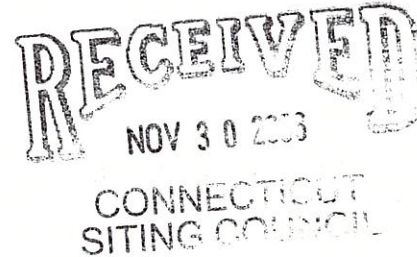




Mr. Daniel F. Caruso, Chairman
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051



Dear Chairman Caruso:

Enclosed please find one original and 25 copies of a Notice of Intent to Modify an Exempt Tower and Associated Equipment for an existing telecommunications facility owned by American Tower Corp("ATC"). The enclosed notice is submitted pursuant to a lease with ATC which permit Nextel of the Mid-Atlantic, Inc.("Nextel") the shared use of the existing tower located at Nott Road, Lot 10 Franklin CT 06254..

The enclosed notice and attached materials detail how the addition of Nextel's antennas and other equipment at the tower site meet all of the criteria set forth in Section 16-50j-72(b)(2) of the Regulations of Connecticut State Agencies and therefore is an exempt modification pursuant to Section 16-50j-53 of the regulations.

Thank you in advance for your consideration of the enclosed Notice of Intent.

A handwritten signature in black ink, appearing to read 'A. Cowher'.

Aaron Cowher

ORIGINAL

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CONNECTICUT
SITING COUNCIL

EM-NEXTEL-053-061130

**Nott Road (Lot10),
Franklin CT 06254**

Pursuant to Section 15-59I(a)(5) of the Connecticut General Statutes and Section 16-50j-72(b)(2), as amended, of the Regulations of Connecticut State Agencies, Nextel of the Mid-Atlantic, Inc. d/b/a Nextel Communications ("Nextel") hereby notifies the Connecticut Siting Council of its intent to modify an existing communications facility located on Nott Road, Franklin, CT which is owned and operated by American Tower Systems L.P.. This notice is being provided by Nextel, as lessee, on behalf of and pursuant to a lease with American Tower Systems L.P.

Background

The Nott Road facility is an existing 300' Guyed Tower. Nextel currently has (9) antennas currently installed at the height of 180'.

Discussion

Nextel plans to install 3 new antennas 1 per sector at the current height of 180'. The associated radio equipment will be installed within the existing compound. The power density information and related calculations are presented on the following pages.

Conclusion

The proposed addition does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes Section 16-50I(d). The addition of Nextel's equipment to the tower will not result in an increase in the tower's height or extend the boundaries of the site. Further, there will be no increase in noise levels by (6) decibels or more at the site's boundaries and the total radio frequency electromagnetic radiation is not at or above the standard set forth in Section 22 (a)-162 of the Connecticut General Statutes. This addition will also not have a substantially adverse environmental effect.

For the reasons discussed above, Nextel requests that the Connecticut Siting Council acknowledge that this Notice of Intent meets the Council's exemption criteria.

PASSED



AMERICAN TOWER™
C O R P O R A T I O N

Structural Analysis Report

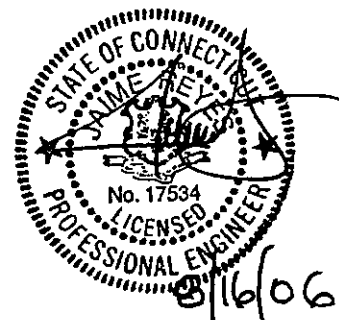
Structure : 300 ft FWT Guyed Tower
ATC Site Name : Franklin CT, CT
ATC Site Number : 6310
Proposed Carrier : Nextel
Carrier Site Name : Franklin
Carrier Site Number : CT 0965
County : New London
Eng. Number : 26721621
Date : August 17, 2006
Usage : 84.0% (Guy wires)

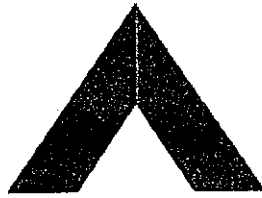
Submitted by:
Anantha Shanubhogue
Project Engineer

B. Anantha Shanubhogue

Reviewed by:
Jaime Reyes, P.E.
Director of Engineering

American Tower Engineering Services
8505 Freeport Parkway
Suite 135
Irving, TX 75063
Phone: 972-999-8900





AMERICAN TOWER™
C O R P O R A T I O N

Structural Analysis Report

Structure : 300 ft FWT Guyed Tower
ATC Site Name : Franklin CT, CT
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Submitted by:
Anantha Shanubhogue
Project Engineer

Reviewed by:
Jaime Reyes, P.E.
Director of Engineering

American Tower Engineering Services
8505 Freeport Parkway
Suite 135
Irving, TX 75063
Phone: 972-999-8900

Introduction

The purpose of this report is to summarize results of the structural analysis performed on the 300 ft. FWT Guyed Tower located at Franklin CT, CT, New London County (ATC site #6310). The tower was originally designed and manufactured by FWT (Drawing # 18504 dated January 20, 1999). The original design profile is attached for additional information.

Analysis

The tower was analyzed using Semaan Engineering Solutions, Inc., Software. The analysis assumes that the tower is in good, undamaged, and non-corroded condition. A 5% overstress is allowed in the existing structural members to account for program variances.

Basic Wind Speed: 85.0 mph (Fastest Mile) / Equivalent to a 105 mph 3-sec. gust wind speed per IBC 2003.

Radial Ice: 74 mph (Fastest Mile) w/ 1/2" ice

Code: TIA/EIA-222 Rev F / IBC 2003.

Antenna Loads

The following antenna loads were used in the tower analysis.

Existing Antennas

Elev. (ft)	Qty	Antennas	Mount	Coax	Carrier
300.0	1	20' Dipole	(3) Standoff Mount	(1) 1 1/4	Unk
	1	15' Dipole			
	1	8' Omni			
270.0	1	8' Omni	(3) Standoff Mount	(1) 7/8	Brodeur's Oil Service
	2	15' Dipole	(3) Standoff Mount	(1) 1 1/4	Unk
	1	10' Dipole		(2) 1 5/8	CT State Police
	1	15' Dipole		(1) 1 1/4	Unk
235.0	2	15' Dipole	(3) Standoff Mount	(2) 1 5/8	CT State Police
	1	15' Dipole		(1) 1 1/4	Arch Wireless
	2	11' Omni		(2) 1 1/4	
	2	AP7-850		(2) 1 5/8	
	2	15' Dipole		(2) 1 5/8	AT&T WS
	2	11' Omni		(2) 1 5/8	

Eng. Number 26721621

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Page 2

203.0	1	20' Dipole	(3) Standoff Mount	(1) 7/8	NE Central RR
	1	20' Dipole		(1) 7/8	Providence & Worcester RR
200.0	-	-	(3) Standoff Mounts	-	Unk
180.0	9	ALP 9011	(3) Sector Mounts	(9) 1 5/8	Nextel
	1	DB224		(1) 1/2	
150.0	6	Antel RWA-80016	(3) Sector Mounts	(6) 1 5/8	Verizon
	6	Antel LPA-185063/12CF2		(6) 1 5/8	
130.0	2	4' x 12" Panels	(3) Standoff Mount	(2) 1 5/8	CT State Police
	1	Amplifier / Control Box		(2) 3/8	
105.0	1	20' Dipole	Leg Mounted	(1) 1/2	New England Central
	1	4' Grid MW Dish	Dish Mount	(1) 7/8	Verizon
	1	3' Yagi	Leg Mounted	(1) 1/2	
80.0	1	RFS pAG-65 (6' Dish)	Dish Mount	(1) EW52	CT State Police

Proposed Antennas

Elev. (ft)	Qty	Antennas	Mount	Coax	Carrier
180.0	3	EMS RR90-17-02-DPL2	On an existing mount	(6) 1 5/8	Nextel

Based on the coax layout we received this analysis considers the TX lines on all three tower faces with no more than sixteen (16) 1 5/8" lines OR equivalent are exposed to wind on any tower face. Additionally, stack the proposed Nextel lines on top of the existing Nextel lines @ 180 ft.

The existing 300 ft. Tower with the existing and the proposed antennas is structurally acceptable per EIA/TIA-222-F standards. The maximum structure (Guy wires) usage is: 84.0%

Foundation (Location)	Reactions (kips)	Original Design Reaction (kips)	Current Analysis Reactions (kips)	% Of Original Design
Tower Base	Compression	208.20	169.42	81.37
Inner Anchor	Uplift	73.50	62.08	84.46
	Horizontal	85.90	75.69	88.11

The structure base reactions resulting from this analysis do not exceed the ones shown on the original structural drawings, therefore no modifications or reinforcement of the foundation will be required.

Eng. Number 26721621

August 16, 2006

Page 3

Conclusion

Based on the analysis results, the structure meets the requirements per TIA/EIA-222-F and per IBC 2003 Standards. The existing tower and foundation can support the existing and proposed antennas with the transmission lines distributed as described in this report.

If you have any questions or require additional information, please call (972) 999-8900

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, the antenna 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 Engineering 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 are in an un-corroded condition and have not deteriorated; and we, therefore, assume that their capacity has not significantly changed from the "as new" condition.

All services will be performed to the codes specified by the client, and we do not imply to meet any other codes or requirements unless explicitly agreed in writing. 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 requirements. In the absence of information to the contrary, all work will be performed in accordance with the American Institute of Steel Construction, Inc. (AISC) 1989.

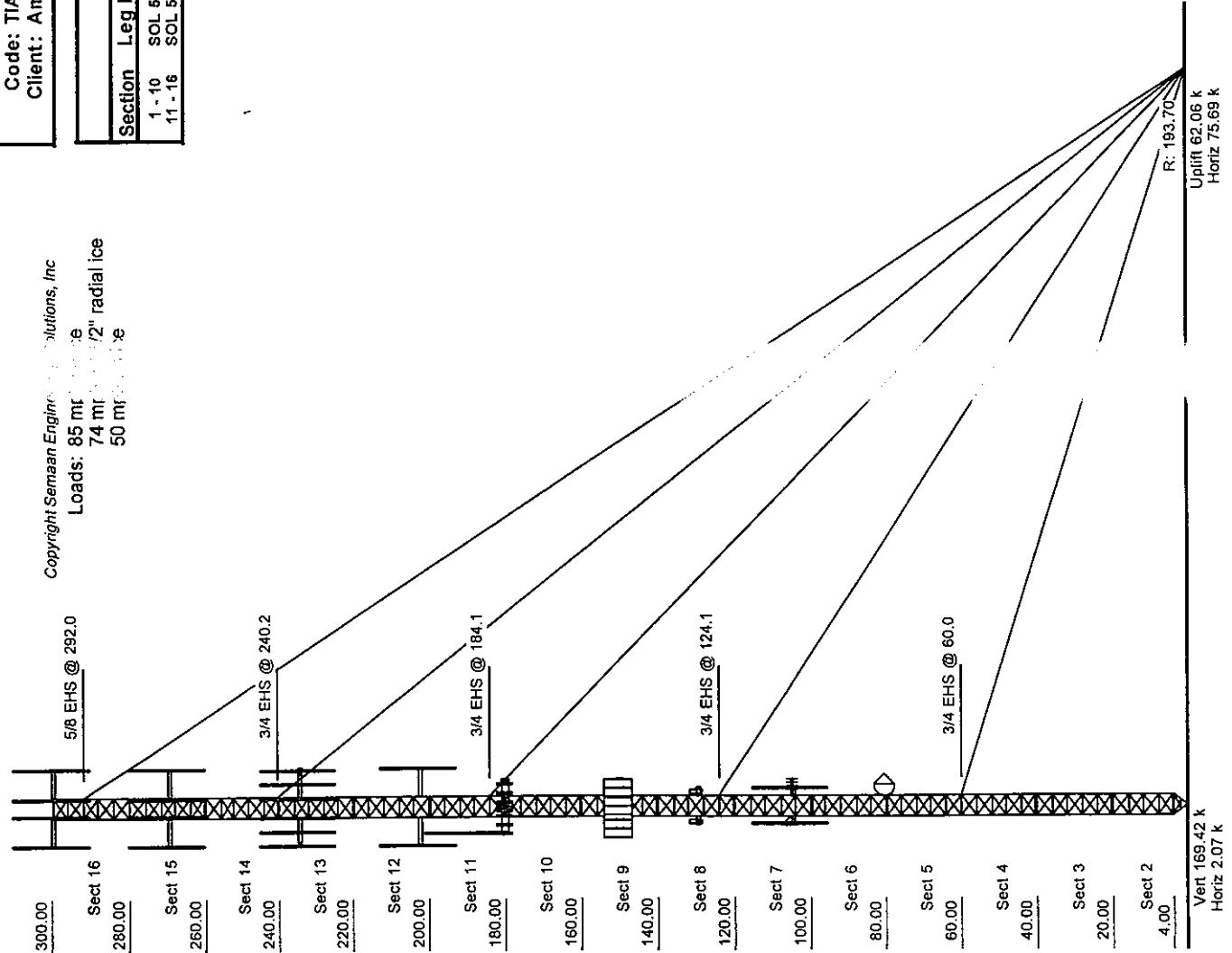
All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. ATC Engineering Services is not responsible for the conclusions, opinions and recommendations made by others based on the information we supply.

Job Information		
Tower : 6310	Location : Franklin CT, CT	Base Width : 4.00 ft
Code: TIA/EIA-222 Rev F	Shape : Triangle	
Client: American Tower		

Sections Properties		
Section	Leg Members	Diagonal Members
1 - 10	SOL 50ksi 2 1/4" SOLID	SOL 50ksi 5/8" SOLID
11 - 16	SOL 50ksi 2" SOLID	SOL 50ksi 5/8" SOLID

Discrete Appurtenance		
Elev (ft)	Type	Qty Description
300.00	Whip	1 15' Dipole
300.00	Whip	3 20' Dipole
300.00	Straight Arm	3 Standoff Mount
300.00	Whip	1 ASP-973
270.00	Whip	1 10' Dipole
270.00	Whip	2 15' Dipole
270.00	Straight Arm	3 Standoff Mount
270.00	Whip	2 8' Omni
235.00	Panel	2 AP7-850
235.00	Straight Arm	3 Standoff Mount
235.00	Whip	4 11' Omni
235.00	Whip	5 15' Dipole
203.00	Whip	2 20' Dipole
203.00	Straight Arm	3 Standoff Mount
200.00	Straight Arm	3 Standoff Mount
180.00	Panel	3 EMS RR90-17-02-DPL2
180.00	Whip	1 DB224
180.00	Panel	9 ALP 9011
150.00	Mounting Frame	3 Sector Mounts
150.00	Panel	6 Antel LPA-185080/12CF2
150.00	Mounting Frame	6 Antel RWA-80016
130.00	Panel	3 Sector Mounts
130.00	Panel	1 Amplifier / Control Box
105.00	Yagi	2 4' x 12" Panels
105.00	Dish	1 3' Yagi
105.00	Whip	1 4' Grid MW Dish
80.00	Dish	2 20' Dipole
		1 6' Std. MW Dish w/Para. Radom

Linear Appurtenance		
Elev (ft)	From	To
0.000	300.00	3 7/8" Coax
0.000	300.00	1 1 1/4" Coax
0.000	270.00	1 7/8" Coax
0.000	270.00	2 1 5/8" Coax
0.000	270.00	2 1 1/4" Coax
0.000	235.00	6 1 5/8" Coax
0.000	235.00	2 1 5/8" Coax
0.000	235.00	3 1 1/4" Coax
0.000	203.00	2 7/8" Coax
0.000	180.00	1 1/2" Coax
0.000	180.00	15 1 5/8" Coax
0.000	150.00	12 1 5/8" Coax
0.000	130.00	2 3/8" Coax
0.000	130.00	2 1 5/8" Coax
0.000	105.00	1 7/8" Coax
0.000	105.00	2 1/2" Coax
0.000	80.00	1 EW52

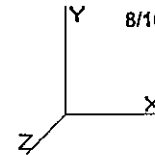


Site Number: 6310
Location: Franklin CT, CT

Code: TIA/EIA-222 Rev F

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Gh : 1.09

Section Forces

LoadCase 90 deg

50.00 mph Wind at 90 deg From Face with No Ice

Allow Stress Inc: 1.333
Dead LF: 1.000
Wind LF: 1.000

Sect Seq	Wind Height (ft)	qz	Total Flat Area (sqft)	Total Round Area (sqft)	Ice Round Area (sqft)	Sol Ratio	Cf	Df	Dr	Rr	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)	Eff Face
16	290.0	11.91	4.00	15.03	0.00	0.24	2.47	0.85	1.00	0.60	12.40	0.00	0.00	1,033.9	0.0	397.51	0.00	397.51	2
15	270.0	11.67	4.00	15.94	0.00	0.25	2.44	0.85	1.00	0.60	12.99	0.00	0.00	1,057.2	0.0	402.27	0.00	402.27	2
14	250.0	11.41	4.00	17.33	0.00	0.27	2.39	0.85	1.00	0.61	13.91	0.00	0.00	1,098.5	0.0	412.44	0.00	412.44	1
13	230.0	11.15	4.00	30.57	0.00	0.43	2.00	0.85	1.00	0.67	23.74	0.00	0.00	1,216.2	0.0	576.65	0.00	576.65	1
12	210.0	10.86	4.00	35.53	0.00	0.49	1.91	0.85	1.00	0.69	28.07	0.00	0.00	1,260.4	0.0	632.66	0.00	632.66	1
11	190.0	10.55	4.00	38.62	0.00	0.53	1.86	0.85	1.00	0.71	31.00	0.00	0.00	1,280.7	0.0	662.28	0.00	662.28	1
10	170.0	10.22	4.00	45.13	0.00	0.61	1.80	0.85	1.00	0.76	37.81	0.00	0.00	1,691.0	0.0	755.05	0.00	755.05	2
9	150.0	9.86	4.00	55.03	0.00	0.74	1.78	0.85	1.00	0.85	50.05	0.00	0.00	1,789.4	0.0	957.61	0.00	957.61	2
8	130.0	9.47	4.00	64.93	0.00	0.86	1.87	0.85	1.00	0.95	65.00	0.00	0.00	1,914.8	0.0	1,254.96	0.00	1,254.96	2
7	110.0	9.03	4.00	64.93	0.00	0.86	1.87	0.85	1.00	0.95	65.00	0.00	0.00	1,926.9	0.0	1,196.47	0.00	1,196.47	2
6	90.00	8.52	4.00	64.93	0.00	0.86	1.87	0.85	1.00	0.95	65.00	0.00	0.00	1,936.4	0.0	1,129.80	0.00	1,129.80	2
5	70.00	7.93	4.00	64.93	0.00	0.86	1.87	0.85	1.00	0.95	65.00	0.00	0.00	1,948.2	0.0	1,051.52	0.00	1,051.52	2
4	50.00	7.21	4.67	64.93	0.00	0.87	1.88	0.85	1.00	0.96	66.04	0.00	0.00	1,986.5	0.0	975.61	0.00	975.61	2
3	30.00	6.40	4.00	64.93	0.00	0.86	1.87	0.85	1.00	0.95	65.00	0.00	0.00	1,948.2	0.0	848.22	0.00	848.22	2
2	12.00	6.40	3.33	51.94	0.00	0.86	1.88	0.85	1.00	0.95	52.20	0.00	0.00	1,564.1	0.0	682.01	0.00	682.01	2
1	2.00	6.40	1.00	13.02	0.00	1.00	2.10	0.85	1.00	1.00	13.87	0.00	0.00	411.3	0.0	202.70	0.00	111.38	2 **
														24,063.7	0.0	12,046.44			

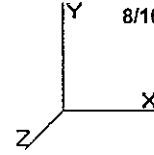
** = 2QzGhAg Controls

Site Number: 6310
Location: Franklin CT, CT

Code: TIA/EIA-222 Rev F

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Tower Loading

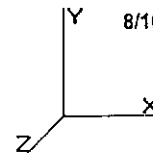
0.00	130.0	3/8" Coax	2	0.44	0.08	100.00	3	Separate
0.00	105.0	1/2" Coax	2	0.63	0.15	100.00	3	Separate
0.00	105.0	7/8" Coax	1	1.09	0.33	100.00	3	Separate
0.00	80.00	EW52	1	2.25	0.59	100.00	3	Separate

Site Number: 6310
Location: Franklin CT, CT

Code: TIA/EIA-222 Rev F

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Force/Stress Summary

Section: 13		20'-5 Bays		Bot Elev (ft): 220.0				Height (ft): 20.000								
		Force		Len		Bracing %		Fa		Member		Shear Bear		Use		
		(kip)	Load Case	(ft)	X	Y	Z	KL/R	(ksi)	(kip)	Num Bolts	Num Holes	(kip)	(kip)	%	Controls
Max Compression Member																
LEG SOL - 2" SOLID		-29.90	90 deg Ice	3.92	100	100	100	94.1	21.4	67.21	0	0	0.00	0.00	44	Member
HORIZ SAE - 2X2X0.1875		-2.70	Normal Ice	4.000	100	100	100	121.8	13.4	9.55	0	0	0.00	0.00	28	Member
DIAG SOL - 5/8" SOLID		-0.96	90 deg No Ice	5.601	50	50	50	0.0	0.0	1.29	0	0	0.00	0.00	74	User Input
Max Tension Member																
		(kip)	Load Case													
LEG		0.00			0	0.00	0	0	0.00				0			
HORIZ SAE - 2X2X0.1875		1.64	Normal Ice		36	20.59	0	0	0.00				7	Member		
DIAG SOL - 5/8" SOLID		4.86	90 deg Ice		50	12.27	0	0	0.00				39	Member		

Section: 14		20'-5 Bays		Bot Elev (ft): 240.0				Height (ft): 20.000								
		Force		Len		Bracing %		Fa		Member		Shear Bear		Use		
		(kip)	Load Case	(ft)	X	Y	Z	KL/R	(ksi)	(kip)	Num Bolts	Num Holes	(kip)	(kip)	%	Controls
Max Compression Member																
LEG SOL - 2" SOLID		-20.48	Normal Ice	3.92	100	100	100	94.1	21.4	67.21	0	0	0.00	0.00	30	Member
HORIZ SAE - 2X2X0.1875		-1.87	90 deg Ice	4.000	100	100	100	121.8	13.4	9.55	0	0	0.00	0.00	19	Member
DIAG SOL - 5/8" SOLID		-0.95	90 deg Ice	5.601	50	50	50	0.0	0.0	1.29	0	0	0.00	0.00	73	User Input
Max Tension Member																
		(kip)	Load Case													
LEG SOL - 2" SOLID		5.24	60 deg No Ice		50	125.65	0	0	0.00				4	Member		
HORIZ SAE - 2X2X0.1875		0.92	60 deg Ice		36	20.59	0	0	0.00				4	Member		
DIAG SOL - 5/8" SOLID		2.74	90 deg Ice		50	12.27	0	0	0.00				22	Member		

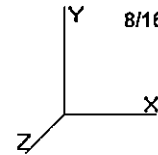
Section: 15		20'-5 Bays		Bot Elev (ft): 260.0				Height (ft): 20.000								
		Force		Len		Bracing %		Fa		Member		Shear Bear		Use		
		(kip)	Load Case	(ft)	X	Y	Z	KL/R	(ksi)	(kip)	Num Bolts	Num Holes	(kip)	(kip)	%	Controls
Max Compression Member																
LEG SOL - 2" SOLID		-13.12	60 deg Ice	3.92	100	100	100	94.1	21.4	67.21	0	0	0.00	0.00	10	Member
HORIZ SAE - 2X2X0.1875		-1.06	90 deg Ice	4.000	100	100	100	121.8	13.4	9.55	0	0	0.00	0.00	11	Member
DIAG SOL - 5/8" SOLID		-0.96	90 deg No Ice	5.601	50	50	50	0.0	0.0	1.29	0	0	0.00	0.00	74	User Input
Max Tension Member																
		(kip)	Load Case													
LEG		0.00			0	0.00	0	0	0.00				0			
HORIZ SAE - 2X2X0.1875		0.85	Normal Ice		36	20.59	0	0	0.00				4	Member		
DIAG SOL - 5/8" SOLID		1.61	60 deg Ice		50	12.27	0	0	0.00				13	Member		

Site Number: 6310
Location: Franklin CT, CT

Code: TIA/EIA-222 Rev F

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Force/Stress Summary

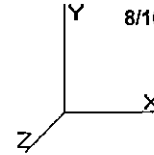
Section: 16		20'-5 Bays		Bot Elev (ft): 280.0				Height (ft): 20.000								
		Force		Len	Bracing %			Fa	Member			Shear	Bear	Use		
		(kip)	Load Case	(ft)	X	Y	Z	KL/R	(ksi)	(kip)	Num Bolts	Num Holes	(kip)	(kip)	%	Controls
Max Compression Member																
LEG	SOL - 2" SOLID	-11.63	60 deg Ice	3.92	100	100	100	94.1	21.4	67.21	0	0	0.00	0.00	17	Member
HORIZ	SAE - 2X2X0.1875	-0.91	Normal Ice	4.000	100	100	100	121.8	13.4	9.55	0	0	0.00	0.00	9	Member
DIAG	SOL - 5/8" SOLID	-0.87	Normal No Ice	5.601	50	50	50	0.0	0.0	1.29	0	0	0.00	0.00	67	User Input
Max Tension Member		Force		Fy	Cap	Num	Num		Shear	Bear	Use					
		(kip)	Load Case	(ksi)	(kip)	Bolts	Holes		Cap (kip)	Cap (kip)	%	Controls				
LEG	SOL - 2" SOLID	2.34	60 deg No Ice	50	125.65	0	0		0.00	0.00	1	Member				
HORIZ	SAE - 2X2X0.1875	0.46	Normal Ice	36	20.59	0	0		0.00	0.00	2	Member				
DIAG	SOL - 5/8" SOLID	1.90	Normal Ice	50	12.27	0	0		0.00	0.00	15	Member				

Site Number: 6310
Location: Franklin CT, CT

Code: TIA/EIA-222 Rev F

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8/16/2006 3:41:50 PM



Support Forces Summary

Load Case	Node	FX (kip)	FY (kip)	FZ (kip)	(-) = Uplift (+) = Down
90 deg	A1b	8.78	-7.94	-5.27	
	A1a	-25.72	-23.11	-14.64	
	A1	-0.46	-15.52	19.91	
	1	-0.80	82.06	0.01	
60 deg	A1b	12.19	-11.25	-7.46	
	A1a	-26.86	-24.33	-15.51	
	A1	-0.37	-11.24	14.29	
	1	-0.68	82.21	-0.39	
Normal	A1b	22.05	-19.92	-13.17	
	A1a	-22.05	-19.92	-13.16	
	A1	0.00	-6.61	8.76	
	1	0.00	82.03	-0.82	
90 deg Ice	A1b	5.77	-7.08	-4.37	
	A1a	-64.62	-60.40	-36.03	
	A1	-2.50	-33.76	40.78	
	1	-1.10	164.61	-0.39	
60 deg Ice	A1b	14.72	-15.97	-10.72	
	A1a	-65.55	-62.06	-37.85	
	A1	-1.93	-15.95	18.11	
	1	-1.30	156.85	-0.76	
Normal Ice	A1b	52.85	-50.68	-32.99	
	A1a	-52.84	-50.69	-32.98	
	A1	0.00	-4.19	4.22	
	1	-0.01	169.42	-0.90	
90 deg No Ice	A1b	3.68	-4.58	-2.70	
	A1a	-25.72	-23.11	-14.64	
	A1	-0.46	-15.52	19.91	
	1	-0.80	82.06	0.01	
60 deg No Ice	A1b	10.18	-11.10	-7.11	
	A1a	-52.73	-48.93	-30.45	
	A1	-1.07	-11.09	12.38	
	1	-1.79	106.33	-1.04	
Normal No Ice	A1b	44.22	-41.11	-26.94	
	A1a	-44.25	-41.11	-26.95	
	A1	0.00	-2.57	2.57	
	1	0.03	120.55	-1.82	

Max Reactions (kip)

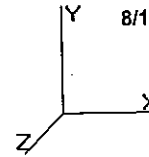
	<u>Base</u>	<u>Anch1</u>
Vertical	169.42	-62.06
Horizontal	2.07	75.69

Site Number: 6310
Location: Franklin CT, CT

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Cable Forces Summary

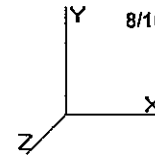
Load Case	Elevation (ft)	Cable	Node 1	Node 2	Allow Tension (kip)	Applied Tension (kip)	Use %
Normal No Ice	60.00	3/4 EHS	A1	23	29.15	1.11	3
		3/4 EHS	A1b	23a	29.15	13.19	45
		3/4 EHS	A1a	23b	29.15	13.23	45
	124.12	3/4 EHS	A1	46	29.15	0.49	1
		3/4 EHS	A1b	46a	29.15	17.00	58
		3/4 EHS	A1a	46b	29.15	17.02	58
	184.12	3/4 EHS	A1	67	29.15	0.30	1
		3/4 EHS	A1b	67a	29.15	15.73	53
		3/4 EHS	A1a	67b	29.15	15.67	53
	240.20	3/4 EHS	A1	87	29.15	1.11	3
		3/4 EHS	A1b	87a	29.15	13.62	46
		3/4 EHS	A1a	87b	29.15	13.63	46
	291.96	5/8 EHS	A1	104	21.20	1.85	8
		5/8 EHS	A1b	104a	21.20	9.26	43
		5/8 EHS	A1a	104b	21.20	9.28	43
60 deg No Ice	60.00	3/4 EHS	A1	23	29.15	3.28	11
		3/4 EHS	A1b	23a	29.15	3.26	11
		3/4 EHS	A1a	23b	29.15	14.82	50
	124.12	3/4 EHS	A1	46	29.15	2.83	9
		3/4 EHS	A1b	46a	29.15	2.82	9
		3/4 EHS	A1a	46b	29.15	19.76	67
	184.12	3/4 EHS	A1	67	29.15	3.44	11
		3/4 EHS	A1b	67a	29.15	3.45	11
		3/4 EHS	A1a	67b	29.15	18.68	64
	240.20	3/4 EHS	A1	87	29.15	4.37	14
		3/4 EHS	A1b	87a	29.15	4.38	15
		3/4 EHS	A1a	87b	29.15	16.58	56
	291.96	5/8 EHS	A1	104	21.20	4.26	20
90 deg No Ice	60.00	3/4 EHS	A1	23	29.15	8.54	29
		3/4 EHS	A1b	23a	29.15	1.29	4
		3/4 EHS	A1a	23b	29.15	15.07	51
	124.12	3/4 EHS	A1	46	29.15	10.16	34
		3/4 EHS	A1b	46a	29.15	0.86	2
		3/4 EHS	A1a	46b	29.15	20.08	68
	184.12	3/4 EHS	A1	67	29.15	9.77	33
		3/4 EHS	A1b	67a	29.15	1.14	3
		3/4 EHS	A1a	67b	29.15	18.64	63
	240.20	3/4 EHS	A1	87	29.15	9.05	31
		3/4 EHS	A1b	87a	29.15	1.93	6
		3/4 EHS	A1a	87b	29.15	16.17	55
	291.96	5/8 EHS	A1	104	21.20	6.78	32
		5/8 EHS	A1b	104a	21.20	2.50	11
		5/8 EHS	A1a	104b	21.20	10.74	50
Normal Ice	60.00	3/4 EHS	A1	23	29.15	2.02	6
		3/4 EHS	A1b	23a	29.15	14.29	49
		3/4 EHS	A1a	23b	29.15	14.23	48
	124.12	3/4 EHS	A1	46	29.15	0.75	2

Site Number: 6310
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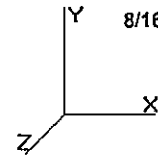
		3/4 EHS	A1b	46a	29.15	19.31	66
		3/4 EHS	A1a	46b	29.15	19.38	66
	184.12	3/4 EHS	A1	67	29.15	0.55	1
		3/4 EHS	A1b	67a	29.15	19.89	68
		3/4 EHS	A1a	67b	29.15	19.87	68
	240.20	3/4 EHS	A1	87	29.15	1.72	5
		3/4 EHS	A1b	87a	29.15	17.79	61
		3/4 EHS	A1a	87b	29.15	17.79	61
	291.96	5/8 EHS	A1	104	21.20	3.01	14
		5/8 EHS	A1b	104a	21.20	12.67	59
		5/8 EHS	A1a	104b	21.20	12.68	59
60 deg Ice	60.00	3/4 EHS	A1	23	29.15	5.16	17
		3/4 EHS	A1b	23a	29.15	5.16	17
		3/4 EHS	A1a	23b	29.15	16.61	56
	124.12	3/4 EHS	A1	46	29.15	4.32	14
		3/4 EHS	A1b	46a	29.15	4.27	14
		3/4 EHS	A1a	46b	29.15	23.29	79
	184.12	3/4 EHS	A1	67	29.15	4.84	16
		3/4 EHS	A1b	67a	29.15	4.86	16
		3/4 EHS	A1a	67b	29.15	24.51	84
	240.20	3/4 EHS	A1	87	29.15	6.04	20
		3/4 EHS	A1b	87a	29.15	6.06	20
		3/4 EHS	A1a	87b	29.15	22.17	76
	291.96	5/8 EHS	A1	104	21.20	6.36	29
		5/8 EHS	A1b	104a	21.20	6.38	30
		5/8 EHS	A1a	104b	21.20	15.28	72
90 deg Ice	60.00	3/4 EHS	A1	23	29.15	9.93	34
		3/4 EHS	A1b	23a	29.15	2.39	8
		3/4 EHS	A1a	23b	29.15	16.28	55
	124.12	3/4 EHS	A1	46	29.15	12.08	41
		3/4 EHS	A1b	46a	29.15	1.39	4
		3/4 EHS	A1a	46b	29.15	23.10	79
	184.12	3/4 EHS	A1	67	29.15	12.49	42
		3/4 EHS	A1b	67a	29.15	1.74	5
		3/4 EHS	A1a	67b	29.15	24.61	82
	240.20	3/4 EHS	A1	87	29.15	11.96	41
		3/4 EHS	A1b	87a	29.15	2.83	9
		3/4 EHS	A1a	87b	29.15	21.40	73
	291.96	5/8 EHS	A1	104	21.20	9.64	45
		5/8 EHS	A1b	104a	21.20	3.93	18
		5/8 EHS	A1a	104b	21.20	14.65	69
Normal	60.00	3/4 EHS	A1	23	29.15	3.23	11
		3/4 EHS	A1b	23a	29.15	7.33	25
		3/4 EHS	A1a	23b	29.15	7.33	25
	124.12	3/4 EHS	A1	46	29.15	2.20	7
		3/4 EHS	A1b	46a	29.15	7.88	27
		3/4 EHS	A1a	46b	29.15	7.88	27
	184.12	3/4 EHS	A1	67	29.15	2.07	7
		3/4 EHS	A1b	67a	29.15	7.38	25
		3/4 EHS	A1a	67b	29.15	7.38	25
	240.20	3/4 EHS	A1	87	29.15	2.46	8
		3/4 EHS	A1b	87a	29.15	6.83	23
		3/4 EHS	A1a	87b	29.15	6.83	23
	291.96	5/8 EHS	A1	104	21.20	2.39	11
		5/8 EHS	A1b	104a	21.20	4.95	23
		5/8 EHS	A1a	104b	21.20	4.95	23

Site Number: 6310
Location: Franklin CT, CT

Code: TIA/EIA-222 Rev F

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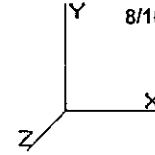
60 deg	60.00	3/4 EHS	A1	23	29.15	4.52	15
		3/4 EHS	A1b	23a	29.15	4.51	15
		3/4 EHS	A1a	23b	29.15	8.48	29
	124.12	3/4 EHS	A1	46	29.15	3.79	12
		3/4 EHS	A1b	46a	29.15	3.78	12
		3/4 EHS	A1a	46b	29.15	9.63	33
	184.12	3/4 EHS	A1	67	29.15	3.83	13
		3/4 EHS	A1b	67a	29.15	3.82	13
		3/4 EHS	A1a	67b	29.15	9.11	31
	240.20	3/4 EHS	A1	87	29.15	4.17	14
		3/4 EHS	A1b	87a	29.15	4.17	14
		3/4 EHS	A1a	87b	29.15	8.34	28
	291.96	5/8 EHS	A1	104	21.20	3.44	16
		5/8 EHS	A1b	104a	21.20	3.44	16
		5/8 EHS	A1a	104b	21.20	5.89	27
90 deg	60.00	3/4 EHS	A1	23	29.15	5.92	20
		3/4 EHS	A1b	23a	29.15	3.56	12
		3/4 EHS	A1a	23b	29.15	8.19	28
	124.12	3/4 EHS	A1	46	29.15	5.79	19
		3/4 EHS	A1b	46a	29.15	2.53	8
		3/4 EHS	A1a	46b	29.15	9.19	31
	184.12	3/4 EHS	A1	67	29.15	5.57	19
		3/4 EHS	A1b	67a	29.15	2.53	8
		3/4 EHS	A1a	67b	29.15	8.64	29
	240.20	3/4 EHS	A1	87	29.15	5.49	18
		3/4 EHS	A1b	87a	29.15	3.02	10
		3/4 EHS	A1a	87b	29.15	7.90	27
	291.96	5/8 EHS	A1	104	21.20	4.20	19
		5/8 EHS	A1b	104a	21.20	2.74	12
		5/8 EHS	A1a	104b	21.20	5.61	26

Site Number: 6310
Location: Franklin CT, CT

Code: TIA/EIA-222 Rev F

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Deflections and Rotations

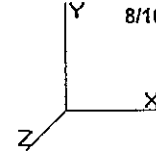
Load Case	Elevation (ft)	Deflection (ft)	Twist (deg)	Sway (deg)
50.00 mph Wind Normal To Face with No Ice	80.00	0.1313	-0.0894	0.1401
	104.12	0.1604	-0.0804	0.0409
	128.04	0.1699	-0.0722	0.0930
	148.04	0.1939	-0.0660	0.0368
	180.00	0.1842	-0.0573	0.0807
	200.00	0.1740	-0.0502	0.0040
	204.12	0.1723	-0.0489	0.0333
	235.88	0.1490	-0.0405	0.0453
	268.04	0.1275	-0.0352	0.0369
	300.00	0.1034	-0.0333	0.0141
50.00 mph Wind at 60 deg From Face with No Ice	80.00	0.1143	0.0462	0.1198
	104.12	0.1401	0.0349	0.0238
	128.04	0.1489	0.0254	0.0979
	148.04	0.1768	0.0189	0.0500
	180.00	0.1768	0.0109	0.1090
	200.00	0.1774	0.0070	0.0409
	204.12	0.1783	0.0064	0.0045
	235.88	0.1785	0.0032	0.0086
	268.04	0.1836	0.0018	0.0120
	300.00	0.1865	0.0017	0.0348
50.00 mph Wind at 90 deg From Face with No Ice	80.00	0.1294	0.3186	0.1280
	104.12	0.1565	0.3252	0.0355
	128.04	0.1632	0.3216	0.0949
	148.04	0.1886	0.3189	0.0450
	180.00	0.1866	0.3152	0.1381
	200.00	0.1814	0.3117	0.0286
	204.12	0.1812	0.3111	0.0208
	235.88	0.1713	0.3070	0.0236
	268.04	0.1658	0.3046	0.0238
	300.00	0.1587	0.3040	0.0433
73.61 mph Wind Normal To Face with Ice	80.00	0.5321	-0.2224	0.6005
	104.12	0.7104	-0.2209	0.3757
	128.04	0.8612	-0.2190	0.6044
	148.04	1.0498	-0.2180	0.4740
	180.00	1.1909	-0.2161	0.1518
	200.00	1.2729	-0.2153	0.3371
	204.12	1.2891	-0.2151	0.1775
	235.88	1.3243	-0.2142	0.0203
	268.04	1.3642	-0.2136	0.0618
	300.00	1.3840	-0.2131	0.2919
73.61 mph Wind at 60 deg From Face with Ice	80.00	0.3715	0.2913	0.4214
	104.12	0.5018	0.2930	0.2023
	128.04	0.5809	0.2948	0.4643
	148.04	0.7243	0.2968	0.3636
	180.00	0.8136	0.2993	0.2466
	200.00	0.8821	0.3083	0.3276
	204.12	0.8977	0.3102	0.1600
	235.88	0.9505	0.3251	0.0904

Site Number: 6310
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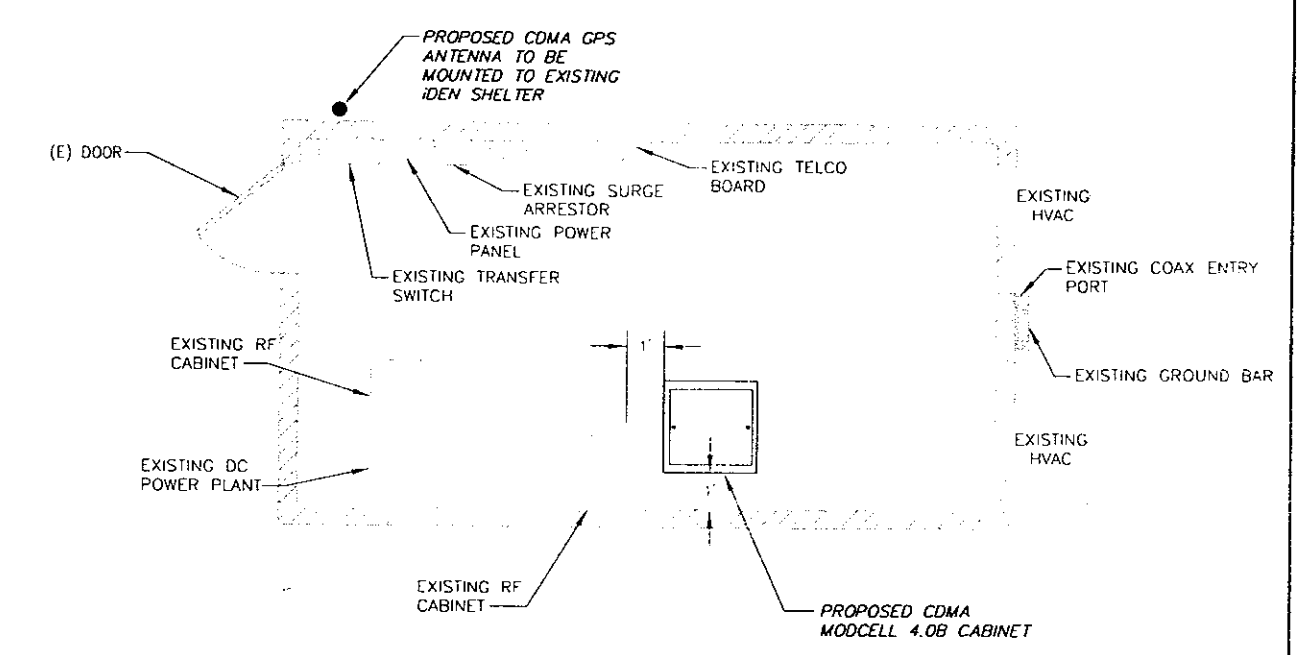
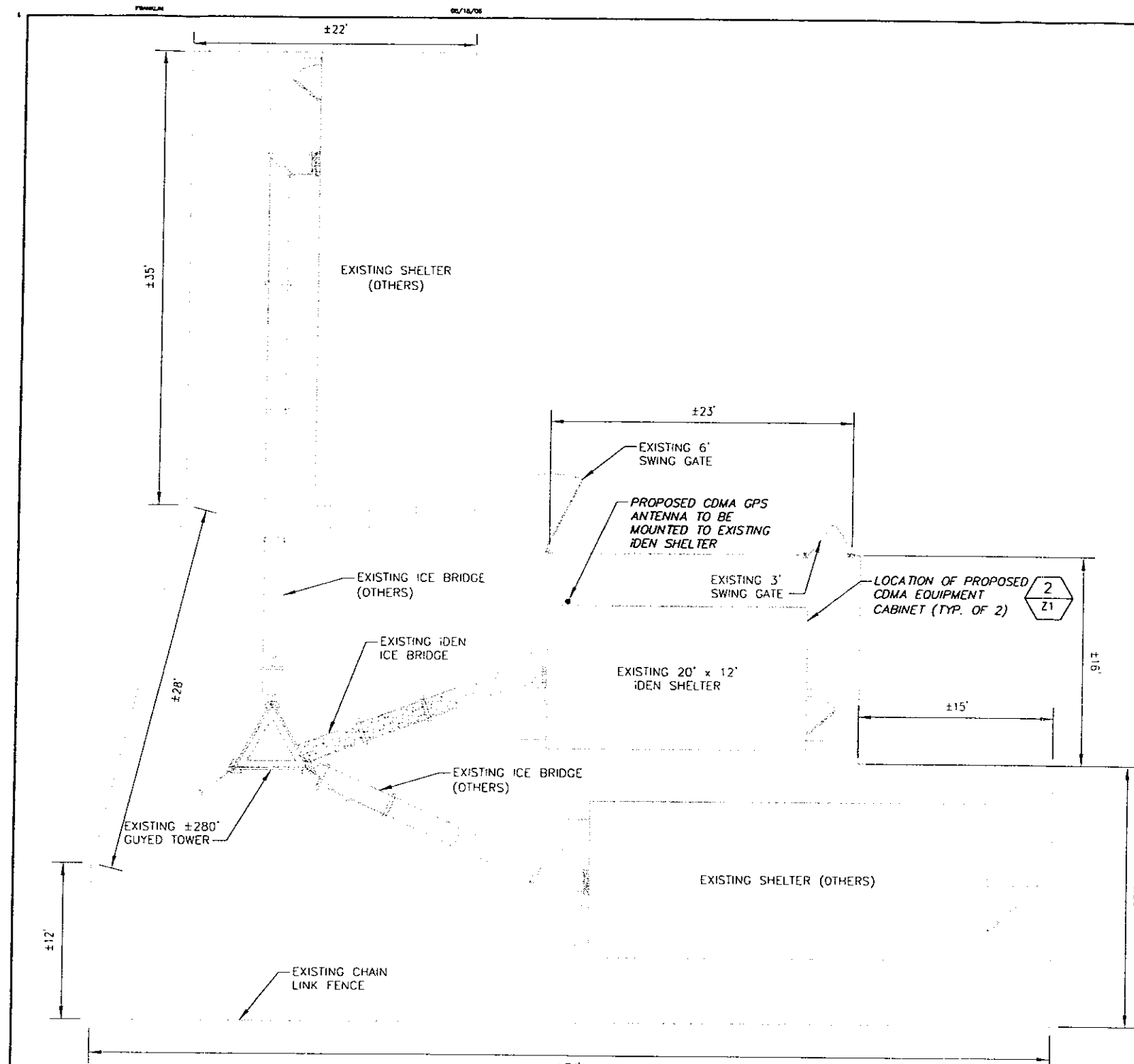
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	268.04	1.0397	0.3408	0.1669
	300.00	1.1138	0.3563	0.1907
73.61 mph Wind at 90 deg From Face with Ice	80.00	0.4827	0.5872	0.5382
	104.12	0.6580	0.5899	0.3279
	128.04	0.7810	0.5922	0.5666
	148.04	0.9630	0.5945	0.4399
	180.00	1.0804	0.5989	0.2445
	200.00	1.1576	0.6023	0.3209
	204.12	1.1731	0.6030	0.1743
	235.88	1.2051	0.6090	0.0627
	268.04	1.2503	0.6156	0.1198
	300.00	1.2765	0.6223	0.0987
85.00 mph Wind Normal To Face with No Ice	80.00	0.5588	-0.2089	0.5256
	104.12	0.6996	-0.2069	0.2556
	128.04	0.7880	-0.2045	0.3932
	148.04	0.9005	-0.2029	0.2333
	180.00	0.9352	-0.2003	0.0885
	200.00	0.9655	-0.1996	0.1875
	204.12	0.9723	-0.1994	0.0570
	235.88	0.9771	-0.1986	0.0292
	268.04	1.0002	-0.1981	0.0387
	300.00	1.0101	-0.1978	0.1832
85.00 mph Wind at 60 deg From Face with No Ice	80.00	0.3513	0.1866	0.3565
	104.12	0.4436	0.1802	0.1286
	128.04	0.4888	0.1740	0.3129
	148.04	0.5807	0.1691	0.1799
	180.00	0.6034	0.1613	0.2534
	200.00	0.6344	0.1644	0.2031
	204.12	0.6430	0.1651	0.0814
	235.88	0.6719	0.1709	0.0561
	268.04	0.7286	0.1775	0.1058
	300.00	0.7776	0.1844	0.1331
85.00 mph Wind at 90 deg From Face with No Ice	80.00	0.4878	0.5218	0.4673
	104.12	0.6222	0.5244	0.2244
	128.04	0.6949	0.5269	0.3738
	148.04	0.8061	0.5293	0.2180
	180.00	0.8341	0.5334	0.2990
	200.00	0.8623	0.5345	0.1847
	204.12	0.8683	0.5347	0.0619
	235.88	0.8751	0.5367	0.0488
	268.04	0.8919	0.5393	0.0711
	300.00	0.9048	0.5421	0.0587
		0.0000	0.0000	0.0000

Franklin, CT0965 (Nott Rd. Lot 10, Franklin) - CT Siting Council Power Density Calculations

Sprint Nextel Directional Antennas ESMR - 851 MHz 180' CDMA 1962 MHz 180'						
Transmitters:	Frequency In MHz	CT Standard mW/cm ²	Number of Channels	ERP (W) per channel	Centerline of Tx antennas AGL (ft.)	Note: Power densities are in mW/cm ²
Sprint Nextel	IDEN 851	0.0003	12	100	174	Power density calculated at base of tower
	CDMA 1962	1.0000	11	411	174	% of CT Standard
** lowest Sprint Nextel antenna centerline is 180' adjusted to 174' per OET 65 Bulletin for 6' average head height.						
Total % of CT Standard						7.8776%



NOTE:
BASEMAPPING INFORMATION OBTAINED FROM DRAWINGS
PREPARED BY RELIABLE APPLIED WIRELESS, LLC, DATED
7/7/06, AND DOES NOT REPRESENT AN ACTUAL FIELD
SURVEY BY INFINIGY ENGINEERING.

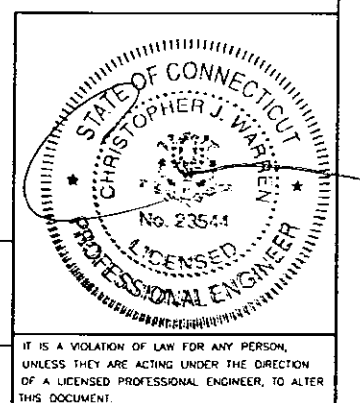
NO.	DATE	REVISIONS	BY	CHK	APP'D
0	09/21/06	ISSUED FOR REVIEW	EKM	SJB	CJW

infinigy
ENGINEERING
300 GREAT OAKS BLVD.
SUITE 312
ALBANY, NY 12203



FRANKLIN
NOTT RD. LOT 10
FRANKLIN, CT 06254

OVERALL SITE LAYOUT & SHELTER LAYOUT		Z1
CT0965 / CT73XC005		
DATE: 09/21/06		REV 0



PROJECT DESCRIPTION:

COMMUNICATION SYSTEM CONSISTING OF A MINOR MODIFICATION OF EXISTING WIRELESS. NO WATER OR SEWER IS REQUIRED. THIS IS UNMANNED AND IS NOT FOR HUMAN HABITATION.

CODE COMPLIANCE:

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

- | | |
|--|---------------------------|
| 1. CT BUILDING CODE | 5. ANSI/TIA/EIA-222-F |
| 2. UNIFORM BUILDING CODE | 6. UNIFORM PLUMBING CODE |
| 3. BUILDING OFFICIALS AND CODE ADMINISTRATORS (BOCA) | 7. NATIONAL ELECTRIC CODE |
| 4. UNIFORM MECHANICAL CODE | 8. LOCAL BUILDING CODE |
| | 9. CITY/COUNTY ORDINANCES |



FRANKLIN

PROPOSED UNMANNED WIRELESS TELECOMMUNICATION SITE

SITE NUMBER: **CT0965 / CT73XC005**

**NOTT RD. LOT 10
FRANKLIN, CT 06254**

DIRECTIONS:

TAKE RAMP ONTO US-3. AT EXIT 255, TAKE RAMP RIGHT ON TO I-95. AT EXIT 25, TURN ONTO RAMP. MERGE ONTO I-90. AT EXIT 10, TURN RIGHT ONTO RAMP. TAKE RAMP ONTO I-290. AT EXIT 6A, ROAD NAME CHANGES TO I-395. ENTER CONNECTICUT. AT EXIT 82, TURN RIGHT ONTO RAMP. TURN RIGHT ONTO W. TOWN ST. ROAD NAME CHANGES TO YANTIC RD. TAKE RAMP ONTO SR-2. AT EXIT 25, TAKE RAMP ONTO WINDHAM TPKE. TURN LEFT ONTO POUND RD. TURN LEFT ONTO MEETING HOUSE HILL RD, THEN IMMEDIATELY BEAR LEFT ONTO DOCTOR NOTT RD. TAKE TO END OF DOCTOR NOTT RD.

PROJECT INFORMATION

SITE NAME: FRANKLIN
SITE ADDRESS: NOTT RD. LOT 10
FRANKLIN, CT 06254
CONSTRUCTION AREA: 18 S.F.
LATITUDE: 41° 36' 10.51"N
LONGITUDE: 72° 8' 38.51"W

PROJECT DIRECTORY

LAND OWNER: AMERICAN TOWER
CONTACT: CRAIG HARTMAN-ACCOUNT
MANAGER NORTHEAST
10 PRESIDENTIAL WAY
WOBURN, MA 01801

OFFICE FAX: (781) 297-7726
FAX: (871) 297-7726

TOWER OWNER: AMERICAN TOWER CORP.

CONTACT: CRAIG HARTMAN
AMERICAN TOWER CORP
10 PRESIDENTIAL WAY
WOBURN, MA 01801

PHONE: OFFICE: (781) 297-7725
FAX: (781) 297-7726

APPLICANT

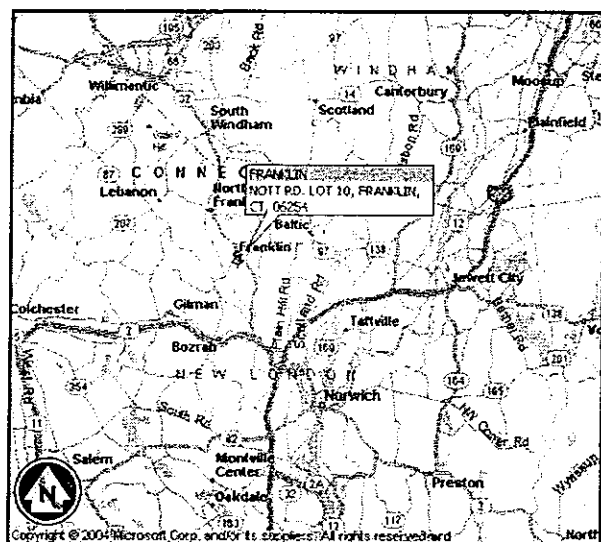
NEXTEL COMMUNICATIONS, INC.
9 CROSBY DRIVE
BEDFORD, MA 01730
PHONE: (781) 276-3996

POWER COMPANY:

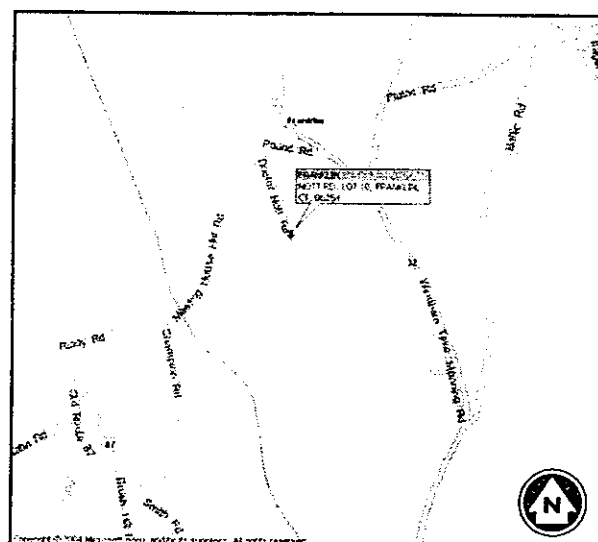
TELCO COMPANY:

DRAWING INDEX

DRWG. #	TITLE	REV. #	DATE
T1	TITLE SHEET	0	09/21/06
Z1	OVERALL SITE LAYOUT & SHELTER LAYOUT	0	09/21/06
Z2	ELEVATION VIEW & DETAILS	0	09/21/06



VICINITY MAP
N.T.S.



LOCATION MAP
N.T.S.

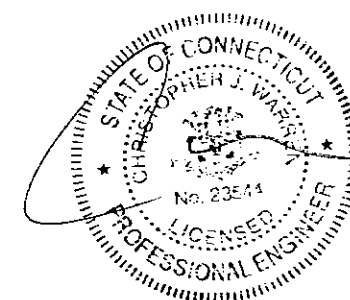
infinigy
ENGINEERING

300 GREAT OAKS BLVD.
SUITE 312
ALBANY, NY 12203
OFFICE #: (518) 690-0790
FAX #: (518) 690-0793

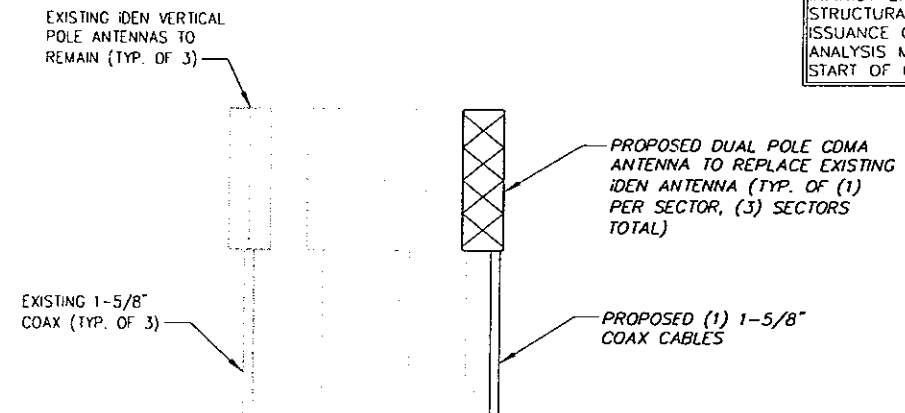
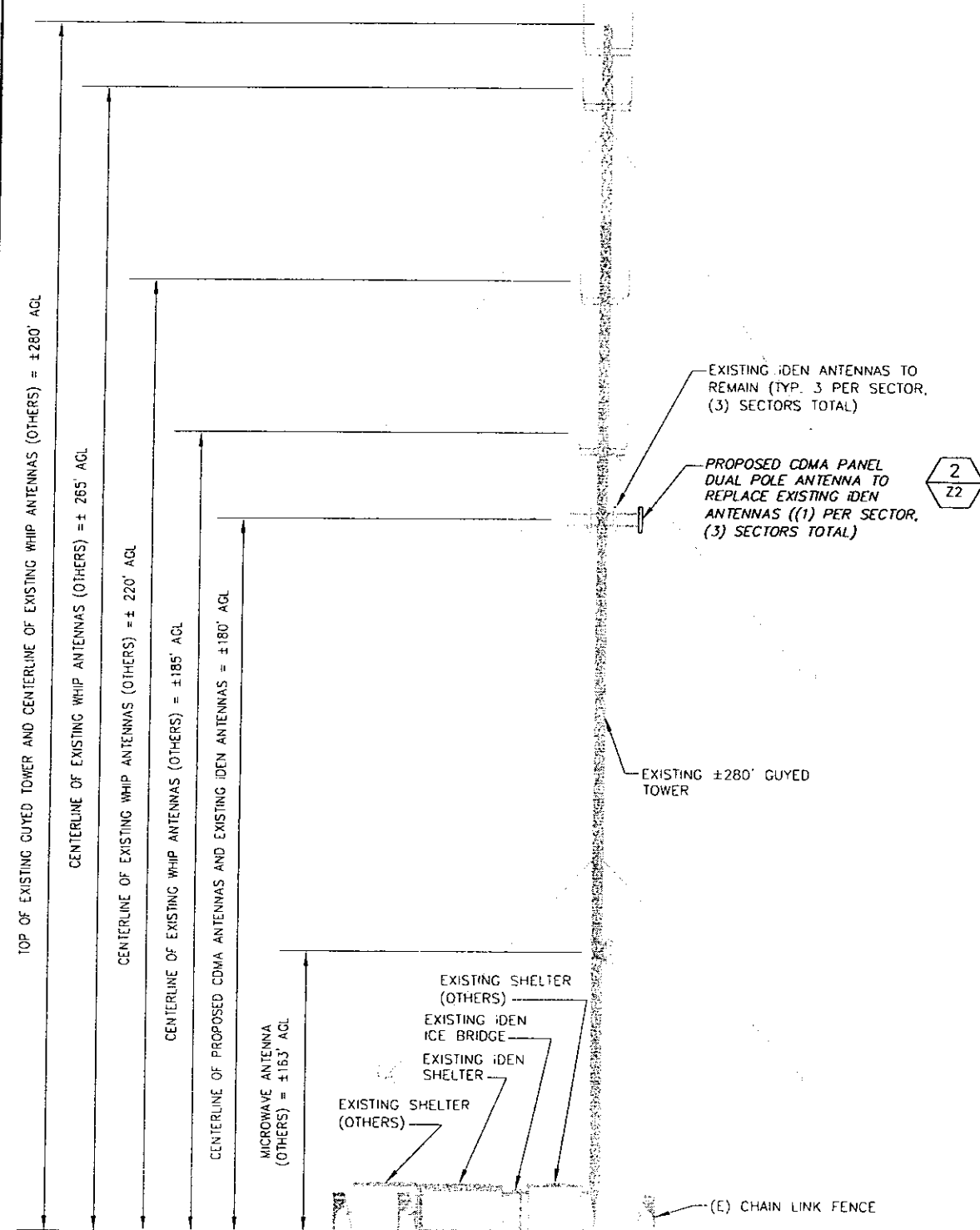
DIG ALERT:
CALL FOR UNDERGROUND UTILITIES PRIOR TO DIGGING:
1-800-922-4455
EMERGENCY:
CALL 911

RAD CENTER: 180' AGL
LATITUDE: 41° 36' 10.51"N
LONGITUDE: 72° 8' 38.51"W

WINDHAM COUNTY, CONNECTICUT

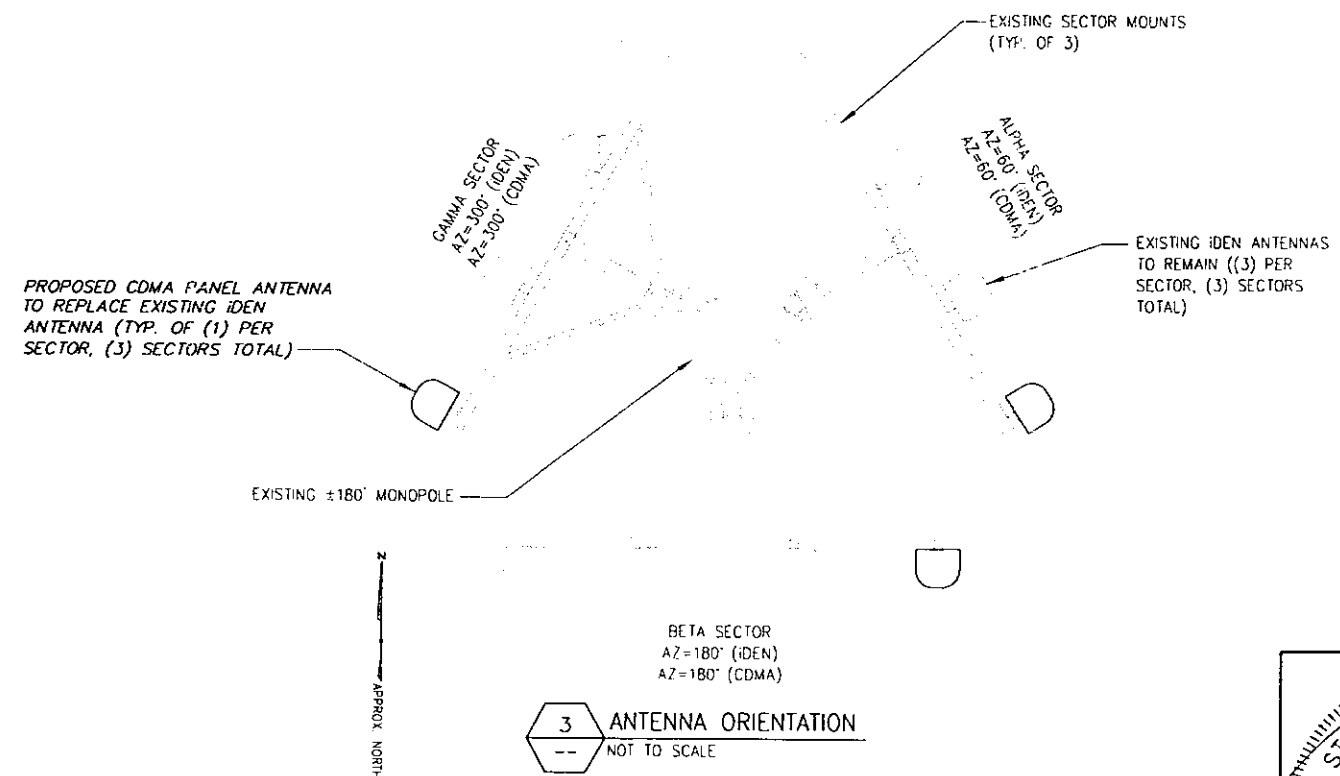


INFINIGY ENGINEERING HAS NOT COMPLETED A STRUCTURAL ANALYSIS AT THE TIME OF ISSUANCE OF THESE DRAWINGS. STRUCTURAL ANALYSIS MUST BE COMPLETED PRIOR TO THE START OF CONSTRUCTION.



ALPHA AZIMUTH: IDEN - 60°, CDMA - 60°
BETA AZIMUTH: IDEN - 180°, CDMA - 180°
GAMMA AZIMUTH: IDEN - 300°, CDMA - 300°

2 ALPHA, BETA & GAMMA PLUMBING DIAGRAMS
NOT TO SCALE



3 ANTENNA ORIENTATION
NOT TO SCALE

0	09/21/06	ISSUED FOR REVIEW	EKM	SJB	CJW
NO.	DATE	REVISIONS	BY	CHK	APP'D

infinigy
ENGINEERING
300 GREAT OAKS BLVD.
SUITE 312
ALBANY, NY 12203

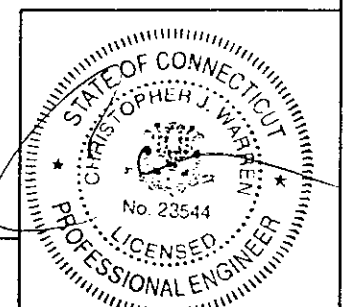


FRANKLIN
NOTT RD. LOT 10
FRANKLIN, CT 06254

ELEVATION VIEW & DETAILS
CT0965 / CT73XC005
DATE: 09/21/06

Z2

REV
0



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.