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TS-CING-034-140220

February 19, 2014

VIA FEDERAL EXPRESS

Chairman Robin Stein and
Members of the Siting Council
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

Re: Tower Share Request - Docket 366
New Cingular Wireless PCS, LLC ("AT&T")
52 Stadley Rough Road, Danbury, Connecticut

Dear Chairman Stein and Members of the Siting Council:

Pursuant to Connecticut General Statutes (C.G.S.) § 16-50aa, New Cingular Wireless PCS, LLC ("AT&T"), hereby requests an order from the Connecticut Siting Council (the "Council") to approve the proposed shared use of a wireless telecommunications facility located at 52 Stadley Rough Road, Danbury, Connecticut (the "Site"). As set forth herein, AT&T's collocation satisfies all the criteria for tower sharing approval. Additionally, AT&T's proposed collocation qualifies as an eligible facility under federal law where state and local approvals are required. See 47 U.S.C. § 1455(a).

Existing Tower Facility

In Docket 366, the Siting Council issued a Certificate for the construction, maintenance and operation of a tower facility at the Site. The existing tower is located in the southwest corner of a Church property and consists of a 140' tall monopole with exterior flush mounted antennas. There are various existing

carrier flush mounted antennas at heights of 137', 117' and 97' on the tower. Carrier equipment is located within a fenced compound designed and approved as part of Docket 366. The tower facility is owned by SBA.

AT&T's Proposed Collocation

AT&T is licensed by the Federal Communications Commission ("FCC") to provide wireless services in this area of the State of Connecticut. AT&T proposes to install 6 panel antennas and related equipment flush mounted to the existing 140' tall monopole at a centerline height of approximately 107' above grade level ("AGL") along with additional equipment at 88' and 91' AGL. AT&T's proposed 12' by 24' unmanned equipment shelter will be located within the existing fenced compound. Additionally, AT&T proposes to install a natural gas emergency backup generator inside its proposed shelter. AT&T's proposed collocated facility is detailed in the drawing included in Attachment A, prepared by Dewberry Engineers, Inc., last revised December 30, 2013.

The Proposed Collocation Meets State and Federal Criteria for Approval

Connecticut General Statutes § 16-50aa provides that, upon written request for shared use approval, an order approving such use shall be issued, "if the council finds that the proposed shared use of the facility is technically, legally, environmentally and economically feasible and meets public safety concerns." (C.G.S. § 16-50aa(c)(1).) Further, upon approval of such shared use, it is exclusive and no local zoning or land use approvals are required C.G.S. § 16-50x. Shared use of the Docket 366 Facility satisfies the approval criteria set forth in C.G.S. § 16-50aa and U.S.C § 1455(a) as follows:

A. Technical Feasibility AT&T has confirmed that the tower is structurally capable of supporting the addition of AT&T's facility. Annexed hereto as Attachment B is a Structural Analysis, dated February 11, 2014, stamped by Bradley R. Newman, P.E., concluding that the existing monopole and foundation have the necessary capacity to support existing antennas, AT&T's proposed

antennas and equipment and that of future carriers. The proposed shared use of this tower is therefore technically feasible.

B. Legal Feasibility Pursuant to C.G.S. § 16-50aa, the Council has been authorized to issue an order approving shared use of the existing Facility. (C.G.S. § 16-50aa(c)(1)). An order by the Council approving the shared use of a tower is required and would permit AT&T to obtain a building permit for the proposed installation.

C. Environmental Feasibility The proposed shared use would have a minimal effect for the following reasons:

1. The proposed installation would be consistent with all other existing carrier antenna installations and would not cause any significant change or alteration in the physical or environmental characteristics of the existing facility.
2. AT&T's proposed facility consists of flush mounted antennas on the existing monopole in accordance with the Council's Certificate conditions and proposes no increase in tower height. AT&T's equipment shelter will be located within the existing fenced compound consistent with the approved D&M Plan on file with the Council. All other facility improvements approved in Docket 366, including landscaping, will remain as approved.
3. The proposed installation would comply with noise standards as set forth in the report included in Exhibit C;
4. Operation of AT&T's equipment at the Site would not exceed the total radio frequency electromagnetic radiation power density level adopted by the FCC and Connecticut Department of Health. A cumulative power density report is included in Attachment D.

D. Economic Feasibility AT&T and SBA have entered into a mutual agreement to share use of the Facility on terms agreeable to both parties. The proposed tower sharing is therefore economically feasible.

E. Public Safety The addition of AT&T's services in this area of Danbury through shared use of the Facility is expected to enhance the safety and welfare of local residents and travelers resulting in an improvement to public safety.

As set forth herein, AT&T's proposed wireless facility is wholly consistent with legislative findings outlined in Section 16-50aa of the General Statutes of Connecticut that seek to avoid the unnecessary proliferation of towers in the State and further meets federal criteria that require approval of collocations of facilities such as proposed herein by AT&T.

AT&T Generator & Notice

A natural gas generator is proposed by AT&T and is consistent with the Verizon facility approved by the Siting Council. As the Council is aware, Docket 366 was the subject of an appeal that resulted in a Superior Court Stipulation for Judgement ("Judgment"), dated January 6, 2010. Pursuant to paragraph 6 of the Judgment, AT&T has simultaneously noticed the parties thereto that it intends to deploy the generator as part of its collocation at the Site. AT&T will program the generator so that cycling times are between the hours of 9am and 5pm weekdays. Additionally, a letter of explanation from AT&T is included in Attachment E, with a copy of the notice, explaining that a fuel cell alternative is not available to AT&T at this time.

Conclusion

The proposed shared use of the Site issued a Certificate in Docket 366 satisfies the criteria set forth in C.G.S. § 16-50aa, advances the General Assembly's and the Siting Council's goal of preventing the proliferation of

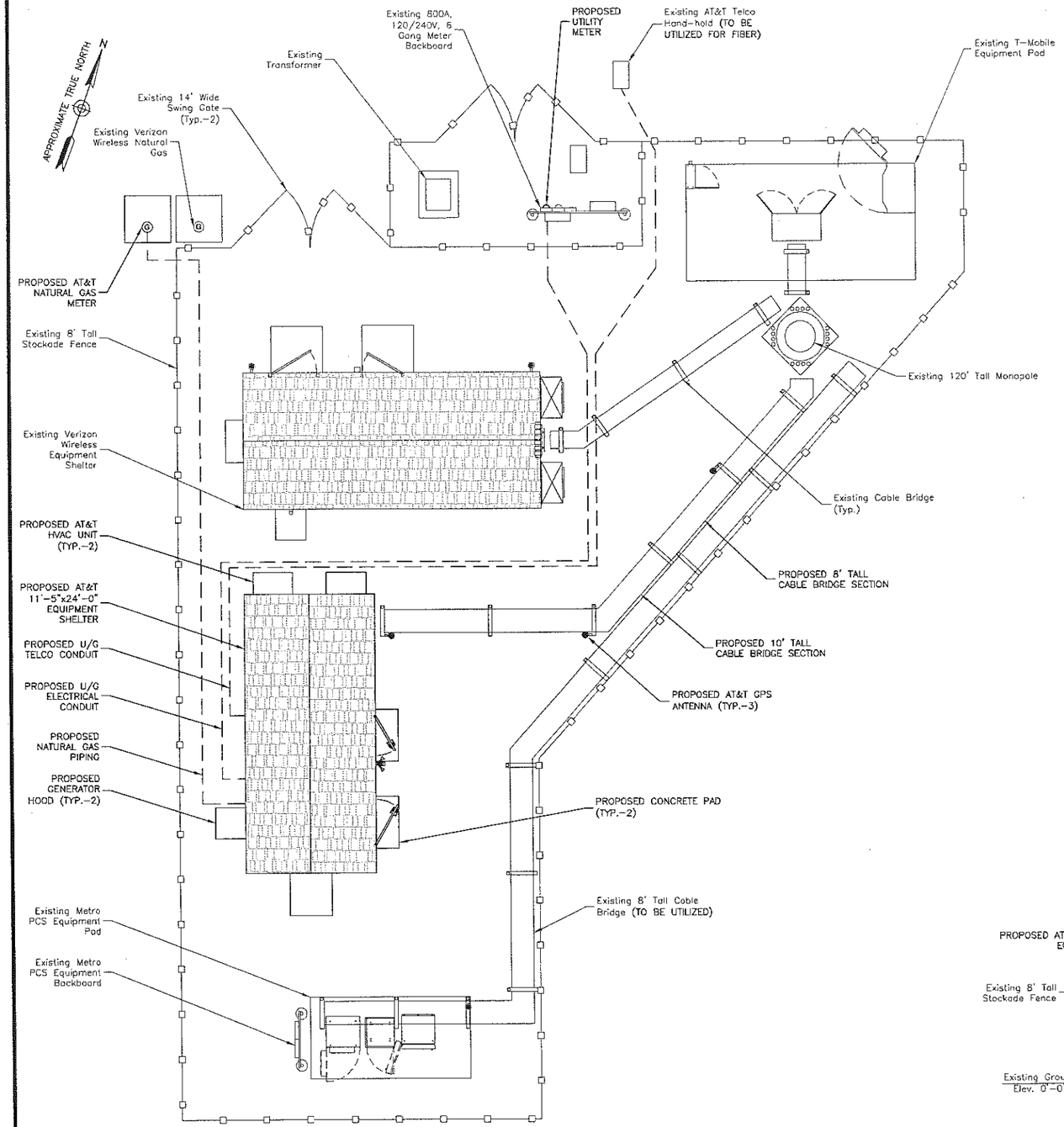
towers in the State of Connecticut, and is an eligible facility request requiring approval as a matter of federal law. AT&T requests the Siting Council issue an order approving the proposed shared use of the Site. Please do not hesitate to contact me if you should have any questions concerning this matter.

Respectfully Submitted,

Christopher B. Fisher

CBF/cv

cc: Honorable Mark D. Boughton, City Mayor
Mr. & Mrs. Carvalheiro
Michele Briggs, AT&T
Eric Dahl for AT&T



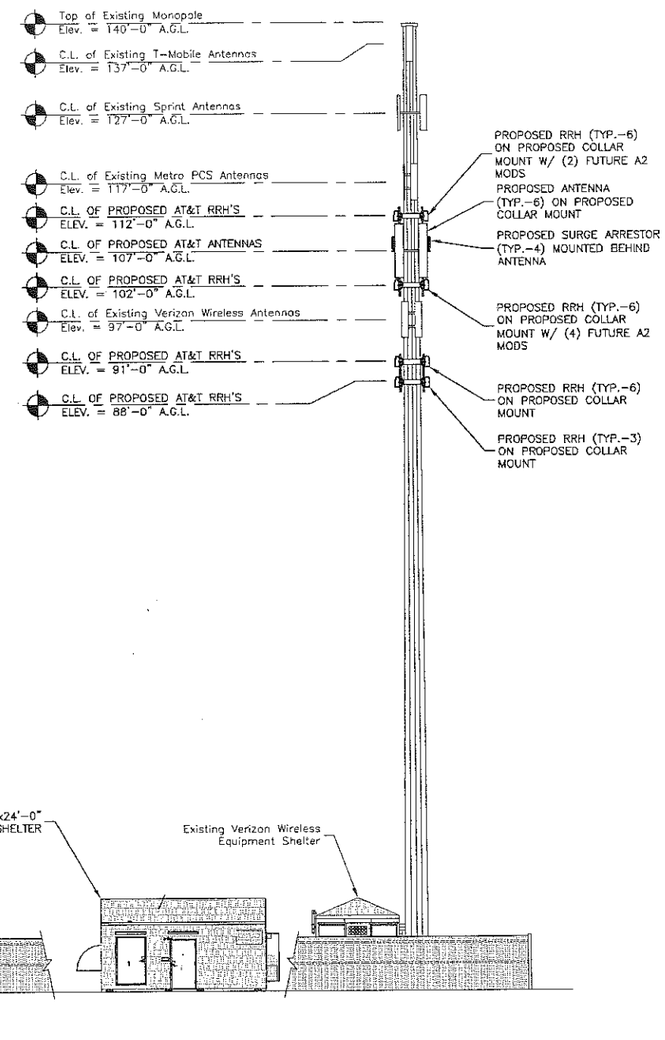
NOTES:

1. NORTH SHOWN AS APPROXIMATE.
2. NOT ALL INFORMATION SHOWN FOR CLARITY.
3. PLANS ARE CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.
4. TOWER STRUCTURAL ANALYSIS BY OTHERS.

CONCEPTUAL SITE PLAN — 1

SCALE: 3/32"=1'-0" FOR 11"x17"
3/16"=1'-0" FOR 22"x34"

0' 4' 8' 12'



ELEVATION — 2

SCALE: 3/64"=1' FOR 11"x17"
3/32"=1' FOR 22"x34"

0' 8' 16' 24'

at&t

SAI

CT2312D
SBA TOWER
CT13549

LEASE EXHIBIT		
5	02/18/14	REVISED RF DESIGN
4	12/30/13	REVISED RF DESIGN
3	11/22/13	REVISED SHELTER DESIGN
2	11/19/13	REVISED PER CSC DECISION
1	09/13/13	ISSUED FOR LEASE
0	08/23/13	ISSUED FOR LEASE
A	08/14/13	PRELIMINARY SUBMISSION

Dewberry

Dewberry Engineers Inc.
600 PARSIPPANY ROAD
SUITE 301
PARSIPPANY, NJ 07054
PHONE: 973.739.9400
FAX: 973.739.9710
COA 24GA28047600

ROBERT J. FOLEY, P.E.
CT LICENSE No. PEN.0029056

DRAWN BY:	JC
REVIEWED BY:	GHN
CHECKED BY:	GHN
PROJECT NUMBER:	50055106
JOB NUMBER:	50061002
SITE ADDRESS:	

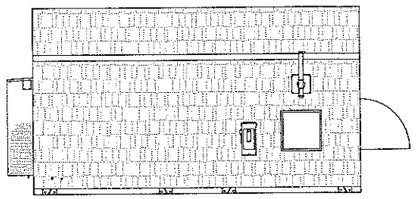
52 STADLEY ROUGH ROAD
DANBURY, CT 06811

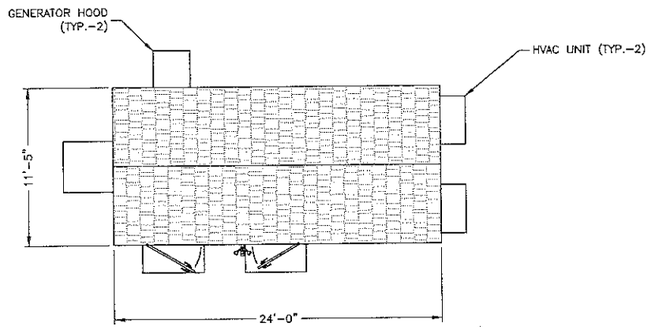
SHEET TITLE

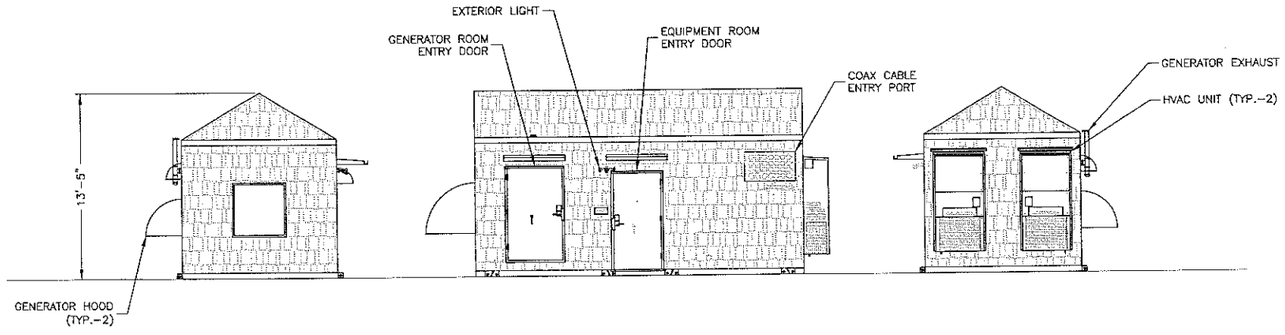
CONCEPTUAL SITE PLAN & ELEVATION

SHEET NUMBER

LE-1







EQUIPMENT SHELTER ELEVATION (1)

SCALE: 3/32"=1'-0" FOR 11"x17"
3/16"=1'-0" FOR 22"x34"

0' 4' 8' 12'

at&t

SAI

CT2312D
SBA TOWER
CT13549

LEASE EXHIBIT

5	02/18/14	REVISED RF DESIGN
4	12/30/13	REVISED RF DESIGN
3	11/22/13	REVISED SHELTER DESIGN
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ROBERT J. FOLEY, P.E.
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DRAWN BY:	JC
REVIEWED BY:	GHN
CHECKED BY:	GHN
PROJECT NUMBER:	50055106
JOB NUMBER:	50061002
SITE ADDRESS:	

52 STADLEY ROUGH ROAD
DANBURY, CT 06811

SHEET TITLE

SHELTER ELEVATIONS

SHEET NUMBER

LE-2

Structural Analysis for SBA Network Services, Inc.

139' Monopole Tower

SBA Site Name: Danbury 1
SBA Site ID: CT13549-S-01
New Cingular Site Name: Brookfield West

FDH Project Number 1422CH1400

Analysis Results

Tower Components	94.4%	Sufficient
Foundation	99.9%	Sufficient

Prepared By:

Jarel Duncan

Jarel Duncan, EI
Project Engineer

Reviewed By:

Bradley R. Newman, PE
Senior Project Engineer
CT PE License No. 29630

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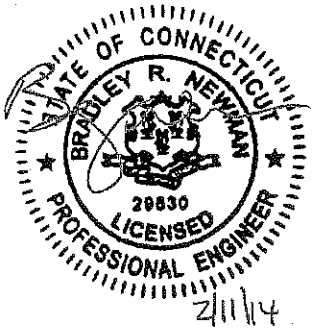

February 11, 2014

Prepared pursuant to TIA/EIA-222-F Structural Standards for Steel Antenna Towers and Antenna Supporting Structures and 2005 Connecticut Building Code

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EXECUTIVE SUMMARY

At the request of SBA Network Services, Inc., FDH Engineering, Inc. performed a structural analysis of the monopole located in Danbury, CT to determine whether the tower is structurally adequate to support both the existing and proposed loads pursuant to the *Structural Standards for Steel Antenna Towers and Antenna Supporting Structures, TIA/EIA-222-F* and *2005 Connecticut Building Code*. Information pertaining to the existing/proposed antenna loading, current tower geometry, foundation dimensions, geotechnical data, and member sizes was obtained from:

- ❑ Sabre Towers & Poles (Job No. 10-01206) Structural Design Report dated January 28, 2010
- ❑ Tower Engineering Professionals (Project 091184.01) Subsurface Exploration Report dated May 13, 2009
- ❑ SBA Network Services, Inc.

The *basic design wind speed* per the *TIA/EIA-222-F* standards and *2005 Connecticut Building Code* is 85 mph without ice and 38 mph with 3/4" radial ice. Ice is considered to increase in thickness with height.

Conclusions

With the existing and proposed antennas from New Cingular in place at 112 ft, 107 ft, 102 ft, 91 ft, and 88 ft, the tower meets the requirements of the *TIA/EIA-222-F* standards and *2005 Connecticut Building Code* provided the **Recommendations** listed below are satisfied. Furthermore, provided the foundation is designed and constructed to support the original design reactions (see Sabre Towers & Poles Job No. 10-01206), the foundation should have the necessary capacity to support the reserved and proposed loading. For a more detailed description of the analysis of the tower, see the **Results** section of this report.

Our structural analysis has been performed assuming all information provided to FDH Engineering, Inc. is accurate (i.e., the steel data, tower layout, existing antenna loading, and proposed antenna loading) and that the tower has been properly erected and maintained per the original design drawings.

Recommendations

To ensure the requirements of the *TIA/EIA-222-F* standards and *2005 Connecticut Building Code* are met with the existing and proposed loading in place, we have the following recommendations:

1. The proposed coax should be installed inside the monopole's shaft.
2. RRU/RRH Stipulation: The proposed equipment may be installed in any arrangement determined by the client.

APPURTENANCE LISTING

The proposed and existing antennas with their corresponding cables/coax lines are shown in **Table 1**. *If the actual layout determined in the field deviates from the layout, FDH Engineering, Inc. should be contacted to perform a revised analysis.*

Table 1 - Appurtenance Loading

Existing Loading:

Antenna Elevation (ft)	Description	Coax and Lines[1]	Carrier	Mount Elevation (ft)	Mount Type
137	(3) Ericsson Air 21 B2A/B4P (3) Ericsson KRY 112 144/1 TMAs	(12) 1-5/8" (1) 1-5/8" Fiber	T-Mobile	137	Flush
127	(6) Decibel DB848H90E-XY	(12) 1-5/8"	Sprint	127	Flush
117	(3) Kathrein 800-10504 (3) Kathrein 742-351	(12) 1-5/8"	Metro PCS	117	Flush
107	(3) Andrew SBNHH-1D6565B (3) Ericsson KRC 118 005/1 (15) Ericsson RRUS (3) Raycap DC6-48-60-18-8F Surge Suppressors	(8) 3/4" DC (2) 1/2" Fiber	New Cingular	107	(1) Commscope MC-HPM1250-B Standoff Mount (1) Commscope RR-RM1560 Collar Mount
97	(3) Antel BXA-70063/6CF (3) Andrew DBXNH-6565A-VTM (3) Antel BXA-171063/12CF (3) ALU RRH 2X40-AWS RRHs (6) RFS FD9R6004/2C-3L Diplexers (1) RFS DB-T1-6Z-8AB-OZ Junction Box	(12) 1-5/8" (1) 1-5/8" Fiber	Verizon	97	Flush

1. Coax installed inside pole's shaft unless otherwise noted.

Proposed Loading:

Antenna Elevation (ft)	Description	Coax and Lines	Carrier	Mount Elevation (ft)	Mount Type
112	(6) Ericsson RRUS (2) Ericsson RRUS A2 Modules	(8) 3/4" DC (3) 3/8" RET (2) 1/2" Fiber	New Cingular	112	(1) Commscope RR-RM1560 Collar Mount
107	(4) CCI OPA-65R-BUU-H8 (2) CCI HPA-65R-BUU-H8 (4) Raycap DC6-48-60-18-8F Surge Arrestors			107	(1) Commscope MC-HPM1250-B Standoff Mount
102	(6) Ericsson RRUS (2) Ericsson RRUS A2 Modules			102	(1) Commscope RR-RM1560 Collar Mount
91	(6) Ericsson RRUS			91	(1) Commscope RR-RM1560 Collar Mount
88	(3) Ericsson RRUS			88	(1) Commscope RR-RM1560 Collar Mount

RESULTS

The following yield strength of steel for individual members was used for analysis:

Table 2 - Material Strength

Member Type	Yield Strength
Tower Shaft Sections	65 ksi
Base Plate	50 ksi
Anchor Bolts	75 ksi

Table 3 displays the summary of the ratio (as a percentage) of force in the member to their capacities. Values greater than 100% indicate locations where the maximum force in the member exceeds its capacity. *Note: Capacities up to 100% are considered acceptable.* **Table 4** displays the maximum foundation reactions.

If the assumptions outlined in this report differ from actual field conditions, FDH Engineering, Inc. should be contacted to perform a revised analysis. Furthermore, as no information pertaining to the allowable twist and sway requirements for the existing or proposed appurtenances was provided, deflection and rotation were not taken into consideration when performing this analysis.

See the **Appendix** for detailed modeling information.

Table 3 - Summary of Working Percentage of Structural Components

Section No.	Elevation ft	Component Type	Size	% Capacity*	Pass Fail
L1	139 - 98.75	Pole	TP25.3x16x0.1875	46.5	Pass
L2	98.75 - 48.5	Pole	TP36.53x24.1741x0.25	94.4	Pass
L3	48.5 - 0	Pole	TP47.23x34.933x0.3125	89.6	Pass
		Anchor Bolts	(12) 2.25" Ø w/ BC = 53.5"	58.8	Pass
		Base Plate	51.5" SQ PL x 2.75" thk.	77.1	Pass

*Capacities include a 1/3 allowable stress increase for wind.

Table 4 - Maximum Base Reactions

Base Reactions	Current Analysis *(TIA/EIA-222-F)*	Original Design *(TIA/EIA-222-F)*
Axial	23 k	22 k
Shear	22 k	21 k
Moment	2,071 k-ft	2,074 k-ft

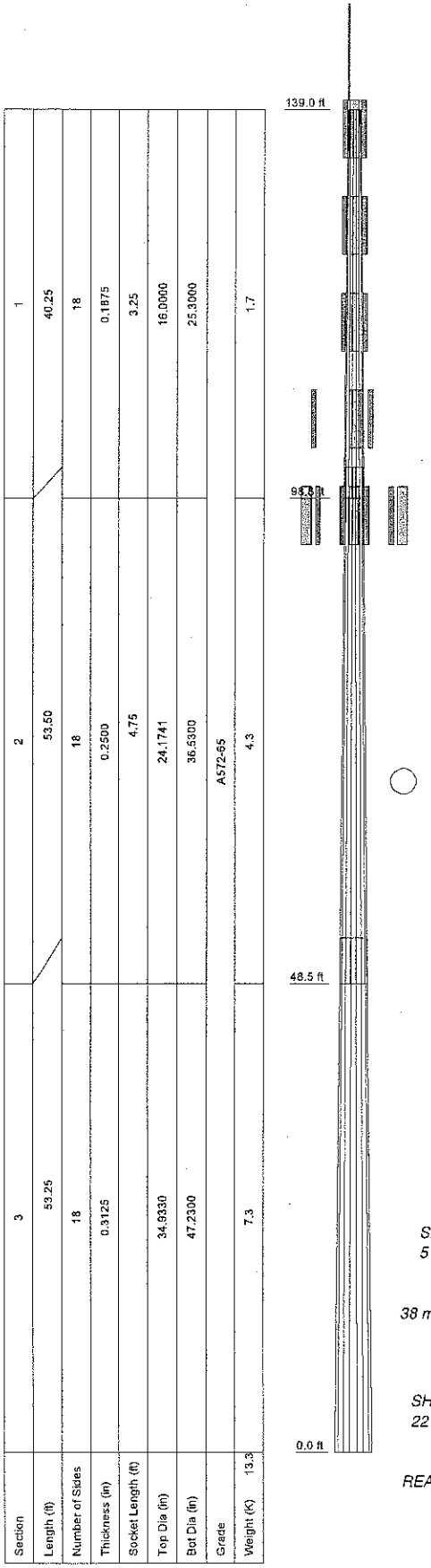
GENERAL COMMENTS

This engineering analysis is based upon the theoretical capacity of the structure. It is not a condition assessment of the tower and its foundation. It is the responsibility of SBA Network Services, Inc. to verify that the tower modeled and analyzed is the correct structure (with accurate antenna loading information) modeled. If there are substantial modifications to be made or the assumptions made in this analysis are not accurate, FDH Engineering, Inc. should be notified immediately to perform a revised analysis.

LIMITATIONS

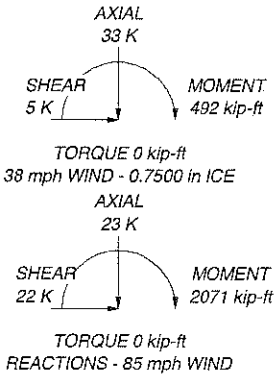
All opinions and conclusions are considered accurate to a reasonable degree of engineering certainty based upon the evidence available at the time of this report. All opinions and conclusions are subject to revision based upon receipt of new or additional/updated information. All services are provided exercising a level of care and diligence equivalent to the standard and care of our profession. No other warranty or guarantee, expressed or implied, is offered. Our services are confidential in nature and we will not release this report to any other party without the client's consent. The use of this engineering work is limited to the express purpose for which it was commissioned and it may not be reused, copied, or distributed for any other purpose without the written consent of FDH Engineering, Inc.

APPENDIX



Section	1	2	3
Length (ft)	40.25	53.50	53.25
Number of Sides	18	18	18
Thickness (in)	0.1875	0.2500	0.3125
Socket Length (ft)	3.25	4.75	
Top Dia (in)	16.0000	24.1741	34.9330
Bot Dia (in)	25.3000	36.5300	47.2300
Grade	A572-65	A572-65	A572-65
Weight (K)	1.7	4.3	7.3

13.3



DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
Lightning Rod	140	(2) RRUS	102
AIR 21 B2A/B4P w/Mount Pipe	137	(2) RRUS	102
AIR 21 B2A/B4P w/Mount Pipe	137	(2) RRUS	102
AIR 21 B2A/B4P w/Mount Pipe	137	RRUS A2 MODULE	102
KRY 112 144/1	137	RRUS A2 MODULE	102
KRY 112 144/1	137	Commscope RR-RM1560	102
KRY 112 144/1	137	DBXNH-6565A-VTM w/ Mount Pipe	97
(2) DB848H90E-XY w/Mount Pipe	127	BXA-171063/12CF w/ Mount Pipe	97
(2) DB848H90E-XY w/Mount Pipe	127	BXA-171063/12CF w/ Mount Pipe	97
(2) DB848H90E-XY w/Mount Pipe	127	BXA-171063/12CF w/ Mount Pipe	97
800-10504 w/ mount pipe	117	RRH2X40-AWS	97
800-10504 w/ mount pipe	117	RRH2X40-AWS	97
800-10504 w/ mount pipe	117	RRH2X40-AWS	97
742-351 w/ mount pipe	117	(2) FD9R6004/2C-3L Diplexer	97
742-351 w/ mount pipe	117	(2) FD9R6004/2C-3L Diplexer	97
742-351 w/ mount pipe	117	(2) FD9R6004/2C-3L Diplexer	97
(2) RRUS	112	DB-T1-6Z-8AB-0Z	97
(2) RRUS	112	BXA-70063/6CF w/ mount pipe	97
(2) RRUS	112	BXA-70063/6CF w/ mount pipe	97
RRUS A2 MODULE	112	BXA-70063/6CF w/ mount pipe	97
RRUS A2 MODULE	112	DBXNH-6565A-VTM w/ Mount Pipe	97
Commscope RR-RM1560	112	DBXNH-6565A-VTM w/ Mount Pipe	97
HPA-65R-BUU-H8 w/ Mount Pipe	107	(2) RRUS	91
HPA-65R-BUU-H8 w/ Mount Pipe	107	(2) RRUS	91
OPA-65R-BUU-H8 w/ Mount Pipe	107	(2) RRUS	91
OPA-65R-BUU-H8 w/ Mount Pipe	107	Commscope RR-RM1560	91
(2) OPA-65R-BUU-H8 w/ Mount Pipe	107	RRUS	88
DC6-48-60-18-8F	107	RRUS	88
DC6-48-60-18-8F	107	RRUS	88
(2) DC6-48-60-18-8F	107	Commscope RR-RM1560	88
Commscope MC-HPM1250-B	107		

MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-65	65 ksi	80 ksi			

TOWER DESIGN NOTES

1. Tower is located in Fairfield County, Connecticut.
2. Tower designed for a 85 mph basic wind in accordance with the TIA/EIA-222-F Standard.
3. Tower is also designed for a 38 mph basic wind with 0.75 in ice. Ice is considered to increase in thickness with height.
4. Deflections are based upon a 50 mph wind.
5. TOWER RATING: 94.4%

FDH Engineering, Inc.
6521 Meridien Drive
Raleigh, NC 27616
Phone: (919) 755-1012
FAX: (919) 755-1031
Tower Analysis

Job: Danbury 1, CT13549-S-01			
Project: 1422CH1400			
Client: SBA Network Services, Inc.	Drawn by: Jarel Duncan	App'd:	
Code: TIA/EIA-222-F	Date: 02/11/14	Scale: NTS	
Path:		Dwg No. E-1	

HMB

HMB Acoustics LLC 3 CherryTree Lane, Avon, Ct. 06001 860-677-5955

Noise Evaluation Report
AT&T Mobility
52 Stadley Rough Road
Danbury, Ct.

February 7, 2014

Prepared For:
Harry M. Rocheville
Civil Engineer
Centek Engineering, Inc.
63-2 North Branford Road
Branford, Ct.

Prepared By:
Allan Smardin
HMB Acoustics LLC
3 Cherry Tree Lane
Avon, Ct.

Noise Level Standards -

- At residential property lines
- 55 dBA daytime
- 45 dBA nighttime

(Sec. 12-14 (2)

Exclusions -

- Noise created as a result of an emergency. (Sec. 12-14 G (5)).

Noise Evaluation Results

TABLE 1 lists the dBA values for the two AT&T air-conditioner units (A1 & A2); and for the two Verizon air-conditioner units (V1 & V2) at various property lines. The noise levels for the four units were calculated while they were running separately. Typically, only one of the two units operates at any one time. The noise level was then projected to each property line. The resultant noise level was compared to the Danbury noise regulations. The Regulations allow a noise level of 55 dBA (daytime) and 45 dBA (nighttime), when measured at a residential receptor's property line.

TABLE 1

	dBA Levels			
	AT&T Air-Conditioners		Verizon Air-Conditioners	
Property Line	A1	A2	V1	V2
North	16	16	29	27
South	33	33	40	42
East	28	27	29	29
West	43	43	33	33

TABLE 2 lists the dBA values, at each property line, with the generator running.

Property Line	AT&T Generator (dBA Levels)
North	24
South	40
East	28
West	45

There is no additive effect between the AT&T generator and the HVAC unit.
The dBA levels take into account the acoustical shielding effect provided by other structures on the property.

The existing T-Mobile and Metro PCS pad mounted equipment is inaudible at a distance of 20 feet.

I find that the HVAC units and the AT&T generator meet the conditions for compliance as set forth in the Regulations at all property lines. In addition, I find that the air-conditioner units and the generators, on both equipment shelters, will not interfere with each other acoustically.

at&t
Your world. Delivered.

February 10, 2014

Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051
Attn: Ms. Melaine Bachman, Acting Executive Director

RE: New Cingular Wireless PCS, LLC – Tower Share Request/Generator Statement
52 Stadley Rough Road, Danbury, CT

Dear Ms. Bachman:

Due to the electric load requirements associated with its radio equipment and shelter heating and cooling systems, New Cingular Wireless PCS, LLC d/b/a AT&T Mobility ("AT&T") does not intend to utilize a fuel cell for its backup power supply. Natural gas fuel cells are typically used at larger sites (like central offices) to supplement electrical power demands from the grid and are used 24/7 as opposed to as a source of backup power. Indeed, those types of large commercial units are typically 200kw plus facilities with a large footprint (similar to an entire tower site compound) with costs well in excess of those feasible for a backup power source at a wireless facility. Accordingly, a fuel cell is not a practical or feasible backup power source for AT&T at this site at this time.

As part of AT&T's continuity planning for its network service during times that CL&P commercial power supply is interrupted, AT&T is planning to provide the site with a natural gas generator. The unit is consistent with the Verizon facility approved by the Siting Council. A noise study has been prepared and mitigation measures will be employed to further reduce noise during routine cycling of the unit and during emergencies.

If you have any questions or concerns, please feel free to contact me directly.

Sincerely,

Jay Foster

Jay Foster
Director Construction and Engineering - Staff Support - Northeast
Office: 203.771.0200 | Cell: 865.622.1208 | Email: jf2130@att.com

Michael Lawton
SAI Communications
260 Cedar Hill St.
Marlborough, MA 01752
Mike.Lawton@sai-comm.com

February 7, 2014

Connecticut Siting Council

Subject: AT&T Wireless, CT2312 – Danbury Pinnacle Way

Dear Connecticut Siting Council:

At the request of AT&T Wireless, SAI Communications has performed a cumulative assessment of the RF Power Density at the proposed site located at 52 Stadley Rough Road, Danbury, CT.
Calculations were done in compliance with FCC OET Bulletin 65. This report provides an FCC compliance assessment based on a "worst-case" analysis that all transmitters are simultaneously operating at full power and pointing directly at the ground.

FCC OET Bulletin 65 formula:

$$S = \frac{2.56 * 1.64 * ERP}{4 * \pi * R^2}$$

Transmission Mode	Antenna Centerline AGL (ft)	Frequency (MHz)	Number of Channels	Effective Radiated Power per Channel (Watts)	Power Density (mW/cm^2)	Standard Limits (mW/cm^2)	% MPE (Uncontrolled/ General Public)
T-Mobile GSM/UMTS	137	1950	4	10.80	0.0008	1	0.08%
T-Mobile UMTS/LTE	137	2100	4	12.00	0.0009	1	0.09%
MetroPCS	117	2140	3	443.61	0.0350	1	3.50%
Verizon PCS	97	1970	11	274.00	0.1152	1	11.52%
Verizon cellular	97	869	9	273.00	0.0939	0.5793	16.21%
Verizon AWS	97	2145	1	670.00	0.0256	1	2.56%
Verizon LTE	97	698	2	866.00	0.0662	0.4653	14.22%
AT&T UMTS	107	850	2	500.00	0.0314	0.5667	5.54%
AT&T UMTS	107	1900	2	500.00	0.0314	1	3.14%
AT&T LTE	107	700	2	500.00	0.0314	0.4667	6.73%
AT&T LTE	107	2100	2	500.00	0.0314	1	3.14%
Total							66.74%

Conclusion: AT&T's proposed antenna installation is calculated to be within 66.74% of FCC Standard for General Public/Uncontrolled Maximum Permissible Exposure (MPE).

Sincerely,

Michael Lawton
SAI Communications

CUDDY & FEDER LLP

445 Hamilton Avenue, 14th Floor
White Plains, New York 10601
Tel 914.761.1300 Fax 914.761.5372
www.cuddyfeder.com

February 19, 2014

Via Federal Express
City of Danbury
Robin L. Edwards Esq., Assistant Corporation Counsel
155 Deer Hill Avenue
Danbury, CT 06810

Re: AT&T Proposed Shared Use of the Existing Telecommunications Facility
52 Stadley Rough Road, Danbury, Connecticut

Dear Attorney Edwards:

On behalf of our client, New Cingular Wireless PCS, LLC ("AT&T"), please allow this letter to serve as notification of AT&T's intent to file a Tower Share Request with the Connecticut Siting Council ("Council") pursuant to the provisions of CGS Section 16-50aa, to permit the shared use of the existing SBA telecommunications facility located at 52 Stadley Rough Road in Danbury, Connecticut.

AT&T proposes to install panel antennas and related equipment flush mounted to the existing 140' tall monopole without increasing the height of the tower. AT&T's proposed 12' by 24' unmanned equipment shelter will be located within the existing fenced compound. Additionally, AT&T proposes to install a natural gas emergency backup generator inside its proposed shelter. AT&T's entire proposed facility will be located within the existing fenced compound as approved/designed.

This notice is being sent to you pursuant to the requirements of paragraph 6 of the Stipulation for Judgement ("Stipulation"), dated January 6, 2010, between the City of Danbury, Jose Carvalheiro and Christina Carvalheiro, as plaintiffs and the State of Connecticut Siting Council, Optasite Towers LLC (now SBA Towers II, LLC) and Omnipoint Communications, Inc., as defendents. Attached please find a letter from AT&T providing a detailed explanation as to why AT&T cannot practically utilize fuel cells for its emergency backup power supply at this site. In lieu of a fuel cell, AT&T proposes to install a natural gas fired generator inside its proposed shelter, similar to Verizon's installation previously approved by the Council. To address noise concerns raised in Docket 366, AT&T has incorporated noise attenuation measures to limit impacts on adjacent properties. A copy of AT&T's current drawings are also enclosed.

CUDDY& FEDER LLP

If you have any questions regarding AT&T's proposal, please do not hesitate to contact me and note that the tower share filing will be copied to the City.

Very truly yours,

Christopher B. Fisher, Esq.

CBF/cv

cc: Jose and Christina Carvalheiro
Melanie Bachman, Executive Director Connecticut Siting Council
Michele Briggs, AT&T

TS-CING-039-140220

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Christopher B. Fisher, Esq.

CBF/cv
cc: Jose and Christina Carvalheiro
Melanie Bachman, Executive Director Connecticut Siting Council
Michele Briggs, AT&T

at&t
your world. delivered.

February 10, 2014

Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051
Attn: Ms. Melaine Bachman, Acting Executive Director

RE: New Cingular Wireless PCS, LLC – Tower Share Request/Generator Statement
52 Stadley Rough Road, Danbury, CT

Dear Ms. Bachman:

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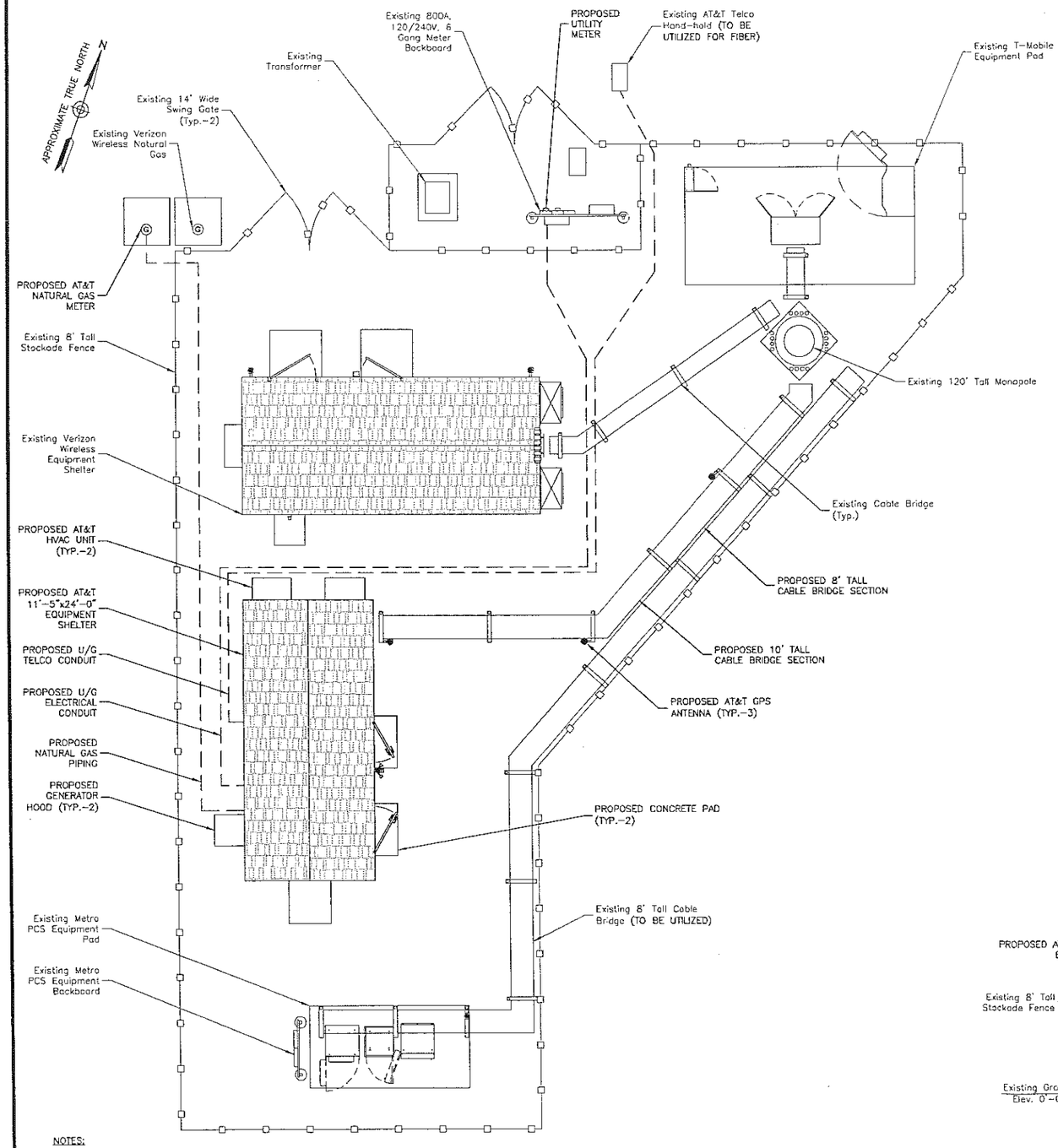


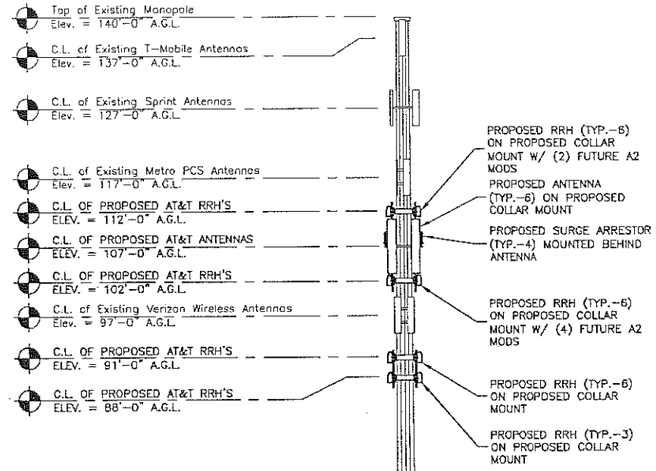
NOTES:

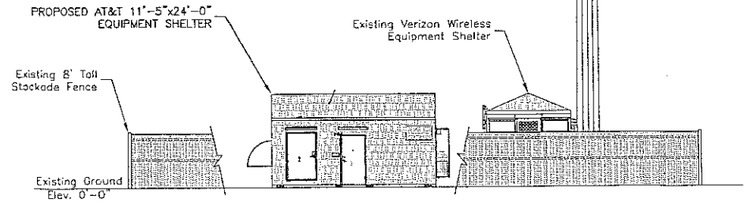
1. NORTH SHOWN AS APPROXIMATE.
2. NOT ALL INFORMATION SHOWN FOR CLARITY.
3. PLANS ARE CONCEPTUAL AND NOT INTENDED FOR CONSTRUCTION.
4. TOWER STRUCTURAL ANALYSIS BY OTHERS.

CONCEPTUAL SITE PLAN 1

SCALE: 3/32"=1'-0" FOR 11"x17"
3/16"=1'-0" FOR 22"x34"

0' 4' 8' 12'





ELEVATION 2

SCALE: 3/64"=1' FOR 11"x17"
3/32"=1' FOR 22"x34"

0' 8' 16' 24'

at&t

SAI

CT2312D
SBA TOWER
CT13549

LEASE EXHIBIT

5	02/18/14	REVISED RF DESIGN
4	12/30/13	REVISED RF DESIGN
3	11/22/13	REVISED SHELTER DESIGN
2	11/19/13	REVISED PER CSC DECISION
1	09/13/13	ISSUED FOR LEASE
0	08/23/13	ISSUED FOR LEASE
A	08/14/13	PRELIMINARY SUBMISSION

Dewberry®
Dewberry Engineers Inc.
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COA 24GA28047600

ROBERT J. FOLEY, P.E.
CT LICENSE No. PEN.0029056

DRAWN BY:	JC
REVIEWED BY:	GHN
CHECKED BY:	GHN
PROJECT NUMBER:	50055106
JOB NUMBER:	50061002
SITE ADDRESS:	

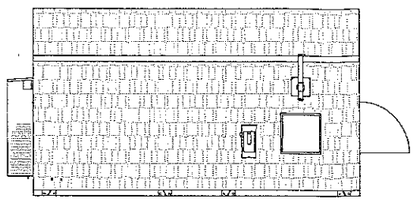
52 STADLEY ROUGH ROAD
DANBURY, CT 06811

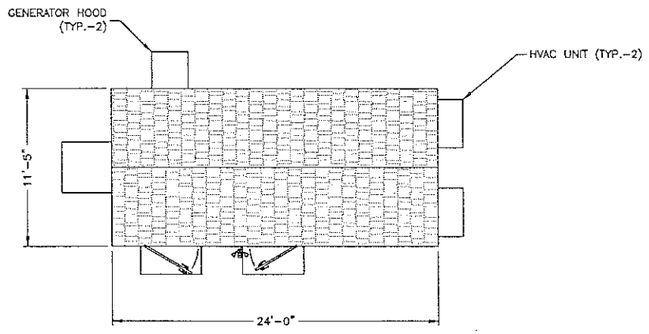
SHEET TITLE

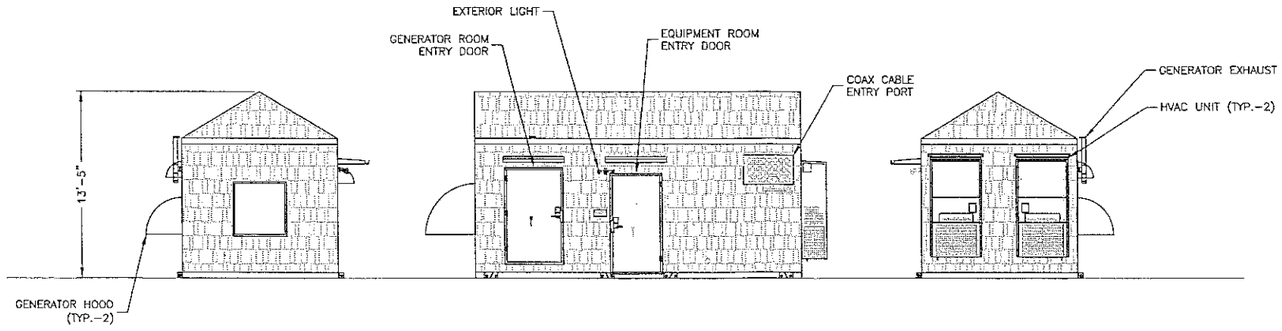
CONCEPTUAL SITE PLAN & ELEVATION

SHEET NUMBER

LE-1







EQUIPMENT SHELTER ELEVATION 1

SCALE: 3/32"=1'-0" FOR 11"x17"
3/16"=1'-0" FOR 22"x34"

0' 4' 8' 12'

at&t

SAI

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SHEET TITLE

SHELTER ELEVATIONS

SHEET NUMBER

LE-2