

Please Print or Type Information

For Office use only:

3-12-2018	SR-03-07MA	RB
Filing date	Case #	District

This APPLICATION is for: Dish Tower Antenna

SUBJECT PROPERTY ADDRESS - Location of Proposal:

1654 West Onondaga Street, Syracuse, NY 13204

APPLICANT INFORMATION

PROPERTY OWNER:

Name: Catholic Charities Phone: _____

Address:

1654 W Onondaga St
Syracuse, NY 13204

REPRESENTATIVE:

Attorney, Architect, Contractor, Other: Applicant/Leasee

Name: T-Mobile c/o Katherine Blackwood Phone: 410-712-7092 ext. 1530

Address:

6095 Marshalee Drive, Suite 300
Elkridge, MD 21075

OTHERS INVOLVED (if applicable):

Lessee, Contract Purchaser, Other: Tower Owner / Lessor

Name: American Tower Corporation Phone: _____

Address:

10 Presidential Way
Woburn, MA 01801

STRUCTURE INFORMATION:

MAXIMUM HEIGHT from ground level to top of structure: _____

DISTANCE from structure to front property line: _____

DISTANCE to closest side property line: _____

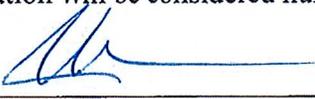
DIAMETER of structure (if dish) _____

HEIGHT from ground to bottom of structure (if dish) _____

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.

BY: 

Date 1-12-18

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.)

Margaret Robinson, Senior Counsel for Ulysses Asset Sub II, LLC As Attorney-in fact for Catholic Charities

Printed or typed name of person whose signature is above.

REQUIRED SUBMITTALS

- APPLICATION:** Completely filled out and signed by owner of property
- PROPERTY SURVEY:** One full sized, to scale copy of a property survey drawn by a licensed land surveyor
- SITE PLAN:** Showing proposed showing exact location of proposed tower, dish or antenna.
- For towers and other antenna support structures, not including satellite dish antennas and antennas on buildings: supporting drawings, calculations, and other documentation, signed and sealed by licensed engineers, showing the location and dimensions of all improvements, including:
 - Information concerning topography
 - Radio frequency coverage
 - Tower height requirements
 - Setbacks
 - Fencing
 - Landscaping
 - Depending on the specifics of the application the City Planning Commission may request additional information necessary to assess the nature of the proposal and its potential impacts.

NOTE: To facilitate review of the application, it is recommended that the applicant submit PHOTOS of the property where structures is to be erected.

INFINIGY

FROM ZERO TO INFINIGY
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Structural Analysis Report

November 18, 2017

Site Number	3ONS220B
Site Name	Western Lights
Infinigy Job Number	317-501
Client	American Tower
Proposed Carrier	T-Mobile
Site Location	1654 West Onondaga Street, Syracuse, NY 13204 43.03416509° N NAD83 76.18194190° W NAD83
Structure Type	Steeple
Overturb Increase	74.7%
Overall Result	Pass

Upon reviewing the results of this analysis, it is our opinion that the structure meets the specified TIA and ASCE code requirements. The steeple and mounts are therefore deemed adequate to support the existing and proposed loading as listed in this report.



Nathaniel R. Ober, E.I.T.
Northeast Structural Region Lead

AZ CA CO FL GA IL MD NC NH NJ NY TX WA

INFINIGY

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FEB 02 2018

October 19, 2017

Introduction

Infinigy Engineering has been requested to perform a structural analysis on the existing church steeple and proposed antenna mounts. All supporting documents have been obtained from the client and are assumed to be accurate and applicable to this site. The mount was analyzed using RISA 3D v 16.0.0 structural analysis software.

Supporting Documentation

Proposed Loading	Infinigy 3ONS220B CD's, dated September 15, 2017
Steeple Mapping	Infinigy 3ONS220B Mapping, dated July 11, 2017

Analysis Code Requirements

Wind Speed	90 mph (3-Second Gust, V_{ASD}) / 115 mph (3-Second Gust, V_{ULT})
Wind Speed w/ ice	40 mph (3-Second Gust) w/ 3/4" ice
TIA Revision	ANSI/TIA-222-G
Adopted IBC	2015 IBC / 2016 New York State Uniform Code Supplement
Structure Class	II
Exposure Category	B
Topographic Category	1
Calculated Crest Height	0 ft

Conclusion

Upon reviewing the results of this analysis, it is our opinion that the structure meets the specified TIA and ASCE code requirements. The steeple and mounts are therefore deemed adequate to support the existing and proposed loading as listed in this report.

If you have any questions, require additional information, or actual conditions differ from those as detailed in this report please contact me via the information below:

Nathaniel R Ober E.I.T.
 Northeast Structural Region Lead | Infinigy
 1033 Watervliet Shaker Road, Albany, NY 12205
 (O) (518) 690-0790 | (M) (303) 704-0322
nober@infinigy.com | www.infinigy.com

October 19, 2017

Existing & Reserved Loading

Rad Center (ft)	Qty.	Appurtenance	Mount Type	Carrier
83.0	3	Ericsson AIR21 B2A/B4P	Pipe Mount	T-Mobile
	3	Ericsson AIR32 B66A/B2A		
	3	Ericsson KRY 112 144/1		

To Be Removed Loading

Rad Center (ft)	Qty.	Appurtenance	Mount Type	Carrier
No Loading Considered as to be Removed				

Proposed Loading

Rad Center (ft)	Qty.	Appurtenance	Mount Type	Sector
83.0	1	Ericsson AIR32 B66A/B2A	Pipe Mount	T-Mobile

Final Loading Configuration

Rad Center (ft)	Qty.	Appurtenance	Mount Type	Carrier
83.0	3	Ericsson AIR21 B2A/B4P		T-Mobile
	4	Ericsson AIR32 B66A/B2A		
	3	Ericsson KRY 112 144/1		

Structure Usages

Antenna Mount: 74.7%

Steeple Loading Increase: 0.0%

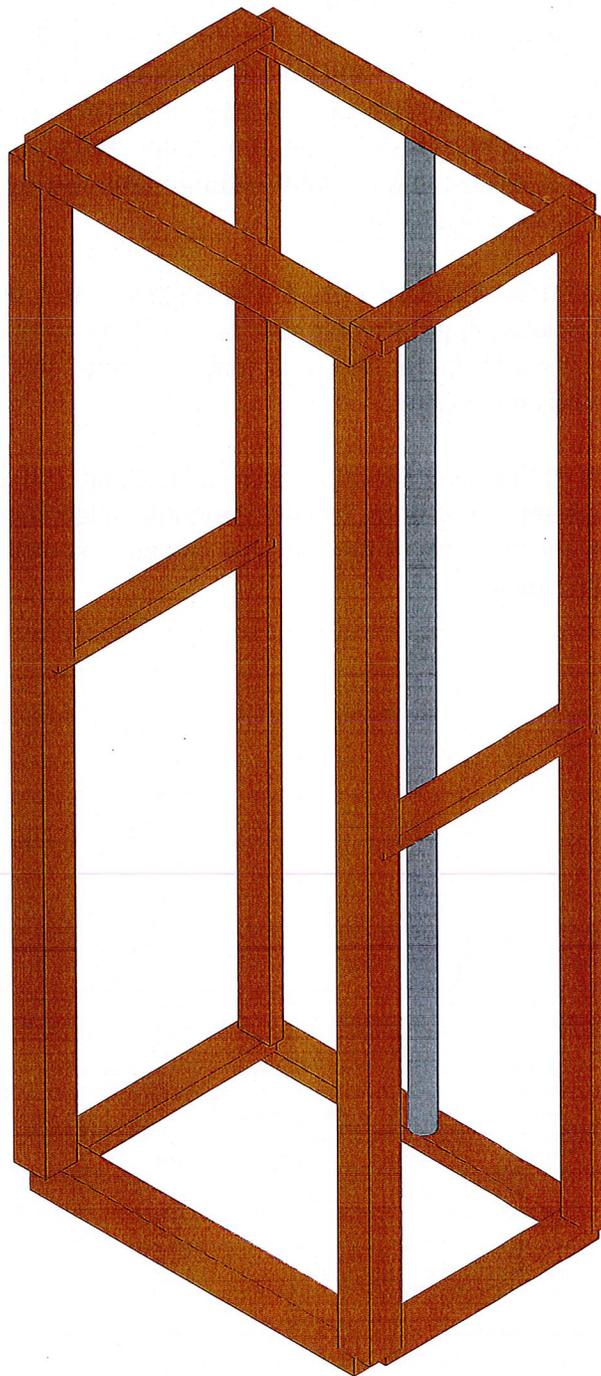
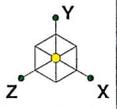
- Steeple wind loading does not increase due to all antenna mounts locations inside the steeple and therefore is considered adequate per IEBC 402.3 & 402.4.

Assumptions and Limitations

Our structural calculations are completed assuming all information provided to Infinigy Engineering is accurate and applicable to this site. For the purposes of calculations, we assume an overall structure condition of “like new” and all members, connections, anchors, and masonry to be free of corrosion and/or structural defects. The structure owner and/or contractor shall verify the structure’s condition prior to installation of any proposed equipment. If actual conditions differ from those described in this report Infinigy Engineering should be notified immediately to complete a revised evaluation.

Our evaluation is completed using standard TIA, AWWA, AISC, ACI, and ASCE methods and procedures. Our structural results are proprietary and should not be used by others as their own. Infinigy Engineering is not responsible for decisions made by others that are or are not based on our supplied assumptions and conclusions.

This report is an evaluation of the tower structure only and does not reflect adequacy of any existing antenna mounts, mount connections, or coax mounting attachments. These elements are assumed to be adequate for the purposes of this analysis and are assumed to have been installed per their manufacturer requirements.



Infinigy Engineering PLLC
NRO
317-501

3ONSS20B

Nov 18, 2017 at 11:54 AM

3ONSS20B.r3d

FEB 02 2018

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N1	N2			New Framing	Beam	None	DF	Typical
2	M2	N2	N3			New Framing	Beam	None	DF	Typical
3	M3	N3	N4			New Framing	Beam	None	DF	Typical
4	M4	N4	N1			New Framing	Beam	None	DF	Typical
5	M5	N4	N8		90	Standoff Frami...	Beam	None	DF	Typical
6	M6	N8	N7		90	Standoff Frami...	Beam	None	DF	Typical
7	M7	N7	N3		90	Standoff Frami...	Beam	None	DF	Typical
8	M8	N2	N6		90	Standoff Frami...	Beam	None	DF	Typical
9	M9	N6	N5		90	Standoff Frami...	Beam	None	DF	Typical
10	M10	N1	N5		90	Standoff Frami...	Beam	None	DF	Typical
11	M11	N5	N8			Standoff Frami...	Beam	None	DF	Typical
12	M12	N6	N7			Standoff Frami...	Beam	None	DF	Typical
13	M13	N9	N10			Mount Pipe	Beam	None	A53 Gr.B	Typical
14	M14	N11	N12		90	Standoff Frami...	Beam	None	DF	Typical
15	M15	N13	N14		90	Standoff Frami...	Beam	None	DF	Typical

Material Takeoff

	Material	Size	Pieces	Length[in]	Weight[K]
1	Hot Rolled Steel				
2	A53 Gr.B	PIPE 2.0	1	96	0
3	Total HR Steel		1	96	0
4					
5	Wood				
6	DF	2X4	10	408	0
7	DF	4X4	4	264	0
8	Total Wood		14	672	.1

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(P...
1	Self Weight	DL		-1			2		
2	Wind Load AZI 000	WLZ					2	1	
3	Wind Load AZI 090	WLX					2		
4	BLC 2 Transient Area..	None						4	

Load Combinations

	Description	Sol..	PD..	SR..	BLC Fact..										
1	1.0D	Yes	Y		DL	1									
2	1.0D + 0.6..	Yes	Y		DL	1	WLZ	.6							
3	1.0D + 0.6..	Yes	Y		DL	1	WLZ	.52	W...	.3					
4	1.0D + 0.6..	Yes	Y		DL	1	WLZ	.3	W...	.52					
5	1.0D + 0.6..	Yes	Y		DL	1			W...	.6					
6	1.0D + 0.6..	Yes	Y		DL	1	WLZ	-.3	W...	.52					
7	1.0D + 0.6..	Yes	Y		DL	1	WLZ	-.52	W...	.3					
8	1.0D + 0.6..	Yes	Y		DL	1	WLZ	-.6							
9	1.0D + 0.6..	Yes	Y		DL	1	WLZ	-.52	W...	-.3					
10	1.0D + 0.6..	Yes	Y		DL	1	WLZ	-.3	W...	-.52					
11	1.0D + 0.6..	Yes	Y		DL	1			W...	-.6					
12	1.0D + 0.6..	Yes	Y		DL	1	WLZ	.3	W...	-.52					
13	1.0D + 0.6..	Yes	Y		DL	1	WLZ	.52	W...	-.3					
14	0.6D + 0.6..	Yes	Y		DL	.6	WLZ	.6							
15	0.6D + 0.6..	Yes	Y		DL	.6	WLZ	.52	W...	.3					

Load Combinations (Continued)

	Description	Sol.	PD	SR	BLC Fact.										
16	0.6D + 0.6...	Yes	Y		DL	.6	WLZ	.3	W...	.52					
17	0.6D + 0.6...	Yes	Y		DL	.6			W...	.6					
18	0.6D + 0.6...	Yes	Y		DL	.6	WLZ	-.3	W...	.52					
19	0.6D + 0.6...	Yes	Y		DL	.6	WLZ	-.52	W...	.3					
20	0.6D + 0.6...	Yes	Y		DL	.6	WLZ	-.6							
21	0.6D + 0.6...	Yes	Y		DL	.6	WLZ	-.52	W...	-.3					
22	0.6D + 0.6...	Yes	Y		DL	.6	WLZ	-.3	W...	-.52					
23	0.6D + 0.6...	Yes	Y		DL	.6			W...	-.6					
24	0.6D + 0.6...	Yes	Y		DL	.6	WLZ	.3	W...	-.52					
25	0.6D + 0.6...	Yes	Y		DL	.6	WLZ	.52	W...	-.3					

Envelope Joint Reactions

Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC	
1	N4	max	7.963	20	136.217	2	257.841	2	0	1	0	1	0	1
2		min	-9.795	2	-28.844	20	-218.691	20	0	1	0	1	0	1
3	N1	max	9.789	8	136.376	8	218.658	14	0	1	0	1	0	1
4		min	-7.968	14	-28.665	14	-257.787	8	0	1	0	1	0	1
5	N2	max	7.968	14	136.376	8	218.658	14	0	1	0	1	0	1
6		min	-9.789	8	-28.665	14	-257.787	8	0	1	0	1	0	1
7	N3	max	9.795	2	136.217	2	257.841	2	0	1	0	1	0	1
8		min	-7.963	20	-28.844	20	-218.691	20	0	1	0	1	0	1
9	Totals:	max	0	2	268.856	2	933.408	2						
10		min	0	20	161.313	20	-933.408	8						

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

Member	Shape	Code Che...	Loc[in]	LC	Shear Check	Loc[in]	Dir	LC	phi*Pnc [...]	phi*Pnt [...]	phi*Mn y...	phi*Mn z...	Cb	Eqn
1	M13	PIPE_2.0	.011	96	2	.000	0	8	14916.096	32130	1.872	1.872	1	H1-1b

Envelope Wood Code Checks

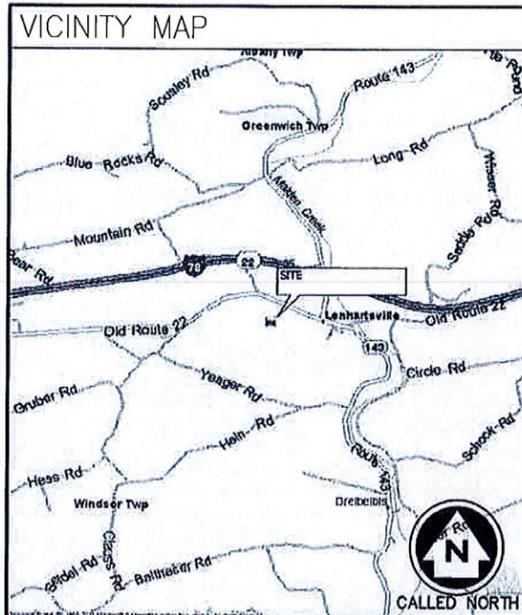
Member	Shape	Code	Loc[in]	LC	Shear...	Loc[in]	Dir	LC	Fc' [ksi]	Ft' [ksi]	Fb1' [...]	Fb2' [...]	Fv' [ksi]	RB	CL	CP	Eqn	
1	M7	2X4	.747	24	2	.271	24	z	2	1.274	1.013	1.494	1.65	.18	6.11	.996	.739	3.9-1
2	M5	2X4	.747	0	2	.271	0	z	2	1.274	1.013	1.494	1.65	.18	6.11	.996	.739	3.9-1
3	M8	2X4	.745	0	8	.271	0	z	8	1.274	1.013	1.494	1.65	.18	6.11	.996	.739	3.9-3
4	M10	2X4	.745	0	8	.271	0	z	8	1.274	1.013	1.494	1.65	.18	6.11	.996	.739	3.9-3
5	M12	2X4	.430	96	2	.062	48	z	8	.464	1.013	1.487	1.65	.18	8.641	.991	.269	3.9-1
6	M11	2X4	.430	96	2	.062	48	z	8	.464	1.013	1.487	1.65	.18	8.641	.991	.269	3.9-1
7	M2	4X4	.309	48	8	.121	0	z	8	.611	1.013	1.5	1.5	.18	5.237	1	.354	3.9-1
8	M4	4X4	.308	48	8	.121	84	z	8	.611	1.013	1.5	1.5	.18	5.237	1	.354	3.9-3
9	M15	2X4	.250	0	8	.109	0	z	8	1.274	1.013	1.494	1.65	.18	6.11	.996	.739	3.9-1
10	M14	2X4	.250	0	8	.109	0	z	8	1.274	1.013	1.494	1.65	.18	6.11	.996	.739	3.9-1
11	M9	2X4	.201	18	2	.336	0	z	2	.765	1.013	1.491	1.65	.18	7.483	.994	.443	3.9-1
12	M6	2X4	.198	18	8	.336	36	z	8	.765	1.013	1.491	1.65	.18	7.483	.994	.443	3.9-3
13	M1	4X4	.037	18	2	.040	0	z	2	1.573	1.013	1.5	1.5	.18	3.207	1	.912	3.9-3
14	M3	4X4	.037	18	8	.040	0	z	2	1.573	1.013	1.5	1.5	.18	3.207	1	.912	3.9-3

T-MOBILE NORTHEAST LLC

3ONS220B WESTERN_LIGHTS

1654 WEST ONONDAGA STREET
SYRACUSE, NY 13204

(4Sec-92DB CONFIGURATION)



DO NOT SCALE DRAWINGS
CONTRACTOR SHALL VERIFY PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

811
TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN NEW YORK (NORTH OF 5 BOROUGHS), CALL DIG SAFELY NEW YORK. TOLL FREE: 1-800-952-7962 OR www.digsafelynewyork.com
NEW YORK STATUTE REQUIRES MIN OF 2 WORKING DAYS NOTICE BEFORE YOU EXCAVATE.
Know what's below. Call before you dig.

GENERAL NOTES

1. THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK. THE WORK PERFORMED ON THE PROJECT AND THE MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES.
2. THE ARCHITECT/ENGINEER HAVE MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONSTRUCT DOCUMENTS THE COMPLETE SCOPE OF WORK. THE CONTRACTOR BIDDING THE JOB IS NEVERTHELESS CAUTIONED THAT MINOR OMISSIONS OR ERRORS IN THE DRAWINGS AND OR SPECIFICATIONS SHALL NOT EXCUSE SAID CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS.
3. THE CONTRACTOR OR BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE T-MOBILE REPRESENTATIVE OF ANY CONFLICTS, ERRORS, OR OMISSIONS PRIOR TO THE SUBMISSION OF THE CONTRACTOR'S PROPOSAL OR PERFORMANCE OF WORK. IN THE EVENT OF DISCREPANCIES, THE CONTRACTOR SHALL PRICE THE MORE COSTLY OR EXPENSIVE WORK, UNLESS DIRECTED IN WRITING OTHERWISE.
4. THE SCOPE OF WORK SHALL INCLUDE FURNISHING OF ALL MATERIALS, EQUIPMENT, LABOR AND ALL OTHER MATERIALS AND LABOR DEEMED NECESSARY TO COMPLETE THE WORK/PROJECT AS DESCRIBED HEREIN.
5. THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO THE SUBMISSION OF BIDS OR PERFORMING WORK TO FAMILIARIZE HIMSELF WITH THE FIELD CONDITIONS AND TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
6. THE CONTRACTOR SHALL OBTAIN AUTHORIZATION TO PROCEED WITH CONSTRUCTION PRIOR TO STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED BY THE CONSTRUCTION DRAWINGS/CONTRACT DOCUMENTS.
7. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO THE MANUFACTURER'S/VENDOR'S SPECIFICATIONS UNLESS NOTED OTHERWISE OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.
8. THE CONTRACTOR SHALL PROVIDE A FULL SET OF CONSTRUCTION DOCUMENTS AT THE SITE UPDATED WITH THE LATEST REVISIONS AND ADDENDUM OR CLARIFICATIONS AVAILABLE FOR THE USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT.
9. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER CONTRACT.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY PERMITS AND INSPECTIONS WHICH ARE REQUIRED FOR THE WORK BY THE ARCHITECT/ENGINEER, THE STATE, COUNTY, OR LOCAL GOVERNMENT AUTHORITY.
11. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, EASEMENTS, PAVING, CURBING, ETC., DURING CONSTRUCTION. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DUE TO CONSTRUCTION ON OR ABOUT THE PROPERTY.
12. THE CONTRACTOR SHALL KEEP THE GENERAL WORK AREA CLEAN AND HAZARD FREE DURING CONSTRUCTION AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON PROPERTY. PREMISES SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.
13. THE CONTRACTOR SHALL COMPLY WITH ALL OSHA REQUIREMENTS, AS WELL AS THE LATEST EDITIONS OF ANY PERTINENT STATE SAFETY REGULATIONS.
14. THE CONTRACTOR SHALL NOTIFY THE T-MOBILE REPRESENTATIVE WHERE A CONFLICT OCCURS ON ANY OF THE CONTRACT DOCUMENTS. THE CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE WORK THAT IS IN CONFLICT UNTIL CONFLICT IS RESOLVED BY THE T-MOBILE REPRESENTATIVE.
15. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC., ON THE JOB.
16. THE CONTRACTOR SHALL RETURN ALL DISTURBED AREAS TO THEIR ORIGINAL CONDITION AT THE COMPLETION OF WORK.

PROJECT SUMMARY

SITE NUMBER:	3ONS220B	APPLICANT:	T-MOBILE NORTHEAST LLC
SITE NAME:	WESTERN_LIGHTS		400 STREET RD BENSALEM, PA 19020
SITE ADDRESS:	1654 WEST ONONDAGA STREET SYRACUSE, NY 13204	PROJECT MANAGER:	AMERICAN TOWER CORPORATION 319 QUARRY ROAD SPRING CITY, PA 19475
TOWER OWNER:	AMERICAN TOWER CORPORATION	CONTACT:	BLAKE E. PAYNTER (781) 926-4560
ATC SITE NUMBER:	US-NY-6574	ARCHITECT/ENGINEER:	INFINIGY ENGINEERING 1033 WATERVLIET SHAKER ROAD ALBANY, NY 12205
LAT./LONG.:	N 43.03416509° / W 76.18194190°	CONTACT:	MATT BIRTH 443-567-8791
CONSTRUCTION TYPE:	IIB		
USE GROUP:	U		
JURISDICTION:	CITY OF SYRACUSE		
TAX ID:	31150009100000020320010000		

PROJECT DESCRIPTION

- | | | |
|---|---|---|
| <input type="checkbox"/> EXISTING MONOPOLE | <input checked="" type="checkbox"/> EXISTING CABINET(S) | <input type="checkbox"/> OUTDOOR |
| <input type="checkbox"/> EXISTING LATTICE TOWER | <input type="checkbox"/> EXISTING RBS 2106 | <input checked="" type="checkbox"/> INDOOR |
| <input type="checkbox"/> EXISTING TRANSMISSION TOWER | <input type="checkbox"/> EXISTING RBS 3106 | <input checked="" type="checkbox"/> EXISTING CONCRETE PAD |
| <input type="checkbox"/> EXISTING WATER TANK | <input checked="" type="checkbox"/> EXISTING RBS 6201 | <input type="checkbox"/> EXISTING STEEL PLATFORM |
| <input checked="" type="checkbox"/> EXISTING BUILDING | <input type="checkbox"/> EXISTING RBS 6102 | <input type="checkbox"/> EXISTING PPC |
| <input type="checkbox"/> EXISTING FLAGPOLE | <input type="checkbox"/> SITE SUPPORT CABINET | <input type="checkbox"/> EXISTING PANELBOARD |
| <input type="checkbox"/> EXISTING FORT WORTH | <input type="checkbox"/> GPS | |

T-MOBILE NORTHEAST LLC PROPOSES THE MODIFICATION OF AN UNMANNED WIRELESS BROADBAND FACILITY. ADDITION OF (1) PROPOSED 4TH SECTOR PANEL ANTENNA. REUSE, GPS ANTENNA AND EXISTING EQUIPMENT CABINETS.

SHEET INDEX

SHEET	DESCRIPTION	REVISION
T-1	TITLE SHEET	0
C-1	SITE PLAN	0
C-2	ROOFTOP PLAN	0
C-3	EQUIPMENT PLAN & ELEVATION	0
C-4	ANTENNA ORIENTATION	0
C-5	RF SCHEDULE	0
C-6	EQUIPMENT SPECIFICATIONS	0
E-1	GROUNDING AND POWER DIAGRAMS	0
E-2	COAX/FIBER PLUMBING DIAGRAM	0
N-1	GENERAL AND ELECTRICAL NOTES	0

T-Mobile
T-MOBILE NORTHEAST LLC
400 STREET ROAD
BENSALEM, PA 19020

INFINIGY
Design-Build-Deliver
1033 Watervliet Shaker Rd
Albany, NY 12205
Office # (518) 690-0790
Fax # (518) 690-0793

DATE	DESCRIPTION	REVISION
9/15/17	FOR REVIEW	A
12/18/17	CLIENT REVISIONS	B
01/22/18	ISSUED FOR CONSTRUCTION	0

DEPT.	DATE	APP'D	REVISIONS
RFE			
RF MAN.			
ZONING			
OPS			
CONSTR.			
SITE AC.			

PROJECT NO: 317-000
DRAWN BY: SKB
CHECKED BY: ASW



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NOTE: IF DRAWINGS ARE 22"x34", USE GRAPHICAL SCALE AND/OR 1/2 TIMES OF THE NOTED SCALE.

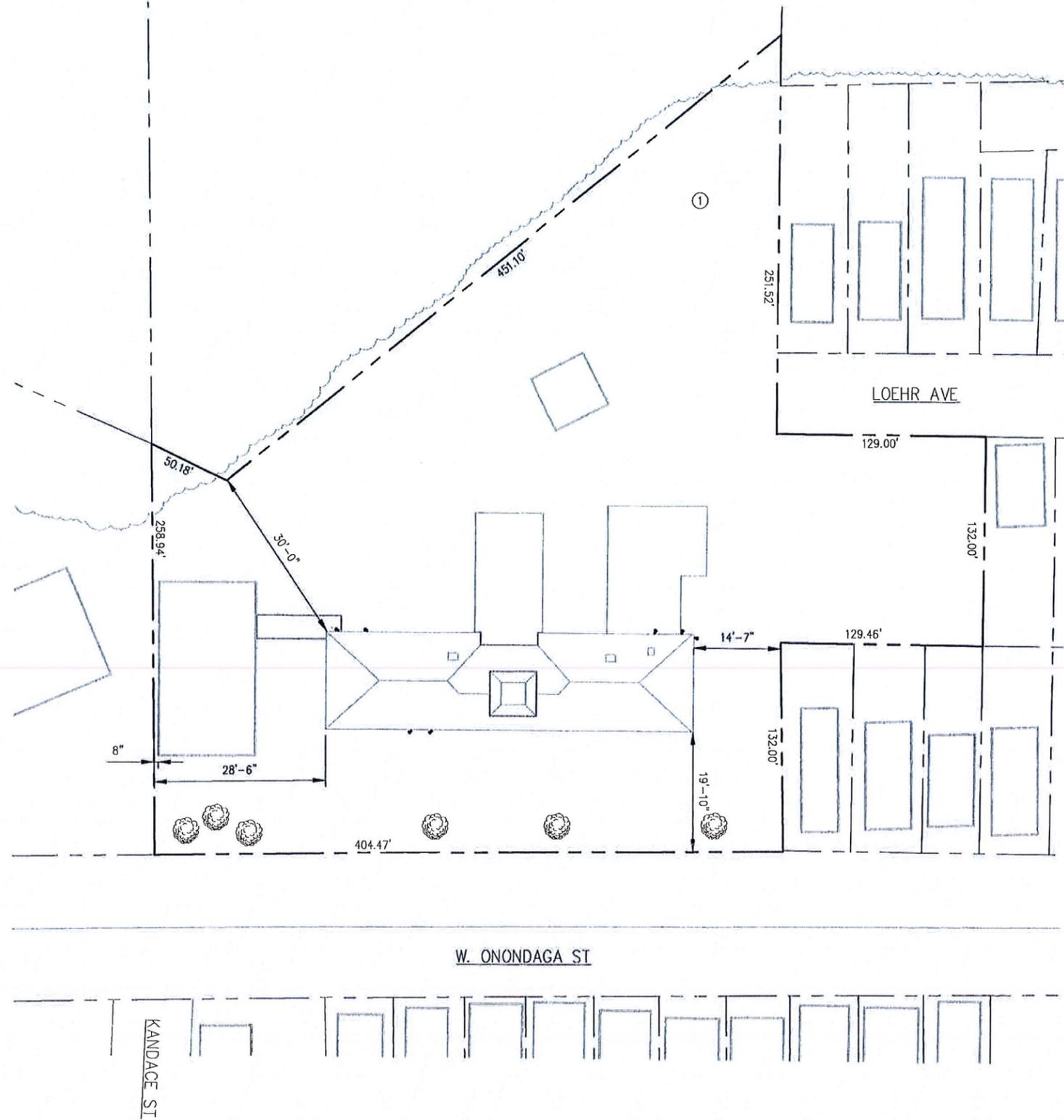
SITE NUMBER:
3ONS220B
SITE NAME:
WESTERN_LIGHTS
1654 WEST ONONDAGA ST
SYRACUSE, NY

SHEET TITLE
TITLE SHEET

SHEET NUMBER
T-1
SHEET 1 OF 10 SHEETS

INFINIGY HAS NOT FIELD VERIFIED THE EXISTING T-MOBILE EQUIPMENT AT TIME OF ISSUANCE OF THE DRAWINGS. CONTRACTOR TO VERIFY PRIOR TO INSTALLATION.

1. CATHOLIC CHARITIES
 1654 W ONONDAGA ST
 SYRACUSE, NY 13202
 TAX ID: 31150009100000020320010000
 AREA: 2.4 ACRES±
 ZONE: 006



- GENERAL SITE NOTES:**
1. A COMPLETE BOUNDARY SURVEY OF THE HOST PARCEL HAS NOT BEEN PERFORMED BY INFINIGY. BOUNDARY INFORMATION IF SHOWN WAS OBTAINED FROM INFORMATION PROVIDED BY OTHERS. PROPERTY IS SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD.
 2. BASEMAPPING INFORMATION BASED ON PROVIDED INFORMATION.
 3. CONTRACTOR TO FIELD VERIFY DIMENSIONS AS NECESSARY BEFORE CONSTRUCTION.
 4. THE PROPOSED DEVELOPMENT DOES NOT INCLUDE SIGNS OF ADVERTISING.
 5. THE PROPOSED DEVELOPMENT IS UNMANNED AND THEREFORE DOES NOT REQUIRE A MEANS OF WATER SUPPLY OR SEWAGE DISPOSAL.
 6. NO LANDSCAPING WORK IS PROPOSED IN CONJUNCTION WITH THIS DEVELOPMENT OTHER THAN THAT WHICH IS SHOWN.
 7. THE PROPOSED DEVELOPMENT DOES NOT INCLUDE OUTDOOR STORAGE OR ANY SOLID WASTE RECEPTACLES.
 8. UTILITIES SHOWN ON PLAN ARE TAKEN FROM OWNERS RECORDS AND FIELD LOCATION OF VISIBLE SURFACE FEATURES. THE EXISTENCE, EXTENT AND EXACT HORIZONTAL AND VERTICAL LOCATIONS OF UTILITIES HAS NOT BEEN VERIFIED. ANY CONTRACTOR PERFORMING WORK ON THIS SITE MUST CONTACT MISS UTILITY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK.
 9. ALL OBSOLETE OR UNUSED FACILITIES SHALL BE REMOVED WITHIN 12 MONTHS OF CESSATION OF OPERATIONS.

SITE LEGEND

- SITE PROPERTY LINE
- STREET OR ROAD
- x - x - CHAIN LINK FENCE
- OPAQUE WOODEN FENCE
- ⊗ TREES/SHRUBS
- ⊕ TREE LINE
- ⊗ UTILITY POLE
- (E) EXISTING
- (N) NEW
- (P) PROPOSED
- (F) FUTURE

T-Mobile
 T-MOBILE NORTHEAST LLC
 400 STREET ROAD
 HENSALEM, PA 14201

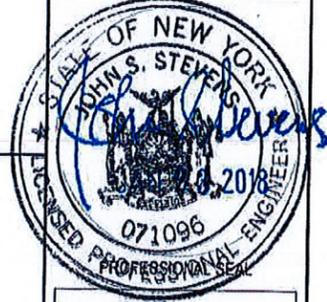
INFINIGY
 Design. Build. Deliver.
 1033 Waterlily Shaker Rd
 Albany, NY 12205
 Office # (518) 650-0790
 Fax # (518) 650-0793

SUBMITTALS

DATE	DESCRIPTION	REVISION
9/15/17	FOR REVIEW	A
12/18/17	CLIENT REVISIONS	B
01/22/18	ISSUED FOR CONSTRUCTION	C

DEPT.	DATE	APP'D	REVISIONS
USE			
BY MAIL			
ZONING			
OPS			
CONSTR.			
SITE AG.			

PROJECT NO: 317-000
 DRAWN BY: SKB
 CHECKED BY: ASW



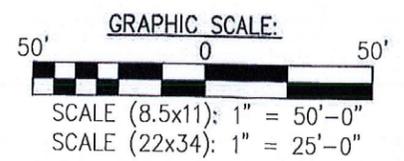
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SITE NUMBER:
3ONS220B
 SITE NAME:
 WESTERN LIGHTS
 1654 WEST ONONDAGA ST
 SYRACUSE, NY

SHEET TITLE
SITE PLAN

SHEET NUMBER
C-1
 SHEET 2 OF 10 SHEETS



INFINIGY HAS NOT FIELD VERIFIED THE EXISTING T-MOBILE EQUIPMENT AT TIME OF ISSUANCE OF THE DRAWINGS. CONTRACTOR TO VERIFY PRIOR TO INSTALLATION.

NOTE:
INFINIGY ENGINEERING HAS NOT EVALUATED THE TOWER OR MOUNT LOADING FOR THIS SITE, AND ASSUMES NO RESPONSIBILITY FOR ITS STRUCTURAL INTEGRITY REGARDING ITS EXISTING OR PROPOSED LOADING. FINAL INSTALLATION TO COMPLY WITH RESULTS OF PASSING STRUCTURAL ANALYSIS.

NOTE:
HYBRID CABLES SHALL BE ROUTED THROUGH INTERIOR OF BUILDING AND SHALL EXIT BRICK THROUGH CABLE PORT(S) TO EXTERIOR OF BUILDING.

GENERAL SITE NOTES:

1. A COMPLETE BOUNDARY SURVEY OF THE HOST PARCEL HAS NOT BEEN PERFORMED BY INFINIGY. BOUNDARY INFORMATION IF SHOWN WAS OBTAINED FROM INFORMATION PROVIDED BY OTHERS. PROPERTY IS SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD.
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9. ALL OBSOLETE OR UNUSED FACILITIES SHALL BE REMOVED WITHIN 12 MONTHS OF CESSATION OF OPERATIONS.



T-MOBILE WIRELESS LLC
400 STREET ROAD
BENSBALEN, PA 19020

INFINIGY
 Design. Build. Deliver.
 1033 Waterlilies Shaker Rd
 Albany, NY 12205
 Office # (518) 869-0786
 Fax # (518) 869-0788

SUBMITTALS

DATE	DESCRIPTION	REVISION
9/15/17	FOR REVIEW	A
12/18/17	CLIENT REVISIONS	B
01/22/18	ISSUED FOR CONSTRUCTION	0

DEPT.	DATE	APP'D	REVISIONS
RFE			
RF MAN.			
ZONING			
DPS			
CONSTR.			
SITE MGR.			

PROJECT NO: 317-000
DRAWN BY: SKB
CHECKED BY: ASW



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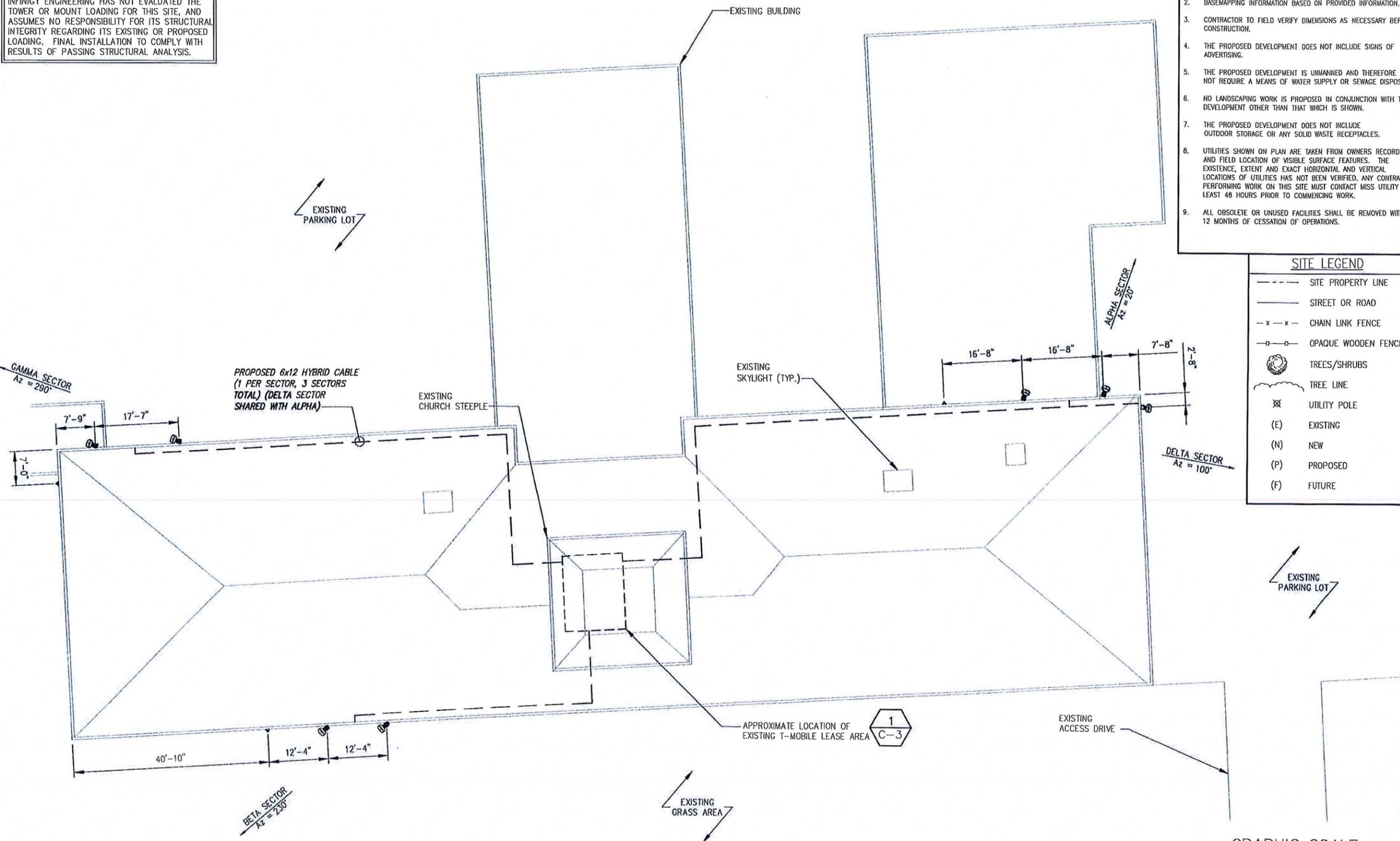
NOTE: IF DRAWINGS ARE 22"x34", USE GRAPHICAL SCALE AND/OR 1/2 TIMES OF THE NOTED SCALE.

SITE NUMBER:
30NS220B
SITE NAME:
WESTERN LIGHTS
1654 WEST ONONDAGA ST
SYRACUSE, NY

SHEET TITLE
ROOFTOP PLAN

SHEET NUMBER
C-2

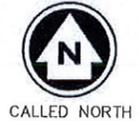
SHEET 3 OF 10 SHEETS



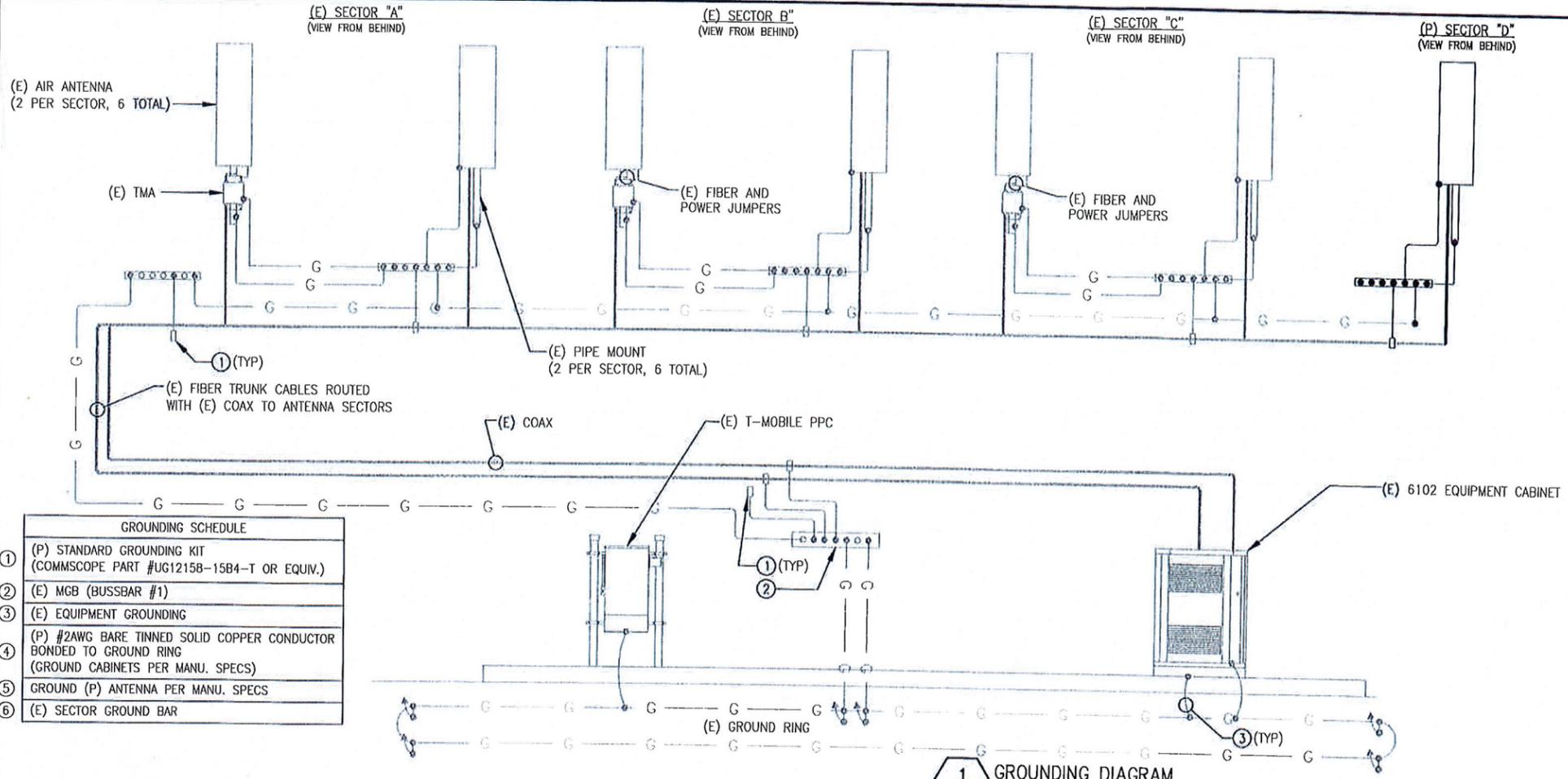
SITE LEGEND

- SITE PROPERTY LINE
- STREET OR ROAD
- x - x - CHAIN LINK FENCE
- o - o - OPAQUE WOODEN FENCE
- ⊙ TREES/SHRUBS
- ⌞ TREE LINE
- ⊗ UTILITY POLE
- (E) EXISTING
- (N) NEW
- (P) PROPOSED
- (F) FUTURE

1 ROOFTOP PLAN
SCALE: AS NOTED



GRAPHIC SCALE
 10' 5' 0 5' 10'
 SCALE (11x17): 1" = 10'-0"
 SCALE (22x34): 1" = 5'-0"

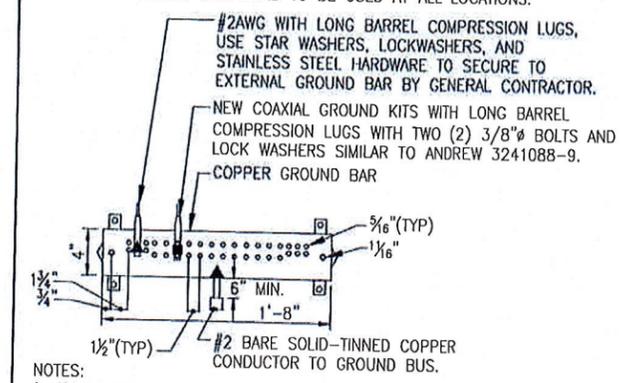
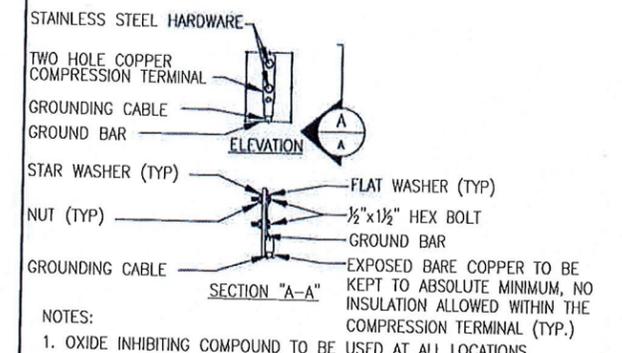
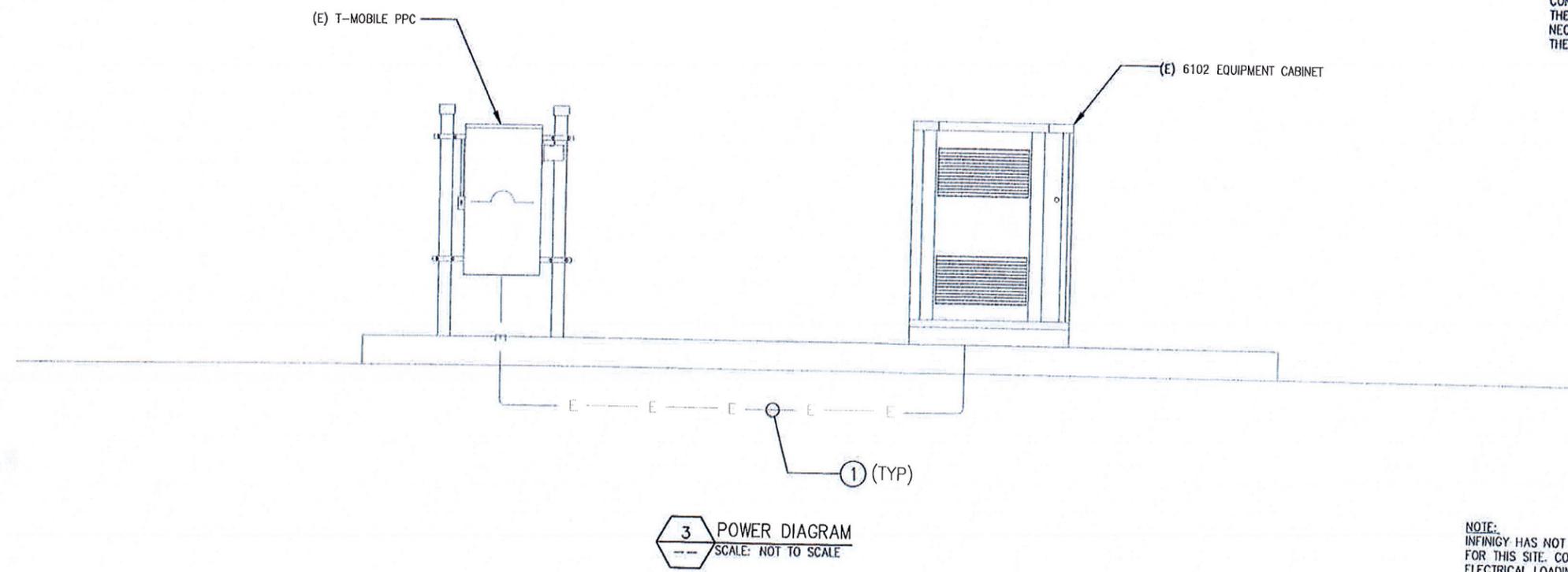


GROUNDING SCHEDULE

1	(P) STANDARD GROUNDING KIT (COMMSCOPE PART #UG12158-15B4-T OR EQUIV.)
2	(E) MGB (BUSSBAR #1)
3	(E) EQUIPMENT GROUNDING
4	(P) #2AWG BARE TINNED SOLID COPPER CONDUCTOR BONDED TO GROUND RING (GROUND CABINETS PER MANU. SPECS)
5	GROUND (P) ANTENNA PER MANU. SPECS
6	(E) SECTOR GROUND BAR

CONDUIT SCHEDULE

1	(E) POWER CONDUIT
---	-------------------



NOTES:
 1. ALL HARDWARE STAINLESS STEEL COAT ALL SURFACES WITH KOPR-SHIELD BEFORE MATING.
 2. FOR GROUND BOND TO STEEL ONLY: INSERT A TOOTH WASHER BETWEEN LUG AND STEEL, COAT ALL SURFACES WITH KOPR-SHIELD.
 3. ALL HOLES ARE COUNTERSUNK 1/16".

CONTRACTOR NOTE:
 CONTRACTOR TO VERIFY THAT THE EXISTING CONDUITS AND WIRE SIZES ARE ADEQUATE FOR THE PROPOSED LOADING IN ACCORDANCE WITH NEC AND INCLUDE ELECTRICAL UPGRADES IN THE SCOPE OF WORK AS REQUIRED.

NOTE:
 INFINIGY HAS NOT CONDUCTED AN ELECTRICAL LOAD STUDY FOR THIS SITE. CONTRACTOR IS TO VERIFY EXISTING ELECTRICAL LOADING PRIOR TO CONSTRUCTION TO ENSURE EXISTING INCOMING SERVICE CAPACITY. ALL ELECTRICAL INSTALLATION IS TO COMPLY WITH NEC, ADOPTED VERSION.



T-MOBILE NORTHEAST LLC
 400 STREET ROAD
 BENSLEM, PA 19020

INFINIGY
 Design. Build. Deliver.
 1033 WaterVliet Shaker Rd
 Albany, NY 12205
 Office # (518) 890-0790
 Fax # (518) 890-0793

SUBMITTALS

DATE	DESCRIPTION	REVISION
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12/18/17	CLIENT REVISIONS	B
01/23/18	ISSUED FOR CONSTRUCTION	C

DEPT.	DATE	APP'D	REVISIONS
RFE			
RF MAN.			
ZONING			
OPS			
CONSTR.			
SITE AC.			

PROJECT NO: 317-000
 DRAWN BY: SKB
 CHECKED BY: [Signature]



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 SITE NAME: WESTERN LIGHTS
 1654 WEST ONONDAGA ST
 SYRACUSE, NY

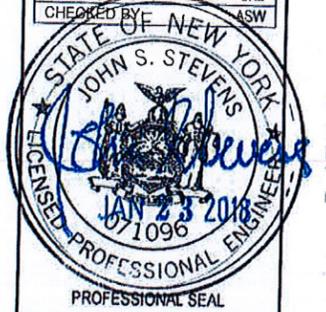
SHEET TITLE
GROUNDING & POWER DIAGRAMS

SHEET NUMBER
E-1
 SHEET 8 OF 10 SHEETS

SUBMITTALS		
DATE	DESCRIPTION	REVISION
9/15/17	FOR REVIEW	A
12/16/17	CLIENT REVISIONS	B
01/22/18	ISSUED FOR CONSTRUCTION	0

DEPT.	DATE	APP'D	REVISIONS
RFI			
RFI			
ZONING			
OPS			
CONSTR.			
SITE AC.			

PROJECT NO: 317-000
DRAWN BY: SKB
CHECKED BY: ASW



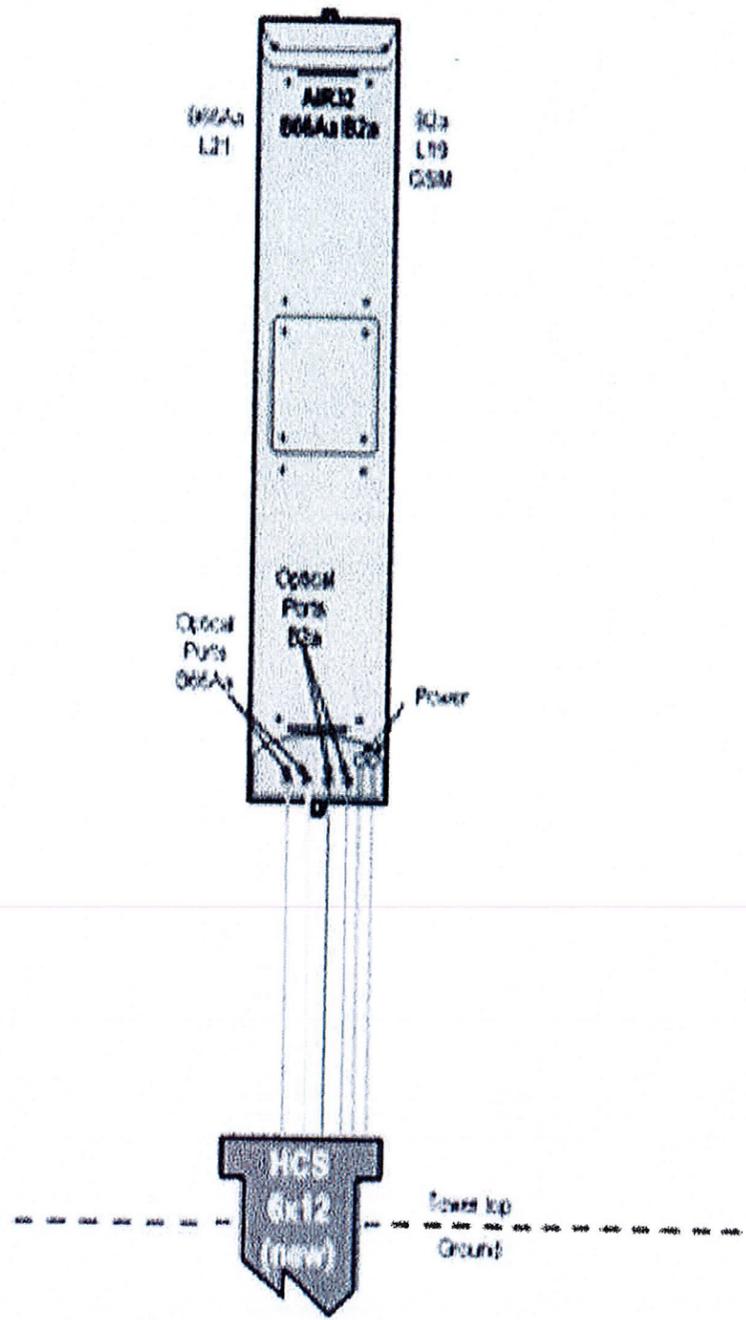
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3ONS220B
SITE NAME:
WESTERN_LIGHTS
1654 WEST ONONDAGA ST
SYRACUSE, NY

SHEET TITLE
COAX/FIBER PLUMBING DIAGRAM

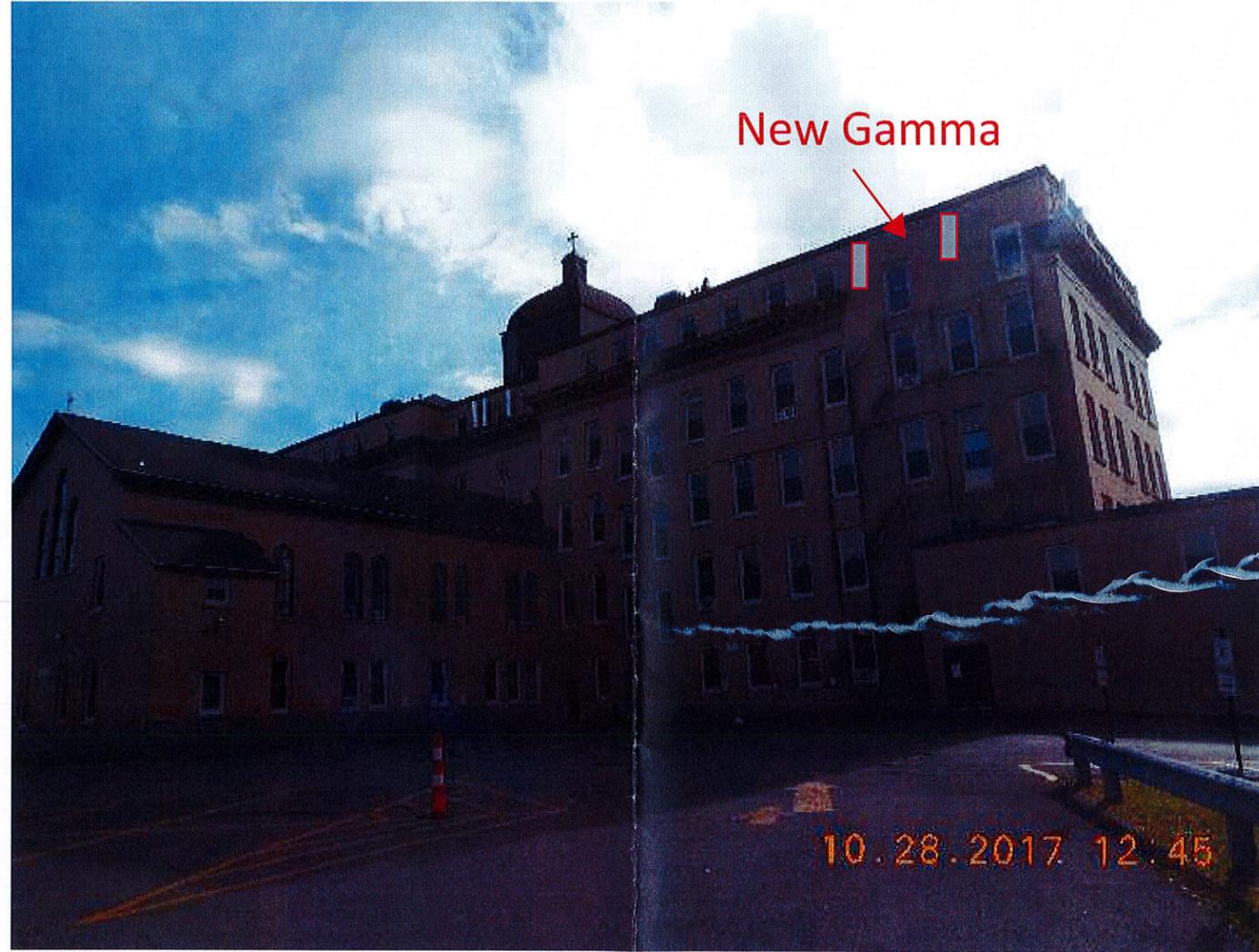
SHEET NUMBER
E-2
SHEET 9 OF 10 SHEETS



1 4Sec-92DB CONFIGURATION COAX/FIBER PLUMBING DIAGRAM
NOT TO SCALE







10.28.2017

