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

VIA ELECTRONIC MAIL

December 19, 2018

Michael Gentile
Site Acquisition
Centerline Communications, LLC
750 West Center Street, Floor 3
West Bridgewater, MA 02379

RE: **EM-CING-115-181211** – New Cingular Wireless PCS, LLC (AT&T) notice of intent to modify an existing telecommunications facility located at 178 New Haven Road, Prospect, Connecticut.

Dear Mr. Gentile:

The Connecticut Siting Council (Council) is in receipt of your correspondence of December 13, 2018 submitted in response to the Council's Decemeber 12, 2018 notification of an incomplete request for exempt modification with regard to the above-referenced matter.

The submission renders the request for exempt modification complete and the Council will process the request in accordance with the Federal Communications Commission 60-day timeframe.

Thank you for your attention and cooperation.

Sincerely,

Melanie A. Bachman
Executive Director

MAB/FOC/emr

Robidoux, Evan

From: Michael Gentile <mgentile@clinellc.com>
Sent: Thursday, December 13, 2018 1:10 PM
To: Robidoux, Evan
Cc: CSC-DL Siting Council; David Ford
Subject: RE: Council Incomplete Letter for EM-AT&T-115-181211-NewHavenRd-Prospect / CT2214
Attachments: 10035129.DE125.180829.MountAnalysis.pdf

Hi Evan,

In response to your attached letter, dated 12/12/18, here is the approved mount analysis that shows the equipment is within the allowable limits.

Please let me know if you need anything else to acknowledge and approve.

Thank you,

Mike Gentile
Centerline Communications, LLC
(508) 844-9813

From: Robidoux, Evan
Sent: Thursday, December 13, 2018 12:20 PM
To: Michael Gentile
Cc: CSC-DL Siting Council
Subject: Council Incomplete Letter for EM-AT&T-115-181211-NewHavenRd-Prospect

Please see the attached correspondence.

Evan Robidoux
Clerk Typist
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

August 29, 2018

Meredith Paynter
Centerline Communications, LLC.
95 Ryan Drive, Suite 1
Raynham, MA 02767
(508) 386-0863

B+T Group
1717 S. Boulder, Suite 300
Tulsa, OK 74119
(918) 587-4630
btwo@btgrp.com

Subject:	**Appurtenance Mount Analysis Report**	
Carrier Designation:	**Site Number:**	CT2214
	FA Number:	10035129
	Site Name:	Prospect Cludge Road
Engineering Firm Designation:	**B+T Group Project Number:**	127403.002.01
Site Data:	**Kluge Road, Prospect, CT, 06712, New Haven County** **Latitude *41.47224°*, Longitude *-72.97144°*** **Monopole** **(3) 17.333' T-Arm Mount**	

Dear Mr. Ford,

B+T Group is pleased to submit this **"Appurtenance Mount Analysis Report"** to determine the structural integrity of the antenna mount on the above-mentioned structure.

The purpose of the analysis is to determine acceptability of the mount's stress level. Based on our analysis we have determined the stress level for the mount under the following load case to be:

Existing + Proposed Equipment Note: See Table 1 for the final loading configuration	**Insufficient Capacity** (**Failing at 126.7%**)

This analysis has been performed in accordance with the 2012 International Building Code based upon an ultimate 3-second gust wind speed of 125 mph converted to a nominal 3-second gust wind speed of 97 mph per section 1609.3.1 as required for use in the ANSI/TIA-222-G Standard per Exception #5 of Section 1609.1.1. Exposure Category C and Risk Category II were used in this analysis.

All the equipment proposed in this report shall be installed in accordance with the drawings for the determined available structural capacity to be effective.

We at *B+T Group* appreciate the opportunity of providing our continuing professional services to you and *Centerline Communications, LLC*. If you have any questions or need further assistance on this or any other projects, please give us a call.

Mount structural analysis prepared by: Siva Tellakula

Respectfully submitted by: B&T Engineering, Inc.
COA: PEC.0001564 Expires: 02/10/2019

STATE OF CONNECTICUT
SCOTT S. VANCE
31627
LICENSED
PROFESSIONAL ENGINEER

8/29/18

Scott S. Vance, P.E.

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1) INTRODUCTION

The appurtenance mount consists of T-Arm mounts at 158ft., attached to monopole at Kluge Road, Prospect, CT, 06712, New Haven County. The proposed antenna loading information was obtained from Centerline Communications, LLC. All information provided to B+T Group was assumed accurate and complete.

2) ANALYSIS CRITERIA

The structural analysis was performed for this mount in accordance with the ANSI/TIA-222-G-2-2005 Structural Standard for Antenna Supporting Structures and Antennas – Addendum 2 using a 3-second gust nominal wind speed of 97 mph with no ice and 50 mph with 0.75 in radial ice. In addition, the T-Arm mount has been analyzed for load combinations consisting of 250 lbs. live load using Service wind speed of 30mph. The mount was analyzed under 30º increments in the wind direction. The analyzed loading is detailed in Table 1.

Table 1 – Proposed and Existing Equipment Information

Loading	RAD Center Elev. (ft.)	Position	Qty.	Manufacturer	Model / Type	Note
Proposed	162	4	3	CCI	HPA65R-BU8A	1
			3	Ericsson	4415 B25	2
		--	1	Raycap	DC6-48-60-18-8C	3
Existing	162	5	3	Andrew	SBNH-1D6565C	4
	161	1	3	Kathrein	800-10121	
			3	CCI	DTMABP7819VG12A	
		-	3	Ericsson	RRUS 11 B12	5
			1	Raycap	DC6-48-60-18-8F	

Note:
(1) Proposed Antenna to be installed on the existing Mount Pipe.
(2) Proposed Equipment to be installed directly behind the Antenna.
(3) Proposed Equipment to be installed on Mount
(4) Existing Equipment installed on the Mount.
(5) Existing Equipment installed on the tower

Table 2 - Documents Provided

Documents	Remarks	Reference	Source
RFDS	Existing Loading Proposed Loading	Date:05/09/2018	Centerline Communications, LLC.
Mount Mapping	B+T Group	Date: 08/18/2018	On File

3) ANALYSIS PROCEDURE

3.1) Analysis Method

RISA-3D (Version 16.0.5), a commercially available analysis software package, was used to create a three-dimensional model of the mount and calculate member stresses and deflections for various loading cases. Selected output from the analysis is included in Appendix A.

3.2) Assumptions

1. The mount was built in accordance with the manufacturer's specifications.
2. The mount has been maintained in accordance with the manufacturer's specifications and is free of damage.

3. The configuration of antennas and other appurtenances are as specified in Table 1.
4. All mount components have been assumed to be in sufficient condition to carry their full design capacity for the analysis.
5. Mount areas and weights are determined from field measurements, standard material properties, and/or manufacturer product data.
6. Serviceability with respect to antenna twist, tilt, roll or lateral translation is not checked and is left to the carrier or tower owner to ensure conformance.
7. All prior structural modifications, if any are assumed to be correctly installed and fully effective.
8. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.
9. The following material grades were assumed (Unless Noted Otherwise):
   a) Connection Bolts : ASTM A325
   b) Steel Pipe : ASTM A53 (GR. 35)
   c) HSS (Round) : ASTM 500 (GR. B-42)
   d) HSS (Rectangular) : ASTM 500 (GR. B-46)
   e) Channel : ASTM A36 (GR. 36)
   f) Steel Solid Rod : ASTM A36 (GR. 36)
   g) Steel Plate : ASTM A36 (GR. 36)
   h) Steel Angle : ASTM A36 (GR. 36)
   i) UNISTRUT : ASTM A570 (GR. 33)

This analysis may be affected if any assumptions are not valid or have been made in error. B+T Group should be notified to determine the effect on the structural integrity of the antenna mounting system.

4) ANALYSIS RESULTS

Table 3 – Mount Component Stresses vs. Capacity

Notes	Component	Elevation (ft.)	% Capacity	Pass / Fail
-	Main Horizontals	158	126.7	Fail
-	Supporting Horizontals	158	108.9	Fail
-	Supporting Angles	158	83.9	Pass
-	Connection Angles	158	3.3	Pass
-	Mount Pipes	158	94.9	Pass

5) RECOMMENDATIONS

The mount does not have sufficient capacity to carry the existing and proposed loads. The following members have exceeded their load carrying capacity for the existing and proposed loading (Refer to the RISA output for the specific members):

a) Mai Horizontals
b) Supporting Horizontals

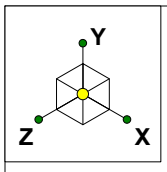
The mount cannot be modified with standard pre-manufactured reinforcements kits. Since major components of the existing mount are failing, it is recommended to replace the entire mount in all sectors with (3) new **Sabre, Part# C10-857-804** (based on the manufacturer's requirements and capacity chart).

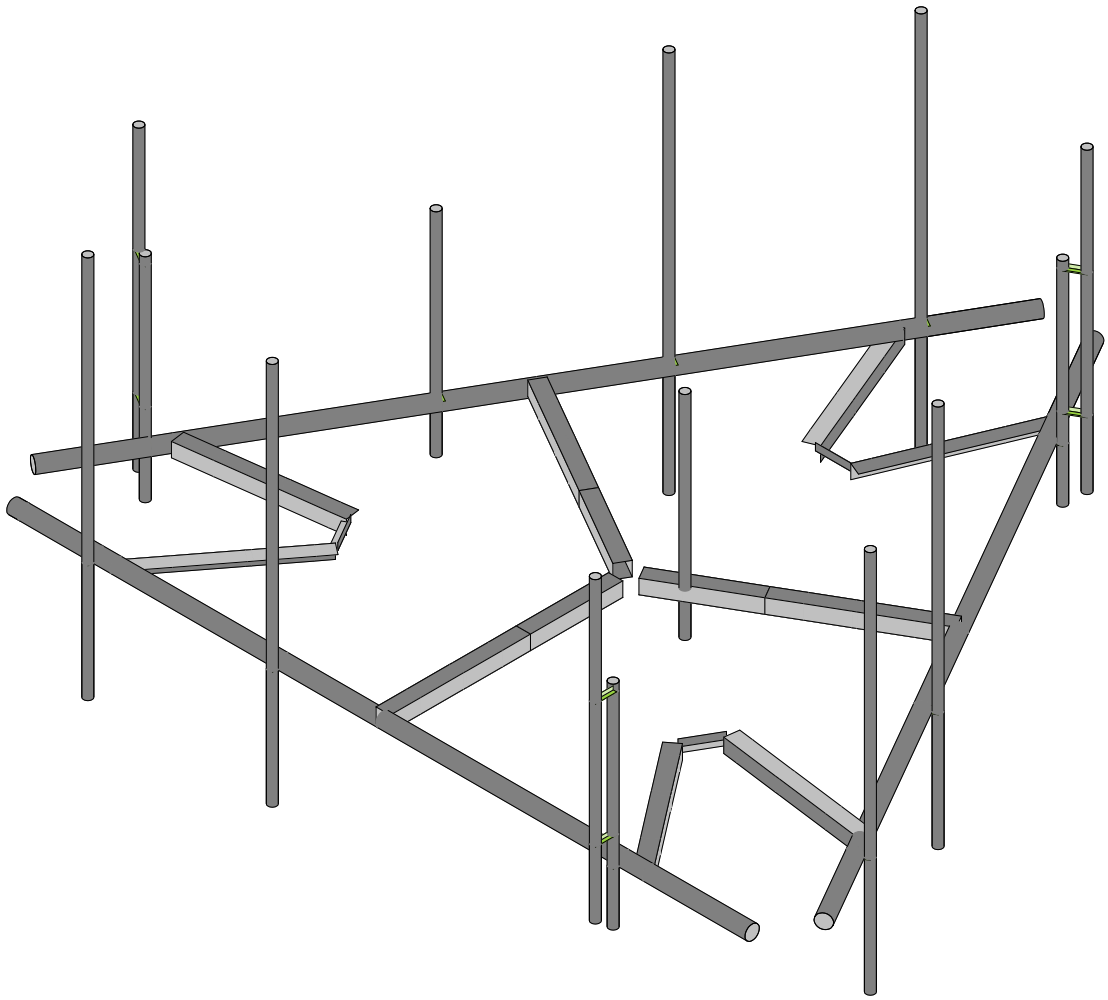
Proposed replacement cost is estimated to be **$18,350.**

After proposed replacement is made, the mount capacity is estimated to be at **45% of the manufacturers specified capacity.**
(Note: The RAD center on the replacement mount shall be lowered by 5 ft to connect to existing pole)

APPENDIX A

(RISA-3D Output)





Envelope Only Solution

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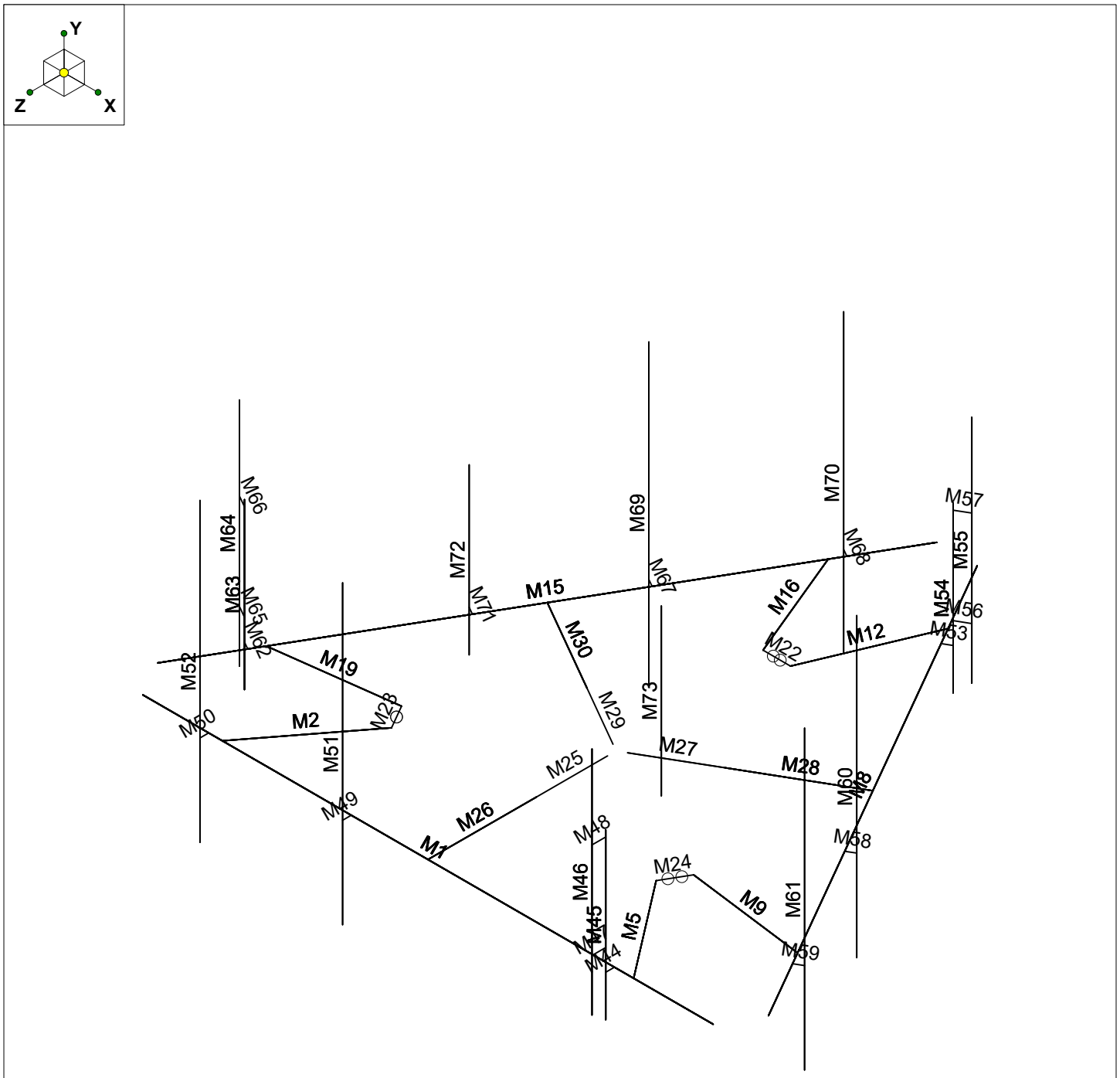

Envelope Only Solution

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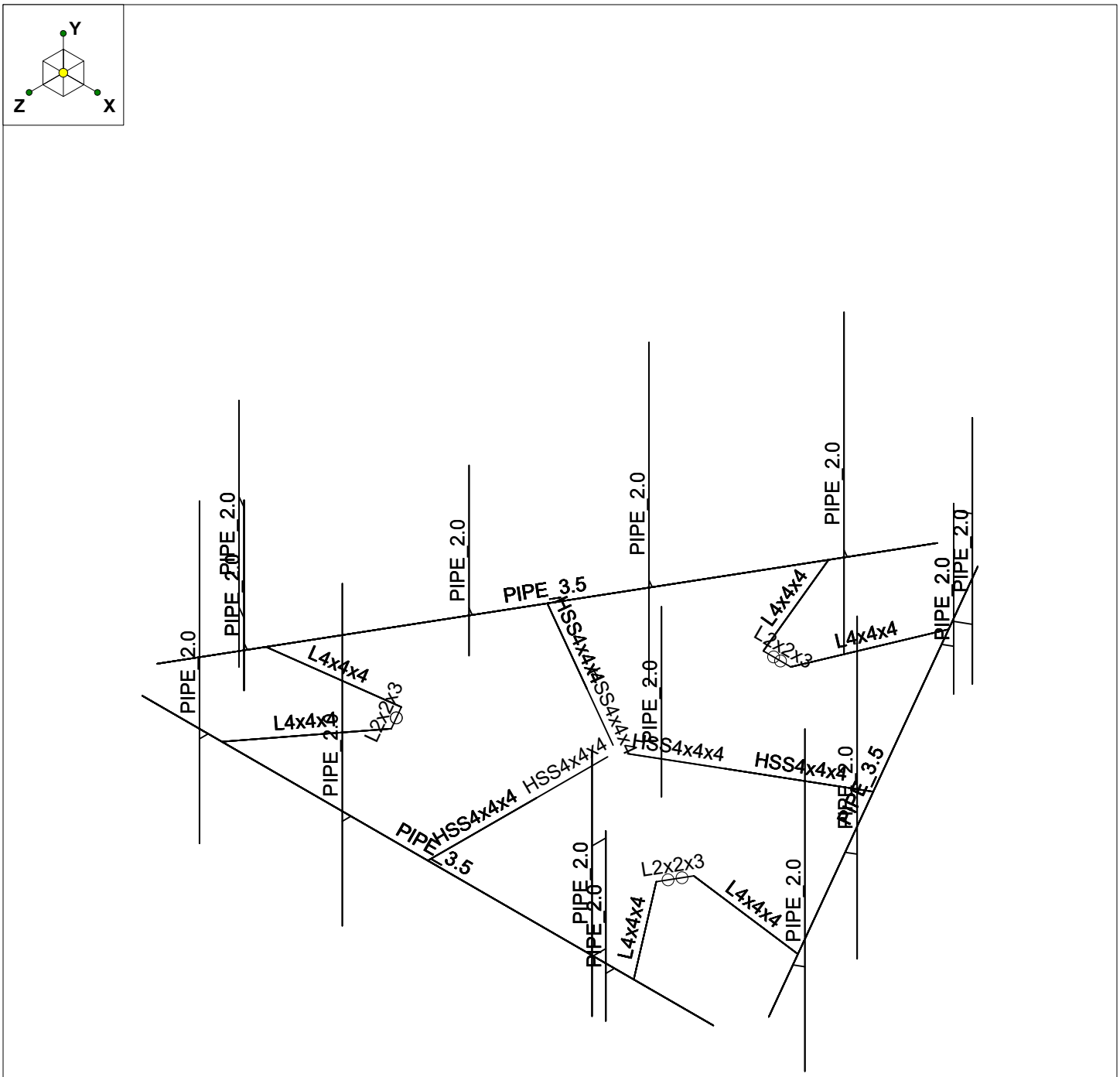

Envelope Only Solution

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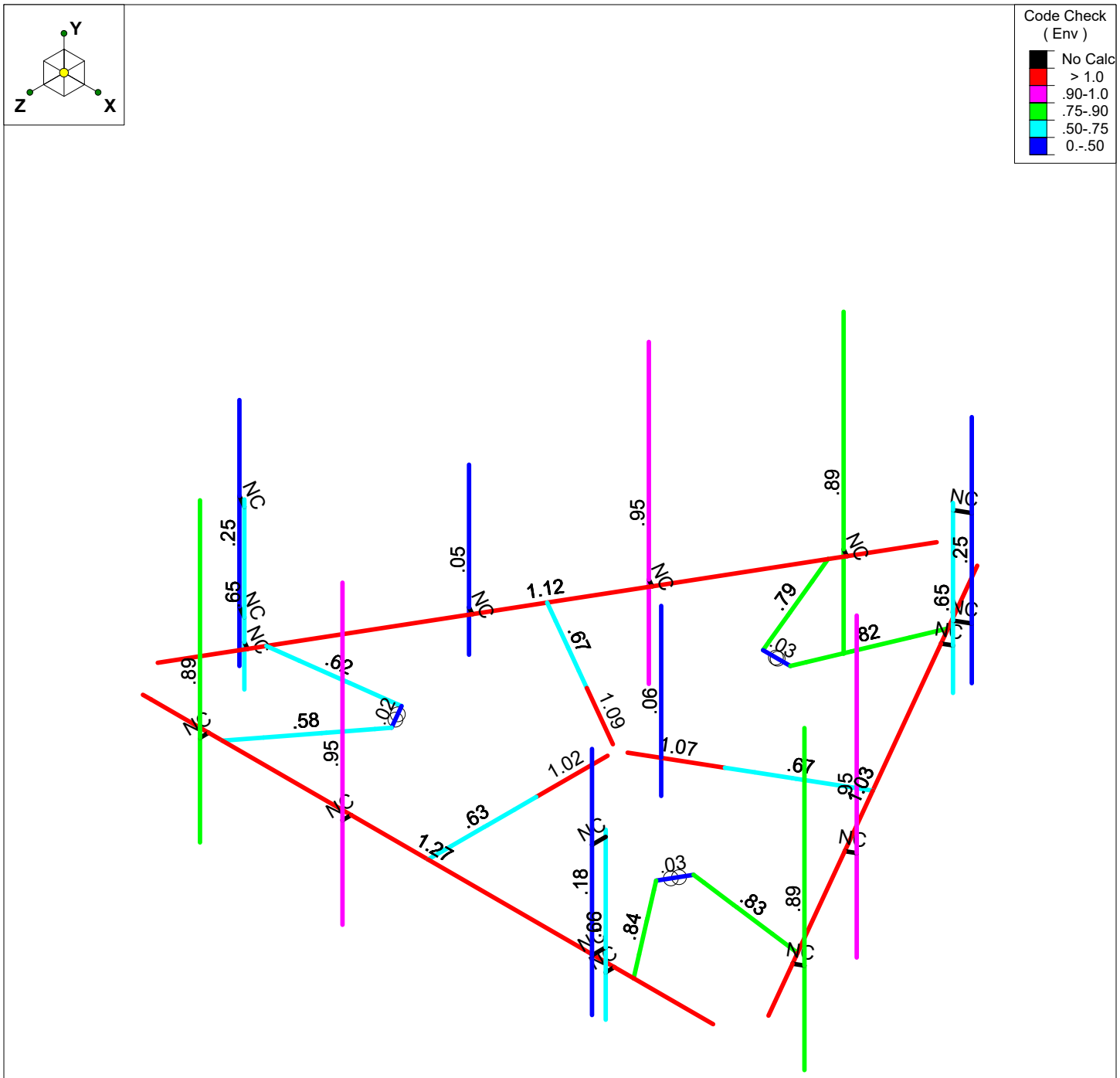

Member Code Checks Displayed (Enveloped)
Envelope Only Solution

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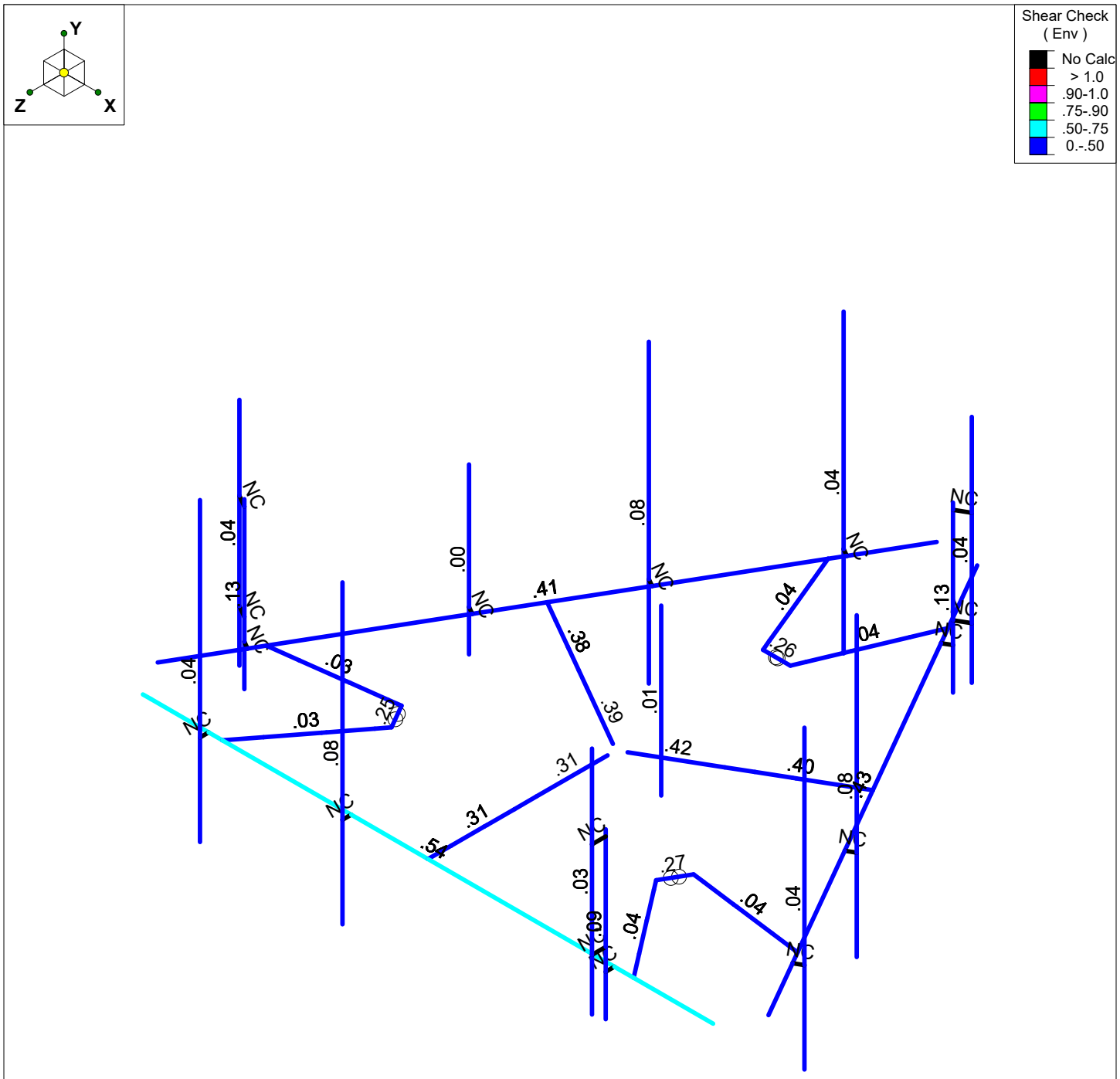

Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

B+T Group	CT2214 - Prospect Cludge Road	SK - 5
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Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rules	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	MF-H1	PIPE_3.5	Beam	Pipe	A53 Gr.B	Typical	2.5	4.52	4.52	9.04
2	MF-P1	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
3	F1-H1	HSS4x4x4	Beam	Tube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
4	F1-SA1	L4x4x4	Beam	Single Angle	A36 Gr.36	Typical	1.93	3	3	.044
5	F1-CA1	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N40	N1			MF-H1	Beam	Pipe	A53 Gr.B	Typical
2	M2	N2	N27		90	F1-SA1	Beam	Single Angle	A36 Gr.36	Typical
3	M5	N3	N30		180	F1-SA1	Beam	Single Angle	A36 Gr.36	Typical
4	M8	N8	N9			MF-H1	Beam	Pipe	A53 Gr.B	Typical
5	M9	N10	N29		90	F1-SA1	Beam	Single Angle	A36 Gr.36	Typical
6	M12	N11	N26		180	F1-SA1	Beam	Single Angle	A36 Gr.36	Typical
7	M15	N16	N17			MF-H1	Beam	Pipe	A53 Gr.B	Typical
8	M16	N18	N25		90	F1-SA1	Beam	Single Angle	A36 Gr.36	Typical
9	M19	N19	N28		180	F1-SA1	Beam	Single Angle	A36 Gr.36	Typical
10	M22	N25	N26		270	F1-CA1	Beam	Single Angle	A36 Gr.36	Typical
11	M23	N27	N28		270	F1-CA1	Beam	Single Angle	A36 Gr.36	Typical
12	M24	N29	N30		270	F1-CA1	Beam	Single Angle	A36 Gr.36	Typical
13	M25	N33	N31			F1-H1	Beam	Tube	A500 Gr.B...	Typical
14	M26	N32	N33			F1-H1	Beam	Tube	A500 Gr.B...	Typical
15	M27	N36	N34			F1-H1	Beam	Tube	A500 Gr.B...	Typical
16	M28	N35	N36			F1-H1	Beam	Tube	A500 Gr.B...	Typical
17	M29	N39	N37			F1-H1	Beam	Tube	A500 Gr.B...	Typical
18	M30	N38	N39			F1-H1	Beam	Tube	A500 Gr.B...	Typical
19	M44	N54	N55			RIGID	None	None	RIGID	Typical
20	M45	N56	N57			MF-P1	Column	Pipe	A53 Gr.B	Typical
21	M46	N58	N59			MF-P1	Column	Pipe	A53 Gr.B	Typical
22	M47	N60	N61			RIGID	None	None	RIGID	Typical
23	M48	N62	N63			RIGID	None	None	RIGID	Typical
24	M49	N64	N65			RIGID	None	None	RIGID	Typical
25	M50	N66	N67			RIGID	None	None	RIGID	Typical
26	M51	N68	N69			MF-P1	Column	Pipe	A53 Gr.B	Typical
27	M52	N70	N71			MF-P1	Column	Pipe	A53 Gr.B	Typical
28	M53	N72	N73			RIGID	None	None	RIGID	Typical
29	M54	N74	N75			MF-P1	Column	Pipe	A53 Gr.B	Typical
30	M55	N76	N77			MF-P1	Column	Pipe	A53 Gr.B	Typical
31	M56	N78	N79			RIGID	None	None	RIGID	Typical
32	M57	N80	N81			RIGID	None	None	RIGID	Typical
33	M58	N82	N83			RIGID	None	None	RIGID	Typical
34	M59	N84	N85			RIGID	None	None	RIGID	Typical
35	M60	N86	N87			MF-P1	Column	Pipe	A53 Gr.B	Typical
36	M61	N88	N89			MF-P1	Column	Pipe	A53 Gr.B	Typical
37	M62	N90	N91			RIGID	None	None	RIGID	Typical
38	M63	N92	N93			MF-P1	Column	Pipe	A53 Gr.B	Typical
39	M64	N94	N95			MF-P1	Column	Pipe	A53 Gr.B	Typical
40	M65	N96	N97			RIGID	None	None	RIGID	Typical
41	M66	N98	N99			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
42	M67	N100	N101			RIGID	None	None	RIGID	Typical
43	M68	N102	N103			RIGID	None	None	RIGID	Typical
44	M69	N104	N105			MF-P1	Column	Pipe	A53 Gr.B	Typical
45	M70	N106	N107			MF-P1	Column	Pipe	A53 Gr.B	Typical
46	M71	N108	N109			RIGID	None	None	RIGID	Typical
47	M72	N110	N111			MF-P1	Column	Pipe	A53 Gr.B	Typical
48	M73	N112	N113			MF-P1	Column	Pipe	A53 Gr.B	Typical

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Dead	DL		-1			50		6	
2	0 Wind - No Ice	WLZ					50	32		
3	90 Wind - No Ice	WLX					50	32		
4	0 Wind - Ice	WLZ					50	32		
5	90 Wind - Ice	WLX					50	32		
6	0 Wind - Service	WLZ					50	32		
7	90 Wind - Service	WLX					50	32		
8	Ice	OL1					50	32	6	
9	Live Load a	LL				3				
10	Live Load b	LL				3				
11	Live Load c	LL				1				
12	Live Load d	LL				3				
13	Maint LL 1	LL					1			
14	Maint LL 2	LL					1			
15	Maint LL 3	LL					1			
16	Maint LL 4	LL					1			
17	Maint LL 5	LL					1			
18	Maint LL 6	LL					1			
19	Maint LL 7	LL					1			
20	Maint LL 8	LL					1			
21	Maint LL 9	LL					1			
22	Maint LL 10	LL								
23	Maint LL 11	LL								
24	Maint LL 12	LL								
25	Maint LL 13	LL								
26	Maint LL 14	LL								
27	Maint LL 15	LL								
28	BLC 1 Transient Area ...	None						67		
29	BLC 8 Transient Area ...	None						87		

Load Combinations

	Description	Sol...	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	1.4 Dead	Yes	Y		1	1.4																		
2	0.9 D + 1.6 - 0 W	Yes	Y		1	.9	2	1.6																
3	0.9 D + 1.6 - 30 W	Yes	Y		1	.9	2	1....	3	.8														
4	0.9 D + 1.6 - 60 W	Yes	Y		1	.9	3	1....	2	.8														
5	0.9 D + 1.6 - 90 W	Yes	Y		1	.9	3	1.6																
6	0.9 D + 1.6 - 120 W	Yes	Y		1	.9	3	1....	2	-.8														
7	0.9 D + 1.6 - 150 W	Yes	Y		1	.9	2	-1....	3	.8														

Load Combinations (Continued)

	Description	Sol...	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
8	0.9 D + 1.6 - 180 W	Yes	Y		1	.9	2	-1.6																
9	0.9 D + 1.6 - 210 W	Yes	Y		1	.9	2	-1....	3	-.8														
10	0.9 D + 1.6 - 240 W	Yes	Y		1	.9	3	-1....	2	-.8														
11	0.9 D + 1.6 - 270 W	Yes	Y		1	.9	3	-1.6																
12	0.9 D + 1.6 - 300 W	Yes	Y		1	.9	3	-1....	2	.8														
13	0.9 D + 1.6 - 330 W	Yes	Y		1	.9	2	1....	3	-.8														
14	1.2 D + 1.6 - 0 W	Yes	Y		1	1.2	2	1.6																
15	1.2 D + 1.6 - 30 W	Yes	Y		1	1.2	2	1....	3	.8														
16	1.2 D + 1.6 - 60 W	Yes	Y		1	1.2	3	1....	2	.8														
17	1.2 D + 1.6 - 90 W	Yes	Y		1	1.2	3	1.6																
18	1.2 D + 1.6 - 120 W	Yes	Y		1	1.2	3	1....	2	-.8														
19	1.2 D + 1.6 - 150 W	Yes	Y		1	1.2	2	-1....	3	.8														
20	1.2 D + 1.6 - 180 W	Yes	Y		1	1.2	2	-1.6																
21	1.2 D + 1.6 - 210 W	Yes	Y		1	1.2	2	-1....	3	-.8														
22	1.2 D + 1.6 - 240 W	Yes	Y		1	1.2	3	-1....	2	-.8														
23	1.2 D + 1.6 - 270 W	Yes	Y		1	1.2	3	-1.6																
24	1.2 D + 1.6 - 300 W	Yes	Y		1	1.2	3	-1....	2	.8														
25	1.2 D + 1.6 - 330 W	Yes	Y		1	1.2	2	1....	3	-.8														
26	0.9 D + 1.6 - 0 W/Ice	Yes	Y		1	.9	4	1.6			8	1												
27	0.9 D + 1.6 - 30 W/Ice	Yes	Y		1	.9	4	1....	5	.8	8	1												
28	0.9 D + 1.6 - 60 W/Ice	Yes	Y		1	.9	5	1....	4	.8	8	1												
29	0.9 D + 1.6 - 90 W/Ice	Yes	Y		1	.9	5	1.6			8	1												
30	0.9 D + 1.6 - 120 W/Ice	Yes	Y		1	.9	5	1....	4	-.8	8	1												
31	0.9 D + 1.6 - 150 W/Ice	Yes	Y		1	.9	4	-1....	5	.8	8	1												
32	0.9 D + 1.6 - 180 W/Ice	Yes	Y		1	.9	4	-1.6			8	1												
33	0.9 D + 1.6 - 210 W/Ice	Yes	Y		1	.9	4	-1....	5	-.8	8	1												
34	0.9 D + 1.6 - 240 W/Ice	Yes	Y		1	.9	5	-1....	4	-.8	8	1												
35	0.9 D + 1.6 - 270 W/Ice	Yes	Y		1	.9	5	-1.6			8	1												
36	0.9 D + 1.6 - 300 W/Ice	Yes	Y		1	.9	5	-1....	4	.8	8	1												
37	0.9 D + 1.6 - 330 W/Ice	Yes	Y		1	.9	4	1....	5	-.8	8	1												
38	1.2 D + 1.0 - 0 W/Ice	Yes	Y		1	1.2	4	1			8	1												
39	1.2 D + 1.0 - 30 W/Ice	Yes	Y		1	1.2	4	.866	5	.5	8	1												
40	1.2 D + 1.0 - 60 W/Ice	Yes	Y		1	1.2	5	.866	4	.5	8	1												
41	1.2 D + 1.0 - 90 W/Ice	Yes	Y		1	1.2	5	1			8	1												
42	1.2 D + 1.0 - 120 W/Ice	Yes	Y		1	1.2	5	.866	4	-.5	8	1												
43	1.2 D + 1.0 - 150 W/Ice	Yes	Y		1	1.2	4	-.8...	5	.5	8	1												
44	1.2 D + 1.0 - 180 W/Ice	Yes	Y		1	1.2	4	-1			8	1												
45	1.2 D + 1.0 - 210 W/Ice	Yes	Y		1	1.2	4	-.8...	5	-.5	8	1												
46	1.2 D + 1.0 - 240 W/Ice	Yes	Y		1	1.2	5	-.8...	4	-.5	8	1												
47	1.2 D + 1.0 - 270 W/Ice	Yes	Y		1	1.2	5	-1			8	1												
48	1.2 D + 1.0 - 300 W/Ice	Yes	Y		1	1.2	5	-.8...	4	.5	8	1												
49	1.2 D + 1.0 - 330 W/Ice	Yes	Y		1	1.2	4	.866	5	-.5	8	1												
50	1.2 D + 1.5 LL a + Service - 0 W	Yes	Y		1	1.2	6	1			9	1.5												
51	1.2 D + 1.5 LL a + Service - 30 W	Yes	Y		1	1.2	6	.866	7	.5	9	1.5												
52	1.2 D + 1.5 LL a + Service - 60 W	Yes	Y		1	1.2	7	.866	6	.5	9	1.5												
53	1.2 D + 1.5 LL a + Service - 90 W	Yes	Y		1	1.2	7	1			9	1.5												
54	1.2 D + 1.5 LL a + Service - 120 W	Yes	Y		1	1.2	7	.866	6	-.5	9	1.5												
55	1.2 D + 1.5 LL a + Service - 150 W	Yes	Y		1	1.2	6	-.8...	7	.5	9	1.5												
56	1.2 D + 1.5 LL a + Service - 180 W	Yes	Y		1	1.2	6	-1			9	1.5												
57	1.2 D + 1.5 LL a + Service - 210 W	Yes	Y		1	1.2	6	-.8...	7	-.5	9	1.5												
58	1.2 D + 1.5 LL a + Service - 240 W	Yes	Y		1	1.2	7	-.8...	6	-.5	9	1.5												
59	1.2 D + 1.5 LL a + Service - 270 W	Yes	Y		1	1.2	7	-1			9	1.5												

Load Combinations (Continued)

	Description	Sol...	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
60	1.2 D + 1.5 LL a + Service - 300 W	Yes	Y		1	1.2	7	-.8...	6	.5	9	1.5												
61	1.2 D + 1.5 LL a + Service - 330 W	Yes	Y		1	1.2	6	.866	7	-.5	9	1.5												
62	1.2 D + 1.5 LL b + Service - 0 W	Yes	Y		1	1.2	6	1			10	1.5												
63	1.2 D + 1.5 LL b + Service - 30 W	Yes	Y		1	1.2	6	.866	7	.5	10	1.5												
64	1.2 D + 1.5 LL b + Service - 60 W	Yes	Y		1	1.2	7	.866	6	.5	10	1.5												
65	1.2 D + 1.5 LL b + Service - 90 W	Yes	Y		1	1.2	7	1			10	1.5												
66	1.2 D + 1.5 LL b + Service - 120 W	Yes	Y		1	1.2	7	.866	6	-.5	10	1.5												
67	1.2 D + 1.5 LL b + Service - 150 W	Yes	Y		1	1.2	6	-.8...	7	.5	10	1.5												
68	1.2 D + 1.5 LL b + Service - 180 W	Yes	Y		1	1.2	6	-1			10	1.5												
69	1.2 D + 1.5 LL b + Service - 210 W	Yes	Y		1	1.2	6	-.8...	7	-.5	10	1.5												
70	1.2 D + 1.5 LL b + Service - 240 W	Yes	Y		1	1.2	7	-.8...	6	-.5	10	1.5												
71	1.2 D + 1.5 LL b + Service - 270 W	Yes	Y		1	1.2	7	-1			10	1.5												
72	1.2 D + 1.5 LL b + Service - 300 W	Yes	Y		1	1.2	7	-.8...	6	.5	10	1.5												
73	1.2 D + 1.5 LL b + Service - 330 W	Yes	Y		1	1.2	6	.866	7	-.5	10	1.5												
74	1.2 D + 1.5 LL c + Service - 0 W	Yes	Y		1	1.2	6	1			11	1.5												
75	1.2 D + 1.5 LL c + Service - 30 W	Yes	Y		1	1.2	6	.866	7	.5	11	1.5												
76	1.2 D + 1.5 LL c + Service - 60 W	Yes	Y		1	1.2	7	.866	6	.5	11	1.5												
77	1.2 D + 1.5 LL c + Service - 90 W	Yes	Y		1	1.2	7	1			11	1.5												
78	1.2 D + 1.5 LL c + Service - 120 W	Yes	Y		1	1.2	7	.866	6	-.5	11	1.5												
79	1.2 D + 1.5 LL c + Service - 150 W	Yes	Y		1	1.2	6	-.8...	7	.5	11	1.5												
80	1.2 D + 1.5 LL c + Service - 180 W	Yes	Y		1	1.2	6	-1			11	1.5												
81	1.2 D + 1.5 LL c + Service - 210 W	Yes	Y		1	1.2	6	-.8...	7	-.5	11	1.5												
82	1.2 D + 1.5 LL c + Service - 240 W	Yes	Y		1	1.2	7	-.8...	6	-.5	11	1.5												
83	1.2 D + 1.5 LL c + Service - 270 W	Yes	Y		1	1.2	7	-1			11	1.5												
84	1.2 D + 1.5 LL c + Service - 300 W	Yes	Y		1	1.2	7	-.8...	6	.5	11	1.5												
85	1.2 D + 1.5 LL c + Service - 330 W	Yes	Y		1	1.2	6	.866	7	-.5	11	1.5												
86	1.2 D + 1.5 LL d + Service - 0 W	Yes	Y		1	1.2	6	1			12	1.5												
87	1.2 D + 1.5 LL d + Service - 30 W	Yes	Y		1	1.2	6	.866	7	.5	12	1.5												
88	1.2 D + 1.5 LL d + Service - 60 W	Yes	Y		1	1.2	7	.866	6	.5	12	1.5												
89	1.2 D + 1.5 LL d + Service - 90 W	Yes	Y		1	1.2	7	1			12	1.5												
90	1.2 D + 1.5 LL d + Service - 120 W	Yes	Y		1	1.2	7	.866	6	-.5	12	1.5												
91	1.2 D + 1.5 LL d + Service - 150 W	Yes	Y		1	1.2	6	-.8...	7	.5	12	1.5												
92	1.2 D + 1.5 LL d + Service - 180 W	Yes	Y		1	1.2	6	-1			12	1.5												
93	1.2 D + 1.5 LL d + Service - 210 W	Yes	Y		1	1.2	6	-.8...	7	-.5	12	1.5												
94	1.2 D + 1.5 LL d + Service - 240 W	Yes	Y		1	1.2	7	-.8...	6	-.5	12	1.5												
95	1.2 D + 1.5 LL d + Service - 270 W	Yes	Y		1	1.2	7	-1			12	1.5												
96	1.2 D + 1.5 LL d + Service - 300 W	Yes	Y		1	1.2	7	-.8...	6	.5	12	1.5												
97	1.2 D + 1.5 LL d + Service - 330 W	Yes	Y		1	1.2	6	.866	7	-.5	12	1.5												
98	1.2 D + 1.5 LL Maint (1)	Yes	Y		1	1.2					13	1.5												
99	1.2 D + 1.5 LL Maint (2)	Yes	Y		1	1.2					14	1.5												
100	1.2 D + 1.5 LL Maint (3)	Yes	Y		1	1.2					15	1.5												
101	1.2 D + 1.5 LL Maint (4)	Yes	Y		1	1.2					16	1.5												
102	1.2 D + 1.5 LL Maint (5)	Yes	Y		1	1.2					17	1.5												
103	1.2 D + 1.5 LL Maint (6)	Yes	Y		1	1.2					18	1.5												
104	1.2 D + 1.5 LL Maint (7)	Yes	Y		1	1.2					19	1.5												
105	1.2 D + 1.5 LL Maint (8)	Yes	Y		1	1.2					20	1.5												
106	1.2 D + 1.5 LL Maint (9)	Yes	Y		1	1.2					21	1.5												
107	1.2 D + 1.5 LL Maint (10)	Yes	Y		1	1.2					22	1.5												
108	1.2 D + 1.5 LL Maint (11)	Yes	Y		1	1.2					23	1.5												
109	1.2 D + 1.5 LL Maint (12)	Yes	Y		1	1.2					24	1.5												
110	1.2 D + 1.5 LL Maint (13)	Yes	Y		1	1.2					25	1.5												
111	1.2 D + 1.5 LL Maint (14)	Yes	Y		1	1.2					26	1.5												

Load Combinations (Continued)

	Description	Sol...	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
112	1.2 D + 1.5 LL Maint (15)	Yes	Y		1	1.2					27	1.5												

Member Point Loads (BLC 1 : Dead)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1	M46	Y	-.022	%15
2	M46	Y	-.022	%75
3	M46	Y	-.019	%60
4	M46	Y	0	0
5	M46	Y	0	0
6	M51	Y	-.027	%20
7	M51	Y	-.027	%65
8	M51	Y	-.044	%50
9	M51	Y	0	0
10	M51	Y	0	0
11	M52	Y	-.033	%15
12	M52	Y	-.033	%75
13	M52	Y	0	0
14	M52	Y	0	0
15	M52	Y	0	0
16	M64	Y	-.022	%15
17	M64	Y	-.022	%75
18	M64	Y	-.019	%60
19	M64	Y	0	0
20	M64	Y	0	0
21	M69	Y	-.027	%20
22	M69	Y	-.027	%65
23	M69	Y	-.044	%50
24	M69	Y	0	0
25	M69	Y	0	0
26	M70	Y	-.033	%15
27	M70	Y	-.033	%75
28	M70	Y	0	0
29	M70	Y	0	0
30	M70	Y	0	0
31	M55	Y	-.022	%15
32	M55	Y	-.022	%75
33	M55	Y	-.019	%60
34	M55	Y	0	0
35	M55	Y	0	0
36	M60	Y	-.027	%20
37	M60	Y	-.027	%65
38	M60	Y	-.044	%50
39	M60	Y	0	0
40	M60	Y	0	0
41	M61	Y	-.033	%15
42	M61	Y	-.033	%75
43	M61	Y	0	0
44	M61	Y	0	0
45	M61	Y	0	0
46	M73	Y	-.033	%25

Member Point Loads (BLC 1 : Dead) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
47	M73	Y	0	0
48	M73	Y	0	0
49	M73	Y	0	0
50	M73	Y	0	0

Member Point Loads (BLC 2 : 0 Wind - No Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1	M46	Z	-.083	%15
2	M46	Z	-.083	%75
3	M46	Z	-.031	%60
4	M46	Z	0	0
5	M46	Z	0	0
6	M51	Z	-.18	%20
7	M51	Z	-.18	%65
8	M51	Z	-.053	%50
9	M51	Z	0	0
10	M51	Z	0	0
11	M52	Z	-.183	%15
12	M52	Z	-.183	%75
13	M52	Z	0	0
14	M52	Z	0	0
15	M52	Z	0	0
16	M64	Z	-.083	%15
17	M64	Z	-.083	%75
18	M64	Z	-.031	%60
19	M64	Z	0	0
20	M64	Z	0	0
21	M69	Z	-.18	%20
22	M69	Z	-.18	%65
23	M69	Z	-.053	%50
24	M69	Z	0	0
25	M69	Z	0	0
26	M70	Z	-.183	%15
27	M70	Z	-.183	%75
28	M70	Z	0	0
29	M70	Z	0	0
30	M70	Z	0	0
31	M55	Z	-.083	%15
32	M55	Z	-.083	%75
33	M55	Z	-.031	%60
34	M55	Z	0	0
35	M55	Z	0	0
36	M60	Z	-.18	%20
37	M60	Z	-.18	%65
38	M60	Z	-.053	%50
39	M60	Z	0	0
40	M60	Z	0	0
41	M61	Z	-.183	%15
42	M61	Z	-.183	%75
43	M61	Z	0	0
44	M61	Z	0	0

Member Point Loads (BLC 2 : 0 Wind - No Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
45	M61	Z	0	0
46	M73	Z	-.039	%25
47	M73	Z	0	0
48	M73	Z	0	0
49	M73	Z	0	0
50	M73	Z	0	0

Member Point Loads (BLC 3 : 90 Wind - No Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1	M46	X	-.047	%15
2	M46	X	-.047	%75
3	M46	X	-.011	%60
4	M46	X	0	0
5	M46	X	0	0
6	M51	X	-.117	%20
7	M51	X	-.117	%65
8	M51	X	-.021	%50
9	M51	X	0	0
10	M51	X	0	0
11	M52	X	-.109	%15
12	M52	X	-.109	%75
13	M52	X	0	0
14	M52	X	0	0
15	M52	X	0	0
16	M64	X	-.047	%15
17	M64	X	-.047	%75
18	M64	X	-.011	%60
19	M64	X	0	0
20	M64	X	0	0
21	M69	X	-.117	%20
22	M69	X	-.117	%65
23	M69	X	-.021	%50
24	M69	X	0	0
25	M69	X	0	0
26	M70	X	-.109	%15
27	M70	X	-.109	%75
28	M70	X	0	0
29	M70	X	0	0
30	M70	X	0	0
31	M55	X	-.047	%15
32	M55	X	-.047	%75
33	M55	X	-.011	%60
34	M55	X	0	0
35	M55	X	0	0
36	M60	X	-.117	%20
37	M60	X	-.117	%65
38	M60	X	-.021	%50
39	M60	X	0	0
40	M60	X	0	0
41	M61	X	-.109	%15
42	M61	X	-.109	%75

Member Point Loads (BLC 3 : 90 Wind - No Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
43	M61	X	0	0
44	M61	X	0	0
45	M61	X	0	0
46	M73	X	-.039	%25
47	M73	X	0	0
48	M73	X	0	0
49	M73	X	0	0
50	M73	X	0	0

Member Point Loads (BLC 4 : 0 Wind - Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1	M46	Z	-.031	%15
2	M46	Z	-.031	%75
3	M46	Z	-.015	%60
4	M46	Z	0	0
5	M46	Z	0	0
6	M51	Z	-.063	%20
7	M51	Z	-.063	%65
8	M51	Z	-.022	%50
9	M51	Z	0	0
10	M51	Z	0	0
11	M52	Z	-.064	%15
12	M52	Z	-.064	%75
13	M52	Z	0	0
14	M52	Z	0	0
15	M52	Z	0	0
16	M64	Z	-.031	%15
17	M64	Z	-.031	%75
18	M64	Z	-.015	%60
19	M64	Z	0	0
20	M64	Z	0	0
21	M69	Z	-.063	%20
22	M69	Z	-.063	%65
23	M69	Z	-.022	%50
24	M69	Z	0	0
25	M69	Z	0	0
26	M70	Z	-.064	%15
27	M70	Z	-.064	%75
28	M70	Z	0	0
29	M70	Z	0	0
30	M70	Z	0	0
31	M55	Z	-.031	%15
32	M55	Z	-.031	%75
33	M55	Z	-.015	%60
34	M55	Z	0	0
35	M55	Z	0	0
36	M60	Z	-.063	%20
37	M60	Z	-.063	%65
38	M60	Z	-.022	%50
39	M60	Z	0	0
40	M60	Z	0	0

Member Point Loads (BLC 4 : 0 Wind - Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
41	M61	Z	-.064	%15
42	M61	Z	-.064	%75
43	M61	Z	0	0
44	M61	Z	0	0
45	M61	Z	0	0
46	M73	Z	-.015	%25
47	M73	Z	0	0
48	M73	Z	0	0
49	M73	Z	0	0
50	M73	Z	0	0

Member Point Loads (BLC 5 : 90 Wind - Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1	M46	X	-.021	%15
2	M46	X	-.021	%75
3	M46	X	-.007	%60
4	M46	X	0	0
5	M46	X	0	0
6	M51	X	-.046	%20
7	M51	X	-.046	%65
8	M51	X	-.012	%50
9	M51	X	0	0
10	M51	X	0	0
11	M52	X	-.044	%15
12	M52	X	-.044	%75
13	M52	X	0	0
14	M52	X	0	0
15	M52	X	0	0
16	M64	X	-.021	%15
17	M64	X	-.021	%75
18	M64	X	-.007	%60
19	M64	X	0	0
20	M64	X	0	0
21	M69	X	-.046	%20
22	M69	X	-.046	%65
23	M69	X	-.012	%50
24	M69	X	0	0
25	M69	X	0	0
26	M70	X	-.044	%15
27	M70	X	-.044	%75
28	M70	X	0	0
29	M70	X	0	0
30	M70	X	0	0
31	M55	X	-.021	%15
32	M55	X	-.021	%75
33	M55	X	-.007	%60
34	M55	X	0	0
35	M55	X	0	0
36	M60	X	-.046	%20
37	M60	X	-.046	%65
38	M60	X	-.012	%50

Member Point Loads (BLC 5 : 90 Wind - Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
39	M60	X	0	0
40	M60	X	0	0
41	M61	X	-.044	%15
42	M61	X	-.044	%75
43	M61	X	0	0
44	M61	X	0	0
45	M61	X	0	0
46	M73	X	-.015	%25
47	M73	X	0	0
48	M73	X	0	0
49	M73	X	0	0
50	M73	X	0	0

Member Point Loads (BLC 6 : 0 Wind - Service)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1	M46	Z	-.008	%15
2	M46	Z	-.008	%75
3	M46	Z	-.003	%60
4	M46	Z	0	0
5	M46	Z	0	0
6	M51	Z	-.017	%20
7	M51	Z	-.017	%65
8	M51	Z	-.005	%50
9	M51	Z	0	0
10	M51	Z	0	0
11	M52	Z	-.017	%15
12	M52	Z	-.017	%75
13	M52	Z	0	0
14	M52	Z	0	0
15	M52	Z	0	0
16	M64	Z	-.008	%15
17	M64	Z	-.008	%75
18	M64	Z	-.003	%60
19	M64	Z	0	0
20	M64	Z	0	0
21	M69	Z	-.017	%20
22	M69	Z	-.017	%65
23	M69	Z	-.005	%50
24	M69	Z	0	0
25	M69	Z	0	0
26	M70	Z	-.017	%15
27	M70	Z	-.017	%75
28	M70	Z	0	0
29	M70	Z	0	0
30	M70	Z	0	0
31	M55	Z	-.008	%15
32	M55	Z	-.008	%75
33	M55	Z	-.003	%60
34	M55	Z	0	0
35	M55	Z	0	0
36	M60	Z	-.017	%20

Member Point Loads (BLC 6 : 0 Wind - Service) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
37	M60	Z	-.017	%65
38	M60	Z	-.005	%50
39	M60	Z	0	0
40	M60	Z	0	0
41	M61	Z	-.017	%15
42	M61	Z	-.017	%75
43	M61	Z	0	0
44	M61	Z	0	0
45	M61	Z	0	0
46	M73	Z	-.004	%25
47	M73	Z	0	0
48	M73	Z	0	0
49	M73	Z	0	0
50	M73	Z	0	0

Member Point Loads (BLC 7 : 90 Wind - Service)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1	M46	X	-.004	%15
2	M46	X	-.004	%75
3	M46	X	-.001	%60
4	M46	X	0	0
5	M46	X	0	0
6	M51	X	-.011	%20
7	M51	X	-.011	%65
8	M51	X	-.002	%50
9	M51	X	0	0
10	M51	X	0	0
11	M52	X	-.01	%15
12	M52	X	-.01	%75
13	M52	X	0	0
14	M52	X	0	0
15	M52	X	0	0
16	M64	X	-.004	%15
17	M64	X	-.004	%75
18	M64	X	-.001	%60
19	M64	X	0	0
20	M64	X	0	0
21	M69	X	-.011	%20
22	M69	X	-.011	%65
23	M69	X	-.002	%50
24	M69	X	0	0
25	M69	X	0	0
26	M70	X	-.01	%15
27	M70	X	-.01	%75
28	M70	X	0	0
29	M70	X	0	0
30	M70	X	0	0
31	M55	X	-.004	%15
32	M55	X	-.004	%75
33	M55	X	-.001	%60
34	M55	X	0	0

Member Point Loads (BLC 7 : 90 Wind - Service) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
35	M55	X	0	0
36	M60	X	-.011	%20
37	M60	X	-.011	%65
38	M60	X	-.002	%50
39	M60	X	0	0
40	M60	X	0	0
41	M61	X	-.01	%15
42	M61	X	-.01	%75
43	M61	X	0	0
44	M61	X	0	0
45	M61	X	0	0
46	M73	X	-.004	%25
47	M73	X	0	0
48	M73	X	0	0
49	M73	X	0	0
50	M73	X	0	0

Member Point Loads (BLC 8 : Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1	M46	Y	-.066	%15
2	M46	Y	-.066	%75
3	M46	Y	-.025	%60
4	M46	Y	0	0
5	M46	Y	0	0
6	M51	Y	-.135	%20
7	M51	Y	-.135	%65
8	M51	Y	-.043	%50
9	M51	Y	0	0
10	M51	Y	0	0
11	M52	Y	-.135	%15
12	M52	Y	-.135	%75
13	M52	Y	0	0
14	M52	Y	0	0
15	M52	Y	0	0
16	M64	Y	-.066	%15
17	M64	Y	-.066	%75
18	M64	Y	-.025	%60
19	M64	Y	0	0
20	M64	Y	0	0
21	M69	Y	-.135	%20
22	M69	Y	-.135	%65
23	M69	Y	-.043	%50
24	M69	Y	0	0
25	M69	Y	0	0
26	M70	Y	-.135	%15
27	M70	Y	-.135	%75
28	M70	Y	0	0
29	M70	Y	0	0
30	M70	Y	0	0
31	M55	Y	-.066	%15
32	M55	Y	-.066	%75

Member Point Loads (BLC 8 : Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
33	M55	Y	-.025	%60
34	M55	Y	0	0
35	M55	Y	0	0
36	M60	Y	-.135	%20
37	M60	Y	-.135	%65
38	M60	Y	-.043	%50
39	M60	Y	0	0
40	M60	Y	0	0
41	M61	Y	-.135	%15
42	M61	Y	-.135	%75
43	M61	Y	0	0
44	M61	Y	0	0
45	M61	Y	0	0
46	M73	Y	-.071	%25
47	M73	Y	0	0
48	M73	Y	0	0
49	M73	Y	0	0
50	M73	Y	0	0

Member Point Loads (BLC 13 : Maint LL 1)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1	M1	Y	-.25	%5

Member Point Loads (BLC 14 : Maint LL 2)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1	M1	Y	-.25	%95

Member Point Loads (BLC 15 : Maint LL 3)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1	M15	Y	-.25	%95

Member Point Loads (BLC 16 : Maint LL 4)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1	M15	Y	-.25	%5

Member Point Loads (BLC 17 : Maint LL 5)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1	M8	Y	-.25	%5

Member Point Loads (BLC 18 : Maint LL 6)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1	M8	Y	-.25	%95

Member Point Loads (BLC 19 : Maint LL 7)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1	M26	Y	-.25	%5

Member Point Loads (BLC 20 : Maint LL 8)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1	M30	Y	-.25	%5

Member Point Loads (BLC 21 : Maint LL 9)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1	M28	Y	-.25	%5

Member Distributed Loads (BLC 2 : 0 Wind - No Ice)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	Z	-.011	-.011	0	0
2	M2	Z	-.016	-.016	0	0
3	M5	Z	-.016	-.016	0	0
4	M8	Z	-.011	-.011	0	0
5	M9	Z	-.016	-.016	0	0
6	M12	Z	-.016	-.016	0	0
7	M15	Z	-.011	-.011	0	0
8	M16	Z	-.016	-.016	0	0
9	M19	Z	-.016	-.016	0	0
10	M22	Z	-.007	-.007	0	0
11	M23	Z	-.007	-.007	0	0
12	M24	Z	-.007	-.007	0	0
13	M25	Z	-.014	-.014	0	0
14	M26	Z	-.016	-.016	0	0
15	M27	Z	-.014	-.014	0	0
16	M28	Z	-.016	-.016	0	0
17	M29	Z	-.014	-.014	0	0
18	M30	Z	-.016	-.016	0	0
19	M45	Z	-.008	-.008	0	0
20	M46	Z	-.008	-.008	0	0
21	M51	Z	-.008	-.008	0	0
22	M52	Z	-.008	-.008	0	0
23	M54	Z	-.008	-.008	0	0
24	M55	Z	-.008	-.008	0	0
25	M60	Z	-.008	-.008	0	0
26	M61	Z	-.008	-.008	0	0
27	M63	Z	-.008	-.008	0	0
28	M64	Z	-.008	-.008	0	0
29	M69	Z	-.008	-.008	0	0
30	M70	Z	-.008	-.008	0	0
31	M72	Z	-.008	-.008	0	0
32	M73	Z	-.008	-.008	0	0

Member Distributed Loads (BLC 3 : 90 Wind - No Ice)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	-.011	-.011	0	0
2	M2	X	-.016	-.016	0	0
3	M5	X	-.016	-.016	0	0
4	M8	X	-.011	-.011	0	0
5	M9	X	-.016	-.016	0	0
6	M12	X	-.016	-.016	0	0

Member Distributed Loads (BLC 3 : 90 Wind - No Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[in,%]	End Location[in,%]
7	M15	X	-.011	-.011	0	0
8	M16	X	-.016	-.016	0	0
9	M19	X	-.016	-.016	0	0
10	M22	X	-.007	-.007	0	0
11	M23	X	-.007	-.007	0	0
12	M24	X	-.007	-.007	0	0
13	M25	X	-.014	-.014	0	0
14	M26	X	-.016	-.016	0	0
15	M27	X	-.014	-.014	0	0
16	M28	X	-.016	-.016	0	0
17	M29	X	-.014	-.014	0	0
18	M30	X	-.016	-.016	0	0
19	M45	X	-.008	-.008	0	0
20	M46	X	-.008	-.008	0	0
21	M51	X	-.008	-.008	0	0
22	M52	X	-.008	-.008	0	0
23	M54	X	-.008	-.008	0	0
24	M55	X	-.008	-.008	0	0
25	M60	X	-.008	-.008	0	0
26	M61	X	-.008	-.008	0	0
27	M63	X	-.008	-.008	0	0
28	M64	X	-.008	-.008	0	0
29	M69	X	-.008	-.008	0	0
30	M70	X	-.008	-.008	0	0
31	M72	X	-.008	-.008	0	0
32	M73	X	-.008	-.008	0	0

Member Distributed Loads (BLC 4 : 0 Wind - Ice)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	Z	-.003	-.003	0	0
2	M2	Z	-.009	-.009	0	0
3	M5	Z	-.009	-.009	0	0
4	M8	Z	-.003	-.003	0	0
5	M9	Z	-.009	-.009	0	0
6	M12	Z	-.009	-.009	0	0
7	M15	Z	-.003	-.003	0	0
8	M16	Z	-.009	-.009	0	0
9	M19	Z	-.009	-.009	0	0
10	M22	Z	-.007	-.007	0	0
11	M23	Z	-.007	-.007	0	0
12	M24	Z	-.007	-.007	0	0
13	M25	Z	-.008	-.008	0	0
14	M26	Z	-.009	-.009	0	0
15	M27	Z	-.008	-.008	0	0
16	M28	Z	-.009	-.009	0	0
17	M29	Z	-.008	-.008	0	0
18	M30	Z	-.009	-.009	0	0
19	M45	Z	-.003	-.003	0	0
20	M46	Z	-.003	-.003	0	0
21	M51	Z	-.003	-.003	0	0
22	M52	Z	-.003	-.003	0	0

Member Distributed Loads (BLC 4 : 0 Wind - Ice) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[in,%]	End Location[in,%]
23	M54	Z	-.003	-.003	0	0
24	M55	Z	-.003	-.003	0	0
25	M60	Z	-.003	-.003	0	0
26	M61	Z	-.003	-.003	0	0
27	M63	Z	-.003	-.003	0	0
28	M64	Z	-.003	-.003	0	0
29	M69	Z	-.003	-.003	0	0
30	M70	Z	-.003	-.003	0	0
31	M72	Z	-.003	-.003	0	0
32	M73	Z	-.003	-.003	0	0

Member Distributed Loads (BLC 5 : 90 Wind - Ice)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	-.003	-.003	0	0
2	M2	X	-.009	-.009	0	0
3	M5	X	-.009	-.009	0	0
4	M8	X	-.003	-.003	0	0
5	M9	X	-.009	-.009	0	0
6	M12	X	-.009	-.009	0	0
7	M15	X	-.003	-.003	0	0
8	M16	X	-.009	-.009	0	0
9	M19	X	-.009	-.009	0	0
10	M22	X	-.007	-.007	0	0
11	M23	X	-.007	-.007	0	0
12	M24	X	-.007	-.007	0	0
13	M25	X	-.008	-.008	0	0
14	M26	X	-.009	-.009	0	0
15	M27	X	-.008	-.008	0	0
16	M28	X	-.009	-.009	0	0
17	M29	X	-.008	-.008	0	0
18	M30	X	-.009	-.009	0	0
19	M45	X	-.003	-.003	0	0
20	M46	X	-.003	-.003	0	0
21	M51	X	-.003	-.003	0	0
22	M52	X	-.003	-.003	0	0
23	M54	X	-.003	-.003	0	0
24	M55	X	-.003	-.003	0	0
25	M60	X	-.003	-.003	0	0
26	M61	X	-.003	-.003	0	0
27	M63	X	-.003	-.003	0	0
28	M64	X	-.003	-.003	0	0
29	M69	X	-.003	-.003	0	0
30	M70	X	-.003	-.003	0	0
31	M72	X	-.003	-.003	0	0
32	M73	X	-.003	-.003	0	0

Member Distributed Loads (BLC 6 : 0 Wind - Service)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	Z	-.0006	-.0006	0	0
2	M2	Z	-.002	-.002	0	0
3	M5	Z	-.002	-.002	0	0

Member Distributed Loads (BLC 6 : 0 Wind - Service) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[in,%]	End Location[in,%]
4	M8	Z	-.0006	-.0006	0	0
5	M9	Z	-.002	-.002	0	0
6	M12	Z	-.002	-.002	0	0
7	M15	Z	-.0006	-.0006	0	0
8	M16	Z	-.002	-.002	0	0
9	M19	Z	-.002	-.002	0	0
10	M22	Z	-.0007	-.0007	0	0
11	M23	Z	-.0007	-.0007	0	0
12	M24	Z	-.0007	-.0007	0	0
13	M25	Z	-.001	-.001	0	0
14	M26	Z	-.002	-.002	0	0
15	M27	Z	-.001	-.001	0	0
16	M28	Z	-.002	-.002	0	0
17	M29	Z	-.001	-.001	0	0
18	M30	Z	-.002	-.002	0	0
19	M45	Z	-.0004	-.0004	0	0
20	M46	Z	-.0004	-.0004	0	0
21	M51	Z	-.0004	-.0004	0	0
22	M52	Z	-.0004	-.0004	0	0
23	M54	Z	-.0004	-.0004	0	0
24	M55	Z	-.0004	-.0004	0	0
25	M60	Z	-.0004	-.0004	0	0
26	M61	Z	-.0004	-.0004	0	0
27	M63	Z	-.0004	-.0004	0	0
28	M64	Z	-.0004	-.0004	0	0
29	M69	Z	-.0004	-.0004	0	0
30	M70	Z	-.0004	-.0004	0	0
31	M72	Z	-.0004	-.0004	0	0
32	M73	Z	-.0004	-.0004	0	0

Member Distributed Loads (BLC 7 : 90 Wind - Service)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	X	-.0006	-.0006	0	0
2	M2	X	-.002	-.002	0	0
3	M5	X	-.002	-.002	0	0
4	M8	X	-.0006	-.0006	0	0
5	M9	X	-.002	-.002	0	0
6	M12	X	-.002	-.002	0	0
7	M15	X	-.0006	-.0006	0	0
8	M16	X	-.002	-.002	0	0
9	M19	X	-.002	-.002	0	0
10	M22	X	-.0007	-.0007	0	0
11	M23	X	-.0007	-.0007	0	0
12	M24	X	-.0007	-.0007	0	0
13	M25	X	-.001	-.001	0	0
14	M26	X	-.002	-.002	0	0
15	M27	X	-.001	-.001	0	0
16	M28	X	-.002	-.002	0	0
17	M29	X	-.001	-.001	0	0
18	M30	X	-.002	-.002	0	0
19	M45	X	-.0004	-.0004	0	0

Member Distributed Loads (BLC 7 : 90 Wind - Service) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[in,%]	End Location[in,%]
20	M46	X	-.0004	-.0004	0	0
21	M51	X	-.0004	-.0004	0	0
22	M52	X	-.0004	-.0004	0	0
23	M54	X	-.0004	-.0004	0	0
24	M55	X	-.0004	-.0004	0	0
25	M60	X	-.0004	-.0004	0	0
26	M61	X	-.0004	-.0004	0	0
27	M63	X	-.0004	-.0004	0	0
28	M64	X	-.0004	-.0004	0	0
29	M69	X	-.0004	-.0004	0	0
30	M70	X	-.0004	-.0004	0	0
31	M72	X	-.0004	-.0004	0	0
32	M73	X	-.0004	-.0004	0	0

Member Distributed Loads (BLC 8 : Ice)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	Y	-.012	-.012	0	0
2	M2	Y	-.016	-.016	0	0
3	M5	Y	-.016	-.016	0	0
4	M8	Y	-.012	-.012	0	0
5	M9	Y	-.016	-.016	0	0
6	M12	Y	-.016	-.016	0	0
7	M15	Y	-.012	-.012	0	0
8	M16	Y	-.016	-.016	0	0
9	M19	Y	-.016	-.016	0	0
10	M22	Y	-.01	-.01	0	0
11	M23	Y	-.01	-.01	0	0
12	M24	Y	-.01	-.01	0	0
13	M25	Y	-.016	-.016	0	0
14	M26	Y	-.016	-.016	0	0
15	M27	Y	-.016	-.016	0	0
16	M28	Y	-.016	-.016	0	0
17	M29	Y	-.016	-.016	0	0
18	M30	Y	-.016	-.016	0	0
19	M45	Y	-.009	-.009	0	0
20	M46	Y	-.009	-.009	0	0
21	M51	Y	-.009	-.009	0	0
22	M52	Y	-.009	-.009	0	0
23	M54	Y	-.009	-.009	0	0
24	M55	Y	-.009	-.009	0	0
25	M60	Y	-.009	-.009	0	0
26	M61	Y	-.009	-.009	0	0
27	M63	Y	-.009	-.009	0	0
28	M64	Y	-.009	-.009	0	0
29	M69	Y	-.009	-.009	0	0
30	M70	Y	-.009	-.009	0	0
31	M72	Y	-.009	-.009	0	0
32	M73	Y	-.009	-.009	0	0

Member Distributed Loads (BLC 28 : BLC 1 Transient Area Loads)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[in,%]	End Location[in,%]

Member Distributed Loads (BLC 28 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	Y	-.001	-.007	41.6	66.56
2	M1	Y	-.007	-.005	66.56	91.52
3	M1	Y	-.005	-.005	91.52	116.48
4	M1	Y	-.005	-.007	116.48	141.44
5	M1	Y	-.007	-.001	141.44	166.4
6	M2	Y	-.002	-.008	8.8	19.067
7	M2	Y	-.008	-.008	19.067	29.333
8	M2	Y	-.008	-.001	29.333	39.6
9	M5	Y	-.002	-.008	8.8	19.067
10	M5	Y	-.008	-.008	19.067	29.333
11	M5	Y	-.008	-.001	29.333	39.6
12	M26	Y	-.024	-.024	8.5	20.5
13	M8	Y	-.001	-.007	41.6	66.56
14	M8	Y	-.007	-.005	66.56	91.52
15	M8	Y	-.005	-.005	91.52	116.48
16	M8	Y	-.005	-.007	116.48	141.44
17	M8	Y	-.007	-.001	141.44	166.4
18	M9	Y	-.002	-.008	8.8	19.067
19	M9	Y	-.008	-.008	19.067	29.333
20	M9	Y	-.008	-.001	29.333	39.6
21	M12	Y	-.002	-.008	8.8	19.067
22	M12	Y	-.008	-.008	19.067	29.333
23	M12	Y	-.008	-.001	29.333	39.6
24	M28	Y	-.024	-.024	8.5	20.5
25	M15	Y	-.001	-.007	41.6	66.56
26	M15	Y	-.007	-.005	66.56	91.52
27	M15	Y	-.005	-.005	91.52	116.48
28	M15	Y	-.005	-.006	116.48	141.44
29	M15	Y	-.006	-.002	141.44	166.4
30	M16	Y	-.002	-.008	8.8	19.067
31	M16	Y	-.008	-.008	19.067	29.333
32	M16	Y	-.008	-.001	29.333	39.6
33	M19	Y	-.002	-.008	8.8	19.067
34	M19	Y	-.008	-.008	19.067	29.333
35	M19	Y	-.008	-.001	29.333	39.6
36	M30	Y	-.024	-.024	8.5	20.5
37	M71	Y	-.009	-.009	0	3.19
38	M1	Y	-.0003788	-.0003788	50.328	157.672
39	M2	Y	.001	-7.16e-5	22	27.5
40	M2	Y	-7.16e-5	-.004	27.5	33
41	M2	Y	-.004	-.018	33	38.5
42	M2	Y	-.018	-.04	38.5	44
43	M5	Y	.001	-7.204e-5	22	27.5
44	M5	Y	-7.204e-5	-.004	27.5	33
45	M5	Y	-.004	-.018	33	38.5
46	M5	Y	-.018	-.04	38.5	44
47	M26	Y	-.041	-.041	21.5	31.5
48	M8	Y	-.0003788	-.0003788	50.328	157.672
49	M9	Y	.001	-7.16e-5	22	27.5
50	M9	Y	-7.16e-5	-.004	27.5	33
51	M9	Y	-.004	-.018	33	38.5
52	M9	Y	-.018	-.04	38.5	44

Member Distributed Loads (BLC 28 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[in,%]	End Location[in,%]
53	M12	Y	.001	-7.204e-5	22	27.5
54	M12	Y	-7.204e-5	-.004	27.5	33
55	M12	Y	-.004	-.018	33	38.5
56	M12	Y	-.018	-.04	38.5	44
57	M28	Y	-.041	-.041	21.5	31.5
58	M15	Y	-.0003788	-.0003788	50.328	157.672
59	M16	Y	.001	-7.16e-5	22	27.5
60	M16	Y	-7.16e-5	-.004	27.5	33
61	M16	Y	-.004	-.018	33	38.5
62	M16	Y	-.018	-.04	38.5	44
63	M19	Y	.001	-7.204e-5	22	27.5
64	M19	Y	-7.204e-5	-.004	27.5	33
65	M19	Y	-.004	-.018	33	38.5
66	M19	Y	-.018	-.04	38.5	44
67	M30	Y	-.041	-.041	21.5	31.5

Member Distributed Loads (BLC 29 : BLC 8 Transient Area Loads)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[in,%]	End Location[in,%]
1	M1	Y	-.004	-.002	0	27.733
2	M1	Y	-.002	-.003	27.733	55.467
3	M1	Y	-.003	-.004	55.467	83.2
4	M1	Y	-.004	-.004	83.2	110.933
5	M1	Y	-.004	-.004	110.933	138.667
6	M1	Y	-.004	-.0004916	138.667	166.4
7	M2	Y	-.0005011	-.009	0	7.92
8	M2	Y	-.009	-.013	7.92	15.84
9	M2	Y	-.013	-.009	15.84	23.76
10	M2	Y	-.009	-.005	23.76	31.68
11	M2	Y	-.005	-.002	31.68	39.6
12	M5	Y	0	-.003	0	8.8
13	M5	Y	-.003	-.008	8.8	17.6
14	M5	Y	-.008	-.009	17.6	26.4
15	M5	Y	-.009	-.004	26.4	35.2
16	M5	Y	-.004	0	35.2	44
17	M15	Y	-.002	-.002	188.661	200.661
18	M26	Y	-.02	-.02	8.5	20.5
19	M2	Y	.0006835	.0004401	17.6	22.88
20	M2	Y	.0004401	-.003	22.88	28.16
21	M2	Y	-.003	-.008	28.16	33.44
22	M2	Y	-.008	-.017	33.44	38.72
23	M2	Y	-.017	-.031	38.72	44
24	M5	Y	.0006841	.0004407	17.6	22.88
25	M5	Y	.0004407	-.003	22.88	28.16
26	M5	Y	-.003	-.008	28.16	33.44
27	M5	Y	-.008	-.017	33.44	38.72
28	M5	Y	-.017	-.031	38.72	44
29	M26	Y	-.035	-.035	21.5	31.5
30	M9	Y	.0006835	.0004401	17.6	22.88
31	M9	Y	.0004401	-.003	22.88	28.16
32	M9	Y	-.003	-.008	28.16	33.44
33	M9	Y	-.008	-.017	33.44	38.72

Member Distributed Loads (BLC 29 : BLC 8 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[in,%]	End Location[in,%]
34	M9	Y	-.017	-.031	38.72	44
35	M12	Y	.0006841	.0004407	17.6	22.88
36	M12	Y	.0004407	-.003	22.88	28.16
37	M12	Y	-.003	-.008	28.16	33.44
38	M12	Y	-.008	-.017	33.44	38.72
39	M12	Y	-.017	-.031	38.72	44
40	M28	Y	-.035	-.035	21.5	31.5
41	M1	Y	-.002	-.002	188.661	200.661
42	M8	Y	-.004	-.002	0	27.733
43	M8	Y	-.002	-.003	27.733	55.467
44	M8	Y	-.003	-.004	55.467	83.2
45	M8	Y	-.004	-.004	83.2	110.933
46	M8	Y	-.004	-.004	110.933	138.667
47	M8	Y	-.004	-.0004916	138.667	166.4
48	M9	Y	-.0005011	-.009	0	7.92
49	M9	Y	-.009	-.013	7.92	15.84
50	M9	Y	-.013	-.009	15.84	23.76
51	M9	Y	-.009	-.005	23.76	31.68
52	M9	Y	-.005	-.002	31.68	39.6
53	M12	Y	0	-.003	0	8.8
54	M12	Y	-.003	-.008	8.8	17.6
55	M12	Y	-.008	-.009	17.6	26.4
56	M12	Y	-.009	-.004	26.4	35.2
57	M12	Y	-.004	0	35.2	44
58	M28	Y	-.02	-.02	8.5	20.5
59	M8	Y	-.002	-.002	188.661	200.661
60	M15	Y	-.004	-.002	0	27.733
61	M15	Y	-.002	-.003	27.733	55.467
62	M15	Y	-.003	-.004	55.467	83.2
63	M15	Y	-.004	-.004	83.2	110.933
64	M15	Y	-.004	-.004	110.933	138.667
65	M15	Y	-.004	-.0004945	138.667	166.4
66	M16	Y	-.0005012	-.009	0	7.92
67	M16	Y	-.009	-.013	7.92	15.84
68	M16	Y	-.013	-.009	15.84	23.76
69	M16	Y	-.009	-.005	23.76	31.68
70	M16	Y	-.005	-.002	31.68	39.6
71	M19	Y	0	-.003	0	8.8
72	M19	Y	-.003	-.008	8.8	17.6
73	M19	Y	-.008	-.009	17.6	26.4
74	M19	Y	-.009	-.004	26.4	35.2
75	M19	Y	-.004	0	35.2	44
76	M30	Y	-.02	-.02	8.5	20.5
77	M16	Y	.0006841	.0004407	17.6	22.88
78	M16	Y	.0004407	-.003	22.88	28.16
79	M16	Y	-.003	-.008	28.16	33.44
80	M16	Y	-.008	-.017	33.44	38.72
81	M16	Y	-.017	-.031	38.72	44
82	M19	Y	.0006835	.0004401	17.6	22.88
83	M19	Y	.0004401	-.003	22.88	28.16
84	M19	Y	-.003	-.008	28.16	33.44
85	M19	Y	-.008	-.017	33.44	38.72

Member Distributed Loads (BLC 29 : BLC 8 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[in,%]	End Location[in,%]
86	M19	Y	-.017	-.031	38.72	44
87	M30	Y	-.035	-.035	21.5	31.5

Member Area Loads (BLC 1 : Dead)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N117	N116	N122	N123	Y	Two Way	-.01
2	N127	N126	N132	N133	Y	Two Way	-.01
3	N137	N136	N142	N143	Y	Two Way	-.01
4	N115	N114	N118	N120	Y	Two Way	-.01
5	N125	N124	N128	N130	Y	Two Way	-.01
6	N135	N134	N138	N140	Y	Two Way	-.01

Member Area Loads (BLC 8 : Ice)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N42	N43	N45	N44	Y	Two Way	-.008
2	N7	N6	N5	N4	Y	Two Way	-.008
3	N13	N12	N15	N14	Y	Two Way	-.008
4	N49	N48	N46	N47	Y	Two Way	-.008
5	N52	N53	N51	N50	Y	Two Way	-.008
6	N20	N21	N22	N23	Y	Two Way	-.008

Joint Loads and Enforced Displacements (BLC 9 : Live Load a)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/i...
1	N66	L	Y	-.25
2	N102	L	Y	-.25
3	N84	L	Y	-.25

Joint Loads and Enforced Displacements (BLC 10 : Live Load b)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/i...
1	N64	L	Y	-.25
2	N100	L	Y	-.25
3	N82	L	Y	-.25

Joint Loads and Enforced Displacements (BLC 11 : Live Load c)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/i...
1	N108	L	Y	-.25

Joint Loads and Enforced Displacements (BLC 12 : Live Load d)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/i...
1	N54	L	Y	-.25
2	N90	L	Y	-.25
3	N72	L	Y	-.25

Envelope Joint Reactions

	Joint		X [k]	LC	Y [k]	LC	Z [k]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N31	max	1.507	17	2.577	40	3.126	14	1.274	2	6.333	5	2.606	11
2		min	-1.489	23	.48	8	-3.171	8	-14.093	44	-6.283	11	-3.451	17
3	N34	max	2.393	17	2.763	45	2.113	2	6.273	14	8.093	9	13.445	47
4		min	-2.409	11	.644	12	-2.144	20	-3.314	8	-8	3	.067	5
5	N37	max	2.135	4	2.647	49	2.602	2	9.391	38	8.126	13	.085	11
6		min	-2.067	22	.596	4	-2.528	20	-2.612	8	-7.987	19	-11.534	41
7	Totals:	max	5.933	5	7.877	44	7.835	14						
8		min	-5.933	23	2.164	2	-7.835	8						

Envelope AISC 13th(360-05): LRFD Steel Code Checks

	Member	Shape	Code Check	Loc[in]	LC	Shear Check	Loc[..	Dir	LC	phi*Pn...	phi*Pnt...	phi*Mn...	phi*Mn...	Cb	Eqn
1	M1	PIPE_3.5	1.267	104	20	.537	104		14	23.602	78.75	7.954	7.954	1...	H3-6
2	M15	PIPE_3.5	1.124	104	15	.413	104		3	23.602	78.75	7.954	7.954	1...	H3-6
3	M29	HSS4x4x4	1.089	26	26	.386	26	z	25	136.804	139.518	16.181	16.181	1...	H3-6
4	M27	HSS4x4x4	1.069	26	33	.417	26	z	21	136.804	139.518	16.181	16.181	1...	H3-6
5	M8	PIPE_3.5	1.030	104	19	.435	104		19	23.602	78.75	7.954	7.954	1...	H3-6
6	M25	HSS4x4x4	1.021	26	30	.307	26	y	29	136.804	139.518	16.181	16.181	1...	H3-6
7	M69	PIPE_2.0	.949	74.25	14	.077	74.25		14	12.144	32.13	1.872	1.872	1...	H1-1b
8	M60	PIPE_2.0	.949	74.25	20	.077	74.25		20	12.144	32.13	1.872	1.872	1...	H1-1b
9	M51	PIPE_2.0	.948	74.25	20	.077	74.25		20	12.144	32.13	1.872	1.872	1...	H1-1b
10	M70	PIPE_2.0	.894	74.25	14	.039	74.25		14	12.144	32.13	1.872	1.872	1...	H1-1b
11	M61	PIPE_2.0	.894	74.25	20	.038	74.25		20	12.144	32.13	1.872	1.872	1...	H1-1b
12	M52	PIPE_2.0	.893	74.25	20	.038	74.25		20	12.144	32.13	1.872	1.872	1...	H1-1b
13	M5	L4x4x4	.839	0	3	.041	0	z	3	48.987	62.532	3.138	6.715	1...	H2-1
14	M9	L4x4x4	.829	0	21	.040	44	y	21	48.987	62.532	3.138	6.715	1...	H2-1
15	M12	L4x4x4	.820	0	7	.043	44	z	14	48.987	62.532	3.138	6.715	1...	H2-1
16	M16	L4x4x4	.788	0	25	.042	44	y	14	48.987	62.532	3.138	6.715	1...	H2-1
17	M30	HSS4x4x4	.675	39.5	26	.385	39.5	z	25	133.333	139.518	16.181	16.181	1...	H3-6
18	M28	HSS4x4x4	.666	39.5	14	.405	39.5	z	21	133.333	139.518	16.181	16.181	1...	H3-6
19	M45	PIPE_2.0	.658	45	20	.095	45		23	23.809	32.13	1.872	1.872	1...	H1-1b
20	M54	PIPE_2.0	.651	45	14	.134	45		21	23.809	32.13	1.872	1.872	1...	H1-1b
21	M63	PIPE_2.0	.650	45	14	.134	45		19	23.809	32.13	1.872	1.872	1...	H1-1b
22	M26	HSS4x4x4	.635	39.5	30	.306	39.5	y	29	133.333	139.518	16.181	16.181	1...	H3-6
23	M19	L4x4x4	.620	0	11	.031	0	y	60	48.987	62.532	3.138	6.715	1...	H2-1
24	M2	L4x4x4	.577	0	17	.031	0	z	53	48.987	62.532	3.138	6.715	1...	H2-1
25	M55	PIPE_2.0	.248	64.75	14	.043	64.75		14	17.855	32.13	1.872	1.872	1...	H1-1b
26	M64	PIPE_2.0	.248	64.75	14	.042	64.75		14	17.855	32.13	1.872	1.872	1...	H1-1b
27	M46	PIPE_2.0	.177	64.75	22	.033	64.75		7	17.855	32.13	1.872	1.872	1...	H1-1b
28	M73	PIPE_2.0	.059	12.5	25	.011	12.5		25	23.809	32.13	1.872	1.872	1...	H1-1b
29	M72	PIPE_2.0	.047	45	15	.005	45		15	23.809	32.13	1.872	1.872	1...	H1-1b
30	M22	L2x2x3	.033	5.104	19	.263	0	z	61	22.593	23.393	.558	1.239	1...	H2-1
31	M24	L2x2x3	.033	5.104	15	.268	10	z	57	22.593	23.393	.558	1.239	1...	H2-1
32	M23	L2x2x3	.025	5.104	23	.254	10	z	53	22.593	23.393	.558	1.239	1...	H2-1

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 12, 2018

Michael Gentile
Site Acquisition
Centerline Communications, LLC
750 West Center Street, Floor 3
West Bridgewater, MA 02379

RE: **EM-AT&T-115-181211 –** New Cingular Wireless PCS, LLC (AT&T) notice of intent to modify an existing telecommunications facility located at 178 New Haven Road, Prospect, Connecticut.

Dear Mr. Gentile:

The Connecticut Siting Council (Council) received a notice of intent to modify the above-referenced facility on December 11, 2018.

According to Section 16-50j-71 of the Regulations of Connecticut State Agencies, "…any modification, as defined in Section 16-50j-2a of the Regulations of Connecticut State Agencies, to an existing tower site, except as specified in Sections 16-50j-72 and 16-50j-88 of the Regulations of Connecticut State Agencies, may have a substantial adverse environmental effect."

Staff has reviewed this exempt modification request for completeness and has identified that the Construction Drawings and the Structural Analysis Report provided with the request both indicate a proposed change from a low profile platform mount to a sector mount. Staff also observed that note 6 on Sheets C01 and C02 of the Construction Drawings prepared by Dewberry Engineers Inc., last revised on December 5, 2018, references a mount analysis prepared by B+T Group. However the mount analysis is not provided with this exempt modification request.

Therefore, the exempt modification request is incomplete at this time. The Council recommends that Centerline Communications provide the above referenced mount analysis for the proposed equipment that is stamped and signed by a professional engineer duly licensed in the State of Connecticut on or before January 18, 2019. If additional time is needed to gather the requested information, please submit a written request for an extension of time prior to January 18, 2019.

This notice of incompletion shall have the effect of tolling the Federal Communications Commission (FCC) 60-day timeframe in accordance with Paragraph 217 of the FCC Wireless Infrastructure Report and Order issued on October 21, 2014 (FCC 14-153).

Thank you for your attention to this matter. Should you have any questions, please feel free to contact me at 860-827-2951.

Sincerely,

Melanie Bachman
Executive Director

MAB/FOC/in

c: The Honorable Robert J. Chatfield, Mayor, Town of Prospect
Tammy Deloia, Land Use Inspector, Town of Prospect