COHEN and WOLF P.C.
ATTORNEYS AT LAW

RACHEL A. SCHWARTZMAN

Please Reply To: Bridgeport
Writer's Direct Dial: (203) 337-4110
E-Mail: rschwartzman@cohenandwolf.com

January 26, 2015

Attorney Melanie Bachman
Acting Executive Director
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06501

Re: EM-T-MOBILE-002-130529
T-Mobile Site ID CT11810A
401 Wakelee Avenue, Ansonia, CT
Notice of Construction Completion

Dear Attorney Bachman:

The Connecticut Siting Council ("Council") acknowledged the above referenced T-Mobile Northeast LLC ("T-Mobile") notice of exempt modification on June 27, 2013. T-Mobile hereby notifies the Council that construction of the acknowledged modifications were complete as of October 23, 2014.

Please don't hesitate to contact me with any questions.

Sincerely,

Rachel Schwartzman

Rachel A. Schwartzman

cc: Samuel Simons, T-Mobile
Mark Richard, T-Mobile
Robert Stanford, Vertical Development, LLC
Julie Kohler, Esq.

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL
Ten Franklin Square, New Britain, CT 06051
Phone: (860) 827-2935 Fax: (860) 827-2950
E-Mail: siting.council@ct.gov
www.ct.gov/csc

December 23, 2014

Rachel A. Schwartzman, Esq.
Cohen and Wolf, P.C.
P.O. Box 1821
Bridgeport, CT 06601

RE: EM-T-MOBILE-002-130529, 401 Wakelee Avenue, Ansonia, Connecticut
EM-T-MOBILE-006-130528, 60 Rice Lane, Beacon Falls, Connecticut

Dear Attorney Schwartzman:

The Connecticut Siting Council (Council) is in receipt of your letter dated December 22, 2014, submitted on behalf of T-Mobile, requesting an extension of time to submit a notice of completion of construction and associated post modification inspection reports for the above-referenced exempt modifications.

The Council hereby grants a 60-day extension of time to submit a notice of completion of construction and associated post modification inspection reports for the above-referenced exempt modifications.

This extension is granted with the understanding that the Council will be notified should T-Mobile need additional time beyond 60 days to submit a notice of completion and associated post modification inspection reports or decide not to proceed with construction.

Thank you for your attention to this matter.

Sincerely,

Melanie A. Bachman
Acting Executive Director

MAB/cm

COHEN and WOLF P.C.
ATTORNEYS AT LAW

RACHEL A. SCHWARTZMAN

Please Reply To: Bridgeport
Writer's Direct Dial: (203) 337-4110
E-Mail: rschwartzman@cohenandwolf.com

December 22, 2014

Via Electronic and Overnight Mail

Attorney Melanie Bachman
Acting Executive Director
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06501

Re: T-Mobile Notice of Completion Filings (First and Second Quarter Audit)
Connecticut Siting Council Letter, dated August 27, 2014

Dear Attorney Bachman:

T-Mobile Northeast, LLC (T-Mobile) respectfully requests an additional two-month extension of time to respond to the Council's request for notice of completion of construction and associated post-modification inspection reports (the "Compliance Filings") for the following sites:

EM-T-MOBILE-002-130529, 401 Wakelee Avenue, Ansonia, CT (Site ID 11810A)
EM-T-MOBILE-006-130528, 60 Rice Lane, Beacon Falls, CT (Site ID 11299D)

T-Mobile has filed the appropriate Compliance Filings for all first and second quarter audits, apart from the two above-referenced sites for which extension is sought. T-Mobile has diligently acquired much of the required documentation and is working with its vendors and engineers to acquire the proper closeout records. T-Mobile continues to actively compile the requested information but needs additional time to provide the necessary documentation.

Please do not hesitate to let me know if you have any questions.

Sincerely,

Rachel A. Schwartzman

RAS/lcc

1115 Broad Street
P.O. Box 1821
Bridgeport, CT 06601-1821
Tel: (203) 368-0211
Fax: (203) 394-9901

158 Deer Hill Avenue
Danbury, CT 06810
Tel: (203) 792-2771
Fax: (203) 791-8149

320 Post Road West
Westport, CT 06880
Tel: (203) 222-1034
Fax: (203) 227-1373

657 Orange Center Road
Orange, CT 06477
Tel: (203) 298-4066
Fax: (203) 298-4068

COHEN and WOLF P.C. ATTORNEYS AT LAW

cc: Patricia Hennelly, T-Mobile Northeast, LLC (via electronic mail)
Samuel Simons, T-Mobile Northeast, LLC (via electronic mail)
Mark Richard, T-Mobile Northeast, LLC (via electronic mail)
Robert Stanford, Vertical Development, LLC (via electronic mail)
Julie Kohler, Esq. (via electronic mail)

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL
Ten Franklin Square, New Britain, CT 06051
Phone: (860) 827-2935 Fax: (860) 827-2950
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www.ct.gov/csc

June 27, 2013

Chris Bisson
Real Estate Consultant
Transcend Wireless
48 Spruce Street
Oakland, NJ 07436

RE: **EM-T-MOBILE-002-130529** – T-Mobile Northeast LLC notice of intent to modify an existing telecommunications facility located at 401 Wakelee Avenue, Ansonia, Connecticut.

Dear Mr. Bisson:

The Connecticut Siting Council (Council) hereby acknowledges your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies with the following conditions:

- Any deviation from the proposed modification as specified in this notice and supporting materials with the Council shall render this acknowledgement invalid;
- Any material changes to this modification as proposed shall require the filing of a new notice with the Council;
- Within 45 days after completion of construction, the Council shall be notified in writing that construction has been completed;
- The validity of this action shall expire one year from the date of this letter; and
- The applicant may file a request for an extension of time beyond the one year deadline provided that such request is submitted to the Council not less than 60 days prior to the expiration;

The proposed modifications including the placement of all necessary equipment and shelters within the tower compound are to be implemented as specified here and in your notice dated May 15, 2013. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Please be advised that the validity of this action shall expire one year from the date of this letter. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Thank you for your attention and cooperation.

Very truly yours,

Melanie A. Bachman
Acting Executive Director

MAB/CDM/jb

c: The Honorable James T. DellaVolpe, Mayor, City of Ansonia
James Tanner, Zoning Enforcement Officer, City of Ansonia
American Tower

CONNECTICUT SITING COUNCIL

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL
Ten Franklin Square, New Britain, CT 06051
Phone: (860) 827-2935 Fax: (860) 827-2950
E-Mail: siting.council@ct.gov
www.ct.gov/csc

May 29, 2013

The Honorable James T. DellaVolpe
Mayor
City of Ansonia
City Hall
253 Main Street
Ansonia, CT 06401-1866

RE: **EM-T-MOBILE-002-130529** – T-Mobile Northeast LLC notice of intent to modify an existing telecommunications facility located at 401 Wakelee Avenue, Ansonia, Connecticut.

Dear Mayor DellaVolpe:

The Connecticut Siting Council (Council) received a request to modify an existing telecommunications facility, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72, a copy of which has already been provided to you.

If you have any questions or comments regarding the proposal, please call me or inform the Council by June 12, 2013.

Thank you for your cooperation and consideration.

Very truly yours,

Melanie Bachman
Acting Executive Director

MB/jb

c: James Tanner, Zoning Enforcement Officer, City of Ansonia

CONNECTICUT SITING COUNCIL

EM-T-MOBILE-002-130529

Transcend Wireless
48 Spruce Street
Oakland, NJ 07436
Phone: (203) 217-6200
Chris Bisson
Real Estate Consultant

05/15/2013

ORIGINAL

RECEIVED
MAY 29 2013
CONNECTICUT
SITING COUNCIL

Hand Delivered

Ms. Linda Roberts
Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

RE: T-Mobile Northeast LLC notice of intent to modify an existing telecommunications facility located at 401 Wakelee Avenue, Ansonia, CT, Known to T-Mobile Northeast LLC as site CT11810A.

Dear Ms. Roberts:

In order to accommodate technological changes, implement Global System for Mobile Communications Access ("GSM") and/or Long Term Evolution ("LTE") capabilities, and enhance system performance in the state of Connecticut, T-Mobile Northeast LLC plans to modify the equipment configurations at many of its existing cell sites. Please accept this letter and attachments as notification, pursuant to R.C.S.A. Section 16-50j-73, of construction which constitutes an exempt modification pursuant to R.C.S.A. Section 16-50j-72(b)(2). In compliance with R.C.S.A. Section 16-50j-73, a copy of this letter and its attachments is being sent to the chief elected official of the municipality in which affected cell site is located.

GSM employs Spread-Spectrum technology and special coding scheme to allow multiple users to be multiplexed over the same physical channel. LTE is a new high-performance air interface for cellular mobile communications. It is designed to increase the capacity and speed of mobile telephone networks.

As part of the project the new multi-mode 800/1900 antenna will replace existing antennas. These antennas will provide more flexibility for optimization by allowing fast and easy electrical tilt adjustment from remote location and will enable the transmission of multiple technologies from a single antenna. As T-Mobile Northeast LLC network evolves to meet the demands of its customers, it is essential for T-Mobile Northeast LLC to install modern equipment and antennas in order to provide reliable wireless voice and data services. The proposed equipment will include multi-mode radios that will allow T-Mobile Northeast LLC to transmit at different frequencies using different technologies, including LTE technology. Likewise, the proposed antennas are quad-pole multi-band

high gain antennas that will allow T-Mobile Northeast LLC to operate using its multiple frequency bands and technologies, including LTE technology. The proposed equipment and antennas will improve the reliability, coverage and capacity of T-Mobile Northeast LLC voice and data networks across T-Mobile Northeast LLC various FCC licensed frequency bands and significantly increase the data speeds of T-Mobile Northeast LLC 's network by utilizing the latest LTE technology. Without the proposed modifications T-Mobile Northeast LLC will be unable to provide reliable wireless voice and data service using the latest technologies.

T-Mobile Northeast LLC will have an interim (testing) period during the modification/installation prior to the final configuration. This antenna configuration is shown on the attached drawings of the planned modifications. Also included is the power density calculation reflecting the change in T-Mobile Northeast LLC operations at the site and documentation of the structural sufficiency of the tower to accommodate the revised antenna configuration.

The changes to the facility do not constitute modification as defined Connecticut General Statues ("C.G.S.") Section 16-50i(d) because the general physical characteristics of the facility will not be significantly changed or altered. Rather, the planned changes to the facility fall squarely within those activities explicitly provided for the R.C.S.A. Section 16-50j-72(b)(2).

1. The height of the overall structure will not be affected.
2. The proposed changes will not extend the site boundaries. There will be no effect on the site compound.
3. The proposed changes will not increase the noise level at the existing facility by 6 decibels or more.
4. Radio Frequency power density may increase due to the use of one or more GSM transmissions. Moreover, LTE will utilize additional radio frequencies newly licensed by the FCC for cellular mobile communications. However, the changes will not increase the calculated "worst case" power density for the combined operations at the site to a level at or above the applicable standard for uncontrolled environments as calculated for a mixed frequency site.

For the foregoing reasons T-Mobile Northeast LLC respectfully submits that the proposed changes at the referenced site constitute exempt modifications under R.C.S.A. Section 16-50j-72(b)(2).

Please feel free to call me at (203) 217-6200 or email cbisson@transcendwireless.com with questions concerning this matter.
Thank you for your consideration.

Sincerely,

Chris Bisson
(203) 217-6200

EBI Consulting
environmental | engineering | due diligence

RADIO FREQUENCY EMISSIONS ANALYSIS REPORT
EVALUATION OF HUMAN EXPOSURE POTENTIAL TO NON-IONIZING EMISSIONS

T-Mobile Existing Facility

Site ID: CT11810A

Spectrasite Ansonia
401 Wakelee Avenue
Ansonia, CT 06401

May 28, 2013

EBI Project Number: 62136241

21 B Street · Burlington, MA 01803 · Tel: (781) 273.2500 · Fax: (781) 273.3311

EBI Consulting
environmental | engineering | due diligence

May 28, 2013

T-Mobile USA
Attn: Jason Overbey, RF Manager
35 Griffin Road South
Bloomfield, CT 06002

Re: Emissions Values for Site: **CT11810A - Spectrasite Ansonia**

EBI Consulting was directed to analyze the proposed T-Mobile facility located at 401 Wakelee Avenue, Ansonia, CT, for the purpose of determining whether the emissions from the Proposed T-Mobile Antenna Installation located on this property are within specified federal limits.

All information used in this report was analyzed as a percentage of current Maximum Permissible Exposure (% MPE) as listed in the FCC OET Bulletin 65 Edition 97-01and ANSI/IEEE Std C95.1. The FCC regulates Maximum Permissible Exposure in units of microwatts per square centimeter (μW/cm2). The number of μW/cm2 calculated at each sample point is called the power density. The exposure limit for power density varies depending upon the frequencies being utilized. Wireless Carriers and Paging Services use different frequency bands each with different exposure limits, therefore it is necessary to report results and limits in terms of percent MPE rather than power density.

All results were compared to the FCC (Federal Communications Commission) radio frequency exposure rules, 47 CFR 1.1307(b)(1) – (b)(3), to determine compliance with the Maximum Permissible Exposure (MPE) limits for General Population/Uncontrolled environments as defined below.

General population/uncontrolled exposure limits apply to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Therefore, members of the general public would always be considered under this category when exposure is not employment related, for example, in the case of a telecommunications tower that exposes persons in a nearby residential area.

Public exposure to radio frequencies is regulated and enforced in units of microwatts per square centimeter (μW/cm2). The general population exposure limit for the cellular band is 567 μW/cm2, and the general population exposure limit for the PCS band is 1000 μW/cm2. Because each carrier will be using different frequency bands, and each frequency band has different exposure limits, it is necessary to report percent of MPE rather than power density.

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

Additional details can be found in FCC OET 65.

CALCULATIONS

Calculations were done for the proposed T-Mobile Wireless antenna facility located at 401 Wakelee Avenue, Ansonia, CT, using the equipment information listed below. All calculations were performed per the specifications under FCC OET 65. Since T-Mobile is proposing highly focused directional panel antennas, which project most of the emitted energy out toward the horizon, the actual antenna pattern gain value in the direction of the sample area was used. For this report the sample point is a 6 foot person standing at the base of the tower

For all calculations, all equipment was calculated using the following assumptions:

1) 2 GSM channels (1935.000 MHz—to 1945.000 MHz / 1980.000 MHz—to 1985.000 MHz) were considered for each sector of the proposed installation.
2) 2 UMTS channels (2110.000 MHz to 2120.000 MHz / 2140.000 MHz to 2145.000 MHz) were considered for each sector of the proposed installation
3) 2 LTE channels (2110.000 MHz to 2120.000 MHz / 2140.000 MHz to 2145.000 MHz) were considered for each sector of the proposed installation
4) All radios at the proposed installation were considered to be running at full power and were uncombined in their RF transmissions paths per carrier prescribed configuration. Per FCC OET Bulletin No. 65 - Edition 97-01 recommendations to achieve the maximum anticipated value at each sample point, all power levels emitting from the proposed antenna installation are increased by a factor of 2.56 to account for possible in-phase reflections from the surrounding environment. This is rarely the case, and if so, is never continuous.
5) For the following calculations the sample point was the top of a six foot person standing at the base of the tower. The actual gain in this direction was used per the manufactures supplied specifications.
6) The antenna used in this modeling is the Ericsson AIR21 for LTE, UMTS and GSM. This is based on feedback from the carrier with regards to anticipated antenna selection. This antenna has a 15.6 dBd gain value at its main lobe. Actual antenna gain values were used for all calculations as per the manufacturers specifications

7) The antenna mounting height centerline of the proposed antennas is **148 feet** above ground level (AGL)
8) Emissions values for additional carriers were taken from the Connecticut Siting Council active database. Values in this database are provided by the individual carriers themselves.

All calculation were done with respect to uncontrolled / general public threshold limits

Site ID	CT11810A - Spectrasite Ansonia
Site Addresss	401 Wakelee Avenue, Ansonia, CT 06401
Site Type	Self Support Tower

Sector 1

Antenna Number	Antenna Make	Antenna Model	Status	Frequency Band	Technology	Power Out Per Channel (Watts)	Number of Channels	Composite Power	Antenna Gain in direction of sample point (dBd)	Antenna Height (ft)	analysis height	Cable Size	Cable Loss (dB)	Additional Loss	ERP	Power Density Value	Power Density Percentage
1a	Ericsson	AIR21 B4A/B2P	Active	AWS - 2100 MHz	LTE	60	2	120	-3.95	148	142	None	0	0	48.326044	0.86161	0.08616%
1b	Ericsson	AIR21 B4A/B2P	Not Used	-	-			0	-3.95	148	142	None	0	0	0	0	0.00000%
2a	Ericsson	AIR21 B2A / B4P	Active	PCS - 1950 MHz	GSM / UMTS	30	2	60	-3.95	148	142	1-5/8"	0	0	24.163022	0.430805	0.04308%
2B	Ericsson	AIR21 B2A / B4P	Passive	AWS - 2100 MHz	UMTS	30	2	60	-3.95	148	142	1-5/8"	0	0	24.163022	0.430805	0.04308%
												Sector total Power Density Value:				0.172%	

Sector 2

Antenna Number	Antenna Make	Antenna Model	Status	Frequency Band	Technology	Power Out Per Channel (Watts)	Number of Channels	Composite Power	Antenna Gain in direction of sample point (dBd)	Antenna Height (ft)	analysis height	Cable Size	Cable Loss (dB)	Additional Loss	ERP	Power Density Value	Power Density Percentage
1a	Ericsson	AIR21 B4A/B2P	Active	AWS - 2100 MHz	LTE	60	2	120	-3.95	148	142	None	0	0	48.326044	0.86161	0.08616%
1b	Ericsson	AIR21 B4A/B2P	Not Used	-	-			0	-3.95	148	142	None	0	0	0	0	0.00000%
2a	Ericsson	AIR21 B2A / B4P	Active	PCS - 1950 MHz	GSM / UMTS	30	2	60	-3.95	148	142	1-5/8"	0	0	24.163022	0.430805	0.04308%
28	Ericsson	AIR21 B2A / B4P	Passive	AWS - 2100 MHz	UMTS	30	2	60	-3.95	148	142	1-5/8"	0	0	24.163022	0.430805	0.04308%
												Sector total Power Density Value:				0.172%	

Sector 3

Antenna Number	Antenna Make	Antenna Model	Status	Frequency Band	Technology	Power Out Per Channel (Watts)	Number of Channels	Composite Power	Antenna Gain in direction of sample point (dBd)	Antenna Height (ft)	analysis height	Cable Size	Cable Loss (dB)	Additional Loss	ERP	Power Density Value	Power Density Percentage
1a	Ericsson	AIR21 B4A/B2P	Active	AWS - 2100 MHz	LTE	60	2	120	-3.95	148	142	None	0	0	48.326044	0.86161	0.08616%
1b	Ericsson	AIR21 B4A/B2P	Not Used	-	-			0	-3.95	148	142	None	0	0	0	0	0.00000%
2a	Ericsson	AIR21 B2A / B4P	Active	PCS - 1950 MHz	GSM / UMTS	30	2	60	-3.95	148	142	1-5/8"	0	0	24.163022	0.430805	0.04308%
28	Ericsson	AIR21 B2A / B4P	Passive	AWS - 2100 MHz	UMTS	30	2	60	-3.95	148	142	1-5/8"	0	0	24.163022	0.430805	0.04308%
												Sector total Power Density Value:				0.172%	

Site Composite MPE %	
Carrier	MPE %
T-Mobile	0.517%
AT&T	14.610%
MetroPCS	2.760%
Clearwire	0.490%
Sprint Nextel	7.740%
Verizon Wireless	8.790%
Total Site MPE %	**34.907%**

EBI Consulting
environmental | engineering | due diligence

Summary

All calculations performed for this analysis yielded results that were well within the allowable limits for general public exposure to RF Emissions.

The anticipated Maximum Composite contributions from the T-Mobile facility are **0.517% (0.172% from each sector)** of the allowable FCC established general public limit considering all three sectors simultaneously sampled at the ground level.

The anticipated composite MPE value for this site assuming all carriers present is **34.907%** of the allowable FCC established general public limit sampled at the ground level. This is based upon values listed in the Connecticut Siting Council database for existing carrier emissions.

FCC guidelines state that if a site is found to be out of compliance (over allowable thresholds), that carriers over a 5% contribution to the composite value will require measures to bring the site into compliance. For this facility, the composite values calculated were within the allowable 100% threshold standard per the federal government.

Scott Heffernan
RF Engineering Director

EBI Consulting
21 B Street
Burlington, MA 01803

AMERICAN TOWER®
CORPORATION

Structural Analysis Report

Structure	:	**196 ft Self Supported Tower**
ATC Site Name	:	**Ansonia Wakelee, CT**
ATC Site Number	:	**302470**
Engineering Number	:	**53054721**
Proposed Carrier	:	**T-Mobile**
Carrier Site Name	:	**N/A**
Carrier Site Number	:	**CT11810A**
Site Location	:	**401 Wakelee Ave** **Ansonia, CT 06401-1226** **41.356069,-73.092000**
County	:	**New Haven**
Date	:	**April 23, 2013**
Max Usage	:	**92%**
Result	:	**Pass**

Amir H. Tabarestani, E.I.
Design Engineer

STATE OF CONNECTICUT
RAPHAEL I. MOHAMED
No. 25112
LICENSED
PROFESSIONAL ENGINEER

5/6/13

AMERICAN TOWER®
CORPORATION

Eng. Number 53054721
April 23, 2013

Table of Contents

AMERICAN TOWER®
CORPORATION

Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 196 ft self supported tower to reflect the change in loading by T-Mobile.

Supporting Documents

Tower Drawings	Rohn Drawing #A991899 dated July 7, 1999
Foundation Drawing	Rohn Drawing #A992523-1, dated September 22, 1999
Geotechnical Report	Tectonic Engineering Consultants W.O. #1170C754, dated May 20, 1999

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:	105 mph (3-Second Gust)
Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ 3/4" radial ice concurrent
Code:	ANSI/TIA-222-G, Addendum 2 / 2003 IBC w/ 2005 CT Supplement & 2009 CT Amendment
Structure Class:	II
Exposure Category:	B
Topographic Category:	1

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 me via email at amir.tabarestani@americantower.com or call 919-466-5046.

Existing and Reserved Equipment

Mount Elev.[1] (ft)	Qty.	Antenna	Mount Type	Lines	Carrier
194.0	3	Argus LLPX310R	Sector Frames	(6) 5/16" Coax (2) 3" Conduit (2) 1/2" Coax	Clearwire
	2	DragonWave A-ANT-18G-2-C			
	3	NextNet BTS-2500			
	2	DragonWave Horizon Compact			
	3	KMW TTA (HB-X-WM-17-65-00T)		(10) 1 1/4" Coax (6) 1 5/8" Coax	Sprint Nextel
	3	72" x 12" Panels			
	9	48" x 12" Panels			
183.0	2	Powerwave P40-16-XLPP-RRR	Sector Frames	(6) 7/8" Coax (3) 1 1/4" Hybriflex	
	6	Andrew DB980H90E-M			
	1	RFS APXVSPP18-C-A20			
	3	Alcatel-Lucent 800 MHz RRH			
	3	Alcatel-Lucent 1900 MHz 4x45 R			
179.0	3	Antel BXA-171063-8CF-EDIN-X	Sector Frames	(12) 1 5/8" Coax	Verizon
	3	Antel BXA-80080/4CF			
	6	RFS FD9R6004/2C-3L			
	3	Powerwave P65-16-XL-2			
	3	Rymsa MGD3-800TX			
167.0	9	72" x 12" Panel	Sector Frames	(2) 0.78" 8 AWG 6 (12) 1 5/8" Coax (1) 3" Conduit (1) 0.39" Cable	AT&T Mobility
	3	36" x 8" x 6" Panel			
	6	Ericsson RRUS 11			
	1	Raycap DC6-48-60-18-8F			
	9	14" x 9" TTA			
157.0	3	Kathrein 742 213	Leg	(6) 1 5/8" Coax	Metro PCS
148.0	-	-	Sector Frames	(12) 1 5/8" Coax	T-Mobile
125.0	2	Motorola PTP54600	Leg	(2) 1/4" Coax	City Of Ansonia
104.0	2	2" x 8" GPS	Side Arm	(2) 1/2" Coax	Sprint Nextel
82.0	1	10' Omni	Side Arm	(1) 1/2" Coax	Ansonia Fire Dept.
76.0	1	PCTEL GPS-TMG-HR-26N	Side Arm	(1) 1/2" Coax	Sprint Nextel

Proposed Equipment

Elevation[1] (ft)		Qty.	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
148.0	148.0	3	Ericsson KRY 112 144/1	Sector Frames	(1) 1 1/4" Hybriflex	T-Mobile
		3	Ericsson AIR 21, 1.3M, B4A B2P			
		3	Ericsson AIR 21, 1.3M, B2A B4P			

[1]Mount 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 stacked on top of existing T-Mobile coax.

Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Legs	92%	Pass
Diagonals	92%	Pass
Horizontals	13%	Pass
Anchor Bolts	59%	Pass
Leg Bolts	74%	Pass

Foundations

Reaction Component	Original Design Reactions	Factored Design Reactions*	Analysis Reactions	% of Design
Uplift (Kips)	301.1	406.5	353.8	87%
Axial (Kips)	343.0	463.1	406.5	88%
Shear (Kips)	36.3	49.0	41.2	84%

*** 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, Twist and Sway*

Antenna Elevation (ft)	Deflection (ft)	Twist (°)	Sway (Rotation) (°)
148.0	0.757	0.017	0.623

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

AMERICAN TOWER®
CORPORATION

Standard Conditions

All engineering services are performed on the basis that the information used is current and correct. This information may consist of, but is not necessary limited, to:

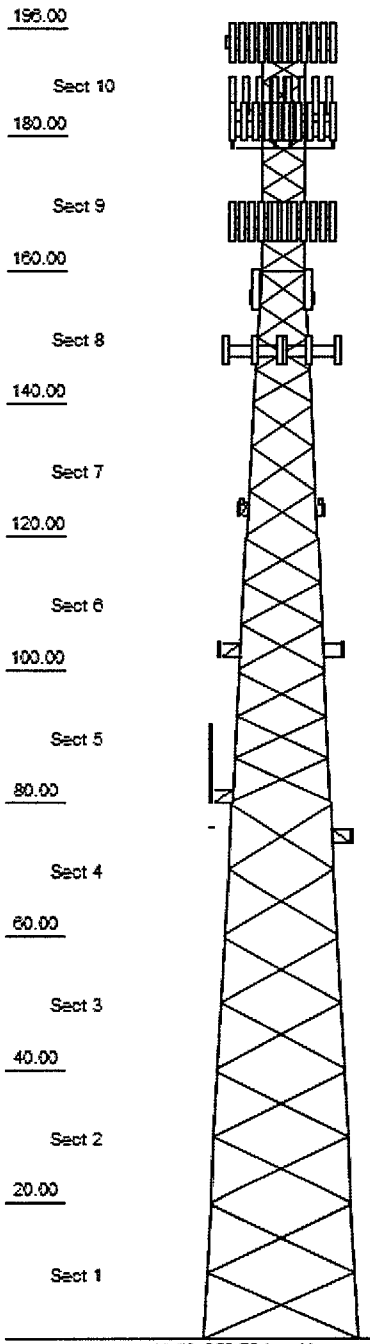
-- Information supplied by the client regarding the structure itself, antenna, mounts and feed line loading on the structure and its components, or other relevant information.

-- Information from drawings in the possession of American Tower Corporation, or generated by field inspections or measurements of the structure.

It is the responsibility of the client to ensure that the information provided to ATC Tower Services and used in the performance of our engineering services is correct and complete. In the absence of information to the contrary, we assume that all structures were constructed in accordance with the drawings and specifications and that their capacity has not significantly changed from the "as new" condition.

Unless explicitly agreed by both the client and American Tower Corporation, all services will be performed in accordance with the current revision of ANSI/TIA -222. The design basic wind speed will be determined based on the minimum basic wind speed as prescribed in ANSI/TIA-222. Although every effort is taken to ensure that the loading considered is adequate to meet the requirements of all applicable regulatory entities, we can provide no assurance to meet any other local and state codes or requirements. If wind and ice loads or other relevant parameters are to be different from the minimum values recommended by the codes, the client shall specify the exact requirement.

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



Loads: 105 mph no ice
50 mph w / 3/4" radial ice
60 mph Serviceability
105 mph Serviceability

Uplift 353.79 k Moment 7,672.50 ft-k
Vert 406.50 k Total Down 63.93 k
Horiz 41.20 k Total Shear 67.42 k

Job Information

Tower : 302470	Location : Ansonia Wakelee, CT	
Code: ANSI/TIA-222 Rev G	Shape : Triangle	Base Width : 23.00 ft
Client : T-Mobile		Top Width : 6.65 ft

Sections Properties

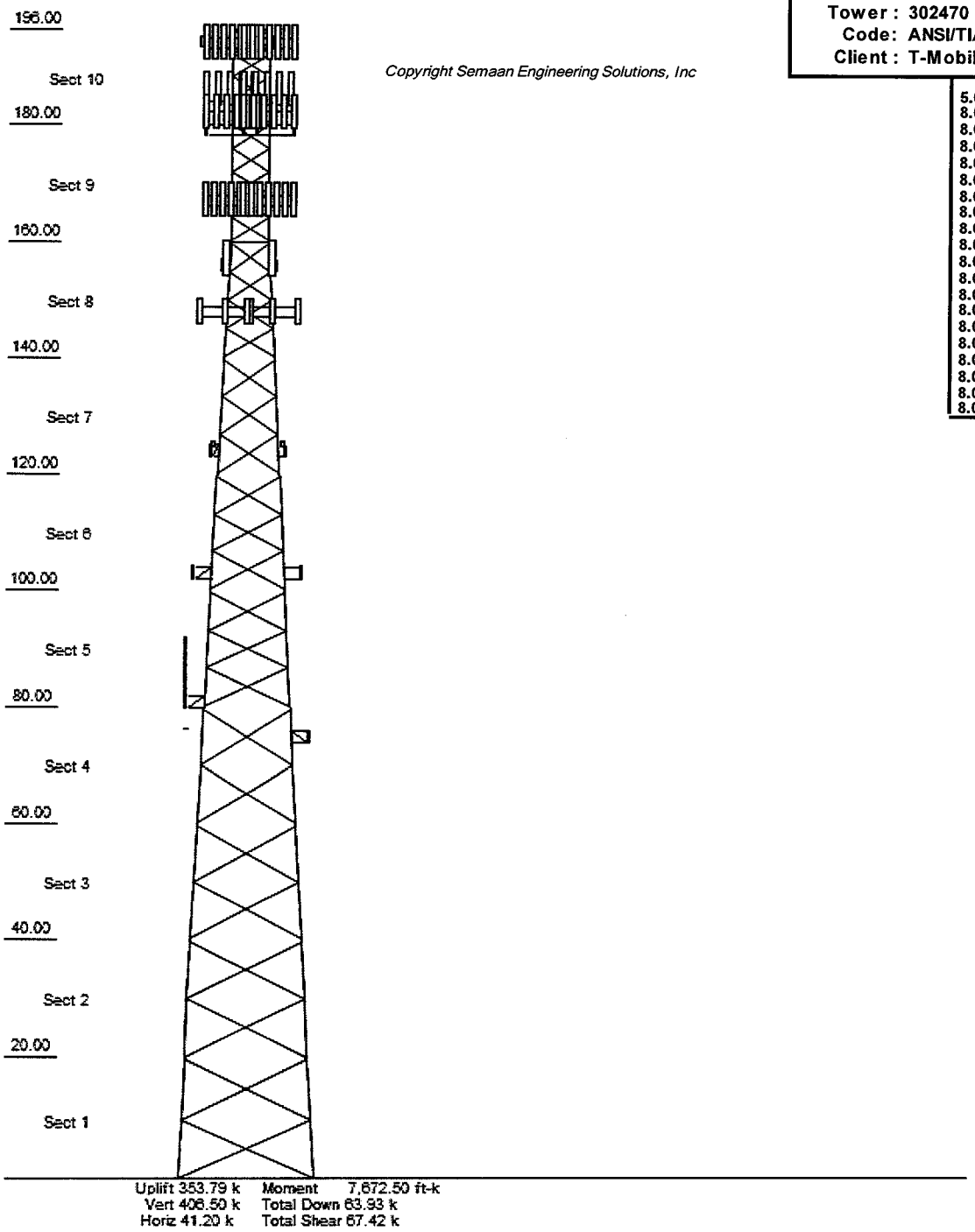
Section	Leg Members		Diagonal Members	Horizontal Members
1	PX 50 ksi	8" DIA PIPE	SAE 50 ksi 4X4X0.25	
2	PSP 50 ksi	ROHN 8 EHS	SAE 50 ksi 4X4X0.25	
3	PSP 50 ksi	ROHN 8 EHS	SAE 50 ksi 3.5X3.5X0.25	
4	PX 50 ksi	6" DIA PIPE	SAE 50 ksi 3.5X3.5X0.25	
5	PSP 50 ksi	ROHN 6 EHS	SAE 50 ksi 3X3X0.25	
6 - 7	PX 50 ksi	5" DIA PIPE	SAE 36 ksi 2.5X2.5X0.25	
8	PX 50 ksi	4" DIA PIPE	SAE 36 ksi 2X2X0.25	SAE 36 ksi 2X2X0.125
9	PX 50 ksi	3" DIA PIPE	SAE 36 ksi 2X2X0.1875	
10	PST 50 ksi	2-1/2" DIA PIPE	SAE 36 ksi 1.75X1.75X0.1875	SAE 36 ksi 2X2X0.125

Discrete Appurtenance

Elev (ft)	Type	Qty	Description
194.00	Panel	3	Argus LLPX310R
194.00	Dish	2	DragonWave A-ANT-18G-2-C
194.00	Panel	3	NextNet BTS-2500
194.00	Panel	2	DragonWave Horizon Compact
194.00		3	KMW TTA (HB-X-WM-17-65-00T)
194.00	Mounting Frame	3	Round Sector Frames
194.00	Panel	3	72" x 12" Panels
194.00	Panel	9	48" x 12" Panels
183.00	Panel	2	Powerwave P40-16-XLPP-RRR
183.00	Panel	6	Andrew DB980H90E-M
183.00	Panel	1	RFS APXVSPP18-C-A20
183.00	Panel	3	Alcatel-Lucent 800 MHz RRH
183.00	Panel	3	Alcatel-Lucent 1900 MHz 4x45 R
183.00	Mounting Frame	3	Round Sector Frames
179.00	Panel	3	Antel BXA-171063-8CF-EDIN-X
179.00	Panel	3	Antel BXA-80080/4CF
179.00	Panel	6	RFS FD9R6004/2C-3L
179.00	Mounting Frame	3	Flat Light Sector Frames
179.00	Panel	3	Powerwave P65-16-XL-2
179.00	Panel	3	Rymsa MGD3-800TX
167.00	Panel	9	72" x 12" Panel
167.00	Panel	3	36" x 8" x 6" Panel
167.00	Panel	6	Ericsson RRUS 11
167.00	Panel	1	Raycap DC6-48-60-18-8F
167.00	Mounting Frame	3	Round Sector Frames
167.00		9	14" x 9" TTA
157.00	Panel	3	Kathrein 742 213
148.00	Panel	3	Ericsson KRY 112 144/1
148.00	Panel	3	Ericsson AIR 21, 1.3M, B4A B2P
148.00	Panel	3	Ericsson AIR 21, 1.3M, B2A B4P
148.00	Mounting Frame	3	Round Sector Frame
125.00	Panel	2	Motorola PTP54600
104.00	Straight Arm	2	Side Arms
104.00	Whip	2	2" x 8" GPS
82.00	Straight Arm	1	Side Arm
82.00	Whip	1	10' Omni
76.00	Straight Arm	1	Side Arm
76.00	Panel	1	PCTEL GPS-TMG-HR-26N

Linear Appurtenance

Elev (ft) From	To	Qty	Description
8.000	194.00	2	Wave Guide
8.000	194.00	6	5/16" Coax
8.000	194.00	2	3" Conduit
8.000	194.00	2	1/2" Coax
8.000	194.00	6	1 5/8" Coax
8.000	194.00	10	1 1/4" Coax

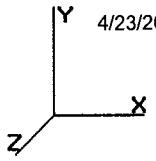


Job Information

Tower : 302470	**Location : Ansonia Wakelee, CT**	
Code: ANSI/TIA-222 Rev G	**Shape : Triangle**	**Base Width : 23.00 ft**
Client : T-Mobile		**Top Width : 6.65 ft**

5.000	194.00	1	Climbing Ladder
8.000	183.00	1	Wave Guide
8.000	183.00	6	7/8" Coax
8.000	183.00	3	1 1/4" Hybriflex
8.000	179.00	6	1 5/8" Coax
8.000	179.00	6	1 5/8" Coax
8.000	167.00	1	Wave Guide
8.000	167.00	1	3" Conduit
8.000	167.00	12	1 5/8" Coax
8.000	167.00	2	0.78" 8 AWG 6
8.000	167.00	1	0.39" Cable
8.000	157.00	1	Waveguide
8.000	157.00	6	1 5/8" Coax
8.000	148.00	1	Wave Guide
8.000	148.00	12	1 5/8" Coax
8.000	148.00	1	1 1/4" Hybriflex
8.000	125.00	2	1/4" Coax
8.000	104.00	2	1/2" Coax
8.000	82.000	1	1/2" Coax
8.000	76.000	1	1/2" Coax

Site Number: 302470
Location: Ansonia Wakelee, CT
Code: ANSI/TIA-222 Rev G
Struct Class : II
Exposure : B
Topo : 1



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Section Forces

LoadCase 1.2D + 1.6W Normal

105.00 mph Normal to Face with No Ice

Gust Response Factor : 0.85
Dead Load Factor : 1.20
Wind Load Factor : 1.60

Wind Importance Factor : 1.00

Sect Seq	Wind Height (ft)	qz (psf)	Total Flat Area (sqft)	Total Round Area (sqft)	Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Linear Area (sqft)	Ice Linear Area (sqft)	Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
10	188.0	28.39	9.82	7.67	0.00	0.16	2.74	1.00	1.00	0.00	14.18	34.61	0.00	1,618.3	0.0	1,501.14	1,189.5	2,690.68
9	170.0	27.59	12.47	11.67	0.00	0.17	2.69	1.00	1.00	0.00	17.49	107.84	0.00	3,135.9	0.0	1,766.70	2,797.7	4,564.44
8	150.0	26.62	12.83	15.03	0.00	0.17	2.70	1.00	1.00	0.00	19.28	150.76	0.00	4,436.9	0.0	1,883.38	3,914.5	5,797.94
7	130.0	25.55	14.16	18.57	0.00	0.16	2.74	1.00	1.00	0.00	22.02	167.42	0.00	5,282.0	0.0	2,096.22	4,132.3	6,228.59
6	110.0	24.36	16.35	18.58	0.00	0.14	2.80	1.00	1.00	0.00	24.05	168.28	0.00	5,440.7	0.0	2,233.19	3,960.3	6,193.52
5	90.00	23.01	22.17	22.12	0.00	0.15	2.76	1.00	1.00	0.00	31.47	168.39	0.00	6,018.6	0.0	2,716.49	3,742.0	6,458.51
4	70.00	21.41	21.08	22.12	0.00	0.13	2.84	1.00	1.00	0.00	30.14	170.17	0.00	6,370.8	0.0	2,493.12	3,520.1	6,013.29
3	50.00	19.45	22.98	28.80	0.00	0.14	2.81	1.00	1.00	0.00	34.88	170.38	0.00	6,846.6	0.0	2,595.59	3,201.5	5,797.10
2	30.00	16.81	28.71	28.80	0.00	0.14	2.81	1.00	1.00	0.00	40.61	170.38	0.00	7,255.5	0.0	2,611.27	2,766.7	5,378.02
1	10.00	16.79	31.13	28.80	0.00	0.13	2.84	1.00	1.00	0.00	42.93	102.73	0.00	7,094.7	0.0	2,783.75	1,672.3	4,456.10
														53,500.0	0.0			53,578.19

LoadCase 1.2D + 1.6W 60 deg

105.00 mph 60 deg with No Ice

Gust Response Factor : 0.85
Dead Load Factor : 1.20
Wind Load Factor : 1.60

Wind Importance Factor : 1.00

Sect Seq	Wind Height (ft)	qz (psf)	Total Flat Area (sqft)	Total Round Area (sqft)	Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Linear Area (sqft)	Ice Linear Area (sqft)	Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
10	188.0	28.39	9.82	7.67	0.00	0.16	2.74	0.80	1.00	0.00	12.22	34.61	0.00	1,618.3	0.0	1,293.18	1,189.5	2,482.72
9	170.0	27.59	12.47	11.67	0.00	0.17	2.69	0.80	1.00	0.00	15.00	107.84	0.00	3,135.9	0.0	1,514.76	2,797.7	4,312.50
8	150.0	26.62	12.83	15.03	0.00	0.17	2.70	0.80	1.00	0.00	16.72	150.76	0.00	4,436.9	0.0	1,632.73	3,914.5	5,547.30
7	130.0	25.55	14.16	18.57	0.00	0.16	2.74	0.80	1.00	0.00	19.19	167.42	0.00	5,282.0	0.0	1,826.65	4,132.3	5,959.02
6	110.0	24.36	16.35	18.58	0.00	0.14	2.80	0.80	1.00	0.00	20.78	168.28	0.00	5,440.7	0.0	1,929.55	3,960.3	5,889.88
5	90.00	23.01	22.17	22.12	0.00	0.15	2.76	0.80	1.00	0.00	27.04	168.39	0.00	6,018.6	0.0	2,333.73	3,742.0	6,075.75
4	70.00	21.41	21.08	22.12	0.00	0.13	2.84	0.80	1.00	0.00	25.93	170.17	0.00	6,370.8	0.0	2,144.37	3,520.1	5,664.54
3	50.00	19.45	22.98	28.80	0.00	0.14	2.81	0.80	1.00	0.00	30.29	170.38	0.00	6,846.6	0.0	2,253.54	3,201.5	5,455.05
2	30.00	16.81	28.71	28.80	0.00	0.14	2.81	0.80	1.00	0.00	34.87	170.38	0.00	7,255.5	0.0	2,242.01	2,766.7	5,008.76
1	10.00	16.79	31.13	28.80	0.00	0.13	2.84	0.80	1.00	0.00	36.70	102.73	0.00	7,094.7	0.0	2,380.02	1,672.3	4,052.37
														53,500.0	0.0			50,447.90

LoadCase 1.2D + 1.6W 90 deg

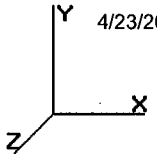
105.00 mph 90 deg with No Ice

Gust Response Factor : 0.85
Dead Load Factor : 1.20
Wind Load Factor : 1.60

Wind Importance Factor : 1.00

Sect Seq	Wind Height (ft)	qz (psf)	Total Flat Area (sqft)	Total Round Area (sqft)	Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Linear Area (sqft)	Ice Linear Area (sqft)	Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
10	188.0	28.39	9.82	7.67	0.00	0.16	2.74	0.85	1.00	0.00	12.71	34.61	0.00	1,618.3	0.0	1,345.17	1,189.5	2,534.71

Site Number: 302470
Location: Ansonia Wakelee, CT
Code: ANSI/TIA-222 Rev G
Struct Class : II
Exposure : B
Topo : 1



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Section Forces

Sect Seq	Height (ft)	qz (psf)	Total Flat Area (sqft)	Total Round Area (sqft)	Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Linear Area (sqft)	Ice Linear Area (sqft)	Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
9	170.0	27.59	12.47	11.67	0.00	0.17	2.69	0.85	1.00	0.00	15.62	107.84	0.00	3,135.9	0.0	1,577.75	2,797.7	4,375.49
8	150.0	26.62	12.83	15.03	0.00	0.17	2.70	0.85	1.00	0.00	17.36	150.76	0.00	4,436.9	0.0	1,695.39	3,914.5	5,609.96
7	130.0	25.55	14.16	18.57	0.00	0.16	2.74	0.85	1.00	0.00	19.90	167.42	0.00	5,282.0	0.0	1,894.05	4,132.3	6,026.41
6	110.0	24.36	16.35	18.58	0.00	0.14	2.80	0.85	1.00	0.00	21.59	168.28	0.00	5,440.7	0.0	2,005.46	3,960.3	5,965.79
5	90.00	23.01	22.17	22.12	0.00	0.15	2.76	0.85	1.00	0.00	28.14	168.39	0.00	6,018.6	0.0	2,429.42	3,742.0	6,171.44
4	70.00	21.41	21.08	22.12	0.00	0.13	2.84	0.85	1.00	0.00	26.98	170.17	0.00	6,370.8	0.0	2,231.56	3,520.1	5,751.72
3	50.00	19.45	22.98	28.80	0.00	0.14	2.81	0.85	1.00	0.00	31.44	170.38	0.00	6,846.6	0.0	2,339.06	3,201.5	5,540.57
2	30.00	16.81	28.71	28.80	0.00	0.14	2.81	0.85	1.00	0.00	36.30	170.38	0.00	7,255.5	0.0	2,334.33	2,766.7	5,101.07
1	10.00	16.79	31.13	28.80	0.00	0.13	2.84	0.85	1.00	0.00	38.26	102.73	0.00	7,094.7	0.0	2,480.95	1,672.3	4,153.30
														53,500.0	0.0			51,230.47

LoadCase 0.9D + 1.6W Normal

105.00 mph Normal to Face with No Ice (Reduced DL)

Gust Response Factor : 0.85
Dead Load Factor : 0.90
Wind Load Factor : 1.60

Wind Importance Factor : 1.00

Sect Seq	Height (ft)	qz (psf)	Total Flat Area (sqft)	Total Round Area (sqft)	Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Linear Area (sqft)	Ice Linear Area (sqft)	Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
10	188.0	28.39	9.82	7.67	0.00	0.16	2.74	1.00	1.00	0.00	14.18	34.61	0.00	1,213.8	0.0	1,501.14	1,189.5	2,690.68
9	170.0	27.59	12.47	11.67	0.00	0.17	2.69	1.00	1.00	0.00	17.49	107.84	0.00	2,351.9	0.0	1,766.70	2,797.7	4,564.44
8	150.0	26.62	12.83	15.03	0.00	0.17	2.70	1.00	1.00	0.00	19.28	150.76	0.00	3,327.7	0.0	1,883.38	3,914.5	5,797.94
7	130.0	25.55	14.16	18.57	0.00	0.16	2.74	1.00	1.00	0.00	22.02	167.42	0.00	3,961.5	0.0	2,096.22	4,132.3	6,228.59
6	110.0	24.36	16.35	18.58	0.00	0.14	2.80	1.00	1.00	0.00	24.05	168.28	0.00	4,080.5	0.0	2,233.19	3,960.3	6,193.52
5	90.00	23.01	22.17	22.12	0.00	0.15	2.76	1.00	1.00	0.00	31.47	168.39	0.00	4,513.9	0.0	2,716.49	3,742.0	6,458.51
4	70.00	21.41	21.08	22.12	0.00	0.13	2.84	1.00	1.00	0.00	30.14	170.17	0.00	4,778.1	0.0	2,493.12	3,520.1	6,013.29
3	50.00	19.45	22.98	28.80	0.00	0.14	2.81	1.00	1.00	0.00	34.88	170.38	0.00	5,134.9	0.0	2,595.59	3,201.5	5,797.10
2	30.00	16.81	28.71	28.80	0.00	0.14	2.81	1.00	1.00	0.00	40.61	170.38	0.00	5,441.6	0.0	2,611.27	2,766.7	5,378.02
1	10.00	16.79	31.13	28.80	0.00	0.13	2.84	1.00	1.00	0.00	42.93	102.73	0.00	5,321.0	0.0	2,783.75	1,672.3	4,456.10
														40,125.0	0.0			53,578.19

LoadCase 0.9D + 1.6W 60 deg

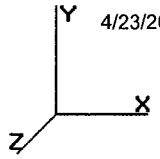
105.00 mph 60 deg with No Ice (Reduced DL)

Gust Response Factor : 0.85
Dead Load Factor : 0.90
Wind Load Factor : 1.60

Wind Importance Factor : 1.00

Sect Seq	Height (ft)	qz (psf)	Total Flat Area (sqft)	Total Round Area (sqft)	Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Linear Area (sqft)	Ice Linear Area (sqft)	Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
10	188.0	28.39	9.82	7.67	0.00	0.16	2.74	0.80	1.00	0.00	12.22	34.61	0.00	1,213.8	0.0	1,293.18	1,189.5	2,482.72
9	170.0	27.59	12.47	11.67	0.00	0.17	2.69	0.80	1.00	0.00	15.00	107.84	0.00	2,351.9	0.0	1,514.76	2,797.7	4,312.50
8	150.0	26.62	12.83	15.03	0.00	0.17	2.70	0.80	1.00	0.00	16.72	150.76	0.00	3,327.7	0.0	1,632.73	3,914.5	5,547.30
7	130.0	25.55	14.16	18.57	0.00	0.16	2.74	0.80	1.00	0.00	19.19	167.42	0.00	3,961.5	0.0	1,826.65	4,132.3	5,959.02
6	110.0	24.36	16.35	18.58	0.00	0.14	2.80	0.80	1.00	0.00	20.78	168.28	0.00	4,080.5	0.0	1,929.55	3,960.3	5,889.88
5	90.00	23.01	22.17	22.12	0.00	0.15	2.76	0.80	1.00	0.00	27.04	168.39	0.00	4,513.9	0.0	2,333.73	3,742.0	6,075.75
4	70.00	21.41	21.08	22.12	0.00	0.13	2.84	0.80	1.00	0.00	25.93	170.17	0.00	4,778.1	0.0	2,144.37	3,520.1	5,664.54
3	50.00	19.45	22.98	28.80	0.00	0.14	2.81	0.80	1.00	0.00	30.29	170.38	0.00	5,134.9	0.0	2,253.54	3,201.5	5,455.05
2	30.00	16.81	28.71	28.80	0.00	0.14	2.81	0.80	1.00	0.00	34.87	170.38	0.00	5,441.6	0.0	2,242.01	2,766.7	5,008.76
1	10.00	16.79	31.13	28.80	0.00	0.13	2.84	0.80	1.00	0.00	36.70	102.73	0.00	5,321.0	0.0	2,380.02	1,672.3	4,052.37
														40,125.0	0.0			50,447.90

Site Number: 302470
Location: Ansonia Wakelee, CT
Code: ANSI/TIA-222 Rev G
Struct Class : II
Exposure : B
Topo : 1



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Section Forces

LoadCase 0.9D + 1.6W 90 deg

105.00 mph 90 deg with No Ice (Reduced DL)

Gust Response Factor : 0.85
Dead Load Factor : 0.90
Wind Load Factor : 1.60

Wind Importance Factor : 1.00

Sect Seq	Wind Height (ft)	qz (psf)	Total Flat Area (sqft)	Total Round Area (sqft)	Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Linear Area (sqft)	Ice Linear Area (sqft)	Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
10	188.0	28.39	9.82	7.67	0.00	0.16	2.74	0.85	1.00	0.00	12.71	34.61	0.00	1,213.8	0.0	1,345.17	1,189.5	2,534.71
9	170.0	27.59	12.47	11.67	0.00	0.17	2.69	0.85	1.00	0.00	15.62	107.84	0.00	2,351.9	0.0	1,577.75	2,797.7	4,375.49
8	150.0	26.62	12.83	15.03	0.00	0.17	2.70	0.85	1.00	0.00	17.36	150.76	0.00	3,327.7	0.0	1,695.39	3,914.5	5,609.96
7	130.0	25.55	14.16	18.57	0.00	0.16	2.74	0.85	1.00	0.00	19.90	167.42	0.00	3,961.5	0.0	1,894.05	4,132.3	6,026.41
6	110.0	24.36	16.35	18.58	0.00	0.14	2.80	0.85	1.00	0.00	21.59	168.28	0.00	4,080.5	0.0	2,005.46	3,960.3	5,965.79
5	90.00	23.01	22.17	22.12	0.00	0.15	2.76	0.85	1.00	0.00	28.14	168.39	0.00	4,513.9	0.0	2,429.42	3,742.0	6,171.44
4	70.00	21.41	21.08	22.12	0.00	0.13	2.84	0.85	1.00	0.00	26.98	170.17	0.00	4,778.1	0.0	2,231.56	3,520.1	5,751.72
3	50.00	19.45	22.98	28.80	0.00	0.14	2.81	0.85	1.00	0.00	31.44	170.38	0.00	5,134.9	0.0	2,339.06	3,201.5	5,540.57
2	30.00	16.81	28.71	28.80	0.00	0.14	2.81	0.85	1.00	0.00	36.30	170.38	0.00	5,441.6	0.0	2,334.33	2,766.7	5,101.07
1	10.00	16.79	31.13	28.80	0.00	0.13	2.84	0.85	1.00	0.00	38.26	102.73	0.00	5,321.0	0.0	2,480.95	1,672.3	4,153.30
														40,125.0	0.0			51,230.47

LoadCase 1.2D + 1.0Di + 1.0Wi Normal

50.00 mph Normal with 0.75 in Radial Ice

Gust Response Factor : 0.85
Dead Load Factor : 1.20
Wind Load Factor : 1.00
Ice Dead Load Factor : 1.00

Wind Importance Factor : 1.00
Ice Importance Factor : 1.00

Sect Seq	Wind Height (ft)	qz (psf)	Total Flat Area (sqft)	Total Round Area (sqft)	Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Linear Area (sqft)	Ice Linear Area (sqft)	Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
10	188.0	6.44	7.86	30.08	29.93	0.33	2.22	1.00	1.00	1.79	30.73	52.99	22.69	5,224.7	3,606.4	373.67	369.41	743.09
9	170.0	6.26	9.98	37.08	34.68	0.32	2.24	1.00	1.00	1.77	38.06	144.86	148.13	11,520.4	8,384.5	453.30	1,034.2	1,487.51
8	150.0	6.04	12.83	50.06	35.03	0.37	2.12	1.00	1.00	1.75	44.09	200.76	200.59	15,141.8	10,705.	480.26	1,326.4	1,806.67
7	130.0	5.79	14.16	50.35	31.78	0.30	2.28	1.00	1.00	1.72	44.39	224.53	207.54	16,659.3	11,377.	499.25	1,443.2	1,942.44
6	110.0	5.52	16.35	52.79	34.21	0.27	2.37	1.00	1.00	1.69	47.56	224.54	215.64	17,028.0	11,587.	528.76	1,435.4	1,964.24
5	90.00	5.22	22.17	58.62	36.50	0.27	2.37	1.00	1.00	1.66	56.84	223.64	221.74	18,213.1	12,194.	596.25	1,376.9	1,973.20
4	70.00	4.86	21.08	53.00	30.88	0.22	2.52	1.00	1.00	1.62	51.75	224.19	226.64	18,139.9	11,769.	539.09	1,346.7	1,885.82
3	50.00	4.41	22.98	60.53	31.73	0.22	2.53	1.00	1.00	1.56	58.00	222.79	221.83	18,634.8	11,788.	549.66	1,205.9	1,755.55
2	30.00	3.81	28.71	60.76	31.96	0.21	2.55	1.00	1.00	1.49	63.77	220.45	213.27	18,897.8	11,642.	527.18	1,017.9	1,545.10
1	10.00	3.81	31.13	59.05	30.25	0.20	2.61	1.00	1.00	1.33	65.01	130.66	117.76	14,924.4	7,829.7	548.74	586.09	1,134.83
														154,384.2	100,884.			16,238.45

LoadCase 1.2D + 1.0Di + 1.0Wi 60 deg

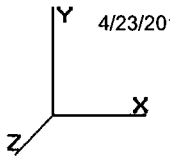
50.00 mph 60 deg with 0.75 in Radial Ice

Gust Response Factor : 0.85
Dead Load Factor : 1.20
Wind Load Factor : 1.00
Ice Dead Load Factor : 1.00

Wind Importance Factor : 1.00
Ice Importance Factor : 1.00

Sect Seq	Wind Height (ft)	qz (psf)	Total Flat Area (sqft)	Total Round Area (sqft)	Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Linear Area (sqft)	Ice Linear Area (sqft)	Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
10	188.0	6.44	7.86	30.08	29.93	0.33	2.22	0.80	1.00	1.79	29.16	52.99	22.69	5,224.7	3,606.4	354.57	369.41	723.98

Site Number: 302470
Location: Ansonia Wakelee, CT
Code: ANSI/TIA-222 Rev G
Struct Class : II
Exposure : B
Topo : 1



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Section Forces

Sect Seq	Wind Height (ft)	qz (psf)	Total Flat Area (sqft)	Total Round Area (sqft)	Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Linear Area (sqft)	Ice Linear Area (sqft)	Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
9	170.0	6.26	9.98	37.08	34.68	0.32	2.24	0.80	1.00	1.77	36.07	144.86	148.13	11,520.4	8,384.5	429.54	1,034.2	1,463.74
8	150.0	6.04	12.83	50.06	35.03	0.37	2.12	0.80	1.00	1.75	41.52	200.76	200.59	15,141.8	10,705.	452.30	1,326.4	1,778.72
7	130.0	5.79	14.16	50.35	31.78	0.30	2.28	0.80	1.00	1.72	41.56	224.53	207.54	16,659.3	11,377.	467.40	1,443.2	1,910.59
6	110.0	5.52	16.35	52.79	34.21	0.27	2.37	0.80	1.00	1.69	44.29	224.54	215.64	17,028.0	11,587.	492.41	1,435.4	1,927.89
5	90.00	5.22	22.17	58.62	36.50	0.27	2.37	0.80	1.00	1.66	52.40	223.64	221.74	18,213.1	12,194.	549.73	1,376.9	1,926.68
4	70.00	4.86	21.08	53.00	30.88	0.22	2.52	0.80	1.00	1.62	47.54	224.19	226.64	18,139.9	11,769.	495.16	1,346.7	1,841.90
3	50.00	4.41	22.98	60.53	31.73	0.22	2.53	0.80	1.00	1.56	53.40	222.79	221.83	18,634.8	11,788.	506.09	1,205.9	1,711.99
2	30.00	3.81	28.71	60.76	31.96	0.21	2.55	0.80	1.00	1.49	58.03	220.45	213.27	18,897.8	11,642.	479.71	1,017.9	1,497.63
1	10.00	3.81	31.13	59.05	30.25	0.20	2.61	0.80	1.00	1.33	58.79	130.66	117.76	14,924.4	7,829.7	496.19	586.09	1,082.28
														154,384.2	100,884.			15,865.40

LoadCase 1.2D + 1.0Di + 1.0Wi 90 deg

50.00 mph 90 deg with 0.75 in Radial Ice

Gust Response Factor : 0.85
Dead Load Factor : 1.20
Wind Load Factor : 1.00
Ice Dead Load Factor : 1.00
Wind Importance Factor : 1.00
Ice Importance Factor : 1.00

Sect Seq	Wind Height (ft)	qz (psf)	Total Flat Area (sqft)	Total Round Area (sqft)	Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Linear Area (sqft)	Ice Linear Area (sqft)	Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
10	188.0	6.44	7.86	30.08	29.93	0.33	2.22	0.85	1.00	1.79	29.56	52.99	22.69	5,224.7	3,606.4	359.34	369.41	728.76
9	170.0	6.26	9.98	37.08	34.68	0.32	2.24	0.85	1.00	1.77	36.57	144.86	148.13	11,520.4	8,384.5	435.48	1,034.2	1,469.68
8	150.0	6.04	12.83	50.06	35.03	0.37	2.12	0.85	1.00	1.75	42.17	200.76	200.59	15,141.8	10,705.	459.29	1,326.4	1,785.70
7	130.0	5.79	14.16	50.35	31.78	0.30	2.28	0.85	1.00	1.72	42.27	224.53	207.54	16,659.3	11,377.	475.36	1,443.2	1,918.55
6	110.0	5.52	16.35	52.79	34.21	0.27	2.37	0.85	1.00	1.69	45.11	224.54	215.64	17,028.0	11,587.	501.50	1,435.4	1,936.98
5	90.00	5.22	22.17	58.62	36.50	0.27	2.37	0.85	1.00	1.66	53.51	223.64	221.74	18,213.1	12,194.	561.36	1,376.9	1,938.31
4	70.00	4.86	21.08	53.00	30.88	0.22	2.52	0.85	1.00	1.62	48.59	224.19	226.64	18,139.9	11,769.	506.15	1,346.7	1,852.88
3	50.00	4.41	22.98	60.53	31.73	0.22	2.53	0.85	1.00	1.56	54.55	222.79	221.83	18,634.8	11,788.	516.98	1,205.9	1,722.88
2	30.00	3.81	28.71	60.76	31.96	0.21	2.55	0.85	1.00	1.49	59.46	220.45	213.27	18,897.8	11,642.	491.57	1,017.9	1,509.50
1	10.00	3.81	31.13	59.05	30.25	0.20	2.61	0.85	1.00	1.33	60.35	130.66	117.76	14,924.4	7,829.7	509.33	586.09	1,095.42
														154,384.2	100,884.			15,958.66

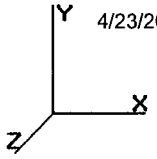
LoadCase 1.0D + 1.0W Service Normal

Serviceability - 60.00 Wind Normal

Gust Response Factor : 0.85
Dead Load Factor : 1.00
Wind Load Factor : 1.00
Wind Importance Factor : 1.00

Sect Seq	Wind Height (ft)	qz (psf)	Total Flat Area (sqft)	Total Round Area (sqft)	Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Linear Area (sqft)	Ice Linear Area (sqft)	Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
10	188.0	9.27	9.82	7.67	0.00	0.16	2.74	1.00	1.00	0.00	14.18	34.61	0.00	1,348.6	0.0	306.36	242.76	549.12
9	170.0	9.01	12.47	11.67	0.00	0.17	2.69	1.00	1.00	0.00	19.12	107.84	0.00	2,613.3	0.0	394.21	563.94	958.15
8	150.0	8.69	12.83	15.03	0.00	0.17	2.70	1.00	1.00	0.00	21.40	150.76	0.00	3,697.4	0.0	426.46	778.62	1,205.08
7	130.0	8.34	14.16	18.57	0.00	0.16	2.74	1.00	1.00	0.00	24.72	167.42	0.00	4,401.7	0.0	480.19	843.34	1,323.53
6	110.0	7.96	16.35	18.58	0.00	0.14	2.80	1.00	1.00	0.00	26.88	168.28	0.00	4,533.9	0.0	509.37	808.23	1,317.60
5	90.00	7.51	22.17	22.12	0.00	0.15	2.76	1.00	1.00	0.00	31.47	168.39	0.00	5,015.5	0.0	554.39	763.68	1,318.06
4	70.00	6.99	21.08	22.12	0.00	0.13	2.84	1.00	1.00	0.00	33.60	170.17	0.00	5,309.0	0.0	567.18	718.40	1,285.58
3	50.00	6.35	22.98	28.80	0.00	0.14	2.81	1.00	1.00	0.00	34.88	170.38	0.00	5,705.5	0.0	529.71	653.37	1,183.08
2	30.00	5.49	28.71	28.80	0.00	0.14	2.81	1.00	1.00	0.00	40.61	170.38	0.00	6,046.2	0.0	532.91	564.64	1,097.56
1	10.00	5.48	31.13	28.80	0.00	0.13	2.84	1.00	1.00	0.00	42.93	102.73	0.00	5,912.3	0.0	568.11	341.30	909.41
														44,583.4	0.0			11,147.16

Site Number: 302470
Location: Ansonia Wakelee, CT
Code: ANSI/TIA-222 Rev G
Struct Class : II
Exposure : B
Topo : 1



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Section Forces

LoadCase 1.0D + 1.0W Service 60 deg

Serviceability - 60.00 Wind 60 deg

Gust Response Factor : 0.85
Dead Load Factor : 1.00
Wind Load Factor : 1.00

Wind Importance Factor : 1.00

Sect Seq	Wind Height (ft)	qz (psf)	Total Flat Area (sqft)	Total Round Area (sqft)	Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Linear Area (sqft)	Ice Linear Area (sqft)	Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
10	188.0	9.27	9.82	7.67	0.00	0.16	2.74	0.80	1.00	0.00	12.22	34.61	0.00	1,348.6	0.0	263.92	242.76	506.68
9	170.0	9.01	12.47	11.67	0.00	0.17	2.69	0.80	1.00	0.00	16.63	107.84	0.00	2,613.3	0.0	342.79	563.94	906.73
8	150.0	8.69	12.83	15.03	0.00	0.17	2.70	0.80	1.00	0.00	18.83	150.76	0.00	3,697.4	0.0	375.30	778.62	1,153.92
7	130.0	8.34	14.16	18.57	0.00	0.16	2.74	0.80	1.00	0.00	21.89	167.42	0.00	4,401.7	0.0	425.18	843.34	1,268.52
6	110.0	7.96	16.35	18.58	0.00	0.14	2.80	0.80	1.00	0.00	23.61	168.28	0.00	4,533.9	0.0	447.41	808.23	1,255.64
5	90.00	7.51	22.17	22.12	0.00	0.15	2.76	0.80	1.00	0.00	27.04	168.39	0.00	5,015.5	0.0	476.27	763.68	1,239.95
4	70.00	6.99	21.08	22.12	0.00	0.13	2.84	0.80	1.00	0.00	29.39	170.17	0.00	5,309.0	0.0	496.00	718.40	1,214.40
3	50.00	6.35	22.98	28.80	0.00	0.14	2.81	0.80	1.00	0.00	30.29	170.38	0.00	5,705.5	0.0	459.91	653.37	1,113.28
2	30.00	5.49	28.71	28.80	0.00	0.14	2.81	0.80	1.00	0.00	34.87	170.38	0.00	6,046.2	0.0	457.55	564.64	1,022.20
1	10.00	5.48	31.13	28.80	0.00	0.13	2.84	0.80	1.00	0.00	36.70	102.73	0.00	5,912.3	0.0	485.72	341.30	827.01
														44,583.4	0.0			10,508.33

LoadCase 1.0D + 1.0W Service 90 deg

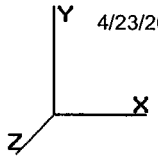
105.00 Serviceability - 60.00 Wind 90 deg

Gust Response Factor : 0.85
Dead Load Factor : 1.00
Wind Load Factor : 1.00

Wind Importance Factor : 1.00

Sect Seq	Wind Height (ft)	qz (psf)	Total Flat Area (sqft)	Total Round Area (sqft)	Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Ice Thick (in)	Eff Area (sqft)	Linear Area (sqft)	Ice Linear Area (sqft)	Total Weight (lb)	Weight Ice (lb)	Struct Force (lb)	Linear Force (lb)	Total Force (lb)
10	188.0	28.39	9.82	7.67	0.00	0.16	2.74	0.85	1.00	0.00	12.71	34.61	0.00	1,348.6	0.0	840.73	743.46	1,584.19
9	170.0	27.59	12.47	11.67	0.00	0.17	2.69	0.85	1.00	0.00	15.62	107.84	0.00	2,613.3	0.0	986.09	1,748.5	2,734.68
8	150.0	26.62	12.83	15.03	0.00	0.17	2.70	0.85	1.00	0.00	17.36	150.76	0.00	3,697.4	0.0	1,059.62	2,446.6	3,506.22
7	130.0	25.55	14.16	18.57	0.00	0.16	2.74	0.85	1.00	0.00	19.90	167.42	0.00	4,401.7	0.0	1,183.78	2,582.7	3,766.51
6	110.0	24.36	16.35	18.58	0.00	0.14	2.80	0.85	1.00	0.00	21.59	168.28	0.00	4,533.9	0.0	1,253.41	2,475.2	3,728.62
5	90.00	23.01	22.17	22.12	0.00	0.15	2.76	0.85	1.00	0.00	28.14	168.39	0.00	5,015.5	0.0	1,518.39	2,338.7	3,857.15
4	70.00	21.41	21.08	22.12	0.00	0.13	2.84	0.85	1.00	0.00	26.98	170.17	0.00	5,309.0	0.0	1,394.72	2,200.1	3,594.83
3	50.00	19.45	22.98	28.80	0.00	0.14	2.81	0.85	1.00	0.00	31.44	170.38	0.00	5,705.5	0.0	1,461.91	2,000.9	3,462.85
2	30.00	16.81	28.71	28.80	0.00	0.14	2.81	0.85	1.00	0.00	36.30	170.38	0.00	6,046.2	0.0	1,458.95	1,729.2	3,188.17
1	10.00	16.79	31.13	28.80	0.00	0.13	2.84	0.85	1.00	0.00	38.26	102.73	0.00	5,912.3	0.0	1,550.59	1,045.2	2,595.81
														44,583.4	0.0			32,019.04

Site Number: 302470
Location: Ansonia Wakelee, CT
Code: ANSI/TIA-222 Rev G
Struct Class : II
Exposure : B
Topo : 1



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Tower Loading

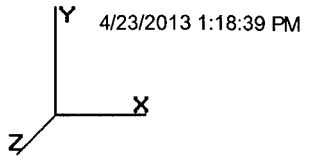
Discrete Appurtenance Properties

Attach Elev (ft)	Description	Qty	No Ice Weight (lb)	No Ice CaAa (sf)	Ice Weight (lb)	Ice CaAa (sf)	Len (ft)	Width (in)	Depth (in)	Ka	Orientation Factor	Vert Ecc (ft)
194.0	Argus LLPX310R	3	28.60	4.290	38.81	5.822	3.500	11.80	4.500	0.80	0.73	0.000
194.0	DragonWave A-ANT-18G-2-C	2	27.10	5.680	127.12	7.708	2.170	0.000	0.000	0.80	1.00	0.000
194.0	NextNet BTS-2500	3	35.00	1.820	47.50	2.470	1.583	11.30	5.100	0.80	0.50	0.000
194.0	DragonWave Horizon	2	10.60	0.360	14.38	0.488	0.392	9.300	9.300	0.80	0.50	0.000
194.0	KMW TTA (HB-X-WM-17-65-	3	15.90	0.560	21.58	0.760	1.325	7.300	3.700	0.80	0.50	0.000
194.0	Round Sector Frames	3	300.00	14.400	677.01	31.365	0.000	0.000	0.000	0.75	0.75	0.000
194.0	72" x 12" Panels	3	40.00	8.130	54.28	11.033	6.000	12.00	6.000	0.80	0.67	0.000
194.0	48" x 12" Panels	9	30.00	5.070	40.71	6.880	4.000	12.00	6.000	0.80	0.67	0.000
183.0	Powerwave P40-16-XLPP-	2	64.00	9.070	279.33	10.346	4.500	20.00	6.500	0.80	0.69	2.000
183.0	Andrew DB980H90E-M	6	8.50	3.900	105.35	4.974	5.000	6.300	3.000	0.80	0.79	2.000
183.0	RFS APXVSPP18-C-A20	1	57.00	8.020	262.15	9.346	6.000	11.80	7.000	0.80	1.00	2.000
183.0	Alcatel-Lucent 800 MHz RRH	3	53.00	2.130	142.87	2.761	1.640	13.00	10.80	0.80	0.67	2.000
183.0	Alcatel-Lucent 1900 MHz	3	60.00	2.320	157.84	3.010	2.090	11.10	10.70	0.80	0.67	2.000
183.0	Round Sector Frames	3	300.00	14.400	621.31	24.682	0.000	0.000	0.000	0.75	0.75	0.000
179.0	Antel BXA-171063-8CF-EDIN-X	3	10.50	2.940	95.19	3.819	4.040	6.100	4.100	0.80	0.87	3.000
179.0	Antel BXA-80080/4CF	3	14.30	4.800	143.95	5.773	4.010	11.20	5.900	0.80	0.80	3.000
179.0	RFS FD9R6004/2C-3L	6	3.10	0.310	16.54	0.586	0.483	6.500	1.500	0.80	0.50	3.000
179.0	Flat Light Sector Frames	3	400.00	17.900	705.37	33.210	0.000	0.000	0.000	0.75	0.75	0.000
179.0	Powerwave P65-16-XL-2	3	33.00	8.130	217.53	9.447	6.000	12.00	5.000	0.80	0.75	3.000
179.0	Rymsa MGD3-800TX	3	15.40	3.340	20.84	4.521	4.530	6.300	3.500	0.80	0.82	3.000
167.0	72" x 12" Panel	9	45.00	8.130	239.56	9.447	6.000	12.00	6.000	0.80	0.67	0.000
167.0	36" x 8" x 6" Panel	3	25.00	2.580	109.90	3.323	3.000	8.000	6.000	0.80	0.67	0.000
167.0	Ericsson RRUS 11	6	55.00	2.520	136.67	3.174	1.480	17.00	7.200	0.80	0.67	0.000
167.0	Raycap DC6-48-60-18-8F	1	31.80	2.200	126.19	2.862	2.000	11.00	11.00	0.80	1.00	0.000
167.0	Round Sector Frames	3	300.00	14.400	618.10	24.579	0.000	0.000	0.000	0.75	0.75	0.000
167.0	14" x 9" TTA	9	10.00	1.050	13.53	1.198	1.167	9.000	6.000	0.80	0.50	0.000
157.0	Kathrein 742 213	3	22.00	5.140	134.99	6.407	6.370	6.100	2.700	1.00	0.78	0.000
148.0	Ericsson KRY 112 144/1	3	11.00	0.350	27.39	0.635	0.580	6.100	2.700	0.80	0.50	0.000
148.0	Ericsson AIR 21, 1.3M, B4A	3	81.50	6.090	250.49	7.193	4.670	12.10	7.900	0.80	0.85	0.000
148.0	Ericsson AIR 21, 1.3M, B2A	3	83.00	6.050	252.04	7.148	4.670	12.00	8.000	0.80	0.86	0.000
148.0	Round Sector Frame	3	300.00	14.400	668.59	30.986	0.000	0.000	0.000	0.75	0.75	0.000
125.0	Motorola PTP54600	2	12.10	1.750	16.26	2.352	1.210	14.50	3.800	1.00	0.73	0.000
104.0	Side Arms	2	200.00	2.000	267.68	2.271	0.000	0.000	0.000	1.00	0.80	0.000
104.0	2" x 8" GPS	2	0.26	0.140	0.40	0.466	0.670	2.000	2.000	0.90	1.00	0.000
82.00	Side Arm	1	200.00	2.000	266.33	2.265	0.000	0.000	0.000	1.00	1.00	0.000
82.00	10' Omni	1	25.00	3.000	33.29	3.995	10.00	3.000	3.000	1.00	1.00	5.000
76.00	Side Arm	1	200.00	2.000	264.69	2.259	0.000	0.000	0.000	1.00	1.00	0.000
76.00	PCTEL GPS-TMG-HR-26N	1	0.60	0.080	9.99	0.313	0.417	3.200	3.200	1.00	1.00	0.000
	Totals	123	8691.72		21585.27					Number of Appurtenances : 38		

Linear Appurtenance Properties

Elev From (ft)	Elev To (ft)	Description	Qty	Width (in)	Weight (lb/ft)	Pct In Block	Spread On Faces	Bundling Arrangement	Cluster Dia (in)	Out Of Zone	Spacing (in)	Orientation Factor	Ka Override
5.00	194.0	Climbing Ladder	1	2.00	6.90	0	Lin App	Individual	0.00	N	1.00	1.00	0.00
8.00	194.0	1 1/4" Coax	10	1.55	0.63	70	3	Block	0.00	N	0.00	1.00	0.00
8.00	194.0	1 5/8" Coax	6	1.98	0.82	50	3	Block	0.00	N	0.00	1.00	0.00

Site Number: 302470
Location: Ansonia Wakelee, CT
Code: ANSI/TIA-222 Rev G
Struct Class : II
Exposure : B
Topo : 1



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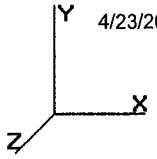
Tower Loading

8.00	194.0	1/2" Coax	2	0.63	0.15	0	2	Individual	0.00	N	1.00	1.00	0.00
8.00	194.0	3" Conduit	2	3.00	7.58	0	Lin App	Individual	0.00	N	1.00	1.00	0.00
8.00	194.0	5/16" Coax	6	0.00	0.04	50	2	Block	0.00	N	0.00	0.00	0.01
8.00	194.0	Wave Guide	2	1.00	5.00	50	3	Block	0.00	N	0.00	1.00	0.00
8.00	183.0	1 1/4" Hybriflex	3	0.00	1.00	0	Lin App	Individual	0.00	N	0.00	1.00	0.00
8.00	183.0	7/8" Coax	6	1.09	0.33	0	2	Cluster	9.84	N	0.00	1.00	0.00
8.00	183.0	Wave Guide	1	1.00	5.00	0	2	Individual	0.00	N	0.00	1.00	0.00
8.00	179.0	1 5/8" Coax	6	1.98	0.82	0	3	Individual	0.00	N	0.00	1.00	0.01
8.00	179.0	1 5/8" Coax	6	1.98	0.82	0	Lin App	Individual	0.00	N	1.00	1.00	0.00
8.00	167.0	0.39" Cable	1	0.39	0.07	0	Lin App	Individual	0.00	N	0.00	1.00	0.00
8.00	167.0	0.78" 8 AWG 6	2	0.78	0.59	0	Lin App	Individual	0.00	N	0.00	1.00	0.00
8.00	167.0	1 5/8" Coax	12	1.98	0.82	0	1	Cluster	12.25	N	0.00	1.00	0.00
8.00	167.0	3" Conduit	1	3.50	7.58	0	Lin App	Individual	0.00	N	1.00	1.00	0.00
8.00	167.0	Wave Guide	1	1.00	5.00	0	1	Individual	0.00	N	0.00	1.00	0.00
8.00	157.0	1 5/8" Coax	6	1.98	0.82	0	1	Cluster	7.81	N	0.00	1.00	0.00
8.00	157.0	Waveguide	1	0.00	6.00	0	Lin App	Individual	0.00	N	1.00	1.00	0.00
8.00	148.0	1 1/4" Hybriflex	1	1.54	1.00	0	Lin App	Individual	0.00	N	1.00	1.00	0.01
8.00	148.0	1 5/8" Coax	12	1.98	0.82	50	3	Block	0.00	N	0.00	1.00	0.00
8.00	148.0	Wave Guide	1	1.00	5.00	0	3	Individual	0.00	N	0.00	1.00	0.00
8.00	125.0	1/4" Coax	2	0.34	0.06	0	1	Individual	0.00	N	0.00	1.00	0.00
8.00	104.0	1/2" Coax	2	0.00	0.15	0	3	Individual	0.00	N	0.00	1.00	0.00
8.00	82.00	1/2" Coax	1	0.63	0.15	0	1	Individual	0.00	N	0.00	1.00	0.00
8.00	76.00	1/2" Coax	1	0.63	0.15	0	2	Individual	0.00	N	0.00	1.00	0.00

Site Number: 302470
Location: Ansonia Wakelee, CT
Code: ANSI/TIA-222 Rev G
Struct Class : II
Exposure : B
Topo : 1



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Force/Stress Summary

Section: 1 15N25 Bot Elev (ft): 0.00 Height (ft): 20.000

Max Compression Member	Force (kip)	Load Case	Len (ft)	Bracing % X	Y	Z	KL/R	F'y (ksi)	phi Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Use %	Controls
LEG PX - 8" DIA PIPE	-397.65	1.2D + 1.6W	9.77	100	100	100	40.7	50.0	510.32	0	0	0.00	0.00	77	Member X
HORIZ	0.00		0.000	0	0	0	0.0	0.0	0.00	0	0	0.00	0.00	0	
DIAG SAE - 4X4X0.25	-12.38	1.2D + 1.6W 90	23.62	50	50	50	178.3	43.5	13.79	1	1	17.89	23.40	89	Member Z

Max Tension Member	Force (kip)	Load Case	Fy (ksi)	Fu (ksi)	phit Pn (kip)	Num Bolts	Num Holes	Shear Cap (kip)	Bear Cap (kip)	Use %	Controls
LEG PX - 8" DIA PIPE	355.71	0.9D + 1.6W 60	50	65	576.00	0	0	0.00	0.00	61	Member
HORIZ	0.00		0	0	0.00	0	0	0.00	0.00	0	
DIAG SAE - 4X4X0.25	12.15	1.2D + 1.6W 90	50	65	62.93	1	1	0.00	23.40	19	Member

Max Splice Forces	Force (kip)	Load Case	Capacity (kip)	Use %	Num Bolts	Bolt Type
Top Tension	324.33	0.9D + 1.6W 60	0.00	0	0	
Top Compression	371.95	1.2D + 1.6W	0.00	0		
Bot Tension	355.70	0.9D + 1.6W 60	605.70	59	10	1" A354-BC
Bot Compression	407.72	1.2D + 1.6W	0.00	0		

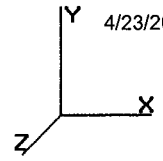
Section: 2 14N46 Bot Elev (ft): 20.00 Height (ft): 20.000

Max Compression Member	Force (kip)	Load Case	Len (ft)	Bracing % X	Y	Z	KL/R	F'y (ksi)	phi Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Use %	Controls
LEG PSP - ROHN 8 EHS	-360.43	1.2D + 1.6W	9.77	100	100	100	40.1	50.0	388.80	0	0	0.00	0.00	92	Member X
HORIZ	0.00		0.000	0	0	0	0.0	0.0	0.00	0	0	0.00	0.00	0	
DIAG SAE - 4X4X0.25	-11.95	1.2D + 1.6W 90	22.69	50	50	50	171.3	43.5	14.94	1	1	17.89	23.40	79	Member Z

Max Tension Member	Force (kip)	Load Case	Fy (ksi)	Fu (ksi)	phit Pn (kip)	Num Bolts	Num Holes	Shear Cap (kip)	Bear Cap (kip)	Use %	Controls
LEG PSP - ROHN 8 EHS	324.67	0.9D + 1.6W 60	50	65	437.40	0	0	0.00	0.00	74	Member
HORIZ	0.00		0	0	0.00	0	0	0.00	0.00	0	
DIAG SAE - 4X4X0.25	11.61	1.2D + 1.6W 90	50	65	62.93	1	1	0.00	23.40	18	Member

Max Splice Forces	Force (kip)	Load Case	Capacity (kip)	Use %	Num Bolts	Bolt Type
Top Tension	290.47	0.9D + 1.6W 60	0.00	0	0	
Top Compression	332.23	1.2D + 1.6W	0.00	0		
Bot Tension	324.33	0.9D + 1.6W 60	436.16	74	8	1 A325
Bot Compression	371.95	1.2D + 1.6W	0.00	0		

Site Number: 302470
Location: Ansonia Wakelee, CT
Code: ANSI/TIA-222 Rev G
Struct Class : II
Exposure : B
Topo : 1



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Force/Stress Summary

Section: 3 13N88 Bot Elev (ft): 40.00 Height (ft): 20.000

Max Compression Member	Force (kip)	Load Case	Len (ft)	Bracing % X	Y	Z	KL/R	F'y (ksi)	phi Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Use %	Controls
LEG PSP - ROHN 8 EHS	-321.22	1.2D + 1.6W	9.77	100	100	100	40.1	50.0	388.78	0	0	0.00	0.00	82	Member X
HORIZ	0.00		0.000	0	0	0	0.0	0.0	0.00	0	0	0.00	0.00	0	
DIAG SAE - 3.5X3.5X0.25	-10.79	1.2D + 1.6W 90	20.87	50	50	50	180.5	49.5	11.72	1	1	17.89	23.40	92	Member Z

Max Tension Member	Force (kip)	Load Case	Fy (ksi)	Fu (ksi)	phit Pn (kip)	Num Bolts	Num Holes	Shear Cap (kip)	Bear Cap (kip)	Use %	Controls
LEG PSP - ROHN 8 EHS	290.95	0.9D + 1.6W 60	50	65	437.40	0	0	0.00	0.00	66	Member
HORIZ	0.00		0	0	0.00	0	0	0.00	0.00	0	
DIAG SAE - 3.5X3.5X0.25	10.54	1.2D + 1.6W 90	50	65	53.79	1	1	0.00	23.40	19	Member

Max Splice Forces	Force (kip)	Load Case	Capacity (kip)	Use %	Num Bolts	Bolt Type
Top Tension	257.07	0.9D + 1.6W 60	0.00	0	0	
Top Compression	293.09	1.2D + 1.6W	0.00	0		
Bot Tension	290.47	0.9D + 1.6W 60	436.16	67	8	1 A325
Bot Compression	332.23	1.2D + 1.6W	0.00	0		

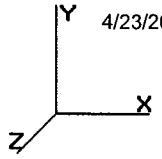
Section: 4 12N50 Bot Elev (ft): 60.00 Height (ft): 20.000

Max Compression Member	Force (kip)	Load Case	Len (ft)	Bracing % X	Y	Z	KL/R	F'y (ksi)	phi Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Use %	Controls
LEG PX - 6" DIA PIPE	-281.51	1.2D + 1.6W	9.77	100	100	100	53.4	50.0	306.88	0	0	0.00	0.00	91	Member X
HORIZ	0.00		0.000	0	0	0	0.0	0.0	0.00	0	0	0.00	0.00	0	
DIAG SAE - 3.5X3.5X0.25	-10.54	1.2D + 1.6W 90	19.04	50	50	50	164.6	49.5	14.08	1	1	17.89	23.40	74	Member Z

Max Tension Member	Force (kip)	Load Case	Fy (ksi)	Fu (ksi)	phit Pn (kip)	Num Bolts	Num Holes	Shear Cap (kip)	Bear Cap (kip)	Use %	Controls
LEG PX - 6" DIA PIPE	257.43	0.9D + 1.6W 60	50	65	378.00	0	0	0.00	0.00	68	Member
HORIZ	0.00		0	0	0.00	0	0	0.00	0.00	0	
DIAG SAE - 3.5X3.5X0.25	10.28	1.2D + 1.6W 90	50	65	53.79	1	1	0.00	23.40	19	Member

Max Splice Forces	Force (kip)	Load Case	Capacity (kip)	Use %	Num Bolts	Bolt Type
Top Tension	220.79	0.9D + 1.6W 60	0.00	0	0	
Top Compression	251.17	1.2D + 1.6W	0.00	0		
Bot Tension	257.07	0.9D + 1.6W 60	436.16	59	8	1 A325
Bot Compression	293.09	1.2D + 1.6W	0.00	0		

Site Number: 302470
Location: Ansonia Wakelee, CT
Code: ANSI/TIA-222 Rev G
Struct Class : II
Exposure : B
Topo : 1



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Force/Stress Summary

Section: 5 11N223 Bot Elev (ft): 80.00 Height (ft): 20.000

Max Compression Member	Force (kip)	Load Case	Len (ft)	Bracing % X	Y	Z	KL/R	F'y (ksi)	phi Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Use %	Controls
LEG PSP - ROHN 6 EHS	-242.24	1.2D + 1.6W	6.51	100	100	100	35.1	50.0	275.92	0	0	0.00	0.00	87	Member X
HORIZ	0.00		0.000	0	0	0	0.0	0.0	0.00	0	0	0.00	0.00	0	
DIAG SAE - 3X3X0.25	-9.59	1.2D + 1.6W 90	15.90	50	50	50	161.2	50.0	12.52	1	1	17.89	23.40	76	Member Z

Max Tension Member	Force (kip)	Load Case	Fy (ksi)	Fu (ksi)	phit Pn (kip)	Num Bolts	Num Holes	Shear Cap (kip)	Bear Cap (kip)	Use %	Controls
LEG PSP - ROHN 6 EHS	221.12	0.9D + 1.6W 60	50	65	301.95	0	0	0.00	0.00	73	Member
HORIZ	0.00		0	0	0.00	0	0	0.00	0.00	0	
DIAG SAE - 3X3X0.25	9.38	1.2D + 1.6W 90	50	65	44.65	1	1	0.00	23.40	21	Member

Max Splice Forces	Force (kip)	Load Case	Capacity (kip)	Use %	Num Bolts	Bolt Type
Top Tension	181.92	0.9D + 1.6W 60	0.00	0	0	
Top Compression	206.77	1.2D + 1.6W	0.00	0		
Bot Tension	220.79	0.9D + 1.6W 60	327.12	67	6	1 A325
Bot Compression	251.17	1.2D + 1.6W	0.00	0		

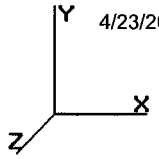
Section: 6 10N152 Bot Elev (ft): 100.0 Height (ft): 20.000

Max Compression Member	Force (kip)	Load Case	Len (ft)	Bracing % X	Y	Z	KL/R	F'y (ksi)	phi Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Use %	Controls
LEG PX - 5" DIA PIPE	-198.61	1.2D + 1.6W	6.51	100	100	100	42.5	50.0	240.98	0	0	0.00	0.00	82	Member X
HORIZ	0.00		0.000	0	0	0	0.0	0.0	0.00	0	0	0.00	0.00	0	
DIAG SAE - 2.5X2.5X0.25	-8.15	1.2D + 1.6W 90	14.13	50	50	50	172.8	36.0	9.01	1	1	12.43	17.40	90	Member Z

Max Tension Member	Force (kip)	Load Case	Fy (ksi)	Fu (ksi)	phit Pn (kip)	Num Bolts	Num Holes	Shear Cap (kip)	Bear Cap (kip)	Use %	Controls
LEG PX - 5" DIA PIPE	182.24	0.9D + 1.6W 60	50	65	274.95	0	0	0.00	0.00	66	Member
HORIZ	0.00		0	0	0.00	0	0	0.00	0.00	0	
DIAG SAE - 2.5X2.5X0.25	8.18	1.2D + 1.6W 90	36	58	32.71	1	1	0.00	17.40	25	Member

Max Splice Forces	Force (kip)	Load Case	Capacity (kip)	Use %	Num Bolts	Bolt Type
Top Tension	143.82	0.9D + 1.6W 60	0.00	0	0	
Top Compression	163.83	1.2D + 1.6W	0.00	0		
Bot Tension	181.92	0.9D + 1.6W 60	327.12	56	6	1 A325
Bot Compression	206.77	1.2D + 1.6W	0.00	0		

Site Number: 302470
Location: Ansonia Wakelee, CT
Code: ANSI/TIA-222 Rev G
Struct Class : II
Exposure : B
Topo : 1



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Force/Stress Summary

Section: 7 9N216 Bot Elev (ft): 120.0 Height (ft): 20.000

Max Compression Member	Force (kip)	Load Case	Len (ft)	Bracing % X	Y	Z	KL/R	F'y (ksi)	phi Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Use %	Controls
LEG PX - 5" DIA PIPE	-154.97	1.2D + 1.6W	6.51	100	100	100	42.5	50.0	240.99	0	0	0.00	0.00	64	Member X
HORIZ	0.00		0.000	0	0	0	0.0	0.0	0.00	0	0	0.00	0.00	0	
DIAG SAE - 2.5X2.5X0.25	-7.84	1.2D + 1.6W 90	12.33	50	50	50	150.7	36.0	11.83	1	1	12.43	17.40	66	Member Z

Max Tension Member	Force (kip)	Load Case	Fy (ksi)	Fu (ksi)	phit Pn (kip)	Num Bolts	Num Holes	Shear Cap (kip)	Bear Cap (kip)	Use %	Controls
LEG PX - 5" DIA PIPE	144.04	0.9D + 1.6W 60	50	65	274.95	0	0	0.00	0.00	52	Member
HORIZ	0.00		0	0	0.00	0	0	0.00	0.00	0	
DIAG SAE - 2.5X2.5X0.25	7.98	1.2D + 1.6W 90	36	58	32.71	1	1	0.00	17.40	24	Member

Max Splice Forces	Force (kip)	Load Case	Capacity (kip)	Use %	Num Bolts	Bolt Type
Top Tension	101.23	0.9D + 1.6W 60	0.00	0	0	
Top Compression	116.91	1.2D + 1.6W	0.00	0		
Bot Tension	143.82	0.9D + 1.6W 60	218.08	66	4	1 A325
Bot Compression	163.83	1.2D + 1.6W	0.00	0		

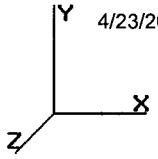
Section: 8 A780252 Bot Elev (ft): 140.0 Height (ft): 20.000

Max Compression Member	Force (kip)	Load Case	Len (ft)	Bracing % X	Y	Z	KL/R	F'y (ksi)	phi Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Use %	Controls
LEG PX - 4" DIA PIPE	-110.13	1.2D + 1.6W	4.88	100	100	100	39.6	50.0	176.95	0	0	0.00	0.00	62	Member X
HORIZ SAE - 2X2X0.125	-0.35	1.2D + 1.6W 60	6.760	100	100	100	203.8	36.0	2.61	1	1	12.43	8.70	13	Member Z
DIAG SAE - 2X2X0.25	-6.58	1.2D + 1.6W 90	9.847	50	50	50	151.1	36.0	9.30	1	1	12.43	17.40	70	Member Z

Max Tension Member	Force (kip)	Load Case	Fy (ksi)	Fu (ksi)	phit Pn (kip)	Num Bolts	Num Holes	Shear Cap (kip)	Bear Cap (kip)	Use %	Controls
LEG PX - 4" DIA PIPE	101.49	0.9D + 1.6W 60	50	65	198.45	0	0	0.00	0.00	51	Member
HORIZ SAE - 2X2X0.125	0.23	1.2D + 1.6W	36	58	12.60	1	1	0.00	8.70	1	Member
DIAG SAE - 2X2X0.25	6.56	1.2D + 1.6W 90	36	58	24.55	1	1	0.00	17.40	26	Member

Max Splice Forces	Force (kip)	Load Case	Capacity (kip)	Use %	Num Bolts	Bolt Type
Top Tension	57.50	0.9D + 1.6W 60	0.00	0	0	
Top Compression	68.46	1.2D + 1.6W	0.00	0		
Bot Tension	101.23	0.9D + 1.6W 60	218.08	46	4	1 A325
Bot Compression	116.91	1.2D + 1.6W	0.00	0		

Site Number: 302470
Location: Ansonia Wakelee, CT
Code: ANSI/TIA-222 Rev G
Struct Class : II
Exposure : B
Topo : 1



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Force/Stress Summary

Section: 9 A780178 Bot Elev (ft): 160.0 Height (ft): 20.000

Max Compression Member	Force (kip)	Load Case	Len (ft)	Bracing % X	Y	Z	KL/R	F'y (ksi)	phi Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Use %	Controls
LEG PX - 3" DIA PIPE	-61.12	1.2D + 1.6W	3.90	100	100	100	41.1	50.0	120.14	0	0	0.00	0.00	50	Member X
HORIZ	0.00		0.000	0	0	0	0.0	0.0	0.00	0	0	0.00	0.00	0	
DIAG SAE - 2X2X0.1875	-7.15	1.2D + 1.6W 90	7.798	50	50	50	119.1	36.0	10.98	2	1	24.86	26.10	65	Member Z

Max Tension Member	Force (kip)	Load Case	Fy (ksi)	Fu (ksi)	phit Pn (kip)	Num Bolts	Num Holes	Shear Cap (kip)	Bear Cap (kip)	Use %	Controls
LEG PX - 3" DIA PIPE	57.22	0.9D + 1.6W 60	50	65	135.90	0	0	0.00	0.00	42	Member
HORIZ	0.00		0	0	0.00	0	0	0.00	0.00	0	
DIAG SAE - 2X2X0.1875	7.05	1.2D + 1.6W 90	36	58	18.74	2	1	0.00	26.10	37	Member

Max Splice Forces	Force (kip)	Load Case	Capacity (kip)	Use %	Num Bolts	Bolt Type
Top Tension	10.07	0.9D + 1.6W 60	0.00	0	0	
Top Compression	14.76	1.2D + 1.6W	0.00	0		
Bot Tension	57.50	0.9D + 1.6W 60	166.24	35	4	7/8 A325
Bot Compression	68.46	1.2D + 1.6W	0.00	0		

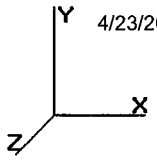
Section: 10 A780178 Bot Elev (ft): 180.0 Height (ft): 16.000

Max Compression Member	Force (kip)	Load Case	Len (ft)	Bracing % X	Y	Z	KL/R	F'y (ksi)	phi Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Use %	Controls
LEG PST - 2-1/2" DIA PIP	-14.61	1.2D + 1.6W	0.25	100	100	100	3.2	50.0	76.62	0	0	0.00	0.00	19	Member X
HORIZ SAE - 2X2X0.125	-0.35	1.2D + 1.6W 90	6.646	100	100	100	200.4	36.0	2.70	1	1	12.43	8.70	13	Member Z
DIAG SAE - 1.75X1.75X0.18	-3.31	1.2D + 1.6W	7.757	50	50	50	135.7	36.0	7.62	1	1	12.43	13.05	43	Member Z

Max Tension Member	Force (kip)	Load Case	Fy (ksi)	Fu (ksi)	phit Pn (kip)	Num Bolts	Num Holes	Shear Cap (kip)	Bear Cap (kip)	Use %	Controls
LEG PST - 2-1/2" DIA PIP	10.18	0.9D + 1.6W 60	50	65	76.68	0	0	0.00	0.00	13	Member
HORIZ SAE - 2X2X0.125	0.37	1.2D + 1.6W 60	36	58	12.60	1	1	0.00	8.70	2	Member
DIAG SAE - 1.75X1.75X0.18	2.90	1.2D + 1.6W 60	36	58	15.67	1	1	0.00	13.05	18	Member

Max Splice Forces	Force (kip)	Load Case	Capacity (kip)	Use %	Num Bolts	Bolt Type
Top Tension	0.00		0.00	0	0	
Top Compression	0.35	1.2D + 1.0Di +	0.00	0		
Bot Tension	10.07	0.9D + 1.6W 60	120.40	8	4	3/4 A325
Bot Compression	14.76	1.2D + 1.6W	0.00	0		

Site Number: 302470
Location: Ansonia Wakelee, CT
Code: ANSI/TIA-222 Rev G
Struct Class : II
Exposure : B
Topo : 1



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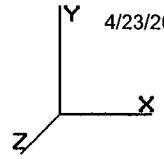
Support Forces Summary

Load Case	Node	FX (kip)	FY (kip)	FZ (kip)	(-) = Uplift (+) = Down
1.0D + 1.0W Service 90 deg	1b	-17.97	-184.32	-8.66	
	1a	-19.79	219.83	9.77	
	1	-2.92	17.76	-1.11	
1.0D + 1.0W Service 60 deg	1b	-5.90	-58.98	-3.40	
	1a	-4.83	56.07	1.84	
	1	-0.82	56.19	-5.10	
1.0D + 1.0W Service Normal	1b	-2.17	-22.01	-2.26	
	1a	2.17	-22.01	-2.26	
	1	0.00	97.29	-9.41	
1.2D + 1.0Di + 1.0Wi 90 deg	1b	-8.48	-33.26	-4.11	
	1a	-9.02	151.73	4.43	
	1	-1.36	59.24	-0.32	
1.2D + 1.0Di + 1.0Wi 60 deg	1b	-9.40	-47.20	-5.43	
	1a	-5.69	112.40	1.94	
	1	-1.16	112.51	-5.90	
1.2D + 1.0Di + 1.0Wi Normal	1b	-4.04	5.19	-3.73	
	1a	4.04	5.19	-3.73	
	1	0.00	167.33	-11.68	
0.9D + 1.6W 90 deg	1b	-29.50	-307.17	-14.26	
	1a	-30.90	339.13	15.21	
	1	-4.68	15.99	-0.96	
0.9D + 1.6W 60 deg	1b	-32.44	-353.79	-18.72	
	1a	-19.32	200.58	6.63	
	1	-3.92	201.16	-20.06	
0.9D + 1.6W Normal	1b	-14.40	-176.33	-13.29	
	1a	14.40	-176.33	-13.29	
	1	0.00	400.60	-40.85	
1.2D + 1.6W 90 deg	1b	-29.21	-302.33	-14.10	
	1a	-31.20	344.94	15.39	
	1	-4.67	21.32	-1.30	
1.2D + 1.6W 60 deg	1b	-32.15	-349.02	-18.56	
	1a	-19.61	206.18	6.81	
	1	-3.91	206.77	-20.40	
1.2D + 1.6W Normal	1b	-14.12	-171.29	-13.11	
	1a	14.12	-171.29	-13.11	
	1	0.00	406.50	-41.20	

Max Uplift:	353.79 (kip)	Moment:	7,672.50 (ft-kip)	1.2D + 1.6W Normal
Max Down:	406.50 (kip)	Total Down:	63.93 (kip)	
Max Shear:	41.20 (kip)	Total Shear:	67.42 (kip)	

Site Number:	**302470**
Location:	**Ansonia Wakelee, CT**
Code:	**ANSI/TIA-222 Rev G**
Struct Class :	**II**
Exposure :	**B**
Topo :	**1**



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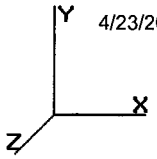
Site Number: 302470
Location: Ansonia Wakelee, CT
Code: ANSI/TIA-222 Rev G
Struct Class : II
Exposure : B
Topo : 1



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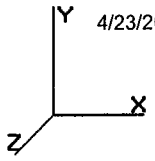
Deflections and Rotations

Load Case	Elevation (ft)	Deflection (ft)	Twist (deg)	Sway (deg)
Serviceability - 60.00 Wind 60 deg	79.75	0.0657	0.0051	0.1061
	80.25	0.0667	0.0051	0.1064
	106.75	0.1205	0.0068	0.1350
	126.75	0.1738	0.0082	0.1648
	150.00	0.2488	0.0099	0.2053
	154.88	0.2664	0.0101	0.2074
	168.05	0.3179	0.0124	0.2347
	179.75	0.3665	0.0143	0.2582
	184.19	0.3853	0.0149	0.2286
	192.06	0.4185	0.0149	0.2413
Serviceability - 60.00 Wind Normal	79.75	0.0682	0.0037	0.1083
	80.25	0.0691	0.0037	0.1091
	106.75	0.1248	0.0046	0.1394
	126.75	0.1797	0.0051	0.1699
	150.00	0.2570	0.0053	0.2121
	154.88	0.2752	0.0051	0.2145
	168.05	0.3282	0.0049	0.2431
	179.75	0.3786	0.0040	0.2940
	184.19	0.3984	0.0037	0.2637
	192.06	0.4329	0.0036	0.2521
105.00 Serviceability - 60.00 Wind 90 deg	79.75	0.1997	0.0093	0.3166
	80.25	0.2025	0.0094	0.3176
	106.75	0.3663	0.0120	0.4109
	126.75	0.5283	0.0142	0.5012
	150.00	0.7566	0.0166	0.6231
	154.88	0.8100	0.0170	0.6344
	168.05	0.9667	0.0198	0.7150
	179.75	1.1144	0.0215	0.7493
	184.19	1.1715	0.0223	0.6678
	192.06	1.2724	0.0224	0.7342
105.00 mph 60 deg with No Ice (Reduced DL)	79.75	0.3172	0.0398	0.5070
	80.25	0.3217	0.0400	0.5092
	106.75	0.5818	0.0594	0.6529
	126.75	0.8391	0.0783	0.7980
	150.00	1.2017	0.1076	0.9938
	154.88	1.2870	0.1148	1.0077
	168.05	1.5358	0.1599	1.1377
	179.75	1.7711	0.2073	1.2544
	184.19	1.8623	0.2243	1.1084
	192.06	2.0230	0.2257	1.1699
105.00 mph 60 deg with No Ice	79.75	0.3177	0.0399	0.5082
	80.25	0.3222	0.0401	0.5104
	106.75	0.5828	0.0596	0.6544
	126.75	0.8408	0.0785	0.7999
	150.00	1.2042	0.1079	0.9963
	154.88	1.2898	0.1151	1.0102
	168.05	1.5393	0.1603	1.1406
	179.75	1.7751	0.2079	1.2579



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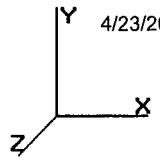
	184.19	1.8667	0.2249	1.1114
	192.06	2.0277	0.2263	1.1731
105.00 mph 90 deg with No Ice (Reduced DL)	79.75	0.3195	0.0150	0.5058
	80.25	0.3240	0.0150	0.5079
	106.75	0.5858	0.0194	0.6570
	126.75	0.8449	0.0230	0.8013
	150.00	1.2098	0.0269	0.9959
	154.88	1.2953	0.0277	1.0142
	168.05	1.5457	0.0325	1.1429
	179.75	1.7818	0.0352	1.1973
	184.19	1.8730	0.0368	1.0673
	192.06	2.0342	0.0370	1.1736
105.00 mph 90 deg with No Ice	79.75	0.3200	0.0150	0.5065
	80.25	0.3245	0.0151	0.5087
	106.75	0.5869	0.0195	0.6584
	126.75	0.8466	0.0230	0.8032
	150.00	1.2124	0.0270	0.9985
	154.88	1.2981	0.0278	1.0168
	168.05	1.5492	0.0325	1.1460
	179.75	1.7859	0.0352	1.2009
	184.19	1.8773	0.0369	1.0705
	192.06	2.0389	0.0371	1.1768
105.00 mph Normal to Face with No Ice (Reduced	79.75	0.3290	0.0176	0.5284
	80.25	0.3337	0.0176	0.5314
	106.75	0.6027	0.0216	0.6750
	126.75	0.8688	0.0243	0.8243
	150.00	1.2443	0.0249	1.0295
	154.88	1.3323	0.0241	1.0413
	168.05	1.5911	0.0230	1.1805
	179.75	1.8362	0.0172	1.4305
	184.19	1.9324	0.0166	1.2827
	192.06	2.1000	0.0164	1.2256
105.00 mph Normal to Face with No Ice	79.75	0.3295	0.0176	0.5291
	80.25	0.3343	0.0176	0.5323
	106.75	0.6038	0.0217	0.6765
	126.75	0.8706	0.0243	0.8263
	150.00	1.2470	0.0250	1.0322
	154.88	1.3352	0.0242	1.0440
	168.05	1.5947	0.0231	1.1838
	179.75	1.8404	0.0173	1.4344
	184.19	1.9369	0.0167	1.2860
	192.06	2.1049	0.0165	1.2289
50.00 mph 60 deg with 0.75 in Radial Ice	79.75	0.0924	0.0071	0.1485
	80.25	0.0937	0.0071	0.1487
	106.75	0.1669	0.0093	0.1829
	126.75	0.2387	0.0111	0.2216
	150.00	0.3389	0.0133	0.2726
	154.88	0.3620	0.0136	0.2751
	168.05	0.4301	0.0164	0.3101
	179.75	0.4939	0.0187	0.3394
	184.19	0.5187	0.0194	0.3040
	192.06	0.5623	0.0194	0.3169
50.00 mph 90 deg with 0.75 in Radial Ice	79.75	0.0924	0.0040	0.1469
	80.25	0.0937	0.0040	0.1469

Site Number: 302470
Location: Ansonia Wakelee, CT
Code: ANSI/TIA-222 Rev G
Struct Class : II
Exposure : B
Topo : 1



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	106.75	0.1671	0.0050	0.1838
	126.75	0.2391	0.0059	0.2220
	150.00	0.3395	0.0067	0.2731
	154.88	0.3627	0.0068	0.2772
	168.05	0.4309	0.0077	0.3106
	179.75	0.4948	0.0082	0.3302
	184.19	0.5195	0.0083	0.2974
	192.06	0.5631	0.0083	0.3174
50.00 mph Normal with 0.75 in Radial Ice	79.75	0.0928	0.0056	0.1449
	80.25	0.0941	0.0056	0.1461
	106.75	0.1684	0.0069	0.1858
	126.75	0.2413	0.0077	0.2244
	150.00	0.3431	0.0082	0.2777
	154.88	0.3666	0.0080	0.2802
	168.05	0.4359	0.0082	0.3154
	179.75	0.5010	0.0073	0.3703
	184.19	0.5264	0.0070	0.3330
	192.06	0.5709	0.0070	0.3246
	192.06	0.0000	0.0000	0.0000

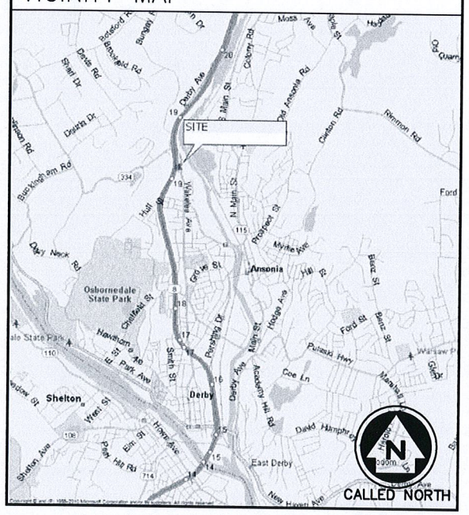
T-MOBILE NORTHEAST LLC

CT11810A
SPECTRASITE - ANSONIA

401 WAKELEE AVENUE
ANSONIA, CT 06401

(2C CONFIGURATION)

VICINITY MAP



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.

CALL:

"CALL BEFORE YOU DIG"
WWW.CBYD.COM
CALL 811, OR 1-800-922-4455

CALL THREE WORKING DAYS PRIOR TO DIGGING

SAFETY PRECAUTIONS SHALL BE IMPLEMENTED BY CONTRACTOR(S) AT ALL TRENCHING IN ACCORDANCE WITH CURRENT OSHA STANDARDS.

COLOR CODE FOR UTILITY LOCATIONS

ELECTRIC	– RED	SEWER	– GREEN
GAS/OIL	– YELLOW	SURVEY	– PINK
TEL/CATV	– ORANGE	PROPOSED EXCAVATION	– WHITE
WATER	– BLUE	RECLAIMED WATER	– PURPLE

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:	CT11810A	APPLICANT:	T–MOBILE NORTHEAST LLC 12050 BALTIMORE AVENUE BELTSVILLE, MD 20705
SITE NAME:	SPECTRASITE – ANSONIA		
SITE ADDRESS:	401 WAKELEE AVENUE ANSONIA, CT 06401	PROJECT MANAGER:	AMERICAN TOWER CORPORATION 10 PRESIDENTIAL WAY WOBURN, MA 01801
PROPERTY OWNER:	TBD		
PARCEL:	TBD	CONTACT:	TARA RUSSO 717–695–2942
CURRENT ZONING:	TBD		
JURISDICTION:	TBD		
ATC SITE NUMBER:	302470	ARCHITECT/ENGINEER:	INFINIGY ENGINEERING 11 HERBERT DRIVE LATHAM, NY 12110
LAT./LONG.:	N 41.35617' / W 73.09193'		
CONSTRUCTION TYPE:	–	CONTACT:	AJ DESANTIS 518–690–0790
USE GROUP:	–		

PROJECT DESCRIPTION

☒ EXISTING MONOPOLE	☒ EXISTING CABINET(S)	☒ OUTDOOR
☐ EXISTING LATTICE TOWER	☐ EXISTING RBS 2106	☐ INDOOR
☐ EXISTING TRANSMISSION TOWER	☐ EXISTING RBS 3106	☒ EXISTING CONCRETE PAD
☐ EXISTING WATER TANK	☐ PROPOSED RBS 6102	☐ EXISTING STEEL PLATFORM
☐ EXISTING BUILDING	☐ SITE SUPPORT KIT	☒ EXISTING PPC
☐ EXISTING FLAGPOLE	☐ SITE SUPPORT CABINET	☐ PANELBOARD
☐ EXISTING FORT WORTH	☒ GPS	

T–MOBILE NORTHEAST LLC PROPOSES THE MODIFICATION OF AN UNMANNED WIRELESS BROADBAND FACILITY. REPLACEMENT OF EXISTING PANEL ANTENNAS & TTA'S WITH PROPOSED PANEL ANTENNAS AND ASSOCIATED CABLING. REUSE EXISTING GPS ANTENNA AND EXISTING EQUIPMENT CABINETS.

SHEET INDEX

SHEET	DESCRIPTION	REVISION
T–1	TITLE SHEET	0
C–1	SITE PLAN	0
C–2	COMPOUND PLAN & ELEVATION	0
C–3	ANTENNA DETAIL & RF SCHEDULE	0
S–1	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 NORTHEAST LLC
12050 BALTIMORE AVENUE BELTSVILLE, MD 20705
Tel (240) 264-8600 Fax (240) 264 - 8610

INFINIGY Design. Build. Deliver.
11 HERBERT DRIVE
LATHAM, NY 12110
OFFICE: (518) 690-0790
FAX: (518) 690-0793

SUBMITTALS

DATE	DESCRIPTION	REVISION
4/24/13	REVIEW	A
5/3/13	FOR PERMIT	0

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

PROJECT NO: 317-0973
DRAWN BY: EKM
CHECKED BY: AJD

STATE OF CONNECTICUT
JOHN S. STEVENS
No. 24705
LICENSED PROFESSIONAL ENGINEER

PROFESSIONAL SEAL

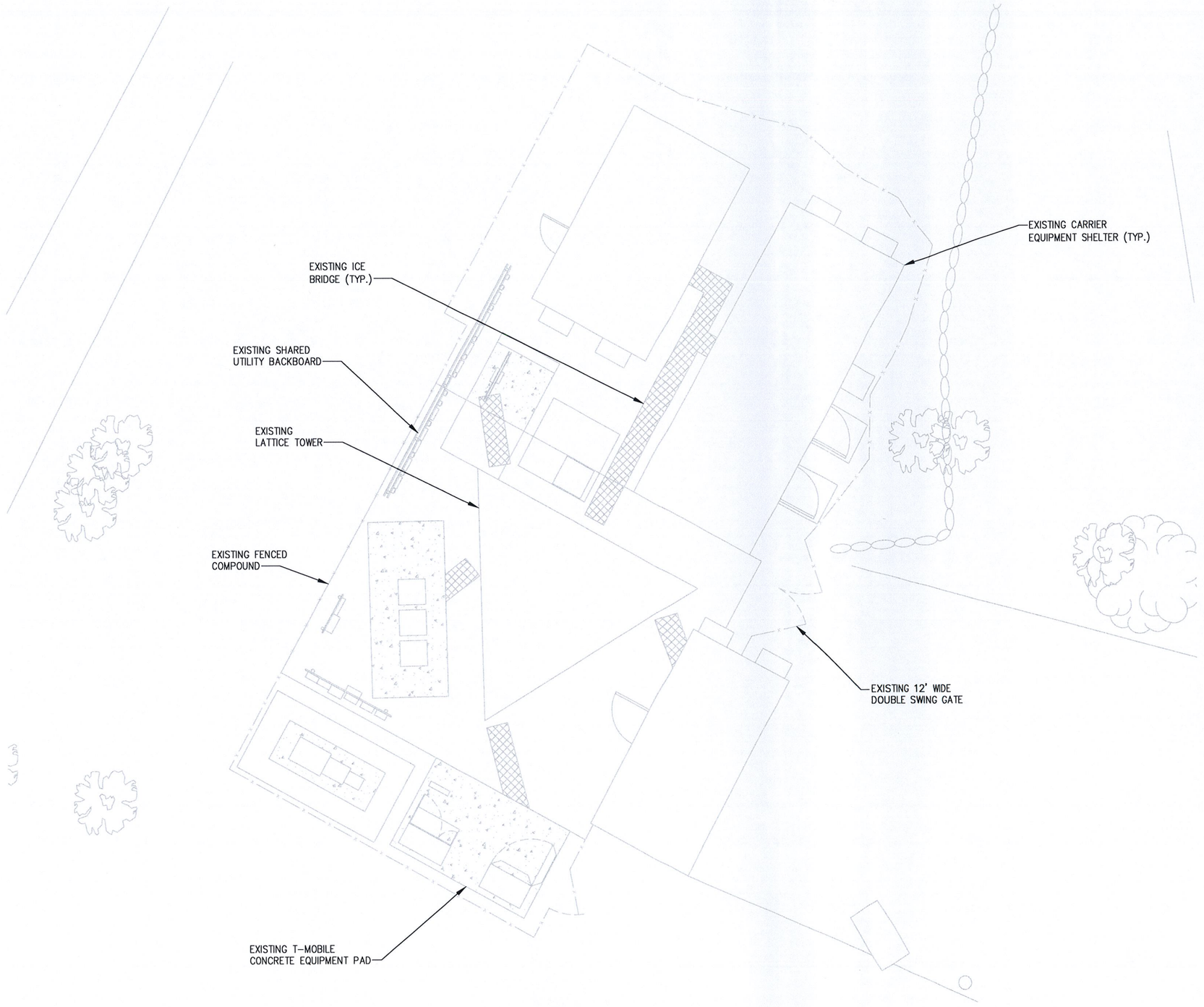
NOTE: IF DRAWINGS ARE 22"x34", USE GRAPHICAL SCALE AND/OR 1/2 TIMES OF THE NOTED SCALE.

SITE NAME
CT11810A
SPECTRASITE - ANSONIA
401 WAKELEE AVENUE
ANSONIA, CT 06401

SHEET TITLE
TITLE SHEET

SHEET NUMBER
T-1

SHEET 1 OF **8** SHEETS



CALLED NORTH

1 COMPOUND PLAN
SCALE: AS NOTED

GENERAL SITE NOTES:

1. A COMPLETE BOUNDARY SURVEY OF THE HOST PARCEL HAS NOT BEEN PERFORMED BY INFINIGY ENGINEERING. BOUNDARY INFORMATION 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
- CHAIN LINK FENCE
- OPAQUE WOODEN FENCE
- BOARD ON BOARD FENCE
- DECIDUOUS TREES/SHRUBS
- EVERGREEN TREES/SHRUBS
- TREE LINE
- UTILITY POLE
- (E) EXISTING
- (N) NEW
- (P) PROPOSED
- (F) FUTURE
- PROP. GSM ANTENNA
- PROP. UMTS ANTENNA
- EX. GSM ANTENNA
- EX. UMTS ANTENNA

GRAPHIC SCALE

10' 5' 0 5' 10'

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

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DATE	DESCRIPTION	REVISION
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5/3/13	FOR PERMIT	0

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

PROJECT NO: 317-0973
DRAWN BY: EKM
CHECKED BY: AJD

STATE OF CONNECTICUT
JOHN S. STEVENS
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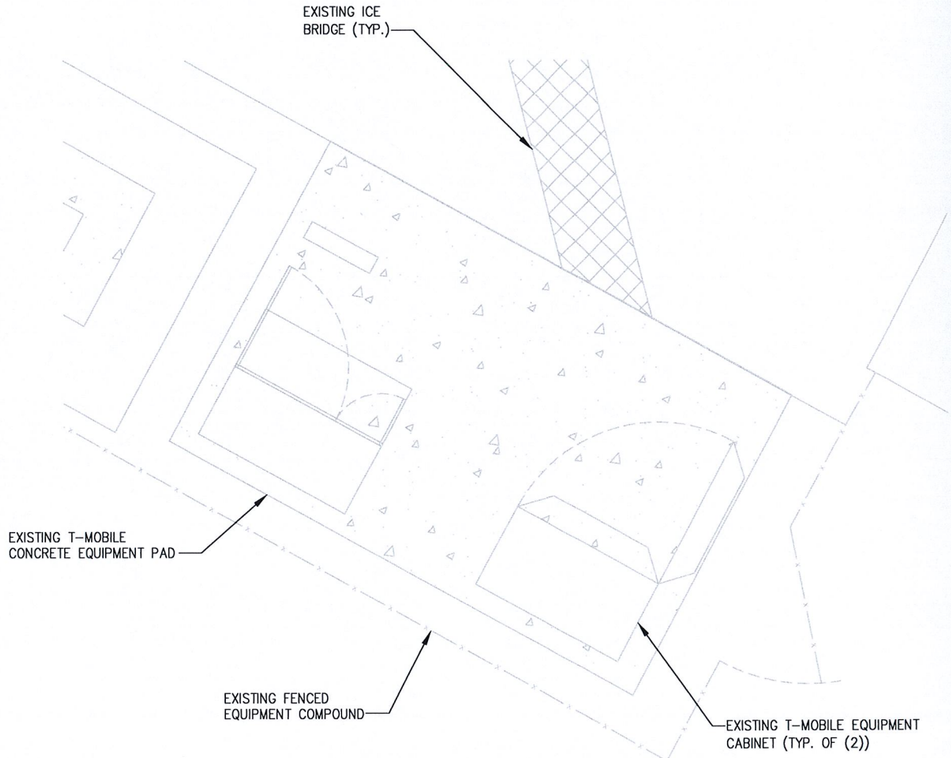
SITE NAME
CT11810A
SPECTRASITE - ANSONIA
401 WAKELEE AVENUE
ANSONIA, CT 06401

SHEET TITLE
SITE PLAN

SHEET NUMBER
C-1

SHEET 2 OF **8** SHEETS



N
CALLED NORTH

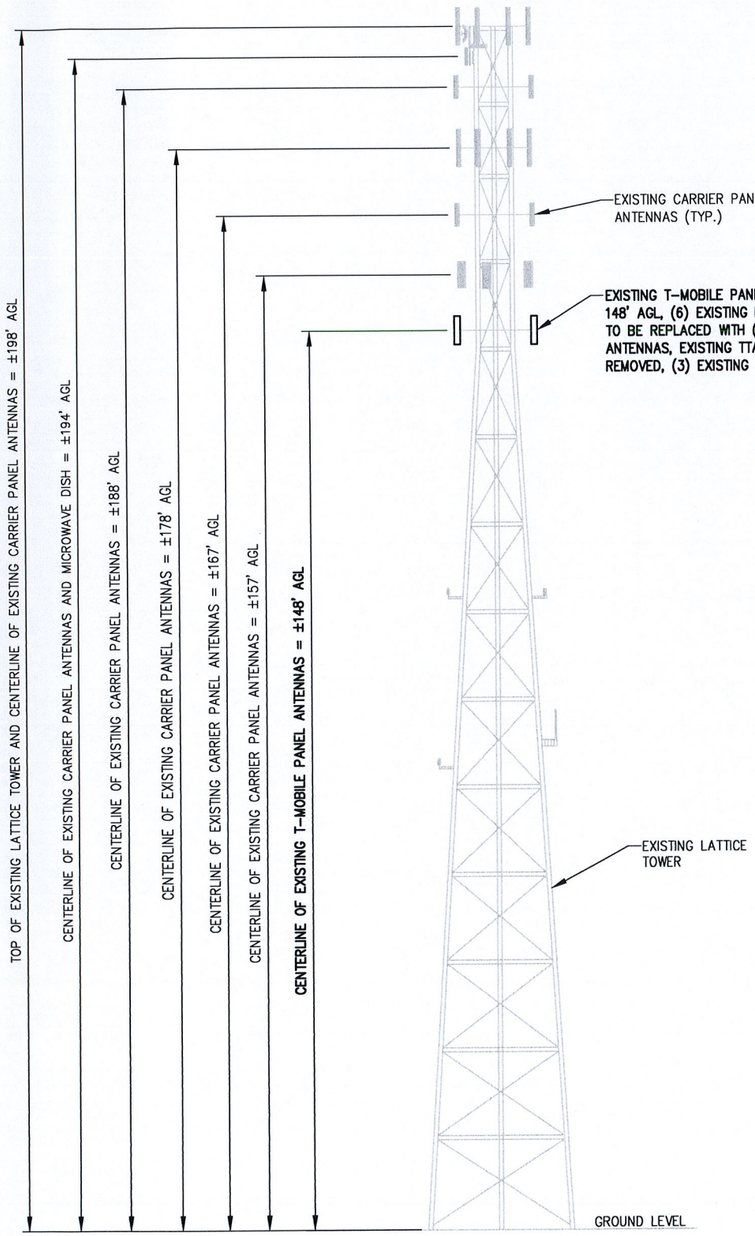
1 / -- COMPOUND PLAN
SCALE: AS NOTED

GRAPHIC SCALE

4' 2' 0 2' 4'

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

NOTE:
INFINIGY ENGINEERING HAS NOT EVALUATED THE TOWER OR 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.



2 / -- TOWER ELEVATION
NOT TO SCALE

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FAX: (518) 690-0793

SUBMITTALS

DATE	DESCRIPTION	REVISION
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5/3/13	FOR PERMIT	0

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

PROJECT NO: 317-0973
DRAWN BY: EKM
CHECKED BY: AJD

STATE OF CONNECTICUT
JOHN S. STEVENS
No. 24705
LICENSED PROFESSIONAL ENGINEER
PROFESSIONAL SEAL

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

SITE NAME
CT11810A
SPECTRASITE - ANSONIA
401 WAKELEE AVENUE
ANSONIA, CT 06401

SHEET TITLE
COMPOUND PLAN & ELEVATION

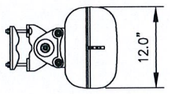
SHEET NUMBER
C-2
SHEET 3 OF **8** SHEETS

RF SYSTEM SCHEDULE (2C CONFIGURATION)

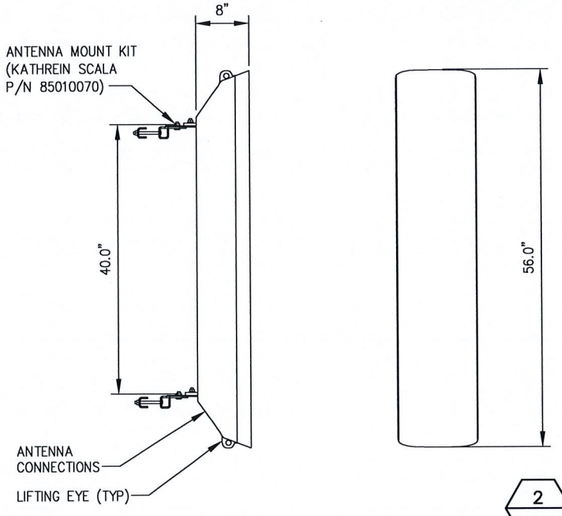
SECTOR	TECHNOLOGY	ANTENNA PORT	BAND	ANTENNA MODEL #	VENDOR	AZIMUTH	M-TILT	E-TILT	ANTENNA CENTERLINE	TMA MODEL #	VENDOR	CABLE LENGTH	CABLE DIAMETER	CABLE TYPE	CABLE MODEL #	VENDOR	CABLE TAGGING	COLOR CODING	JUMPER TYPE	JUMPER TAGGING	COLOR CODING
A	UMTS AWS	RF #1	B4P	AIR21	ERICSSON	0°	0°	2°	148'-0"	ATMAA1412D	N/A	EXISTING	1-5/8"	COAX	EXISTING	N/A	UMTS AWS A1	B	COAX	UMTS AWS A1	B
		RF #2										EXISTING	1-5/8"	COAX	EXISTING	N/A	UMTS AWS A2	B	COAX	UMTS AWS A2	B
	LMU	LMU #1	–							–	–	EXISTING	1-5/8"	COAX	EXISTING	N/A	LMU A1	–	COAX	LMU A1	–
		LMU #2										EXISTING	1-5/8"	COAX	EXISTING	N/A	LMU A2	–	COAX	LMU A2	–
	GSM	**OPTICAL #1**	**B2A**							–	–	185'±	–	**HYBRID**	**MASTERLINE EXTREME HYBRID (3x6)**	**ERICSSON**	**FIBER 1**	**0**	**FIBER**	**GSM 1900 A1**	**R**
	UMTS	**OPTICAL #2**																	**FIBER**	**UMTS 1900 A2**	**G**
	LTE AWS	**OPTICAL #1**	**B4A**	AIR21	ERICSSON	0°	0°	2°	148'-0"	–	–								**FIBER**	**LTE FIBER 1**	**Y**
B	UMTS AWS	RF #1	B4P	AIR21	ERICSSON	100°	0°	2°	148'-0"	ATMAA1412D	N/A	EXISTING	1-5/8"	COAX	EXISTING	N/A	UMTS AWS B1	BB	COAX	UMTS AWS B1	BB
		RF #2										EXISTING	1-5/8"	COAX	EXISTING	N/A	UMTS AWS B2	BB	COAX	UMTS AWS B2	BB
	LMU	LMU #1	–							–	–	EXISTING	1-5/8"	COAX	EXISTING	N/A	LMU B1	–	COAX	LMU B1	–
		LMU #2										EXISTING	1-5/8"	COAX	EXISTING	N/A	LMU B2	–	COAX	LMU B2	–
	GSM	**OPTICAL #1**	**B2A**							–	–	**(ANTENNA CONNECTED VIA SINGLE SHARED MLE HYBRID GEN2 CABLE. SEE SECTOR "A")**							**HYBRID**	**GSM 1900 B1**	**RR**
	UMTS	**OPTICAL #2**																	**HYBRID**	**UMTS 1900 B2**	**GG**
	LTE AWS	**OPTICAL #1**	**B4A**	AIR21	ERICSSON	100°	0°	2°	148'-0"	–	–								**HYBRID**	**LTE FIBER 2**	**YY**
C	UMTS AWS	RF #1	B4P	AIR21	ERICSSON	200°	0°	2°	148'-0"	ATMAA1412D	N/A	EXISTING	1-5/8"	COAX	EXISTING	N/A	UMTS AWS C1	BBB	COAX	UMTS AWS C1	BBB
		RF #2										EXISTING	1-5/8"	COAX	EXISTING	N/A	UMTS AWS C2	BBB	COAX	UMTS AWS C2	BBB
	LMU	LMU #1	–							–	–	EXISTING	1-5/8"	COAX	EXISTING	N/A	LMU C1	–	COAX	LMU C1	–
		LMU #2										EXISTING	1-5/8"	COAX	EXISTING	N/A	LMU C2	–	COAX	LMU C2	–
	GSM	**OPTICAL #1**	**B2A**							–	–	**(ANTENNA CONNECTED VIA SINGLE SHARED MLE HYBRID GEN2 CABLE. SEE SECTOR "A")**							**HYBRID**	**GSM 1900 C1**	**RRR**
	UMTS	**OPTICAL #2**																	**HYBRID**	**UMTS 1900 C2**	**GGG**
	LTE AWS	**OPTICAL #1**	**B4A**	AIR21	ERICSSON	200°	0°	2°	148'-0"	–	–								**HYBRID**	**LTE FIBER 3**	**YYY**

KEY	
EXISTING	R – RED – GSM
PROPOSED	G – GREEN – UMTS 1900
FIBER CONNECTION	B – BLUE – UMTS AWS
	Y – YELLOW – LTE
	O – ORANGE – FIBER CABLE

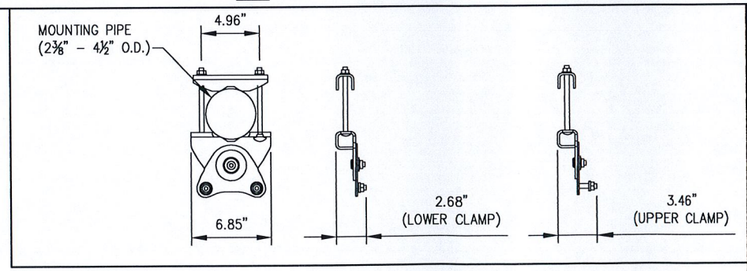
1 RF SCHEDULE
NOT TO SCALE

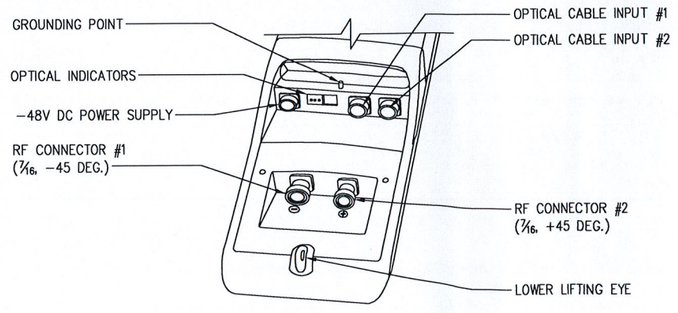


AIR21 "ANTENNA INTEGRATED RADIO"
(PCS & AWS VERSIONS)
WEIGHT: 83LBS (MAX)

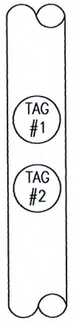


2 ANTENNA DETAIL
NOT TO SCALE





ANTENNA CONNECTION INTERFACE DETAIL
NOT TO SCALE



METALLIC TAG NOTES:

1. TWO METALLIC TAGS SHALL BE ATTACHED AT EACH END OF EVERY CABLE LONGER THAN (3) THREE FEET.
2. CABLES LESS THAN (3) THREE FEET WILL HAVE TWO METALLIC TAGS ATTACHED AT THE CENTER OF THE CABLE.
3. TAGS WILL BE FASTENED WITH STAINLESS STEEL ZIP TIES APPROPRIATE FOR CABLE DIAMETER.
4. STANDARDIZED METALLIC TAG KITS WILL BE ASSEMBLED WITH TAGS ALREADY ENGRAVED TO ACCOMODATE ALL CONFIGURATIONS.

3 METALLIC TAG DETAIL
NOT TO SCALE

T-Mobile

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DATE	DESCRIPTION	REVISION
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5/3/13	FOR PERMIT	0

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

PROJECT NO: 317-0973
DRAWN BY: EKM
CHECKED BY: AJD

STATE OF CONNECTICUT
JOHN S. STEVENS
No. 24705
LICENSED
PROFESSIONAL ENGINEER

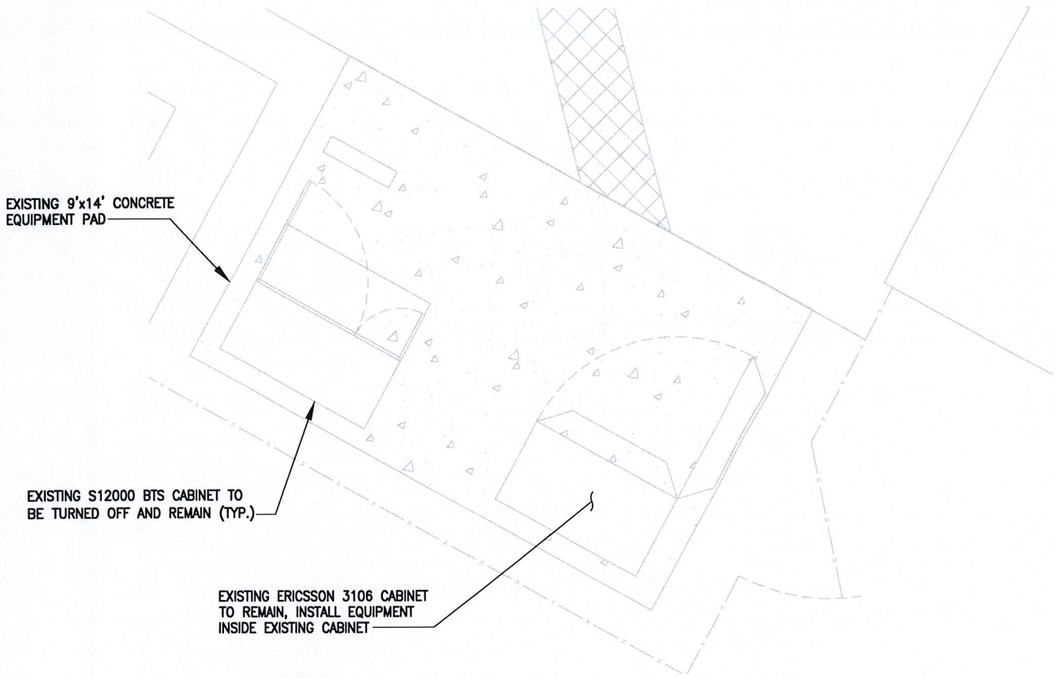
PROFESSIONAL SEAL

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

SITE NAME
CT11810A
SPECTRASITE - ANSONIA
401 WAKELEE AVENUE
ANSONIA, CT 06401

SHEET TITLE
ANTENNA DETAIL & RF SCHEDULE

SHEET NUMBER
C-3
SHEET 4 OF 8 SHEETS

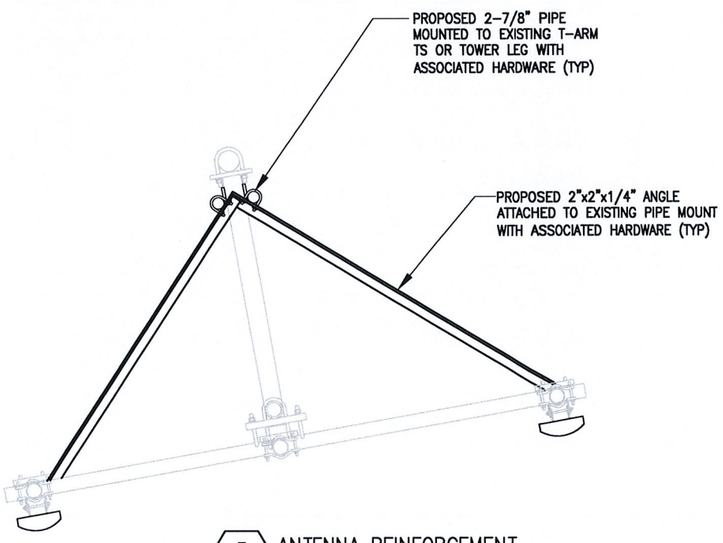


1 EQUIPMENT PAD LAYOUT PLAN
NOT TO SCALE

2 NOT USED
NOT TO SCALE

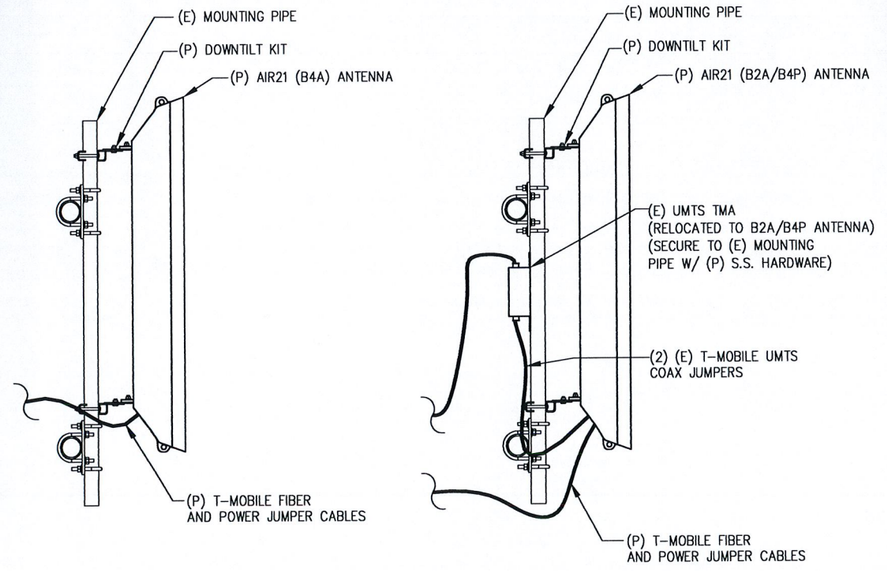
STRUCTURAL NOTES:

1. SPECIFICATIONS / CODES:
   - –CONCRETE WORK SHALL BE PERFORMED IN ACCORDANCE WITH LATEST EDITION OF THE ACI CODE.
   - –STEEL WORK SHALL BE PERFORMED IN ACCORDANCE WITH AISC STEEL CONSTRUCTION MANUAL, 9tH EDITION.
   - –WELDING SHALL BE PERFORMED IN ACCORDANCE WITH AMERICAN WELDING SOCIETY (AWS) D1.1–92 "STRUCTURAL WELDING" CODE–STEEL.
   - –REINFORCING STEEL SHALL BE PLACED IN ACCORDANCE WITH THE CONCRETE REINFORCING STEEL INSTITUTE (CRSI), "MANUAL OF STANDARD PRACTICE."
2. MATERIALS:
   - –CONCRETE: fc' – 3000psi. (MIN. U.N.O.)
   - –REINFORCING STEEL: ASTM A615, GRADE 60.
   - –WIRE MESH: ASTM A185.
   - –STRUCTURAL STEEL: ASTM A36.
   - –ELECTRODES FOR WELDING: E 70xx.
   - –GALVANIZING: ASTM A153 (BOLTS) OR ASTM A123 (SHAPES, PLATES).
   - –EXPANSION BOLTS: HILTI KWIK BOLT II, STAINLESS STEEL, 3/4"Øx43/4" EMBEDMENT OR AN APPROVED EQUAL.



3 ANTENNA REINFORCEMENT
NOT TO SCALE

*USE WHEN EXISTING ANTENNA PIPE MOUNT HAS ONLY ONE POINT OF ATTACHMENT



4 ANTENNA MOUNTING DETAIL
NOT TO SCALE

T-Mobile
T-MOBILE NORTHEAST LLC
12050 BALTIMORE AVENUE BELTSVILLE, MD 20705
Tel (240) 264-8600 Fax (240) 264 - 8610

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OFFICE: (518) 690-0790
FAX: (518) 690-0793

SUBMITTALS

DATE	DESCRIPTION	REVISION
4/24/13	REVIEW	A
5/3/13	FOR PERMIT	0

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

PROJECT NO:	317-0973
DRAWN BY:	EKM
CHECKED BY:	AJD

STATE OF CONNECTICUT
JOHN S. STEVENS
No. 24705
LICENSED
PROFESSIONAL ENGINEER

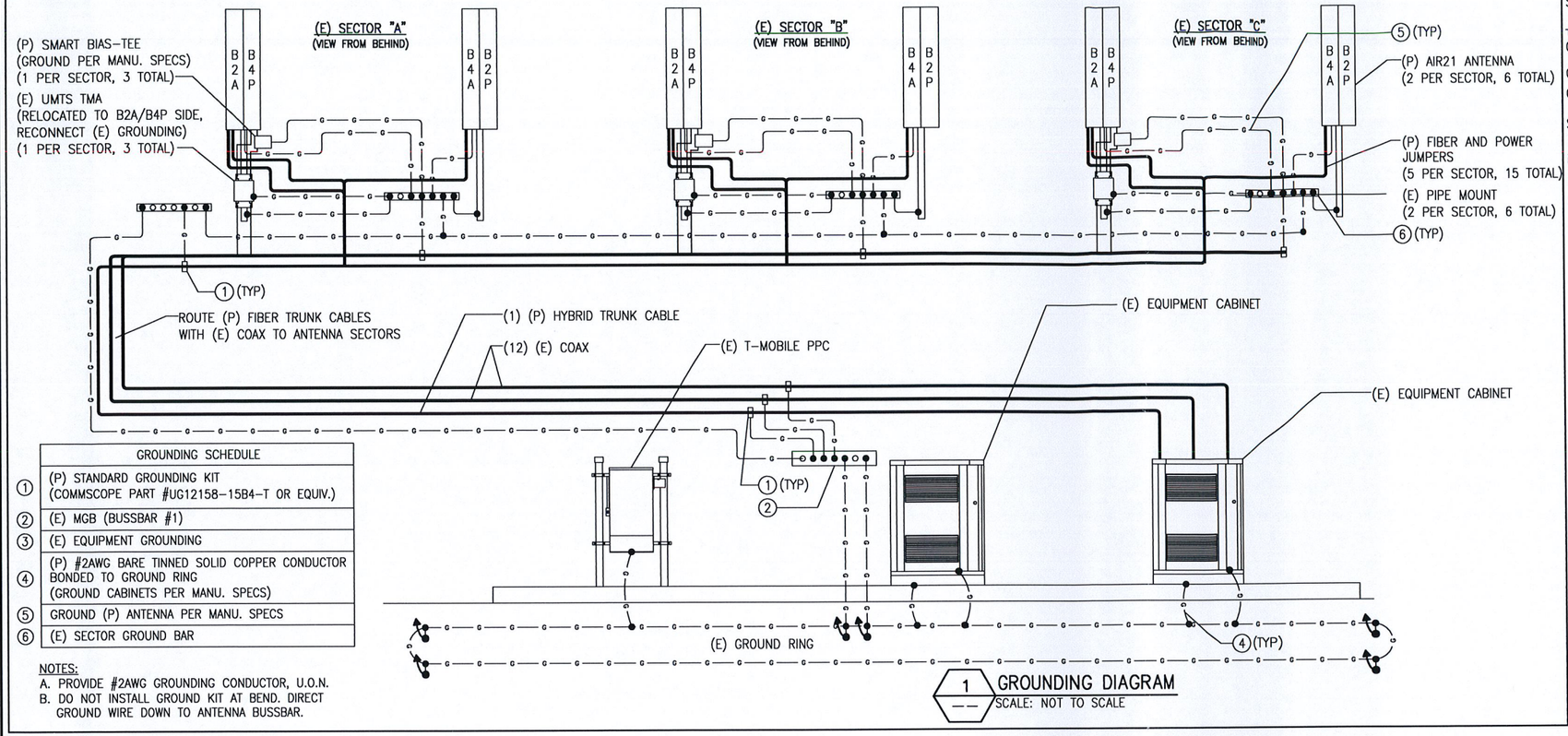
PROFESSIONAL SEAL

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

SITE NAME
CT11810A
SPECTRASITE - ANSONIA
401 WAKELEE AVENUE
ANSONIA, CT 06401

SHEET TITLE
EQUIPMENT SPECIFICATIONS

SHEET NUMBER
S-1

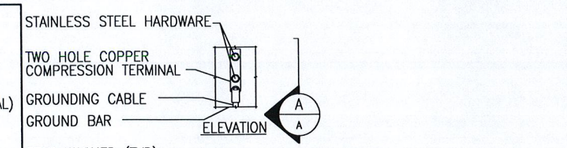


GROUNDING SCHEDULE	
①	(P) STANDARD GROUNDING KIT (COMMSCOPE PART #UG12158-15B4-T OR EQUIV.)
②	(E) MGB (BUSSBAR #1)
③	(E) EQUIPMENT GROUNDING
④	(P) #2AWG BARE TINNED SOLID COPPER CONDUCTOR BONDED TO GROUND RING (GROUND CABINETS PER MANU. SPECS)
⑤	GROUND (P) ANTENNA PER MANU. SPECS
⑥	(E) SECTOR GROUND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

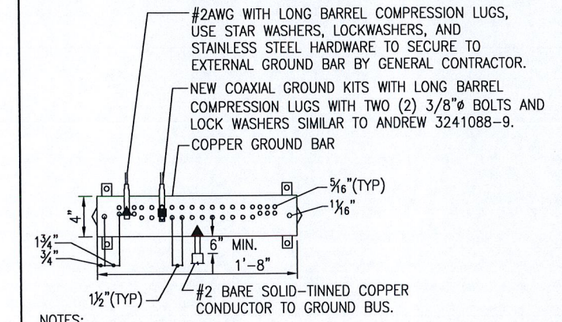
NOTES:
A. PROVIDE #2AWG GROUNDING CONDUCTOR, U.O.N.
B. DO NOT INSTALL GROUND KIT AT BEND. DIRECT GROUND WIRE DOWN TO ANTENNA BUSSBAR.

1 GROUNDING DIAGRAM
SCALE: NOT TO SCALE

CONDUIT SCHEDULE	
①	(E) POWER CONDUIT

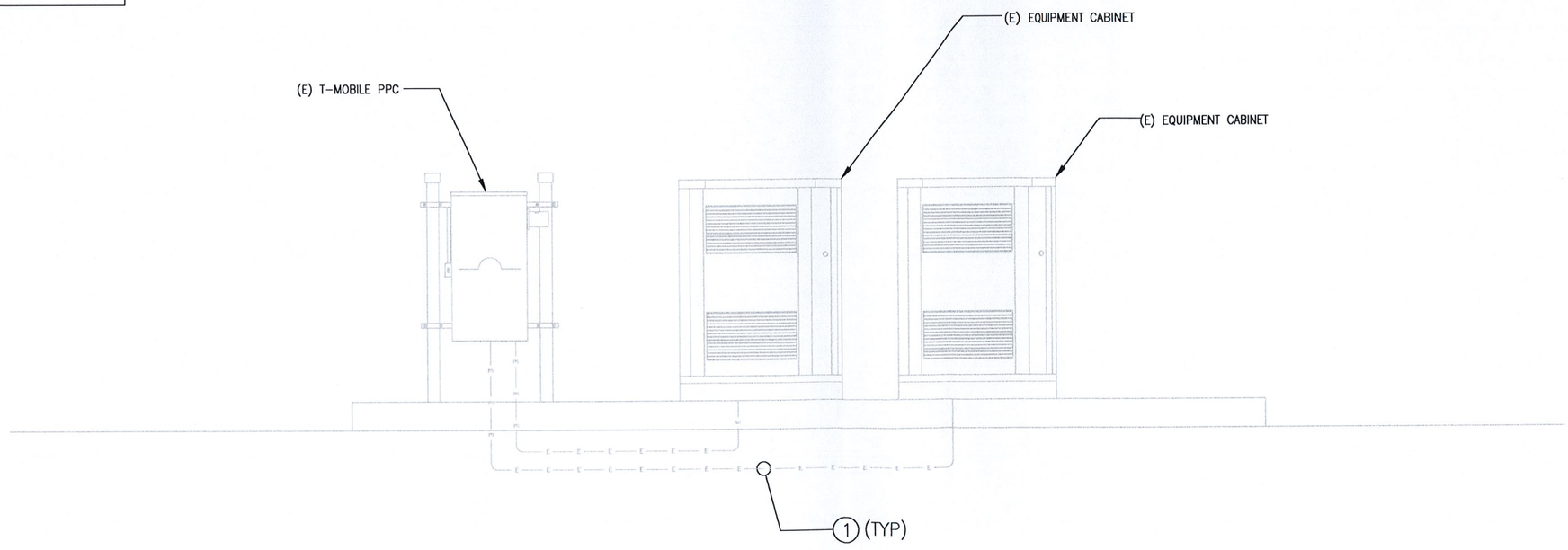


NOTES:
1. OXIDE INHIBITING COMPOUND TO BE USED AT ALL LOCATIONS.



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".

2 GROUNDBAR CONNECTION DETAILS
SCALE: NOT TO SCALE



3 POWER DIAGRAM
SCALE: NOT TO SCALE

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SITE AC.			

PROJECT NO:	317-0973
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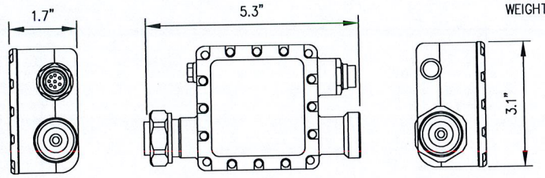
CT11810A
SPECTRASITE - ANSONIA
401 WAKELEE AVENUE
ANSONIA, CT 06401

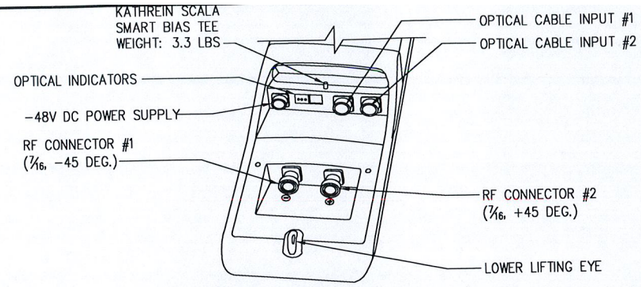
SHEET TITLE
GROUNDING & POWER DIAGRAMS

SHEET NUMBER
E-1
SHEET 6 OF 8 SHEETS



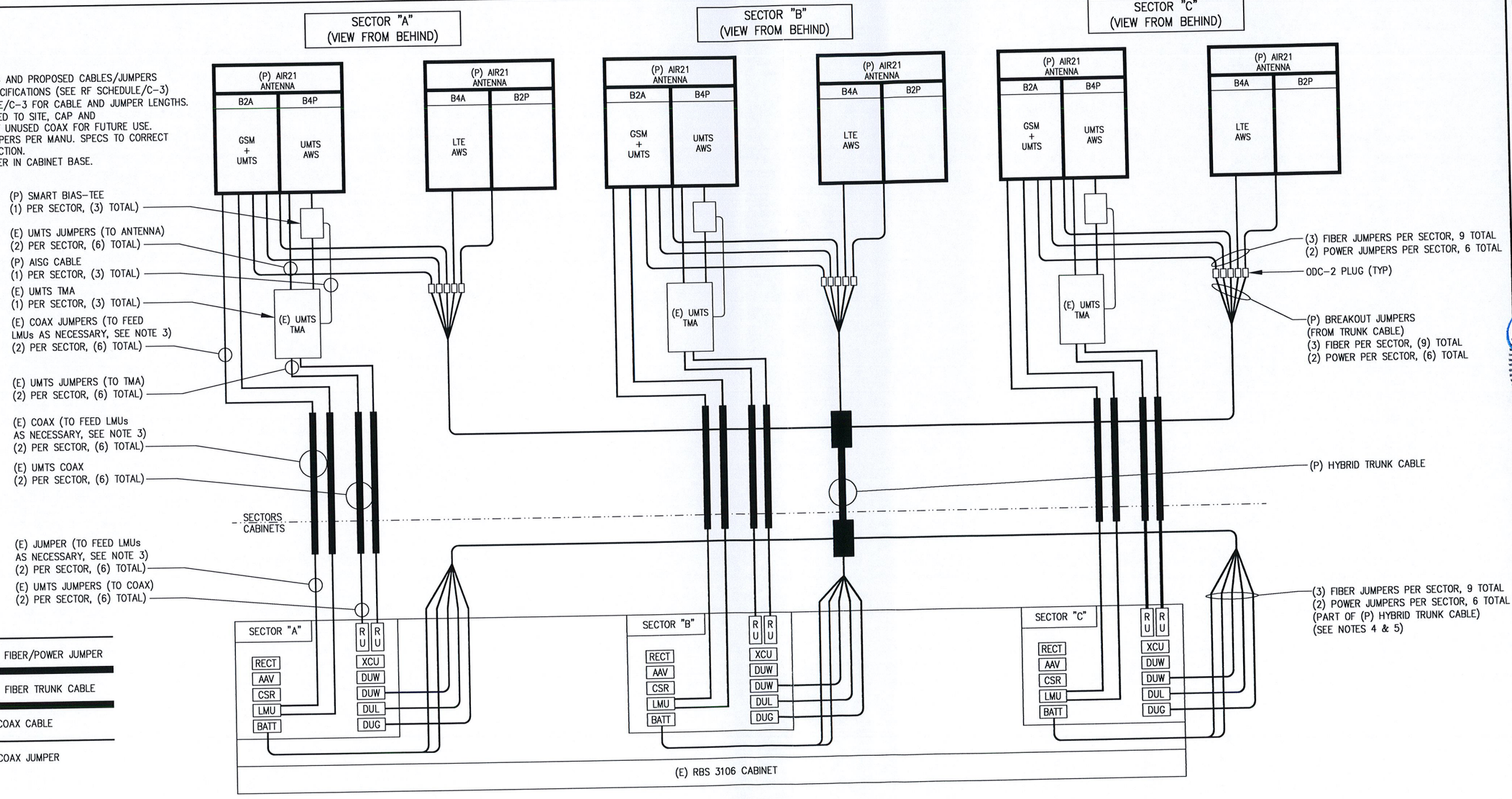
KATHREIN SCALA SMART BIAS TEE
WEIGHT: 3.3 LBS

1 SMART BIAS-TEE DETAIL
NOT TO SCALE



2 ANTENNA CONNECTION INTERFACE
NOT TO SCALE

NOTES:
1. TAG ALL EXISTING AND PROPOSED CABLES/JUMPERS PER T-MOBILE SPECIFICATIONS (SEE RF SCHEDULE/C-3)
2. SEE RF SCHEDULE/C-3 FOR CABLE AND JUMPER LENGTHS.
3. IF NEW GPS ADDED TO SITE, CAP AND WEATHERPROOF ANY UNUSED COAX FOR FUTURE USE.
4. TRIM POWER JUMPERS PER MANU. SPECS TO CORRECT LENGTH FOR CONNECTION.
5. COIL EXCESS FIBER IN CABINET BASE.



PROPOSED FIBER/POWER JUMPER

PROPOSED FIBER TRUNK CABLE

EXISTING COAX CABLE

EXISTING COAX JUMPER

3 2C CONFIGURATION COAX/FIBER PLUMBING DIAGRAM
NOT TO SCALE

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PROJECT NO: 317-0973
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STATE OF CONNECTICUT
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SPECTRASITE - ANSONIA
401 WAKELEE AVENUE
ANSONIA, CT 06401

SHEET TITLE
COAX/FIBER PLUMBING DIAGRAM

SHEET NUMBER
E-2
SHEET 7 OF **8** SHEETS

ELECTRICAL NOTES:

WORK INCLUDED

1. INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, PLANT SERVICES AND ADMINISTRATIVE TASKS REQUIRED TO COMPLETE AND MAKE OPERABLE THE ELECTRICAL WORK SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
   - A. PREPARE AND SUBMIT SHOP DRAWINGS, DIAGRAMS AND ILLUSTRATIONS.
   - B. PROCURE ALL NECESSARY PERMITS AND APPROVALS AND PAY ALL REQUIRED FEES AND CHARGES IN CONNECTION WITH THE WORK OF THIS CONTRACT.
   - C. SUBMIT AS-BUILT DRAWINGS, OPERATING AND MAINTENANCE INSTRUCTIONS AND MANUALS.
   - D. EXECUTE ALL CUTTING, DRILLING, ROUGH AND FINISH PATCHING OF EXISTING OR NEWLY INSTALLED CONSTRUCTION REQUIRED FOR THE WORK OF THIS CONTRACT. FOR SLAB PENETRATIONS THROUGH POST TENSION SLABS, X-RAY EXACT AREA OF PENETRATION PRIOR TO PERFORMING WORK. COORDINATE ALL X-RAY WORK WITH BUILDING ENGINEER.
   - E. PROVIDE HANGERS, SUPPORTS, FOUNDATIONS, STRUCTURAL FRAMING SUPPORTS, AND BASES FOR CONDUIT AND EQUIPMENT PROVIDED OR INSTALLED UNDER THE WORK OF HIS CONTRACT. PROVIDE COUNTER FLASHING, SLEEVES AND SEALS FOR FLOOR AND WALL PENETRATIONS.
   - F. MAINTAIN ALL EXISTING ELECTRICAL SERVICES IN THE BUILDING AREAS NOT AFFECTED BY THE ALTERATION DURING THE PROGRESS OF THE WORK INCLUDING PROVIDING ALL TEMPORARY JUMPERS, CONDUITS, CAPS, PROTECTIVE DEVICES, CONNECTIONS AND EQUIPMENT REQUIRED. PROVIDE TEMPORARY LIGHT AND POWER FOR CONSTRUCTION PURPOSES.
2. IT IS THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS TO CALL FOR AN INSTALLATION THAT IS COMPLETE IN EVERY RESPECT. IT IS NOT THE INTENT TO GIVE EVERY DETAIL ON THE DRAWINGS AND IN THE SPECIFICATIONS. IF AN ITEM OF WORK IS INDICATED IN THE DRAWINGS, IT IS CONSIDERED SUFFICIENT FOR INCLUSION IN THE CONTRACT. FURNISH AND INSTALL ALL MATERIAL AND EQUIPMENT USUALLY FURNISHED OR NEEDED TO MAKE A COMPLETE INSTALLATION WHETHER OR NOT SPECIFICALLY MENTIONED IN THE CONTRACT DOCUMENTS.

GENERAL REQUIREMENTS

1. PROVIDE ALL WORK IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND LOCAL AND STATE ELECTRICAL CODES.
2. THE ELECTRICAL PLANS ARE DIAGRAMMATIC ONLY. REFER TO THE ARCHITECTURAL PLANS FOR THE EXACT DIMENSIONS OF THE BUILDING.
3. LOAD CALCULATIONS ARE BASED ON EXISTING BUILDING INFORMATION/DRAWINGS PROVIDED TO ENGINEERING. CONTRACTOR IS TO VERIFY ALL EXISTING RATINGS AND LOADS PRIOR TO PURCHASING OF SPECIFIED EQUIPMENT FOR COMPLIANCE TO NEC. CONTRACTOR TO NOTIFY ENGINEER OF ANY DISCREPANCIES AND REQUEST FURTHER DIRECTION BY ENGINEER.
4. EXISTING BUILDING EQUIPMENT IS NOTED ON THE DRAWINGS. NEW OR RELOCATED EQUIPMENT IS SHOWN WITH SOLID LINES. FUTURE EQUIPMENT (NOT IN THIS CONTRACT) IS DEPICTED WITH SHADED LINES. REQUEST CLARIFICATION OF DRAWINGS OR OF SPECIFICATIONS PRIOR TO PRICING OR INSTALLATION.
5. GENERAL
   - A. AFTER CAREFULLY STUDYING THE DRAWINGS AND SPECIFICATIONS, AND BEFORE SUBMITTING THE PROPOSAL, MAKE A MANDATORY SITE VISIT TO ASCERTAIN CONDITIONS OF THE SITE, AND THE NATURE AND EXACT QUANTITY OF WORK TO BE PERFORMED. NO EXTRA COMPENSATION WILL BE ALLOWED FOR FAILURE TO NOTIFY THE OWNER, IN WRITING, OF ANY DISCREPANCIES THAT MAY HAVE BEEN NOTED BETWEEN THE EXISTING CONDITIONS AND THE DRAWINGS AND SPECIFICATIONS.
   - B. VERIFY ALL MEASUREMENTS AT THE SITE AND BE RESPONSIBLE FOR CORRECTNESS OF SAME.
6. QUALITY, WORKMANSHIP, MATERIALS AND SAFETY
   - A. PROVIDE NEW MATERIALS AND EQUIPMENT OF A DOMESTIC MANUFACTURER BY THOSE REGULARLY ENGAGED IN THE PRODUCTION AND MANUFACTURE OF SPECIFIED MATERIALS AND EQUIPMENT. WHERE UL, OR OTHER AGENCY, HAS ESTABLISHED STANDARDS FOR MATERIALS, PROVIDE MATERIALS WHICH ARE LISTED AND LABELED ACCORDINGLY. THE COMMERCIALLY STANDARD ITEMS OF EQUIPMENT AND THE SPECIFIC NAMES MENTIONED HEREIN ARE INTENDED FOR THE PROPER FUNCTIONING OF THE WORK.
   - B. WORK SHALL BE PERFORMED BY WORKMEN SKILLED IN THE TRADE REQUIRED FOR THE WORK. INSTALL MATERIALS AND EQUIPMENT TO PRESENT A NEAT APPEARANCE WHEN COMPLETED AND IN ACCORDANCE WITH THE APPROVED RECOMMENDATIONS OF THE MANUFACTURER AND IN ACCORDANCE WITH CONTRACT DOCUMENTS.
   - C. PROVIDE LABOR, MATERIALS, APPARATUS AND APPLIANCES ESSENTIAL TO THE FUNCTIONING OF THE SYSTEMS DESCRIBED OR INDICATED HEREIN, OR WHICH MAY BE REASONABLY IMPLIED AS ESSENTIAL WHENEVER MENTIONED IN THE CONTRACT DOCUMENT OR NOT.
   - D. MAKE WRITTEN REQUESTS FOR SUPPLEMENTARY INSTRUCTIONS TO ARCHITECT/ENGINEER IN CASE OF DOUBT AS TO WORK INTENDED OR IN EVENT OF NEED FOR EXPLANATION THEREOF.
   - E. PERFORMANCE AND MATERIAL REQUIREMENTS SCHEDULED OR SPECIFIED ARE MINIMUM STANDARD ACCEPTABLE. THE RIGHT TO JUDGE THE QUALITY OF EQUIPMENT THAT DEVIATES FROM THE CONTRACT DOCUMENT REMAINS SOLELY WITH ARCHITECT/ENGINEER. CONTRACT DOCUMENT OR NOT.

GUARANTEE

1. GUARANTEE MATERIALS, PARTS AND LABOR FOR WORK FOR ONE YEAR FROM THE DATE OF ISSUANCE OF OCCUPANCY PERMIT. DURING THAT PERIOD, MAKE GOOD FAULTS OR IMPERFECTIONS THAT MAY ARISE DUE TO DEFECTS OR OMISSIONS IN MATERIALS OR WORKMANSHIP WITH NO ADDITIONAL COMPENSATION AND AS DIRECTED BY ARCHITECT.

CLEANING

1. REMOVE ALL CONSTRUCTION DEBRIS RESULTING FROM THE WORK.
2. CLEAN EQUIPMENT AND SYSTEMS FOLLOWING THE COMPLETION OF THE PROJECT TO THE SATISFACTION OF THE ENGINEER.

COORDINATION AND SUPERVISION

1. CAREFULLY LAY OUT ALL WORK IN ADVANCE TO AVOID UNNECESSARY CUTTING, CHANNELING, CHASING OR DRILLING OF FLOORS, WALLS, PARTITIONS, CEILINGS OR OTHER SURFACES. WHERE SUCH WORK IS NECESSARY, HOWEVER, PATCH AND REPAIR THE WORK IN AN APPROVED MANNER BY SKILLED MECHANICS AT NO ADDITIONAL COST TO THE OWNER. RENDER FULL COOPERATION TO OTHER TRADES WHERE WORK WILL BE INSTALLED IN CLOSE PROXIMITY TO WORK OF OTHER TRADES. ASSIST IN WORKING OUT SPACE CONDITIONS. IF WORK IS INSTALLED BEFORE COORDINATION WITH OTHER TRADES, OR CAUSES INTERFERENCE, MAKE CHANGES NECESSARY TO CORRECT CONDITIONS WITHOUT EXTRA CHARGE.

SUBMITTALS

1. AS-BUILT DRAWINGS:
   - A. UPON COMPLETION OF THE WORK, FURNISH TO THE OWNER "AS-BUILT" DRAWINGS.
2. SERVICE MANUALS:
   - A. UPON COMPLETION OF THE WORK, FULLY INSTRUCT T-MOBILE AS TO THE OPERATION AND MAINTENANCE OF ALL MATERIAL, EQUIPMENT AND SYSTEMS.
   - B. PROVIDE 3 COMPLETE BOUND SETS OF INSTRUCTIONS FOR OPERATING AND MAINTAINING ALL SYSTEMS AND EQUIPMENT.

CUTTING AND PATCHING

1. PROVIDE ALL CUTTING, DRILLING, ROUGH AND FINISH PATCHING REQUIRED TO COMPLETE THE WORK.
2. OBTAIN OWNER APPROVAL PRIOR TO CUTTING THROUGH FLOORS OR WALLS FOR PIPING OR CONDUIT.

TESTS, INSPECTION AND APPROVAL

1. BEFORE ENERGIZING ANY ELECTRICAL INSTALLATION, INSPECT EACH UNIT IN DETAIL. TIGHTEN ALL BOLTS AND CONNECTIONS (TORQUE-TIGHTEN WHERE REQUIRED) AND DETERMINE THAT ALL COMPONENTS ARE ALIGNED, AND THE EQUIPMENT IS IN SAFE, OPERATIONAL CONDITION.
2. PROVIDE THE COMPLETE ELECTRICAL SYSTEM FREE OF GROUND FAULTS AND SHORT CIRCUITS SUCH THAT THE SYSTEM WILL OPERATE SATISFACTORILY UNDER FULL LOAD CONDITIONS, WITHOUT EXCESSIVE HEATING AT ANY POINT IN THE SYSTEM.

SPECIAL REQUIREMENTS

1. DO NOT LEAVE ANY WORK INCOMPLETE NOR ANY HAZARDOUS SITUATIONS CREATED WHICH WILL AFFECT THE LIFE OR SAFETY OF THE PUBLIC AND/OR BUILDING OCCUPANTS. DO NOT INTERFERE WITH OR CUTOFF ANY OF THE EXISTING SERVICES WITHOUT THE OWNER'S WRITTEN PERMISSION.
2. WHEN NECESSARY TO TEMPORARILY DISCONNECT ANY EXISTING BUILDING UTILITIES AND SERVICE SYSTEMS, INCLUDING FEEDER OR BRANCH CIRCUITING SUPPLYING EXISTING FACILITIES, CONFER WITH THE OWNER AND ARRANGE THE PERIOD OF INTERRUPTION FOR A TIME MUTUALLY AGREED UPON. SHUTDOWN NOTE: SCHEDULE AND NOTIFY OWNER 48 HOURS PRIOR TO SHUTDOWN. ALL SHUTDOWN WORK TO BE SCHEDULED AT A TIME CONVENIENT TO OWNER.

GROUNDING

1. ROUTE ALL GROUNDING CONDUCTORS AS SHOWN ON CONDUIT/GROUNDING RISER.
2. ROUTE 500 KCMIL CU. THHN CONDUCTOR FROM THE MGB LOCATION TO BUILDING STEEL. VERIFY BUILDING STEEL IS EFFECTIVELY GROUNDED PER NEC TO THE MAIN SERVICE GROUNDING ELECTRODE CONDUCTOR (GEC).
3. MAKE ALL GROUND CONNECTIONS FROM MGB TO ELECTRICAL EQUIPMENT WITH 2 HOLE, CRIMP TYPE, BURNDY COMPRESSION TERMINATIONS, SIZED AS REQUIRED.
4. USE 1 HOLE, CRIMP TYPE, BURNDY COMPRESSIONS TERMINATIONS, SIZED AS REQUIRED, AT EQUIPMENT GROUND CONNECTIONS.
5. HIRE AN INDEPENDENT LAB TO PERFORM THE SPECIFIED OHMS TESTING. PROVIDE 4 SETS OF THE CERTIFIED DOCUMENTS TO THE OWNER FOR VERIFICATION PRIOR TO THE PROJECT COMPLETION.

RACEWAYS

1. ALL WIRING TO BE INSTALLED IN CONDUIT SYSTEMS IN ACCORDANCE WITH THE FOLLOWING:
   - A. EXTERIOR FEEDERS AND CONTROL, WHERE UNDERGROUND, TO BE IN SCH 40 PVC.
   - B. EXTERIOR, ABOVE GROUND POWER CONDUITS TO BE GALVANIZED RIGID STEEL (RGS).
   - C. ALL TELECOMMUNICATION CONDUITS, INTERIOR/EXTERIOR, TO BE EMT.
   - D. INSTALL PULL ROPES IN ALL NEW EMPTY CONDUITS INSTALLED ON THIS PROJECT.
   - E. ALL TELECOM CONDUITS AND PULL BOXES INSTALLED ON THIS PROJECT TO BE LABELED "T-MOBILE". OWNER WILL PROVIDE LABELS FOR CONTRACTOR TO INSTALL.
   - F. INTERIOR FEEDERS TO BE INSTALLED IN E.M.T. WITH STEEL COMPRESSION FITTINGS.
   - G. MINIMUM SIZE CONDUIT TO BE ¾" UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
   - H. FINAL CONNECTIONS TO MOTORS AND VIBRATING EQUIPMENT TO BE INSTALLED IN LIQUID-TIGHT FLEXIBLE METAL CONDUIT.
   - I. CONDUIT TO BE RUN CONCEALED IN CEILINGS, FINISHED AREAS OR DRYWALL PARTITIONS, UNLESS OTHERWISE NOTED.
   - J. THE ROUTING OF CONDUITS INDICATED ON THE DRAWINGS IS DIAGRAMMATIC. BEFORE INSTALLING ANY WORK, EXAMINE THE WORKING LAYOUTS AND SHOP DRAWINGS OF THE OTHER TRADES TO DETERMINE THE EXACT LOCATIONS AND CLEARANCES.
   - K. ALL EXTERIOR MOUNTING HARDWARE TO BE GALVANIZED STEEL. COORDINATE WITH BUILDING ENGINEER PRIOR TO ATTACHING TO BUILDING STRUCTURE.

RACEWAYS CONT'D

- L. PENETRATIONS OF WALLS, FLOORS AND ROOFS, FOR THE PASSAGE OF ELECTRICAL RACEWAYS, TO BE PROPERLY SEALED AFTER INSTALLATION OF RACEWAYS SO AS TO MAINTAIN THE STRUCTURAL OR WATERPROOF INTEGRITY OF THE WALL, FLOOR OR ROOF SYSTEM TO BE PENETRATED. SEAL ALL CONDUIT PENETRATIONS THROUGH FIRE OR SMOKE RATED WALLS, CEILINGS OR SMOKE TIGHT CORRIDOR PARTITIONS TO MAINTAIN PROPER RATING OF WALL OR CEILING.
- M. PROVIDE ALL CONDUIT ENDS WITH INSULATED METALLIC GROUNDING BUSHINGS.
- N. CONDUIT TO BE SUPPORTED AT MAXIMUM DISTANCE OF 8'-0", OR AS REQUIRED BY NEC, IN HORIZONTAL AND VERTICAL DIRECTIONS.
- O. PROVIDE STAINLESS STEEL BLANK COVER PLATES FOR ALL JUNCTION BOXES AND/OR OUTLET BOXES NOT USED IN EXPOSED AREAS. PROVIDE ALL OTHER UNUSED BOXES WITH STANDARD STEEL COVER PLATES.
- P. WHERE APPLICABLE, PROVIDE ROOFTOP CONDUIT SUPPORT SYSTEM, CONFORMING TO ROOFTOP WARRANTY REQUIREMENTS, PER BUILDING.

WIRES AND CABLES

1. CONTRACTOR TO COORDINATE WITH EQUIPMENT SUPPLIER AND VENDOR FOR EXACT EQUIPMENT OVER-CURRENT PROTECTION VOLTAGE, WIRE SIZE AND PLUG CONFIGURATION, IF APPLICABLE, PRIOR TO BID.
2. ALL EQUIPMENT/DEVICES TO BE PROVIDED WITH INSULATED GROUND CONDUCTOR.
3. ALL WIRE AND CABLE TO BE 600VOLT, COPPER, WITH THWN/THHN INSULATION, EXCEPT AS NOTED.
4. WIRE FOR POWER AND LIGHTING WILL NOT BE LESS THAN NO. 12AWG. ALL WIRE NO. 8 AND LARGER TO BE STRANDED.
5. CONTROL WIRING IS NOT TO BE LESS THAN NO. 14AWG, FLEXIBLE IN SINGLE CONDUCTORS OR MULTI-CONDUCTOR CABLES. CONTROL WIRING WILL CONSIST OF MULTI-CONDUCTOR CABLES WHEREVER POSSIBLE. CABLES TO BE PROVIDED WITH AN OVERALL FLAME-RETARDANT, EXTRUDED JACKET AND RATED FOR PLENUM USE. ALL CONTROL WIRE TO BE 600VOLT RATED.
6. WIRE PREVIOUSLY PULLED INTO CONDUIT IS CONSIDERED USED AND IS NOT TO BE RE-PULLED.
7. HOME RUNS AND BRANCH CIRCUIT WIRING FOR 20A, 120V CIRCUITS:

LENGTH (FT.)	HOME RUN WIRE SIZE
0 TO 50	NO. 12
51 TO 100	NO. 10
101 TO 150	NO. 8

8. VOLTAGE DROP IS NOT TO EXCEED 3%.
9. MAKE ALL CONNECTIONS WITH UL APPROVED, SOLDERLESS, PRESSURE TYPE INSULATED CONNECTORS: SCOTCHLOK OR AND APPROVED EQUAL.

WIRING DEVICES

1. ALL RECEPTACLES INSTALLED IN THIS PROJECT TO BE GROUNDING TYPE, WITH GROUNDING PIN SLOT CONNECTED TO DEVICE GROUND SCREW FOR GROUND WIRE CONNECTION.

DISCONNECT SWITCHES AND FUSES

1. DISCONNECT SWITCHES TO BE VOLTAGE-RATED TO SUIT THE CHARACTERISTICS OF THE SYSTEM FROM WHICH THEY ARE SUPPLIED.
2. PROVIDE HEAVY-DUTY, METAL-ENCLOSED, EXTERNALLY-OPERATED DISCONNECT SWITCHES, FUSED OR UNFUSED, OF SUCH TYPE AND SIZE AS REQUIRED TO PROPERLY PROTECT OR DISCONNECT THE LOAD FOR WHICH THEY ARE INTENDED.
3. PROVIDE NEMA 1 DISCONNECT SWITCHES FOR INTERIOR INSTALLATION, NEMA 3R FOR EXTERIOR INSTALLATION.
4. DISCONNECT SWITCHES TO BE MANUFACTURED BY:
   - A. GENERAL ELECTRIC COMPANY
   - B. SQUARE-D
5. PROVIDE RK-1 TYPE FUSES, UNLESS NOTED OTHERWISE.

INSTALLATION

1. INSTALL DISCONNECT SWITCHES WHERE INDICATED ON DRAWINGS.
2. INSTALL FUSES IN FUSIBLE DISCONNECT SWITCHES. FUSES MUST MATCH IN TYPE AND RATING.
3. FUSES TO BE MOUNTED SO THAT THE LABELS SHOWING THEIR RATINGS CAN BE READ WITHOUT REQUIRING FUSE REMOVAL.
4. FURNISH AND DEPOSIT SPARE FUSES AT THE JOB SITE AS FOLLOWS:
   - A. THREE SPARES FOR EACH TYPE AND SIZE, IN EXCESS OF 60A, USED FOR INITIAL FUSING.
   - B. TEN PERCENT SPARES FOR EACH TYPE AND SIZE, UP TO AND INCLUDING 60A, USED FOR INITIAL FUSING. IN NO CASE WILL LESS THAN THREE FUSES OF ONE PARTICULAR TYPE AND SIZE BE FURNISHED.

GENERAL NOTES:

INTENT

1. THESE SPECIFICATIONS AND CONSTRUCTION DRAWINGS ACCOMPANYING THEM DESCRIBE THE WORK TO BE DONE AND THE MATERIALS TO BE FURNISHED FOR CONSTRUCTION.
2. THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO BE FULLY EXPLANATORY AND SUPPLEMENTARY. HOWEVER, SHOULD ANYTHING BE SHOWN, INDICATED, OR SPECIFIED ON ONE AND NOT THE OTHER, IT SHALL BE DONE THE SAME AS IF SHOWN, INDICATED OR SPECIFIED IN BOTH
3. THE INTENTION OF THE DOCUMENTS IS TO INCLUDE ALL LABOR AND MATERIALS REASONABLY NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK AS STIPULATED IN THE CONTRACT.
4. THE PURPOSE OF THE SPECIFICATIONS IS TO INTERPRET THE INTENT OF THE DRAWINGS AND TO DESIGNATE THE METHOD OF THE PROCEDURE, TYPE AND QUALITY OF MATERIALS REQUIRED TO COMPLETE THE WORK.
5. MINOR DEVIATIONS FROM THE DESIGN LAYOUT ARE ANTICIPATED AND SHALL BE CONSIDERED AS PART OF THE WORK. NO CHANGES THAT ALTER THE CHARACTER OF THE WORK WILL BE MADE OR PERMITTED BY THE OWNER WITHOUT ISSUING A CHANGE ORDER.

CONFLICTS

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATIONS OF ALL MEASUREMENTS AT THE SITE BEFORE ORDERING ANY MATERIALS OR DOING ANY WORK. NO EXTRA CHARGE OR COMPENSATION SHALL BE ALLOWED DUE TO DIFFERENCE BETWEEN ACTUAL DIMENSIONS AND DIMENSIONS INDICATED ON THE CONSTRUCTION DRAWINGS. ANY SUCH DISCREPANCY IN DIMENSION WHICH MAY BE FOUND SHALL BE SUBMITTED TO THE OWNER FOR CONSIDERATION BEFORE THE CONTRACTOR PROCEEDS WITH THE WORK IN THE AFFECTED AREAS.
2. THE BIDDER, IF AWARDED THE CONTRACT, WILL NOT BE ALLOWED ANY EXTRA COMPENSATION BY REASON OF ANY MATTER OR THING CONCERNING SUCH BIDDER MIGHT HAVE FULLY INFORMED THEMSELVES PRIOR TO THE BIDDING.
3. NO PLEA OF IGNORANCE OF CONDITIONS THAT EXIST, OR OF DIFFICULTIES OR CONDITIONS THAT MAY BE ENCOUNTERED, OR OF ANY OTHER RELEVANT MATTER CONCERNING THE WORK TO BE PERFORMED IN THE EXECUTION OF THE WORK WILL BE ACCEPTED AS AN EXCUSE FOR ANY FAILURE OR OMISSION ON THE PART OF THE CONTRACTOR TO FULFILL EVERY DETAIL OF ALL THE REQUIREMENTS OF THE CONTRACT DOCUMENTS GOVERNING THE WORK.

CONTRACTS AND WARRANTIES

1. CONTRACTOR IS RESPONSIBLE FOR APPLICATION AND PAYMENT OF CONTRACTOR LICENSES AND BONDS.
2. SEE MASTER CONTRACTION SERVICES AGREEMENT FOR ADDITIONAL DETAILS.

STORAGE

1. ALL MATERIALS MUST BE STORED IN A LEVEL AND DRY FASHION AND IN A MANNER THAT DOES NOT NECESSARILY OBSTRUCT THE FLOW OF OTHER WORK. ANY STORAGE METHOD MUST MEET ALL RECOMMENDATIONS OF THE ASSOCIATED MANUFACTURER.

CLEANUP

1. THE CONTRACTORS SHALL, AT ALL TIMES, KEEP THE SITE FREE FROM ACCUMULATION OF WASTE MATERIALS OR RUBBISH CAUSED BY THEIR EMPLOYEES AT WORK AND AT THE COMPLETION OF THE WORK. THEY SHALL REMOVE ALL RUBBISH FROM AND ABOUT THE BUILDING AREA, INCLUDING ALL THEIR TOOLS, SCAFFOLDING AND SURPLUS MATERIALS AND SHALL LEAVE THEIR WORK CLEAN AND READY TO USE.
2. EXTERIOR
   - A. VISUALLY INSPECT EXTERIOR SURFACES AND REMOVE ALL TRACES OF SOIL, WASTE MATERIALS, SMUDGES AND OTHER FOREIGN MATTER.
   - B. REMOVE ALL TRACES OF SPLASHED MATERIALS FROM ADJACENT SURFACES.
   - C. IF NECESSARY, TO ACHIEVE A UNIFORM DEGREE OF CLEANLINESS, HOSE DOWN THE EXTERIOR OF THE STRUCTURE.
3. INTERIOR
   - A. VISUALLY INSPECT INTERIOR SURFACE AND REMOVE ALL TRACES OF SOIL, WASTE MATERIALS, SMUDGES AND OTHER FOREIGN MATTER FROM WALLS, FLOOR, AND CEILING.
   - B. REMOVE ALL TRACES OF SPLASHED MATERIALS FROM ADJACENT SURFACES.
   - C. REMOVE PAINT DROPPINGS, SPOTS, STAINS, AND DIRT FROM FINISHED SURFACES.

CHANGE ORDER PROCEDURE:

1. REFER TO SECTION 17 OF SIGNED MCSA: SEE PROFESSIONAL SERVICE AGREEMENT FOR MCSA.

RELATED DOCUMENTS AND COORDINATION

1. GENERAL CARPENTRY, ELECTRICAL AND ANTENNA DRAWINGS ARE INTERRELATED. IN PERFORMANCE OF THE WORK, THE CONTRACTOR MUST REFER TO ALL DRAWINGS. ALL COORDINATION TO BE THE RESPONSIBILITY OF THE CONTRACTOR.

SHOP DRAWINGS

1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AS REQUIRED AND LISTED IN THESE SPECIFICATIONS TO THE OWNER FOR APPROVAL.
2. ALL SHOP DRAWINGS SHALL BE REVIEWED, CHECKED AND CORRECTED BY CONTRACTOR PRIOR TO SUBMITTAL TO THE OWNER.

PRODUCTS AND SUBSTITUTIONS

1. SUBMIT 3 COPIES OF EACH REQUEST FOR SUBSTITUTION. IN EACH REQUEST, IDENTIFY THE PRODUCT OR FABRICATION OR INSTALLATION METHOD TO BE REPLACED BY THE SUBSTITUTION. INCLUDE RELATED SPECIFICATION SECTION AND DRAWING NUMBERS AND COMPLETE DOCUMENTATION SHOWING COMPLIANCE WITH THE REQUIREMENTS FOR SUBSTITUTIONS.
2. SUBMIT ALL NECESSARY PRODUCT DATA AND CUT SHEETS WHICH PROPERLY INDICATE AND DESCRIBE THE ITEMS, PRODUCTS AND MATERIALS BEING INSTALLED. THE CONTRACTOR SHALL, IF DEEMED NECESSARY BY THE OWNER, SUBMIT ACTUAL SAMPLES TO THE OWNER FOR APPROVAL IN LIEU OF CUT SHEETS.

QUALITY ASSURANCE

1. ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS. THESE SHALL INCLUDE, BUT NOT BE LIMITED TO THE APPLICABLE CODES SET FORTH BY THE LOCAL GOVERNING BODY. SEE "CODE COMPLIANCE" T-1.

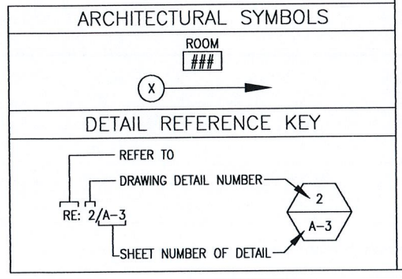
ADMINISTRATION

1. BEFORE THE COMMENCEMENT OF ANY WORK, THE CONTRACTOR WILL ASSIGN A PROJECT MANAGER WHO WILL ACT AS A SINGLE POINT OF CONTACT FOR ALL PERSONNEL INVOLVED IN THIS PROJECT. THIS PROJECT MANAGER WILL DEVELOP A MASTER SCHEDULE FOR THE PROJECT WHICH WILL BE SUBMITTED TO THE OWNER PRIOR TO THE COMMENCEMENT OF ANY WORK.
2. SUBMIT A BAR TYPE PROGRESS CHART, NOT MORE THAN 3 DAYS AFTER THE DATE ESTABLISHED FOR COMMENCEMENT OF THE WORK ON THE SCHEDULE, INDICATING A TIME BAR FOR EACH MAJOR CATEGORY OR UNIT OF WORK TO BE PERFORMED AT THE SITE, PROPERLY SEQUENCED AND COORDINATED WITH OTHER ELEMENTS OF WORK AND SHOWING COMPLETION OF THE WORK SUFFICIENTLY IN ADVANCE OF THE DATE ESTABLISHED FOR SUBSTANTIAL COMPLETION OF THE WORK.
3. PRIOR TO COMMENCING CONSTRUCTION, THE OWNER SHALL SCHEDULE AN ON-SITE MEETING WITH ALL MAJOR PARTIES. THIS WOULD INCLUDE, BUT NOT LIMITED TO, THE OWNER, PROJECT MANAGER, CONTRACTOR, LAND OWNER REPRESENTATIVE, LOCAL TELEPHONE COMPANY, TOWER ERECTION FOREMAN (IF SUBCONTRACTED).
4. CONTRACTOR SHALL BE EQUIPPED WITH SOME MEANS OF CONSTANT COMMUNICATIONS, SUCH AS A MOBILE PHONE OR A BEEPER. THIS EQUIPMENT WILL NOT BE SUPPLIED BY THE OWNER, NOR WILL WIRELESS SERVICE BE ARRANGED.
5. DURING CONSTRUCTION, CONTRACTOR MUST ENSURE THAT EMPLOYEES AND SUBCONTRACTORS WEAR HARD HATS AT ALL TIMES. CONTRACTOR WILL COMPLY WITH ALL WPCS SAFETY REQUIREMENTS IN THEIR AGREEMENT.
6. PROVIDE WRITTEN DAILY UPDATES ON SITE PROGRESS TO THE OWNER.
7. COMPLETE INVENTORY OF CONSTRUCTION MATERIALS AND EQUIPMENT IS REQUIRED PRIOR TO START OF CONSTRUCTION.
8. NOTIFY THE OWNER/PROJECT MANAGER IN WRITING NO LESS THAN 48 HOURS IN ADVANCE OF CONCRETE POURS, TOWER ERECTIONS, AND EQUIPMENT CABINET PLACEMENTS.

INSURANCE AND BONDS

1. CONTRACTOR, AT THEIR OWN EXPENSE, SHALL CARRY AND MAINTAIN, FOR THE DURATION OF THE PROJECT, ALL INSURANCE, AS REQUIRED AND LISTED, AND SHALL NOT COMMENCE WITH THEIR WORK UNTIL THEY HAVE PRESENTED AN ORIGINAL CERTIFICATE OF INSURANCE STATING ALL COVERAGES TO THE OWNER. REFER TO THE MASTER AGREEMENT FOR REQUIRED INSURANCE LIMITS.
2. THE OWNER SHALL BE NAMED AS AN ADDITIONAL INSURED ON ALL POLICIES.
3. CONTRACTOR MUST PROVIDE PROOF OF INSURANCE.

ARCHITECTURAL SYMBOLS



ABBREVIATIONS

ADJ	ADJUSTABLE
AGL	ABOVE GROUND LINE
&	AND
APPROX	APPROXIMATE
@	AT
BTS	BASE TRANSMISSION STATION
CAB	CABINET
CLG	CEILING
CONC	CONCRETE
CONT	CONTINUOUS
DIA OR ø	DIAMETER
DWG	DRAWING
EA	EACH
ELEC	ELECTRICAL
ELEV	ELEVATION
EQ	EQUAL
EQUIP	EQUIPMENT
EGB	EQUIPMENT GROUND BAR
(E)	EXISTING
EXT	EXTERIOR
FF	FINISHED FLOOR
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GRND	GROUND
LG	LONG
MAX	MAXIMUM
MECH	MECHANICAL
MW	MICROWAVE DISH
MFR	MANUFACTURER
MGB	MASTER GROUND BAR
MIN	MINIMUM
MTL	METAL
(N)	NEW
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OPP	OPPOSITE
(P)	PROPOSED
PCS	PERSONAL COMMUNICATION SYSTEM
PPC	POWER PROTECTION CABINET
SF	SQUARE FOOT
SHT	SHEET
SIM	SIMILAR
SS	STAINLESS STEEL
STL	STEEL
TOC	TOP OF CONCRETE
TOM	TOP OF MASONRY
TYP	TYPICAL
VIF	VERIFY IN FIELD
UON	UNLESS OTHERWISE NOTED
WWF	WELDED WIRE FABRIC
W/	WITH

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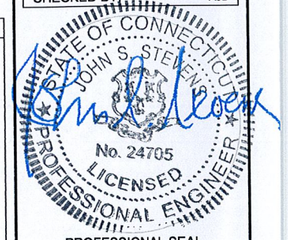
SUBMITTALS

DATE	DESCRIPTION	REVISION
4/24/13	REVIEW	A
5/3/13	FOR PERMIT	0

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

PROJECT NO:	317-0973
DRAWN BY:	EKM
CHECKED BY:	AJD



PROFESSIONAL SEAL

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

SITE NAME
CT11810A
SPECTRASITE - ANSONIA
401 WAKELEE AVENUE
ANSONIA, CT 06401

SHEET TITLE
GENERAL AND ELECTRICAL NOTES

SHEET NUMBER
N-1

SHEET 8 OF 8 SHEETS