 352.147 | 10 | 1621.79 | 10 | 90.693 | 10 | 1092 | 7 |
| 35 | | min | -335.288 | 7 | -1510.354 | 10 | -84.168 | 27 | -485.838 | 13 | -26.844 | 7 | -690.682 | 10 |
| 36 | N83 | max | 191.754 | 26 | 1624.997 | 22 | 712.25 | 10 | 2605.518 | 10 | 6.846 | 13 | 959.259 | 7 |
| 37 | | min | -463.721 | 7 | -843.222 | 7 | -324.617 | 4 | -1558.32 | 4 | -31.376 | 4 | -367.228 | 26 |



Company : SGS Towers, Inc.
Designer : Tim Wordekemper
Job Number : 2403524
Model Name : NY10253B (St. Anthony Community H...

3/8/2024
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Checked By :

Envelope Node Reactions (Continued)

| Node Label | | X [lb] | LC | Y [lb] | LC | Z [lb] | LC | MX [lb-ft] | LC | MY [lb-ft] | LC | MZ [lb-ft] | LC |
|------------|-----|-----------|----|-----------|----|-----------|----|------------|----|------------|----|------------|----|
| 38 N330 | max | 710.677 | 1 | 2355.367 | 16 | 110.479 | 10 | 835.37 | 10 | 48.681 | 19 | 454.884 | 16 |
| 39 | min | -149.926 | 16 | -914.33 | 1 | -335.021 | 4 | -1549.526 | 4 | -180.942 | 1 | -2475.871 | 1 |
| 40 N242 | max | 200.918 | 4 | 1242.506 | 13 | 281.68 | 10 | 1548.894 | 10 | 237.88 | 4 | 1730.01 | 7 |
| 41 | min | -373.269 | 7 | -171.156 | 7 | -861.711 | 4 | -3427.402 | 4 | -41.714 | 13 | -673.651 | 4 |
| 42 N743 | max | 1304.224 | 1 | 1645.128 | 16 | 326.689 | 13 | 1578.835 | 13 | 7.624 | 7 | 5846.08 | 7 |
| 43 | min | -1330.921 | 7 | 329.177 | 7 | -642.154 | 4 | -2476.204 | 4 | -49.891 | 4 | -6194.116 | 1 |
| 44 N761 | max | 748.061 | 1 | 4205.448 | 13 | 331.171 | 7 | 918.153 | 22 | 91.895 | 1 | 5316.06 | 7 |
| 45 | min | -937.031 | 7 | 311.328 | 7 | -882.412 | 4 | -3020.774 | 4 | -117.905 | 7 | -5551.703 | 1 |
| 46 N811 | max | 1523.611 | 1 | 1055.695 | 7 | 208.797 | 1 | 1162.011 | 13 | 48.042 | 7 | 4802.231 | 7 |
| 47 | min | -1307.976 | 7 | -885.906 | 1 | -460.3 | 4 | -2584.095 | 4 | -49.277 | 1 | -5312.934 | 1 |
| 48 Totals: | max | 10383.633 | 1 | 35424.969 | 22 | 9421.714 | 10 | | | | | | |
| 49 | min | -9345.195 | 7 | 9417.871 | 1 | -9751.817 | 4 | | | | | | |

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

| Member | Shape | Code Check | Loc[in] | LC | Shear Check | Loc[in] | Dir | LC | phi*Pnc [lb] | phi*Pnt [lb] | phi*Mn y-y [lb-ft] | phi*Mn z-z [lb-ft] | Cb | Egn |
|-------------|----------|------------|---------|----|-------------|---------|-----|----|--------------|--------------|--------------------|--------------------|-------|-------|
| 0 AH1.2 | L4X4X4 | 0.673 | 127.875 | 7 | 0.07 | 127.875 | z | 4 | 15341.676 | 62532 | 3137.597 | 5269.039 | 1.5 | H2-1 |
| 1 AH1.3 | L4X4X4 | 0.646 | 0 | 1 | 0.12 | 75 | y | 4 | 38577.67 | 62532 | 3137.597 | 6145.384 | 1.5 | H2-1 |
| 2 AH2.3 | L3X3X4 | 0.58 | 26.932 | 10 | 0.178 | 0 | y | 10 | 29858.621 | 46656 | 1688.138 | 3583.679 | 1.5 | H2-1 |
| 3 AH1.8 | L4X4X4 | 0.554 | 5.5 | 7 | 0.07 | 112.75 | z | 10 | 15341.676 | 62532 | 3137.597 | 5269.039 | 1.5 | H2-1 |
| 4 AH1.1 | L4X4X4 | 0.539 | 15.557 | 1 | 0.222 | 0 | z | 1 | 43297.852 | 62532 | 3137.597 | 6350.122 | 1.4 | H2-1 |
| 5 AH1.7 | L4X4X4 | 0.5 | 14.935 | 7 | 0.199 | 0 | y | 7 | 43297.852 | 62532 | 3137.597 | 6433.822 | 1.5 | H2-1 |
| 6 AH2.5 | L3X3X4 | 0.467 | 26.932 | 13 | 0.106 | 53.865 | z | 10 | 29858.621 | 46656 | 1688.138 | 3540.651 | 1.4 | H2-1 |
| 7 AH1.4 | L4X4X4 | 0.429 | 63.281 | 1 | 0.076 | 16.406 | y | 4 | 38577.67 | 62532 | 3137.597 | 6145.384 | 1.5 | H2-1 |
| 8 AH2.4 | L3X3X4 | 0.426 | 42.966 | 10 | 0.104 | 55.74 | z | 10 | 28929.451 | 46656 | 1688.138 | 3562.564 | 1.5 | H2-1 |
| 9 AH2.12 | L3X3X4 | 0.402 | 42.966 | 10 | 0.178 | 12.774 | z | 10 | 28929.451 | 46656 | 1688.138 | 3562.564 | 1.5 | H2-1 |
| 10 AH2.2 | L3X3X4 | 0.385 | 8.108 | 13 | 0.243 | 7.877 | z | 4 | 43237.776 | 46656 | 1688.138 | 3755.745 | 1.5 | H2-1 |
| 11 AH2.9 | L3X3X4 | 0.382 | 34.638 | 19 | 0.046 | 33.984 | z | 1 | 25464.358 | 46656 | 1688.138 | 3356.711 | 1.243 | H2-1 |
| 12 AH2.7 | L3X3X4 | 0.379 | 33.984 | 22 | 0.09 | 62.74 | z | 1 | 25464.358 | 46656 | 1688.138 | 3466.162 | 1.454 | H2-1 |
| 13 AH2.6 | L3X3X4 | 0.371 | 8.108 | 4 | 0.223 | 7.877 | y | 13 | 43237.776 | 46656 | 1688.138 | 3755.745 | 1.5 | H2-1 |
| 14 AH2.8 | L3X3X4 | 0.318 | 11.951 | 1 | 0.093 | 0 | y | 1 | 24973.702 | 46656 | 1688.138 | 3282.689 | 1.143 | H2-1 |
| 15 AH2.1 | L3X3X4 | 0.315 | 40.902 | 10 | 0.041 | 9.296 | z | 7 | 13979.607 | 46656 | 1688.138 | 3232.311 | 1.5 | H2-1 |
| 16 AH1.6 | L4X4X4 | 0.25 | 0 | 10 | 0.084 | 0 | y | 1 | 42413.22 | 62532 | 3137.597 | 6364.68 | 1.5 | H2-1 |
| 17 AH1.5 | L4X4X4 | 0.249 | 51.383 | 1 | 0.058 | 63.24 | z | 1 | 42413.22 | 62532 | 3137.597 | 6364.68 | 1.5 | H2-1 |
| 18 AH2.10 | L3X3X4 | 0.234 | 11.951 | 19 | 0.036 | 0 | y | 16 | 24973.702 | 46656 | 1688.138 | 3192.554 | 1.019 | H2-1 |
| 19 AH2.11 | L3X3X4 | 0.223 | 64.141 | 7 | 0.049 | 9.296 | z | 7 | 13979.607 | 46656 | 1688.138 | 3232.311 | 1.5 | H2-1 |
| 20 TMO.C1 | PIPE 2.5 | 0.162 | 38 | 1 | 0.138 | 68 | | 7 | 30038.461 | 50715 | 3596.25 | 3596.25 | 1 | H1-1b |
| 21 TMO.D1 | PIPE 2.5 | 0.159 | 71 | 1 | 0.056 | 91 | | 7 | 30038.461 | 50715 | 3596.25 | 3596.25 | 1 | H1-1b |
| 22 OTHER.B1 | PIPE 2.5 | 0.151 | 26 | 10 | 0.375 | 44 | | 10 | 30038.461 | 50715 | 3596.25 | 3596.25 | 1 | H3-6 |
| 23 OTHER.B4 | PIPE 2.5 | 0.146 | 26 | 10 | 0.27 | 29 | | 10 | 30038.461 | 50715 | 3596.25 | 3596.25 | 1 | H3-6 |
| 24 TMO.D2 | PIPE 2.5 | 0.14 | 50 | 13 | 0.094 | 50 | | 7 | 30038.461 | 50715 | 3596.25 | 3596.25 | 1 | H1-1b |
| 25 OTHER.B2 | PIPE 2.5 | 0.137 | 26 | 10 | 0.341 | 59 | | 10 | 30038.461 | 50715 | 3596.25 | 3596.25 | 1 | H3-6 |
| 26 OTHER.D1 | PIPE 2.5 | 0.104 | 8.75 | 4 | 0.271 | 30.625 | | 4 | 33961.614 | 50715 | 3596.25 | 3596.25 | 1 | H3-6 |
| 27 OTHER.B3 | PIPE 2.5 | 0.093 | 26 | 10 | 0.289 | 59 | | 10 | 30038.461 | 50715 | 3596.25 | 3596.25 | 1 | H3-6 |
| 28 OTHER.D3 | PIPE 2.5 | 0.084 | 17.75 | 4 | 0.251 | 17.75 | | 4 | 38082.043 | 50715 | 3596.25 | 3596.25 | 1 | H3-6 |
| 29 TMO.B1 | PIPE 2.5 | 0.082 | 59 | 22 | 0.139 | 29 | | 4 | 30038.461 | 50715 | 3596.25 | 3596.25 | 1 | H1-1b |
| 30 OTHER.D2 | PIPE 2.5 | 0.077 | 65.083 | 4 | 0.261 | 17.75 | | 4 | 38082.043 | 50715 | 3596.25 | 3596.25 | 1 | H3-6 |
| 31 TMO.C2 | PIPE 2.5 | 0.068 | 39 | 13 | 0.129 | 38 | | 1 | 30038.461 | 50715 | 3596.25 | 3596.25 | 1 | H1-1b |
| 32 TMO.A1 | PIPE 2.5 | 0.054 | 35.25 | 22 | 0.14 | 64.5 | | 1 | 37773.818 | 50715 | 3596.25 | 3596.25 | 1 | H1-1b |
| 33 OTHER.A3 | PIPE 2.5 | 0.045 | 26 | 1 | 0.121 | 93 | | 1 | 30038.461 | 50715 | 3596.25 | 3596.25 | 1 | H1-1b |
| 34 OTHER.A1 | PIPE 2.5 | 0.045 | 26 | 1 | 0.053 | 44 | | 1 | 30038.461 | 50715 | 3596.25 | 3596.25 | 1 | H1-1b |
| 35 OTHER.C1 | PIPE 2.5 | 0.042 | 26 | 10 | 0.098 | 44 | | 7 | 30038.461 | 50715 | 3596.25 | 3596.25 | 1 | H1-1b |
| 36 TMO.B3.1 | PIPE 2.5 | 0.036 | 48 | 4 | 0.164 | 48 | | 4 | 30038.461 | 50715 | 3596.25 | 3596.25 | 1 | H1-1b |
| 37 OTHER.A4 | PIPE 2.5 | 0.036 | 26 | 22 | 0.173 | 29 | | 1 | 30038.461 | 50715 | 3596.25 | 3596.25 | 1 | H1-1b |
| 38 OTHER.C4 | PIPE 2.5 | 0.036 | 93 | 22 | 0.102 | 29 | | 7 | 30038.461 | 50715 | 3596.25 | 3596.25 | 1 | H1-1b |
| 39 TMO.B2 | PIPE 2.5 | 0.034 | 28 | 10 | 0.122 | 79 | | 4 | 30038.461 | 50715 | 3596.25 | 3596.25 | 1 | H1-1b |
| 40 TMO.B3.2 | PIPE 2.5 | 0.034 | 84 | 4 | 0.068 | 84 | | 4 | 30038.461 | 50715 | 3596.25 | 3596.25 | 1 | H1-1b |
| 41 OTHER.C2 | PIPE 2.5 | 0.031 | 93 | 10 | 0.098 | 59 | | 7 | 30038.461 | 50715 | 3596.25 | 3596.25 | 1 | H1-1b |
| 42 OTHER.C3 | PIPE 2.5 | 0.023 | 59 | 16 | 0.101 | 93 | | 7 | 30038.461 | 50715 | 3596.25 | 3596.25 | 1 | H1-1b |
| 43 OTHER.A2 | PIPE 2.5 | 0.021 | 26 | 1 | 0.031 | 93 | | 7 | 30038.461 | 50715 | 3596.25 | 3596.25 | 1 | H1-1b |
| 44 TMO.A2 | PIPE 2.5 | 0.019 | 70 | 16 | 0.126 | 47 | | 1 | 30038.461 | 50715 | 3596.25 | 3596.25 | 1 | H1-1b |



| | |
|------------------|--------------------------------|
| SGS Project No.: | 2403524 |
| Site Name: | St. Anthony Community Hospital |
| Site Number: | NY10253B |
| Analysis Date: | TJW 03/08/2024 |

Fiberglass Member Capacities

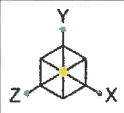
| | | |
|-------------------------------|--------------|---------------|
| Ultimate Bending Stress (Fb): | 30.00 | ksi (assumed) |
| Ultimate Shear Stress (Fv): | 4.50 | ksi (assumed) |
| Ultimate Bearing Stress (Fa): | 30.00 | ksi (assumed) |

| Max Stress from RISA-3D | | | | | | | | |
|-------------------------|---------------------|--------------------|------------------|------------------|----------------|----------------|----------------|----------------|
| FRP Shape | Axial-Comp [ksi] | Axial-Ten [ksi] | y Shear [ksi] | z Shear [ksi] | y-Top [ksi] | y-Bot [ksi] | z-Top [ksi] | z-Bot [ksi] |
| FRP L4X4X0.375 | 1.04 | -1.16 | 0.95 | 0.78 | 13.28 | 4.59 | 6.52 | 6.17 |
| FRP Square Tube 4X0.25 | 1.12 | -0.46 | 0.29 | 0.40 | 22.78 | 16.92 | 11.68 | 14.51 |
| FRP Plate 4 x 0.375 | 1.51 | -1.41 | -0.01 | 0.01 | 0.08 | -0.06 | 3.26 | 1.90 |

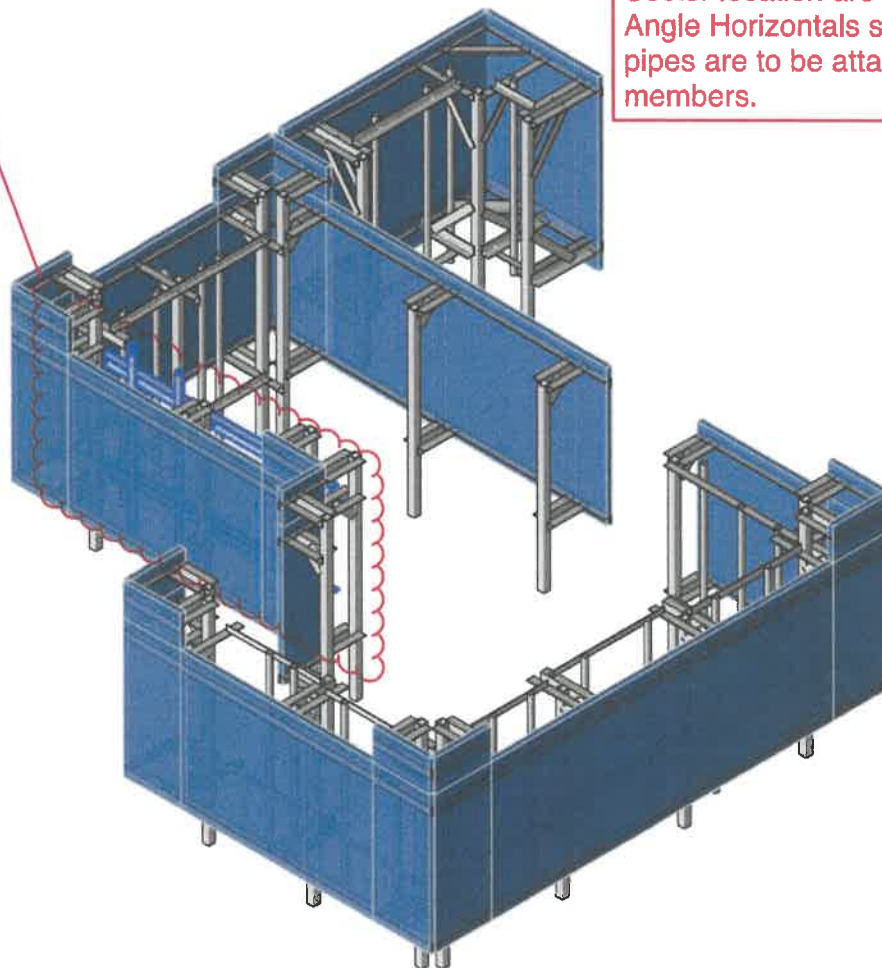
| Max Forces from RISA-3D | | | | | | | |
|-------------------------|--------------------|-------------------|-----------------|-----------------|-------------------|-----------------------|-----------------------|
| FRP Shape | Axial-Comp [lb] | Axial-Ten [lb] | y Shear [lb] | z Shear [lb] | Torque [lb-ft] | y-y Moment [lb-ft] | z-z Moment [lb-ft] |
| FRP L4X4X0.375 | 2884.71 | -3212.56 | 2643.51 | 2159.18 | -79.63 | -1867.13 | -1820.07 |
| FRP Square Tube 4X0.25 | 4205.45 | -1720.42 | -1463.75 | 1499.58 | 423.84 | -5312.93 | -8340.72 |
| FRP Plate 4 x 0.375 | 2256.88 | -2108.75 | -9.82 | 14.89 | -3.47 | 25.48 | -6.66 |

| | L-Shape 4x4x0.375 | HSS 4x4x0.25 | Plate 4x0.375 |
|-------------------------------|----------------------|-----------------|------------------|
| Max Compressive Stress (ksi): | 1.157 | 1.124 | 1.505 |
| Max Shear Stress (ksi): | 0.952 | 0.401 | 0.01 |
| Max Bending Stress (ksi): | 13.279 | 22.782 | 3.262 |
| Compressive Capacity: | 3.9% | 3.7% | 5.0% |
| Shear Capacity: | 21.2% | 8.9% | 0.2% |
| Flexural Capacity: | 44.3% | 75.9% | 10.9% |

APPENDIX B
RECOMMENDATIONS



Beta Sector



Scope of Work

1). The threaded rod standoff located at the Beta Sector location are to be removed and the existing Angle Horizontals supporting antenna mounting pipes are to be attached flush with the FRP HSS members.



SGS Towers
TJW
2403524

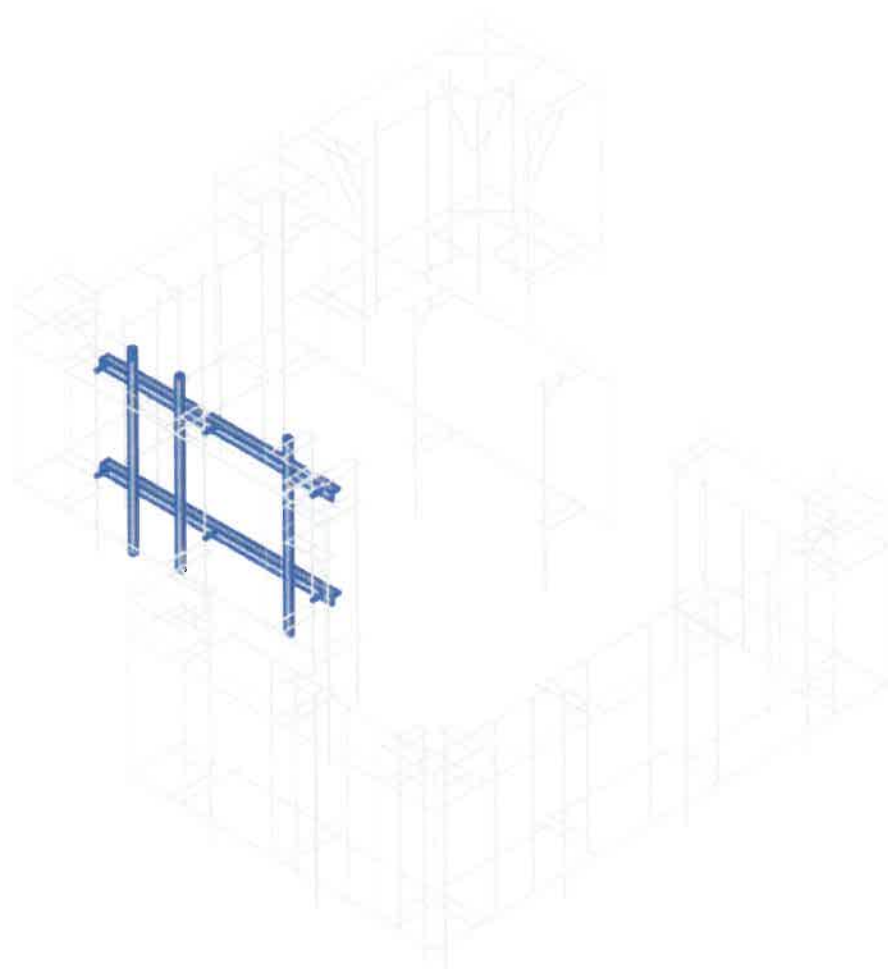
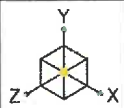
NY10253B (St. Anthony Community Hospital)

Recommendations

REC-1

Mar 11, 2024 at 11:34 AM

2403524 - NY10253B - Concealment She...



| |
|------------|
| SGS Towers |
| TJW |
| 2403524 |

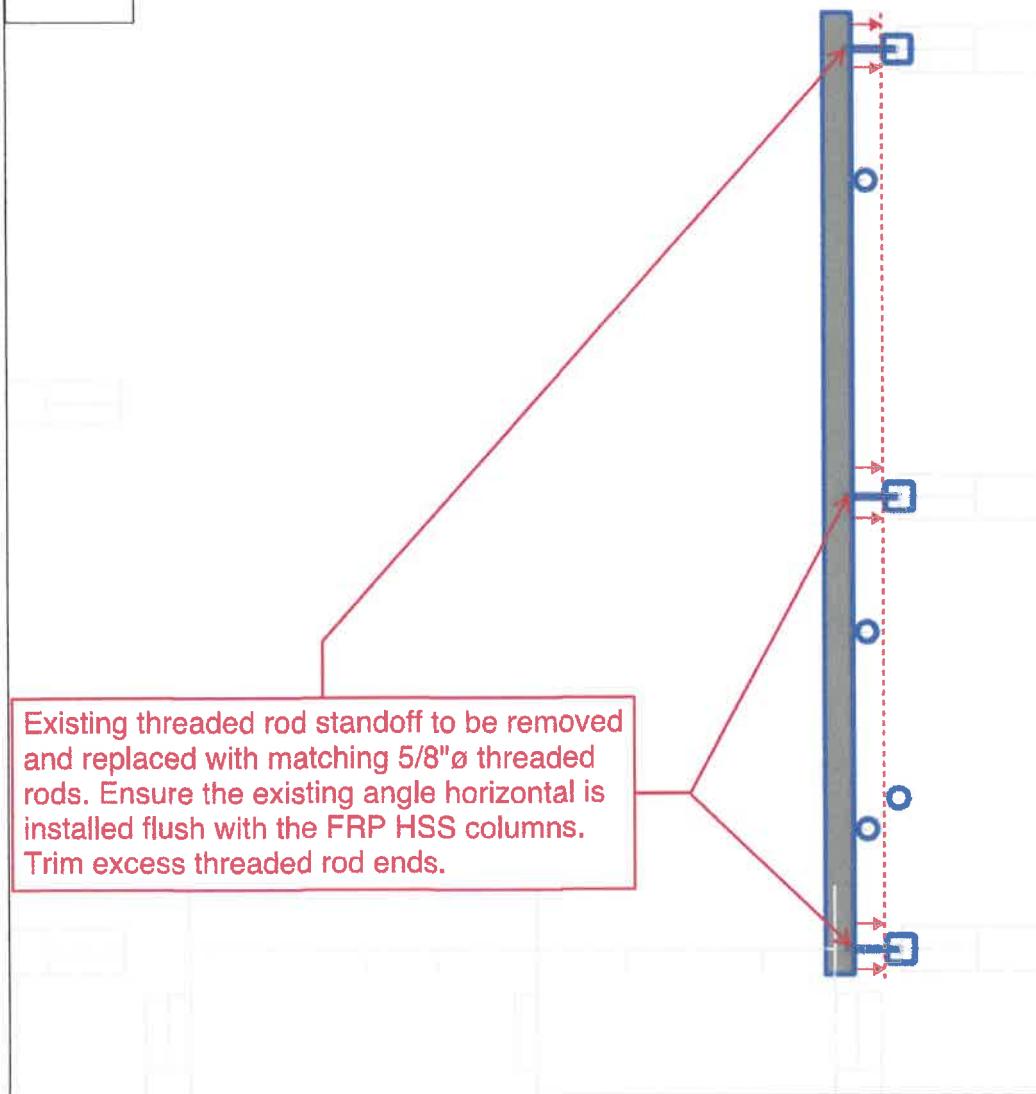
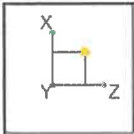
NY10253B (St. Anthony Community Hospital)

Recommendations

REC-2

Mar 11, 2024 at 11:35 AM

2403524 - NY10253B - Concealment She...



Existing threaded rod standoff to be removed and replaced with matching 5/8"Ø threaded rods. Ensure the existing angle horizontal is installed flush with the FRP HSS columns. Trim excess threaded rod ends.



| | | | | |
|--|------------|---|-----------------|---|
| | SGS Towers | NY10253B (St. Anthony Community Hospital) | Recommendations | REC-3 |
| | TJW | | | Mar 11, 2024 at 11:36 AM |
| | 2403524 | | | 2403524 - NY10253B - Concealment She... |

APPENDIX C

POST MODIFICATION INSPECTION REPORT REQUIREMENTS

Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor

(For additional questions and support, please reach out to engineering@sgstowers.com)

Purpose:

To provide SGS Towers the proper documentation necessary to complete the required Mount Desktop review of the Post Modification Inspection Report.

- Contractor is responsible for ensuring the photos provided as noted below provide confirmation that the modification was completed in accordance with the analysis report or modification drawings. (*Passing Mount Analysis requires a PMI due to a modification in loading.*)
- Contractor shall relay any data that can impact the performance of the mount or the mount modification, this includes safety issues.

Base Requirements:

- Provide "as built drawings" showing contractor's name, preparer's signature, and date. Any deviations from the drawing (proposed modification) must be shown.
- Notation that all hardware was properly installed, and the existing hardware was inspected for any issues.
- Verification that loading is as communicated in the analysis report or modification drawings. **NOTE** if loading is different than what is conveyed in the analysis report or modification drawing, contact SGS Towers immediately.
- Each photo should be time and date stamped.
- Photos should be high resolution and submitted in a Zip File and should be organized in the file structure as depicted in Schedule A attached.
- Any special photos outside of the standard requirements will be indicated on the drawings.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the installation of the modification components. This may involve the installation of wire rope guides, or other items to protect the wire rope.

Photo Requirements:

- Base and "During Installation Photos"
 - Base pictures include
 - Photo of Gate Signs showing the tower owner, site name, and number.
 - Photo of carrier shelter showing the carrier site name and number if available.
 - Photos of the galvanizing compound and/or paint used (if applicable), clearly showing the label and name.
 - "During Installation" Photos if provided – must be placed only in this folder
- Photos taken at ground level
 - Overall tower structure before and after installation of the modifications
 - Photos of the appropriate mount before and after installation of the modifications; if the mounts are at different RAD elevations, pictures must be provided for all elevations that the modifications were installed.
- Photos taken at Mount Elevation
 - Photos showing each individual sector before and after installation of modifications. Each entire sector must be in one photo to show in the inter-connection of members.

- Close-up photos of each installed modification per the modification drawings; pictures should also include connection hardware (U-bolts, bolts, nuts, all-threaded rods, etc.)
- Photos showing the measurements of the installed modification member sizes (i.e. lengths, widths, depths, diameters, thicknesses).
- Photos showing the elevation or distances of the installed modifications from the appropriate reference locations shown in the modification drawings.
- Photos showing the installed modifications onto the tower with tape drop measurements (if applicable) (i.e. ring/collar mounts, tie-backs, V-bracing kits, etc.); if the existing mount elevations needs to be changed according to the modification drawings, a tape drop measurement shall be provided before the elevation change.
- Photos showing the safety climb wire rope above and below the mount prior to modification.
- Photos showing the safety climb wire rope above and below the mount post modification.

Antenna and equipment placement and Geometry Certification:

- The contractor must certify that the antenna and equipment placement and geometry is in accordance with the antenna placement diagrams as included in this mount analysis.
 - ☐ The contractor certifies per photos that the equipment on the mount is as depicted on the antenna placement diagrams as included in this mount analysis.
 - ☐ The contractor notes that the equipment on the mount is not in accordance with the antenna placement diagrams and has accordingly marked up the diagrams or provided a diagram outlining the differences.

Material Certification:

- Materials utilized must be as per specification on the drawings or the equivalent as validated by SGS Towers.
 - Submission of specifications / invoices certifying / SGS Towers approval of an "equivalent" must be submitted to the noted email box by the PMI contractor.
- The contractor must certify that the materials meet these specifications by one of the methods below.

☐ The Material utilized was as specified on the SGS Towers Mount Modification Drawings

☐ The Material utilized was an "equivalent" and included as part of the PMI are the SGS Towers certification, invoices, or specifications validating accepted status

Contractor certifies that the climbing facility / safety climb was not damaged prior to starting work:

☐ Yes

☐ No

Contractor certifies no new damage created during the current installation:

☐ Yes

☐ No

Contractor to certify the condition of the safety climb and verify no damage when leaving the site:

☐ Safety Climb in Good Condition

☐ Safety Climb Damaged

Certifying Individual: Company

Name

Signature

Schedule A – Photo & Document File Structure

- Carrier Site Number / Name
 - Base & "During Installation" Photos
 - Pre-Installation Photos
 - Alpha
 - Beta
 - Gamma
 - Delta (If Applicable)
 - Ground Level
 - Tape Drop
 - Post-Installation Photos
 - Alpha
 - Beta
 - Gamma
 - Delta (If Applicable)
 - Ground Level
 - Tape Drop
 - Material Certification – Submission of this document including executed certification on Page 2
 - Specific Required Additional Photos
 - Required Additional Photos

Special Instructions / Validation as required from the MA or any other information the contractor deems necessary to share that was identified:

Issue: _____

Response: _____

[illegible]

TOWARD
TO BREUNIG RD,
TIONAL BLVD, TAKE
N, AT EXIT 19A,
124, HEAD RIGHT
NTO NY-17A /
UR DESTINATION

THESE DOCUMENTS ARE
CONFIDENTIAL AND ARE THE SOLE
PROPERTY OF **T-MOBILE** AND MAY NOT
BE REPRODUCED, DISSEMINATED OR
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MOBILE.**

[illegible]

ST. ANTHONY COMMUNITY HOSPITAL

NY10253B

17 MAPLE AVENUE
WARWICK, NY 10990

TITLE SHEET

T-01

PLANS PREPARED FOR: _____

T Mobile™

4100 GUARDIAN STREET, SUITE 101
SIMI VALLEY, CALIFORNIA 93063

OEM & PLANS PREPARED BY: _____

ERICSSON

6300 LEGACY DRIVE
PLANO, TX, 75024

MLA PARTNER: _____

ENGINEERING SEAL: _____

REV.

2

2

2