

City of Syracuse  
Office of Zoning Administration

**ANTENNA / TOWER / SATELLITE DISH  
APPLICATION**

City Hall Commons - Room 500 \* 201 E. Washington Street \* Syracuse, NY 13202-1426  
315-448-8640 \* [zoning@syr.gov.net](mailto:zoning@syr.gov) \* [www.syr.gov.net/Zoning.aspx](http://www.syr.gov.net/Zoning.aspx)

Office Use \_\_\_\_\_ Filing Date: \_\_\_\_\_ Case: \_\_\_\_\_ Zoning District: \_\_\_\_\_

**REQUESTED** (Check applicable and briefly describe.)

Type	Proposed or Upgraded	
<input checked="" type="checkbox"/> Antenna:	Upgrade	Swap existing antenna with like antennas
<input type="checkbox"/> Tower:		
<input type="checkbox"/> Satellite Dish:		

TAX ASSESSMENT ADDRESS(ES)	TAX MAP ID(S)	OWNER(S)	DATE ACQUIRED
1) 1000 Bellevue Avenue	(000.-00-00.0)		
2) _____	092.-21-17.0	Bellvue Apts LLC	08/04/2010
3) _____			
4) _____			

As listed in the Department of Assessment property tax records at <http://syr.gov.net/Assessment.aspx> - 315-448-8280.

**COMPANION ZONING APPLICATION(S)** (List any related City Zoning applications, if applicable, e.g., Resubdivision, Special Permit, Project Site Review, etc.)

- 1) \_\_\_\_\_ 2) \_\_\_\_\_ 3) \_\_\_\_\_

**PROJECT DESCRIPTION** (Provide a brief description of the project, including and purpose or need, and justification.)  
Remove (6) existing antennas and (6) Radio Heads to be replaced with (9) antennas, (6) radio heads and (3) diplexers on the rooftop.

**ANTENNA**

Proposed or Upgrading	Installation (building or tower)	Antenna Support Structure Construction (describe)	Total Number of Antennas	Total Antenna Structure Height (feet)	Building Installations	
					Base Antenna Height Above Grade (feet)	Maximum Antenna Height Above Roof Line (feet)
Upgrade	Building	Non-penetrating antenna frame	6	49'	464	5.34'

**TOWER**

Proposed or Upgrading	Number of Service Providers	Construction Type (monopole, lattice work, guyed support, etc.)	Maximum Tower Height (feet)	Minimum Distance to Property Boundary (feet)	Color	Lighting	Accessory Equipment / Enclosure / Pad / Building (type and square feet)

**SATELLITE DISH**

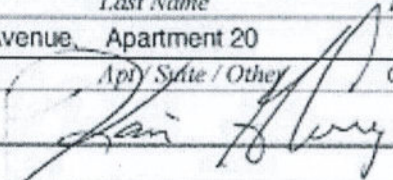
Proposed or Upgrading	Total Number on Property	Diameter (feet)	Location (ground / building / roof)	Distance to Street Line (feet)	Base Height Above Grade (feet)



City of Syracuse Office of Zoning Administration

**PROPERTY OWNER(S)** *(required)*

As listed in Department of Assessment property tax records (<http://syrgov.net/Assessment.aspx> - 315-448-8280). If not listed as the owner, please provide proof of ownership, e.g., a copy of the deed. Attorney's signing on behalf of the owner must include a letter describing the legal arrangement. If the property owner is a Corporation or Organization, the person signing must provide member verification. **Contract purchasers, tenants, architects, engineers, contractors, etc. CANNOT sign on behalf of the owner.**

First Name	Last Name	Title	Company	Phone:
Karim	Courgi	Owner	Bellevue Apts	
Street Address	Apt / Suite / Other	City	St	Zip
307 Hawley Avenue	Apartment 20	Syracuse	NY	13203
* Signature:			Email:	Date:
			SyracuseHousing1@gmail.com	6/25/21

First Name	Last Name	Title	Company	Phone:
Street Address	Apt / Suite / Other	City	St	Zip
* Signature:			Email:	Date:

First Name	Last Name	Title	Company	Phone:
Street Address	Apt / Suite / Other	City	St	Zip
* Signature:			Email:	Date:

First Name	Last Name	Title	Company	Phone:
Street Address	Apt / Suite / Other	City	St	Zip
* Signature:			Email:	Date:

**\* OWNER SIGNATURE DECLARATION**

I understand that false statements made herein are punishable as a Class A Misdemeanor, pursuant to section 210.45 of the Penal Law of the State of New York. I declare that, subject to the penalties of perjury, any statements made on this application and any attachments are the truth and to the best of my knowledge correct. I also understand that any false statements and/or attachments presented knowingly in connection with this application will be considered null and void.

**APPLICANT(S)** *(if applicable)*

First Name	Last Name	Title	Company	Phone:
Street Address	Apt / Suite / Other	City	St	Zip

First Name	Last Name	Title	Company	Phone:
Street Address	Apt / Suite / Other	City	St	Zip

**REPRESENTATIVE(S)/CONTACT(S)** *(if applicable)*

First Name	Last Name	Title	Company	Phone:
Street Address	Apt / Suite / Other	City	St	Zip
Cassandra Darmody		Site Acquisition Specialist	Pyramid Network Services	
6615 Towpath Road, E.		Syracuse, NY	13057	Phone: 315-569-9241
			Email:	
				C.Darmody@Pyramidns.com

First Name	Last Name	Title	Company	Phone:
Street Address	Apt / Suite / Other	City	St	Zip



**Antenna / Tower / Satellite Dish**  
**Application**  
**PROCEDURES**

Antenna / Tower / Satellite Dish applications are reviewed by the City Planning Commission and may require a public hearing. Meetings are scheduled every three weeks on Mondays at 6:00 p.m. in the Common Council Chambers on the third floor of City Hall, unless otherwise noted. The annual meeting scheduled is posted at [http://www.syr.gov.net/Planning\\_Commission.aspx](http://www.syr.gov.net/Planning_Commission.aspx).

An application will not be considered complete and ready to be heard by the City Planning Commission until all required submittals have been received and have been through a preliminary review by Zoning Office staff, including an evaluation of the application under the New York State Environmental Quality Review Act (SEQR).

Applications are also referred (forwarded) to other departments, typically the Departments of Public Works and Engineering, and the City Division of Planning for review and comment and to also assist with coordinating the project with their requirements. Applications involving historic properties are referred to the Syracuse Landmark Preservation Board for review and comment. Applications involving properties within the jurisdiction of the Onondaga County Planning Board are referred for their review.

This review process will ultimately make the process of obtaining any additional permits, like building permits, more efficient. Applicants will be required to address any comments, often through the modification of the application plans that must be resubmitted to the Syracuse Zoning Office. This review process is often iterative in nature and may require additional review time if the project is complex.

Once an application is complete and reviewed, the application will be placed on the next available City Planning Commission meeting agenda. If a public hearing is required, it must first be authorized at a regularly scheduled meeting by the City Planning Commission for the following regularly scheduled meeting. Following a public hearing authorization, and at least ten (10) days prior to the public hearing date, a "Public Notice" will be published in Syracuse Post Standard as well as mailed to: the applicant and applicant's representative (if applicable); surrounding property owners within at least a 200 foot radius from the applicant's property; and to other City departments and neighborhood organizations. The application and its contents will then be available for inspection at the Syracuse Zoning Office. [http://www.syr.gov.net/Planning\\_Commission.aspx](http://www.syr.gov.net/Planning_Commission.aspx).

The applicant or their representative must present the application to the City Planning Commission. A decision will typically be rendered on the same day, but occasionally the application will be held open until the next meeting pending additional information and/or further consideration.

PLEASE NOTE: Application approval does not relieve you or your representative from compliance with any other regulatory or licensing provisions additionally required by other Federal, State, County, or City authorities. You are still required to pursue and obtain all applicable permits, such as building permits from the Central Permit Office in the Division of Code Enforcement.

**Antenna / Tower / Satellite Dish**

**Application**

**INSTRUCTIONS AND REQUIRED SUBMITTALS**

**Incomplete applications will not be processed.**

Applications together with the required submittals below must be submitted in **HARD COPY, SINGLE SIDED** and **NOT BOUND**, to the City of Syracuse Office of Zoning Administration, City Hall Commons – Room 500, 201 East Washington St., Syracuse, NY 13202. E-mailed submissions will not be processed.

Please submit **ONE (1) COPY** of the following:

- APPLICATION** – filled out completely, dated, and **signed by property owner(s) as instructed.**
- STATE ENVIRONMENTAL QUALITY REVIEW ACT (SEQR) ASSESSMENT FORM** (for most applications a Short Form (SEAF) - Part One) – filled out to the best of your ability, dated, and signed.
- PHOTOGRAPHS** and **SIMULATIONS (COLOR)** illustrating before and after photos of the proposed exact location of proposed antenna, tower, or satellite dish.
- APPLICATION FEE** – \$0.

Please submit **THREE FULL-SIZE AND TO-SCALE SETS** for review purposes, and **ONE (1) REDUCED SET** (11x17, or smaller) for copying, of the items listed below. All plans must include a title block with author, date, scale, and Department of Assessment property tax address, and must be an accurate graphic representation of all pertinent information that can be correctly interpreted by any person without additional explanation. Plans do not need to be stamped by a licensed professional unless noted below.

- AS BUILT PROPERTY SURVEY(S)** of all involved properties illustrating **boundaries, easements, and current conditions** including structures, fencing, parking surface, retaining walls (**signed and stamped by a licensed surveyor**).
- SITE PLANS, DRAWINGS, CALCULATIONS, and DOCUMENTATION** (**signed and sealed by a licensed engineer**, as necessary) including:
  1. existing conditions to remain
  2. proposed site changes
  3. existing and proposed structure locations
  4. antenna placement, design, dimensions, and support structure details
  5. tower design, height, materials, colors, lighting, and requirements
  6. distance to street and property lines / setbacks
  7. accessory equipment/components, pads, enclosures, and structures with dimensions
  8. fencing
  9. landscaping
  10. topography and topographic analyses
  11. radio area frequency coverage
  12. additional information as maybe determined by the City Planning Commission





September 17, 2021  
NY – City of Syracuse  
Zoning Department  
201 E Washington Street  
Syracuse, NY 13202

**\*\*\*\*\*NOTICE OF ELIGIBLE FACILITIES REQUEST\*\*\*\*\***

RE: Request for Minor Modification to Existing Wireless Facility – Section 6409  
Site Address: 1000 Bellevue Avenue, Syracuse, NY 13207  
T-Mobile Northeast NSD Sprint/T-Mobile Project  
T-Mobile Northeast LLC Site Number / Name- UP30704A / Bellevue Apartments

Dear Mr. Harrop:

On behalf of T-Mobile (“Applicant”), Pyramid Network Services (“Pyramid”) is pleased to submit this request to modify the existing wireless facility noted above through the replacement and/or removal of the Applicant’s equipment as an eligible facility request for a minor modification under Section 6409<sup>1</sup> and the rules of the Federal Communications Commission (“FCC”).<sup>2</sup>

Section 6409 mandates that state and local governments must approve any eligible facilities request for the modification of an existing wireless tower or base station that does not substantially change the physical dimensions of such base station. If a state or local government, fails to issue any approvals required for this request within 60 days, these approvals are deemed granted. The FCC has clarified that the 60-day deadline begins when an applicant: (1) takes the first step required under state or local law; and (2) submits information sufficient to inform the jurisdiction that this modification qualifies under the federal law.

Please allow this letter to confirm that, on September 17, 2021, Applicant submitted its application through delivery to Suite 500, 201 East Washington Street, Syracuse, NY. This letter supplements the filing for purposes of starting the review period. Accordingly, the deadline for issuance of approval is November 17, 2021.

---

<sup>1</sup> Middle Class Tax Relief and Job Creation Act of 2012, Pub. L. No. 112-96, § 6409 (2012) (codified at 47 U.S.C. § 1455).

<sup>2</sup> Acceleration of Broadband Deployment by Improving Wireless Facility Siting Policies, 29 FCC Rcd. 12865 (2014) (codified at 47 CFR § 1.6100); and Implementation of State & Local Governments’ Obligation to Approve Certain Wireless Facility Modification Requests Under Section 6409(a) of the Spectrum Act of 2012, WT Docket No. 19-250 (June 10, 2020).





To accommodate new wireless technologies, T-Mobile scope of work proposes to replace existing antennae and radio heads. No additional changes are proposed for the modification.

At the end of this letter is a checklist of the applicable substantial change criteria under Section 6409. Additionally, please find enclosed the following information in support of this request:

- (1) Completed Tower Antenna Satellite Dish application;
- (2) Short EAF assessment form
- (3) Photo Sims
- (4) Survey
- (5) Construction Drawings scaled to 11x17, as per our phone conversation 5/27/2021
- (6) Structural Analysis; and
- (7) Section 6409 Substantial Change Checklist

As these documents indicate, (i) the modification involves the removal and replacement of transmission equipment; and (ii) such modification will not substantially change the physical dimensions of such base station. As such, it is an “eligible facilities request” as defined in the FCC’s rules to which the 60-day deadline for approval applies. Accordingly, Applicant requests all authorization necessary for this proposed minor modification under Section 6409.

Our goal is to work with you to obtain approvals earlier than the deadline. We will respond promptly to any request for related information you may have in connection with this request. Please let us know how we can work with you to expedite the approval process. We look forward to working with you on this important project, which will improve wireless telecommunication services in your community using existing infrastructure. If you have any questions, please do not hesitate to contact me.

Sincerely,

*Cassandra Darmody*

Cassandra Darmody  
Agent for T-Mobile Northeast LLC  
c/o Pyramid Network Services, LLC  
6615 Towpath Road  
East Syracuse, NY 13057  
Cell (315) 569-9241  
Fax (315) 445-0653



**Section 6409 Substantial Change Checklist  
Towers Outside of the Public Right of Way**

The Federal Communications Commission has determined that a modification substantially changes the physical dimension of a wireless tower or base station under 47 U.S.C. § 1455(a) if it meets one of six enumerated criteria under 47 C.F.R. § 1.6100.

**Criteria for Towers Outside the Public Rights of Way**

YES/NO <b>NO</b>	Does the modification increase the height of the structure by more than the greater of: (a) 10%; or (b) the height of an additional antenna array plus separation of up to 20 feet from the top of the nearest existing antenna?
YES/NO <b>NO</b>	Does the modification add an appurtenance to the body of the structure that would protrude from the edge of the structure more than 20 feet or more than the width of the structure at the level of the appurtenance, whichever is greater?
YES/NO <b>NO</b>	Does the modification involve the installation of more than the standard number of new equipment cabinets for the technology involved or add more than four new equipment cabinets?
YES/NO <b>NO</b>	Does the modification entail any excavation or deployment outside the current site by more than 30 feet in any direction, not including any access or utility easements?
YES/NO <b>NO</b>	Does the modification defeat the concealment elements of the eligible support structure?
YES/NO <b>NO</b>	Does the modification violate conditions associated with the siting approval with the prior approval the base station other than as specified in 47 C.F.R. § 1.6100(c)(7)(i) – (iv)?

If all questions in the above are area answered “NO,” then the modification does not constitute a substantial change to the existing tower under 47 C.F.R. § 1.6100.

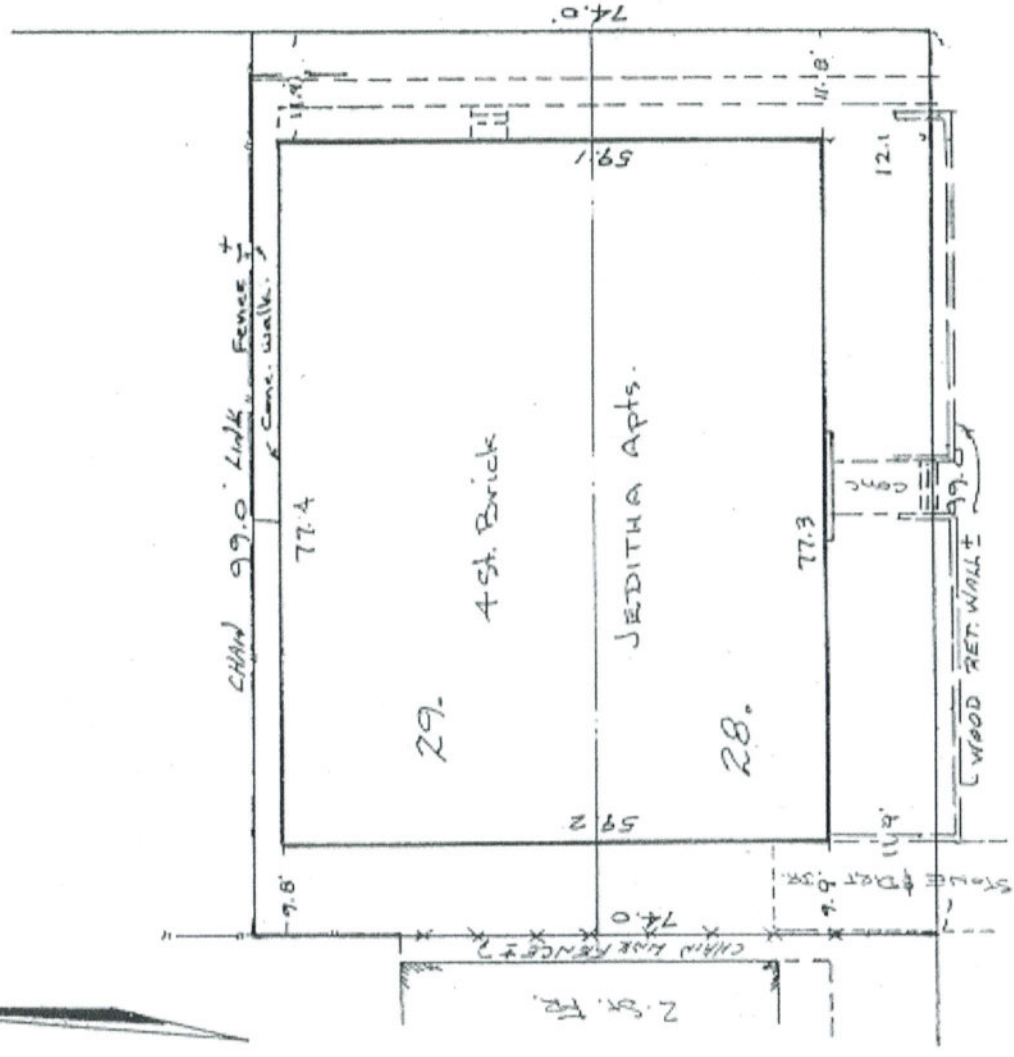


FOR CONVEYANCE AND/OR MORTGAGE PURPOSES OCCURRING  
WITHIN ONE YEAR OF THE LATEST CERTIFICATION DATE ONLY.

THE UNDERSIGNED HEREBY CERTIFIES THAT THIS MAP WAS  
MADE FROM AN ACTUAL SURVEY ON 12.24.10 VOID  
WITHOUT EMBOSSED SEAL

RECERTIFIED ON: DEC 12 2011

*Gary E. Cottrell*



BELLEVUE AVE.

"NO CHANGE" AFFIDAVITS ISSUED ON THIS MAP VOID THE CERTIFICATION.  
INFRINGE ON COPYRIGHT AND REPRESENT UNLICENSED SURVEY PRACTICE!

COPYRIGHT © 1990  
BY COTTRELL LAND SURVEYORS, P.C.  
ALL RIGHTS RESERVED  
COPIES WITHOUT THE EMBOSSED SEAL ARE UNAUTHORIZED  
AND HAVE BEEN ALTERED.

USERS: THIS MAP IS NOT USABLE NOR CERTIFICATIONS EXTENDABLE  
FOR UNSPECIFIED PURPOSES OR FOR SUBSEQUENT TRANSACTIONS  
EXCEPT BY THE WRITTEN CONSENT OF OR BY SURVEY UPDATE BY THE  
UNDERSIGNED ONLY.

SURVEYORS: REFERENCE TO, USE OF OR RELIANCE ON THIS MAP  
WITHOUT THE WRITTEN CONSENT FOR WHATEVER PURPOSE VIOLATES MY  
COPYRIGHT AND ABSOLVES ME OF ANY LIABILITY FOR LATENT OMISSIONS  
AND ERRORS AND OF ANY RESPONSIBILITY FOR RESULTANT DAMAGES.

#1000 BELLEVUE AVENUE

LOTS 28, 29 - BLOCK 480

FITCH & PUTNAM TR - SYRACUSE, N.Y.

10192-21-17 Scale 1" = 20'  
FILE: BELLEVUE Dec 24, 1970  
203-35

COTTRELL LAND SURVEYORS, P.C.  
MANLIUS, N.Y.

BELLEVUE \$1000 L29 L28 B480 FITCH PUTNAM #92-21-17 @ 19701224LOC @ 20111212UP.TIF



## Short Environmental Assessment Form

### Part 1 - Project Information

#### Instructions for Completing

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

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

<b>Part 1 – Project and Sponsor Information</b>				
Name of Action or Project: Sprint Now part of T-Mobile, Upgrade to existing Telecommunications Facility, Site ID UP30704A, Site name Bellevue_Apartment_BLDG				
Project Location (describe, and attach a location map): 1000 Bellevue Avenue, Syracuse, NY 13204				
Brief Description of Proposed Action: Sprint Now Part of T-Mobile proposes the upgrade of their existing wireless telecommunication facility located on the rooftop of Bellevue Apartments. The property is located at the intersection of Bellevue Avenue and Dudley Street.  In general the upgrade will consist of the following: Remove existing antennas, radio units, cables, cabinets, and associated equipment, and replace with newer model equipment. Additionally, the project involves removing (2) existing roof top antenna steel frames and replacing them with (3) new frames. The new antennas/frames will be installed on the eastern half of the roof to accommodate new antenna azimuths.				
Name of Applicant or Sponsor: Sprint Now Part of T-Mobile, attn: John Cuttone		Telephone: 631-885-0860 E-Mail: jcuttone@pyramidnetworkservices.com		
Address: 103 Monarch Dr.				
City/PO: Liverpool		State: NY	Zip Code: 13088	
1. Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation? If Yes, attach a narrative description of the intent of the proposed action and the environmental resources that may be affected in the municipality and proceed to Part 2. If no, continue to question 2.			NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/>
2. Does the proposed action require a permit, approval or funding from any other government Agency? If Yes, list agency(s) name and permit or approval: Antenna Permit (Planning Commission) Building Permit (Division of Code Enforcement)			NO <input type="checkbox"/>	YES <input checked="" type="checkbox"/>
3. a. Total acreage of the site of the proposed action? _____ 0.17 acres b. Total acreage to be physically disturbed? _____ 0 acres c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? _____ 0 acres				
4. Check all land uses that occur on, are adjoining or near the proposed action:				
5. <input type="checkbox"/> Urban <input type="checkbox"/> Rural (non-agriculture) <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Residential (suburban) <input type="checkbox"/> Forest <input type="checkbox"/> Agriculture <input type="checkbox"/> Aquatic <input type="checkbox"/> Other(Specify): <input type="checkbox"/> Parkland				



	NO	YES	N/A
5. Is the proposed action, a. A permitted use under the zoning regulations? b. Consistent with the adopted comprehensive plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Is the proposed action consistent with the predominant character of the existing built or natural landscape?	NO	YES	
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area? If Yes, identify: _____	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
8. a. Will the proposed action result in a substantial increase in traffic above present levels? b. Are public transportation services available at or near the site of the proposed action? c. Are any pedestrian accommodations or bicycle routes available on or near the site of the proposed action?	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
9. Does the proposed action meet or exceed the state energy code requirements? If the proposed action will exceed requirements, describe design features and technologies: _____ _____	NO	YES	
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
10. Will the proposed action connect to an existing public/private water supply? If No, describe method for providing potable water: _____ Water supply is not applicable for this project since this is an uninhabited facility.	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11. Will the proposed action connect to existing wastewater utilities? If No, describe method for providing wastewater treatment: _____ Wastewater treatment is not applicable for this project since this is an uninhabited facility.	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
12. a. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places? Subject parcel is directly north of the Onondaga Highlands-Swaneola Heights Historic District.	NO	YES	
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency? b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody? If Yes, identify the wetland or waterbody and extent of alterations in square feet or acres: _____ _____ _____	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check all that apply: <input type="checkbox"/> Shoreline <input type="checkbox"/> Forest <input type="checkbox"/> Agricultural/grasslands <input type="checkbox"/> Early mid-successional <input type="checkbox"/> Wetland <input type="checkbox"/> Urban <input checked="" type="checkbox"/> Suburban		
15. Does the site of the proposed action contain any species of animal, or associated habitats, listed by the State or Federal government as threatened or endangered?	NO	YES
	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16. Is the project site located in the 100-year flood plan?	NO	YES
	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17. Will the proposed action create storm water discharge, either from point or non-point sources? If Yes, a. Will storm water discharges flow to adjacent properties? b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)? If Yes, briefly describe: _____ _____	NO	YES
	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
18. Does the proposed action include construction or other activities that would result in the impoundment of water or other liquids (e.g., retention pond, waste lagoon, dam)? If Yes, explain the purpose and size of the impoundment: _____ _____	NO	YES
	<input checked="" type="checkbox"/>	<input type="checkbox"/>
19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility? If Yes, describe: _____ _____	NO	YES
	<input checked="" type="checkbox"/>	<input type="checkbox"/>
20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste? If Yes, describe: _____ _____	NO	YES
	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE</b>  Applicant/sponsor/name: <u>Steven Matthews, PE - Engineer for the applicant</u> Date: <u>9/3/21</u> Signature: <u>Steven Matthews</u> Title: <u>Director of Engineering</u>		

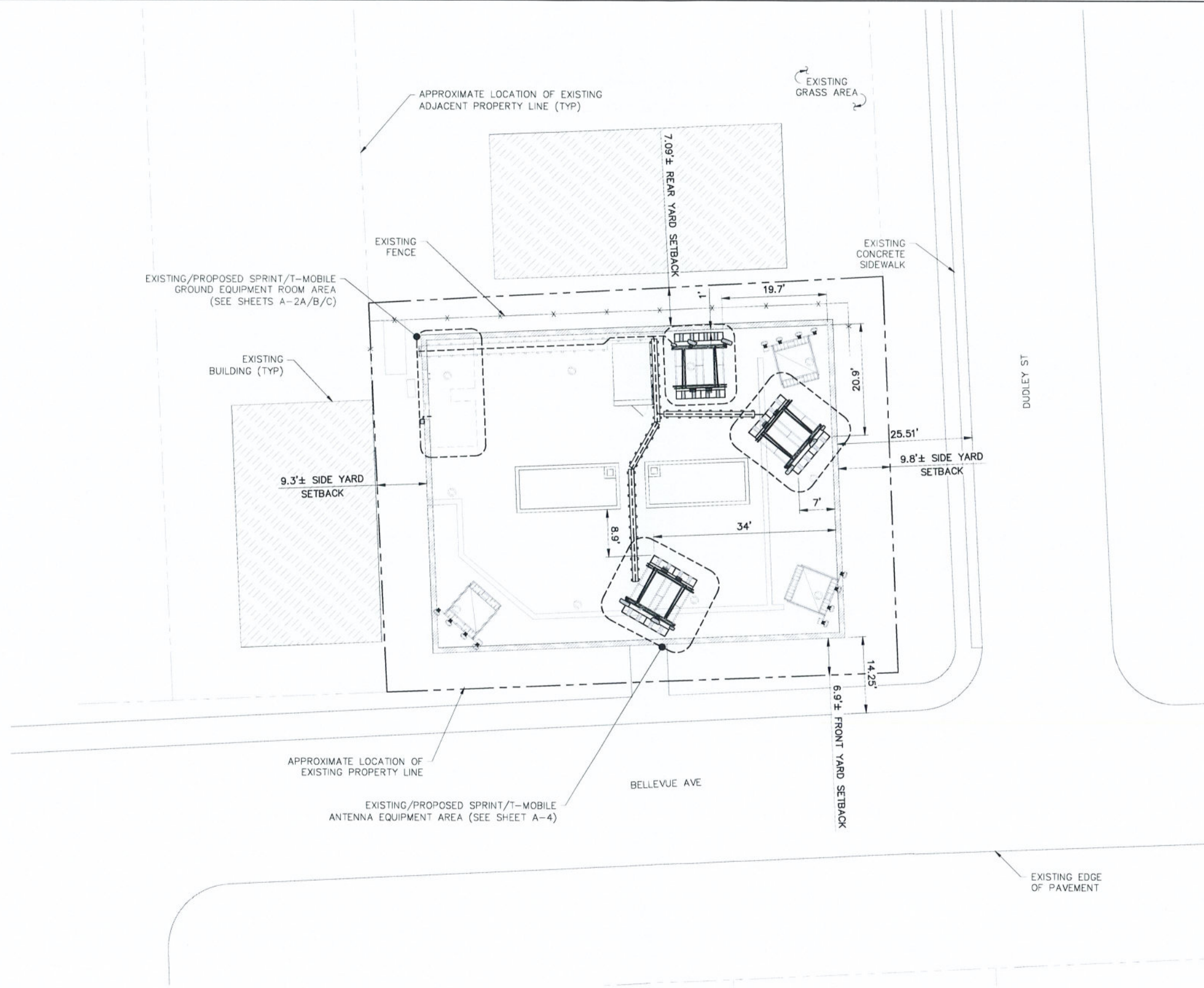


**Disclaimer:** The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the EAF Workbooks. Although the EAF Mapper provides the most up-to-date digital data available to DEC, you may also need to contact local or other data sources in order to obtain data not provided by the Mapper. Digital data is not a substitute for agency determinations.

Garmin, USGS, Intermap, INCREMENTP, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Part 1 / Question 7 [Critical Environmental Area]	No
Part 1 / Question 12a [National or State Register of Historic Places or State Eligible Sites]	Yes
Part 1 / Question 12b [Archeological Sites]	No
Part 1 / Question 13a [Wetlands or Other Regulated Waterbodies]	No
Part 1 / Question 15 [Threatened or Endangered Animal]	No
Part 1 / Question 16 [100 Year Flood Plain]	No
Part 1 / Question 20 [Remediation Site]	No

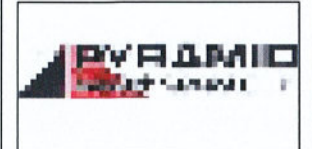




**OVERALL SITE PLAN**  
 SCALE: 1" = 10' (22x34 SIZE)  
 1" = 20' (11x17 SIZE)

**NOTE:**  
 SITE INFORMATION BASED ON DRAWINGS DATED 7/23/18 BY RAMAKER & ASSOCIATES, INC. AND A SITE INSPECTION DATED 1/14/21 BY TECTONIC ENGINEERING CONSULTANTS, GEOLOGISTS & LAND SURVEYORS, D.P.C.

CONFIGURATION  
**67E5A998E 6160**  
 REFER TO LATEST T-MOBILE RF DATA SHEET FOR FINAL RF DESIGN & BOM



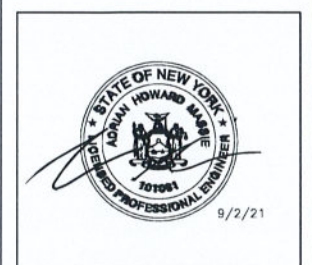
**Sprint** **T-Mobile**  
 103 MONARCH DRIVE  
 LIVERPOOL, NY 13085

**Tectonic**  
 Tectonic Engineering Consultants, Geologists & Land Surveyors, D.P.C.  
 70 Pleasant Hill Road  
 P.O. Box 37  
 Mount Airy, NY 10953  
 Phone: (845) 334-3329  
 (800) 829-8531  
 www.tectonic-engineering.com

Project Contact Info:  
 38 British American Blvd.  
 Suite 101  
 Latham, NY 12110  
 Phone: (518) 783-1830

NO.	DATE	ISSUE
0	2/19/21	FOR COMMENT
1	3/16/21	PER COMMENTS
2	4/27/21	FOR CONSTRUCTION
3	05/04/21	FOR CONSTRUCTION
4	06/16/21	FOR ZONING
5	08/12/21	PER COMMENTS
6	08/18/21	UPDATED RFDS
7	9/2/21	FOR CONSTRUCTION

WORK ORDER NUMBER: 10666.017  
 DRAWN BY: MQ



UNAUTHORIZED ALTERATION OR ADDITIONS TO A PLAN BEARING THE SEAL OF A LICENSED ENGINEER OR LAND SURVEYOR IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.  
 COPIES OF THIS DOCUMENT WITHOUT A FACSIMILE OF THE SIGNATURE AND AN ORIGINAL EMBOSSED SEAL OR ORIGINAL STAMP IN BLUE OR RED INK OF THE PROFESSIONAL ENGINEER OR LAND SURVEYOR SHALL NOT BE CONSIDERED VALID COPIES.  
 ORIGINAL SIZE IN INCHES

**SITE INFORMATION**  
 UP30704A  
 BELLVUE APARTMENT BLDG  
 SY73XC031  
**SITE ADDRESS**  
 1000 BELLEVUE AVE  
 CITY OF SYRACUSE  
 ONONDAGA COUNTY  
 NY 13204  
**SHEET TITLE**  
 OVERALL SITE PLAN  
**SHEET NUMBER**

CONFIGURATION  
**67E5A998E 6160**  
**A-1**





**SPRINT RETAIN**  
 SPRINT/T-MOBILE SITE I.D. NUMBER:  
**UP30704A**  
 SPRINT/T-MOBILE SITE NAME:  
**BELLEVUE\_APTMENT\_BLDG**  
 CONFIGURATION:  
**67E5A998E 6160**  
 SPRINT SITE I.D. NUMBER:  
**SY73XC031**

**SHEET INDEX**

SHEET NO	DESCRIPTION	REV NO	REVISION DATE
T-1	TITLE SHEET	7	9/2/21
GN-1	NOTES	7	9/2/21
A-1	OVERALL SITE PLAN	7	9/2/21
A-2A	EXISTING EQUIPMENT LAYOUT PLAN	7	9/2/21
A-2B	PROPOSED EQUIPMENT LAYOUT PLAN	7	9/2/21
A-2C	PROPOSED CONDUIT LAYOUT PLAN	7	9/2/21
A-3	ELEVATION	7	9/2/21
A-4A	EXISTING ANTENNA LAYOUT PLANS	7	9/2/21
A-4B	PROPOSED ANTENNA LAYOUT PLANS	7	9/2/21
A-5	ANTENNA & HYBRID SCHEDULE	7	9/2/21
A-6	DETAILS	7	9/2/21
A-7	DETAILS	7	9/2/21
A-8	MOUNT DETAILS	7	9/2/21
E-1	ELECTRICAL DETAILS	7	9/2/21
G-1	GROUNDING PLAN	7	9/2/21
G-2	GROUNDING DETAILS	7	9/2/21

THIS SET OF PLANS SHALL NOT BE UTILIZED AS CONSTRUCTION DOCUMENTS UNTIL ALL ITEMS HAVE BEEN ADDRESSED AND EACH OF THE DRAWINGS HAS BEEN REVISED AND ISSUED "FOR CONSTRUCTION".

**PROJECT SCOPE OF WORK**

MODIFICATION TO AN EXISTING UNMANNED TELECOMMUNICATIONS FACILITY TO CONSIST OF THE FOLLOWING:

- REMOVE (6) EXISTING SPRINT/T-MOBILE ANTENNAS
- REMOVE (9) EXISTING SPRINT/T-MOBILE RRHS
- REMOVE (3) EXISTING SPRINT/T-MOBILE RFS FILTERS
- REMOVE (3) EXISTING SPRINT/T-MOBILE HYBRID CABLES
- REMOVE (3) EXISTING SPRINT/T-MOBILE COAX CABLES
- REMOVE (1) EXISTING SPRINT/T-MOBILE DISTRIBUTION BOX
- REMOVE (1) EXISTING SPRINT/T-MOBILE 125A PPC
- REMOVE (2) EXISTING SPRINT/T-MOBILE EQUIPMENT CABINETS
- REMOVE (1) EXISTING SPRINT/T-MOBILE FIBER BOX
- REMOVE (1) EXISTING SPRINT/T-MOBILE APPLETON GEN. PLUG
- REMOVE (3) EXISTING SPRINT/T-MOBILE ANTENNA MOUNTS
- INSTALL (3) PROPOSED SPRINT/T-MOBILE ANTENNA MOUNTS
- INSTALL (3) PROPOSED SPRINT/T-MOBILE APXVAALL24\_43-UNA20 PANEL ANTENNAS
- INSTALL (3) PROPOSED SPRINT/T-MOBILE AIR6449 B41 PANEL ANTENNAS
- INSTALL (3) PROPOSED SPRINT/T-MOBILE HBXX-6517DS-AM2 PANEL ANTENNAS
- INSTALL (3) PROPOSED SPRINT/T-MOBILE RRUS-4480
- INSTALL (3) PROPOSED SPRINT/T-MOBILE RRUS-4460
- INSTALL (1) PROPOSED SPRINT/T-MOBILE 200A PPC
- INSTALL (1) PROPOSED SPRINT/T-MOBILE SSC 6160 EQUIPMENT CABINET
- INSTALL (1) PROPOSED SPRINT/T-MOBILE B160 BATTERY CABINET
- INSTALL (3) PROPOSED SPRINT/T-MOBILE 6x24 HYBRID CABLES
- INSTALL (1) PROPOSED SPRINT/T-MOBILE CAMLOCK GEN. PLUG

**VICINITY MAP**



**SITE DIRECTIONS**

**DRIVING DIRECTIONS FROM LIVERPOOL SPRINT/T-MOBILE OFFICE:**

TAKE MONARCH DR TO COMMERCE BLVD, FOLLOW FOR ±0.1 MILE. TURN LEFT ONTO COMMERCE BLVD, FOLLOW FOR ±0.1 MILE. TURN RIGHT ONTO 51/VINE ST, FOLLOW FOR ±0.7 MILES. TURN LEFT ONTO OSWEGO ST, FOLLOW FOR ±0.2 MILES. OSWEGO ST TURNS SLIGHTLY RIGHT AND BECOMES NY-370 E, FOLLOW FOR ±2.0 MILES. USE THE RIGHT LANE TO TAKE THE RAMP TO I-81 S/SYRACUSE, FOLLOW FOR ±0.6 MILES. USE THE LEFT LANE TO CONTINUE ON EXIT 23B-22 AND FOLLOW SIGNS FOR DESTINY USA DR, FOLLOW FOR ±0.04 MILES. KEEP LEFT, FOLLOW SIGNS FOR I-81 S/SYRACUSE AND MERGE ONTO I-81 S, FOLLOW FOR ±1.4 MILES. TAKE EXIT 20 TOWARD FRANKLIN ST/WEST ST, FOLLOW FOR ±0.1 MILE. TURN RIGHT ONTO BUTTERNUT ST, FOLLOW FOR ±0.03 MILES. USE THE RIGHT 2 LANES TO TURN SLIGHTLY RIGHT ONTO THE WEST ST RAMP, FOLLOW FOR ±0.2 MILES. CONTINUE ONTO N WEST ST, FOLLOW FOR ±0.9 MILES. TURN RIGHT ONTO W ONONDAGA ST, FOLLOW FOR ±0.5 MILES. TURN RIGHT TO STAY ON W ONONDAGA ST, FOLLOW FOR ±0.01 MILE. TURN LEFT TO STAY ON W ONONDAGA ST, FOLLOW FOR ±0.3 MILES. TURN LEFT ONTO DUDLEY ST, FOLLOW FOR ±0.06 MILES. SITE WILL BE ON THE RIGHT.

**PROJECT SUMMARY**

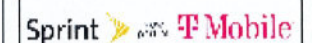
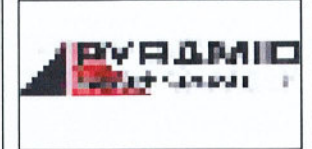
T-MOBILE SITE NUMBER:	UP30704A	PROJECT MANAGER:	JOHN CUTTONE
SPRINT ID NUMBER:	SY73XC031		PYRAMID NETWORK SERVICES, LLC 631-885-0860 JCUTTONE@PYRAMIDNETWORKSERVICES.COM
SITE ADDRESS:	1000 BELLEVUE AVE SYRACUSE, NY 13204	ENGINEER:	TECTONIC ENGINEERING CONSULTANTS, GEOLOGISTS & LAND SURVEYORS, D.P.C 36 BRITISH AMERICAN BLVD SUITE 101 LATHAM, NY 12110
COUNTY:	ONONDAGA	CONTACT:	STEVE MATTHEWS (518) 783-1630
TAX MAP PARCEL #:	092.-21-17.0	POWER PROVIDER:	NATIONAL GRID CONTACT: (800) 642-4272
ZONING DISTRICT:	RESIDENTIAL DIST, CLASS AA	FIBER PROVIDER:	VERIZON LANDLINE CONTACT: (855) 277-5195
APPLICANT/ TOWER OWNER:	T-MOBILE 103 MONARCH DRIVE LIVERPOOL, NY 13088		
LANDOWNER:	BELLEVUE APTS LLC 201 W GENESEE ST FAYETTEVILLE NY, 13066		
STRUCTURE TYPE:	ROOFTOP		
STRUCTURE HEIGHT:	39.66'±		
ANTENNA RAD CENTER:	45'±		
LATITUDE: (NAD 83)	43° 1' 59.6" N 43.033222'		
LONGITUDE: (NAD 83)	76° 10' 12.4" W -76.170111'		
GRADE ELEVATION:	464'± AMSL		

**APPLICABLE CODES**

**DESIGN CRITERIA:**

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

1. INTERNATIONAL BUILDING CODE 2018
2. 2020 NEW YORK STATE BUILDING CODE
3. ACCESSIBILITY CODE ADA 2015. BASED ON ICC/ANSI A117.1-LATEST EDITION
4. 2017 NATIONAL ELECTRIC CODE
5. FIRE/LIFE SAFETY CODE - IFC 2018
6. ANSI/TIA-222-H-2017 "STRUCTURAL STANDARDS FOR ANTENNA SUPPORTING STRUCTURES, ANTENNAS AND SMALL WIND TURBINE SUPPORT STRUCTURES".



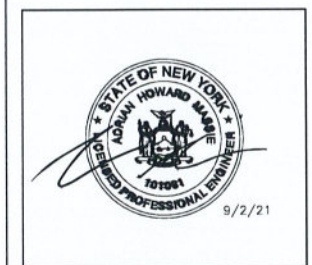
103 MONARCH DRIVE  
LIVERPOOL, NY 13088



WORK ORDER NUMBER: 10666.017  
DRAWN BY: MO

NO.	DATE	ISSUE
0	2/19/21	FOR COMMENT
1	3/16/21	PER COMMENTS
2	4/27/21	FOR CONSTRUCTION
3	05/04/21	FOR CONSTRUCTION
4	06/16/21	FOR ZONING
5	08/12/21	PER COMMENTS
6	08/16/21	UPDATED RFDS
7	9/2/21	FOR CONSTRUCTION

RELEASED BY: \_\_\_\_\_ DATE: \_\_\_\_\_



UNAUTHORIZED ALTERATION OR ADDITIONS TO A PLAN BEARING THE SEAL OF A LICENSED ENGINEER OR LAND SURVEYOR IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.  
COPIES OF THIS DOCUMENT WITHOUT A FACSIMILE OF THE SIGNATURE AND AN ORIGINAL EMBOSSED SEAL OR ORIGINAL STAMP IN BLUE OR RED INK OF THE PROFESSIONAL ENGINEER OR LAND SURVEYOR SHALL NOT BE CONSIDERED VALID COPIES.

0 1 2 3  
ORIGINAL SIZE IN INCHES

**SITE INFORMATION**

UP30704A  
BELLVUE APARTMENT BLDG  
SY73XC031

**SITE ADDRESS**

1000 BELLEVUE AVE  
CITY OF SYRACUSE  
ONONDAGA COUNTY  
NY 13204

**SHEET TITLE**

TITLE SHEET

**SHEET NUMBER**

**CONFIGURATION**

**67E5A998E 6160**

REFER TO LATEST T-MOBILE RF DATA SHEET FOR FINAL RF DESIGN & BOM

**T-1**



## GENERAL NOTES

- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE STATE OF NEW YORK BUILDING CODE 2020, AND ALL OTHER APPLICABLE CODES AND ORDINANCES.
- CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND MAKE PROVISIONS AS TO THE COST THEREOF. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
- PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY, UNLESS OTHERWISE NOTED. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO EFFECT ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
- DIMENSIONS SHOWN ARE TO FINISH SURFACES, UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS. SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, EXISTING CONDITIONS AND/OR DESIGN INTENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE CARRIER'S AUTHORIZED REPRESENTATIVE OR THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
- DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
- CONTRACTOR SHALL RECEIVE CLARIFICATION IN WRITING, AND SHALL RECEIVE IN WRITING AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEMS NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
- CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ALL PRODUCTS OR ITEMS NOTED AS "EXISTING" WHICH ARE NOT FOUND TO BE IN THE FIELD.
- CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING THE BEST CONSTRUCTION SKILLS AND ATTENTION. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER CONTRACT, UNLESS OTHERWISE NOTED.
- ERECTION SHALL BE DONE IN A WORKMANLIKE MANNER BY COMPETENT EXPERIENCED WORKMEN IN ACCORDANCE WITH APPLICABLE CODES AND THE BEST ACCEPTED PRACTICE. ALL MEMBERS SHALL BE LAID PLUMB AND TRUE AS INDICATED ON THE DRAWINGS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE WORK AREA, ADJACENT AREAS, AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFORM TO ALL OSHA REQUIREMENTS.
- CONTRACTOR SHALL COORDINATE HIS WORK AND SCHEDULE HIS ACTIVITIES AND WORKING HOURS IN ACCORDANCE WITH THE REQUIREMENTS OF THE OWNER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH THE WORK OF OTHERS AS IT MAY RELATE TO RADIO EQUIPMENT, ANTENNAS AND ANY OTHER PORTIONS OF THE WORK.
- CONTRACTOR SHALL MAINTAIN LIABILITY INSURANCE TO PROTECT THE OWNER AND CARRIER.
- INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
- MAKE NECESSARY PROVISIONS TO PROTECT EXISTING SURFACES, EQUIPMENT, IMPROVEMENTS, PIPING, ANTENNA AND ANTENNA CABLES. REPAIR ANY DAMAGE THAT OCCURS DURING CONSTRUCTION.
- REPAIR ALL EXISTING SURFACES DAMAGED DURING CONSTRUCTION SUCH THAT THEY MATCH AND BLEND WITH ADJACENT SURFACES.
- KEEP CONTRACT AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DEBRIS AND RUBBISH. EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY OF THE OWNER SHALL BE REMOVED. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ITEMS UNTIL COMPLETION OF CONSTRUCTION.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO FABRICATION AND ERECTION OF ANY MATERIAL. ANY UNUSUAL CONDITIONS SHALL BE REPORTED TO THE ATTENTION OF THE ENGINEER.
- CONTRACTOR SHALL SECURE ALL NECESSARY BUILDING PERMITS AND INSPECTIONS AND PAY ALL REQUIRED FEES.
- PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 2-A/10-BC WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF THE BUILDOUT AREA DURING CONSTRUCTION.
- ALL BROCHURES, OPERATING AND MAINTENANCE MANUALS, CATALOGS, SHOP DRAWINGS AND OTHER DOCUMENTATION SHALL BE TURNED OVER TO CARRIER AT COMPLETION OF CONSTRUCTION.
- COMPLETE JOB SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR AFTER THE DATE OF ACCEPTANCE BY CARRIER. ANY WORK, MATERIALS, OR EQUIPMENT FOUND TO BE DEFECTIVE DURING THAT PERIOD SHALL BE CORRECTED IMMEDIATELY UPON WRITTEN NOTIFICATION AT NO ADDITIONAL COST TO CARRIER.
- RIGGING OPERATIONS SHALL BE DONE IN ACCORDANCE WITH STATE AND FEDERAL SAFETY REGULATIONS (OSHA). TECTONIC, CARRIER AND THE OWNER SHALL BE HELD HARMLESS IN THE EVENT THE CONTRACTOR DOES NOT FOLLOW SUCH SAFETY REGULATIONS.
- CONTRACTOR SHALL PROVIDE ACCESS TO THE SITE AND ASSIST THE RADIO EQUIPMENT VENDOR AND THE ANTENNA INSTALLATION CONTRACTOR AS THEY MAY REQUIRE.

## ELECTRICAL INSTALLATION NOTES

- ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE LOCAL CODES.
- ALL ELECTRICAL EQUIPMENT AND ACCESSORIES SHALL BE U.L. APPROVED OR LISTED.
- CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED.
- WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC.
- ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.
- CABLES SHALL NOT BE ROUTED THROUGH LADDER-STYLE CABLE TRAY RUNGS.
- EACH END OF EVERY POWER, POWER PHASE CONDUCTOR (I.E., HOTS), GROUNDING, AND T1 CONDUCTOR AND CABLE SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2 INCH PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC & OSHA.
- ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH ENGRAVED LAMACOID PLASTIC LABELS. ALL EQUIPMENT SHALL BE LABELED WITH THEIR VOLTAGE RATING, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING, AND BRANCH CIRCUIT ID NUMBERS (I.E., PANELBOARD AND CIRCUIT ID'S).
- PANELBOARDS (ID NUMBERS) AND INTERNAL CIRCUIT BREAKERS (CIRCUIT ID NUMBERS) SHALL BE CLEARLY LABELED WITH ENGRAVED LAMACOID PLASTIC LABELS.
- POWER, CONTROL, AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE CONDUCTOR (#14 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN-2, STRANDED COPPER CABLE RATED FOR 90°C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
- SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE CONDUCTOR (#6 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN-2 GREEN INSULATION, STRANDED COPPER CABLE RATED FOR 90°C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
- POWER AND CONTROL WIRING, NOT IN TUBING OR CONDUIT, SHALL BE MULTI-CONDUCTOR, TYPE USE-2 CABLE (#14 AWG OR LARGER), 600 V, OIL RESISTANT RHW-2 OR XHHW-2, STRANDED COPPER CABLE RATED FOR 90°C (WET AND DRY) OPERATION; WITH OUTER JACKET; LISTED OR LABELED FOR THE LOCATION USED, UNLESS OTHERWISE SPECIFIED.
- ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP-STYLE, COMPRESSION WIRE LUGS AND WIRE NUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRE NUTS SHALL BE RATED FOR OPERATION AT NO LESS THAN 90°C.
- RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE, AND NEC.
- ELECTRICAL METALLIC TUBING (EMT) OR RIGID METALLIC CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
- ELECTRICAL METALLIC TUBING (EMT) OR RIGID METALLIC CONDUIT (RMC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
- PVC SCHEDULE 40 CONDUIT SHALL BE USED UNDERGROUND EXCEPT IN AREAS OF VEHICULAR TRAFFIC. IN SUCH AREAS, PVC SCHEDULE 80 SHOULD BE USED.
- ALL OUTDOOR EXPOSED CONDUIT SHALL BE PVC SCHEDULE 80 AND SHALL BE SUPPORTED ADEQUATELY.
- LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED. LFM SHALL CONFORM TO NEC ARTICLE 350.
- CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SET SCREW FITTINGS ARE NOT ACCEPTABLE.
- CABINETS, BOXES, AND WIREWAYS SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE, AND NEC.
- WIREWAYS SHALL BE EPOXY-COATED (GRAY) AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARD; SHALL BE PANDUIT TYPE E (OR EQUAL); AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.
- EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES, AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET STEEL, SHALL MEET OR EXCEED UL 50, AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.
- METAL RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY-COATED, OR NON-CORRODING. SHALL MEET OR EXCEED UL 514A AND NEMA OS 1; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
- NON-METALLIC RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
- CONTRACTOR SHALL APPLY FOR ELECTRICAL SERVICE AS SOON AS POSSIBLE AND COORDINATE REQUIREMENTS, SERVICE ROUTING, AND METER SOCKET TYPE WITH LOCAL POWER COMPANY.
- CONTRACTOR SHALL APPLY FOR TELEPHONE SERVICE AS SOON AS POSSIBLE AND COORDINATE REQUIREMENTS AND SERVICE ROUTING WITH TELEPHONE COMPANY.
- CONTRACTOR SHALL OBTAIN ALL PERMITS, PAY PERMIT FEES, AND SCHEDULE INSPECTIONS.
- CONTRACTOR SHALL LABEL ELECTRICAL EQUIPMENT IN ACCORDANCE WITH NEC 110.16 AND 110.24.
- CONTRACTOR SHALL VERIFY THAT THE MAIN BONDING JUMPER AND GROUNDING ELECTRODE CONDUCTOR IS INSTALLED PROPERLY AT SERVICE ENTRANCE.
- CONTRACTOR SHALL SEAL AROUND ALL CONDUIT PENETRATIONS THROUGH WALLS, FLOORS AND ROOFS TO PREVENT MOISTURE PENETRATION OR VERMIN INFESTATIONS.
- WHERE ELECTRICAL POWER IS TO BE SUB-FED FROM AN EXISTING DISTRIBUTION SYSTEM, THE FOLLOWING SHALL APPLY:  
A. CONTRACTOR SHALL PERFORM LOAD TESTING TO DETERMINE MAXIMUM FEEDER DEMAND PER N.E.C. ARTICLE 220.  
B. CONTRACTOR SHALL VERIFY WHETHER EXISTING FEEDER CAPACITY EXCEEDS VALUE CALCULATED PER N.E.C. ARTICLE 220.  
C. EACH BRANCH CIRCUIT PROTECTIVE DEVICE SHALL HAVE SAME INTERRUPTING RATING AS EQUIPMENT SUPPLYING IT.  
D. PREFERRED MEANS OF SUPPLY SHALL BE A BRANCH CIRCUIT PROTECTIVE DEVICE LOCATED IN EXISTING PANEL.
- DURING TRENCH BACK-FILLING FOR EACH UNDERGROUND ELECTRICAL, TELEPHONE, SIGNAL AND COMMUNICATIONS LINE, PROVIDE A CONTINUOUS UNDERGROUND WARNING TAPE TWELVE INCHES BELOW FINISHED GRADE.

## GROUNDING NOTES

### GROUND TESTING AFTER CONSTRUCTION

- AFTER COMPLETION OF CONSTRUCTION OF THE CELL SITE GROUND SYSTEM, A POST INSTALLATION GROUND TEST SHALL BE PERFORMED BY THE CONTRACTOR. THE CONTRACTOR SHALL DETERMINE THE GROUND RESISTANCE FOR ALL SITES AFTER INSTALLATION OF THE EARTH GROUND SYSTEM. A PRELIMINARY EARTH RESISTIVITY TEST (3 POLE TEST OR CLAMP-ON-METER) SHALL BE PERFORMED PRIOR TO BACK FILLING ALL TRENCHES AS SPECIFIED IN T-MOBILE NETWORK STANDARDS (NSTD46) AND THE NATIONAL ELECTRIC CODE.
- APPROVED MEASUREMENT METHODS FOR POST INSTALLATION GROUND TESTING SHALL BE ONE OF THE FOLLOWING METHODS:  
A. FALL OF POTENTIAL METHOD - 3 POINT  
B. CLAMP-ON RESISTANCE TEST  
C. TOWER AND EXTERNAL CONDUCTOR TEST
- A GROUNDING RESISTANCE TEST REPORT SHALL BE PREPARED UPON COMPLETION OF THE TESTING. THE TEST REPORT SHALL SHOW THE RESISTANCE IN OHMS AT 40%, 52%, 62%, 72% AND 82% POINTS IN 10% INTERVALS. RESISTANCE IS TO BE RECORDED AT EACH INTERVAL FOR EACH POINT FOR FOUR (4) DIFFERENT DIRECTIONS UNTIL THERE IS A PLATEAU SEEN AT THE 62% POINT. TESTING SHOULD BE COMPLETED IN A MINIMUM OF TWO (2) DIFFERENT DIRECTIONS AT 90 DEGREES APART. RECORD THE AVERAGE OR MEAN AS THE RESISTANCE OF THE SITE AND ENTER THIS ON THE POST RESISTANCE DATA CHART.
- PROVIDE THE POST INSTALLATION - GROUND RESISTANCE TEST REPORT TO THE REGIONAL PROJECT ENGINEER ACCOMPANIED BY THE POST RESISTANCE DATA CHART.

## ANTENNA MOUNTING NOTES

- THE DESIGN AND CONSTRUCTION OF ANTENNA SUPPORTS SHALL CONFORM TO ANSI/TIA-222 H-2017 "STRUCTURAL STANDARD FOR ANTENNA SUPPORTING STRUCTURES, ANTENNAS AND SMALL WIND TURBINE SUPPORT STRUCTURES," THE BUILDING CODE OF NEW YORK STATE, AND ALL OTHER APPLICABLE LOCAL, STATE, AND FEDERAL CODES.
- ALL STEEL MATERIALS SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 "ZINC (HOT-DIP GALVANIZED) COATINGS ON IRON AND STEEL PRODUCTS", UNLESS OTHERWISE NOTED.
- ALL BOLTS, ANCHORS AND MISCELLANEOUS HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 "ZINC-COATING (HOT-DIP) ON IRON AND STEEL HARDWARE", UNLESS OTHERWISE NOTED.
- DAMAGED GALVANIZED SURFACES SHALL BE REPAIRED BY COLD GALVANIZING IN ACCORDANCE WITH ASTM A780 "REPAIR OF DAMAGED AND UNCOATED AREAS OF HOT-DIP GALVANIZED COATINGS", USING COLD GALVANIZING COMPOUND AS MANUFACTURED BY ZINGA-USA OR ZINC KOTE, OR ENGINEER APPROVED EQUAL WITH A MINIMUM METALLIC ZINC CONTENT OF 95% BY WEIGHT IN DRY FILM. DRY FINISHED COATING THICKNESS SHALL BE 3 MILS MINIMUM.
- ALL ANTENNA MOUNTS SHALL BE INSTALLED WITH DOUBLE NUTS AND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- DESIGN OF THE ANTENNA MOUNTING BRACKETS, SUPPORTS, AND ALL COMPONENTS THEREOF AND ATTACHMENT THERETO SHALL BE THE RESPONSIBILITY OF THE MANUFACTURER. MANUFACTURER SHALL PROVIDE THE OWNER DRAWINGS DETAILING ALL COMPONENTS OF THE ASSEMBLY, INCLUDING CONNECTIONS, DESIGN LOADS, AND ALL OTHER PERTINENT DATA. MANUFACTURER SHALL ALSO PROVIDE THE OWNER WITH A STATEMENT OF COMPLIANCE, INDICATING THAT THE ANTENNA SUPPORTS HAVE BEEN DESIGNED IN ACCORDANCE WITH ANSI/TIA-222-H-2017 STANDARDS. ALL SUBMISSIONS SHALL BEAR THE SIGNATURE AND SEAL OF A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK.



Sprint T-Mobile

103 MONARCH DRIVE  
LIVERPOOL, NY 13085

**Tectonic**  
PRACTICAL SOLUTIONS. EXCEPTIONAL SERVICE.

Tectonic Engineering Consultants, Geologists & Land Surveyors, P.C.  
70 Pleasant Hill Road Phone: (516) 334-1800  
P.O. Box 37 (800) 829-8331  
Mountaintop, NY 10853 www.tectonicec.com

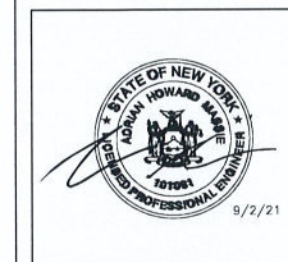
Project Contact Info  
58 Brian American Blvd.  
Suite 101  
Latham, NY 12110 Phone: (516) 783-1830

WORK ORDER NUMBER 10666.017 DRAWN BY

NO. DATE ISSUE

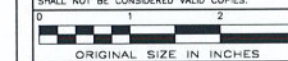
NO.	DATE	ISSUE
0	2/19/21	FOR COMMENT
1	3/16/21	PER COMMENTS
2	4/27/21	FOR CONSTRUCTION
3	05/04/21	FOR CONSTRUCTION
4	06/16/21	FOR ZONING
5	08/12/21	PER COMMENTS
6	08/18/21	UPDATED RFDS
7	9/2/21	FOR CONSTRUCTION

RELEASED BY DATE



UNAUTHORIZED ALTERATION OR ADDITIONS TO A PLAN BEARING THE SEAL OF A LICENSED ENGINEER OR LAND SURVEYOR IS A VIOLATION OF SECTION 7209 SUBSECTION 2 OF THE NEW YORK STATE EDUCATION LAW.

COPIES OF THIS DOCUMENT WITHOUT A FACSIMILE OF THE SIGNATURE AND AN ORIGINAL EMBOSSED SEAL OR ORIGINAL STAMP IN BLUE OR RED INK OF THE PROFESSIONAL ENGINEER OR LAND SURVEYOR SHALL NOT BE CONSIDERED VALID COPIES.



SITE INFORMATION

UP30704A  
BELLVUE APARTMENT BLDG  
SY73XC031

SITE ADDRESS

1000 BELLEVUE AVE  
CITY OF SYRACUSE  
ONONDAGA COUNTY  
NY 13204

SHEET TITLE

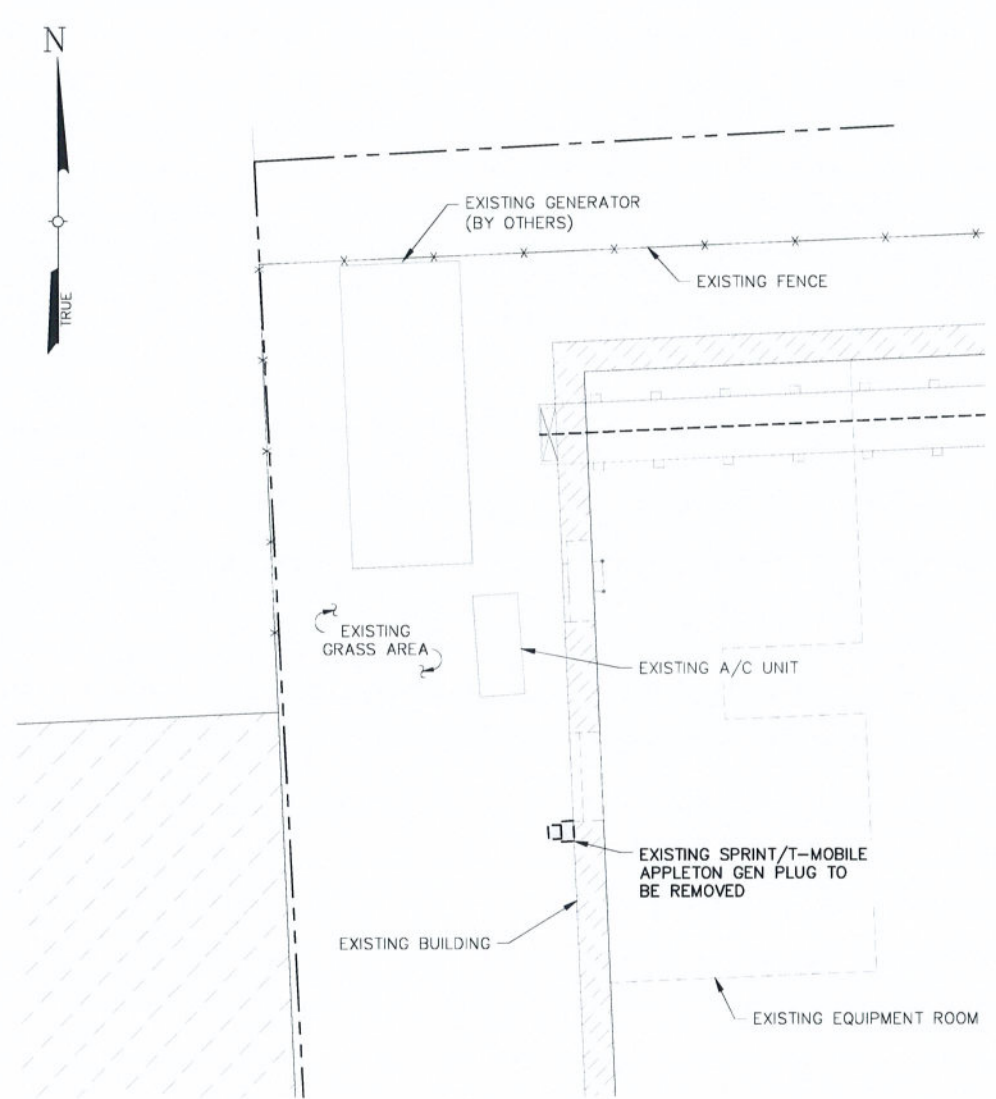
NOTES

SHEET NUMBER

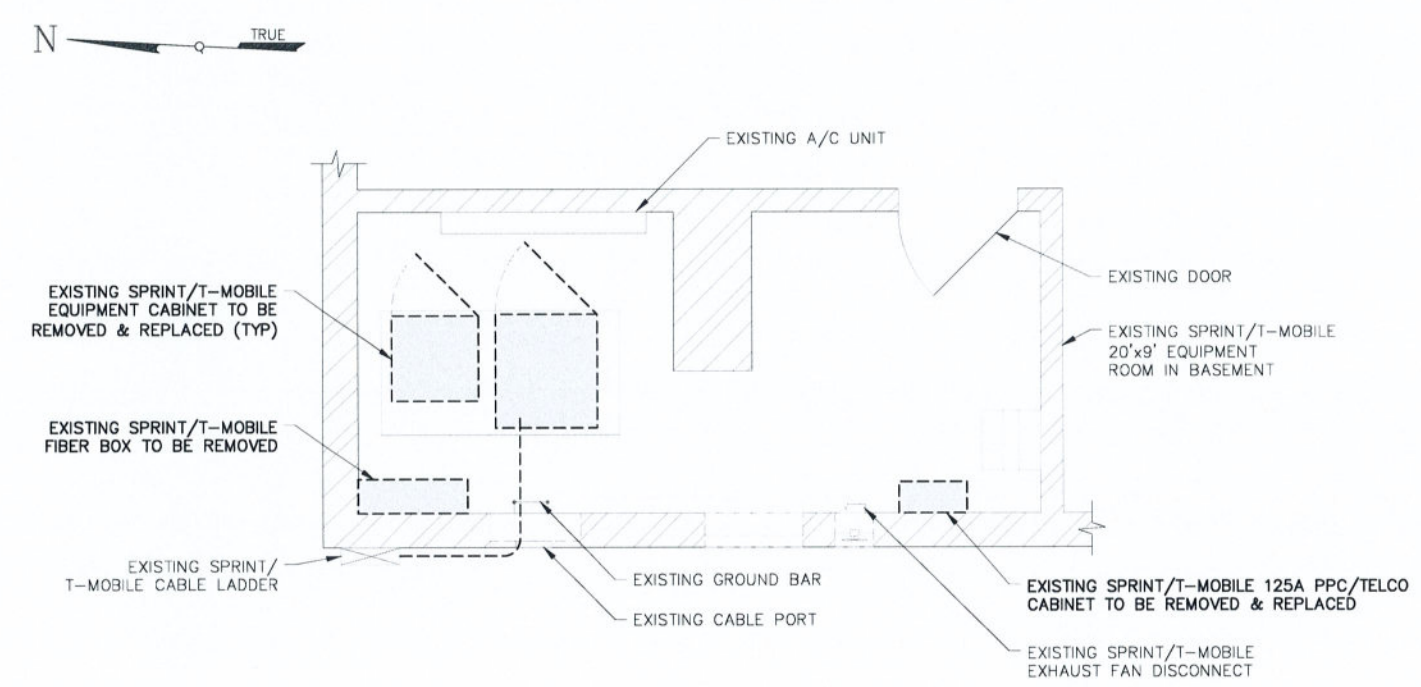
CONFIGURATION  
67E5A998E 6160  
REFER TO LATEST T-MOBILE RF DATA SHEET FOR FINAL RF DESIGN & BOM

GN-1





1  
A-2A  
EXISTING GROUND EQUIPMENT LAYOUT PLAN  
SCALE: 1" = 3' (22x34 SIZE)  
1" = 6' (11x17 SIZE)



2  
A-2A  
EXISTING EQUIPMENT ROOM LAYOUT PLAN  
SCALE: 3/8" = 1' (22x34 SIZE)  
3/4" = 1' (11x17 SIZE)



Sprint T-Mobile  
103 MONARCH DRIVE  
LIVERPOOL, NY 13085

**Tectonic**  
PRACTICAL SOLUTIONS. EXCEPTIONAL SERVICE.  
Tectonic Engineering Consultants, Design & Land Surveyors, S.P.C.  
70 Pleasant Hill Road Phone: (845) 534-3858  
P.O. Box 37 Phone: (800) 829-8331  
Mountaintop, NY 10953 www.tectonicengineering.com  
Project Contact info:  
38 British American Blvd. Phone: (518) 783-1830  
Suite 101  
Letchworth, NY 12110

WORK ORDER NUMBER	10666.017	DRAWN BY	MQ
NO.	DATE	ISSUE	
0	2/19/21	FOR COMMENT	
1	3/16/21	PER COMMENTS	
2	4/27/21	FOR CONSTRUCTION	
3	05/04/21	FOR CONSTRUCTION	
4	06/16/21	FOR ZONING	
5	08/12/21	PER COMMENTS	
6	08/18/21	UPDATED RFDS	
7	9/2/21	FOR CONSTRUCTION	

RELEASED BY \_\_\_\_\_ DATE \_\_\_\_\_



UNAUTHORIZED ALTERATION OR ADDITIONS TO A PLAN BEARING THE SEAL OF A LICENSED ENGINEER OR LAND SURVEYOR IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.  
COPIES OF THIS DOCUMENT WITHOUT A FACSIMILE OF THE SIGNATURE AND AN ORIGINAL EMBOSSED SEAL OR ORIGINAL STAMP IN BLUE OR RED INK OF THE PROFESSIONAL ENGINEER OR LAND SURVEYOR SHALL NOT BE CONSIDERED VALID COPIES.  
0 1 2 3  
ORIGINAL SIZE IN INCHES

SITE INFORMATION  
UP30704A  
BELLVUE APARTMENT BLDG  
SY73XC031

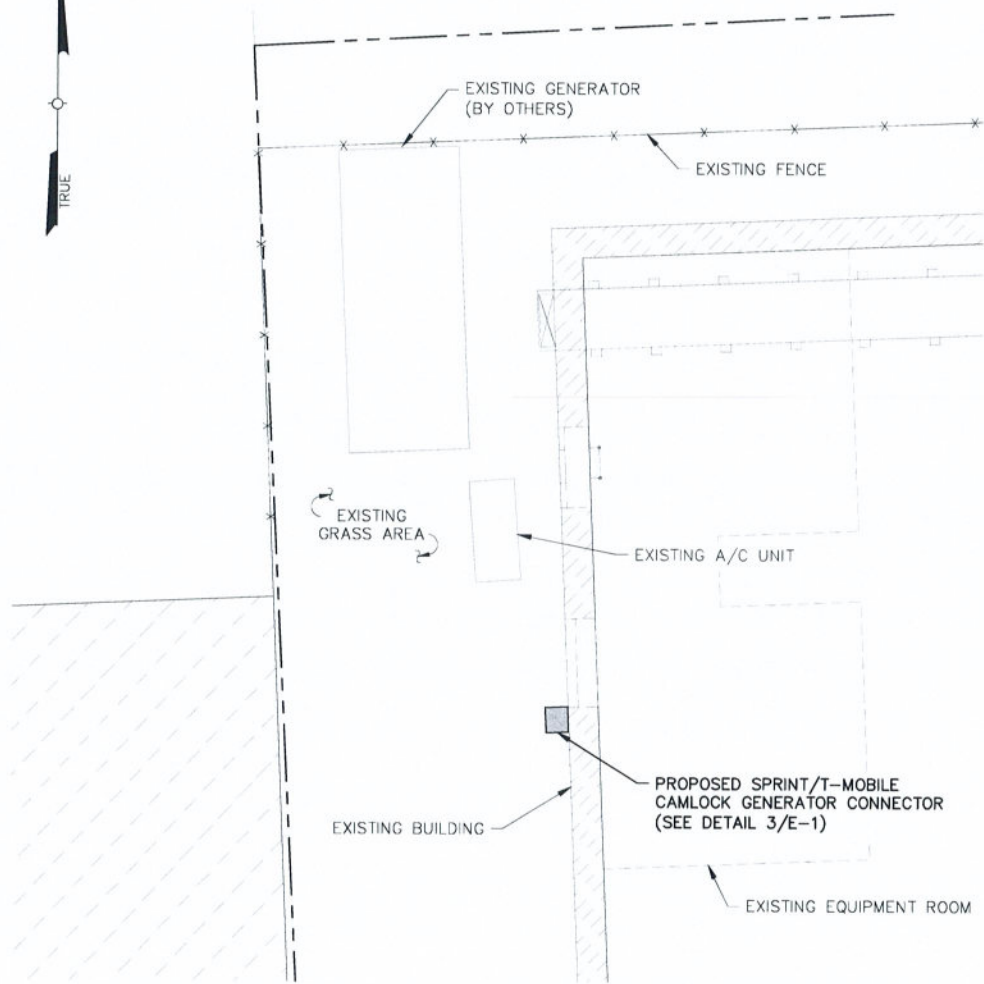
SITE ADDRESS  
1000 BELLEVUE AVE  
CITY OF SYRACUSE  
ONONDAGA COUNTY  
NY 13204

SHEET TITLE  
EXISTING EQUIPMENT  
LAYOUT PLANS

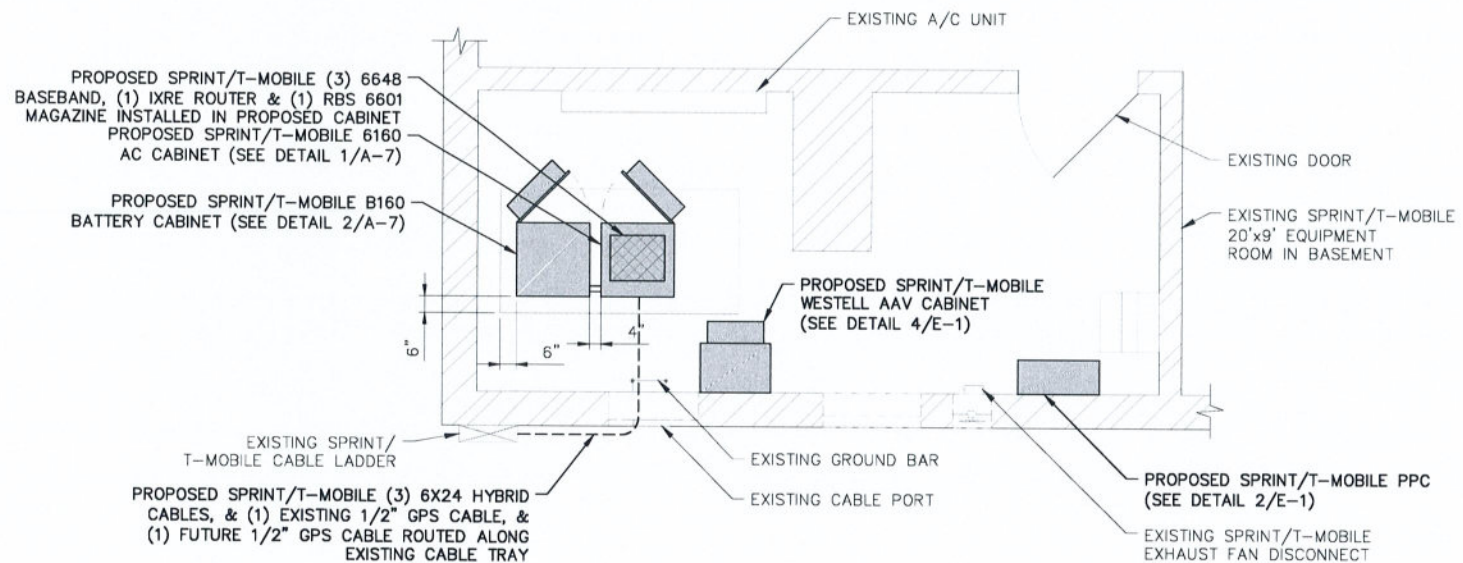
SHEET NUMBER  
**A-2A**

CONFIGURATION  
67E5A998E 6160  
REFER TO LATEST T-MOBILE RF DATA  
SHEET FOR FINAL RF DESIGN & BOM





1 PROPOSED GROUND EQUIPMENT LAYOUT PLAN  
 A-2B SCALE: 1" = 3' (22x34 SIZE)  
 1" = 6' (11x17 SIZE)



2 PROPOSED EQUIPMENT ROOM LAYOUT PLAN  
 A-2B SCALE: 3/8" = 1' (22x34 SIZE)  
 3/4" = 1' (11x17 SIZE)



103 MONARCH DRIVE  
 LIVERPOOL, NY 13088



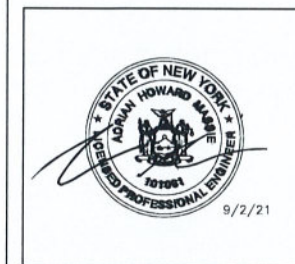
Tectonic Engineering Consultants, Geologists & Land Surveyors, D.P.C.  
 70 Pleasant Hill Road Phone: (845) 534-5959  
 P.O. Box 37 (800) 828-6537  
 Mountville, NY 10953 www.tectonicengineering.com

Project Contact: Joe  
 38 British American Blvd.  
 Suite 101  
 Latham, NY 12110 Phone: (518) 783-1630

WORK ORDER NUMBER 10666.017 DRAWN BY MQ

NO.	DATE	ISSUE
0	2/19/21	FOR COMMENT
1	3/16/21	PER COMMENTS
2	4/27/21	FOR CONSTRUCTION
3	05/04/21	FOR CONSTRUCTION
4	06/16/21	FOR ZONING
5	08/12/21	PER COMMENTS
6	08/18/21	UPDATED RFDS
7	9/2/21	FOR CONSTRUCTION

RELEASED BY DATE



UNAUTHORIZED ALTERATION OR ADDITIONS TO A PLAN BEARING THE SEAL OF A LICENSED ENGINEER OR LAND SURVEYOR IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

COPIES OF THIS DOCUMENT WITHOUT A FACSIMILE OF THE SIGNATURE AND AN ORIGINAL EMBOSSED SEAL OR ORIGINAL STAMP IN BLUE OR RED INK OF THE PROFESSIONAL ENGINEER OR LAND SURVEYOR SHALL NOT BE CONSIDERED VALID COPIES.



ORIGINAL SIZE IN INCHES

SITE INFORMATION  
 UP30704A  
 BELLVUE APARTMENT BLDG  
 SY73XC031

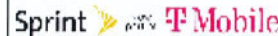
SITE ADDRESS  
 1000 BELLEVUE AVE  
 CITY OF SYRACUSE  
 ONONDAGA COUNTY  
 NY 13204

SHEET TITLE  
 PROPOSED EQUIPMENT  
 LAYOUT PLANS

SHEET NUMBER  
 A-2B

CONFIGURATION  
 67E5A998E 6160  
 REFER TO LATEST T-MOBILE RF DATA SHEET FOR FINAL RF DESIGN & BOM





103 MONARCH DRIVE  
LIVERPOOL, NY 13088



Tectonic Engineering Consultants, Geologists & Land Surveyors, D.P.C.  
20 Pleasant Hill Road Phone: (845) 534-5858  
P.O. Box 37 (800) 829-8531  
Mountville, NY 10953 www.tectonicengineering.com

Project Contact Info  
38 British American Blvd.  
Suite 101  
Latham, NY 12110 Phone: (518) 783-1630

WORK ORDER NUMBER 10666.017 DRAWN BY MQ

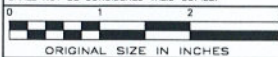
NO.	DATE	ISSUE
0	2/19/21	FOR COMMENT
1	3/16/21	PER COMMENTS
2	4/27/21	FOR CONSTRUCTION
3	05/04/21	FOR CONSTRUCTION
4	06/16/21	FOR ZONING
5	08/12/21	PER COMMENTS
6	08/18/21	UPDATED RFDS
7	9/2/21	FOR CONSTRUCTION

RELEASED BY DATE



UNAUTHORIZED ALTERATION OR ADDITIONS TO A PLAN BEARING THE SEAL OF A LICENSED ENGINEER OR LAND SURVEYOR IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

COPIES OF THIS DOCUMENT WITHOUT A FACSIMILE OF THE SIGNATURE AND AN ORIGINAL EMBOSSED SEAL OR ORIGINAL STAMP IN BLUE OR RED INK OF THE PROFESSIONAL ENGINEER OR LAND SURVEYOR SHALL NOT BE CONSIDERED VALID COPIES.



ORIGINAL SIZE IN INCHES

SITE INFORMATION

UP30704A  
BELLVUE APARTMENT BLDG  
SY73XC031

SITE ADDRESS

1000 BELLEVUE AVE  
CITY OF SYRACUSE  
ONONDAGA COUNTY  
NY 13204

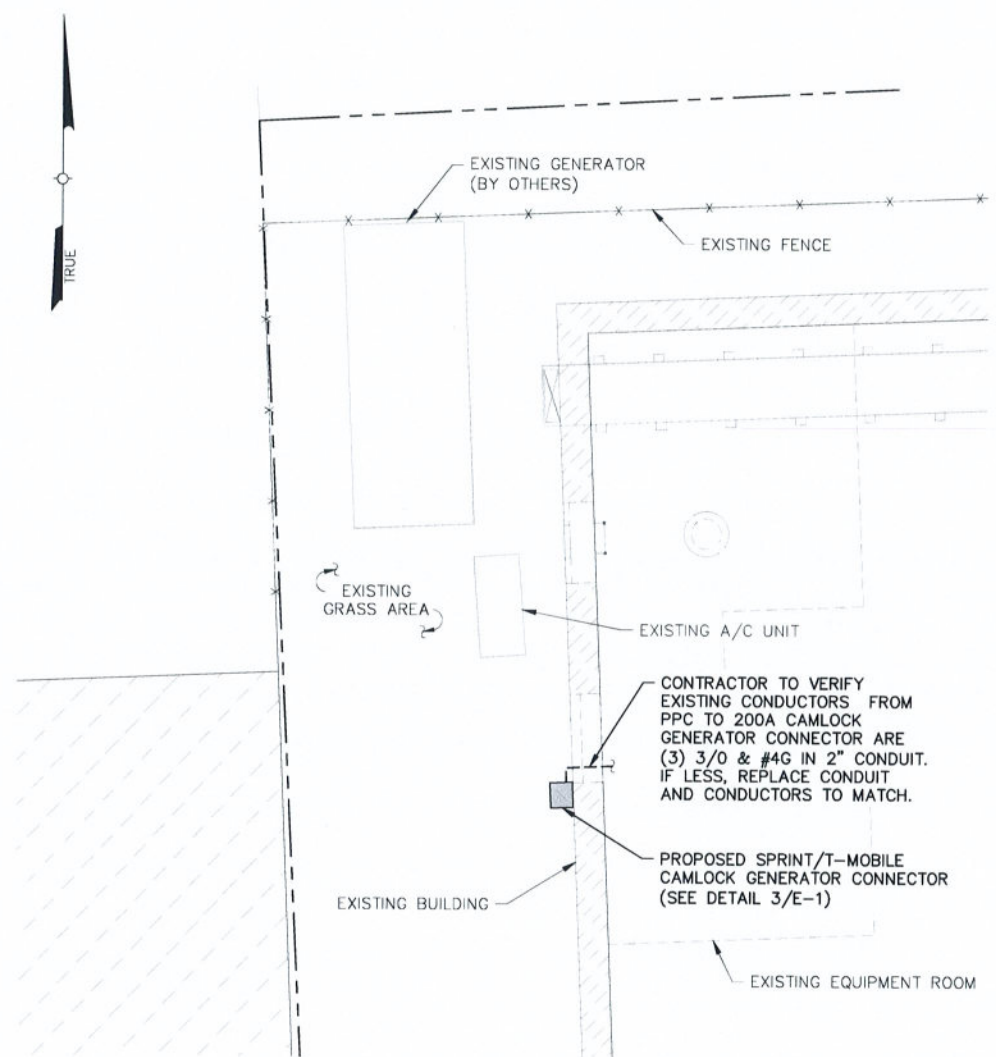
SHEET TITLE

PROPOSED CONDUIT  
LAYOUT PLANS

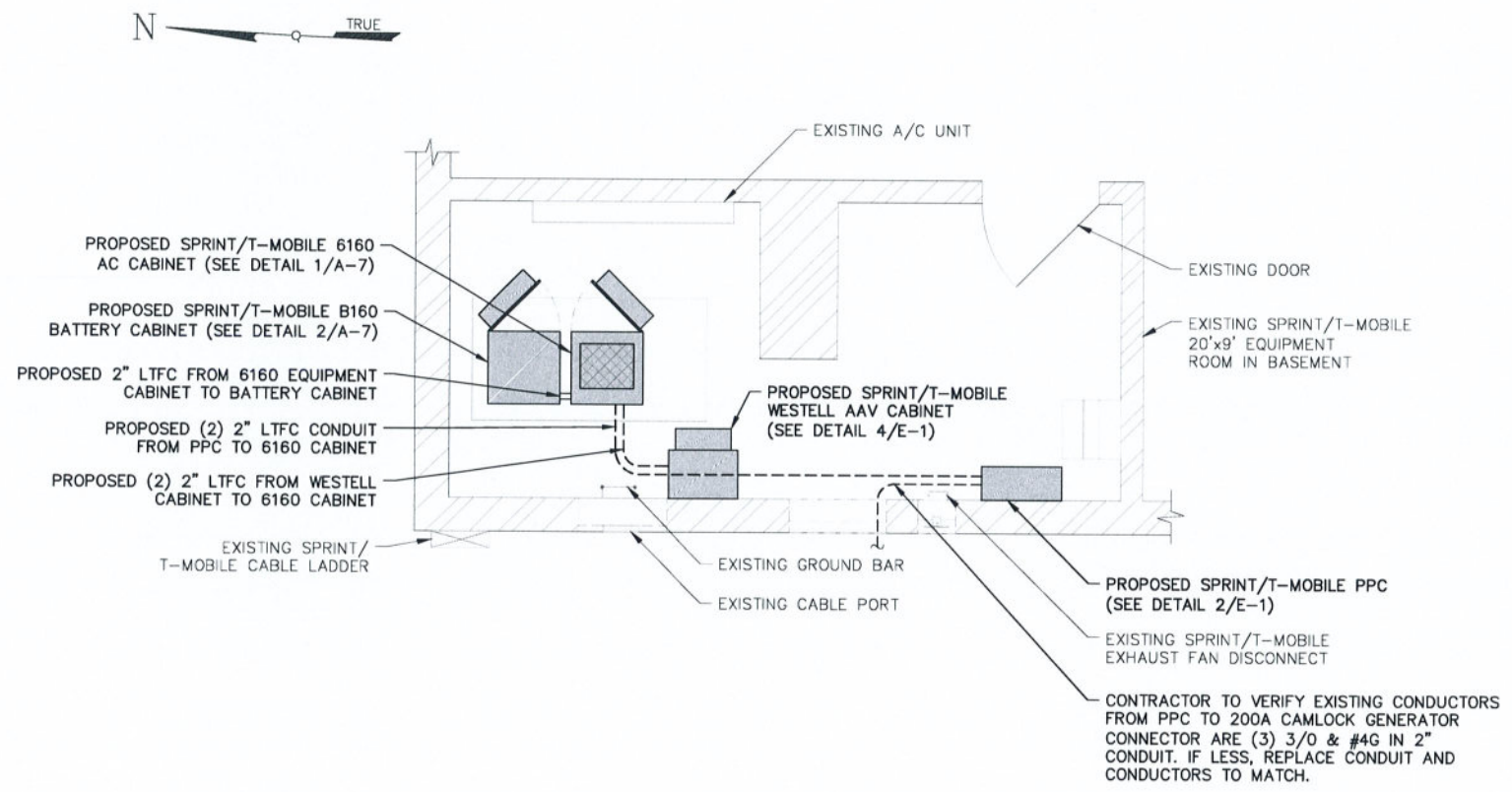
SHEET NUMBER

A-2C

CONFIGURATION  
**67E5A998E 6160**  
REFER TO LATEST T-MOBILE RF DATA SHEET FOR FINAL RF DESIGN & BOM



1 PROPOSED GROUND EQUIPMENT CONDUIT LAYOUT PLAN  
A-2C SCALE: 1" = 3' (22x34 SIZE)  
1" = 6' (11x17 SIZE)



2 PROPOSED EQUIPMENT ROOM CONDUIT LAYOUT PLAN  
A-2C SCALE: 3/8" = 1' (22x34 SIZE)  
3/4" = 1' (11x17 SIZE)



- ☉ TOP OF PROPOSED ANTENNAS/ HIGHEST POINT OF BUILDING 49'-0"± AGL
- ☉ TOP OF EXISTING PENTHOUSE 46'-10"± AGL
- ☉ PROPOSED SPRINT/ T-MOBILE ANTENNAS 45'-0"± AGL

EXISTING PENTHOUSE

EXISTING CHIMNEY ON RAISED CURB

PROPOSED SPRINT/T-MOBILE APXVAALL24\_43-U-NA20 ANTENNA (1/SECTOR-3 TOTAL) (SEE DETAILS 1 & 4/A-6)

PROPOSED SPRINT/T-MOBILE AIR6449 B41 (1/SECTOR-3 TOTAL) (SEE DETAILS 2 & 4/A-6)

PROPOSED SPRINT/T-MOBILE HBXX 6517DS-A2M ANTENNA (SEE DETAILS 3 & 4/A-6) (1/SECTOR-3 TOTAL)

EXISTING ANTENNA (TYP) (BY OTHERS)

EXISTING BUILDING

PROPOSED SPRINT/T-MOBILE (3) 6x24 HYBRID CABLES, (1) EXISTING 1/2" GPS CABLE, & (1) FUTURE GPS CABLE ROUTED WITHIN EXISTING CABLE TRAY. CONTRACTOR TO REMOVE (3) EXISTING CABLES

EXISTING BASEMENT EQUIPMENT ROOM

EXISTING GRADE 0'-0"± AGL

1 WEST ELEVATION  
A-3  
SCALE: 1" = 5' (22x34 SIZE)  
1" = 10' (11x17 SIZE)

CONFIGURATION  
67E5A998E 6160  
REFER TO LATEST T-MOBILE RF DATA SHEET FOR FINAL RF DESIGN & BOM



103 MONARCH DRIVE  
LIVERPOOL, NY 13088



Tectonic Engineering Consultants, Geologists & Land Surveyors, D.P.C.  
70 Pleasant Hill Road Phone: (845) 534-3959  
P.O. Box 37 (800) 829-8331  
Mountville, NY 10953 www.tectonicengineering.com

Project Contact Info  
25 British American Blvd.  
Suite 101  
Lithonia, NY 12110 Phone: (518) 783-1830

WORK ORDER NUMBER 10666.017 DRAWN BY MQ

NO.	DATE	ISSUE
0	2/19/21	FOR COMMENT
1	3/16/21	PER COMMENTS
2	4/27/21	FOR CONSTRUCTION
3	05/04/21	FOR CONSTRUCTION
4	06/16/21	FOR ZONING
5	08/12/21	PER COMMENTS
6	08/18/21	UPDATED RFDS
7	9/2/21	FOR CONSTRUCTION

RELEASED BY DATE



UNAUTHORIZED ALTERATION OR ADDITIONS TO A PLAN BEARING THE SEAL OF A LICENSED ENGINEER OR LAND SURVEYOR IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

COPIES OF THIS DOCUMENT WITHOUT A FACSIMILE OF THE SIGNATURE AND AN ORIGINAL EMBOSSED SEAL OR ORIGINAL STAMP IN BLUE OR RED INK OF THE PROFESSIONAL ENGINEER OR LAND SURVEYOR SHALL NOT BE CONSIDERED VALID COPIES.



ORIGINAL SIZE IN INCHES

SITE INFORMATION  
UP30704A  
BELLVUE APARTMENT BLDG  
SY73XC031

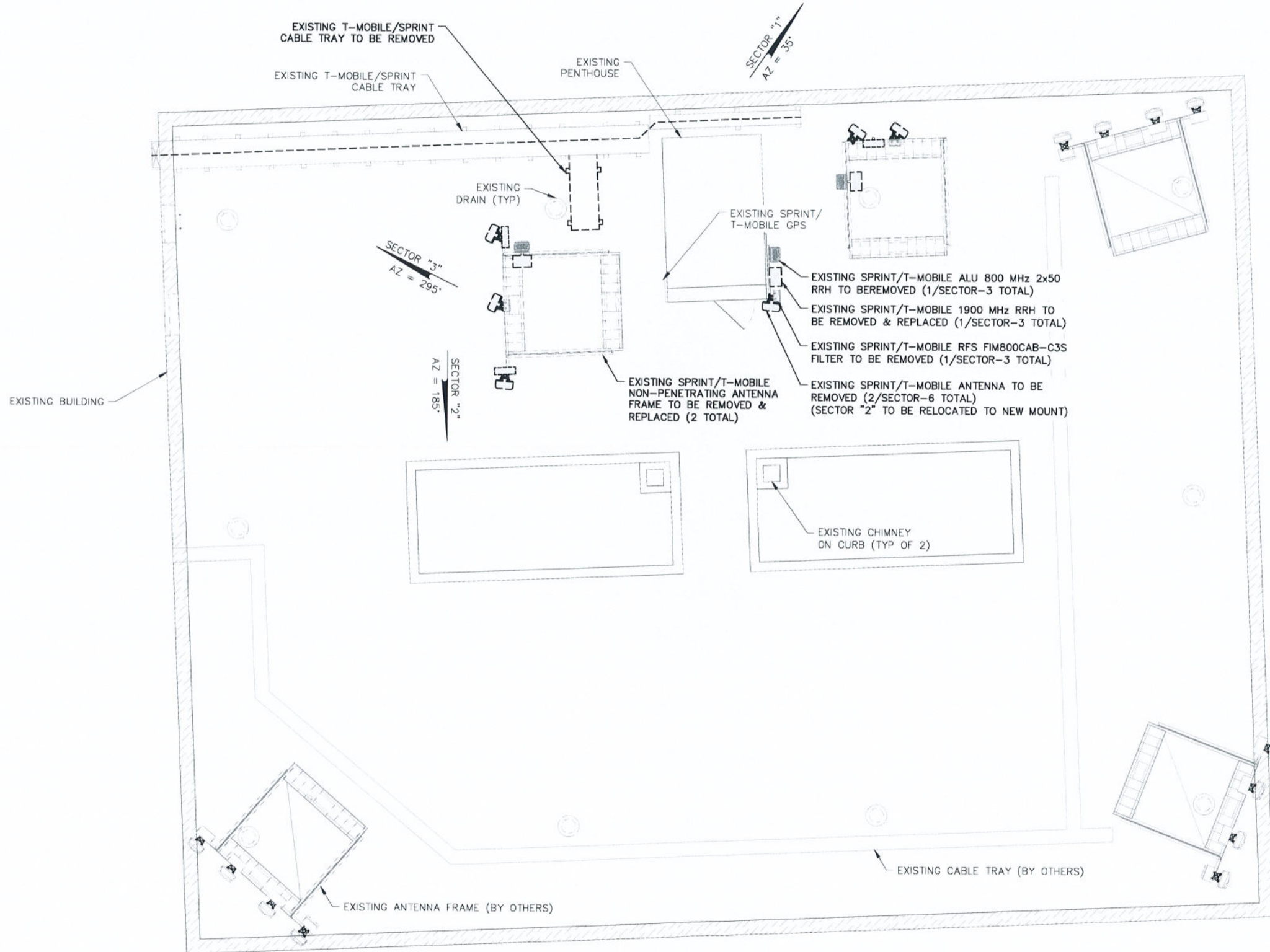
SITE ADDRESS  
1000 BELLEVUE AVE  
CITY OF SYRACUSE  
ONONDAGA COUNTY  
NY 13204

SHEET TITLE  
ELEVATION

SHEET NUMBER  
A-3



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



1 EXISTING ANTENNA PLAN  
A-4A  
SCALE: 1" = 4' (22x34 SIZE)  
1" = 8' (11x17 SIZE)

CONFIGURATION  
67E5A998E 6160  
REFER TO LATEST T-MOBILE RF DATA SHEET FOR FINAL RF DESIGN & BOM



103 MONARCH DRIVE  
LIVERPOOL, NY 13088

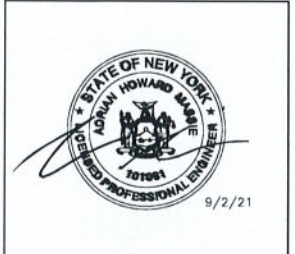


Tectonic Engineering Consultants, Geologists & Land Surveyors, D.P.C.  
70 Pleasant Hill Road Phone: (518) 534-5859  
P.O. Box 37 (800) 829-8531  
Mount Pleasant, NY 10953 www.tectonicengineering.com  
Project Contact info:  
25 British American Blvd.  
Suite 101  
Lithium, NY 12110 Phone: (518) 783-1830

WORK ORDER NUMBER	DRAWN BY
10666.017	MQ

NO.	DATE	ISSUE
0	2/19/21	FOR COMMENT
1	3/16/21	PER COMMENTS
2	4/27/21	FOR CONSTRUCTION
3	05/04/21	FOR CONSTRUCTION
4	06/16/21	FOR ZONING
5	08/12/21	PER COMMENTS
6	08/18/21	UPDATED RFDS
7	9/2/21	FOR CONSTRUCTION

RELEASED BY	DATE



UNAUTHORIZED ALTERATION OR ADDITIONS TO A PLAN BEARING THE SEAL OF A LICENSED ENGINEER OR LAND SURVEYOR IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

COPIES OF THIS DOCUMENT WITHOUT A FACSIMILE OF THE SIGNATURE AND AN ORIGINAL EMBOSSED SEAL OR ORIGINAL STAMP IN BLUE OR RED INK OF THE PROFESSIONAL ENGINEER OR LAND SURVEYOR SHALL NOT BE CONSIDERED VALID COPIES.



ORIGINAL SIZE IN INCHES  
SITE INFORMATION  
UP30704A  
BELLVUE APARTMENT BLDG  
SY73XC031

SITE ADDRESS  
1000 BELLEVUE AVE  
CITY OF SYRACUSE  
ONONDAGA COUNTY  
NY 13204

SHEET TITLE  
EXISTING ANTENNA  
LAYOUT PLANS

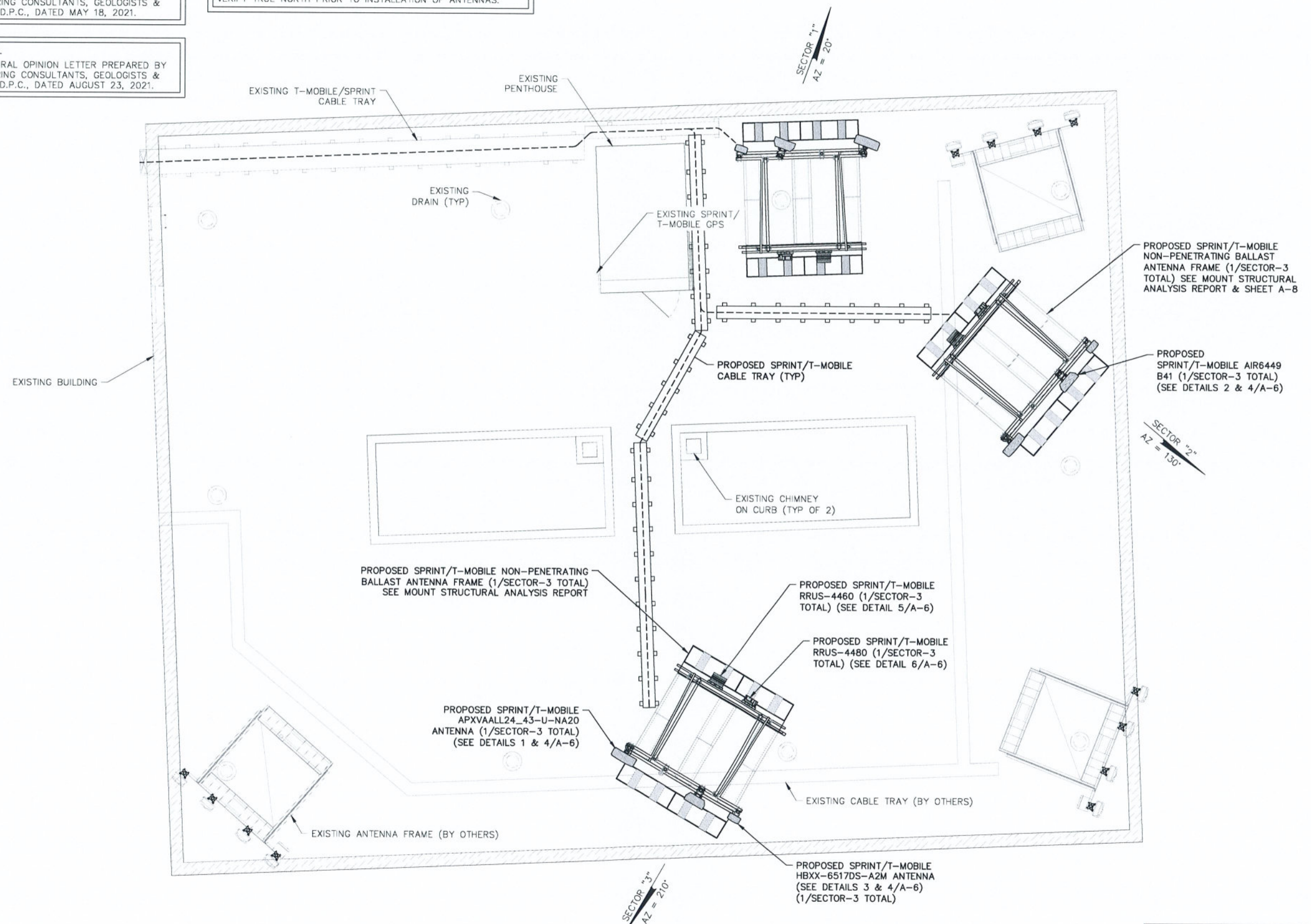
SHEET NUMBER  
A-4A



**STRUCTURAL NOTE:**  
REFER TO MOUNT ANALYSIS REPORT PREPARED BY TECTONIC ENGINEERING CONSULTANTS, GEOLOGISTS & LAND SURVEYORS, D.P.C., DATED MAY 18, 2021.

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

**STRUCTURAL NOTE:**  
REFER TO STRUCTURAL OPINION LETTER PREPARED BY TECTONIC ENGINEERING CONSULTANTS, GEOLOGISTS & LAND SURVEYORS, D.P.C., DATED AUGUST 23, 2021.

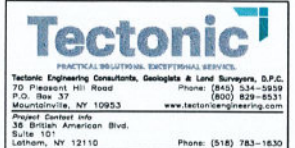


**1**  
**A-4B**  
**PROPOSED ANTENNA PLAN**  
SCALE: 1" = 4' (22x34 SIZE)  
1" = 8' (11x17 SIZE)

CONFIGURATION  
**67E5A998E 6160**  
REFER TO LATEST T-MOBILE RF DATA SHEET FOR FINAL RF DESIGN & BOM



103 MONARCH DRIVE  
LIVERPOOL, NY 13055



WORK ORDER NUMBER		DRAWN BY	
10666.017		MQ	
NO.	DATE	ISSUE	
0	2/19/21	FOR COMMENT	
1	3/16/21	PER COMMENTS	
2	4/27/21	FOR CONSTRUCTION	
3	05/04/21	FOR CONSTRUCTION	
4	06/16/21	FOR ZONING	
5	08/12/21	PER COMMENTS	
6	08/18/21	UPDATED RFDS	
7	9/2/21	FOR CONSTRUCTION	

RELEASED BY \_\_\_\_\_ DATE \_\_\_\_\_



UNAUTHORIZED ALTERATION OR ADDITIONS TO A PLAN BEARING THE SEAL OF A LICENSED ENGINEER OR LAND SURVEYOR IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

COPIES OF THIS DOCUMENT WITHOUT A FACSIMILE OF THE SIGNATURE AND AN ORIGINAL EMBOSSED SEAL OR ORIGINAL STAMP IN BLUE OR RED INK OF THE PROFESSIONAL ENGINEER OR LAND SURVEYOR SHALL NOT BE CONSIDERED VALID COPIES.

**SITE INFORMATION**  
UP30704A  
BELLVUE APARTMENT BLDG  
SY73XC031

**SITE ADDRESS**  
1000 BELLEVUE AVE  
CITY OF SYRACUSE  
ONONDAGA COUNTY  
NY 13204

**SHEET TITLE**  
PROPOSED ANTENNA  
LAYOUT PLANS

**SHEET NUMBER**

**A-4B**



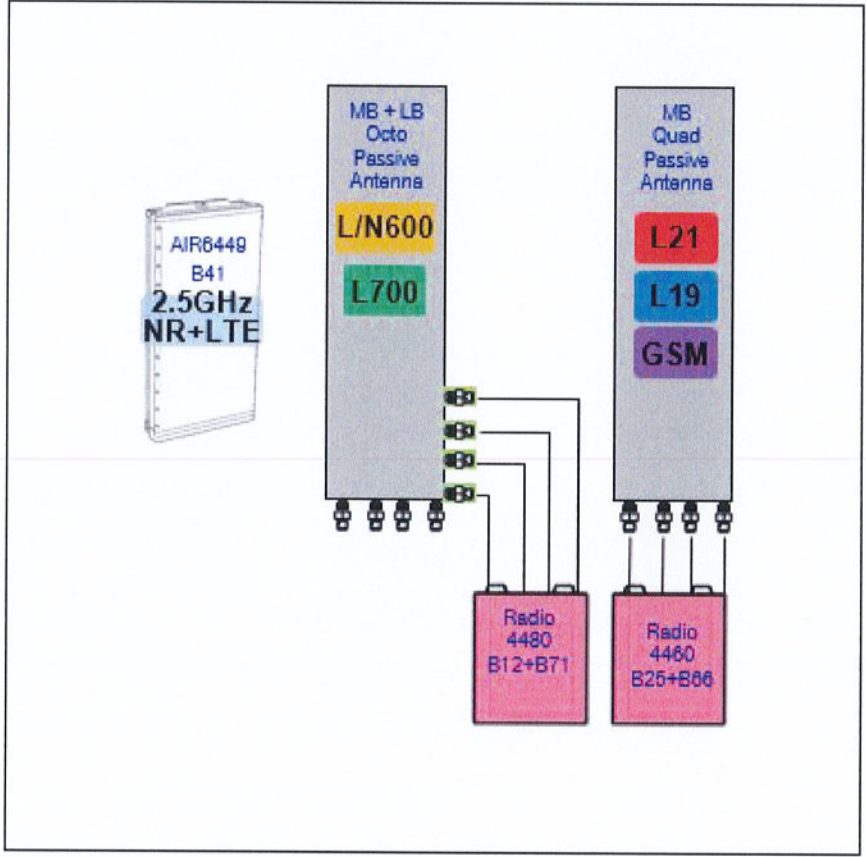
**ANTENNA AND CABLE SCHEDULE**

SECTOR MARK	SECTOR	STATUS	ANTENNA DATA	MECH DOWN TILT	ELECTRICAL DOWN TILT	AZIMUTH (TRUE NORTH)	ANTENNA & HEIGHT (AGL)	DIPLEXER /FILTER/ RRU	CABLE	JUMPER TYPE	CABLE LENGTH
1-1	"1" LEFT	PROPOSED	COMMSCOPE HBXX-6517DS-A2M 75.0" x 12.0" x 6.5", 40.8 LBS	0'	2',2',2',2'	20'	45'	0/0/0	PROPOSED SHARED 6x24 4AWG HYBRID FIBER TRUNK	DC FIBER	125'±
1-2	"1" MIDDLE-LEFT	PROPOSED	ERICSSON AIR6449 B41 33.1" x 20.6" x 8.6", 104 LBS	0'	2',2'	20'	45'	0/0/0	SHARED 6x24 4AWG HYBRID TRUNK	DC FIBER	-
1-3	"1" RIGHT	PROPOSED	RFS APXVAALL24_43-U-NA20 95.9" x 24" x 8.5", 143.3 LBS	0'	4',4',2',2'	20'	45'	1/1/3	PROPOSED JUMPERS FROM RRUS & DIPLEXER	DC FIBER	12'±/12'±
2-1	"2" LEFT	PROPOSED	COMMSCOPE HBXX-6517DS-A2M 75.0" x 12.0" x 6.5", 40.8 LBS	0'	2',2',2',2'	130'	45'	0/0/0	PROPOSED SHARED 6x24 4AWG HYBRID FIBER TRUNK	DC FIBER	150'±
2-2	"2" MIDDLE-LEFT	PROPOSED	ERICSSON AIR6449 B41 33.1" x 20.6" x 8.6", 104 LBS	0'	2',2'	130'	45'	0/0/0	SHARED 6x24 4AWG HYBRID TRUNK	DC FIBER	-
2-3	"2" RIGHT	PROPOSED	RFS APXVAALL24_43-U-NA20 95.9" x 24" x 8.5", 143.3 LBS	0'	4',4',2',2'	130'	45'	1/1/3	PROPOSED JUMPERS FROM RRUS & DIPLEXER	DC FIBER	12'±/12'±
3-1	"3" LEFT	PROPOSED	COMMSCOPE HBXX-6517DS-A2M 75.0" x 12.0" x 6.5", 40.8 LBS	0'	2',2',2',2'	210'	45'	0/0/0	PROPOSED SHARED 6x24 4AWG HYBRID FIBER TRUNK	DC FIBER	165'±
3-2	"3" MIDDLE-LEFT	PROPOSED	ERICSSON AIR6449 B41 33.1" x 20.6" x 8.6", 104 LBS	0'	2',2'	210'	45'	0/0/0	SHARED 6x24 4AWG HYBRID TRUNK	DC FIBER	-
3-3	"3" RIGHT	PROPOSED	RFS APXVAALL24_43-U-NA20 95.9" x 24" x 8.5", 143.3 LBS	0'	4',4',2',2'	210'	45'	1/1/3	PROPOSED JUMPERS FROM RRUS & DIPLEXER	DC FIBER	12'±/12'±

**NOTE:**  
 • INFORMATION BASED ON T-MOBILE RFDS VERSION R1, DATED 08/17/2021.

**RRH/RADIO EQUIPMENT AND HYBRID SCHEDULE**

SECTOR	STATUS	UNITS	UNIT DATA	# OF UNITS	CABLE TYPE	# OF CABLES	CABLE LENGTH
1	PROPOSED	RRUS-4480	19.6" x 15.7" x 12.1", 109 LBS	1	PROPOSED 6x24 4AWG HYBRID TRUNK	1	125'±
1	PROPOSED	RRUS 4460	14.95" x 13.19" x 9.25", 75 LBS	1	SHARED 6x24 4AWG HYBRID TRUNK	-	-
2	PROPOSED	RRUS-4480	19.6" x 15.7" x 12.1", 109 LBS	1	PROPOSED 6x24 4AWG HYBRID TRUNK	1	150'±
2	PROPOSED	RRUS 4460	14.95" x 13.19" x 9.25", 75 LBS	1	SHARED 6x24 4AWG HYBRID TRUNK	-	-
3	PROPOSED	RRUS-4480	19.6" x 15.7" x 12.1", 109 LBS	1	PROPOSED 6x24 4AWG HYBRID TRUNK	1	165'±
3	PROPOSED	RRUS 4460	14.95" x 13.19" x 9.25", 75 LBS	1	SHARED 6x24 4AWG HYBRID TRUNK	-	-



**PLUMBING DIAGRAM**  
 SCALE: NTS (22x34 SIZE)  
 NTS (11x17 SIZE)



103 MONARCH DRIVE  
LIVERPOOL, NY 13088

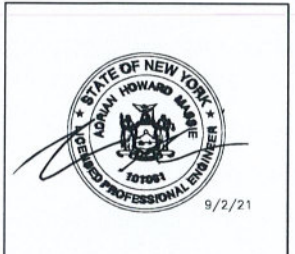


Tectonic Engineering Consultants, Geologists & Land Surveyors, P.C.  
 75 Pleasant Hill Road Phone: (518) 534-9959  
 P.O. Box 37 Mount Pleasant, NY 12953 (800) 829-8551  
 www.tectonicengineering.com  
 Project Contact Info  
 30 Bridge American Blvd.  
 Suite 101  
 Latham, NY 12110 Phone: (518) 783-1830

WORK ORDER NUMBER: 10666.017  
 DRAWN BY: MQ

NO.	DATE	ISSUE
0	2/19/21	FOR COMMENT
1	3/16/21	PER COMMENTS
2	4/27/21	FOR CONSTRUCTION
3	05/04/21	FOR CONSTRUCTION
4	06/16/21	FOR ZONING
5	08/12/21	PER COMMENTS
6	08/18/21	UPDATED RFDS
7	9/2/21	FOR CONSTRUCTION

RELEASED BY: \_\_\_\_\_ DATE: \_\_\_\_\_



UNAUTHORIZED ALTERATION OR ADDITIONS TO A PLAN BEARING THE SEAL OF A LICENSED ENGINEER OR LAND SURVEYOR IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.  
 COPIES OF THIS DOCUMENT WITHOUT A FACSIMILE OF THE SIGNATURE AND AN ORIGINAL EMBOSSED SEAL OR ORIGINAL STAMP IN BLUE OR RED INK OF THE PROFESSIONAL ENGINEER OR LAND SURVEYOR SHALL NOT BE CONSIDERED VALID COPIES.

0 1 2 3  
 ORIGINAL SIZE IN INCHES

**SITE INFORMATION**  
 UP30704A  
 BELLVUE APARTMENT BLDG  
 SY73XC031

**SITE ADDRESS**  
 1000 BELLEVUE AVE  
 CITY OF SYRACUSE  
 ONONDAGA COUNTY  
 NY 13204

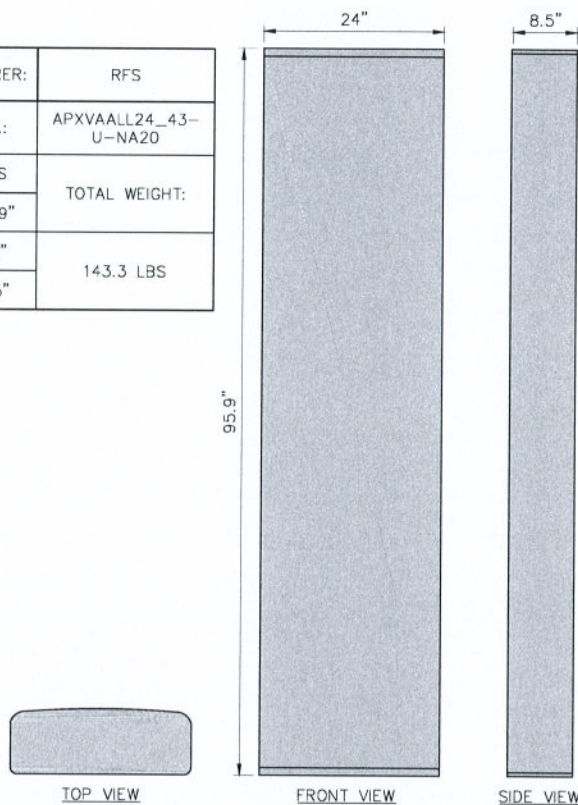
**SHEET TITLE**  
 ANTENNA &  
 HYBRID SCHEDULE

**SHEET NUMBER**  
 A-5

**CONFIGURATION**  
 67E5A998E 6160  
 REFER TO LATEST T-MOBILE RF DATA SHEET FOR FINAL RF DESIGN & BOM

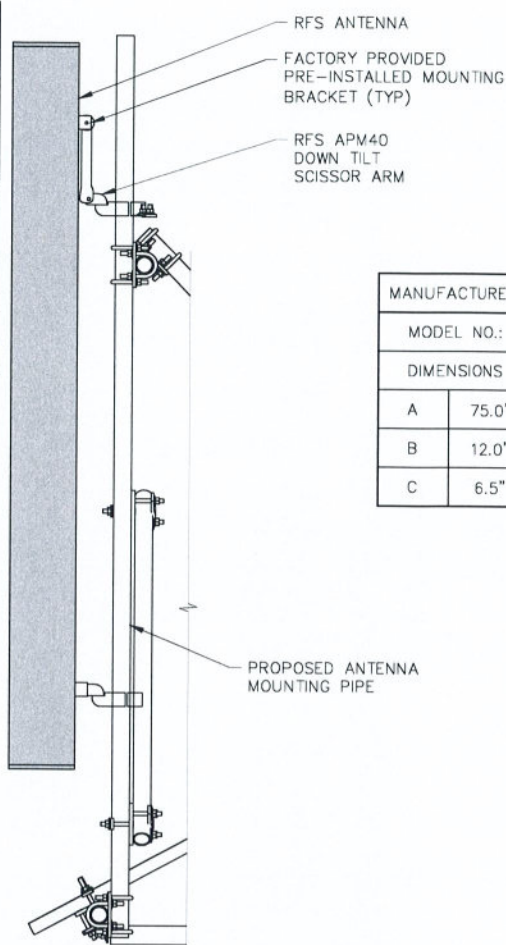


MANUFACTURER:		RFS
MODEL NO.:		APXVAALL24_43-U-NA20
DIMENSIONS		TOTAL WEIGHT:
A	95.9"	143.3 LBS
B	24"	
C	8.5"	



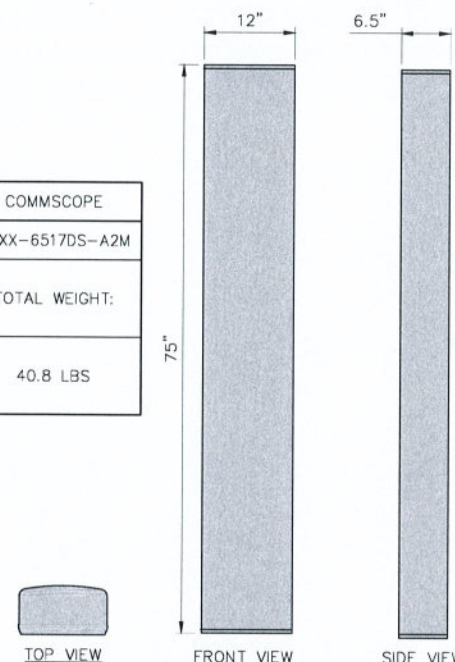
1 ANTENNA DETAIL  
SCALE: 1" = 1'-0" (22x34 SIZE)  
2" = 1'-0" (11x17 SIZE)

MANUFACTURER:		RADIO FREQUENCY SYSTEMS
MODEL NO.:		APM40
TOTAL WEIGHT:		±2.8 LBS
MAXIMUM TORQUE		
M6	3.5 Nm (2.5 FT.LBS)	
M12	40 Nm (29.5 FT.LBS)	



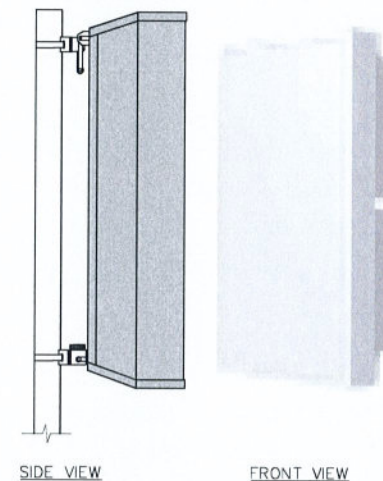
2 MOUNTING DETAIL  
SCALE: NTS

MANUFACTURER:		COMMSCOPE
MODEL NO.:		HBXX-6517DS-A2M
DIMENSIONS		TOTAL WEIGHT:
A	75.0"	40.8 LBS
B	12.0"	
C	6.5"	



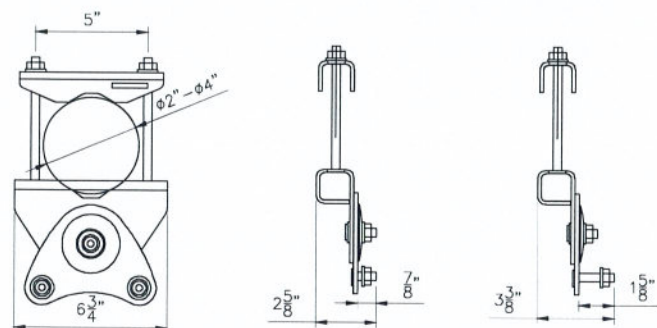
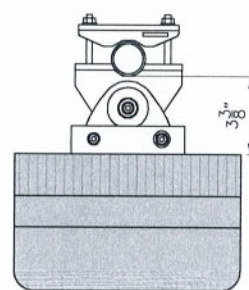
3 ANTENNA DETAIL  
SCALE: 1" = 1'-0" (22x34 SIZE)  
2" = 1'-0" (11x17 SIZE)

MANUFACTURER:		ERICSSON
MODEL NO.:		AIR6449 B41
DIMENSIONS		TOTAL WEIGHT:
LENGTH	33.1"	104 LBS
WIDTH	20.6"	
HEIGHT	8.6"	



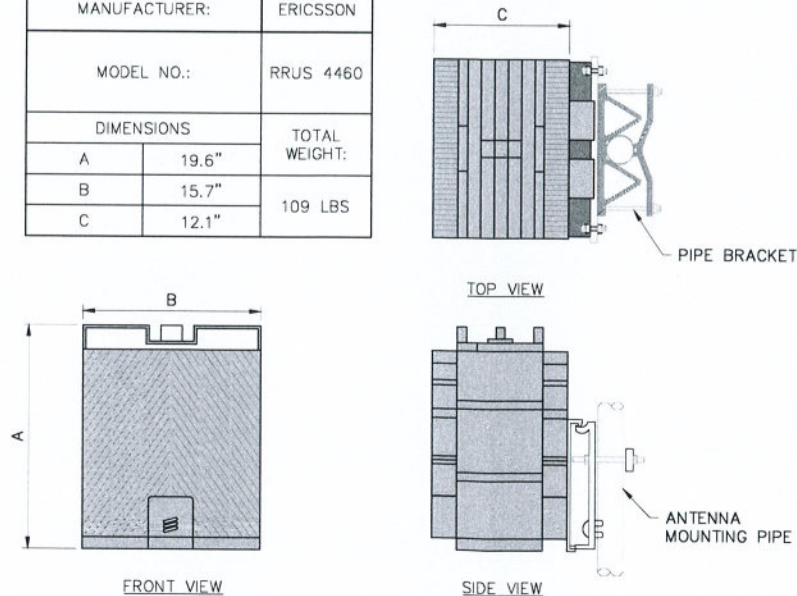
4 ANTENNA DETAIL  
SCALE: 1-1/2" = 1'-0" (22x34 SIZE)  
2" = 1'-0" (11x17 SIZE)

MANUFACTURER:		ERICSSON
MODEL NO.:		85010070
SUITABLE MAST DIAMETER:		2.16" - 4.53"
ANTENNA - MAST DISTANCE:		5.04" - 5.2"
NUMBER OF PIECES:		2 CLAMPS
MATERIAL:		HOT DIPPED GALV. STAINLESS STEEL
TOTAL WEIGHT:		9.48 LBS



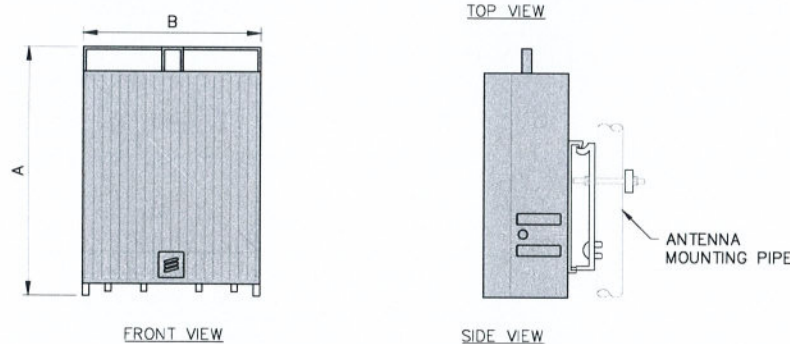
5 ANTENNA MOUNTING DETAIL  
SCALE: 3" = 1'-0" (22x34 SIZE)  
6" = 1'-0" (11x17 SIZE)

MANUFACTURER:		ERICSSON
MODEL NO.:		RRUS 4460
DIMENSIONS		TOTAL WEIGHT:
A	19.6"	109 LBS
B	15.7"	
C	12.1"	

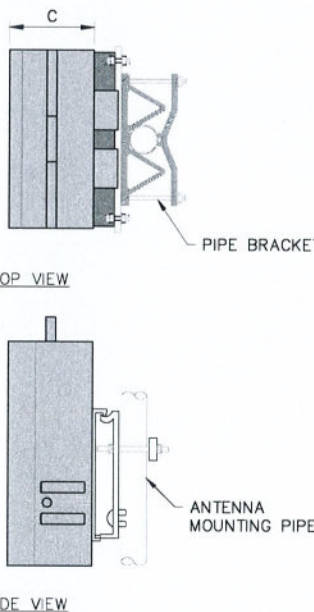


6 RRUS-4460 DETAIL  
SCALE: 1-1/2" = 1'-0" (22x34 SIZE)  
3" = 1'-0" (11x17 SIZE)

MANUFACTURER:		ERICSSON
MODEL NO.:		RRUS 4480
DIMENSIONS		TOTAL WEIGHT:
A	22.0"	81 LBS
B	15.7"	
C	7.5"	



7 RRUS-4480 DETAIL  
SCALE: 1-1/2" = 1'-0" (22x34 SIZE)  
3" = 1'-0" (11x17 SIZE)



CONFIGURATION
67E5A998E 6160
REFER TO LATEST T-MOBILE RF DATA SHEET FOR FINAL RF DESIGN & BOM



Sprint **BY T-Mobile**

103 MONARCH DRIVE  
LIVERPOOL, NY 13088

**Tectonic**  
PRACTICAL SOLUTIONS. EXCEPTIONAL SERVICE.  
Tectonic Engineering Consultants, Geologists & Land Surveyors, D.P.C.  
70 Pleasant Hill Road Phone: (518) 331-1858  
P.O. Box 37 (800) 829-8531  
Mountaintop, NY 10953 www.tectonicec.com

WORK ORDER NUMBER		DRAWN BY	
10666.017		MQ	
NO.	DATE	ISSUE	
0	2/19/21	FOR COMMENT	
1	3/16/21	PER COMMENTS	
2	4/27/21	FOR CONSTRUCTION	
3	05/04/21	FOR CONSTRUCTION	
4	06/16/21	FOR ZONING	
5	08/12/21	PER COMMENTS	
6	08/18/21	UPDATED RFDS	
7	9/2/21	FOR CONSTRUCTION	

RELEASED BY	DATE

STATE OF NEW YORK  
ADRIAN HOWARD MASTRI  
LICENSED PROFESSIONAL ENGINEER  
9/2/21

UNAUTHORIZED ALTERATION OR ADDITIONS TO A PLAN BEARING THE SEAL OF A LICENSED ENGINEER OR LAND SURVEYOR IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.  
COPIES OF THIS DOCUMENT WITHOUT A FACSIMILE OF THE SIGNATURE AND AN ORIGINAL EMBOSSED SEAL OR ORIGINAL STAMP IN BLUE OR RED INK OF THE PROFESSIONAL ENGINEER OR LAND SURVEYOR SHALL NOT BE CONSIDERED VALID COPIES.

ORIGINAL SIZE IN INCHES

SITE INFORMATION

UP30704A  
BELLVUE APARTMENT BLDG  
SY73XC031

SITE ADDRESS

1000 BELLEVUE AVE  
CITY OF SYRACUSE  
ONONDAGA COUNTY  
NY 13204

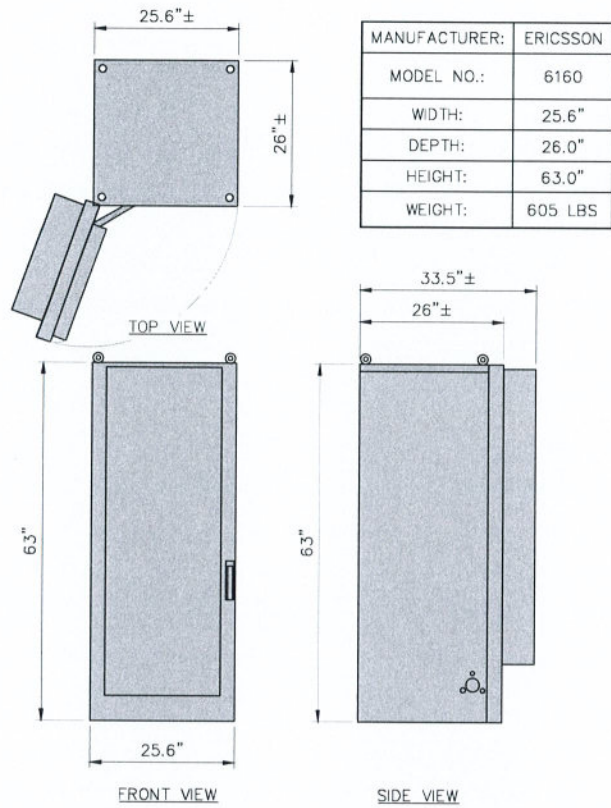
SHEET TITLE

DETAILS

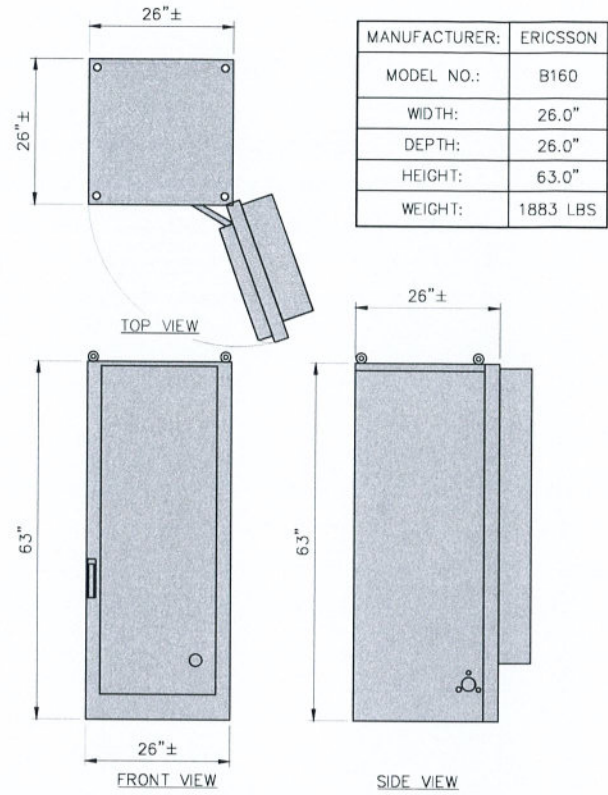
SHEET NUMBER

A-6

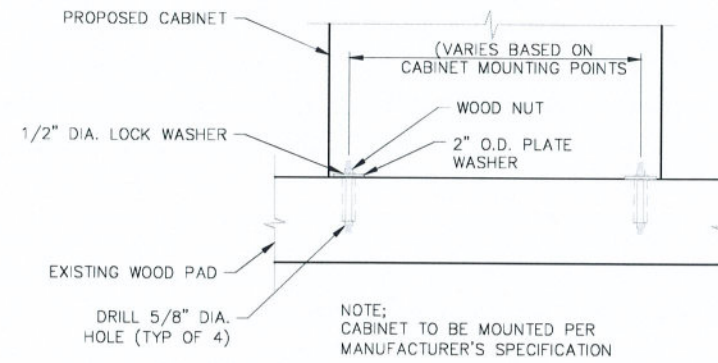




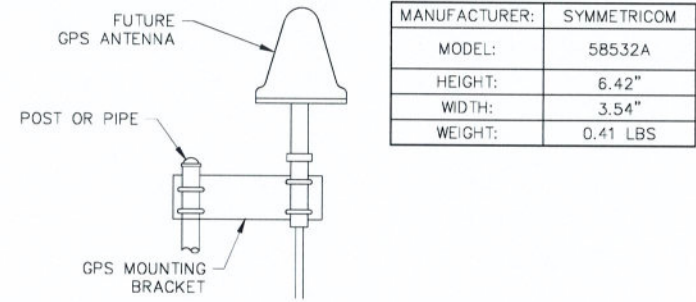
1 ENCLOSURE 6160 (OUTDOOR)  
SCALE: NTS



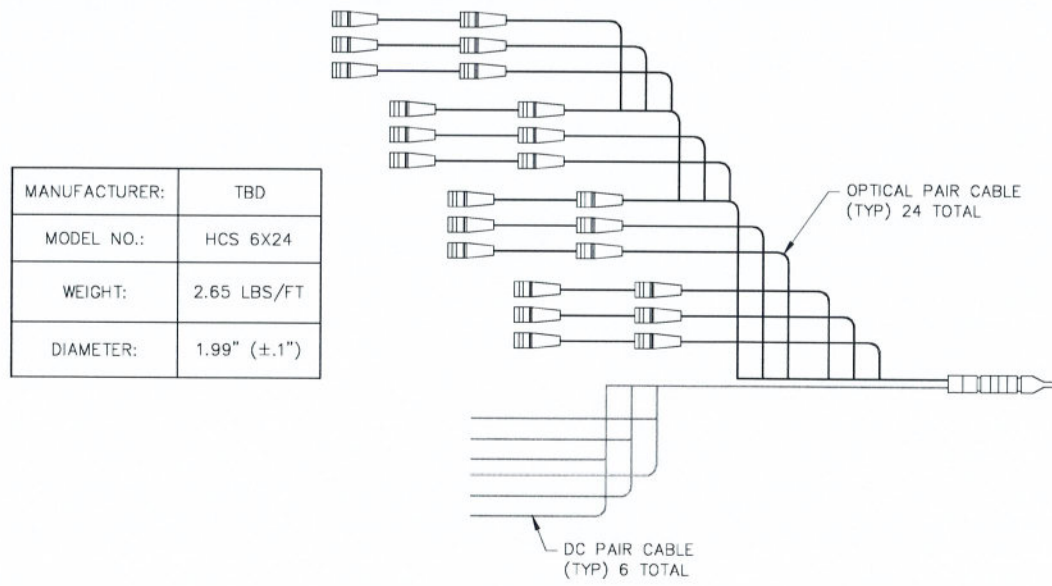
2 ENCLOSURE B160 (OUTDOOR)  
SCALE: NTS



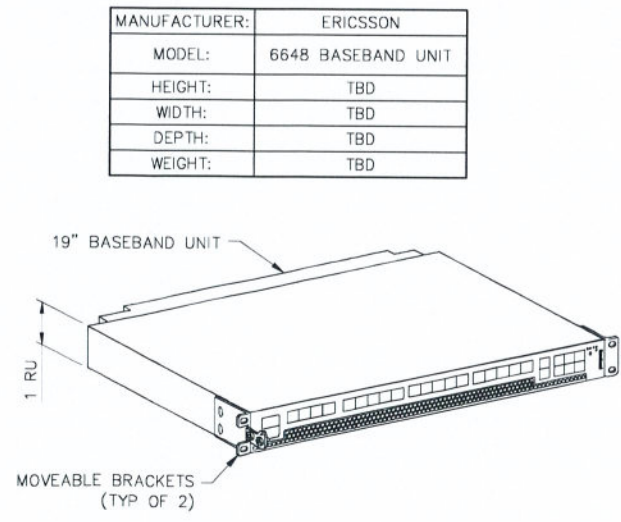
3 CABINET MOUNTING DETAIL  
SCALE: NTS



4 GPS ANTENNA MOUNTING DETAIL  
SCALE: NTS



5 6x24 HYBRID CABLE DETAIL  
SCALE: NTS



6 6648 BASEBAND UNIT DETAIL  
SCALE: NTS

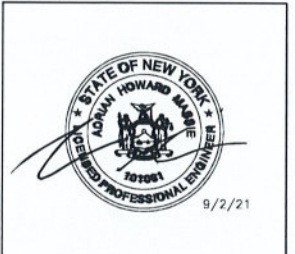


103 MONARCH DRIVE  
LIVERPOOL, NY 13085



WORK ORDER NUMBER	10666.017	DRAWN BY	MQ
NO.	DATE	ISSUE	
0	2/19/21	FOR COMMENT	
1	3/16/21	PER COMMENTS	
2	4/27/21	FOR CONSTRUCTION	
3	05/04/21	FOR CONSTRUCTION	
4	06/16/21	FOR ZONING	
5	08/12/21	PER COMMENTS	
6	08/18/21	UPDATED RFDS	
7	9/2/21	FOR CONSTRUCTION	

RELEASED BY: \_\_\_\_\_ DATE: \_\_\_\_\_



UNAUTHORIZED ALTERATION OR ADDITIONS TO A PLAN BEARING THE SEAL OF A LICENSED ENGINEER OR LAND SURVEYOR IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.  
COPIES OF THIS DOCUMENT WITHOUT A FACSIMILE OF THE SIGNATURE AND AN ORIGINAL EMBOSSED SEAL OR ORIGINAL STAMP IN BLUE OR RED INK OF THE PROFESSIONAL ENGINEER OR LAND SURVEYOR SHALL NOT BE CONSIDERED VALID COPIES.

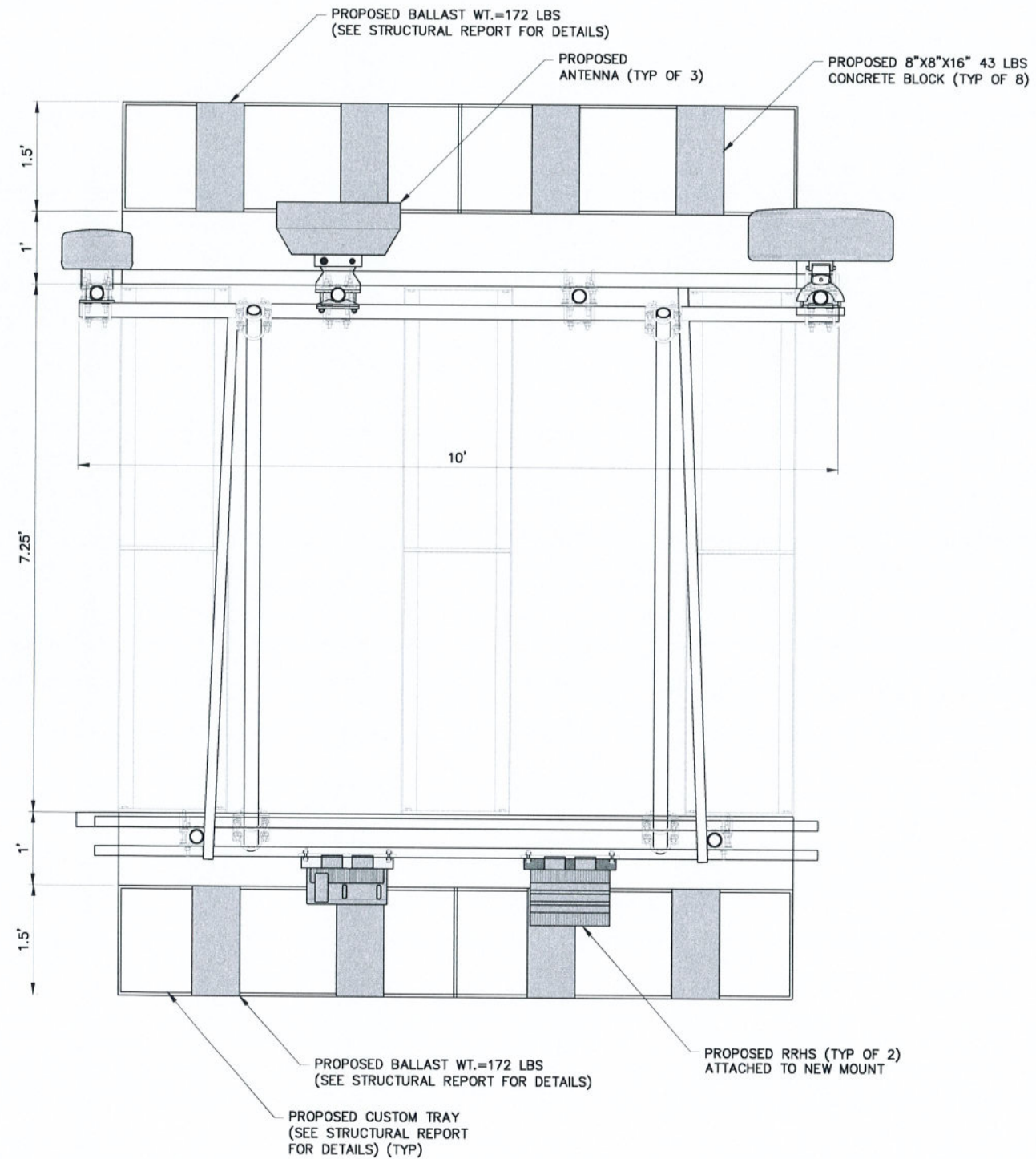
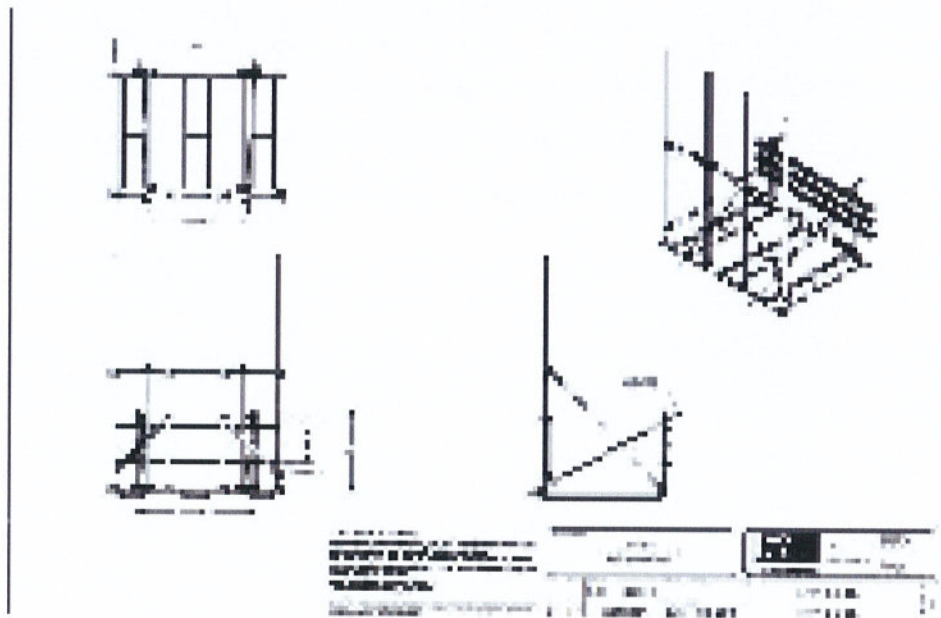
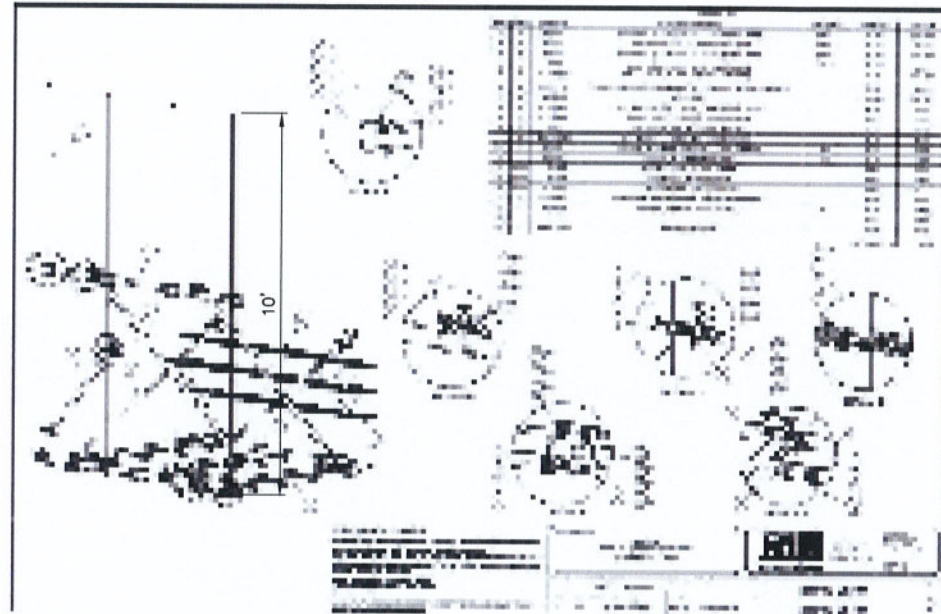
ORIGINAL SIZE IN INCHES  
SITE INFORMATION  
UP30704A  
BELLVUE APARTMENT BLDG  
SY73XC031  
SITE ADDRESS  
1000 BELLEVUE AVE  
CITY OF SYRACUSE  
ONONDAGA COUNTY  
NY 13204

SHEET TITLE  
DETAILS  
SHEET NUMBER

CONFIGURATION  
67E5A998E 6160  
REFER TO LATEST T-MOBILE RF DATA SHEET FOR FINAL RF DESIGN & BOM

A-7





1 MOUNT DETAILS (RTP10-3RRU)  
A-B SCALE: NTS

CONFIGURATION  
67E5A998E 6160  
REFER TO LATEST T-MOBILE RF DATA  
SHEET FOR FINAL RF DESIGN & BOM



103 MONARCH DRIVE  
LIVERPOOL, NY 13085



PRactical Structural, Exceptional Services.  
Tectonic Engineering Consultants, Geologists & Land Surveyors, P.C.  
70 Pleasant Hill Road Phone: (845) 534-0959  
P.O. Box 37 (800) 829-6531  
Mountville, NY 10953 www.tectoniceng.com  
Practical Contact Info:  
36 British American Blvd.  
Suite 101  
Lithonia, NY 12110 Phone: (518) 783-1630

WORK ORDER NUMBER	DRAWN BY	
10666.017	MQ	
NO.	DATE	ISSUE
0	2/19/21	FOR COMMENT
1	3/16/21	PER COMMENTS
2	4/27/21	FOR CONSTRUCTION
3	05/04/21	FOR CONSTRUCTION
4	06/16/21	FOR ZONING
5	08/12/21	PER COMMENTS
6	08/18/21	UPDATED RFDS
7	9/2/21	FOR CONSTRUCTION

RELEASED BY \_\_\_\_\_ DATE \_\_\_\_\_



UNAUTHORIZED ALTERATION OR ADDITIONS TO A PLAN BEARING THE SEAL OF A LICENSED ENGINEER OR LAND SURVEYOR IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

COPIES OF THIS DOCUMENT WITHOUT A FACSIMILE OF THE SIGNATURE AND AN ORIGINAL EMBOSSED SEAL OR ORIGINAL STAMP IN BLUE OR RED INK OF THE PROFESSIONAL ENGINEER OR LAND SURVEYOR SHALL NOT BE CONSIDERED VALID COPIES.



ORIGINAL SIZE IN INCHES

SITE INFORMATION  
UP30704A  
BELLVUE APARTMENT BLDG  
SY73XC031

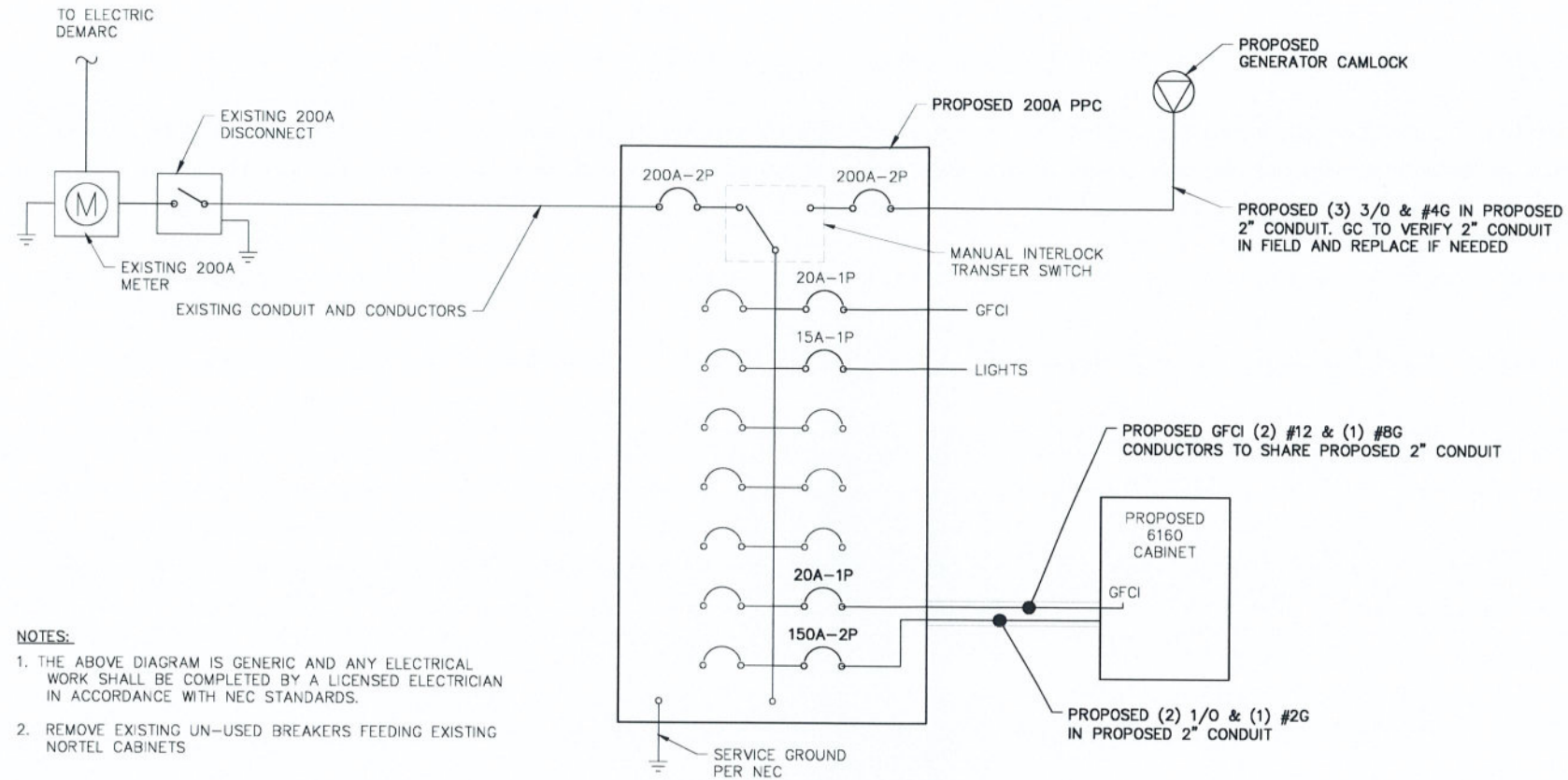
SITE ADDRESS  
1000 BELLEVUE AVE  
CITY OF SYRACUSE  
ONONDAGA COUNTY  
NY 13204

SHEET TITLE  
MOUNT DETAILS

SHEET NUMBER

A-8





- NOTES:**
1. THE ABOVE DIAGRAM IS GENERIC AND ANY ELECTRICAL WORK SHALL BE COMPLETED BY A LICENSED ELECTRICIAN IN ACCORDANCE WITH NEC STANDARDS.
  2. REMOVE EXISTING UN-USED BREAKERS FEEDING EXISTING NORTEL CABINETS

**1**  
E-1  
**ONE-LINE POWER DIAGRAM**  
SCALE: NTS

Series Number	Product Configuration*
EGC-1P	10, 11, 12, 13 and 6
EGC-1P-CBL	10, 11, 12, 13 and 6 with Deutsch connector and 20' CBL
EGC-3P	10, 11, 12, 13, 14, 15 and 6
EGC-3P-CBL	10, 11, 12, 13, 14, 15 and 6 with Deutsch connector and 20' CBL

\*All parts listed include main Cam Lok-style connectors. See also UL 1000 Transfer Switch Power Unit Standard listed for use on 120/240 V up to 200 amp installations.

General Data	General Data (con't)	Cam Lok-Style Connectors
<p>Enclosure dimensions (H x W x D) 23 x 10 x 9.5 inches</p> <p>Weight 15 lbs (approx.)</p> <p>Enclosure • 16 Type 30 aluminum enclosure • 3000 Series pin hinges, black powder coated • Dead front panel protects utility gen set wiring connectors (pictured below)</p>	<p>Power cast asset UL 694, 7915, light grey</p> <p>Door • Pad included • Ships with opening, may open to the right by moving hinges to the opposite side of cabinet (pictured below)</p> <p>UL UL 1008, 5th ed. or current • Single phase, rated 240/120, 200 A, 10 kA short circuit • Three phase, rated 208/120, 200 amp, 10 kA short circuit</p>	<p>Type Rite Electrical</p> <p>• 10' Extra Cam Lok-style, 180° twist offset adapter installation • Complies to NEC • Rated up to 400 A, 208/120 V • May be used for 240/120 single phase applications • Terminal acceptance: - Plug: 209 A, 40 to 400 AWG - Neoprene: 209 A, 40 to 400 AWG • Solid brass machined connectors • Color coded: Green - Ground White - Neutral Black - Line 1 Red - Line 2 Blue - Line 3</p>



Manufacturer's warranty  
5 years

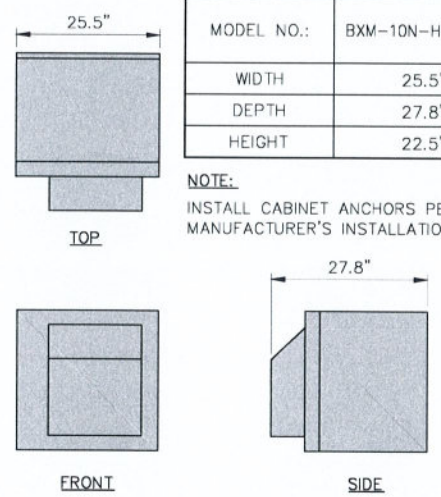
**Intersect, Inc.**

PO Box 753 - Liberty Lake WA 99019 - USA  
Phone: 509.255.9510 - Fax: 509.255.9524  
www.intersectinc.com

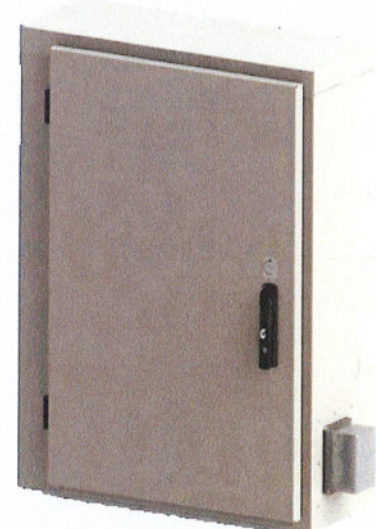
© Intersect, Inc. 2017. All rights reserved.

MANUFACTURER:	WESTELL
MODEL NO.:	BXM-10N-HE3-20A
WIDTH	25.5"
DEPTH	27.8"
HEIGHT	22.5"

**NOTE:**  
INSTALL CABINET ANCHORS PER MANUFACTURER'S INSTALLATION GUIDELINES



**4**  
E-1  
**WESTELL BOX DETAIL**  
SCALE: NTS



MANUFACTURER:	PURCELL SYSTEMS
MODEL NO.:	2000004422
WIDTH	28.8"
HEIGHT	36.1"
DEPTH	12.2"

**2**  
E-1  
**PROPOSED PPC CABINET**  
SCALE: NTS

**3**  
E-1  
**CAMLOCK GEN CONNECTOR SPECIFICATIONS**  
SCALE: NTS

CONFIGURATION	67E5A998E 6160
REFER TO LATEST T-MOBILE RF DATA SHEET FOR FINAL RF DESIGN & BOM	



103 MONARCH DRIVE  
LIVERPOOL, NY 13085

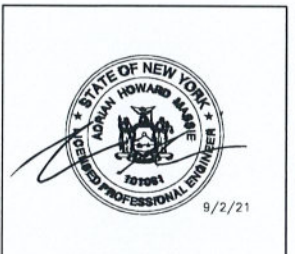


Tectonic Engineering Consultants, Geologists & Land Surveyors, D.P.C.  
72 Pleasant Hill Road Phone: (518) 534-5818  
P.O. Box 37 (800) 829-8531  
Mountville, NY 10953 www.tectonicengineering.com

WORK ORDER NUMBER	10666.017	DRAWN BY	MQ
-------------------	-----------	----------	----

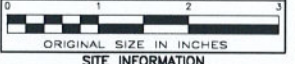
NO.	DATE	ISSUE
0	2/19/21	FOR COMMENT
1	3/16/21	PER COMMENTS
2	4/27/21	FOR CONSTRUCTION
3	05/04/21	FOR CONSTRUCTION
4	06/16/21	FOR ZONING
5	08/12/21	PER COMMENTS
6	08/18/21	UPDATED RFDS
7	9/2/21	FOR CONSTRUCTION

RELEASED BY	DATE
-------------	------



UNAUTHORIZED ALTERATION OR ADDITIONS TO A PLAN BEARING THE SEAL OF A LICENSED ENGINEER OR LAND SURVEYOR IS A VIOLATION OF SECTION 2209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

COPIES OF THIS DOCUMENT WITHOUT A FACSIMILE OF THE SIGNATURE AND AN ORIGINAL EMBOSSED SEAL OR ORIGINAL STAMP IN BLUE OR RED INK OF THE PROFESSIONAL ENGINEER OR LAND SURVEYOR SHALL NOT BE CONSIDERED VALID COPIES.



ORIGINAL SIZE IN INCHES  
**SITE INFORMATION**  
UP30704A  
BELLVUE APARTMENT BLDG  
SY73XC031

**SITE ADDRESS**  
1000 BELLEVUE AVE  
CITY OF SYRACUSE  
ONONDAGA COUNTY  
NY 13204

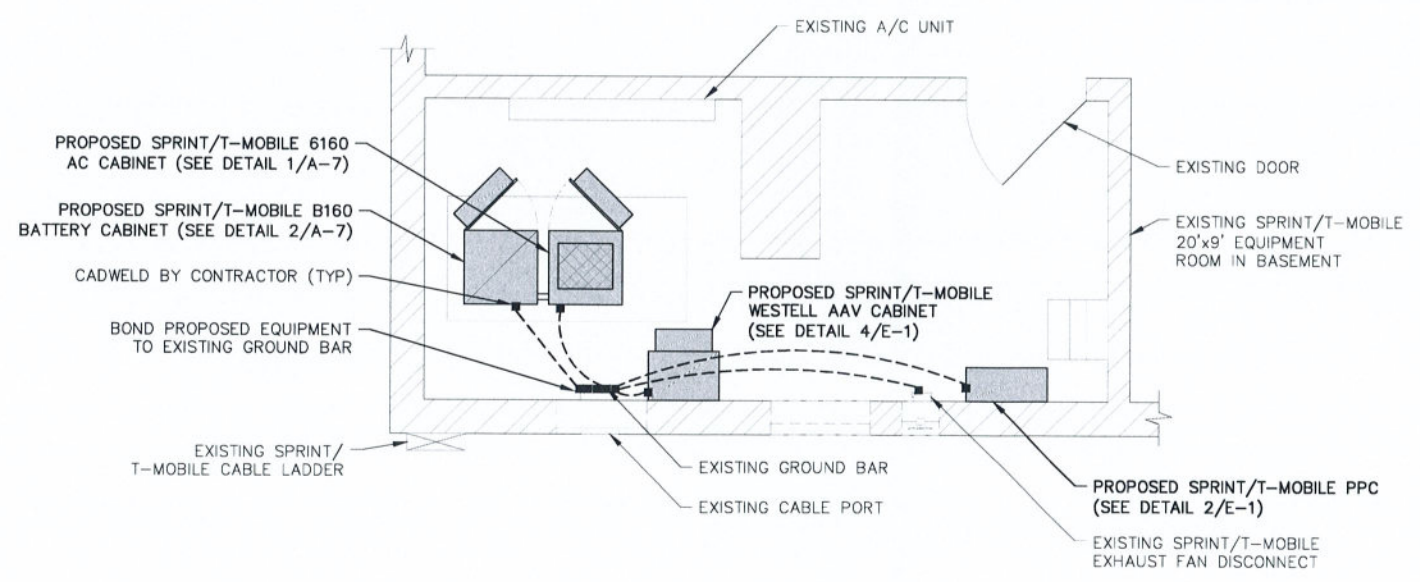
**SHEET TITLE**  
ELECTRICAL DETAILS

**SHEET NUMBER**  
E-1



LEGEND	
	METER
	CIRCUIT BREAKER
	CADWELD TYPE CONNECTION BY CONTRACTOR
	COAXIAL CABLE SHIELD GROUND KIT CONNECTION
	COMPRESSION FITTING GROUND CONNECTION
	COPPER GROUND BAR
	GROUND CONDUCTOR BY CONTRACTOR
	GROUND RING BY CONTRACTOR
	GROUND ROD WITH TEST WELL
	GROUND ROD

ABBREVIATIONS			
A	AMPERE	W	WIRE
C	CONDUIT	WP	WEATHERPROOF
GND	GROUND	∅	PHASE
KWH	KILOWATT HOUR	TGB	TOP GROUND BAR
P	POLE	MGB	MASTER GROUND BAR
SN	SOLID NEUTRAL	BGB	BOTTOM GROUND BAR
SW	SWITCH	PGB	EXISTING GROUND BAR
V	VOLT		



**1** GROUNDING PLAN (EQUIPMENT ROOM)  
 G-1  
 SCALE: 1" = 4' (11x17)  
 1" = 2' (22x34)

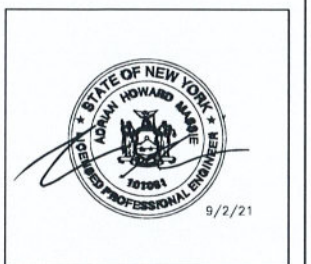


103 MONARCH DRIVE  
 LIVERPOOL, NY 13088

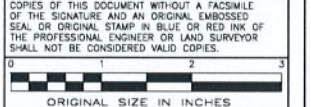
**Tectonic**  
 PRACTICAL SOLUTIONS. EXPERTISE. SERVICE.  
 Tectonic Engineering Consultants, Geologists & Land Surveyors, D.P.C.  
 70 Pleasant Hill Road Phone: (845) 534-5858  
 P.O. Box 37 (800) 829-8331  
 Mount Pleasant, NY 10953 www.tectonicengineering.com  
 Project Contact Info  
 25 British American Blvd.  
 Suite 101  
 Lodi, NY 12110 Phone: (518) 783-1830

NO.	DATE	ISSUE
0	2/19/21	FOR COMMENT
1	3/16/21	PER COMMENTS
2	4/27/21	FOR CONSTRUCTION
3	05/04/21	FOR CONSTRUCTION
4	06/16/21	FOR ZONING
5	08/12/21	PER COMMENTS
6	08/18/21	UPDATED RFDS
7	9/2/21	FOR CONSTRUCTION

WORK ORDER NUMBER	DRAWN BY
10666.017	MQ



UNAUTHORIZED ALTERATION OR ADDITIONS TO A PLAN BEARING THE SEAL OF A LICENSED ENGINEER OR LAND SURVEYOR IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.



**SITE INFORMATION**  
 UP30704A  
 BELLVUE APARTMENT BLDG  
 SY73XC031

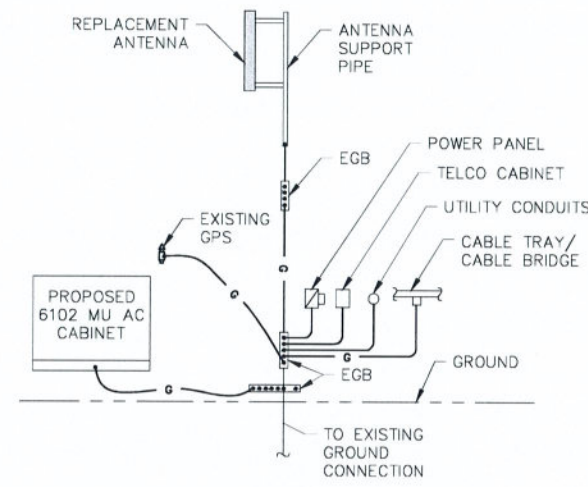
**SITE ADDRESS**  
 1000 BELLEVUE AVE  
 CITY OF SYRACUSE  
 ONONDAGA COUNTY  
 NY 13204

**SHEET TITLE**  
 GROUNDING PLAN

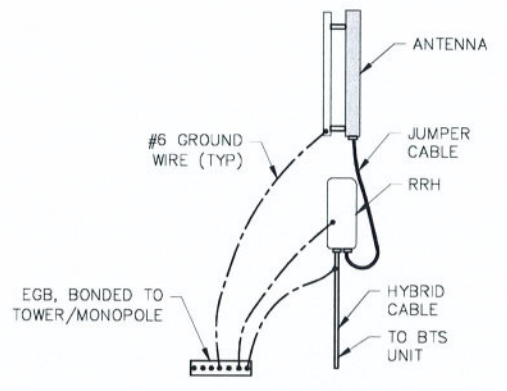
**SHEET NUMBER**  
 G-1

**CONFIGURATION**  
 67E5A998E 6160  
 REFER TO LATEST T-MOBILE RF DATA SHEET FOR FINAL RF DESIGN & BOM

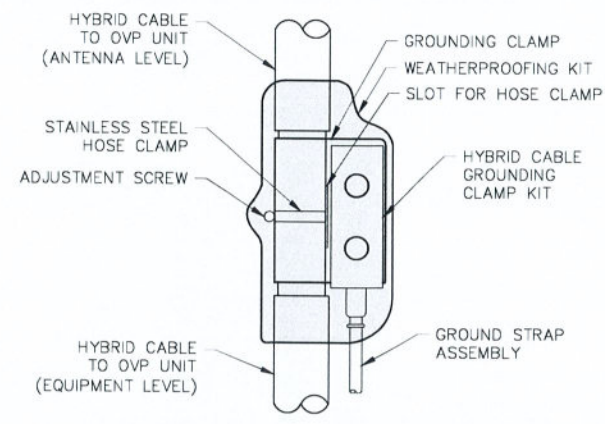




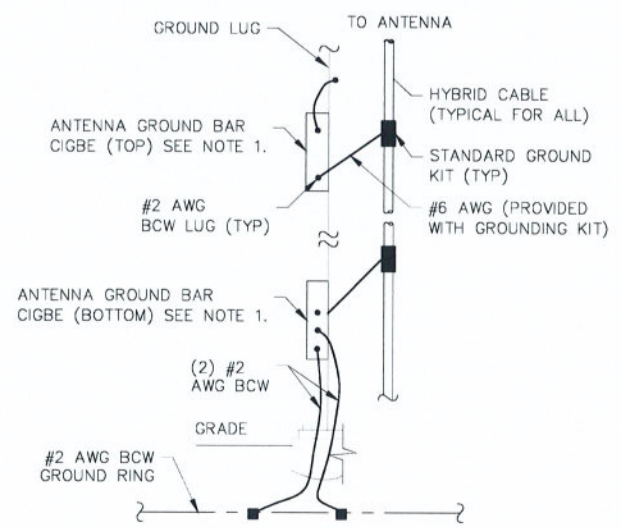
1 GROUNDING RISER DIAGRAM  
SCALE: NTS



2 HYBRID CABLE CONNECTION DETAIL  
SCALE: NTS

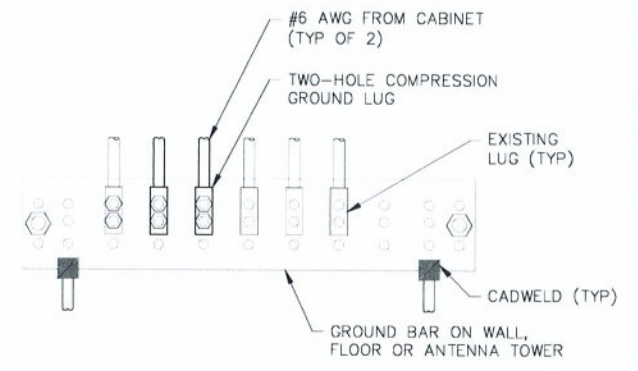


3 HYBRID CABLE GROUNDING DETAIL  
SCALE: NTS



- NOTES:
1. NUMBER OF GROUND BARS MAY VARY DEPENDING ON THE TYPE OF TOWER, ANTENNA LOCATION AND CONNECTION ANTENNA LOCATION AND CONNECTION ORIENTATION. PROVIDE AS REQUIRED.
  2. A SEPARATE GROUND BAR TO BE USED FOR GPS UNIT IF REQUIRED.

4 ANTENNA CABLE GROUNDING  
SCALE: NTS



5 GROUND BUS BAR DETAIL  
SCALE: NTS

**GROUNDING NOTES**

1. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED AS REQUIRED BY ALL APPLICABLE CODES.
2. ALL GROUNDING WORK SHALL BE IN ACCORDANCE WITH T-MOBILE STANDARD PRACTICE.
3. ALL BUS CONNECTORS SHALL BE TWO-HOLE, LONG-BARREL TYPE COMPRESSION LUGS, T&B OR EQUAL, UNLESS OTHERWISE NOTED ON DRAWINGS. ALL LUGS SHALL BE ATTACHED TO BUSES USING BOLTS, NUTS, AND LOCK WASHERS. NO WASHERS ARE ALLOWED BETWEEN THE ITEMS BEING GROUNDED.
4. ALL CONNECTORS SHALL BE CRIMPED USING HYDRAULIC CRIMPING TOOLS, T&B #TBM 8 OR EQUIVALENT.
5. ALL CONNECTIONS SHALL BE MADE TO BARE METAL. ALL PAINTED SURFACES SHALL BE FILED TO ENSURE PROPER CONTACT. NO WASHERS ARE ALLOWED BETWEEN THE ITEMS BEING GROUNDED. ALL CONNECTIONS ARE TO HAVE A NON-OXIDIZING AGENT APPLIED PRIOR TO INSTALLATION.
6. ALL COPPER BUSES SHALL BE CLEANED, POLISHED, AND A NON-OXIDIZING AGENT APPLIED. NO FINGERPRINTS OR DISCOLORED COPPER WILL BE PERMITTED.
7. ALL BENDS SHALL BE AS SHALLOW AS POSSIBLE, WITH NO TURN SHORTER THAN AN 8-INCH NOMINAL RADIUS.
8. GROUNDING CONDUCTORS SHALL BE SOLID TINNED COPPER AND ANNEALED #2. ALL GROUNDING CONDUCTORS SHALL RUN THROUGH PVC SLEEVES WHEREVER CONDUCTORS RUN THROUGH WALLS, FLOORS, OR CEILINGS. IF CONDUCTORS MUST RUN THROUGH EMT, BOTH ENDS OF CONDUIT SHALL BE GROUNDED. SEAL BOTH ENDS OF CONDUIT WITH SILICONE CAULK.
9. GROUNDING SYSTEM RESISTANCE SHALL NOT EXCEED 10 OHMS. IF THE RESISTANCE VALUE IS EXCEEDED, NOTIFY THE PROJECT MANAGER FOR FURTHER INSTRUCTION ON METHODS FOR REDUCING THE RESISTANCE VALUE.
10. ALL ROOF TOP ANTENNA MOUNTS SHALL BE GROUNDED WITH A #2 GROUND WIRE CONNECTED TO THE NEAREST GROUND BUS. ALL CONNECTIONS ARE TO BE CAD-WELDED IF POSSIBLE.
11. UPON COMPLETION OF WORK, CONDUCT CONTINUITY, SHORT CIRCUIT, AND FALL OF POTENTIAL GROUNDING TESTS FOR APPROVAL. SUBMIT TEST REPORTS TO THE PROJECT MANAGER.
12. GROUNDING CONNECTION TO TRAVEL IN A DOWNWARD DIRECTION.
13. ALL EXPOSED #2 WIRE MUST BE TINNED NOT BTW.
14. TECTONIC TAKES NO RESPONSIBILITY OR LIABILITY FOR THE GROUNDING SYSTEM AS SHOWN ON THIS SITE. THIS IS A STANDARD GROUNDING SYSTEM.



103 MONARCH DRIVE  
LIVERPOOL, NY 13088



WORK ORDER NUMBER		DRAWN BY	
10666.017		MQ	
NO.	DATE	ISSUE	
0	2/19/21	FOR COMMENT	
1	3/16/21	PER COMMENTS	
2	4/27/21	FOR CONSTRUCTION	
3	05/04/21	FOR CONSTRUCTION	
4	06/16/21	FOR ZDING	
5	08/12/21	PER COMMENTS	
6	08/18/21	UPDATED RFDS	
7	9/2/21	FOR CONSTRUCTION	

RELEASED BY: \_\_\_\_\_ DATE: \_\_\_\_\_



UNAUTHORIZED ALTERATION OR ADDITIONS TO A PLAN BEARING THE SEAL OF A LICENSED ENGINEER OR LAND SURVEYOR IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

COPIES OF THIS DOCUMENT WITHOUT A FACSIMILE OF THE SIGNATURE AND AN ORIGINAL EMBOSSED SEAL OR ORIGINAL STAMP IN BLUE OR RED INK OF THE PROFESSIONAL ENGINEER OR LAND SURVEYOR SHALL NOT BE CONSIDERED VALID COPIES.



**SITE INFORMATION**

UP30704A  
BELLVUE APARTMENT BLDG  
SY73XC031

SITE ADDRESS  
1000 BELLEVUE AVE  
CITY OF SYRACUSE  
ONONDAGA COUNTY  
NY 13204

SHEET TITLE  
GROUNDING DETAILS

SHEET NUMBER  
G-2

CONFIGURATION  
67E5A998E 6160  
REFER TO LATEST T-MOBILE RF DATA SHEET FOR FINAL RF DESIGN & BOM





Date: September 1, 2021

## Structural Opinion Letter - Revision 1

**Project Information:**

**Carrier:** Sprint/T-Mobile  
**Client:** Pyramid Network Services, LLC  
**Scope of Work:** "Sprint Retain"  
**Site Name:** Bellevue Apartment Building  
**Site Address:** 1000 Bellevue Avenue, Syracuse, NY 13204  
**Site Type:** Rooftop Non-Penetrating Ballast Mount

**Tectonic Project Number:** 10666.017  
**Sprint/T-Mobile Site ID Number:** UP30704A

Tectonic Engineering Consultants, Geologists & Land Surveyors, D.P.C. is pleased to submit this "Structural Opinion Letter – Revision 1" to determine the structural integrity of the above-mentioned building structure. The following documents were assessed for the purpose of this letter:

- Construction Drawings and Structural Assessment by Ramaker & Associates, Inc., dated 01/21/2018 and 07/23/2018.
- RFDS by Sprint/T-Mobile, dated 08/17/2021.
- Preliminary Construction Drawings by Tectonic Engineering Consultants, Geologists & Land Surveyors, D.P.C., dated 02/19/2021.

Based on our visual inspection and information provided, Sprint/T-Mobile currently has two (2) existing non-penetrating ballast mounts on the roof of the existing structure and one (1) existing pipe mount on the existing penthouse structure at a RAD elevation of approximately forty-five feet (45'-0") above ground level. Sprint/T-Mobile is proposing to replace the two (2) existing non-penetrating ballast mounts and one (1) existing pipe mount with three (3) new non-penetrating ballast mounts. The final antenna and equipment configuration upon this installation will be as follows:

Centerline (ft)	Carrier Designation	Quantity	Antenna Manufacturer	Antenna Model	Proposed Mount Type	Note
45.0	Sprint/ T-Mobile	3	Ericsson	AIR6449 B41	Non-Penetrating Ballast Mount (Site Pro P/N: RTP10-3RRU)	1
		3	RFS	APXVAALL24_43-U-NA20		
		3	Andrew	HBXX-6517DS-A2M		
		3	Ericsson	RRU 4480 B71 + B8		
		3	Ericsson	RRU 4460 B25 + B66		

Notes:

- 1) Proposed equipment to be mounted on proposed mounts.
- 2) Existing equipment to be relocated to proposed mounts.

**Project Contact Info**

1279 Route 300 | Newburgh, NY 12550  
 845.567.6656 Tel | 845.567.8703 Fax

tectonicengineering.com  
 Equal Opportunity Employer



The existing building drawings were not made available at the time of analysis; therefore, the existing structure has not been evaluated in detail. However, per the antenna mount analysis prepared by Tectonic Engineering Consultants, Geologists & Land Surveyors, D.P.C. dated 08/23/2021, the supporting rooftop structure is adequate to support the proposed installation.

This structural opinion is based on a limited visual inspection and information provided by the client. We assume that the building and its foundation were constructed in accordance with the approved design drawings, the building structure has been properly maintained in accordance with the applicable building codes, and all existing members and connections are intact. Contractor shall field verify existing conditions and recommendations as noted on the construction drawings and notify the design engineer of any discrepancies prior to construction. Any further changes to the antenna, appurtenance, and/or equipment configuration should be reviewed with respect to their effect on the structural loads prior to implementation.

We at Tectonic appreciate the opportunity of providing our continuing professional services to you and Sprint/T-Mobile. If you have any questions or need further assistance on this or any other projects, please give us a call.

Respectfully submitted by:

*Tectonic Engineering Consultants, Geologists & Land Surveyors, D.P.C.*



Edward N. Iamiceli, P.E.  
Managing Director - Structural







**Tectonic**  
PRACTICAL SOLUTIONS. EXCEPTIONAL SERVICE.

**1000 BELLEVUE APARTMENT BLDG**  
**1000 BELLEVUE AVENUE**  
**SYRACUSE, NY 13204**

**KEY**  
**LOG**  
 10666.017





**Tectonic**  
PRACTICAL SOLUTIONS. EXCEPTIONAL SERVICE.

Looking northwest from the corner of Belleview Avenue and Clairemonte Avenue.  
Proposed installation will be visible from this location.

Distance from the photographic location to the proposed site is 265'±

P-1

10666.017





**Tectonic**  
PRACTICAL SOLUTIONS. EXCEPTIONAL SERVICE.

Looking northwest from the corner of Belleview Avenue and Clairemonte Avenue.  
Proposed installation is visible from this location.

Distance from the photographic location to the proposed site is 265'±

**S-1**

10666.017





**Tectonic**  
PRACTICAL SOLUTIONS. EXCEPTIONAL SERVICE.

Looking northeast from the corner of Belleview Avenue and Hubbell Avenue.  
Proposed installation will be visible from this location.

Distance from the photographic location to the proposed site is 150'±

**P-2**

10666.017





**Tectonic**  
PRACTICAL SOLUTIONS. EXCEPTIONAL SERVICE.

Looking northeast from the corner of Belleview Avenue and Hubbell Avenue.  
Proposed installation is visible from this location.

Distance from the photographic location to the proposed site is 150'±

**S-2**

10666.017





**Tectonic**  
PRACTICAL SOLUTIONS. EXCEPTIONAL SERVICE.

Looking south from the corner of Dudley Street and W. Onondaga Street  
Proposed installation will be visible from this location.

Distance from the photographic location to the proposed site is 325'±

**P-3**

10666.017





**Tectonic**  
PRACTICAL SOLUTIONS. EXCEPTIONAL SERVICE.

Looking south from the corner of Dudley Street and W. Onondaga Street  
Proposed installation is visible from this location.

Distance from the photographic location to the proposed site is 325'±

**S-3**

10666.017