

PLEASE TYPE OR PRINT (LEGIBLY)

For Office Use Only:	Application Number: V- 05 - 03 M5
Tax map Section: 077-Block 8	Lot: 28.0 Zoning District: BA

339-41 Webster Ave

1. Address of subject property: AKA 2648 S. SALINA ST. SYRACUSE NY 13205

2. Year property was purchased by current owner:

3. Applicant/contact information:

a. Owner(s) (current titleholder): DUNK and BRIGHT HOLDING INC

Name(s):

Mailing Address: 2648 S. SALINA ST SYRACUSE NY 13205

Zip: 13205 Daytime phone number: 315-475-2000 home phone number: 315-475-2000

E-mail (alternate contact for additional information request):

b. Contract purchaser(s) , Lessee , or Co-applicant (if applicable)

*note: Copy of contract to purchase must be included with application if this contract purchaser or lessee applies.

Name(s):

Mailing Address:

Zip: Home phone number: Day Phone:

E-mail (alternate contact for additional information request):

c. Representative: Attorney , Architect , Contractor , Other

(Only if involved in this application)
Name(s): DOUG MORRISON

Mailing Address: 6615 TOWPATH RD E SYR NY

Zip: 13057 Telephone number: 315-569-9484

4. Current use of property: (i.e., 1 family, 2 family, grocery store, etc.):

COMMERCIAL FURNITURE Retail and Storage. EXISTING ATC UNMANNED TELECOMMUNICATIONS TOWER

Proposed use and occupancy of property: COLLOCATE ON EXISTING AMERICAN TOWER MONOPOLE

Current number of onsite (off-street) parking spaces: NA

Proposed number of onsite (off-street) parking spaces: NA

Days and hours of operation (for any business uses): TELECOMMUNICATIONS TOWER-24/7

Explain in detail what (if any) new additions or construction is proposed on the site:

CONCRETE PAD WITH CABINETS AND RACING ANTENNAS ON EXISTING AMERICAN TOWER MONOPOLE

Reason for request:

The courts have distinguished between use variances (for uses which are not permitted) and area variance (for excess lot coverage, additions into required yards, etc.). Be aware that *the standards of proof for a use variance are much more demanding* than for an area variance and that *the burden is on the applicant* to provide such proof in arguing their case. (See Standard of Proof requirements on required submittal page.)

Use additional sheets of paper to present proof if necessary.

NO CHANGE TO ORIGINAL SUBMITTAL. THIS IS SIMPLY A COLLOCATION ON EXISTING MONOPOLE

The following affirmation must be signed and dated by the CURRENT PROPERTY OWNER or the owner's LEGAL representative (attorney, power of attorney, partner in the business, etc.).

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.

HeBot

of Dunk & Bright Holding Inc

11/2/2018

Date

Signature of CURRENT PROPERTY OWNER

(If property owner is a Corporation or an Organization, then the person signing must provide verification they are a member of such, and can sign on the owners' behalf.)

of Dunk & Bright Holding Inc

Printed or typed name of person whose signature is above.

REQUIRED SUBMITTALS

Short Environmental Assessment Form

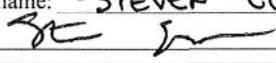
Part 1 - Project Information

Instructions for Completing

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

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

Part 1 - Project and Sponsor Information				
Name of Action or Project: Collocation of telecommunication antennas and supporting equipment on an existing American Tower Monopole.				
Project Location (describe, and attach a location map): 339 Webster Avenue, Syracuse, NY 13205				
Brief Description of Proposed Action: Project includes placing equipment cabinets and generator on a proposed concrete pad inside a 10'x15' ground space and placing new antennas on a proposed platform mounted to the existing monopole.				
Name of Applicant or Sponsor: American Tower Corporation		Telephone: 781-926-7191 E-Mail: kathleen.burke@americantower.com		
Address: 10 Presidential Way				
City/PO: Woburn		State: MA	Zip Code: 01801	
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 governmental Agency? If Yes, list agency(s) name and permit or approval: City of Syracuse - Building Permit			NO <input type="checkbox"/>	YES <input checked="" type="checkbox"/>
3.a. Total acreage of the site of the proposed action?		5.97 acres		
b. Total acreage to be physically disturbed?		.003 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, adjoining and near the proposed action. <input checked="" type="checkbox"/> Urban <input type="checkbox"/> Rural (non-agriculture) <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Commercial <input checked="" type="checkbox"/> Residential (suburban) <input type="checkbox"/> Forest <input type="checkbox"/> Agriculture <input type="checkbox"/> Aquatic <input type="checkbox"/> Other (specify): _____ <input type="checkbox"/> Parkland				

<p>18. Does the proposed action include construction or other activities that result in the impoundment of water or other liquids (e.g. retention pond, waste lagoon, dam)? If Yes, explain purpose and size: _____ _____</p>	<p>NO</p> <p><input checked="" type="checkbox"/></p>	<p>YES</p> <p><input type="checkbox"/></p>
<p>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: _____ _____</p>	<p>NO</p> <p><input checked="" type="checkbox"/></p>	<p>YES</p> <p><input type="checkbox"/></p>
<p>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: _____ _____</p>	<p>NO</p> <p><input checked="" type="checkbox"/></p>	<p>YES</p> <p><input type="checkbox"/></p>
<p>I AFFIRM THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE</p> <p>Applicant/sponsor name: <u>STEVEN ELSBREE</u> Date: <u>11/29/18</u> Signature: <u></u></p>		

PRINT FORM

18. Does the proposed action include construction or other activities that result in the impoundment of water or other liquids (e.g. retention pond, waste lagoon, dam)? If Yes, explain purpose and size: _____ _____	NO	YES
	<input 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 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 type="checkbox"/>	<input type="checkbox"/>
I AFFIRM THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE		
Applicant/sponsor name: _____		Date: _____
Signature: _____		

Part 2 - Impact Assessment. The Lead Agency is responsible for the completion of Part 2. Answer all of the following questions in Part 2 using the information contained in Part 1 and other materials submitted by the project sponsor or otherwise available to the reviewer. When answering the questions the reviewer should be guided by the concept "Have my responses been reasonable considering the scale and context of the proposed action?"

	No, or small impact may occur	Moderate to large impact may occur
1. Will the proposed action create a material conflict with an adopted land use plan or zoning regulations?	<input type="checkbox"/>	<input type="checkbox"/>
2. Will the proposed action result in a change in the use or intensity of use of land?	<input type="checkbox"/>	<input type="checkbox"/>
3. Will the proposed action impair the character or quality of the existing community?	<input type="checkbox"/>	<input type="checkbox"/>
4. Will the proposed action have an impact on the environmental characteristics that caused the establishment of a Critical Environmental Area (CEA)?	<input type="checkbox"/>	<input type="checkbox"/>
5. Will the proposed action result in an adverse change in the existing level of traffic or affect existing infrastructure for mass transit, biking or walkway?	<input type="checkbox"/>	<input type="checkbox"/>
6. Will the proposed action cause an increase in the use of energy and it fails to incorporate reasonably available energy conservation or renewable energy opportunities?	<input type="checkbox"/>	<input type="checkbox"/>
7. Will the proposed action impact existing:	<input type="checkbox"/>	<input type="checkbox"/>
a. public / private water supplies?	<input type="checkbox"/>	<input type="checkbox"/>
b. public / private wastewater treatment utilities?	<input type="checkbox"/>	<input type="checkbox"/>
8. Will the proposed action impair the character or quality of important historic, archaeological, architectural or aesthetic resources?	<input type="checkbox"/>	<input type="checkbox"/>
9. Will the proposed action result in an adverse change to natural resources (e.g., wetlands, waterbodies, groundwater, air quality, flora and fauna)?	<input type="checkbox"/>	<input type="checkbox"/>

	No, or small impact may occur	Moderate to large impact may occur
10. Will the proposed action result in an increase in the potential for erosion, flooding or drainage problems?	<input type="checkbox"/>	<input type="checkbox"/>
11. Will the proposed action create a hazard to environmental resources or human health?	<input type="checkbox"/>	<input type="checkbox"/>

Part 3 - Determination of significance. The Lead Agency is responsible for the completion of Part 3. For every question in Part 2 that was answered “moderate to large impact may occur”, or if there is a need to explain why a particular element of the proposed action may or will not result in a significant adverse environmental impact, please complete Part 3. Part 3 should, in sufficient detail, identify the impact, including any measures or design elements that have been included by the project sponsor to avoid or reduce impacts. Part 3 should also explain how the lead agency determined that the impact may or will not be significant. Each potential impact should be assessed considering its setting, probability of occurring, duration, irreversibility, geographic scope and magnitude. Also consider the potential for short-term, long-term and cumulative impacts.

<input type="checkbox"/>	Check this box if you have determined, based on the information and analysis above, and any supporting documentation, that the proposed action may result in one or more potentially large or significant adverse impacts and an environmental impact statement is required.
<input type="checkbox"/>	Check this box if you have determined, based on the information and analysis above, and any supporting documentation, that the proposed action will not result in any significant adverse environmental impacts.
_____	_____
Name of Lead Agency	Date
_____	_____
Print or Type Name of Responsible Officer in Lead Agency	Title of Responsible Officer
_____	_____
Signature of Responsible Officer in Lead Agency	Signature of Preparer (if different from Responsible Officer)

PRINT



AMERICAN TOWER®
CORPORATION

Structural Analysis Report

Structure : 79 ft Monopole
ATC Site Name : South Salina NY, NY
ATC Site Number : 413178
Engineering Number : 12601079_C3_02
Proposed Carrier : T-Mobile
Carrier Site Name : south_salina
Carrier Site Number : 3ONS232A
Site Location : 339 Webster Ave
Syracuse, NY 13205-1459
43.022000,-76.144300
County : Onondaga
Date : September 24, 2018
Max Usage : 51%
Result : Pass

Prepared By:
Christophe S. Quenum
Structural Engineer I

Reviewed By:



Authorized by "EOR"
Sep 28 2018 8:22 AM



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3105 0 8 100W



Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 79 ft monopole to reflect the change in loading by T-Mobile.

Supporting Documents

Tower Drawings	Sabre Job #05-04224, dated May 9, 2005
Foundation Drawing	Sabre Job #05-04224, dated May 9, 2005
Geotechnical Report	TGE Project #TGE.05.020, dated April 19, 2005

Analysis

The tower was analyzed using American Tower Corporation's tower analysis software. This program considers an elastic three-dimensional model and second-order effects per ANSI/TIA-222.

Basic Wind Speed:	90 mph (3-Second Gust, V_{asd}) / 115 mph (3-second Gust, V_{ult})
Basic Wind Speed w/ Ice:	40 mph (3-Second Gust) w/ 1" radial ice concurrent
Code:	ANSI/TIA-222-G / 2015 IBC
Structure Class:	II
Exposure Category:	B
Topographic Category:	1
Crest Height:	0 ft
Spectral Response:	$S_s = 0.14, S_1 = 0.06$
Site Class:	D - Stiff Soil

Conclusion

Based on the analysis results, the structure meets the requirements per the applicable codes listed above. The tower and foundation can support the equipment as described in this report.

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



Existing and Reserved Equipment

Elevation ¹ (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
77.0	77.0	3	Alcatel-Lucent B13 RRH4x30-4R	Sector Frames	(18) 1 5/8" Coax (1) 1 1/4" Hybriflex	Verizon
		3	Alcatel-Lucent B66A RRH 4x45			
		3	Alcatel-Lucent RRH2x60-AWS Band 4 w/ Bracket			
		6	CSS V7C-865			
		6	JMA Wireless X7CQAP-86-865-VR0			
	1	VZW Unused Reserve: 11,169 sq in				
75.0	1	Raycap RxxDC-3315-PF-48 (32 lbs)				

Equipment to be Removed

Elevation ¹ (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
No loading considered as to be removed						

Proposed Equipment

Elevation ¹ (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
64.0	64.0	1	Aviat Networks ODU 600	Low Profile Platform	(3) 1 1/4" Fiber (1) 1/2" Coax	T-Mobile
		3	Ericsson Radio 4449 B12,B71			
		3	Ericsson RRUS 4415 B25			
		1	RFS SCX2-220BB			
		3	Ericsson Air 3246 B66			
		3	Andrew HBXX-6517DS-A2M			
		3	RFS APXVAARR24_43-U-NA20			

¹Mount elevation is defined as height above bottom of steel structure to the bottom of mount, RAD elevation is defined as center of antenna above ground level (AGL).

Install proposed coax inside the pole shaft.

3105 0-B VOR



Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Anchor Bolts	34%	Pass
Shaft	51%	Pass
Base Plate	15%	Pass

Foundations

Reaction Component	Original Design Reactions	Factored Design Reactions*	Analysis Reactions	% of Design
Moment (Kips-Ft)	1,647.5	2,224.1	815.9	37%
Shear (Kips)	28.4	38.4	12.4	32%

* The design reactions are factored by 1.35 per ANSI/TIA-222-G, Sec. 15.5.1

The structure base reactions resulting from this analysis are acceptable when compared to those shown on the original structure drawings, therefore no modification or reinforcement of the foundation will be required.

Deflection and Sway*

Antenna Elevation (ft)	Antenna	Carrier	Deflection (ft)	Sway (Rotation) (°)
64.0	Aviat Networks ODU 600	T-Mobile	0.371	0.767
	Ericsson Radio 4449 B12,B71			
	Ericsson RRUS 4415 B25			
	RFS SCX2-220BB			
	Ericsson Air 3246 B66			
	Andrew HBXX-6517DS-A2M			
	RFS APXVAARR24_43-U-NA20			

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

8/25/18 U.C. 1006



Standard Conditions

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

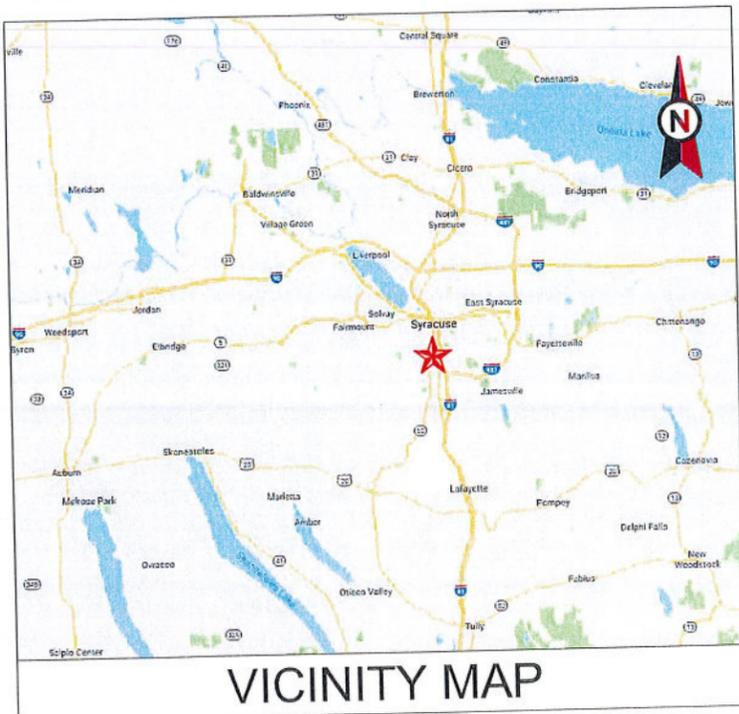
- Information supplied by the client regarding antenna, mounts and feed line loading
- Information from drawings, design and analysis documents, and field notes in the possession of ATC Tower Services, Inc.

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

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

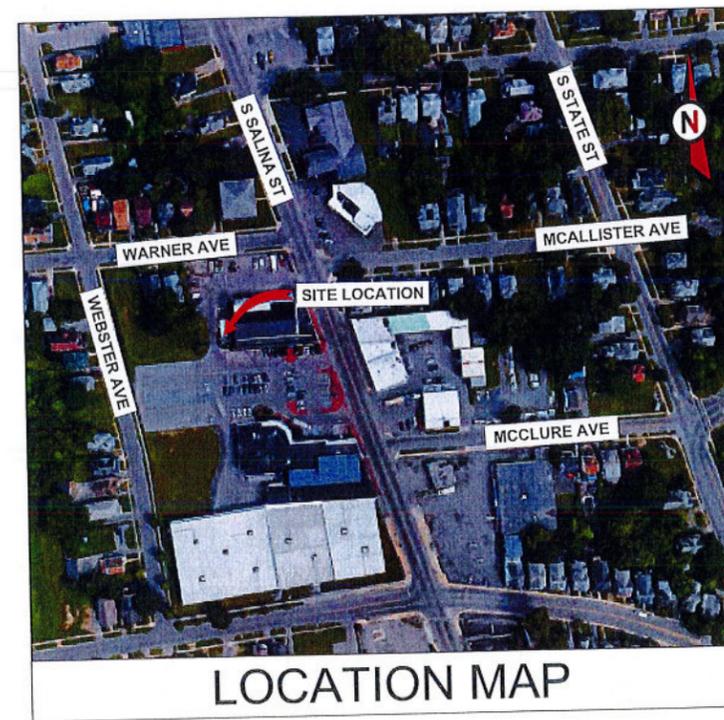
Unless explicitly agreed by both the client and ATC Tower Services, Inc., all services will be performed in accordance with the current revision of ANSI/TIA-222.

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



AMERICAN TOWER®

ATC SITE NAME: SOUTH SALINA NY
 ATC SITE NUMBER: 413178
 T-MOBILE SITE ID: 3ONS232A
 SITE ADDRESS: 339 WEBSTER AVE
 SYRACUSE, NY 13205



AMERICAN TOWER®
 A.T. ENGINEERING SERVICE, PLLC
 3500 REGENCY PARKWAY
 SUITE 100
 CARY, NC 27518
 PHONE: (919) 468-0112
 COA: 0012746

THESE DRAWINGS AND/OR THE ACCOMPANYING SPECIFICATION AS INSTRUMENTS OR SERVICE ARE THE EXCLUSIVE PROPERTY OF AMERICAN TOWER. THEIR USE AND PUBLICATION SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY ARE PREPARED. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO AMERICAN TOWER OR THE SPECIFIED CARRIER IS STRICTLY PROHIBITED. TITLE TO THESE DOCUMENTS SHALL REMAIN THE PROPERTY OF AMERICAN TOWER WHETHER OR NOT THE PROJECT IS EXECUTED. NEITHER THE ARCHITECT NOR THE ENGINEER WILL BE PROVIDING ON-SITE CONSTRUCTION REVIEW OF THIS PROJECT. CONTRACTOR(S) MUST VERIFY ALL DIMENSIONS AND ADVISE AMERICAN TOWER OF ANY DISCREPANCIES. ANY PRIOR ISSUANCE OF THIS DRAWING IS SUPERSEDED BY THE LATEST VERSION ON FILE WITH AMERICAN TOWER.

REV.	DESCRIPTION	BY	DATE
△	FOR CONSTRUCTION	KTL	10/11/18
△	UPDATED ADDRESS	KL	10/29/18
△			
△			
△			

ATC SITE NUMBER:
413178
 ATC SITE NAME:
SOUTH SALINA NY
 SITE ADDRESS:
 339 WEBSTER AVE
 SYRACUSE, NY 13205

**T-MOBILE COLLOCATION PLAN
 67D98M CONFIGURATION**

COMPLIANCE CODE	PROJECT SUMMARY	PROJECT DESCRIPTION	SHEET INDEX				
			SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:
ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNMENT AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES. 1. INTERNATIONAL BUILDING CODE (IBC) 2. NATIONAL ELECTRIC CODE (NEC) 3. LOCAL BUILDING CODE 4. CITY/COUNTY ORDINANCES	<u>SITE ADDRESS:</u> 339 WEBSTER AVE SYRACUSE, NY 13205 COUNTY: ONONDAGA <u>GEOGRAPHIC COORDINATES:</u> LATITUDE: 43.02195 LONGITUDE: -76.144333 GROUND ELEVATION: 417' AMSL <u>ZONING INFORMATION:</u> JURISDICTION: CITY OF SYRACUSE TAX ID: 077.-18-06.3	THE PROPOSED PROJECT INCLUDES PLACING EQUIPMENT CABINETS AND GENERATOR ON A PROPOSED CONCRETE PAD INSIDE A 10' X 15' GROUND SPACE WITHIN A COMPOUND EXPANSION, AND PLACING NEW ANTENNAS ON A PROPOSED PLATFORM MOUNTED TO THE EXISTING TOWER. <u>PROJECT NOTES</u> 1. THE FACILITY IS UNMANNED. 2. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE. 3. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE. 4. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED. 5. HANDICAP ACCESS IS NOT REQUIRED.	G-001	TITLE SHEET	1	10/29/18	KL
	<u>TOWER OWNER:</u> AMERICAN TOWER 10 PRESIDENTIAL WAY WOBURN, MA 01801 <u>ENGINEER:</u> ATC TOWER SERVICES, LLC 3500 REGENCY PKWY STE 100 CARY, NC 27518 <u>PROPERTY OWNER:</u> DUNK & BRIGHT HOLDING INC 2648 S SALINA ST SYRACUSE NY 13205	<u>APPLICANT:</u> T-MOBILE 103 MONARCH DRIVE LIVERPOOL, NY 13088 <u>CARRIER CONTACT:</u> PETE BERIE (315) 263-1882	<u>PROJECT LOCATION DIRECTIONS</u> FROM SYRACUSE, NY: I-90 W, TAKE EXIT 34A TO I-481 S TOWARD SYRACUSE. TAKE EXIT 1 FOR BRIGHTON AVE. KEEP RIGHT AT THE FORK AND MERGE ONTO E BRIGHTON AVE. TURN RIGHT ONTO WEBSTER AVE. DESTINATION IS ON THE RIGHT.	G-002	GENERAL NOTES	1	10/29/18
UTILITY COMPANIES	<u>TOWER OWNER:</u> AMERICAN TOWER 10 PRESIDENTIAL WAY WOBURN, MA 01801 <u>ENGINEER:</u> ATC TOWER SERVICES, LLC 3500 REGENCY PKWY STE 100 CARY, NC 27518 <u>PROPERTY OWNER:</u> DUNK & BRIGHT HOLDING INC 2648 S SALINA ST SYRACUSE NY 13205	<u>PROJECT NOTES</u> 1. THE FACILITY IS UNMANNED. 2. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE. 3. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE. 4. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED. 5. HANDICAP ACCESS IS NOT REQUIRED.	V-101	OVERALL SITE PLAN	1	10/29/18	KL
POWER COMPANY: UNKNOWN PHONE: UNKNOWN TELEPHONE COMPANY: VERIZON PHONE: (800) 922-0204	<u>TOWER OWNER:</u> AMERICAN TOWER 10 PRESIDENTIAL WAY WOBURN, MA 01801 <u>ENGINEER:</u> ATC TOWER SERVICES, LLC 3500 REGENCY PKWY STE 100 CARY, NC 27518 <u>PROPERTY OWNER:</u> DUNK & BRIGHT HOLDING INC 2648 S SALINA ST SYRACUSE NY 13205	<u>PROJECT NOTES</u> 1. THE FACILITY IS UNMANNED. 2. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE. 3. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE. 4. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED. 5. HANDICAP ACCESS IS NOT REQUIRED.	C-101	DETAILED SITE PLAN & TOWER ELEVATION	1	10/29/18	KL
	<u>TOWER OWNER:</u> AMERICAN TOWER 10 PRESIDENTIAL WAY WOBURN, MA 01801 <u>ENGINEER:</u> ATC TOWER SERVICES, LLC 3500 REGENCY PKWY STE 100 CARY, NC 27518 <u>PROPERTY OWNER:</u> DUNK & BRIGHT HOLDING INC 2648 S SALINA ST SYRACUSE NY 13205	<u>PROJECT NOTES</u> 1. THE FACILITY IS UNMANNED. 2. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE. 3. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE. 4. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED. 5. HANDICAP ACCESS IS NOT REQUIRED.	C-501	ANTENNA INFORMATION & SCHEDULE	1	10/29/18	KL
	<u>TOWER OWNER:</u> AMERICAN TOWER 10 PRESIDENTIAL WAY WOBURN, MA 01801 <u>ENGINEER:</u> ATC TOWER SERVICES, LLC 3500 REGENCY PKWY STE 100 CARY, NC 27518 <u>PROPERTY OWNER:</u> DUNK & BRIGHT HOLDING INC 2648 S SALINA ST SYRACUSE NY 13205	<u>PROJECT NOTES</u> 1. THE FACILITY IS UNMANNED. 2. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE. 3. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE. 4. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED. 5. HANDICAP ACCESS IS NOT REQUIRED.	C-502	CONSTRUCTION DETAILS	1	10/29/18	KL
	<u>TOWER OWNER:</u> AMERICAN TOWER 10 PRESIDENTIAL WAY WOBURN, MA 01801 <u>ENGINEER:</u> ATC TOWER SERVICES, LLC 3500 REGENCY PKWY STE 100 CARY, NC 27518 <u>PROPERTY OWNER:</u> DUNK & BRIGHT HOLDING INC 2648 S SALINA ST SYRACUSE NY 13205	<u>PROJECT NOTES</u> 1. THE FACILITY IS UNMANNED. 2. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE. 3. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE. 4. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED. 5. HANDICAP ACCESS IS NOT REQUIRED.	C-503	CONSTRUCTION DETAILS	1	10/29/18	KL
	<u>TOWER OWNER:</u> AMERICAN TOWER 10 PRESIDENTIAL WAY WOBURN, MA 01801 <u>ENGINEER:</u> ATC TOWER SERVICES, LLC 3500 REGENCY PKWY STE 100 CARY, NC 27518 <u>PROPERTY OWNER:</u> DUNK & BRIGHT HOLDING INC 2648 S SALINA ST SYRACUSE NY 13205	<u>PROJECT NOTES</u> 1. THE FACILITY IS UNMANNED. 2. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE. 3. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE. 4. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED. 5. HANDICAP ACCESS IS NOT REQUIRED.	C-504	CONSTRUCTION DETAILS	1	10/29/18	KL
	<u>TOWER OWNER:</u> AMERICAN TOWER 10 PRESIDENTIAL WAY WOBURN, MA 01801 <u>ENGINEER:</u> ATC TOWER SERVICES, LLC 3500 REGENCY PKWY STE 100 CARY, NC 27518 <u>PROPERTY OWNER:</u> DUNK & BRIGHT HOLDING INC 2648 S SALINA ST SYRACUSE NY 13205	<u>PROJECT NOTES</u> 1. THE FACILITY IS UNMANNED. 2. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE. 3. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE. 4. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED. 5. HANDICAP ACCESS IS NOT REQUIRED.	E-101	GROUNDING PLAN AND SCHEMATIC	1	10/29/18	KL
	<u>TOWER OWNER:</u> AMERICAN TOWER 10 PRESIDENTIAL WAY WOBURN, MA 01801 <u>ENGINEER:</u> ATC TOWER SERVICES, LLC 3500 REGENCY PKWY STE 100 CARY, NC 27518 <u>PROPERTY OWNER:</u> DUNK & BRIGHT HOLDING INC 2648 S SALINA ST SYRACUSE NY 13205	<u>PROJECT NOTES</u> 1. THE FACILITY IS UNMANNED. 2. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE. 3. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE. 4. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED. 5. HANDICAP ACCESS IS NOT REQUIRED.	E-501	GROUNDING DETAILS	1	10/29/18	KL
	<u>TOWER OWNER:</u> AMERICAN TOWER 10 PRESIDENTIAL WAY WOBURN, MA 01801 <u>ENGINEER:</u> ATC TOWER SERVICES, LLC 3500 REGENCY PKWY STE 100 CARY, NC 27518 <u>PROPERTY OWNER:</u> DUNK & BRIGHT HOLDING INC 2648 S SALINA ST SYRACUSE NY 13205	<u>PROJECT NOTES</u> 1. THE FACILITY IS UNMANNED. 2. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE. 3. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE. 4. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED. 5. HANDICAP ACCESS IS NOT REQUIRED.	E-601	PANEL SCHEDULE	1	10/29/18	KL
	<u>TOWER OWNER:</u> AMERICAN TOWER 10 PRESIDENTIAL WAY WOBURN, MA 01801 <u>ENGINEER:</u> ATC TOWER SERVICES, LLC 3500 REGENCY PKWY STE 100 CARY, NC 27518 <u>PROPERTY OWNER:</u> DUNK & BRIGHT HOLDING INC 2648 S SALINA ST SYRACUSE NY 13205	<u>PROJECT NOTES</u> 1. THE FACILITY IS UNMANNED. 2. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE. 3. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE. 4. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED. 5. HANDICAP ACCESS IS NOT REQUIRED.	R-601	SUPPLEMENTAL			
	<u>TOWER OWNER:</u> AMERICAN TOWER 10 PRESIDENTIAL WAY WOBURN, MA 01801 <u>ENGINEER:</u> ATC TOWER SERVICES, LLC 3500 REGENCY PKWY STE 100 CARY, NC 27518 <u>PROPERTY OWNER:</u> DUNK & BRIGHT HOLDING INC 2648 S SALINA ST SYRACUSE NY 13205	<u>PROJECT NOTES</u> 1. THE FACILITY IS UNMANNED. 2. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE. 3. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE. 4. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED. 5. HANDICAP ACCESS IS NOT REQUIRED.	R-602	SUPPLEMENTAL			



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APPROVED BY:	KRF
DATE DRAWN:	10/11/18
ATC JOB NO:	12613623

TITLE SHEET	
SHEET NUMBER: G-001	REVISION: 1



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GENERAL CONSTRUCTION NOTES:

1. ALL WORK SHALL CONFORM TO ALL CURRENT APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING ANSII/AIA-222, AND COMPLY WITH ATC MASTER SPECIFICATIONS.
2. CONTRACTOR SHALL CONTACT LOCAL 811 FOR IDENTIFICATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED INSPECTIONS.
4. ALL DIMENSIONS TO, OF, AND ON EXISTING BUILDINGS, DRAINAGE STRUCTURES, AND SITE IMPROVEMENTS SHALL BE VERIFIED IN FIELD BY CONTRACTOR WITH ALL DISCREPANCIES REPORTED TO THE ENGINEER.
5. DO NOT CHANGE SIZE OR SPACING OF STRUCTURAL ELEMENTS.
6. DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
7. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
8. CONTRACTOR SHALL BRACE STRUCTURES UNTIL ALL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: LATERAL BRACING, ANCHOR BOLTS, ETC.
9. CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES, GROUNDS DRAINS, DRAIN PIPES, VENTS, ETC. BEFORE COMMENCING WORK.
10. INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE T-MOBILE WIRELESS REP PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH REMEDIAL ACTION SHALL REQUIRE WRITTEN APPROVAL BY THE T-MOBILE WIRELESS REP PRIOR TO PROCEEDING.
11. EACH CONTRACTOR SHALL COOPERATE WITH THE T-MOBILE WIRELESS REP, AND COORDINATE HIS WORK WITH THE WORK OF OTHERS.
12. CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OF THIS PROJECT TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE T-MOBILE WIRELESS CONSTRUCTION MANAGER.
13. ALL CABLE/CONDUIT ENTRY/EXIT PORTS SHALL BE WEATHERPROOFED DURING INSTALLATION USING A SILICONE SEALANT.
14. WHERE EXISTING CONDITIONS DO NOT MATCH THOSE SHOWN IN THIS PLAN SET, CONTRACTOR SHALL NOTIFY THE T-MOBILE WIRELESS REP IMMEDIATELY.
15. CONTRACTOR SHALL ENSURE ALL SUBCONTRACTORS ARE PROVIDED WITH A COMPLETE AND CURRENT SET OF DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
16. CONTRACTOR SHALL REMOVE ALL RUBBISH AND DEBRIS FROM THE SITE AT THE END OF EACH DAY.
17. CONTRACTOR SHALL COORDINATE WORK SCHEDULE WITH LANDLORD AND TAKE PRECAUTIONS TO MINIMIZE IMPACT AND DISRUPTION OF OTHER OCCUPANTS OF THE FACILITY.
18. CONTRACTOR SHALL FURNISH T-MOBILE WIRELESS WITH A PDF MARKED UP AS-BUILT SET OF DRAWINGS UPON COMPLETION OF WORK.
19. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH T-MOBILE WIRELESS REP TO DETERMINE WHAT, IF ANY, ITEMS WILL BE PROVIDED. ALL ITEMS NOT PROVIDED SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. CONTRACTOR WILL INSTALL ALL ITEMS PROVIDED.
20. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH T-MOBILE WIRELESS REP TO DETERMINE IF ANY PERMITS WILL BE OBTAINED BY CONTRACTOR. ALL REQUIRED PERMITS NOT OBTAINED BY T-MOBILE WIRELESS MUST BE OBTAINED, AND PAID FOR, BY THE CONTRACTOR.
21. CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH T-MOBILE WIRELESS SPECIFICATIONS AND REQUIREMENTS.
22. CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO T-MOBILE WIRELESS FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
23. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND LOCATED ACCORDING TO T-MOBILE WIRELESS SPECIFICATIONS, AND AS SHOWN IN THESE PLANS.
24. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
25. CONTRACTOR SHALL NOTIFY T-MOBILE WIRELESS REP A MINIMUM OF 48 HOURS IN ADVANCE OF POURING CONCRETE OR BACKFILLING ANY UNDERGROUND UTILITIES, FOUNDATIONS OR SEALING ANY WALL, FLOOR OR ROOF PENETRATIONS FOR ENGINEERING REVIEW AND APPROVAL.
26. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY INCLUDING COMPLIANCE WITH ALL APPLICABLE OSHA STANDARDS AND RECOMMENDATIONS AND SHALL PROVIDE ALL NECESSARY SAFETY DEVICES INCLUDING PPE AND PPM AND CONSTRUCTION DEVICES SUCH AS WELDING AND FIRE PREVENTION, TEMPORARY SHORING, SCAFFOLDING, TRENCH BOXES/SLOPING, BARRIERS, ETC.

27. THE CONTRACTOR SHALL PROTECT AT HIS OWN EXPENSE, ALL EXISTING FACILITIES AND SUCH OF HIS NEW WORK LIABLE TO INJURY DURING THE CONSTRUCTION PERIOD. ANY DAMAGE CAUSED BY NEGLIGENCE ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, OR BY THE ELEMENTS DUE TO NEGLIGENCE ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, EITHER TO THE EXISTING WORK, OR TO HIS WORK OR THE WORK OF ANY OTHER CONTRACTOR, SHALL BE REPAIRED AT HIS EXPENSE TO THE OWNER'S SATISFACTION.
28. ALL WORK SHALL BE INSTALLED IN A FIRST CLASS, NEAT AND WORKMANLIKE MANNER BY MECHANICS SKILLED IN THE TRADE INVOLVED. THE QUALITY OF WORKMANSHIP SHALL BE SUBJECT TO THE APPROVAL OF THE T-MOBILE WIRELESS REP. ANY WORK FOUND BY THE T-MOBILE WIRELESS REP TO BE OF INFERIOR QUALITY AND/OR WORKMANSHIP SHALL BE REPLACED AND/OR REWORKED AT CONTRACTOR EXPENSE UNTIL APPROVAL IS OBTAINED.
29. IN ORDER TO ESTABLISH STANDARDS OF QUALITY AND PERFORMANCE, ALL TYPES OF MATERIALS LISTED HEREINAFTER BY MANUFACTURER'S NAMES AND/OR MANUFACTURER'S CATALOG NUMBER SHALL BE PROVIDED BY THESE MANUFACTURERS AS SPECIFIED.

CONCRETE AND REINFORCING STEEL NOTES:

1. DESIGN AND CONSTRUCTION OF ALL CONCRETE ELEMENTS SHALL CONFORM TO THE LATEST EDITIONS OF ALL APPLICABLE CODES INCLUDING: ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS", ACI 117 "SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS", AND ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE."
2. MIX DESIGN SHALL BE APPROVED BY T-MOBILE WIRELESS REP PRIOR TO PLACING CONCRETE.
3. CONCRETE SHALL BE NORMAL WEIGHT, 6 % AIR ENTRAINED (+/- 1.5%) WITH A SLUMP RANGE OF 3-6" AND HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI UNLESS OTHERWISE NOTED.
4. THE FOLLOWING MATERIALS SHALL BE USED:
 PORTLAND CEMENT: ASTM C150, TYPE 2
 REINFORCEMENT: ASTM A185, PLAIN STEEL WELDED WIRE FABRIC
 REINFORCEMENT BARS: ASTM A615, GRADE 60, DEFORMED
 NORMAL WEIGHT AGGREGATE: ASTM C33
 WATER: ASTM C 94/C 94M
 ADMIXTURES:
 -WATER-REDUCING AGENT: ASTM C 494/C 494M, TYPE A
 -AIR-ENTERING AGENT: ASTM C 260/C 260M
 -SUPERPLASTICIZER: ASTM C494, TYPE F OR TYPE G
 -RETARDING: ASTM C 494/C 494M, TYPE B
5. MINIMUM CONCRETE COVER FOR REINFORCING STEEL SHALL BE NO LESS THAN 3".
6. A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE IN ACCORDANCE WITH ACI 301 SECTION 4.2.4, UNLESS NOTED OTHERWISE.
7. INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURE. THE ANCHOR BOLT, DOWEL, OR ROD SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. NO REBAR SHALL BE CUT WITHOUT PRIOR T-MOBILE WIRELESS REP APPROVAL WHEN DRILLING HOLES IN CONCRETE.
8. ADMIXTURES SHALL CONFORM TO THE APPROPRIATE ASTM STANDARD AS REFERENCED IN "METHOD 1" OF ACI 301.
9. DO NOT WELD OR TACK WELD REINFORCING STEEL.
10. ALL DOWELS, ANCHOR BOLTS, EMBEDDED STEEL, ELECTRICAL CONDUITS, PIPE SLEEVES, GROUNDS AND ALL OTHER EMBEDDED ITEMS AND FORMED DETAILS SHALL BE IN PLACE BEFORE START OF CONCRETE PLACEMENT.
11. REINFORCEMENT SHALL BE COLD BENT WHENEVER BENDING IS REQUIRED.
12. DO NOT PLACE CONCRETE IN WATER, ICE, OR ON FROZEN GROUND.
13. DO NOT ALLOW REINFORCEMENT, CONCRETE OR SUBBASE TO FREEZE DURING CONCRETE CURING AND SETTING PERIOD, OR FOR A MINIMUM OF 3 DAYS AFTER PLACEMENT.
14. FOR COLD-WEATHER(ACI 306) AND HOT-WEATHER(ACI 301M) CONCRETE PLACEMENT, CONFORM TO APPLICABLE ACI CODES AND RECOMMENDATIONS. IN EITHER CASE, MATERIALS CONTAINING CHLORIDE, CALCIUM, SALTS, ETC. SHALL NOT BE USED. PROTECT FRESH CONCRETE FROM WEATHER FOR 7 DAYS, MINIMUM.
15. ALL CONCRETE SHALL HAVE A "SMOOTH FORM FINISH."
16. UNLESS OTHERWISE NOTED:
 A. ALL REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615/A 615M/A-996, GRADE 60.
 B. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
17. SPLICING OF REINFORCEMENT IS PERMITTED ONLY AT LOCATIONS SHOWN IN THE CONTRACT DRAWINGS OR AS ACCEPTED BY THE ENGINEER. UNLESS OTHERWISE SHOWN OR NOTED REINFORCING STEEL SHALL BE SPLICED TO DEVELOP ITS FULL TENSILE CAPACITY (CLASS A) IN ACCORDANCE WITH ACI 318.

18. REINFORCING BAR DEVELOPMENT LENGTHS, AS COMPUTED IN ACCORDANCE WITH ACI 318, FORM THE BASIS FOR BAR EMBEDMENT LENGTHS AND BAR SPLICED LENGTHS SHOWN IN THE DRAWINGS. APPLY APPROPRIATE MODIFICATION FACTORS FOR TOP STEEL, BAR SPACING, COVER AND THE LIKE.
19. DETAILING OF REINFORCING STEEL SHALL CONFORM TO "ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" (ACI 315).
20. ALL SLAB CONSTRUCTION SHALL BE CAST MONOLITHICALLY WITHOUT HORIZONTAL CONSTRUCTION JOINTS, UNLESS SHOWN IN THE CONTRACT DRAWINGS.
21. LOCATION OF ALL CONSTRUCTION JOINTS ARE SUBJECT TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, CONFORMANCE WITH ACI 318, AND ACCEPTANCE OF THE ENGINEER. DRAWINGS SHOWING LOCATION OF DETAILS OF THE PROPOSED CONSTRUCTION JOINTS SHALL BE SUBMITTED WITH REINFORCING STEEL PLACEMENT DRAWINGS.
22. SPLICES OF WWF, AT ALL SPLICED EDGES, SHALL BE SUCH THAT THE OVERLAP MEASURED BETWEEN OUTERMOST CROSS WIRES OF EACH FABRIC SHEET IS NOT LESS THAN THE SPACING OF THE CROSS WIRE PLUS 2 INCHES, NOR LESS THAN 6".
23. BAR SUPPORTS SHALL BE ALL-GALVANIZED METAL WITH PLASTIC TIPS.
24. ALL REINFORCEMENT SHALL BE SECURELY TIED IN PLACE TO PREVENT DISPLACEMENT BY CONSTRUCTION TRAFFIC OR CONCRETE. TIE WIRE SHALL BE OF SUFFICIENT STRENGTH FOR INTENDED PURPOSE, BUT NOT LESS THAN NO. 18 GAUGE.
25. SLAB ON GROUND:
 A. COMPACT STRUCTURAL FILL TO 95% DENSITY AND THEN PLACE 6" GRAVEL BENEATH SLAB.
 B. PROVIDE VAPOR BARRIER BENEATH SLAB ON GROUND.

STRUCTURAL STEEL NOTES:

1. STRUCTURAL STEEL SHALL CONFORM TO THE LATEST EDITION OF THE AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS."
2. STRUCTURAL STEEL ROLLED SHAPES, PLATES AND BARS SHALL CONFORM TO THE FOLLOWING ASTM DESIGNATIONS:
 A. ASTM A-572, GRADE 50 - ALL W SHAPES, UNLESS NOTED OR A992 OTHERWISE
 B. ASTM A-36 - ALL OTHER ROLLED SHAPES, PLATES AND BARS UNLESS NOTED OTHERWISE.
 C. ASTM A-500, GRADE B - HSS SECTION (SQUARE, RECTANGULAR, AND ROUND)
 D. ASTM A-325, TYPE SC OR N - ALL BOLTS FOR CONNECTING STRUCTURAL MEMBERS
 E. ASTM F-1554 07 - ALL ANCHOR BOLTS, UNLESS NOTED OTHERWISE
3. ALL EXPOSED STRUCTURAL STEEL MEMBERS SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION PER ASTM A123. EXPOSED STEEL HARDWARE AND ANCHOR BOLTS SHALL BE GALVANIZED PER ASTM A153 OR B695.
4. ALL FIELD CUT SURFACES, FIELD DRILLED HOLES AND GROUND SURFACES WHERE EXISTING PAINT OR GALVANIZATION REMOVAL WAS REQUIRED SHALL BE REPAIRED WITH (2) BRUSHED COATS OF ZRC GALVILITE COLD GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.
5. DO NOT DRILL HOLES THROUGH STRUCTURAL STEEL MEMBERS EXCEPT AS SHOWN AND DETAILED ON STRUCTURAL DRAWINGS.
6. CONNECTIONS:
 A. ALL WELDING TO BE PERFORMED BY AWS CERTIFIED WELDERS AND CONDUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AWS WELDING CODE D1.1.
 B. ALL WELDS SHALL BE INSPECTED VISUALLY. 25% OF WELDS SHALL BE INSPECTED WITH DYE PENETRANT OR MAGNETIC PARTICLE TO MEET THE ACCEPTANCE CRITERIA OF AWS D1.1. REPAIR ALL WELDS AS NECESSARY.
 C. INSPECTION SHALL BE PERFORMED BY AN AWS CERTIFIED WELD INSPECTOR.
 D. IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE BURNING/WELDING PERMITS AS REQUIRED BY LOCAL GOVERNING AUTHORITY AND IF REQUIRED SHALL HAVE FIRE DEPARTMENT DETAIL FOR ANY WELDING ACTIVITY.
 E. ALL ELECTRODES TO BE LOW HYDROGEN, MATCHING FILLER METAL, PER AWS D1.1, UNLESS NOTED OTHERWISE.
 F. MINIMUM WELD SIZE TO BE 0.1875 INCH FILLET WELDS, UNLESS NOTED OTHERWISE.
 G. PRIOR TO FIELD WELDING GALVANIZING MATERIAL, CONTRACTOR SHALL GRIND OFF GALVANIZING 1/2" BEYOND ALL FIELD WELD SURFACES. AFTER WELD AND WELD INSPECTION IS COMPLETE, REPAIR ALL GROUND AND WELDED SURFACES WITH ZRC GALVILITE COLD GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURERS RECOMMENDATIONS.



AMERICAN TOWER®
A.T. ENGINEERING SERVICE, PLLC
 3500 REGENCY PARKWAY
 SUITE 100
 CARY, NC 27518
 PHONE: (919) 468-0112
 COA: 0012746

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REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	KTL	10/11/18
1	UPDATED ADDRESS	KL	10/29/18

ATC SITE NUMBER:
413178

ATC SITE NAME:
SOUTH SALINA NY

SITE ADDRESS:
 339 WEBSTER AVE
 SYRACUSE, NY 13205

SEAL:



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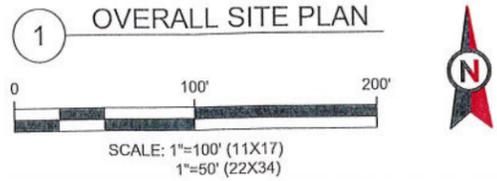
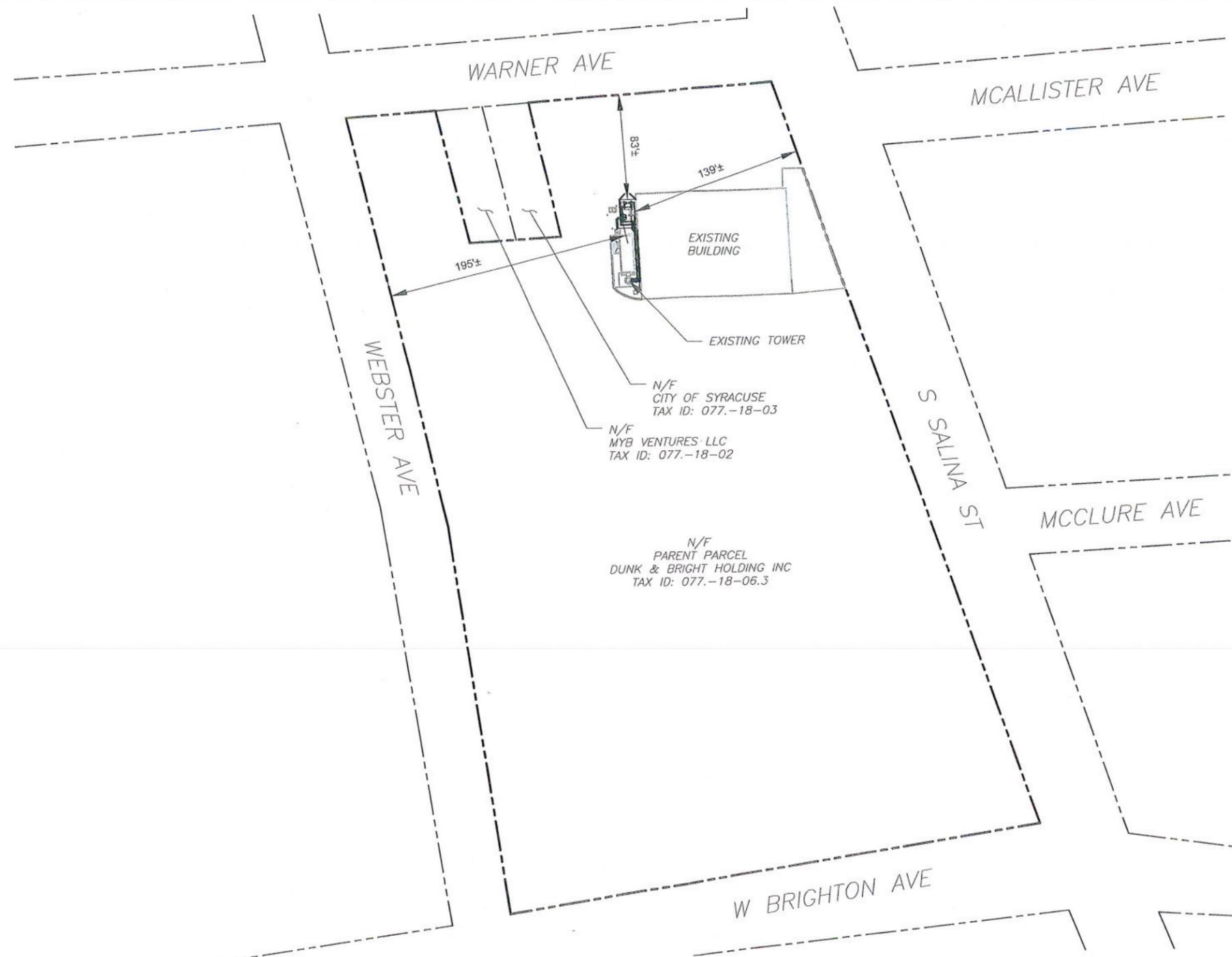
DRAWN BY:	BP
APPROVED BY:	KRF
DATE DRAWN:	10/11/18
ATC JOB NO:	12613623

GENERAL NOTES

SHEET NUMBER: G-002	REVISION: 1
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NOTES:
 1. BOUNDARY LINES OBTAINED FROM DATATREE ONLINE GIS.



LEGEND	
EXISTING PROPERTY LINE	---
EXISTING PROPERTY LINE ADJACENT	- - - -
EXISTING EASEMENT	- · - · -



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 A.T. ENGINEERING SERVICE, PLLC
 3500 REGENCY PARKWAY
 SUITE 100
 CARY, NC 27518
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REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	KTL	10/11/18
1	UPDATED ADDRESS	KL	10/29/18

ATC SITE NUMBER:
413178

ATC SITE NAME:
SOUTH SALINA NY

SITE ADDRESS:
 339 WEBSTER AVE
 SYRACUSE, NY 13205



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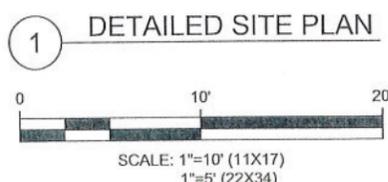
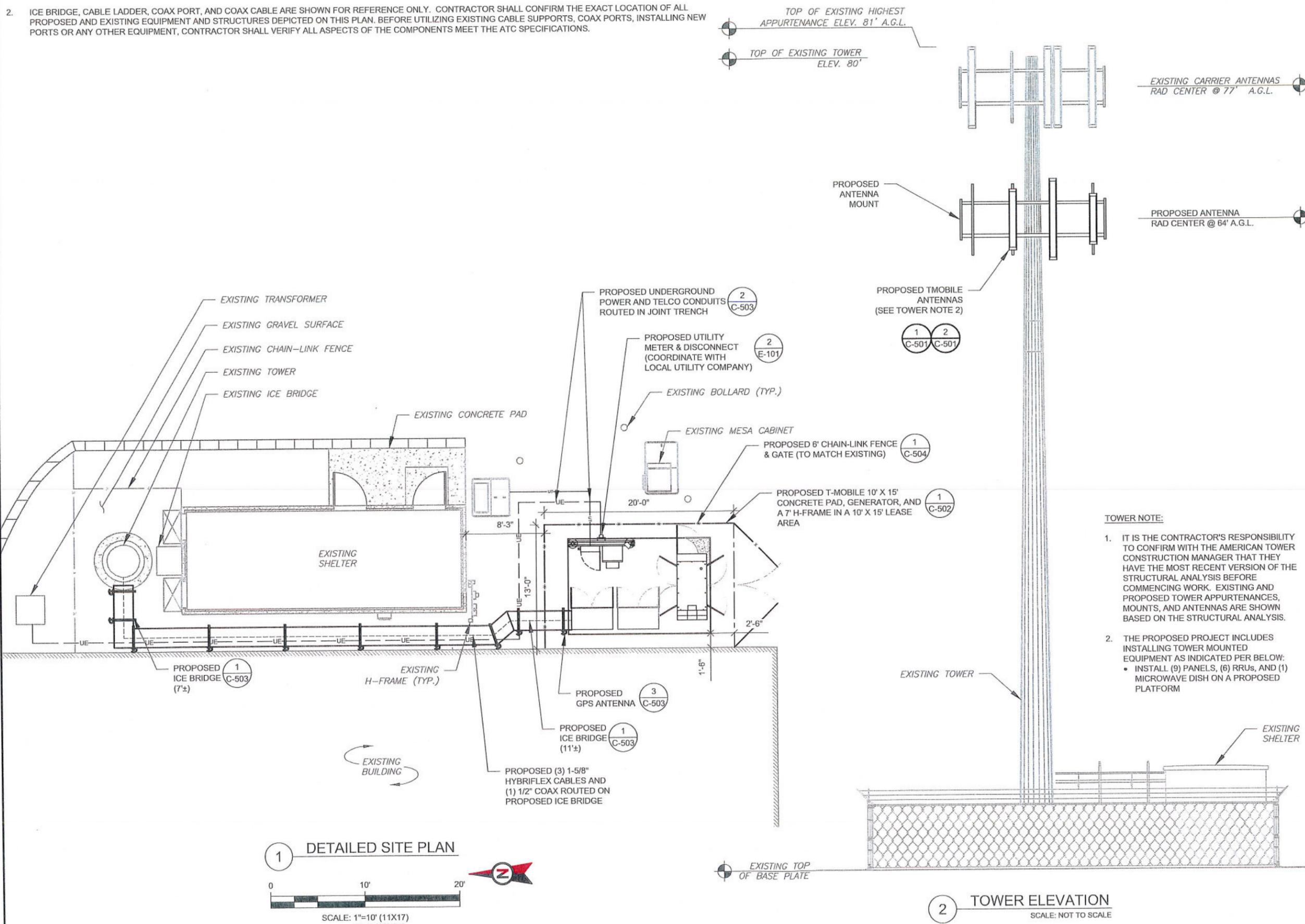
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APPROVED BY:	KRF
DATE DRAWN:	10/11/18
ATC JOB NO:	12613623

OVERALL SITE PLAN	
SHEET NUMBER: V-101	REVISION: 1

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SITE PLAN NOTES:

1. THIS SITE PLAN REPRESENTS THE BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF THIS DESIGN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION AND VERIFY ALL EXISTING CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT.
2. ICE BRIDGE, CABLE LADDER, COAX PORT, AND COAX CABLE ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL CONFIRM THE EXACT LOCATION OF ALL PROPOSED AND EXISTING EQUIPMENT AND STRUCTURES DEPICTED ON THIS PLAN. BEFORE UTILIZING EXISTING CABLE SUPPORTS, COAX PORTS, INSTALLING NEW PORTS OR ANY OTHER EQUIPMENT, CONTRACTOR SHALL VERIFY ALL ASPECTS OF THE COMPONENTS MEET THE ATC SPECIFICATIONS.



2 TOWER ELEVATION
SCALE: NOT TO SCALE

AMERICAN TOWER®
A.T. ENGINEERING SERVICE, PLLC
3500 REGENCY PARKWAY
SUITE 100
CARY, NC 27518
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0	FOR CONSTRUCTION	KTL	10/11/18
1	UPDATED ADDRESS	KL	10/29/18

ATC SITE NUMBER:
413178

ATC SITE NAME:
SOUTH SALINA NY

SITE ADDRESS:
339 WEBSTER AVE
SYRACUSE, NY 13205



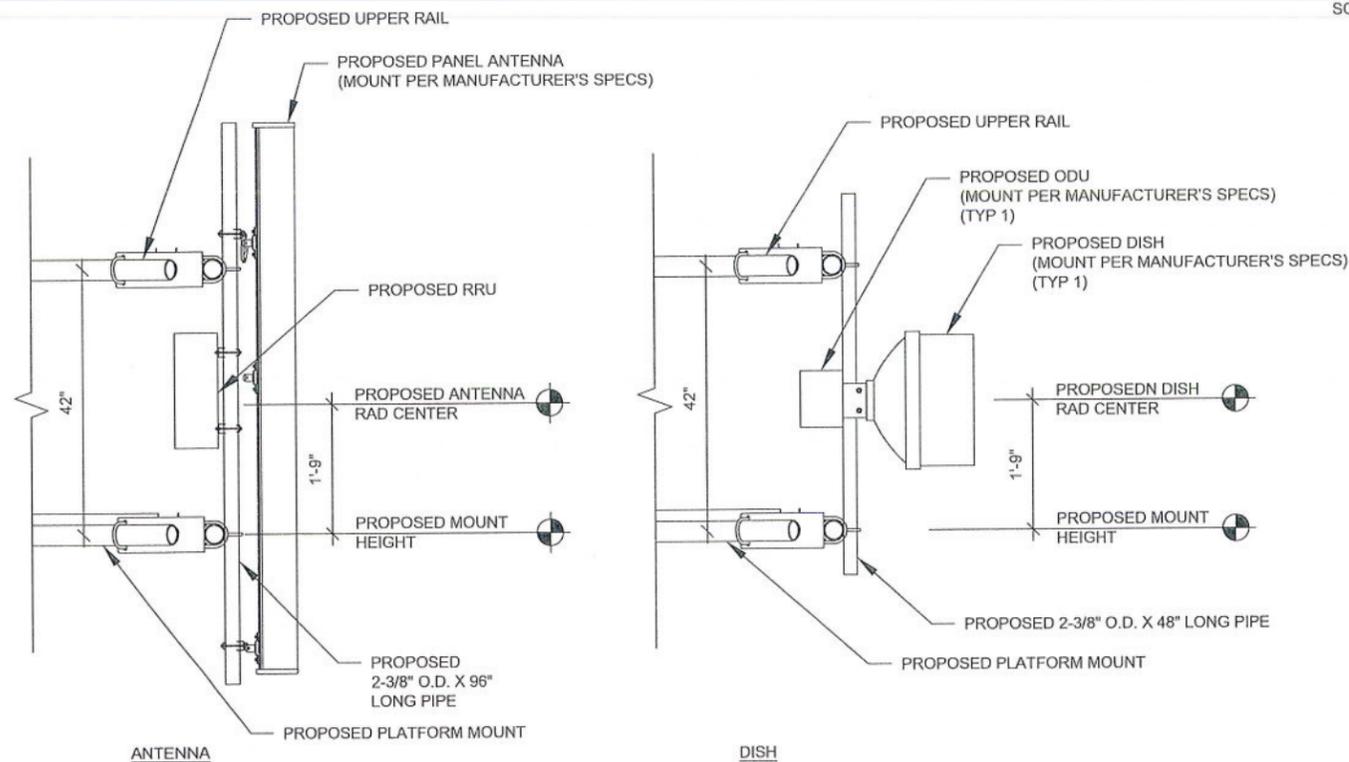
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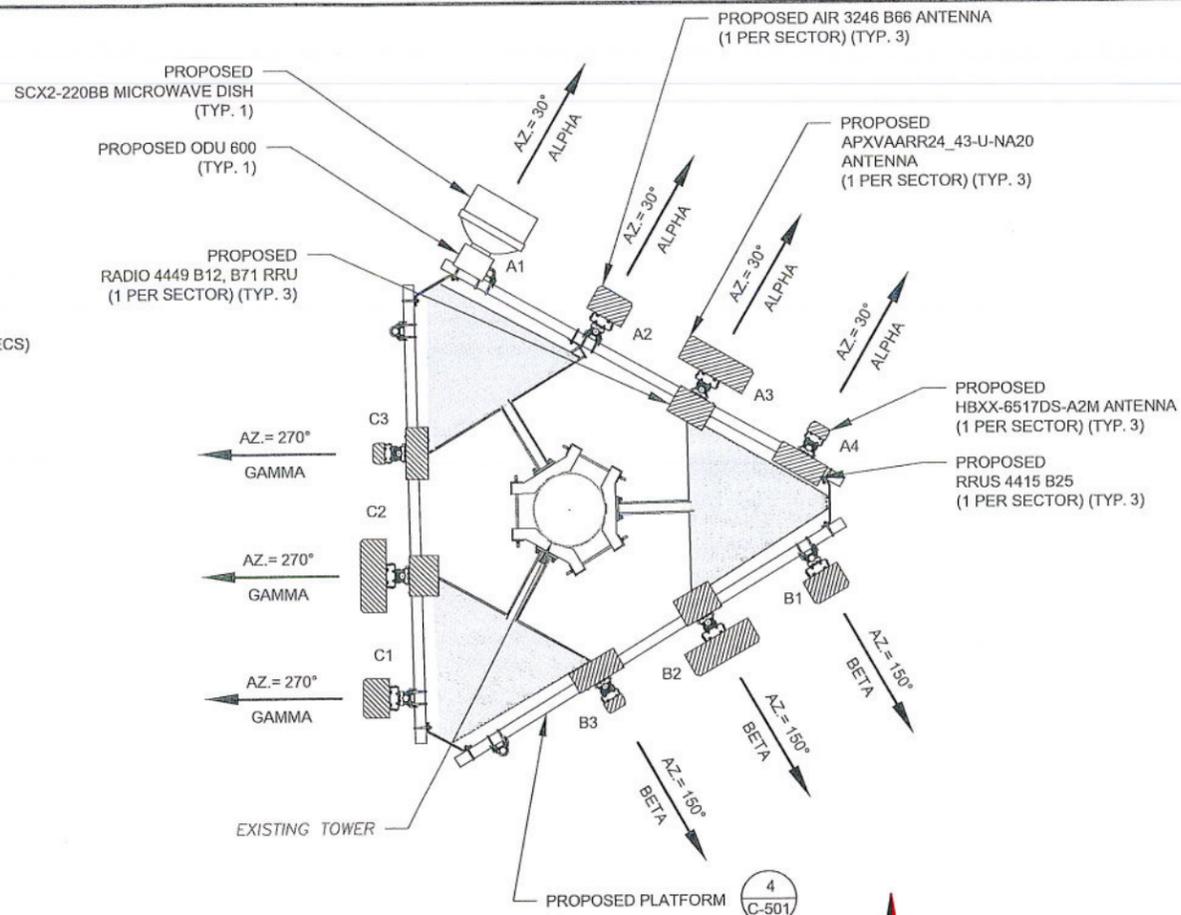
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DATE DRAWN:	10/11/18
ATC JOB NO:	12613623

DETAILED SITE PLAN & TOWER ELEVATION	
SHEET NUMBER: C-101	REVISION: 1

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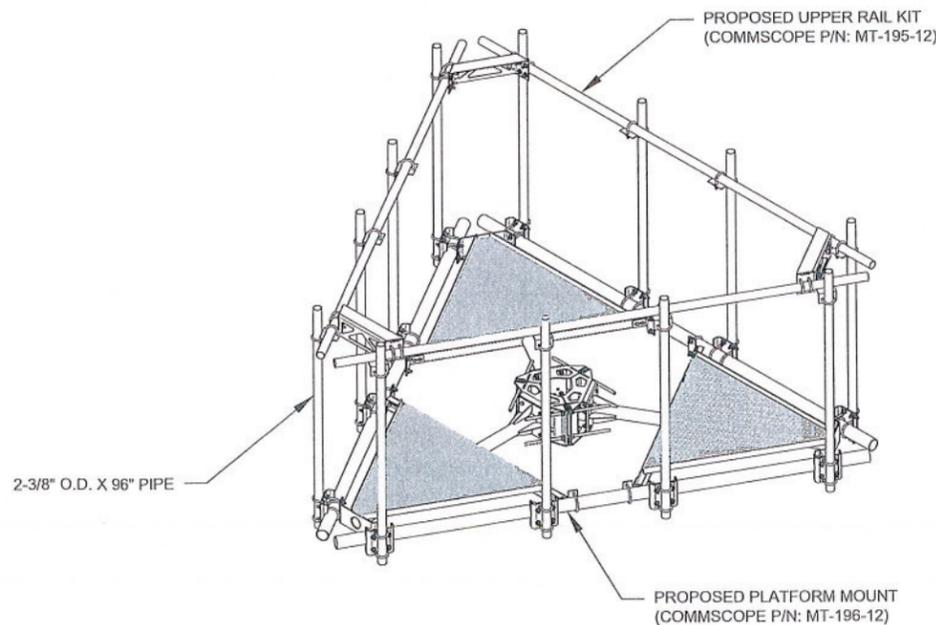
1 PROPOSED ANTENNA MOUNTING DETAIL (ELEVATION)
SCALE: NOT TO SCALE



2 PROPOSED ANTENNA PLAN

NOTES:

- ALL PROPOSED EQUIPMENT INCLUDING ANTENNAS, COAX, ETC. SHALL BE MOUNTED IN ACCORDANCE WITH THE TOWER STRUCTURAL ANALYSIS ON FILE WITH THE ATC CM.
- SPACING OF PROPOSED EQUIPMENT SHALL BE CONFIRMED FOR TOWER CONFLICTS AND PROPOSED MOUNTS SHALL NOT IMPEDE TOWER CLIMBING PEGS.



4 ISOMETRIC PLATFORM DETAIL
SCALE: N.T.S.

FINAL ANTENNA/ COAX SCHEDULE								
SECTOR	ANT.	PANEL MODEL #	RAD CENTER	AZIMUTH (TN)	MECH. D-TILT	ELEC. D-TILT	ADDITIONAL TOWER MOUNTED EQUIPMENT	ANTENNA COAX DESCRIPTION
ALPHA	A1	SCX2-220BB	64'-0"	30°	-	-	ODU 600	1/2"
ALPHA	A2	AIR3246 B66	64'-0"	30°	0°	2°	-	(3) 1-5/8" HYBRID CABLES (135'±)
ALPHA	A3	APXVAARR24_43-U-NA20	64'-0"	30°	0°	2°	RADIO 4449 B12,B71	
ALPHA	A4	HBXX-6517DS-A2M	64'-0"	30°	0°	2°	RRUS 4415 B25	
BETA	B1	AIR3246 B66	64'-0"	150°	0°	2°	-	
BETA	B2	APXVAARR24_43-U-NA20	64'-0"	150°	0°	2°	RADIO 4449 B12,B71	
BETA	B3	HBXX-6517DS-A2M	64'-0"	150°	0°	2°	RRUS 4415 B25	
GAMMA	C1	AIR3246 B66	64'-0"	270°	0°	2°	-	
GAMMA	C2	APXVAARR24_43-U-NA20	64'-0"	270°	0°	2°	RADIO 4449 B12,B71	
GAMMA	C3	HBXX-6517DS-A2M	64'-0"	270°	0°	2°	RRUS 4415 B25	

1. BASED ON APPROVED ATC APPLICATION 12601079, DATED 08-02-2018. CONFIRM WITH T-MOBILE REP FOR APPLICABLE UPDATES/REVISIONS AND MOST RECENT RFDS.

3 ANTENNA SCHEDULE

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3500 REGENCY PARKWAY
SUITE 100
CARY, NC 27518
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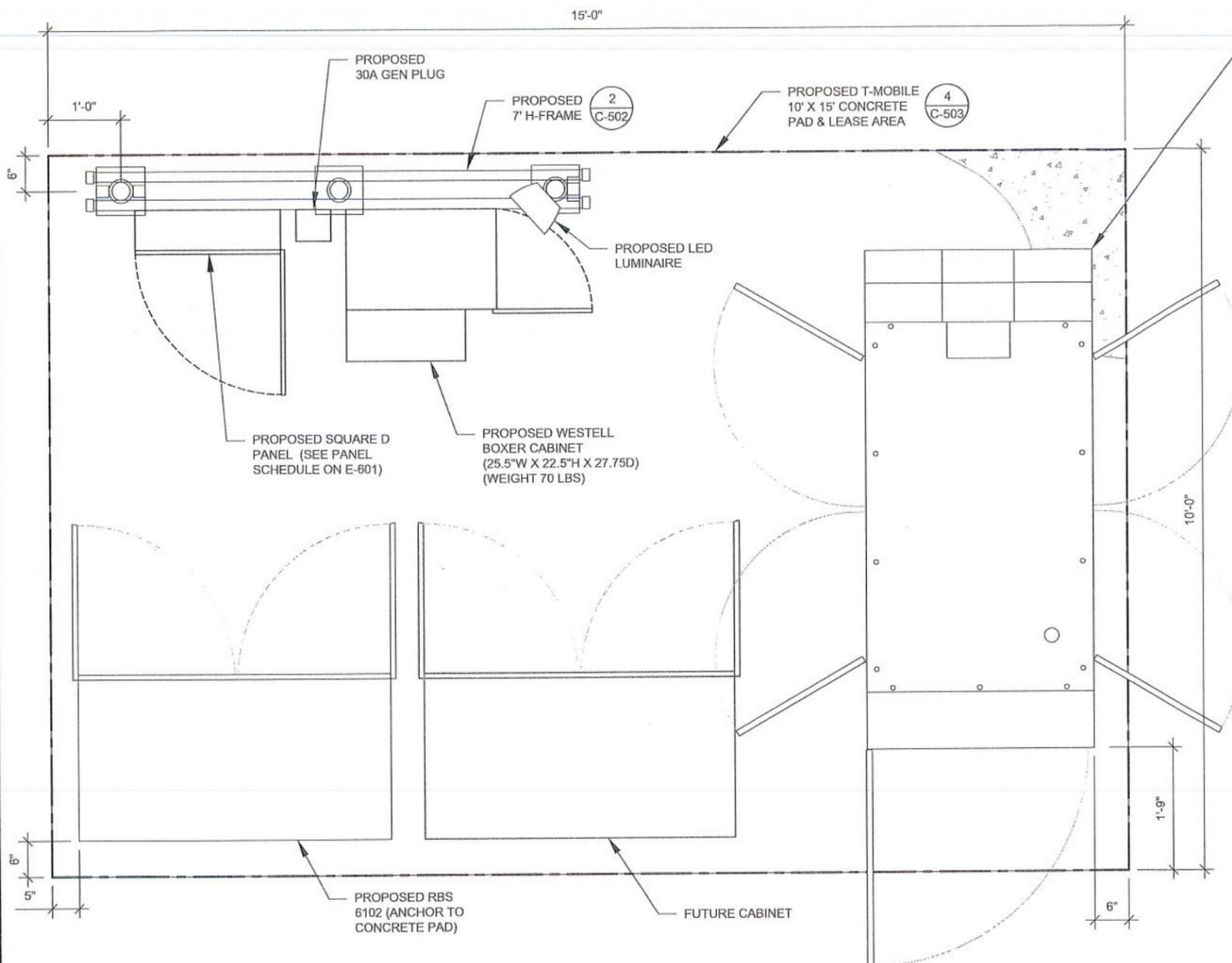
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ANTENNA INFORMATION & SCHEDULE

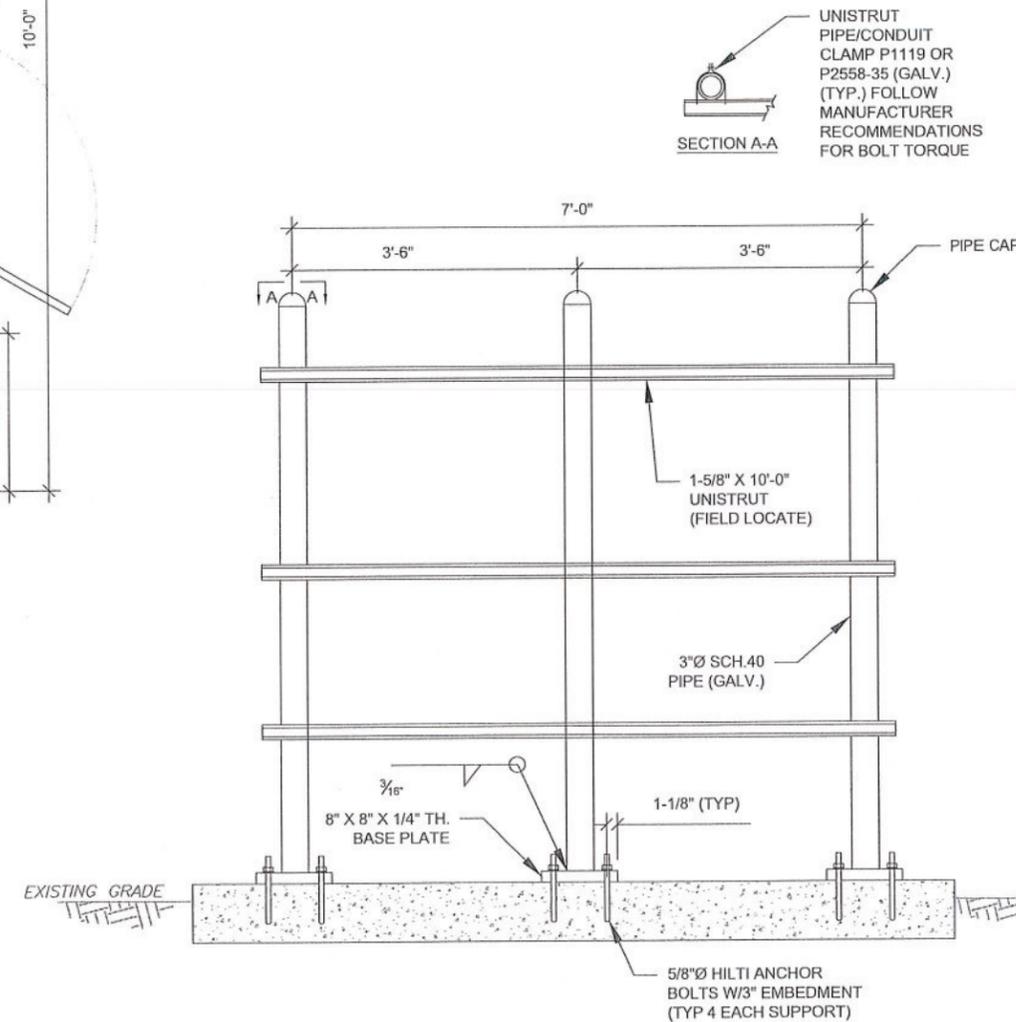
SHEET NUMBER: **C-501** REVISION: **1**



25kW DELTA DIESEL DC GENERATOR
(USE GALVANIZED HILTI EXPANSION ANCHORS OR, APPROVED EQUAL, FOR EQUIPMENT ANCHORAGE)

- NOTE:
 1. CABINETS SHALL BE ORIENTED AND INSTALLED EXACTLY AS SHOWN
 2. WEIGHT OF BTS UNIT IS 859 LBS (390 KG) (WEIGHT IS WITHOUT BATTERIES)

1 DETAILED EQUIPMENT LAYOUT
SCALE: NOT TO SCALE



2 TYPICAL H-FRAME DETAIL
SCALE: NOT TO SCALE

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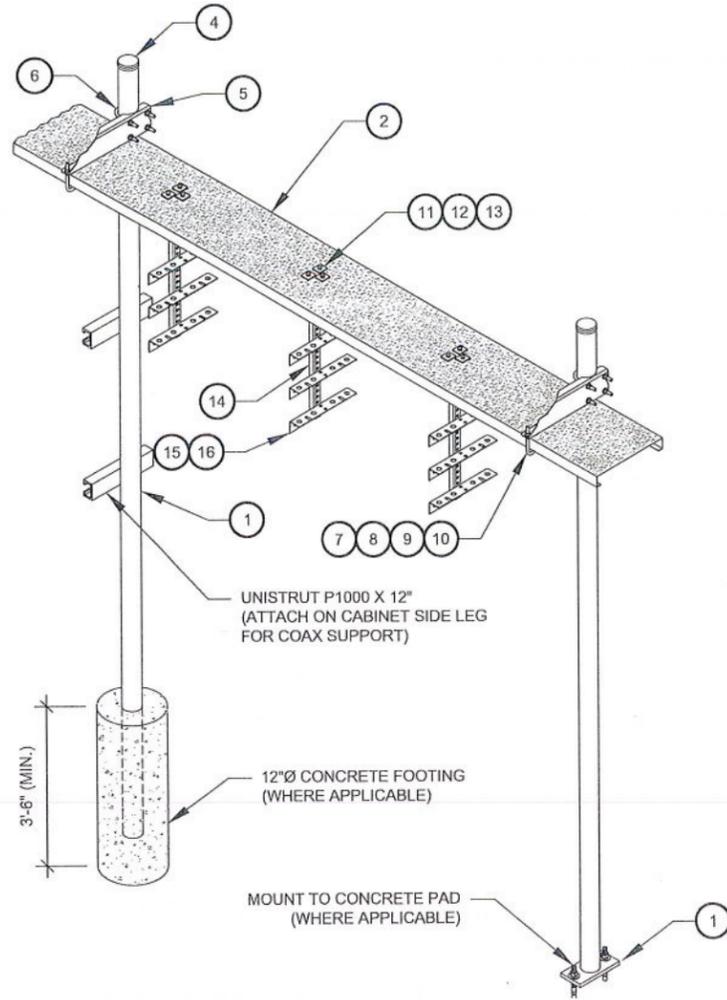
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ATC JOB NO:	12613623

CONSTRUCTION DETAILS	
SHEET NUMBER: C-502	REVISION: 1

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CONSTRUCTION NOTE:

1. INSTALL ICE BRIDGE TO ALLOW 7 FEET CLEARANCE ABOVE GRADE TO LOWEST APPURTENANCE.

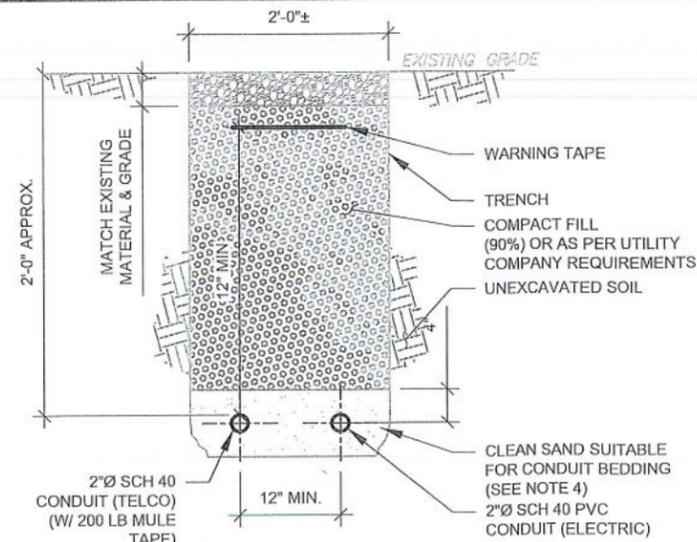


WB-K210-B WAVEGUIDE BRIDGE KIT - BILL OF MATERIALS (INCLUDED WITH KIT UNLESS NOTED OTHERWISE)

ITEM	PART NUMBER	DESCRIPTION	ITEM	PART NUMBER	DESCRIPTION
1	MF126.01 MF-130	10'-4" COLUMN & BASE SHOE* 13'-4" PIPE COLUMN	9	GWL-04	1/2" GALV LOCK WASHER
2	WB-CY210	SAFETY GRATING 24" X 10'	10	GN-04	1/2" GALV HEX NUT
3	WBK110BHK	HARDWARE KIT (ITEMS 4-16)	11	GB-03205	3/8" X 2" GALV BOLT KIT
4	PC-034	PIPE CAP 3-1/2"	12	MT-387	SQUARE WASHER, 1-1/2" X 1-1/2" W/ 7/16" HOLE
5	WBLB243.08	24" WAVEGUIDE BRIDGE SUPPORT BRACKET	13	GWF-03	3/8" GALV FLAT WASHER
6	GUB-4356	1/2" X 3-5/8" X 6" GALV U-BOLT	14	WBT243.01	VERTICAL TRAPEZE SECTION
7	WB-JB-6	1/2" J-BOLT	15	GB-03105	3/8" X 1" GALV BOLT KIT
8	GWF-04	1/2" GALV FLAT WASHER	16	WBT243.02	HORIZONTAL TRAPEZE SECTION

CONTRACTOR SHALL USE PARTS MANUFACTURED BY COMMSCOPE OR APPROVED EQUIVALENT.
*BASE SHOE NOT INCLUDED IN WB-K210-B KIT, ORDER COLUMN SEPARATELY OR KIT WB-K210-S.

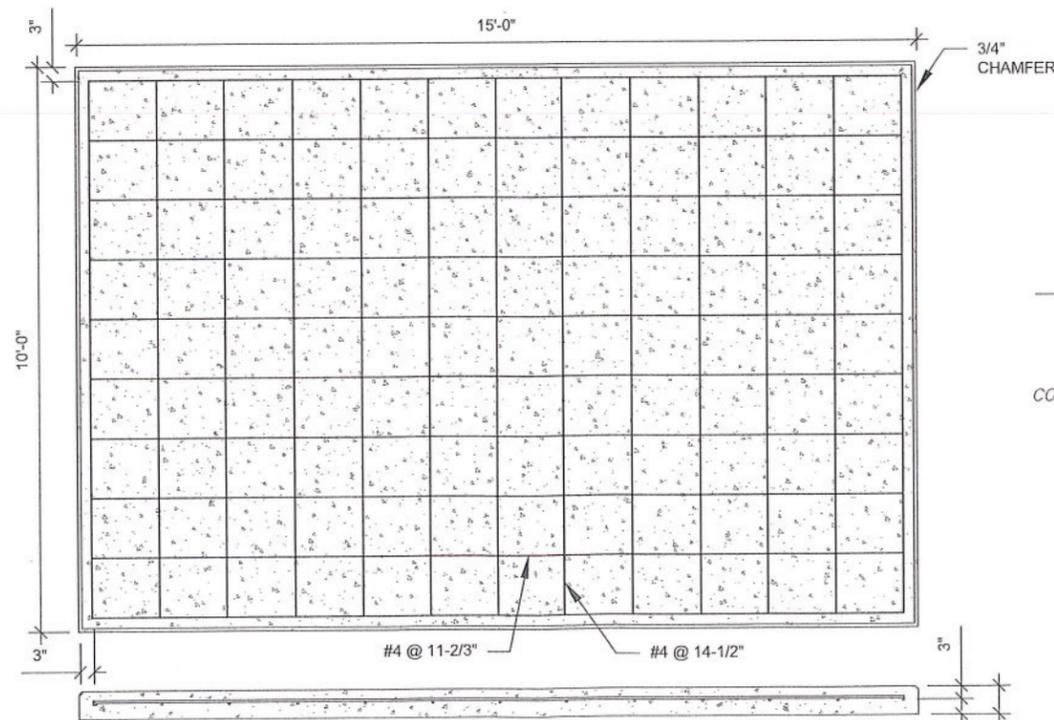
1 WAVEGUIDE BRIDGE KIT
SCALE: NOT TO SCALE



TRENCH NOTES:

1. IF FREE OF ORGANIC OR OTHER DELETERIOUS MATERIAL, EXCAVATED MATERIAL MAY BE USED FOR BACKFILL.
2. IF NOT, PROVIDE CLEAN, COMPACTIBLE MATERIAL. COMPACT IN 8" LIFTS. REMOVE ANY LARGE ROCKS PRIOR TO BACKFILLING. CONTRACTOR TO VERIFY LOCATION OF EXISTING U/G UTILITIES PRIOR TO DIGGING.
3. IF CURRENT AS-BUILT DRAWINGS ARE NOT AVAILABLE CONTRACTOR SHALL HAND DIG U/G TRENCHING.
4. CONCRETE ENCASE CONDUIT WHEN TRENCHING UNDER SITE ACCESS ROAD.

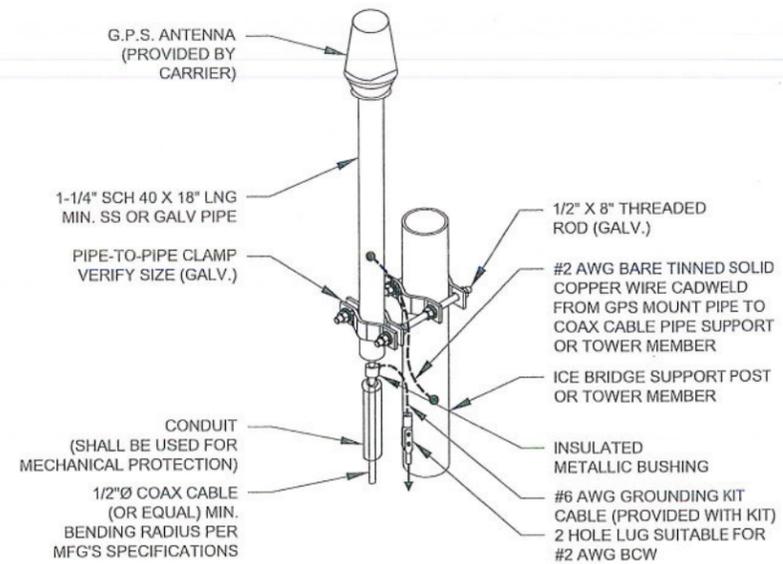
2 TELCO AND POWER CONDUIT JOINT TRENCH
SCALE: N.T.S.



PAD NOTES:

1. PADS SHALL BE PRE-CAST MATCHING THIS DESIGN WHERE ALLOWED BY LOCAL JURISDICTION.
2. REFER TO CONCRETE & REINFORCED STEEL NOTES ON SHEET G-002 & ATC SPEC 033000 FOR CAST-IN-PLACE PADS.

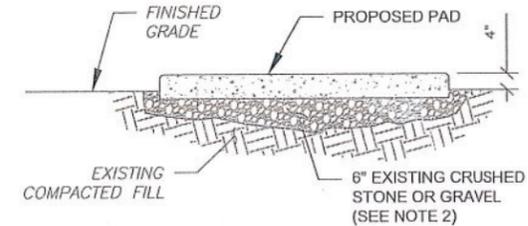
4 REINFORCED PAD LAYOUT
SCALE: N.T.S.



NOTE:

1. GPS SHALL BE PLACED WITH CLEAR SIGHT LINE TO THE SOUTHERN SKY.
2. CONTRACTOR TO SUPPLY COAX FOR GPS UNIT.

3 GPS ANTENNA ATTACHMENT DETAIL
SCALE: NOT TO SCALE



PAD NOTES:

1. SUBGRADE AND FILL SHALL CONSIST OF CLEAN SOIL. DELETERIOUS MATERIAL AND ORGANICS SHALL BE REMOVED.
2. MECHANICALLY COMPACT FOOTPRINT OF PAD PLUS 2' PERIMETER.
3. USE GALVANIZED HILTI EXPANSION ANCHORS OR, APPROVED EQUAL, FOR EQUIPMENT ANCHORAGE.
4. FOR SIZE AND LOCATION OF ANCHORS AND OTHER REQUIREMENT, SEE EQUIPMENT VENDOR DRAWINGS.

5 GRAVEL PREPARATION
SCALE: N.T.S.



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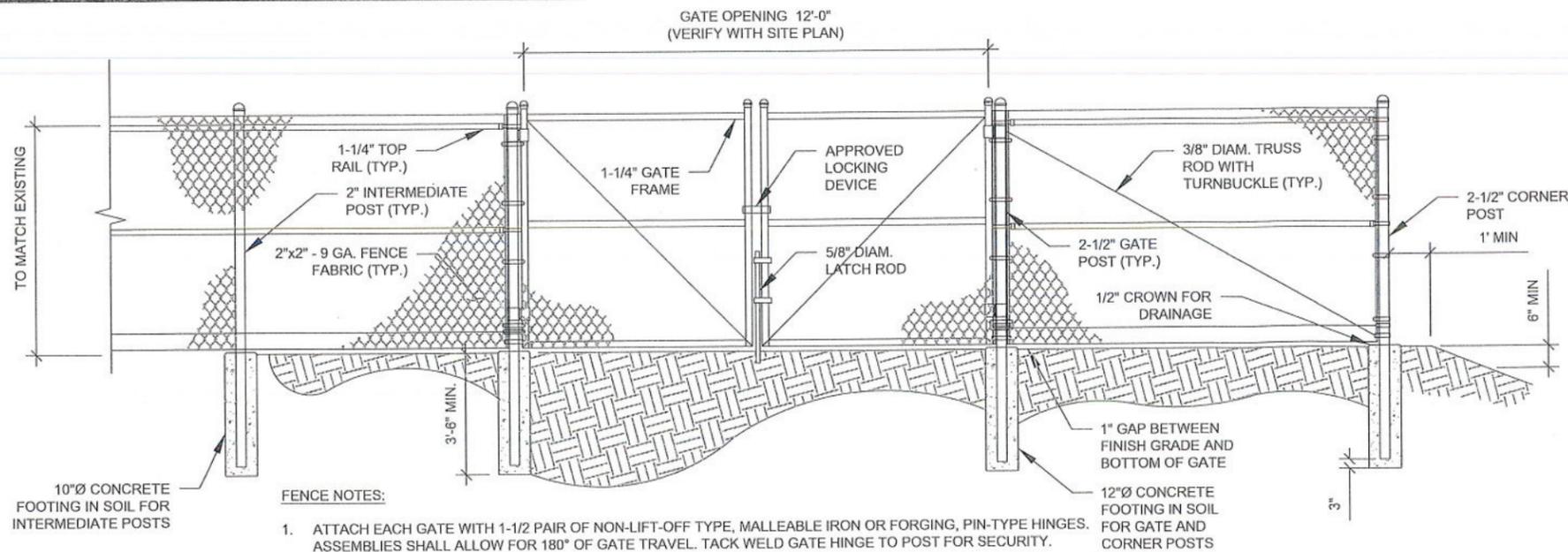
**CONSTRUCTION
DETAILS**

SHEET NUMBER:

C-503

REVISION:

1



FENCE NOTES:

1. ATTACH EACH GATE WITH 1-1/2 PAIR OF NON-LIFT-OFF TYPE, MALLEABLE IRON OR FORGING, PIN-TYPE HINGES. ASSEMBLIES SHALL ALLOW FOR 180° OF GATE TRAVEL. TACK WELD GATE HINGE TO POST FOR SECURITY.
2. POSTS NOT TO EXCEED A MAXIMUM SEPARATION OF 10 FEET.

AMERICAN TOWER MASTER SPECIFICATION:

1. DIVISION 32 EXTERIOR IMPROVEMENTS SECTION 0323113 FOR CHAIN LINK FENCE AND GATES

1 GATE AND FENCE DETAIL
SCALE: NOT TO SCALE



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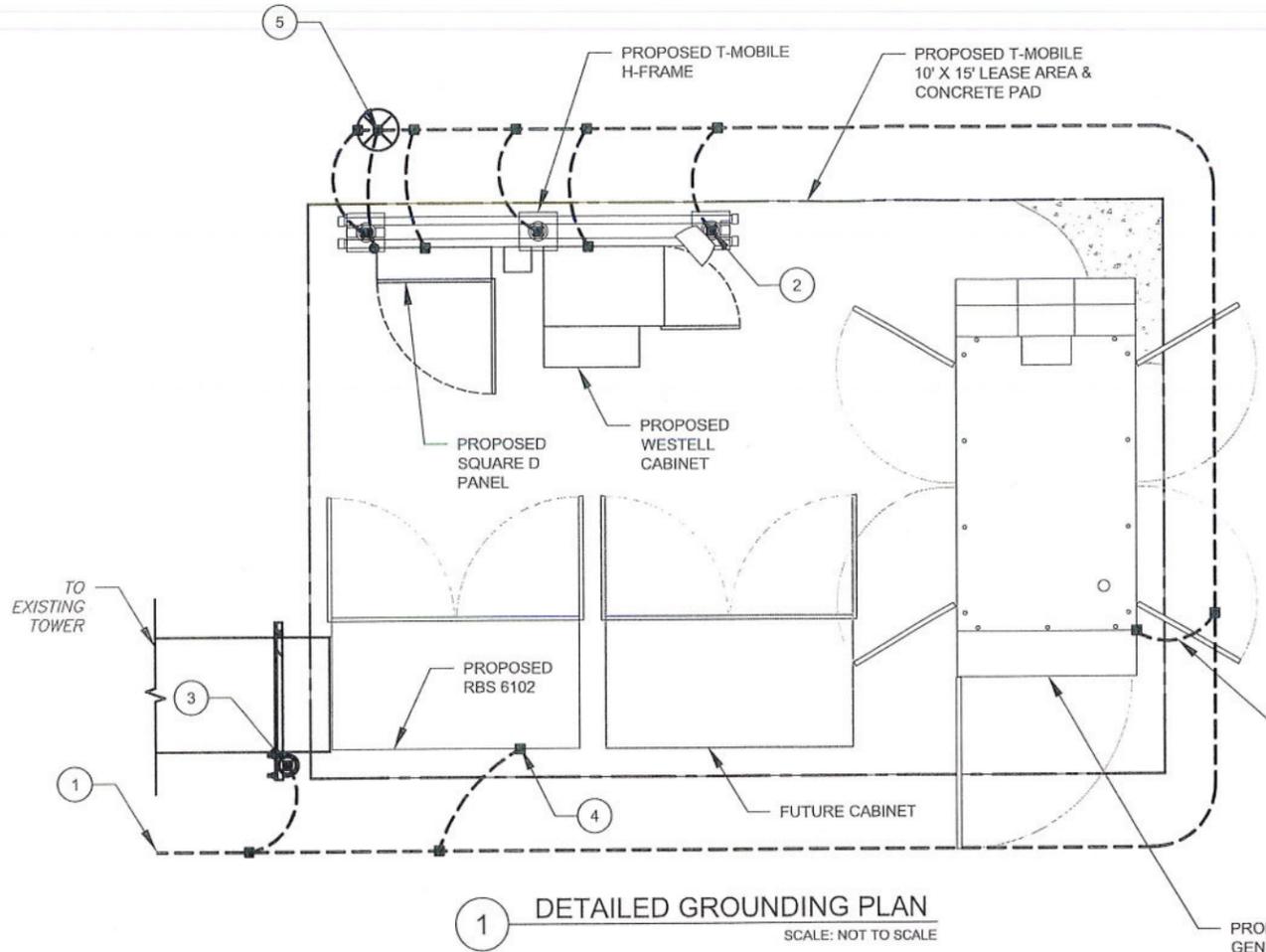
GROUNDING NOTES:

- ALL EQUIPMENT ENCLOSURES, DEVICES AND CONDUITS SHALL BE GROUNDED TO CONFORM WITH THE LATEST REQUIREMENTS OF THE NEC BY THE INSTALLATION OF A SEPARATE, GREEN, INSULATED GROUND CONDUCTOR FOR ALL FEEDER AND BRANCH CIRCUITS. GROUND CONDUCTORS SHALL BE OF THE SIZE INDICATED ON THE DRAWINGS. GROUND CONDUCTORS SHALL BE CONTINUOUS IN LENGTH AND SHALL BE BONDED TO EACH ENCLOSURE THEY PASS THROUGH. CONDUIT SHALL NOT BE USED AS A GROUNDING CONDUCTOR.
- GROUNDING CONDUCTORS SHALL:
 - BE #2 AWG SOLID BARE TINNED COPPER (SBTC) FOR ALL GROUNDING SYSTEM WIRE UNLESS OTHERWISE NOTED, OR OTHERWISE REQUIRED BY CODE.
 - BE MINIMUM 12" BEND RADIUS. KEEP NUMBER OF BENDS TO A MINIMUM.
 - AVOID LONG BONDING CONNECTION RUNS. MAKE DIRECT AS POSSIBLE.
 - NOT HAVE ANY U-SHAPED RUNS.
 - BE IN NON-METALLIC CONDUIT ONLY, IF IN CONDUIT.
 - BE PLACED THROUGH NON-METALLIC SLEEVES IN FLOORS, WALLS, CEILINGS, ETC.
 - PROTECTED IN NON-METALLIC CONDUIT WHERE EXPOSED ABOVE GRADE.
- INSTALL ALL GROUNDING RINGS AND RADIALS WITH CONDUCTIVE CEMENT, SANKOSHA AS DISTRIBUTED BY ELECTRIC MOTION COMPANY, INC., WINSTED, CT 06098, OR AS SPECIFICALLY INDICATED. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
- GROUND RINGS SHALL BE:
 - MINIMUM 30" BELOW GRADE, OR BELOW FROST LINE WHICHEVER IS DEEPER.
 - MINIMUM 2' FROM FOUNDATIONS, FOOTINGS, OTHER GROUNDING SYSTEMS AND ALL CONDUCTIVE OBJECTS.
 - WITH MINIMUM 12" BEND RADII.
 - WITH ALL CONNECTIONS IN CONTACT WITH EARTH, BONDED BY EXOTHERMIC WELDING.
 - BONDED TO A SINGLE POINT GROUND (SPG) WITH A SINGLE WIRE AS INDICATED ON DRAWINGS.
- GROUND RODS SHALL BE:
 - MINIMUM 5/8" DIAMETER.
 - MINIMUM 10' LONG.
 - COPPER-CLAD GALVANIZED STEEL OR STAINLESS STEEL.
 - PLACED IN UNDISTURBED SOIL AND BELOW THE FROST LINE.
 - INSTALLED WITH MINIMUM SEPARATION DISTANCE OF TWICE THE DEPTH OF THE ROD(S), OR AS INDICATED ON DRAWINGS.
 - MINIMUM TWO (2) RODS ON THE TOWER RING OR ONE (1) PER LEG WHICHEVER IS LARGER, MINIMUM FOUR (4) RODS ON EVERY EQUIPMENT BUILDING RING WITH ONE AT EACH CORNER OR AS INDICATED, MINIMUM ONE (1) ROD FOR POWER SERVICE GROUNDING ELECTRODE, AND MINIMUM ONE (1) ROD AT END OF EACH RADIAL.
- CONDUCTIVE OBJECTS, SUCH AS FENCES, SHALL BE BONDED TO THE GROUNDING SYSTEM IF WITHIN 20' OF THE TOWER GROUNDING SYSTEM, OR 5' OF ANY OTHER GROUNDED COMPONENT.

EQUIPMENT POWER NOTES:

- 2" CONDUIT W/ 3-#3/0 CU, (1) #6 AWG G, PPC POWER
- 2" CONDUIT FOR TELCO FEEDER SERVICE TO TELCO SOURCE PER UTILITY
- 2-#12, 1-#12G IN 3/4" CONDUIT FROM RAC24 TO 6102
- 3-#1, 1-#8 IN 2" CONDUIT
- 2" CONDUIT, FOR CAT5
- CONNECTION FROM DELTA DC GENERATOR TO 6102 PER MANUFACTURER SPECIFICATION

NOTE:
ALL EQUIPMENTS' SHORT-CIRCUIT CURRENT RATING SHALL EXCEED AVAILABLE FAULT CURRENT PER UTILITY



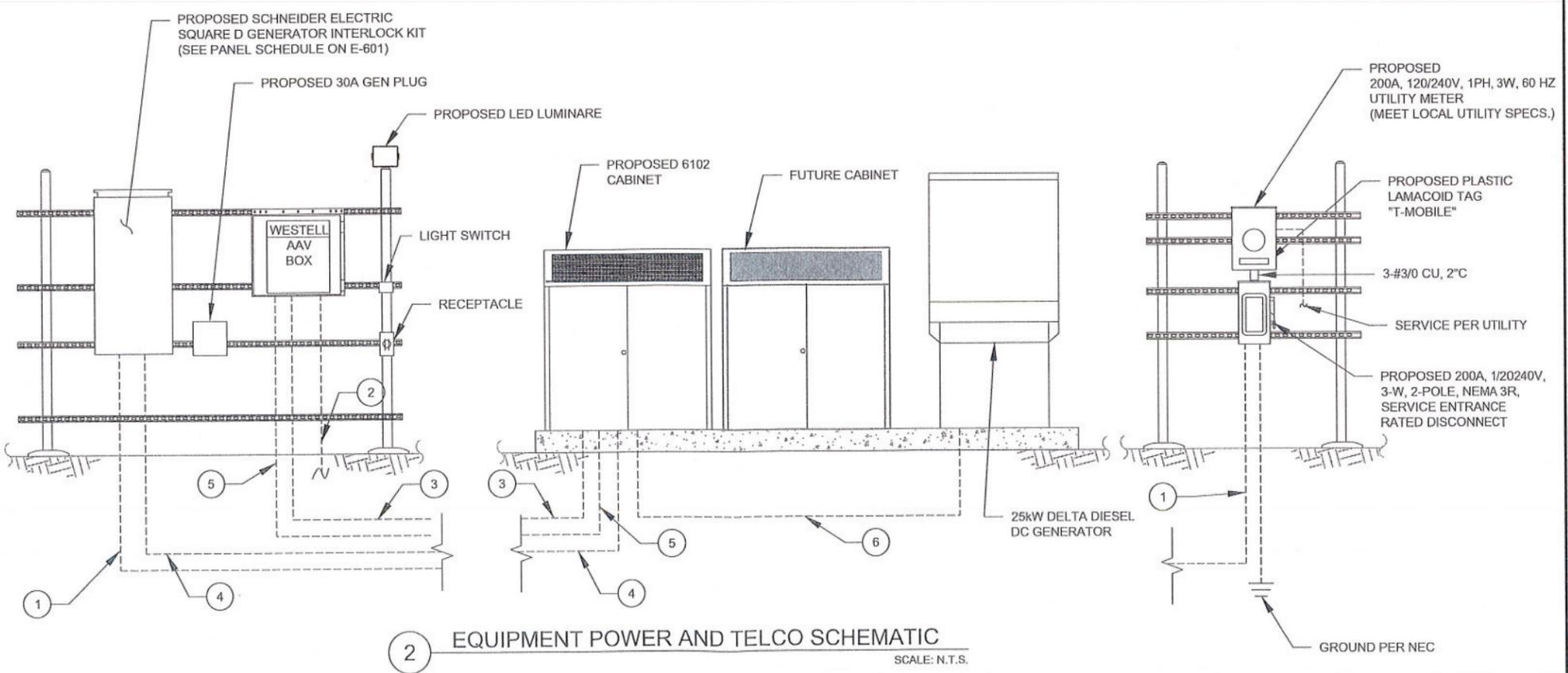
1 DETAILED GROUNDING PLAN
SCALE: NOT TO SCALE

GROUNDING PLAN LEGEND:

---	EXISTING GROUND WIRE	⊗	COPPER GROUND ROD
---	GROUND WIRE	⊗	TEST WELL
■	EXOTHERMIC WELD		
●	MECHANICAL WELD		

GROUNDING KEYED NOTES:

- BOND TO TOWER GROUND RING
- #2 AWG BOND FROM VERTICAL H-FRAME AND ICE BRIDGE POST TO EXTERNAL GROUND RING (TYP. EVERY POST).
- #2 AWG SBTC BOND FROM TOWER GROUND RING TO EQUIPMENT.
- EQUIPMENT BOND TO GROUND RING (TYP.)
- 5/8" X 10 FT GROUND ROD.



2 EQUIPMENT POWER AND TELCO SCHEMATIC
SCALE: N.T.S.

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3500 REGENCY PARKWAY
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GROUNDING PLAN AND SCHEMATIC	
SHEET NUMBER:	REVISION:
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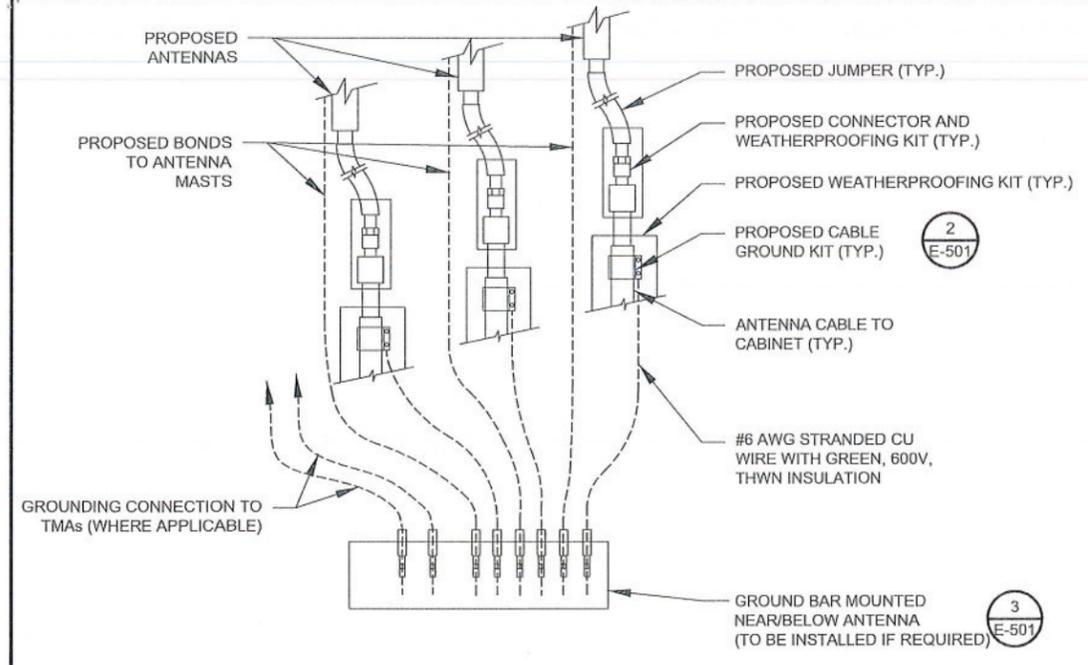
GROUNDING DETAILS

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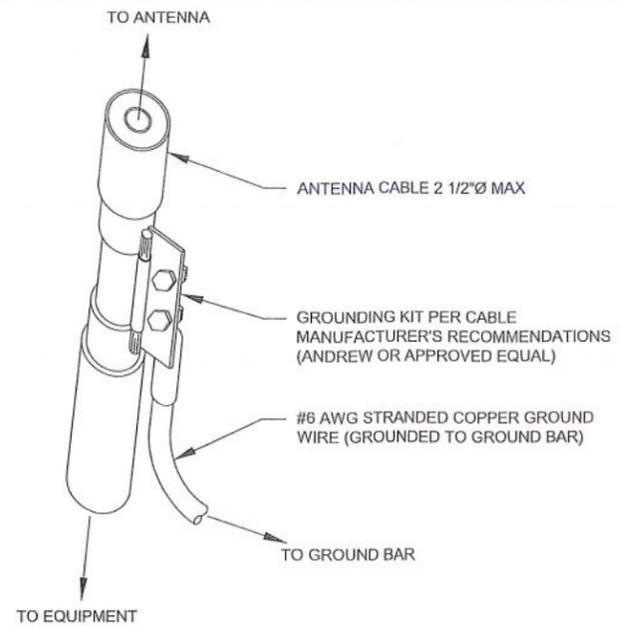
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NOTES:

1. THIS DETAIL IS INTENDED TO SHOW THE GENERAL GROUNDING REQUIREMENTS. SLIGHT ADJUSTMENTS MAY BE REQUIRED BASED ON EXISTING SITE CONDITIONS. THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS AS NEEDED AND INFORM THE CONSTRUCTION MANAGER OF ANY CONFLICTS.
2. SITE GROUNDING SHALL COMPLY WITH T-MOBILE GROUNDING STANDARDS, LATEST EDITION, AND COMPLY WITH T-MOBILE GROUNDING CHECKLIST, LATEST VERSION. WHEN NATIONAL AND LOCAL GROUNDING CODES ARE MORE STRINGENT THEY SHALL GOVERN.

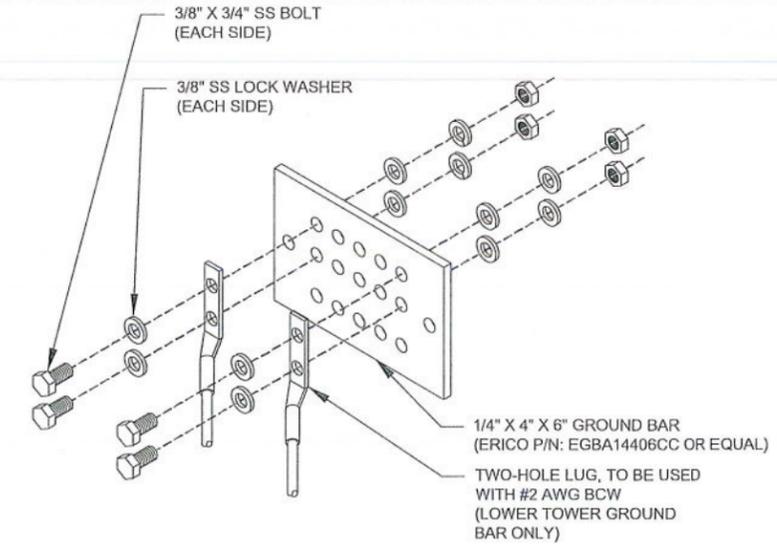
1 TYPICAL ANTENNA GROUNDING DIAGRAM
 SCALE: NOT TO SCALE



GROUND KIT NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
2. CONTRACTOR SHALL PROVIDE WEATHERPROOFING KIT (ANDREW PART NUMBER 221213) AND INSTALL/TAPE PER MANUFACTURER'S SPECIFICATIONS.

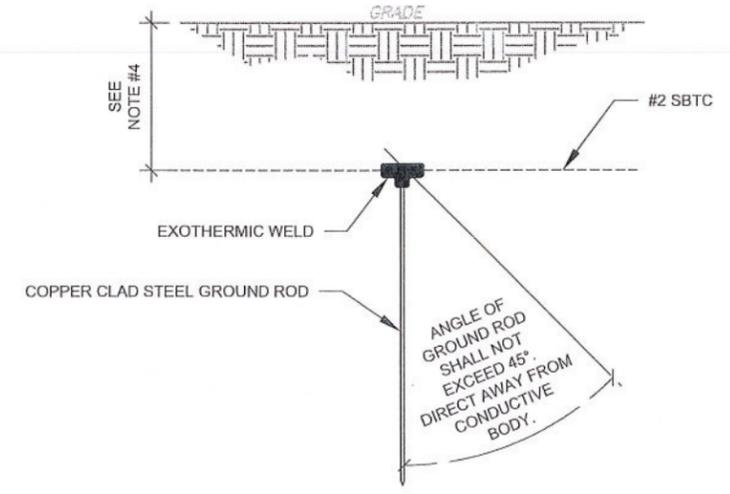
2 CABLE GROUND KIT CONNECTION DETAIL
 SCALE: NOT TO SCALE



GROUND BAR NOTES:

1. GROUND BAR KITS COME WITH ALL HARDWARE, NUTS, BOLTS, WASHERS, ETC. EXCEPT THE STRUCTURAL MOUNTING MEMBER(S).
2. GROUND BAR TO BE BONDED DIRECTLY TO TOWER.

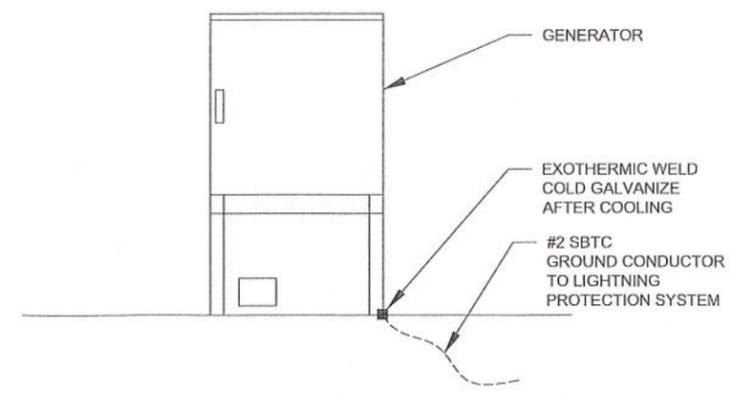
3 TOWER GROUND BAR DETAIL
 SCALE: NOT TO SCALE



NOTES:

1. SEPARATION DIMENSION TO BE VERIFIED WITH LOCAL UTILITY COMPANY REQUIREMENTS.
2. COORDINATE UTILITY, LOCATE BEFORE DIGGING.
3. CONDUIT TRENCHING DEPTHS AT 36" OR 6" BELOW FROST LINE, WHICHEVER IS GREATER.
4. ALL RING AND RADIAL DEPTHS AT 30" OR 6" BELOW FROST LINE, WHICHEVER IS GREATER.

4 GROUND ROD DETAIL
 SCALE: NOT TO SCALE



GENERATOR INSTALLATION NOTE:

INSTALL GENERATOR AND TRANSFER SWITCH WITH ALL SUPPLIED ACCESSORIES PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND SPECIFICATIONS. THIS INCLUDES, BUT IS NOT LIMITED TO, ACCESSORIES FOR THE EXHAUST SYSTEM, FUEL SYSTEM, ENCLOSURE INTEGRITY (CAPS, PLUGS, COVERS, ETC.), ELECTRICAL CONNECTIONS, AND GROUNDING CONNECTIONS.

5 GENERATOR GROUNDING
 SCALE: NOT TO SCALE

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AMERICAN TOWER®
A.T. ENGINEERING SERVICE, PLLC
 3500 REGENCY PARKWAY
 SUITE 100
 CARY, NC 27518
 PHONE: (919) 468-0112
 COA: 0012746

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PANEL DESIGNATION: TMO	TYPE: LIGHTING & APPLIANCE	SYSTEM: 120/240V, 1Ø, 3W, 20 CKT	LOCATION: T-MOBILE LEASE AREA
MOUNTING: SURFACE	ENCLOSURE: NEMA 3R	MAIN BREAKER (MB): 200A MCB	PANEL NOTES: SCHNEIDER ELECTRIC SQ D PANEL WITH SQ D MANUAL TRANSFER SWITCH INTERCONNECT KIT
		MAIN BUS RATING: 200A	
		MIN. A.I.C. RATING: 22KAIC	

REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	KTL	10/11/18
1	UPDATED ADDRESS	KL	10/29/18

CONNECTED LOAD (kVA)		BRIEF DESCRIPTION	FEEDER OR BRANCH CIRCUIT							CIRCUIT NOTES	FEEDER OR BRANCH CIRCUIT							CONNECTED LOAD (kVA)					
A	B		BREAKER		CIRCUIT			POLE	CIRCUIT NO.		COND.	GND	WIRE	BREAKER		CIRCUIT NO.	COND.	GND	WIRE	POLES	AMPS	A	B
			A MPS	POLES	WIRE	GND	COND.	NO.															
9.60		6102 CABINET	100	2	3-#1	1-#8	2"	1	(2)	(3)	1"	1-#10	3-#10	2	30	GENERATOR RECEPTACLE	0.00						
	9.60		3	4																			
0.00								5		(1)	6	3/4"	1-#12	2-#12	1	15	RECEPTACLE	0.18					
	0.00							7		(1)	8	3/4"	1-#12	2-#12	1	15	LIGHT		0.50				
0.00								9										0.00					
	0.00							11											0.00				
0.00								13											0.00				
	0.00							15											0.00				
0.00								17											0.00				
	0.00							19											0.00				
9.6	9.6																			0.2	0.5		
								A	B	TOTAL											CONNECTED LOAD (kVA)		
								9.8	10.1	19.9											DEMAND LOAD (kVA)		
								9.8	10.1	19.9													

- CIRCUIT NOTES**
- 1) KNOWN LOAD FOR LOAD CAPACITY ASSESSMENT
 - 2) UNKNOWN LOAD, MAX DEMAND ASSUMED FOR LOAD CAPACITY ASSESSMENT.
 - 3) CIRCUIT TO BACKFEED POWER VIA RELIANCE GENERATOR RECEPTACLE WITH SQUARE D INTERLOCK KIT INSTALLED ON PANEL.

DERATING FACTOR (80%)
 DEMANDLOAD SIZING: 105 AMPS

1 PANEL SCHEDULE
 SCALE: NOT TO SCALE

ATC SITE NUMBER:
413178
 ATC SITE NAME:
SOUTH SALINA NY
 SITE ADDRESS:
 339 WEBSTER AVE
 SYRACUSE, NY 13205



Authorized by "EOR"
 Oct 29 2018 2:39 PM *cosign*



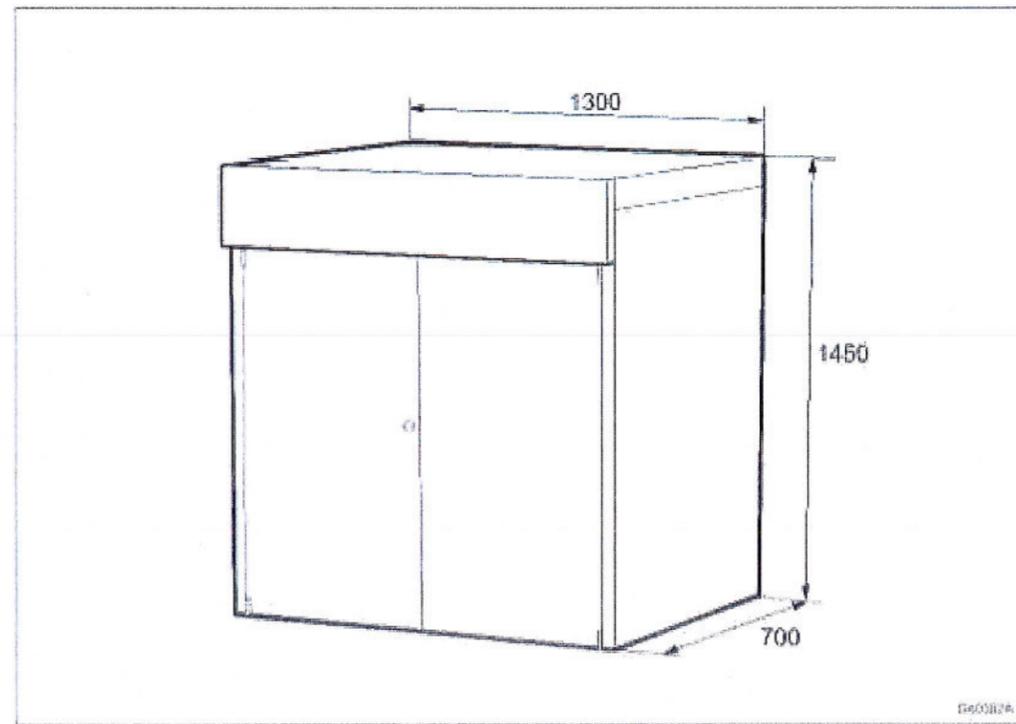
DRAWN BY:	BP
APPROVED BY:	KRF
DATE DRAWN:	10/11/18
ATC JOB NO:	12613623

PANEL SCHEDULE

SHEET NUMBER:	REVISION:
E-601	1

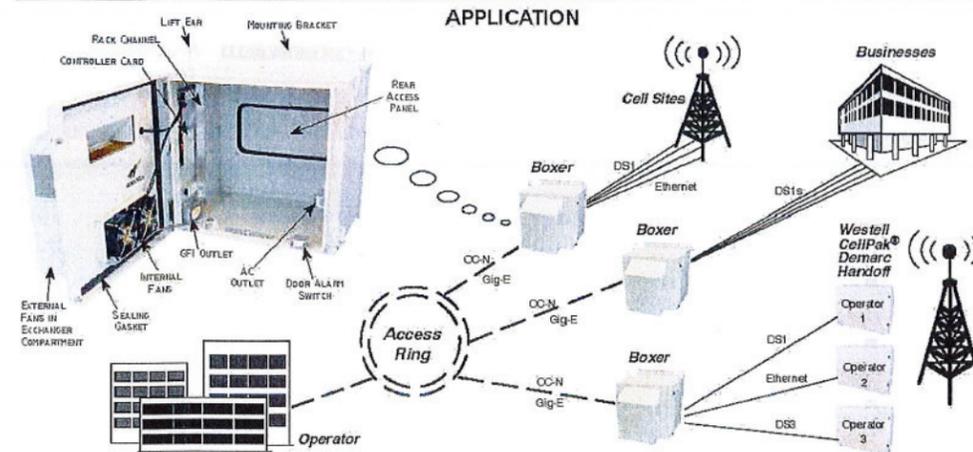
Table 1 Dimensions, Weight, and Color

Dimensions	
Height	1450 mm
Width	1300 mm
Depth	700 mm
Weight	
RBS (standard equipped) without backup batteries	390 kg
Color	
Gray	Reference number: RAL 7035, glossy



1 CABINET CONFIGURATION
SCALE: NOT TO SCALE

Boxer BXM1019-NHE3 & BXM1019-NHE3G Outdoor Cabinets
Application, Specifications & Ordering Information



Ordering Information

A90-BXM1019-NHE3 & A90-BXM1019-NHE3G

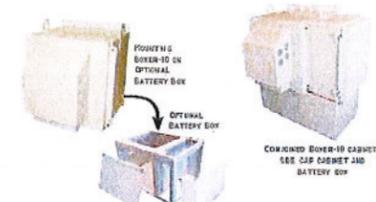
10-RU Main Boxer cabinet, actively-cooled, 400W ±24-48Vdc heat exchanger cooling, temp-controlled (-NHE3G only is GR-487 lss, 4 compliant and has pin-in-hex bolts security instead of hex-nut-in-cupscrews)

Physical Features	U.S.	Metric
Height (incl. all mounting brackets)	27.80 in	70.00 cm
Height (between mounting holes)	26.20 in	66.00 cm
Height (cabinet only, exterior)	22.50 in	57.00 cm
Width (exterior, incl. ears/vents)	25.5 in	64.00 cm
Width (interior)	21.00 in	53.00 cm
Depth (door closed, approx.)	27.75 in	70.50 cm
Depth (door open 90°)	43.40 in	110.20 cm
Depth (interior, approx.)	17.50 in	44.40 cm
Weight (empty, approx.)	70 lbs	31.80 kg
Operating Temperature	-40 to 119°F	-40 to 46°C
Interior rack space (includes front-to-back channel positions)	10 RUs full front access, plus 2 RUs limited front-access	

Boxer Family Outdoor Cabinets

Series	Description	Cooling	Power	Part Number
Boxer 5 (5-RU 19" tall rack)	Main cabinet	Passive cooling	N/A	A90-EX10E19-NMT
		200W fan-cooled, always-on	-48VDC	A90-EX10E19-NAF
		200W heat exchanger, always-on	-48VDC	A90-EX10E19-2HE
		200W heat exchanger, temp-controlled	-24 or -48VDC	A90-EX10E19-2HE3
		Same as -2HE3 + GR-487 lss, 4 compliant		A90-EX10E19-2HE3G
Boxer 10 (10-RU 37" tall rack)	Main cabinet	Passive cooling	N/A	A90-EX10E19-NMT
		400W heat exchanger, always-on	-48VDC	A90-EX10E19-NHE
		400W heat exchanger, temp-controlled	-24 or -48VDC	A90-EX10E19-NHE3
		Same as -NHE3 + GR-487 lss, 4 compliant		A90-EX10E19-NHE3G
		600W fan-cooled, always-on, customer door		A90-EX10E19-CAF
		400W heat exchanger, always-on	-48VDC	A90-EX10E19-4H
Boxer 16 (16-RU 51" tall rack)	Main cabinet	400W heat exchanger, always-on	-48VDC	A90-EX16E19-4HE
		700W heat exchanger, temp-controlled	-48VDC	A90-EX16E19-7HE
		Same as the 7HE + GR-487 lss, 4 compliant		A90-EX16E19-7HE3
		4K BTU air conditioner, temp-controlled	120VAC	A90-EX16E19-4KAC
		400W heat exchanger, always-on	-48VDC	A90-EX16E19-4H
Boxer 20 (20-RU 59" tall rack)	Main cabinet	400W heat exchanger, always-on	-48VDC	A90-EX20E19-4HE
		400W heat exchanger, temp-controlled	-24 or -48VDC	A90-EX20E19-4HE3
		Same as -4HE3 + GR-487 lss, 4 compliant		A90-EX20E19-4HE3G
		1000W heat exchanger, temp-controlled	-48VDC	A90-EX20E19-10HE
		400W heat exchanger, always-on	-48VDC	A90-EX20E19-4H
Boxer 30 (30-RU 87" tall rack)	Main cabinet	400W heat exchanger, always-on	-48VDC	A90-EX30E19-4HE
		1000W heat exchanger, temp-controlled	-48VDC	A90-EX30E19-10HE

*All main Boxer cabinets have an internal 9" equipment rack. 9" racks are optional on Side Car cabinets. Boxer 5 racks are raised 90 degrees.



Boxer Battery Boxes and Accessories

Type	Part Number	Description	Supported Models				
			Boxer 5	Boxer 10	Boxer 16	Boxer 20	Boxer 30
Battery Boxes & Skit	A90-EX05B-A	Battery box standard	✓	✓	✓	✓	✓
	A90-EX19-A	Battery box with heater pad	✓	✓	✓	✓	✓
	A90-EX19-B	Battery box wide for Boxer with Side Car	✓	✓	✓	✓	✓
	A90-EX19-D	Skid box for Boxer 14" high	✓	✓	✓	✓	✓
	A90-EX19-G	Skid box for Boxer 14" high	✓	✓	✓	✓	✓
Accessories	A90-EKA-HFD1	Battery heater pad	✓	✓	✓	✓	✓
	A90-EKA-F10G2	Pole mount kit, main cabinet	✓	✓	✓	✓	✓
	A90-EKA-F10G3	Pole mount kit, main cabinet + standard battery box	✓	✓	✓	✓	✓
	A90-EKA-F10G5	Pole mount kit, main cabinet + std & wide battery box	✓	✓	✓	✓	✓
	A90-EKA-WH01	Wall frame mount kit, main cab. + std & wide battery box	✓	✓	✓	✓	✓
	A90-EKA-PT1	Pad mount template, standard battery box	✓	✓	✓	✓	✓
	A90-EKA-PT2	Pad mount template, wide battery box	✓	✓	✓	✓	✓
	A90-EKA-C00	Coupler kit (2) 1/2", (2) 3/4", (4) 2"	✓	✓	✓	✓	✓
A90-EKASV-FM2	Pole mount kit, main cabinet only	✓	✓	✓	✓	✓	
A90-EKASV-FM3	Pole mount kit, main cabinet + battery box	✓	✓	✓	✓	✓	
A90-EKASV-WH1	Wall mount kit, main cabinet + battery box	✓	✓	✓	✓	✓	

www.westell.com

Westell Technologies
750 N. Commons Drive
Aurora, IL 60504

Inside Sales / Support:
800.377.8766

MCF member

TL 9000

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1401IARC

2 CABINET CONFIGURATION
SCALE: NOT TO SCALE

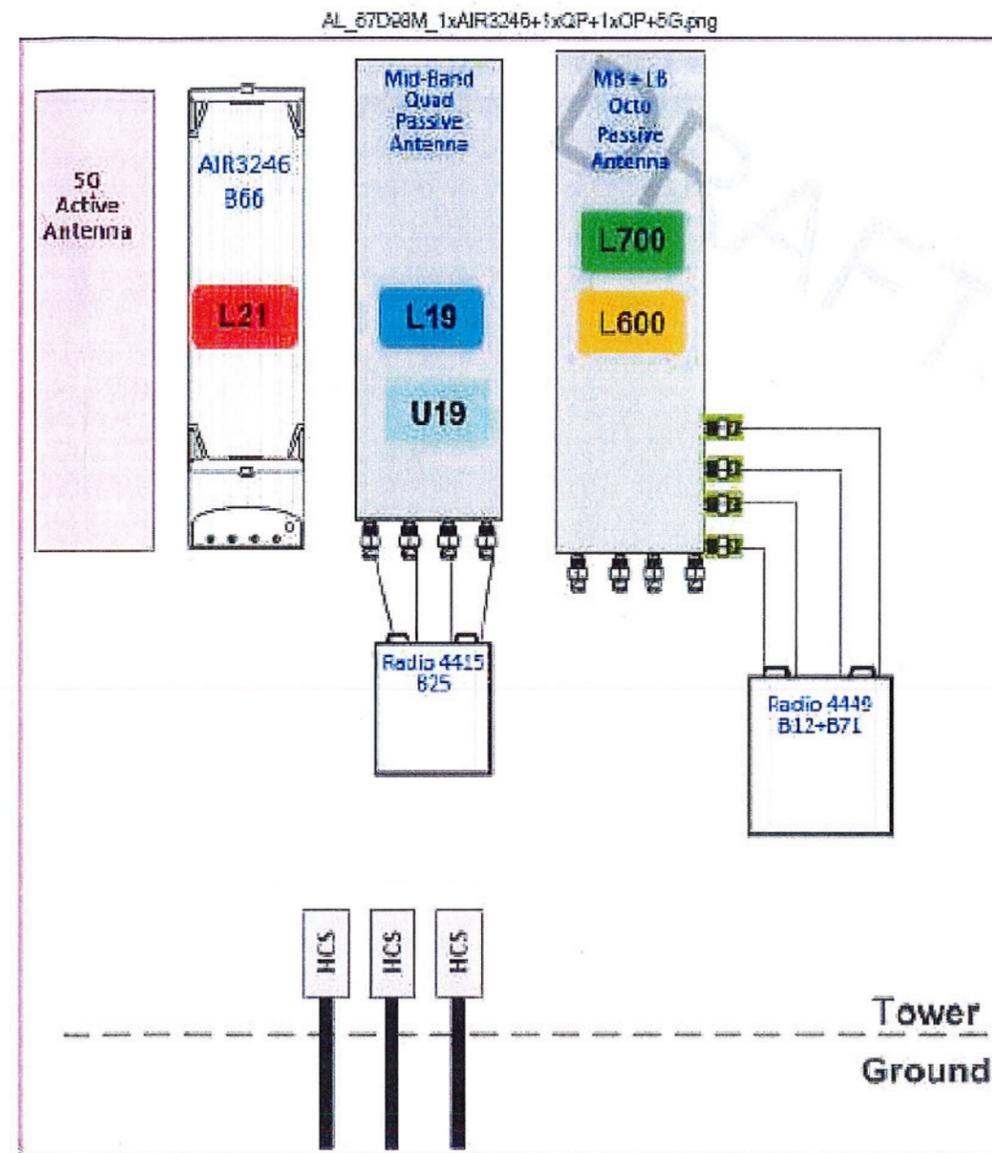
SUPPLEMENTAL

SHEET NUMBER: R-601
REVISION: 1

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

Section 5 - RAN Equipment	
Existing RAN Equipment — This section is intentionally blank. —	
Proposed RAN Equipment Template: 57D98M	
Enclosure	1
Enclosure Type	RBS 5102 MU AC
Baseband	DUW30 (U1500) BB 5216 (L1900) BB 6530 (L700) (L600)
Hybrid Cable System	Ericsson Ex#2 HCS 6AWG 30m (x3)
Multiplexer	XMU (L1900) (L700) (L600)
RAN Scope of Work: Capacity NSD with Config 67D98M (3-Sector U1500-L1900-L2100-L700-L600). Install (3) Hybrid Cables (type, length and AWG will be decided by Construction). Install (1) RBS 5102 MU AC with (1) DUW30, (1) BB 6530, (1) BB 5216 and (1) XMU. Install (3) AIR3246 B66 antennas, install (3) OctaPort 8' antennas and (3) Radio 4449 B71+B12s next to antennas, install (3) H5XX-6517DS antennas and (3) Radio 4415 B25s next to antennas. Install (3) Empty Antenna Mounts for future (6) 5G antennas.	

1 CABINET CONFIGURATION
SCALE: NOT TO SCALE



Notes:

2 ANTENNA CONFIGURATION
SCALE: NOT TO SCALE

SUPPLEMENTAL

SHEET NUMBER:
R-602

REVISION:
1