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
Web Site: www.ct.gov/csc

VIA ELECTRONIC MAIL

November 3, 2020

Patricia Nowak
Site Acquisition Consultant
Centerline Communications, LLC
750 West Center Street, Suite 301
West Bridgewater, MA 02379

RE: **EM-CING-101-201005** – New Cingular Wireless PCS, LLC (AT&T) notice of intent to modify an existing telecommunications facility located at 15 Dwight Street, North Haven, Connecticut.

Dear Ms. Nowak:

The Connecticut Siting Council (Council) is in receipt of your correspondence of November 2, 2020 submitted in response to the Council's October 16, 2020 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,

s/ Melanie A. Bachman

Melanie A. Bachman
Executive Director

MAB/IN/emr

November 2, 2020

VIA ELECTRONIC MAIL

Melanie A. Bachman
Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Regarding: **EM-CING-101-201005 -Notice of Exempt Modification**
AT&T Site: **CT2012**
Address: **15 Dwight Street, North Haven, Connecticut**

Dear Ms. Bachman:

In response to your letter dated October 16, 2020 regarding the Council's above referenced exempt modification identification number, please find enclosed a Mount Analysis prepared by American Tower Corporation and dated July 1, 2020 that has been stamped and signed by a Professional Engineer licensed in the State of Connecticut.

Please let me know if the enclosed document is sufficient to complete the exempt modification request for the above referenced AT&T site.

Thank you for your time and consideration.

Sincerely,

s/ *Patricia Nowak*

Patricia Nowak
Site Acquisition Consultant
Centerline Communications, LLC
750 West Center Street, Suite 301
West Bridgewater, MA 02379
pnowak@clinellc.com

Enclosures: Signed and Stamped Mount Analysis

AMERICAN TOWER®
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Antenna Mount Analysis Report

ATC Site Name	:	**North Haven CT 1, CT**
ATC Site Number	:	**302482**
Engineering Number	:	**13242626_C9_04**
Mount Elevation	:	**152 ft**
Carrier	:	**AT&T Mobility**
Carrier Site Name	:	**MRCTB046848**
Carrier Site Number	:	**CTL02012**
Site Location	:	**15 Dewight Street** **North Haven, CT 06473-1198** **41.42080556 , -72.8488**
County	:	**New Haven**
Date	:	**July 1, 2020**
Max Usage	:	**80%**
Result	:	**Contingent Pass**

Prepared By:
Trevor Ridilla
Structural Engineer I

Trevor C Ridilla

Reviewed By:

Authorized by "EOR"
Oct 30 2020 3:47 PM cosign

COA: PEC.0001553

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Table of Contents

Introduction

The purpose of this report is to summarize results of the antenna mount analysis performed for AT&T Mobility at 152 ft.

Supporting Documents

Radio Frequency Data Sheet	RFDS ID #CTL02012, dated March 27, 2020
Reference Photos	Site photos from 2019
Other Document	Dewberry Engineers Project #50096232, dated March 9, 2018

Analysis

This antenna mount was analyzed using American Tower Corporation's Mount Analysis Program and RISA-3D

Basic Wind Speed:	120 mph (3-Second Gust)
Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ 1'' radial ice concurrent
Codes:	ANSI/TIA-222-H
Exposure Category:	B
Risk Category:	II
Topographic Factor Procedure:	Method 1
Topographic Category:	1
Spectral Response:	Ss = 0.204, S1 = 0.054
Site Class:	D - Stiff Soil
Live Loads: *	Lm = 500 lbs

*** Based on experience it has been determined that the maintenance load cases do not control over rigging load cases in platform mount analyses. Therefore, these load cases have been excluded from this analysis.**

Conclusion

Based on the analysis results, the antenna mount does not meet the requirements per the applicable codes listed above. The mount can support the equipment as described in this report after the below listed modifications are completed:

- Install modification per ATC Drawing #13242626_C9_08

If you have any questions or require additional information, please contact American Tower via email at Engineering@americantower.com. Please include the American Tower site name, site number, and engineering number in the subject line for any questions.

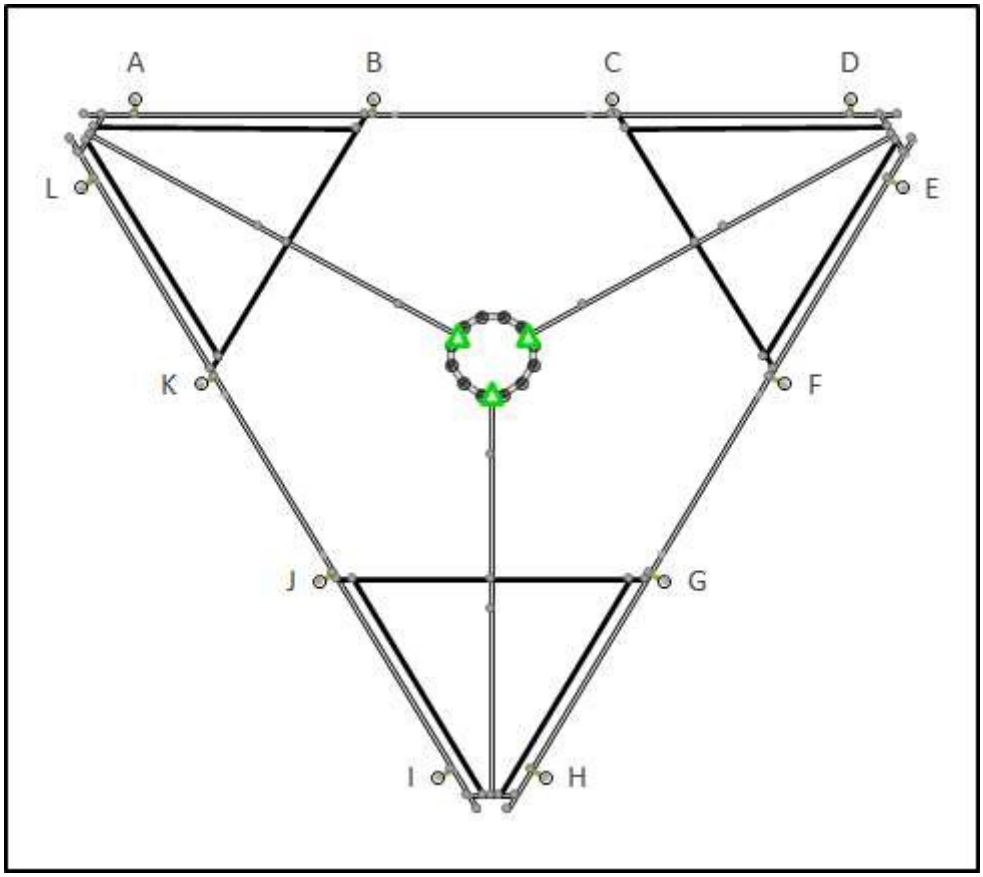
Application Loading

Mount Centerline (ft)	Antenna Centerline (ft)	Qty	Antenna Model
152.0	153.0	3	CCI DMP65R-BU6DA
		3	CCI OPA-65R-LCUU-H6
		3	Quintel QS66512-2
		6	Powerwave Allgon LGP21401
		6	Kaelus DBC0061F1V51-2
		6	Kathrein Scala 782-10250
		3	Raycap DC6-48-60-18-8F
		6	Powerwave Allgon 7020.00 Dual Band RET
		3	Ericsson RRUS 4478 B14
		3	Ericsson RRUS 32 B30
		3	Ericsson RRUS 4449 B5, B12
		3	Ericsson RRUS 8843 B2, B66A

Structure Usages

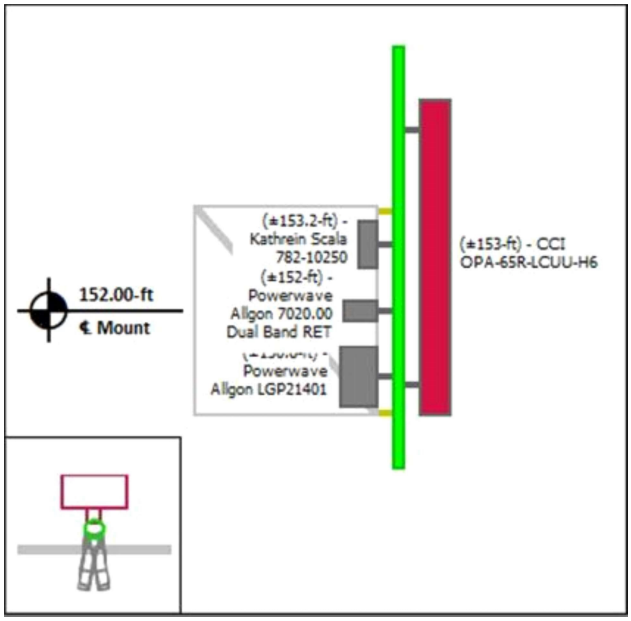
Structural Component	Controlling Usage	Pass/Fail
Horizontals	80%	Pass
Tie-Backs	13%	Pass
Mount Pipes	38%	Pass
Handrail	38%	Pass
Mod-Kit	7%	Pass

Mount Layout

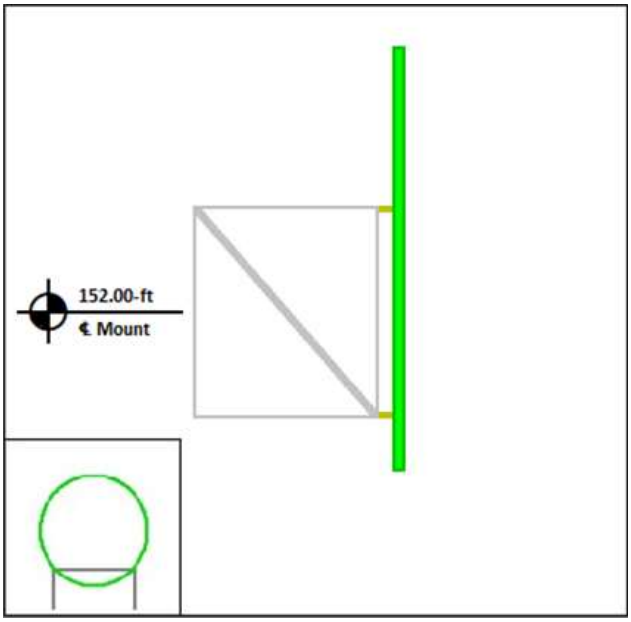


Equipment Layout

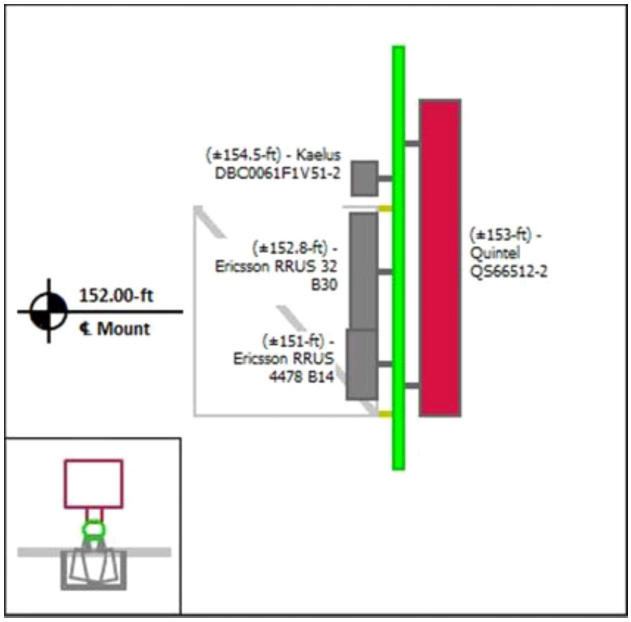
Mount Pipe A



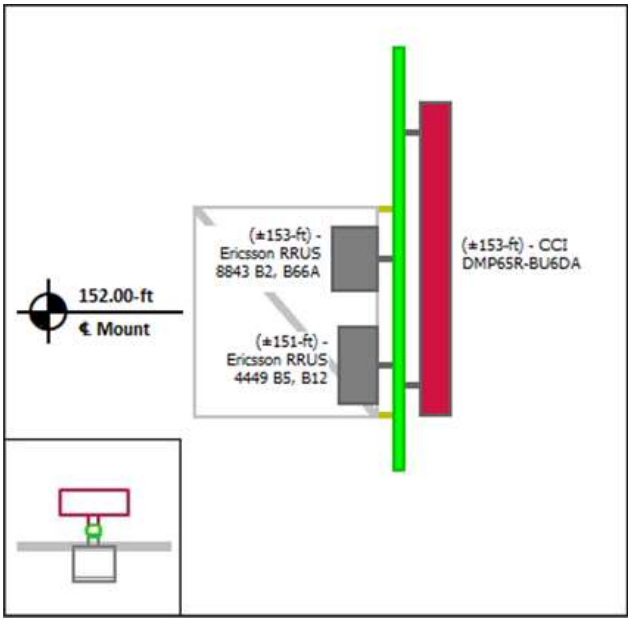
Mount Pipe B



Mount Pipe C

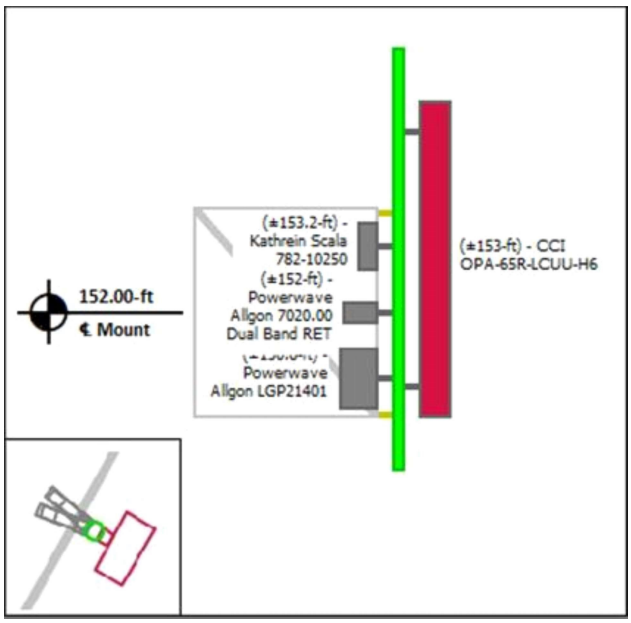


Mount Pipe D

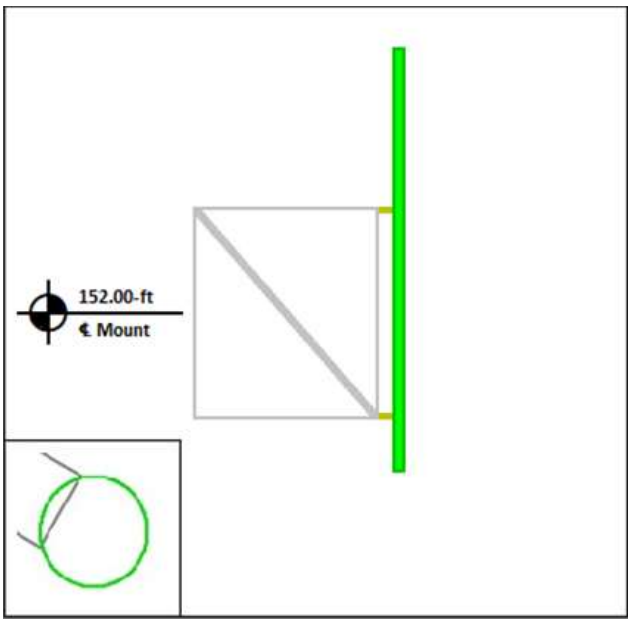


Equipment Layout Cont'd.

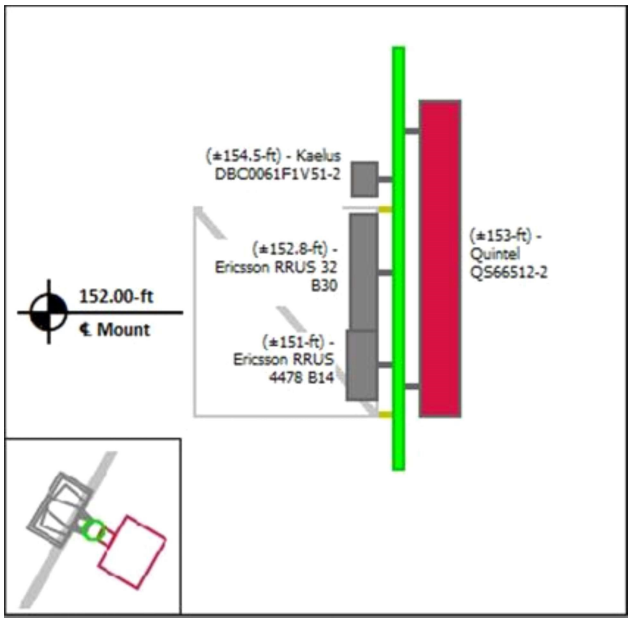
Mount Pipe E



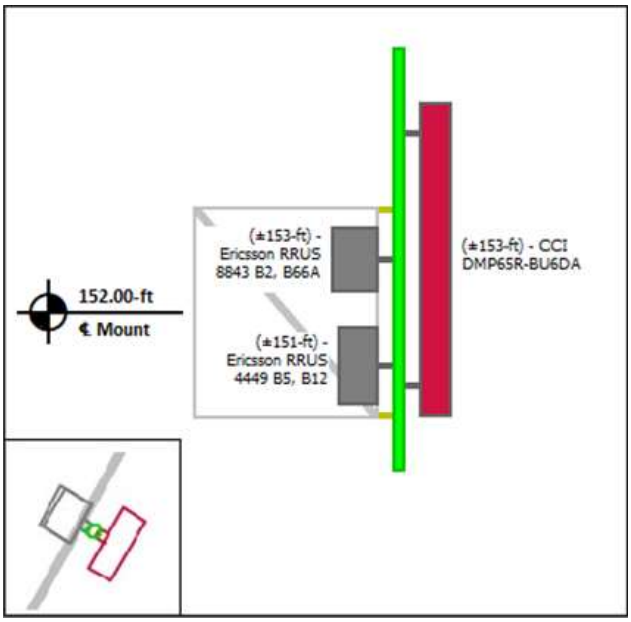
Mount Pipe F



Mount Pipe G

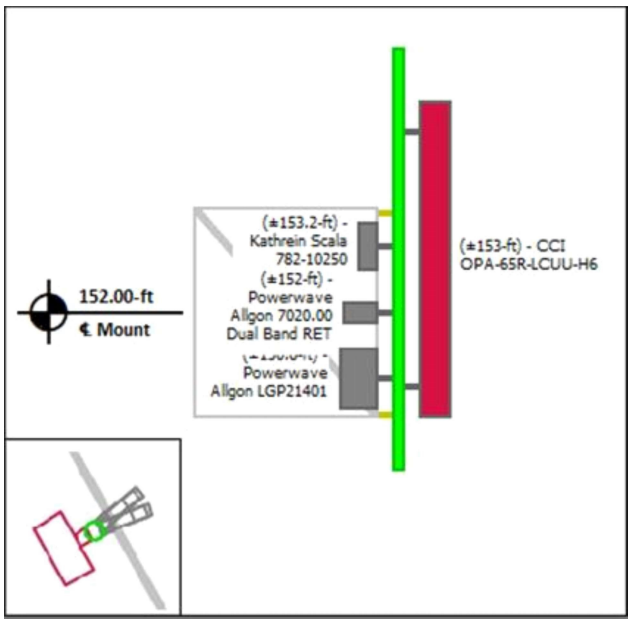


Mount Pipe H

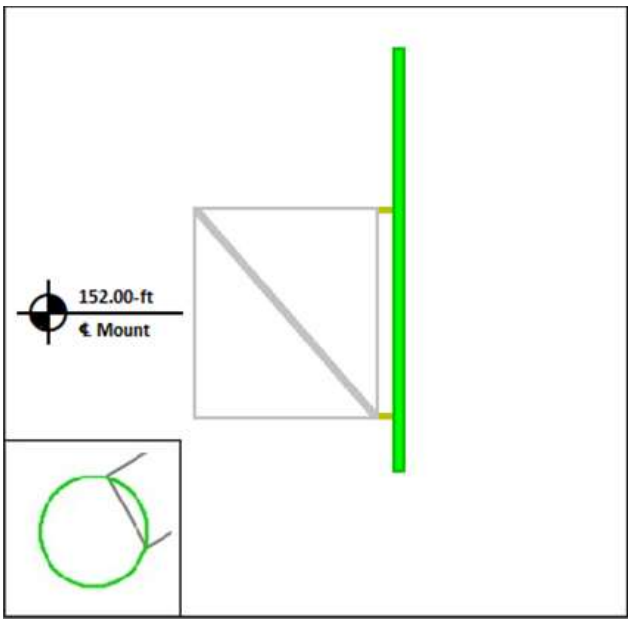


Equipment Layout Cont'd.

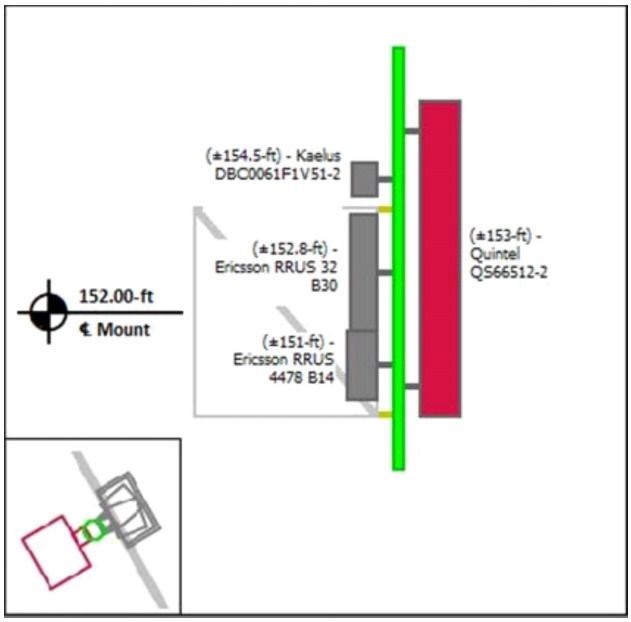
Mount Pipe I



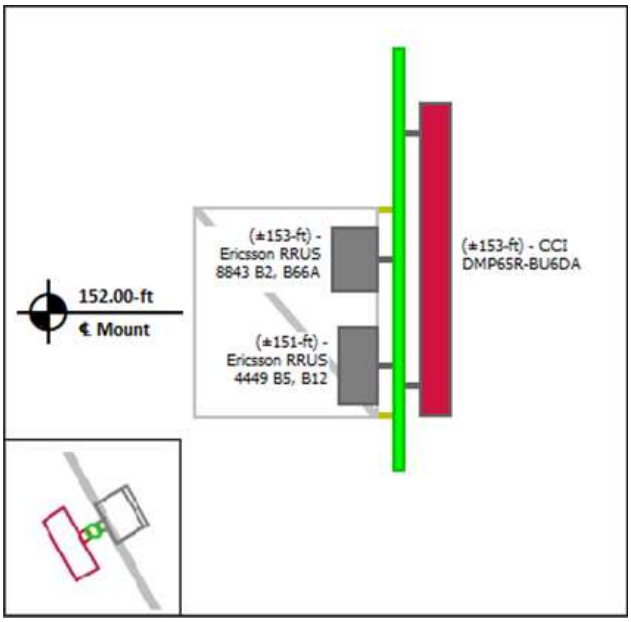
Mount Pipe J



Mount Pipe K



Mount Pipe L



Standard Conditions

All engineering services performed by A.T. Engineering Service, PLLC are prepared on the basis that the information used is current and correct. This information may consist of, but is not limited to the following:

- Information supplied by the client regarding antenna, mounts and feed line loading
- Information from drawings, design and analysis documents, and field notes in the possession of A.T. Engineering Service, PLLC

It is the responsibility of the client to ensure that the information provided to A.T. Engineering Service, PLLC and used in the performance of our engineering services is correct and complete.

All assets of American Tower Corporation, its affiliates and subsidiaries (collectively "American Tower") are inspected at regular intervals. Based upon these inspections and in the absence of information to the contrary, American Tower assumes that all structures were constructed in accordance with the drawings and specifications.

All connections are to be verified for condition and tightness by the installation contractor preceding any changes to the appurtenance mounting system and/or equipment attached to it.

Unless explicitly agreed by both the client and A.T. Engineering Service, PLLC, all services will be performed in accordance with the current revision of ANSI/TIA-222.

All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. A.T. Engineering Service, PLLC is not responsible for the conclusions, opinions and recommendations made by others based on the information supplied herein.

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Site Number:	*302482*
Project Number:	*13242626_C9_04*
Carrier:	*AT&T Mobility*
Mount Elevation:	*152 ft*
Date:	7/1/2020

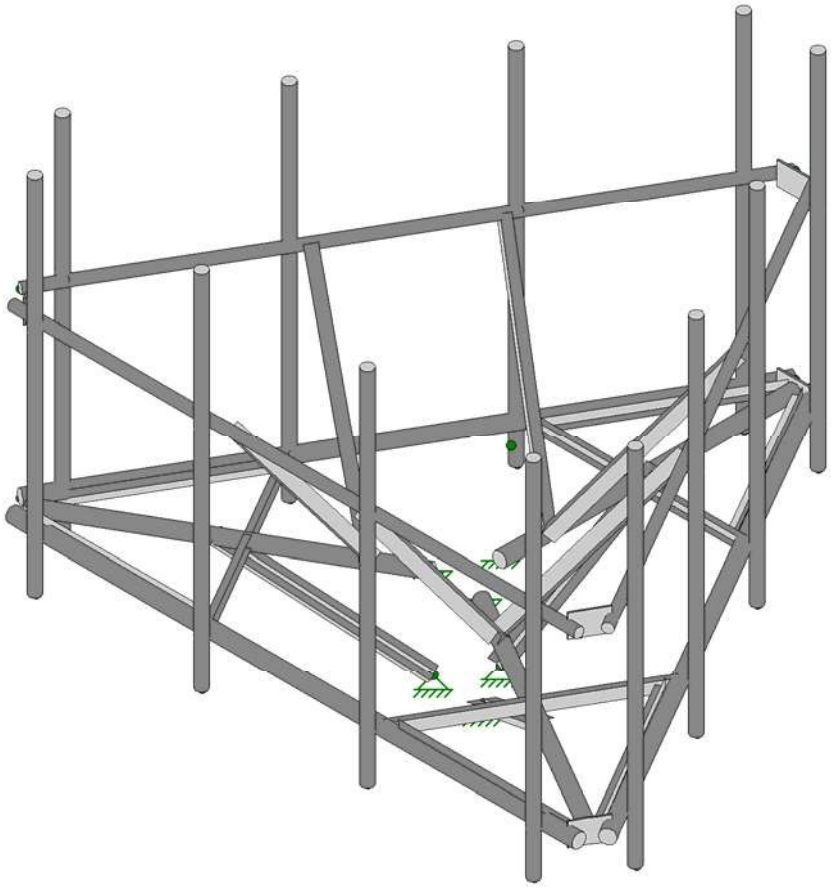
Mount Analysis Force Calculations

Wind & Ice Load Calculations			
Velocity Pressure Coefficient	K_z	1.11	
Topographic Factor	K_{zt}	1.00	
Rooftop Wind Speed-up Factor	K_s	1.00	
Shielding Factor	K_a	0.90	
Ground Elevation Factor	K_e	1.00	
Wind Direction Probability Factor	K_d	0.95	
Basic Wind Speed	V	120	mph
Velocity Pressure	q_z	39.0	psf
Height Escalation Factor	K_{iz}	1.17	
Thickness of Radial Glaze Ice	T_{iz}	1.17	in

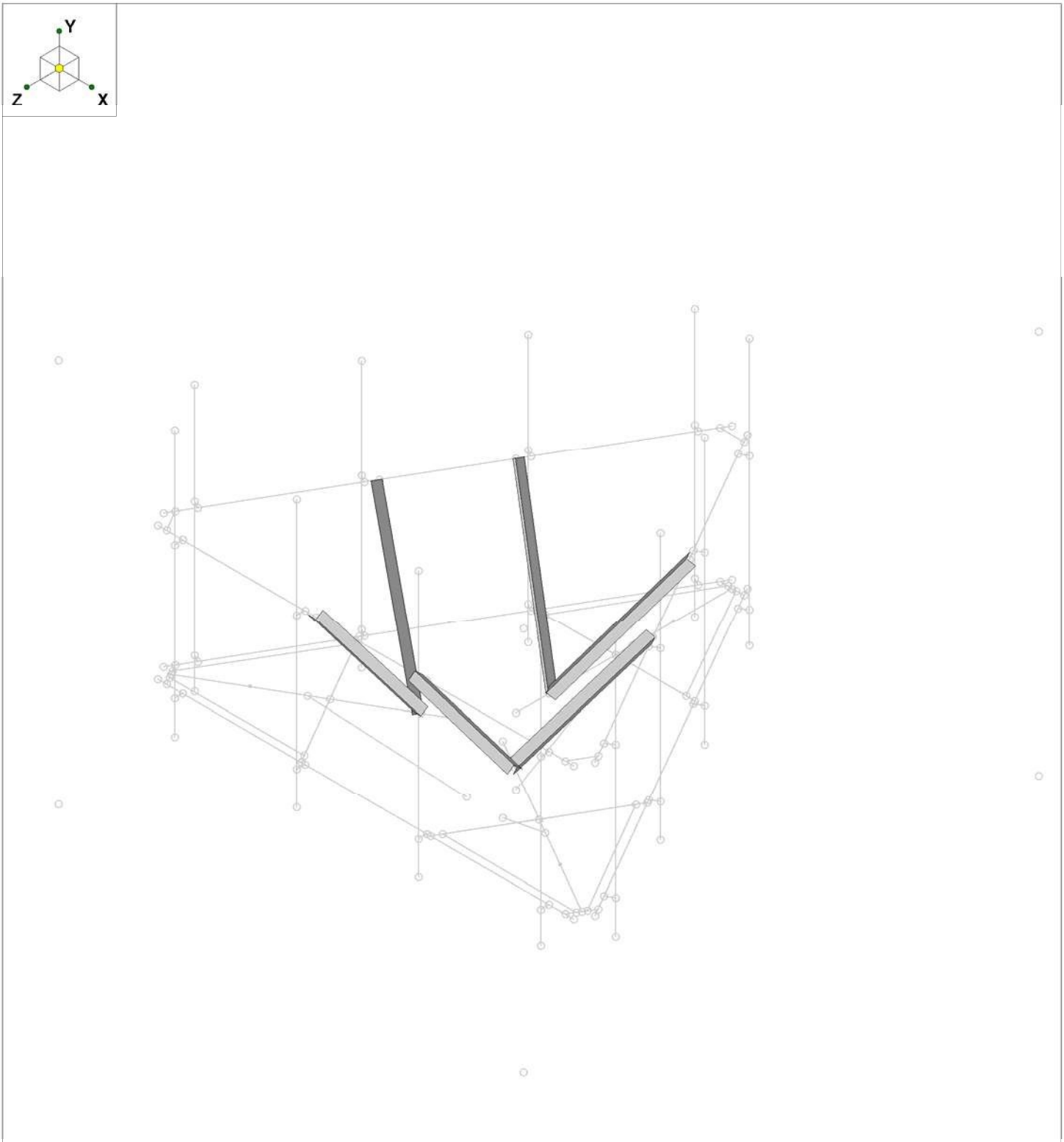
Seismic Load Calculations			
Short Period DSRAP	S_{DS}	0.218	
1 Second DSRAP	S_{D1}	0.086	
Importance Factor	I	1.0	
Response Modification Coefficient	R	2.0	
Seismic Response Coefficient	C_S	0.109	
Amplification Factor	A	1.0	
Total Weight	W	3246.6	lbs
Total Shear Force	V_S	353.2	lbs
Horizontal Seismic Load	Eh	353.2	lbs
Vertical Seismic Load	Ev	141.3	lbs

Antenna Calculations

Equipment	Height	Width	Depth	Weight	EPA_N	EPA_T	EPA_{Ni}	EPA_{Ti}
Model #	in	in	in	lbs	sqft	sqft	sqft	sqft
CCI DMP65R-BU6DA	71.2	20.7	7.7	79.4	12.71	2.28	14.60	3.07
CCI OPA-65R-LCUU-H6	72.0	14.8	7.4	73.0	9.66	2.22	11.54	3.01
Quintel QS66512-2	72.0	12.0	9.6	111.0	8.13	2.88	10.03	3.69
Powerwave Allgon LGP21401	14.4	9.2	2.6	14.1	1.10	0.20	1.61	0.44
Kaelus DBC0061F1V51-2	8.0	6.5	6.2	25.5	0.43	0.41	0.76	0.73
Kathrein Scala 782-10250	11.0	4.9	2.5	6.4	0.45	0.25	0.80	0.57
Raycap DC6-48-60-18-8F	23.5	9.7	9.7	20.0	N/A	N/A		
Powerwave Allgon 7020.00 Dual Band RET	4.9	8.3	2.4	2.2	0.34	0.10	0.64	0.28
Ericsson RRUS 4478 B14	16.5	13.4	7.7	59.9	1.84	1.06	2.47	1.57
Ericsson RRUS 32 B30	27.2	12.1	7.0	60.0	2.74	1.67	3.55	2.41
Ericsson RRUS 4449 B5, B12	17.9	13.2	9.4	71.0	1.97	1.40	2.62	1.98
Ericsson RRUS 8843 B2, B66A	14.9	13.2	10.9	72.0	1.64	1.35	2.23	1.90



American Tower Corp.		SK - 1
Trevor.Ridilla	302482, North Haven CT 1	July 1, 2020 at 2:13 PM
13242626_C9_04	3D Rendering (Final Configuration)	R3D. AT&T MOBILITY @ 302482, N...



American Tower Corp.		SK - 2
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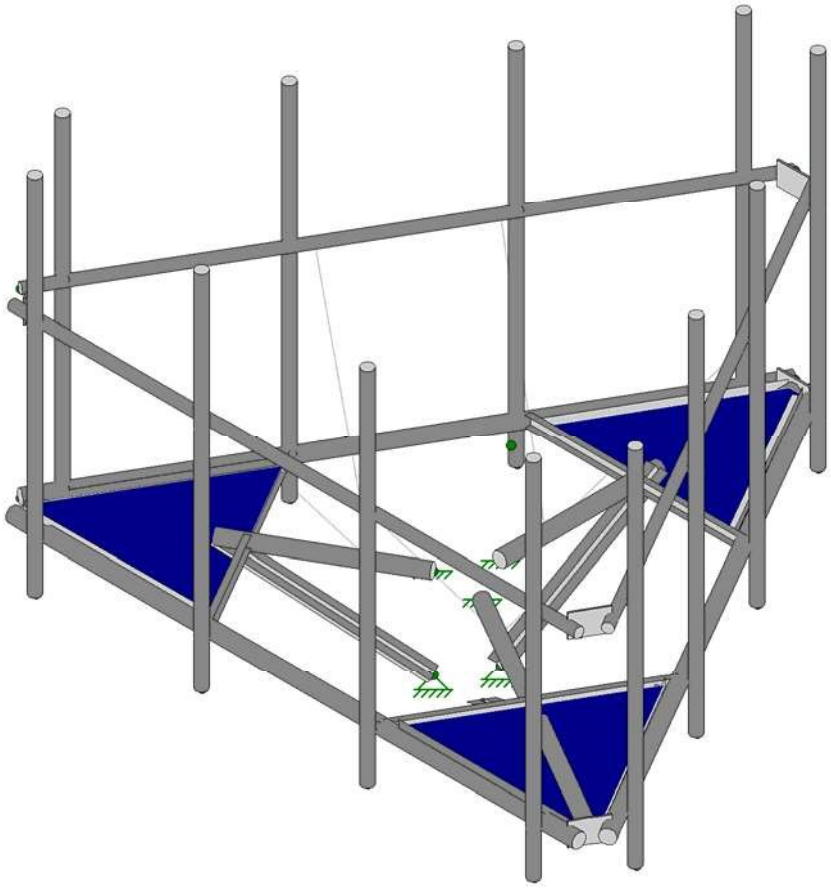

American Tower Corp.		SK - 3
Trevor.Ridilla	302482, North Haven CT 1	July 1, 2020 at 2:13 PM
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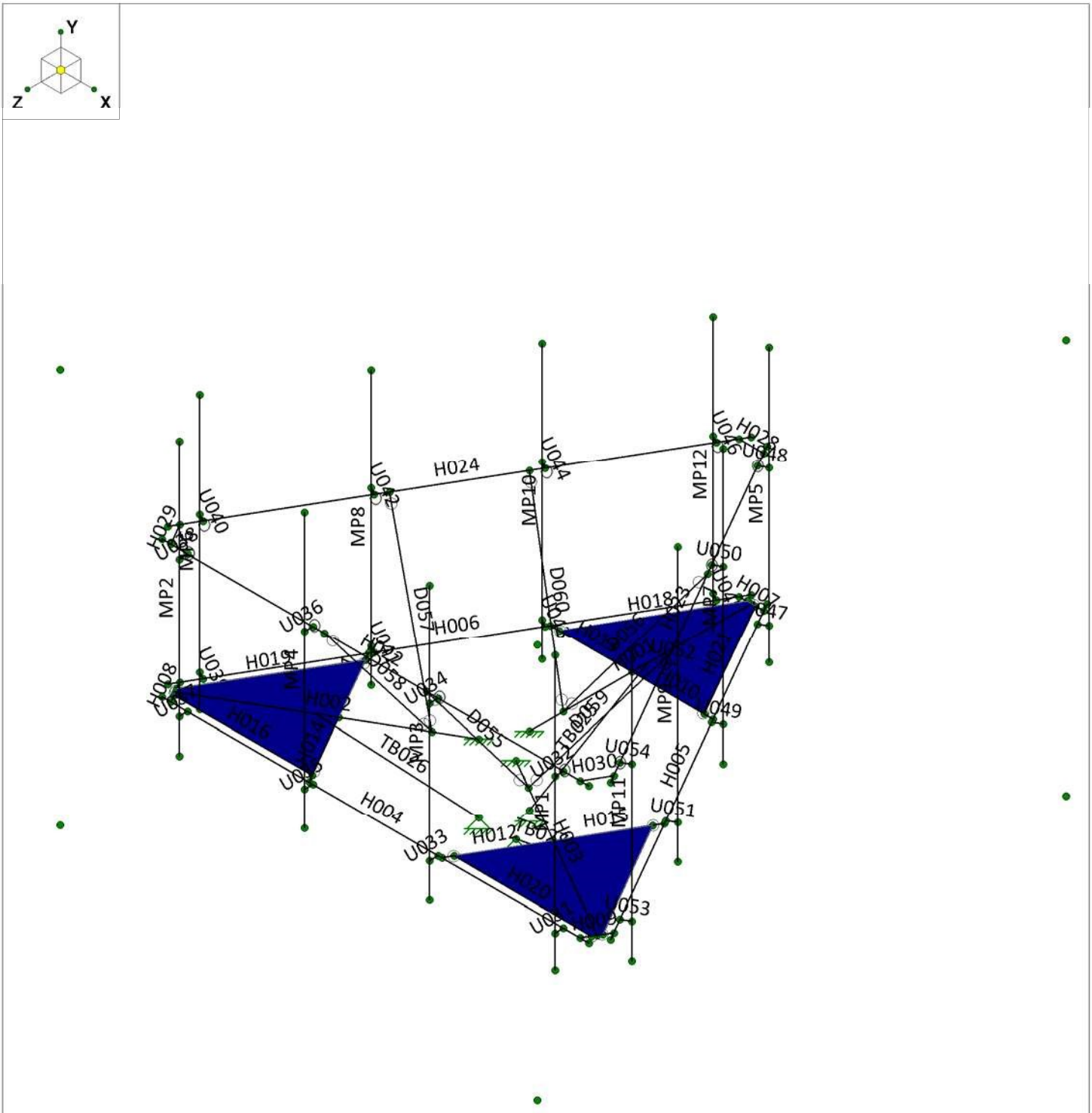
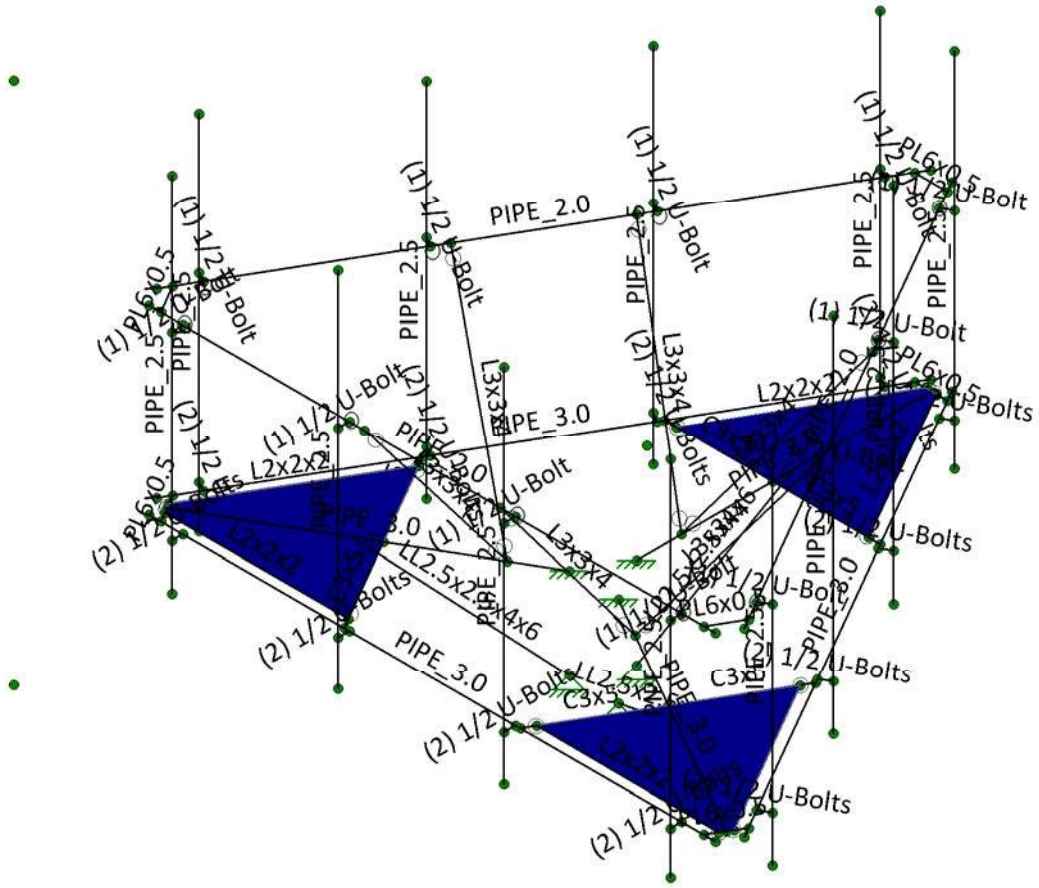
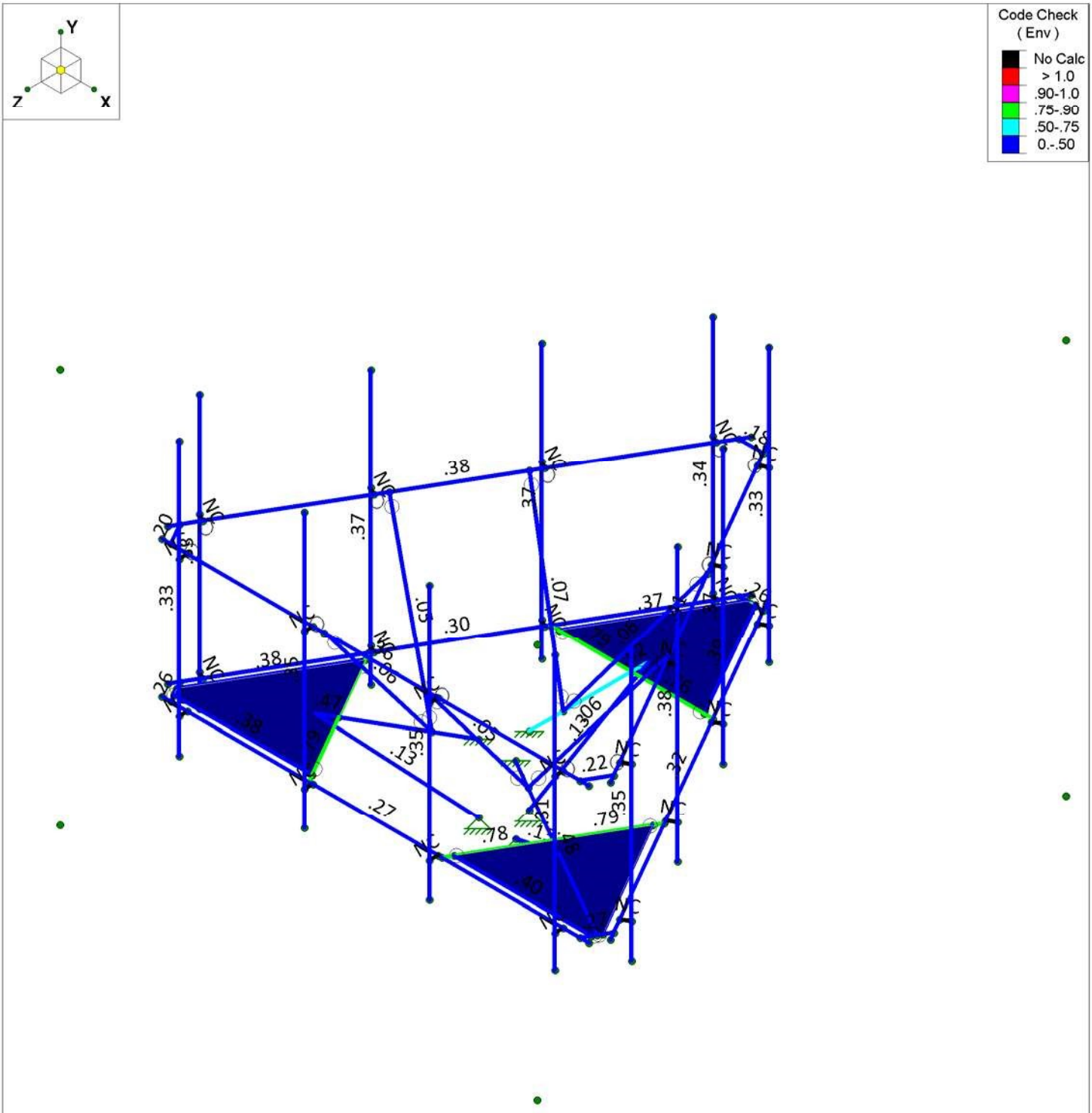


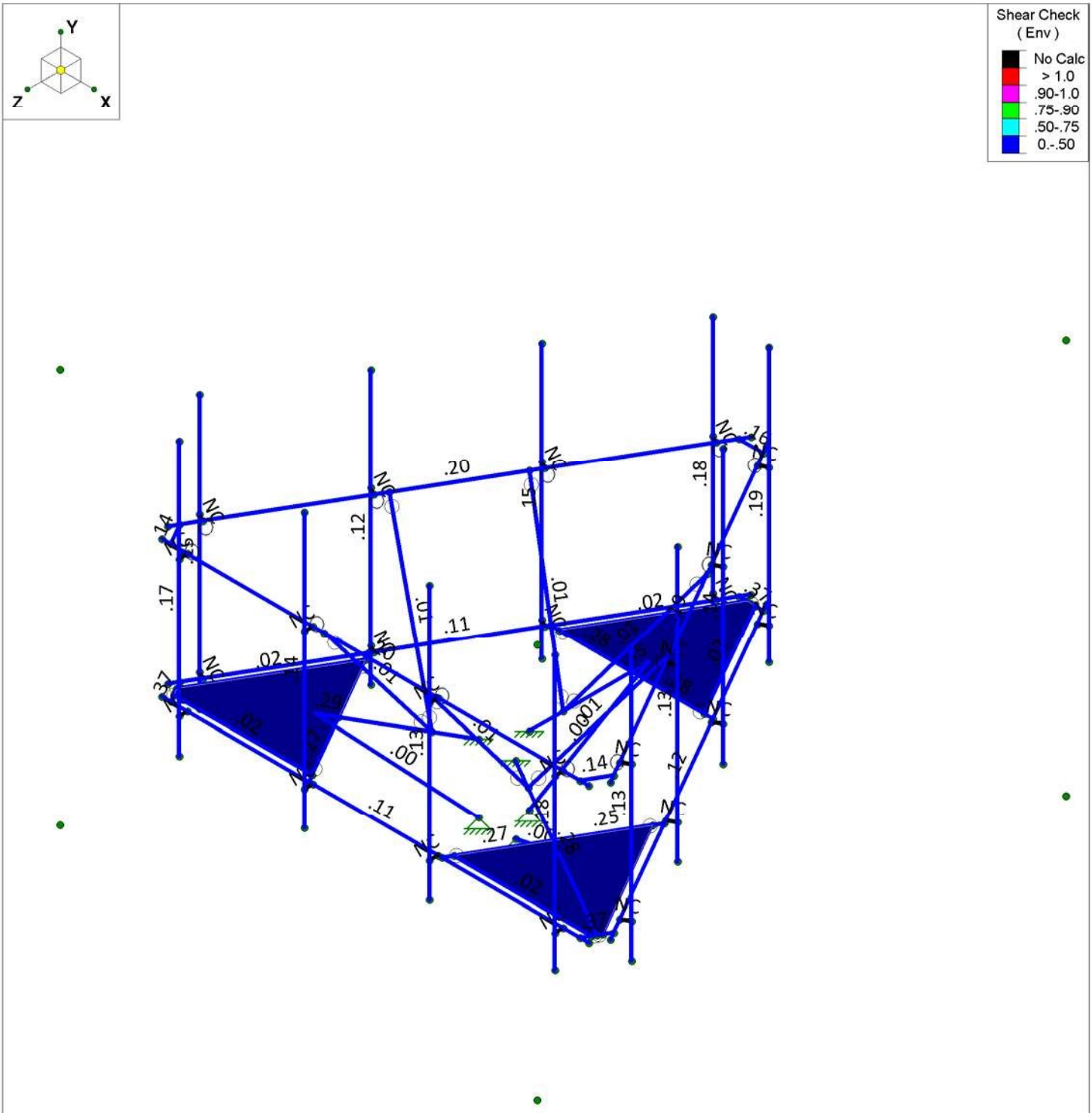
American Tower Corp.		SK - 4
Trevor.Ridilla	302482, North Haven CT 1	July 1, 2020 at 2:17 PM
13242626_C9_04	Member Labels	R3D. AT&T MOBILITY @ 302482, N...



American Tower Corp.		SK - 5
Trevor.Ridilla	302482, North Haven CT 1	July 1, 2020 at 2:18 PM
13242626_C9_04	Member Shapes	R3D. AT&T MOBILITY @ 302482, N...



American Tower Corp.		SK - 6
Trevor.Ridilla	302482, North Haven CT 1	July 1, 2020 at 2:18 PM
13242626_C9_04	Unity Bending Checks	R3D. AT&T MOBILITY @ 302482, N...



Member Shear Checks Displayed (Enveloped)
Results for LC 1, 1.4D

American Tower Corp.		SK - 7
Trevor.Ridilla	302482, North Haven CT 1	July 1, 2020 at 2:18 PM
13242626_C9_04	Shear Checks	R3D. AT&T MOBILITY @ 302482, N...

Joint Coordinates and Temperatures

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
1	N001	84	84	96	0	
2	N002	84	84	18	0	
3	N003	77.504809	84	107.25	0	
4	N004	90.495191	84	107.25	0	
5	N005	9.954828	84	146.25	0	
6	N006	158.045172	84	146.25	0	
7	N007	159	84	150	0	
8	N008	9	84	150	0	
9	N009	86.770181	84	15.298095	0	
10	N010	6.229819	84	145.201905	0	
11	N011	161.770181	84	145.201905	0	
12	N012	81.229819	84	15.298095	0	
13	N013	79.669873	84	18	0	
14	N014	88.330127	84	18	0	
15	N015	7.789764	84	142.5	0	
16	N016	155.880109	84	150	0	
17	N017	12.119891	84	150	0	
18	N018	160.210236	84	142.5	0	
19	N019	112.578838	84	60	0	
20	N020	84	84	60	0	
21	N021	55.421162	84	60	0	
22	N022	32.038476	84	100.5	0	
23	N023	107.382686	84	150	0	
24	N024	46.327895	84	125.25	0	
25	N025	121.672105	84	125.25	0	
26	N026	60.617314	84	150	0	
27	N027	135.961524	84	100.5	0	
28	N028	82.5	84	18	0	
29	N029	85.5	84	18	0	
30	N030	9.204828	84	144.950962	0	
31	N031	157.295172	84	147.549038	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
32	N032	10.704828	84	147.549038	0	
33	N033	158.795172	84	144.950962	0	
34	N034	58.5	84	60	0	
35	N035	59.077895	84	147.333648	0	
36	N036	134.422105	84	103.166352	0	
37	N037	109.5	84	60	0	
38	N038	33.577895	84	103.166352	0	
39	N039	108.922105	84	147.333648	0	
40	N040	84	60	96	0	
41	N041	77.504809	60	107.25	0	
42	N042	90.495191	60	107.25	0	
43	N043	159	132	150	0	
44	N044	9	132	150	0	
45	N045	86.770181	132	15.298095	0	
46	N046	6.229819	132	145.201905	0	
47	N047	161.770181	132	145.201905	0	
48	N048	81.229819	132	15.298095	0	
49	N049	84	84	54	0	
50	N050	41.131743	84	128.25	0	
51	N051	126.868257	84	128.25	0	
52	N052	79.669873	132	18	0	
53	N053	88.330127	132	18	0	
54	N054	7.789764	132	142.5	0	
55	N055	155.880109	132	150	0	
56	N056	12.119891	132	150	0	
57	N057	160.210236	132	142.5	0	
58	N058	150	132	153	0	
59	N059	18	132	153	0	
60	N060	106	132	153	0	
61	N061	62	132	153	0	
62	N062	93.868257	132	21.592323	0	
63	N063	8.131743	132	135.907677	0	
64	N064	115.868257	132	59.697441	0	
65	N065	30.131743	132	97.802559	0	
66	N066	137.868257	132	97.802559	0	
67	N067	52.131743	132	59.697441	0	
68	N068	159.868257	132	135.907677	0	
69	N069	74.131743	132	21.592323	0	
70	N070	150	84	153	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
71	N071	150	84	150	0	
72	N072	150	132	150	0	
73	N073	106	84	153	0	
74	N074	106	84	150	0	
75	N075	106	132	150	0	
76	N076	62	84	153	0	
77	N077	62	84	150	0	
78	N078	62	132	150	0	
79	N079	18	84	153	0	
80	N080	18	84	150	0	
81	N081	18	132	150	0	
82	N082	8.131743	84	135.907677	0	
83	N083	10.729819	84	137.407677	0	
84	N084	10.729819	132	137.407677	0	
85	N085	30.131743	84	97.802559	0	
86	N086	32.729819	84	99.302559	0	
87	N087	32.729819	132	99.302559	0	
88	N088	52.131743	84	59.697441	0	
89	N089	54.729819	84	61.197441	0	
90	N090	54.729819	132	61.197441	0	
91	N091	74.131743	84	21.592323	0	
92	N092	76.729819	84	23.092323	0	
93	N093	76.729819	132	23.092323	0	
94	N094	93.868257	84	21.592323	0	
95	N095	91.270181	84	23.092323	0	
96	N096	91.270181	132	23.092323	0	
97	N097	115.868257	84	59.697441	0	
98	N098	113.270181	84	61.197441	0	
99	N099	113.270181	132	61.197441	0	
100	N100	137.868257	84	97.802559	0	
101	N101	135.270181	84	99.302559	0	
102	N102	135.270181	132	99.302559	0	
103	N103	159.868257	84	135.907677	0	
104	N104	157.270181	84	137.407677	0	
105	N105	157.270181	132	137.407677	0	
106	N106	84	84	84	0	
107	N107	67.112505	84	113.25	0	
108	N108	100.887495	84	113.25	0	
109	N109	102	132	150	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
110	N110	115.270181	132	64.661543	0	
111	N111	34.729819	132	95.838457	0	
112	N112	66	132	150	0	
113	N113	133.270181	132	95.838457	0	
114	N114	52.729819	132	64.661543	0	
115	MP1t	150	168.75	153	0	
116	MP1b	150	72.75	153	0	
117	MP2t	18	168	153	0	
118	MP2b	18	72	153	0	
119	MP3t	106	168	153	0	
120	MP3b	106	72	153	0	
121	MP4t	62	168	153	0	
122	MP4b	62	72	153	0	
123	MP5t	93.868257	168.75	21.592323	0	
124	MP5b	93.868257	72.75	21.592323	0	
125	MP6t	8.131743	168.75	135.907677	0	
126	MP6b	8.131743	72.75	135.907677	0	
127	MP7t	115.868257	168	59.697441	0	
128	MP7b	115.868257	72	59.697441	0	
129	MP8t	30.131743	168	97.802559	0	
130	MP8b	30.131743	72	97.802559	0	
131	MP9t	137.868257	168	97.802559	0	
132	MP9b	137.868257	72	97.802559	0	
133	MP10t	52.131743	168	59.697441	0	
134	MP10b	52.131743	72	59.697441	0	
135	MP11t	159.868257	168	135.907677	0	
136	MP11b	159.868257	72	135.907677	0	
137	MP12t	74.131743	168	21.592323	0	
138	MP12b	74.131743	72	21.592323	0	
139	NAL1	0.229819	192.75	177	0	
140	NAL2	0.229819	54	177	0	
141	NAL3	167.770181	192.75	177	0	
142	NAL4	167.770181	54	177	0	
143	NAL5	167.770181	192.75	-8.701905	0	
144	NAL6	167.770181	54	-8.701905	0	

Joint Boundary Conditions

	Joint Label	X [lb/in]	Y [lb/in]	Z [lb/in]	X Rot.[k-in/rad]	Y Rot.[k-in/rad]	Z Rot.[k-in/rad]
1	N001	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
2	N003	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
3	N004	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
4	N040	Reaction	Reaction	Reaction			
5	N041	Reaction	Reaction	Reaction			
6	N042	Reaction	Reaction	Reaction			

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(de...	Section/Shape	Type	Design List	Material	Design Rules
1	H001	N001	N002			PIPE_3.0	Beam	None	A53 Gr. B	Typical
2	H002	N003	N005			PIPE_3.0	Beam	None	A53 Gr. B	Typical
3	H003	N004	N006			PIPE_3.0	Beam	None	A53 Gr. B	Typical
4	H004	N007	N008			PIPE_3.0	Beam	None	A53 Gr. B	Typical
5	H005	N009	N011			PIPE_3.0	Beam	None	A53 Gr. B	Typical
6	H006	N010	N012			PIPE_3.0	Beam	None	A53 Gr. B	Typical
7	H007	N014	N013			PL6x0.5	Beam	None	A36	Typical
8	H008	N015	N017			PL6x0.5	Beam	None	A36	Typical
9	H009	N016	N018			PL6x0.5	Beam	None	A36	Typical
10	H010	N020	N019			C3x5	Beam	None	A36	Typical
11	H011	N024	N022			C3x5	Beam	None	A36	Typical
12	H012	N025	N023			C3x5	Beam	None	A36	Typical
13	H013	N020	N021		180	C3x5	Beam	None	A36	Typical
14	H014	N024	N026		180	C3x5	Beam	None	A36	Typical
15	H015	N025	N027		180	C3x5	Beam	None	A36	Typical
16	H016	N035	N032			L2x2x2	Beam	None	A36	Typical
17	H017	N036	N033			L2x2x2	Beam	None	A36	Typical
18	H018	N034	N028			L2x2x2	Beam	None	A36	Typical
19	H019	N038	N030		270	L2x2x2	Beam	None	A36	Typical
20	H020	N039	N031		270	L2x2x2	Beam	None	A36	Typical
21	H021	N037	N029		270	L2x2x2	Beam	None	A36	Typical
22	H022	N043	N044			PIPE_2.0	Beam	None	A53 Gr. B	Typical
23	H023	N045	N047			PIPE_2.0	Beam	None	A53 Gr. B	Typical
24	H024	N046	N048			PIPE_2.0	Beam	None	A53 Gr. B	Typical
25	TB025	N040	N049			LL2.5x2.5x4x6	Column	None	A36	Typical
26	TB026	N041	N050			LL2.5x2.5x4x6	Column	None	A36	Typical
27	TB027	N042	N051			LL2.5x2.5x4x6	Column	None	A36	Typical
28	H028	N053	N052			PL6x0.5	Beam	None	A36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(de...	Section/Shape	Type	Design List	Material	Design Rules
29	H029	N054	N056			PL6x0.5	Beam	None	A36	Typical
30	H030	N055	N057			PL6x0.5	Beam	None	A36	Typical
31	U031	N070	N071			(2) 1/2 U-Bolts	Beam	None	A36	Typical
32	U032	N058	N072			(1) 1/2 U-Bolt	Beam	None	A36	Typical
33	U033	N073	N074			(2) 1/2 U-Bolts	Beam	None	A36	Typical
34	U034	N060	N075			(1) 1/2 U-Bolt	Beam	None	A36	Typical
35	U035	N076	N077			(2) 1/2 U-Bolts	Beam	None	A36	Typical
36	U036	N061	N078			(1) 1/2 U-Bolt	Beam	None	A36	Typical
37	U037	N079	N080			(2) 1/2 U-Bolts	Beam	None	A36	Typical
38	U038	N059	N081			(1) 1/2 U-Bolt	Beam	None	A36	Typical
39	U039	N082	N083			(2) 1/2 U-Bolts	Beam	None	A36	Typical
40	U040	N063	N084			(1) 1/2 U-Bolt	Beam	None	A36	Typical
41	U041	N085	N086			(2) 1/2 U-Bolts	Beam	None	A36	Typical
42	U042	N065	N087			(1) 1/2 U-Bolt	Beam	None	A36	Typical
43	U043	N088	N089			(2) 1/2 U-Bolts	Beam	None	A36	Typical
44	U044	N067	N090			(1) 1/2 U-Bolt	Beam	None	A36	Typical
45	U045	N091	N092			(2) 1/2 U-Bolts	Beam	None	A36	Typical
46	U046	N069	N093			(1) 1/2 U-Bolt	Beam	None	A36	Typical
47	U047	N094	N095			(2) 1/2 U-Bolts	Beam	None	A36	Typical
48	U048	N062	N096			(1) 1/2 U-Bolt	Beam	None	A36	Typical
49	U049	N097	N098			(2) 1/2 U-Bolts	Beam	None	A36	Typical
50	U050	N064	N099			(1) 1/2 U-Bolt	Beam	None	A36	Typical
51	U051	N100	N101			(2) 1/2 U-Bolts	Beam	None	A36	Typical
52	U052	N066	N102			(1) 1/2 U-Bolt	Beam	None	A36	Typical
53	U053	N103	N104			(2) 1/2 U-Bolts	Beam	None	A36	Typical
54	U054	N068	N105			(1) 1/2 U-Bolt	Beam	None	A36	Typical
55	D055	N108	N109		180	L3x3x4	Column	None	A36	Typical
56	D056	N106	N110		180	L3x3x4	Column	None	A36	Typical
57	D057	N107	N111		180	L3x3x4	Column	None	A36	Typical
58	D058	N107	N112			L3x3x4	Column	None	A36	Typical
59	D059	N108	N113			L3x3x4	Column	None	A36	Typical
60	D060	N106	N114			L3x3x4	Column	None	A36	Typical
61	MP1	MP1t	MP1b			PIPE_2.5	Column	None	A53 Gr. B	Typical
62	MP2	MP2t	MP2b			PIPE_2.5	Column	None	A53 Gr. B	Typical
63	MP3	MP3t	MP3b			PIPE_2.5	Column	None	A53 Gr. B	Typical
64	MP4	MP4t	MP4b			PIPE_2.5	Column	None	A53 Gr. B	Typical
65	MP5	MP5t	MP5b			PIPE_2.5	Column	None	A53 Gr. B	Typical
66	MP6	MP6t	MP6b			PIPE_2.5	Column	None	A53 Gr. B	Typical
67	MP7	MP7t	MP7b			PIPE_2.5	Column	None	A53 Gr. B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(de...	Section/Shape	Type	Design List	Material	Design Rules
68	MP8	MP8t	MP8b			PIPE_2.5	Column	None	A53 Gr. B	Typical
69	MP9	MP9t	MP9b			PIPE_2.5	Column	None	A53 Gr. B	Typical
70	MP10	MP10t	MP10b			PIPE_2.5	Column	None	A53 Gr. B	Typical
71	MP11	MP11t	MP11b			PIPE_2.5	Column	None	A53 Gr. B	Typical
72	MP12	MP12t	MP12b			PIPE_2.5	Column	None	A53 Gr. B	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Ra...	Analysis ...	Inactive	Seismic...
1	H001						Yes				None
2	H002						Yes				None
3	H003						Yes				None
4	H004						Yes				None
5	H005						Yes				None
6	H006						Yes				None
7	H007	BenPIN	BenPIN				Yes				None
8	H008	BenPIN	BenPIN				Yes				None
9	H009	BenPIN	BenPIN				Yes				None
10	H010		BenPIN				Yes				None
11	H011		BenPIN				Yes				None
12	H012		BenPIN				Yes				None
13	H013		BenPIN				Yes				None
14	H014		BenPIN				Yes				None
15	H015		BenPIN				Yes				None
16	H016						Yes				None
17	H017						Yes				None
18	H018						Yes				None
19	H019						Yes				None
20	H020						Yes				None
21	H021						Yes				None
22	H022						Yes				None
23	H023						Yes				None
24	H024						Yes				None
25	TB025		BenPIN				Yes	** NA **			None
26	TB026		BenPIN				Yes	** NA **			None
27	TB027		BenPIN				Yes	** NA **			None
28	H028						Yes				None
29	H029						Yes				None
30	H030						Yes				None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Ra...	Analysis ...	Inactive	Seismic...
31	U031						Yes			Exclude	None
32	U032	OOOXOX					Yes			Exclude	None
33	U033						Yes			Exclude	None
34	U034	OOOXOX					Yes			Exclude	None
35	U035						Yes			Exclude	None
36	U036	OOOXOX					Yes			Exclude	None
37	U037						Yes			Exclude	None
38	U038	OOOXOX					Yes			Exclude	None
39	U039						Yes			Exclude	None
40	U040	OOOXOX					Yes			Exclude	None
41	U041						Yes			Exclude	None
42	U042	OOOXOX					Yes			Exclude	None
43	U043						Yes			Exclude	None
44	U044	OOOXOX					Yes			Exclude	None
45	U045						Yes			Exclude	None
46	U046	OOOXOX					Yes			Exclude	None
47	U047						Yes			Exclude	None
48	U048	OOOXOX					Yes			Exclude	None
49	U049						Yes			Exclude	None
50	U050	OOOXOX					Yes			Exclude	None
51	U051						Yes			Exclude	None
52	U052	OOOXOX					Yes			Exclude	None
53	U053						Yes			Exclude	None
54	U054	OOOXOX					Yes			Exclude	None
55	D055	BenPIN	BenPIN				Yes	** NA **			None
56	D056	BenPIN	BenPIN				Yes	** NA **			None
57	D057	BenPIN	BenPIN				Yes	** NA **			None
58	D058	BenPIN	BenPIN				Yes	** NA **			None
59	D059	BenPIN	BenPIN				Yes	** NA **			None
60	D060	BenPIN	BenPIN				Yes	** NA **			None
61	MP1						Yes	** NA **			None
62	MP2						Yes	** NA **			None
63	MP3						Yes	** NA **			None
64	MP4						Yes	** NA **			None
65	MP5						Yes	** NA **			None
66	MP6						Yes	** NA **			None
67	MP7						Yes	** NA **			None
68	MP8						Yes	** NA **			None
69	MP9						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Ra...	Analysis ...	Inactive	Seismic...
70	MP10						Yes	** NA **			None
71	MP11						Yes	** NA **			None
72	MP12						Yes	** NA **			None

Hot Rolled Steel Design Parameters

	Label	Shape	Length[in]	Lbyy[in]	Lbzz[in]	Lcomp top[i...	Lcomp bot[i...	L-torq...	Kyy	Kzz	Cb	Functi...
1	H001	PIPE_3.0	78						1	1		Lateral
2	H002	PIPE_3.0	78						1	1		Lateral
3	H003	PIPE_3.0	78						1	1		Lateral
4	H004	PIPE_3.0	150						1	1		Lateral
5	H005	PIPE_3.0	150						1	1		Lateral
6	H006	PIPE_3.0	150						1	1		Lateral
7	H007	PL6x0.5	8.66						1	1		Lateral
8	H008	PL6x0.5	8.66						1	1		Lateral
9	H009	PL6x0.5	8.66						1	1		Lateral
10	H010	C3x5	28.579						.8	.8		Lateral
11	H011	C3x5	28.579						.8	.8		Lateral
12	H012	C3x5	28.579						.8	.8		Lateral
13	H013	C3x5	28.579						.8	.8		Lateral
14	H014	C3x5	28.579						.8	.8		Lateral
15	H015	C3x5	28.579						.8	.8		Lateral
16	H016	L2x2x2	48.374						.65	.65		Lateral
17	H017	L2x2x2	48.374						.65	.65		Lateral
18	H018	L2x2x2	48.374						.65	.65		Lateral
19	H019	L2x2x2	48.374						.65	.65		Lateral
20	H020	L2x2x2	48.374						.65	.65		Lateral
21	H021	L2x2x2	48.374						.65	.65		Lateral
22	H022	PIPE_2.0	150						1	1		Lateral
23	H023	PIPE_2.0	150						1	1		Lateral
24	H024	PIPE_2.0	150						1	1		Lateral
25	TB025	LL2.5x2.5x4...	48.374						1	1		Lateral
26	TB026	LL2.5x2.5x4...	48.374						1	1		Lateral
27	TB027	LL2.5x2.5x4...	48.374						1	1		Lateral
28	H028	PL6x0.5	8.66						.65	.65		Lateral
29	H029	PL6x0.5	8.66						.65	.65		Lateral
30	H030	PL6x0.5	8.66						.65	.65		Lateral
31	U031	(2) 1/2 U-B...	3						.5	.5		Lateral
32	U032	(1) 1/2 U-Bolt	3						.5	.5		Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[in]	Lbyy[in]	Lbzz[in]	Lcomp top[i...	Lcomp bot[i...	L-torq...	Kyy	Kzz	Cb	Functi...
33	U033	(2) 1/2 U-B...	3						.5	.5		Lateral
34	U034	(1) 1/2 U-Bolt	3						.5	.5		Lateral
35	U035	(2) 1/2 U-B...	3						.5	.5		Lateral
36	U036	(1) 1/2 U-Bolt	3						.5	.5		Lateral
37	U037	(2) 1/2 U-B...	3						.5	.5		Lateral
38	U038	(1) 1/2 U-Bolt	3						.5	.5		Lateral
39	U039	(2) 1/2 U-B...	3						.5	.5		Lateral
40	U040	(1) 1/2 U-Bolt	3						.5	.5		Lateral
41	U041	(2) 1/2 U-B...	3						.5	.5		Lateral
42	U042	(1) 1/2 U-Bolt	3						.5	.5		Lateral
43	U043	(2) 1/2 U-B...	3						.5	.5		Lateral
44	U044	(1) 1/2 U-Bolt	3						.5	.5		Lateral
45	U045	(2) 1/2 U-B...	3						.5	.5		Lateral
46	U046	(1) 1/2 U-Bolt	3						.5	.5		Lateral
47	U047	(2) 1/2 U-B...	3						.5	.5		Lateral
48	U048	(1) 1/2 U-Bolt	3						.5	.5		Lateral
49	U049	(2) 1/2 U-B...	3						.5	.5		Lateral
50	U050	(1) 1/2 U-Bolt	3						.5	.5		Lateral
51	U051	(2) 1/2 U-B...	3						.5	.5		Lateral
52	U052	(1) 1/2 U-Bolt	3						.5	.5		Lateral
53	U053	(2) 1/2 U-B...	3						.5	.5		Lateral
54	U054	(1) 1/2 U-Bolt	3						.5	.5		Lateral
55	D055	L3x3x4	60.463						1	1		Lateral
56	D056	L3x3x4	60.463						1	1		Lateral
57	D057	L3x3x4	60.463						1	1		Lateral
58	D058	L3x3x4	60.463						1	1		Lateral
59	D059	L3x3x4	60.463						1	1		Lateral
60	D060	L3x3x4	60.463						1	1		Lateral
61	MP1	PIPE_2.5	96						2.1	2.1		Lateral
62	MP2	PIPE_2.5	96						2.1	2.1		Lateral
63	MP3	PIPE_2.5	96						2.1	2.1		Lateral
64	MP4	PIPE_2.5	96						2.1	2.1		Lateral
65	MP5	PIPE_2.5	96						2.1	2.1		Lateral
66	MP6	PIPE_2.5	96						2.1	2.1		Lateral
67	MP7	PIPE_2.5	96						2.1	2.1		Lateral
68	MP8	PIPE_2.5	96						2.1	2.1		Lateral
69	MP9	PIPE_2.5	96						2.1	2.1		Lateral
70	MP10	PIPE_2.5	96						2.1	2.1		Lateral
71	MP11	PIPE_2.5	96						2.1	2.1		Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[in]	Lbyy[in]	Lbzz[in]	Lcomp top[i...	Lcomp bot[i...	L-torq...	Kyy	Kzz	Cb	Functi...
72	MP12	PIPE_2.5	96						2.1	2.1		Lateral

Hot Rolled Steel Properties

	Label	E [psi]	G [psi]	Nu	Therm (/1E..	Density[lb/...	Yield[psi]	Ry	Fu[psi]	Rt
1	A36	2.9e+7	1.115e+7	.3	.65	490	36000	1.5	58000	1.2
2	A572-50	2.9e+7	1.115e+7	.3	.65	490	50000	1.1	65000	1.1
3	A500 Gr. B [RND]	2.9e+7	1.115e+7	.3	.65	527	42000	1.4	58000	1.3
4	A500 Gr. B [SQR]	2.9e+7	1.115e+7	.3	.65	527	46000	1.4	58000	1.3
5	A500 Gr. C	2.9e+7	1.115e+7	.3	.65	190	46000	1.4	62000	1.3
6	A1085	2.9e+7	1.115e+7	.3	.65	490	50000	1.1	65000	1.1
7	A53 Gr. B	2.9e+7	1.115e+7	.3	.65	490	35000	1.6	60000	1.2
8	A992	2.9e+7	1.115e+7	.3	.65	490	50000	1.1	65000	1.1
9	SAE J429 Gr. 2	2.9e+7	1.115e+7	.3	.65	490	57000	1.1	74000	1.1

Joint Loads and Enforced Displacements (BLC 12 : Lm (1))

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*s...
1	MP1t	L	Y	-500

Joint Loads and Enforced Displacements (BLC 13 : Lm (2))

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*s...
1	MP2t	L	Y	-500

Joint Loads and Enforced Displacements (BLC 14 : Lm (3))

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*s...
1	MP3t	L	Y	-500

Joint Loads and Enforced Displacements (BLC 15 : Lm (4))

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*s...
1	MP4t	L	Y	-500

Joint Loads and Enforced Displacements (BLC 16 : Lm (5))

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*s...
1	MP5t	L	Y	-500

Joint Loads and Enforced Displacements (BLC 17 : Lm (6))

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*s...
1	MP6t	L	Y	-500

Joint Loads and Enforced Displacements (BLC 18 : Lm (7))

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*s...
1	MP7t	L	Y	-500

Joint Loads and Enforced Displacements (BLC 19 : Lm (8))

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*s...
1	MP8t	L	Y	-500

Joint Loads and Enforced Displacements (BLC 20 : Lm (9))

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*s...
1	MP9t	L	Y	-500

Joint Loads and Enforced Displacements (BLC 21 : Lm (10))

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*s...
1	MP10t	L	Y	-500

Joint Loads and Enforced Displacements (BLC 22 : Lm (11))

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*s...
1	MP11t	L	Y	-500

Joint Loads and Enforced Displacements (BLC 23 : Lm (12))

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*s...
1	MP12t	L	Y	-500

Member Point Loads (BLC 1 : Dead)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	Y	-6.4	44.25
2	MP1	Y	-6.4	44.25
3	MP1	Y	-2.2	59.25
4	MP1	Y	-2.2	59.25
5	MP1	Y	-14.1	74.25
6	MP1	Y	-14.1	74.25
7	MP1	Y	-36.5	18.45
8	MP1	Y	-36.5	76.05

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
9	MP2	Y	-39.7	18.8
10	MP2	Y	-39.7	75.75
11	MP2	Y	-71	71.25
12	MP2	Y	-72	47.25
13	MP4	Y	-25.5	29.25
14	MP4	Y	-25.5	29.25
15	MP4	Y	-59.9	71.25
16	MP4	Y	-60	50.25
17	MP4	Y	-55.5	21.45
18	MP4	Y	-55.5	76.05
19	MP5	Y	-36.5	18.45
20	MP5	Y	-36.5	76.05
21	MP5	Y	-14.1	74.25
22	MP5	Y	-6.4	44.25
23	MP5	Y	-14.1	74.25
24	MP5	Y	-6.4	44.25
25	MP5	Y	-2.2	59.25
26	MP5	Y	-2.2	59.25
27	MP6	Y	-36.5	18.45
28	MP6	Y	-36.5	76.05
29	MP6	Y	-14.1	74.25
30	MP6	Y	-14.1	74.25
31	MP6	Y	-6.4	44.25
32	MP6	Y	-6.4	44.25
33	MP6	Y	-2.2	59.25
34	MP6	Y	-2.2	59.25
35	MP9	Y	-55.5	18.45
36	MP9	Y	-55.5	76.05
37	MP9	Y	-25.5	29.25
38	MP9	Y	-25.5	29.25
39	MP9	Y	-59.9	71.25
40	MP9	Y	-60	50.25
41	MP10	Y	-55.5	18.45
42	MP10	Y	-55.5	76.05
43	MP10	Y	-25.5	29.25
44	MP10	Y	-25.5	29.25
45	MP10	Y	-59.9	71.25
46	MP10	Y	-60	50.25
47	MP11	Y	-39.7	18.8

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
48	MP11	Y	-39.7	75.75
49	MP11	Y	-71	71.25
50	MP11	Y	-72	47.25
51	MP12	Y	-39.7	18.8
52	MP12	Y	-39.7	75.75
53	MP12	Y	-71	71.25
54	MP12	Y	-72	47.25

Member Point Loads (BLC 2 : Ice)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	Y	-10.958	44.25
2	MP1	Y	-10.958	44.25
3	MP1	Y	-8.811	59.25
4	MP1	Y	-8.811	59.25
5	MP1	Y	-20.095	74.25
6	MP1	Y	-20.095	74.25
7	MP1	Y	-74.593	18.45
8	MP1	Y	-74.593	76.05
9	MP2	Y	-93.353	18.8
10	MP2	Y	-93.353	75.75
11	MP2	Y	-48.506	71.25
12	MP2	Y	-46.256	47.25
13	MP4	Y	-15.096	29.25
14	MP4	Y	-15.096	29.25
15	MP4	Y	-42.019	71.25
16	MP4	Y	-55.384	50.25
17	MP4	Y	-73.091	21.45
18	MP4	Y	-73.091	76.05
19	MP5	Y	-74.593	18.45
20	MP5	Y	-74.593	76.05
21	MP5	Y	-20.095	74.25
22	MP5	Y	-10.958	44.25
23	MP5	Y	-20.095	74.25
24	MP5	Y	-10.958	44.25
25	MP5	Y	-8.811	59.25
26	MP5	Y	-8.811	59.25
27	MP6	Y	-74.593	18.45
28	MP6	Y	-74.593	76.05
29	MP6	Y	-20.095	74.25

Member Point Loads (BLC 2 : Ice) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
30	MP6	Y	-20.095	74.25
31	MP6	Y	-10.958	44.25
32	MP6	Y	-10.958	44.25
33	MP6	Y	-8.811	59.25
34	MP6	Y	-8.811	59.25
35	MP9	Y	-73.091	18.45
36	MP9	Y	-73.091	76.05
37	MP9	Y	-15.096	29.25
38	MP9	Y	-15.096	29.25
39	MP9	Y	-42.019	71.25
40	MP9	Y	-55.384	50.25
41	MP10	Y	-73.091	18.45
42	MP10	Y	-73.091	76.05
43	MP10	Y	-15.096	29.25
44	MP10	Y	-15.096	29.25
45	MP10	Y	-42.019	71.25
46	MP10	Y	-55.384	50.25
47	MP11	Y	-93.353	18.8
48	MP11	Y	-93.353	75.75
49	MP11	Y	-48.506	71.25
50	MP11	Y	-46.256	47.25
51	MP12	Y	-93.353	18.8
52	MP12	Y	-93.353	75.75
53	MP12	Y	-48.506	71.25
54	MP12	Y	-46.256	47.25

Member Point Loads (BLC 3 : Wind -Z)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	Z	-11.229	44.25
2	MP1	Z	-11.229	44.25
3	MP1	Z	-5.459	59.25
4	MP1	Z	-5.459	59.25
5	MP1	Z	-13.642	74.25
6	MP1	Z	-13.642	74.25
7	MP1	Z	-169.682	18.45
8	MP1	Z	-169.682	76.05
9	MP2	Z	-223.493	18.8
10	MP2	Z	-223.101	75.75
11	MP2	Z	-34.594	71.25

Member Point Loads (BLC 3 : Wind -Z) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
12	MP2	Z	-28.796	47.25
13	MP4	Z	-16.948	29.25
14	MP4	Z	-17.518	29.25
15	MP4	Z	-32.372	71.25
16	MP4	Z	-48.187	50.25
17	MP4	Z	-150.749	21.45
18	MP4	Z	-135.046	76.05
19	MP5	Z	-118.619	18.45
20	MP5	Z	-118.619	76.05
21	MP5	Z	-34.225	74.25
22	MP5	Z	-17.779	44.25
23	MP5	Z	-38.852	74.25
24	MP5	Z	-17.631	44.25
25	MP5	Z	-11.336	59.25
26	MP5	Z	-12.369	59.25
27	MP6	Z	-118.619	18.45
28	MP6	Z	-118.619	76.05
29	MP6	Z	-38.852	74.25
30	MP6	Z	-34.225	74.25
31	MP6	Z	-17.631	44.25
32	MP6	Z	-17.779	44.25
33	MP6	Z	-12.369	59.25
34	MP6	Z	-11.336	59.25
35	MP9	Z	-115.27	18.45
36	MP9	Z	-115.27	76.05
37	MP9	Z	-21	29.25
38	MP9	Z	-18.856	29.25
39	MP9	Z	-32.295	71.25
40	MP9	Z	-49.475	50.25
41	MP10	Z	-115.27	18.45
42	MP10	Z	-115.27	76.05
43	MP10	Z	-19.276	29.25
44	MP10	Z	-20.914	29.25
45	MP10	Z	-32.295	71.25
46	MP10	Z	-49.475	50.25
47	MP11	Z	-146.535	18.8
48	MP11	Z	-146.277	75.75
49	MP11	Z	-38.632	71.25
50	MP11	Z	-34.991	47.25

Member Point Loads (BLC 3 : Wind -Z) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
51	MP12	Z	-146.535	18.8
52	MP12	Z	-146.277	75.75
53	MP12	Z	-38.632	71.25
54	MP12	Z	-34.991	47.25

Member Point Loads (BLC 4 : Wind -X)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-17.04	44.25
2	MP1	X	-17.04	44.25
3	MP1	X	-12.326	59.25
4	MP1	X	-12.326	59.25
5	MP1	X	-39.422	74.25
6	MP1	X	-39.422	74.25
7	MP1	X	-39.004	18.45
8	MP1	X	-39.004	76.05
9	MP2	X	-40.17	18.8
10	MP2	X	-40.099	75.75
11	MP2	X	-49.271	71.25
12	MP2	X	-47.557	47.25
13	MP4	X	-17.518	29.25
14	MP4	X	-16.948	29.25
15	MP4	X	-37.203	71.25
16	MP4	X	-58.615	50.25
17	MP4	X	-53.38	21.45
18	MP4	X	-47.82	76.05
19	MP5	X	-166.451	18.45
20	MP5	X	-166.451	76.05
21	MP5	X	-30.307	74.25
22	MP5	X	-13.498	44.25
23	MP5	X	-19.857	74.25
24	MP5	X	-16.748	44.25
25	MP5	X	-10.293	59.25
26	MP5	X	-7.309	59.25
27	MP6	X	-166.451	18.45
28	MP6	X	-166.451	76.05
29	MP6	X	-19.857	74.25
30	MP6	X	-30.307	74.25
31	MP6	X	-16.748	44.25
32	MP6	X	-13.498	44.25

Member Point Loads (BLC 4 : Wind -X) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
33	MP6	X	-7.309	59.25
34	MP6	X	-10.293	59.25
35	MP9	X	-149.053	18.45
36	MP9	X	-149.053	76.05
37	MP9	X	-20.914	29.25
38	MP9	X	-19.276	29.25
39	MP9	X	-74.671	71.25
40	MP9	X	-112.77	50.25
41	MP10	X	-149.053	18.45
42	MP10	X	-149.053	76.05
43	MP10	X	-18.856	29.25
44	MP10	X	-21	29.25
45	MP10	X	-74.671	71.25
46	MP10	X	-112.77	50.25
47	MP11	X	-213.636	18.8
48	MP11	X	-213.261	75.75
49	MP11	X	-84.554	71.25
50	MP11	X	-73.655	47.25
51	MP12	X	-213.636	18.8
52	MP12	X	-213.261	75.75
53	MP12	X	-84.554	71.25
54	MP12	X	-73.655	47.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	Z	-13.555	44.25
2	MP1	Z	-13.555	44.25
3	MP1	Z	-8.317	59.25
4	MP1	Z	-8.317	59.25
5	MP1	Z	-11.388	74.25
6	MP1	Z	-11.388	74.25
7	MP1	Z	-33.092	18.45
8	MP1	Z	-33.092	76.05
9	MP2	Z	-33.316	18.8
10	MP2	Z	-33.258	75.75
11	MP2	Z	-11.412	71.25
12	MP2	Z	-10.388	47.25
13	MP4	Z	-13.111	29.25
14	MP4	Z	-13.277	29.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
15	MP4	Z	-11.003	71.25
16	MP4	Z	-14.212	50.25
17	MP4	Z	-35.12	21.45
18	MP4	Z	-31.462	76.05
19	MP5	Z	-28.627	18.45
20	MP5	Z	-28.627	76.05
21	MP5	Z	-18.989	74.25
22	MP5	Z	-15.654	44.25
23	MP5	Z	-19.524	74.25
24	MP5	Z	-16.972	44.25
25	MP5	Z	-12.35	59.25
26	MP5	Z	-12.214	59.25
27	MP6	Z	-28.627	18.45
28	MP6	Z	-28.627	76.05
29	MP6	Z	-19.524	74.25
30	MP6	Z	-18.989	74.25
31	MP6	Z	-16.972	44.25
32	MP6	Z	-15.654	44.25
33	MP6	Z	-12.214	59.25
34	MP6	Z	-12.35	59.25
35	MP9	Z	-29.052	18.45
36	MP9	Z	-29.052	76.05
37	MP9	Z	-16.058	29.25
38	MP9	Z	-14.536	29.25
39	MP9	Z	-13.345	71.25
40	MP9	Z	-18.46	50.25
41	MP10	Z	-29.052	18.45
42	MP10	Z	-29.052	76.05
43	MP10	Z	-14.659	29.25
44	MP10	Z	-16.033	29.25
45	MP10	Z	-13.345	71.25
46	MP10	Z	-18.46	50.25
47	MP11	Z	-28.676	18.8
48	MP11	Z	-28.626	75.75
49	MP11	Z	-14.466	71.25
50	MP11	Z	-13.511	47.25
51	MP12	Z	-28.676	18.8
52	MP12	Z	-28.626	75.75
53	MP12	Z	-14.466	71.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
54	MP12	Z	-13.511	47.25

Member Point Loads (BLC 6 : Wind -X (Ice))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-14.267	44.25
2	MP1	X	-14.267	44.25
3	MP1	X	-11.585	59.25
4	MP1	X	-11.585	59.25
5	MP1	X	-18.901	74.25
6	MP1	X	-18.901	74.25
7	MP1	X	-13.95	18.45
8	MP1	X	-13.95	76.05
9	MP2	X	-13.877	18.8
10	MP2	X	-13.853	75.75
11	MP2	X	-20.231	71.25
12	MP2	X	-19.206	47.25
13	MP4	X	-13.277	29.25
14	MP4	X	-13.111	29.25
15	MP4	X	-18.114	71.25
16	MP4	X	-26.222	50.25
17	MP4	X	-15.113	21.45
18	MP4	X	-13.539	76.05
19	MP5	X	-35.633	18.45
20	MP5	X	-35.633	76.05
21	MP5	X	-17.847	74.25
22	MP5	X	-15.129	44.25
23	MP5	X	-13.988	74.25
24	MP5	X	-16.864	44.25
25	MP5	X	-11.853	59.25
26	MP5	X	-9.806	59.25
27	MP6	X	-35.633	18.45
28	MP6	X	-35.633	76.05
29	MP6	X	-13.988	74.25
30	MP6	X	-17.847	74.25
31	MP6	X	-16.864	44.25
32	MP6	X	-15.129	44.25
33	MP6	X	-9.806	59.25
34	MP6	X	-11.853	59.25
35	MP9	X	-35.994	18.45

Member Point Loads (BLC 6 : Wind -X (Ice)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
36	MP9	X	-35.994	76.05
37	MP9	X	-16.033	29.25
38	MP9	X	-14.659	29.25
39	MP9	X	-28.115	71.25
40	MP9	X	-37.726	50.25
41	MP10	X	-35.994	18.45
42	MP10	X	-35.994	76.05
43	MP10	X	-14.536	29.25
44	MP10	X	-16.058	29.25
45	MP10	X	-28.115	71.25
46	MP10	X	-37.726	50.25
47	MP11	X	-35.791	18.8
48	MP11	X	-35.729	75.75
49	MP11	X	-29.882	71.25
50	MP11	X	-27.596	47.25
51	MP12	X	-35.791	18.8
52	MP12	X	-35.729	75.75
53	MP12	X	-29.882	71.25
54	MP12	X	-27.596	47.25

Member Point Loads (BLC 7 : Wind -Z (Working))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	Z	-.702	44.25
2	MP1	Z	-.702	44.25
3	MP1	Z	-.341	59.25
4	MP1	Z	-.341	59.25
5	MP1	Z	-.853	74.25
6	MP1	Z	-.853	74.25
7	MP1	Z	-10.605	18.45
8	MP1	Z	-10.605	76.05
9	MP2	Z	-13.968	18.8
10	MP2	Z	-13.944	75.75
11	MP2	Z	-2.162	71.25
12	MP2	Z	-1.8	47.25
13	MP4	Z	-1.059	29.25
14	MP4	Z	-1.095	29.25
15	MP4	Z	-2.023	71.25
16	MP4	Z	-3.012	50.25
17	MP4	Z	-9.422	21.45

Member Point Loads (BLC 7 : Wind -Z (Working)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
18	MP4	Z	-8.44	76.05
19	MP5	Z	-7.414	18.45
20	MP5	Z	-7.414	76.05
21	MP5	Z	-2.139	74.25
22	MP5	Z	-1.111	44.25
23	MP5	Z	-2.428	74.25
24	MP5	Z	-1.102	44.25
25	MP5	Z	-.709	59.25
26	MP5	Z	-.773	59.25
27	MP6	Z	-7.414	18.45
28	MP6	Z	-7.414	76.05
29	MP6	Z	-2.428	74.25
30	MP6	Z	-2.139	74.25
31	MP6	Z	-1.102	44.25
32	MP6	Z	-1.111	44.25
33	MP6	Z	-.773	59.25
34	MP6	Z	-.709	59.25
35	MP9	Z	-7.204	18.45
36	MP9	Z	-7.204	76.05
37	MP9	Z	-1.313	29.25
38	MP9	Z	-1.179	29.25
39	MP9	Z	-2.018	71.25
40	MP9	Z	-3.092	50.25
41	MP10	Z	-7.204	18.45
42	MP10	Z	-7.204	76.05
43	MP10	Z	-1.205	29.25
44	MP10	Z	-1.307	29.25
45	MP10	Z	-2.018	71.25
46	MP10	Z	-3.092	50.25
47	MP11	Z	-9.158	18.8
48	MP11	Z	-9.142	75.75
49	MP11	Z	-2.414	71.25
50	MP11	Z	-2.187	47.25
51	MP12	Z	-9.158	18.8
52	MP12	Z	-9.142	75.75
53	MP12	Z	-2.414	71.25
54	MP12	Z	-2.187	47.25

Member Point Loads (BLC 8 : Wind -X (Working))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-1.065	44.25
2	MP1	X	-1.065	44.25
3	MP1	X	-.77	59.25
4	MP1	X	-.77	59.25
5	MP1	X	-2.464	74.25
6	MP1	X	-2.464	74.25
7	MP1	X	-2.438	18.45
8	MP1	X	-2.438	76.05
9	MP2	X	-2.511	18.8
10	MP2	X	-2.506	75.75
11	MP2	X	-3.079	71.25
12	MP2	X	-2.972	47.25
13	MP4	X	-1.095	29.25
14	MP4	X	-1.059	29.25
15	MP4	X	-2.325	71.25
16	MP4	X	-3.663	50.25
17	MP4	X	-3.336	21.45
18	MP4	X	-2.989	76.05
19	MP5	X	-10.403	18.45
20	MP5	X	-10.403	76.05
21	MP5	X	-1.894	74.25
22	MP5	X	-.844	44.25
23	MP5	X	-1.241	74.25
24	MP5	X	-1.047	44.25
25	MP5	X	-.643	59.25
26	MP5	X	-.457	59.25
27	MP6	X	-10.403	18.45
28	MP6	X	-10.403	76.05
29	MP6	X	-1.241	74.25
30	MP6	X	-1.894	74.25
31	MP6	X	-1.047	44.25
32	MP6	X	-.844	44.25
33	MP6	X	-.457	59.25
34	MP6	X	-.643	59.25
35	MP9	X	-9.316	18.45
36	MP9	X	-9.316	76.05
37	MP9	X	-1.307	29.25
38	MP9	X	-1.205	29.25
39	MP9	X	-4.667	71.25

Member Point Loads (BLC 8 : Wind -X (Working)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
40	MP9	X	-7.048	50.25
41	MP10	X	-9.316	18.45
42	MP10	X	-9.316	76.05
43	MP10	X	-1.179	29.25
44	MP10	X	-1.313	29.25
45	MP10	X	-4.667	71.25
46	MP10	X	-7.048	50.25
47	MP11	X	-13.352	18.8
48	MP11	X	-13.329	75.75
49	MP11	X	-5.285	71.25
50	MP11	X	-4.603	47.25
51	MP12	X	-13.352	18.8
52	MP12	X	-13.329	75.75
53	MP12	X	-5.285	71.25
54	MP12	X	-4.603	47.25

Member Distributed Loads (BLC 2 : Ice)

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	H001	Y	-6.806	-6.806	0	%100
2	H002	Y	-6.806	-6.806	0	%100
3	H003	Y	-6.806	-6.806	0	%100
4	H004	Y	-6.806	-6.806	0	%100
5	H005	Y	-6.806	-6.806	0	%100
6	H006	Y	-6.806	-6.806	0	%100
7	H007	Y	-2.432	-2.432	0	%100
8	H008	Y	-2.432	-2.432	0	%100
9	H009	Y	-2.432	-2.432	0	%100
10	H010	Y	-6.593	-6.593	0	%100
11	H011	Y	-6.593	-6.593	0	%100
12	H012	Y	-6.593	-6.593	0	%100
13	H013	Y	-6.593	-6.593	0	%100
14	H014	Y	-6.593	-6.593	0	%100
15	H015	Y	-6.593	-6.593	0	%100
16	H016	Y	-2.043	-2.043	0	%100
17	H017	Y	-2.043	-2.043	0	%100
18	H018	Y	-2.043	-2.043	0	%100
19	H019	Y	-2.043	-2.043	0	%100
20	H020	Y	-2.043	-2.043	0	%100

Member Distributed Loads (BLC 2 : Ice) (Continued)

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
21	H021	Y	-2.043	-2.043	0	%100
22	H022	Y	-5.165	-5.165	0	%100
23	H023	Y	-5.165	-5.165	0	%100
24	H024	Y	-5.165	-5.165	0	%100
25	TB025	Y	-2.353	-2.353	0	%100
26	TB026	Y	-2.353	-2.353	0	%100
27	TB027	Y	-2.353	-2.353	0	%100
28	H028	Y	-2.432	-2.432	0	%100
29	H029	Y	-2.432	-2.432	0	%100
30	H030	Y	-2.432	-2.432	0	%100
31	D055	Y	-2.216	-2.216	0	%100
32	D056	Y	-2.216	-2.216	0	%100
33	D057	Y	-2.216	-2.216	0	%100
34	D058	Y	-2.216	-2.216	0	%100
35	D059	Y	-2.216	-2.216	0	%100
36	D060	Y	-2.216	-2.216	0	%100
37	MP1	Y	-5.894	-5.894	0	%100
38	MP2	Y	-5.894	-5.894	0	%100
39	MP3	Y	-5.894	-5.894	0	%100
40	MP4	Y	-5.894	-5.894	0	%100
41	MP5	Y	-5.894	-5.894	0	%100
42	MP6	Y	-5.894	-5.894	0	%100
43	MP7	Y	-5.894	-5.894	0	%100
44	MP8	Y	-5.894	-5.894	0	%100
45	MP9	Y	-5.894	-5.894	0	%100
46	MP10	Y	-5.894	-5.894	0	%100
47	MP11	Y	-5.894	-5.894	0	%100
48	MP12	Y	-5.894	-5.894	0	%100

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	H001	Z	-1.577	-1.577	0	%100
2	H002	Z	-1.577	-1.577	0	%100
3	H003	Z	-1.577	-1.577	0	%100
4	H004	Z	-1.577	-1.577	0	%100
5	H005	Z	-1.577	-1.577	0	%100
6	H006	Z	-1.577	-1.577	0	%100
7	H007	Z	-1.577	-1.577	0	%100
8	H008	Z	-1.577	-1.577	0	%100

Member Distributed Loads (BLC 5 : Wind -Z (Ice)) (Continued)

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
9	H009	Z	-1.577	-1.577	0	%100
10	H010	Z	-1.577	-1.577	0	%100
11	H011	Z	-1.577	-1.577	0	%100
12	H012	Z	-1.577	-1.577	0	%100
13	H013	Z	-1.577	-1.577	0	%100
14	H014	Z	-1.577	-1.577	0	%100
15	H015	Z	-1.577	-1.577	0	%100
16	H016	Z	-1.577	-1.577	0	%100
17	H017	Z	-1.577	-1.577	0	%100
18	H018	Z	-1.577	-1.577	0	%100
19	H019	Z	-1.577	-1.577	0	%100
20	H020	Z	-1.577	-1.577	0	%100
21	H021	Z	-1.577	-1.577	0	%100
22	H022	Z	-1.577	-1.577	0	%100
23	H023	Z	-1.577	-1.577	0	%100
24	H024	Z	-1.577	-1.577	0	%100
25	TB025	Z	-1.577	-1.577	0	%100
26	TB026	Z	-1.577	-1.577	0	%100
27	TB027	Z	-1.577	-1.577	0	%100
28	H028	Z	-1.577	-1.577	0	%100
29	H029	Z	-1.577	-1.577	0	%100
30	H030	Z	-1.577	-1.577	0	%100
31	D055	Z	-1.577	-1.577	0	%100
32	D056	Z	-1.577	-1.577	0	%100
33	D057	Z	-1.577	-1.577	0	%100
34	D058	Z	-1.577	-1.577	0	%100
35	D059	Z	-1.577	-1.577	0	%100
36	D060	Z	-1.577	-1.577	0	%100
37	MP1	Z	-1.577	-1.577	0	%100
38	MP2	Z	-1.577	-1.577	0	%100
39	MP3	Z	-1.577	-1.577	0	%100
40	MP4	Z	-1.577	-1.577	0	%100
41	MP5	Z	-1.577	-1.577	0	%100
42	MP6	Z	-1.577	-1.577	0	%100
43	MP7	Z	-1.577	-1.577	0	%100
44	MP8	Z	-1.577	-1.577	0	%100
45	MP9	Z	-1.577	-1.577	0	%100
46	MP10	Z	-1.577	-1.577	0	%100
47	MP11	Z	-1.577	-1.577	0	%100

Member Distributed Loads (BLC 5 : Wind -Z (Ice)) (Continued)

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
48	MP12	Z	-1.577	-1.577	0	%100

Member Distributed Loads (BLC 6 : Wind -X (Ice))

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	H001	X	-1.578	-1.578	0	%100
2	H002	X	-1.578	-1.578	0	%100
3	H003	X	-1.578	-1.578	0	%100
4	H004	X	-1.578	-1.578	0	%100
5	H005	X	-1.578	-1.578	0	%100
6	H006	X	-1.578	-1.578	0	%100
7	H007	X	-1.578	-1.578	0	%100
8	H008	X	-1.578	-1.578	0	%100
9	H009	X	-1.578	-1.578	0	%100
10	H010	X	-1.578	-1.578	0	%100
11	H011	X	-1.578	-1.578	0	%100
12	H012	X	-1.578	-1.578	0	%100
13	H013	X	-1.578	-1.578	0	%100
14	H014	X	-1.578	-1.578	0	%100
15	H015	X	-1.578	-1.578	0	%100
16	H016	X	-1.578	-1.578	0	%100
17	H017	X	-1.578	-1.578	0	%100
18	H018	X	-1.578	-1.578	0	%100
19	H019	X	-1.578	-1.578	0	%100
20	H020	X	-1.578	-1.578	0	%100
21	H021	X	-1.578	-1.578	0	%100
22	H022	X	-1.578	-1.578	0	%100
23	H023	X	-1.578	-1.578	0	%100
24	H024	X	-1.578	-1.578	0	%100
25	TB025	X	-1.578	-1.578	0	%100
26	TB026	X	-1.578	-1.578	0	%100
27	TB027	X	-1.578	-1.578	0	%100
28	H028	X	-1.578	-1.578	0	%100
29	H029	X	-1.578	-1.578	0	%100
30	H030	X	-1.578	-1.578	0	%100
31	D055	X	-1.578	-1.578	0	%100
32	D056	X	-1.578	-1.578	0	%100
33	D057	X	-1.578	-1.578	0	%100
34	D058	X	-1.578	-1.578	0	%100
35	D059	X	-1.578	-1.578	0	%100

Member Distributed Loads (BLC 6 : Wind -X (Ice)) (Continued)

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
36	D060	X	-1.578	-1.578	0	%100
37	MP1	X	-1.578	-1.578	0	%100
38	MP2	X	-1.578	-1.578	0	%100
39	MP3	X	-1.578	-1.578	0	%100
40	MP4	X	-1.578	-1.578	0	%100
41	MP5	X	-1.578	-1.578	0	%100
42	MP6	X	-1.578	-1.578	0	%100
43	MP7	X	-1.578	-1.578	0	%100
44	MP8	X	-1.578	-1.578	0	%100
45	MP9	X	-1.578	-1.578	0	%100
46	MP10	X	-1.578	-1.578	0	%100
47	MP11	X	-1.578	-1.578	0	%100
48	MP12	X	-1.578	-1.578	0	%100

Member Distributed Loads (BLC 9 : Ev -Y (Seismic))

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	H001	Y	-.502	-.502	0	%100
2	H002	Y	-.502	-.502	0	%100
3	H003	Y	-.502	-.502	0	%100
4	H004	Y	-.502	-.502	0	%100
5	H005	Y	-.502	-.502	0	%100
6	H006	Y	-.502	-.502	0	%100
7	H007	Y	-.502	-.502	0	%100
8	H008	Y	-.502	-.502	0	%100
9	H009	Y	-.502	-.502	0	%100
10	H010	Y	-.502	-.502	0	%100
11	H011	Y	-.502	-.502	0	%100
12	H012	Y	-.502	-.502	0	%100
13	H013	Y	-.502	-.502	0	%100
14	H014	Y	-.502	-.502	0	%100
15	H015	Y	-.502	-.502	0	%100
16	H016	Y	-.502	-.502	0	%100
17	H017	Y	-.502	-.502	0	%100
18	H018	Y	-.502	-.502	0	%100
19	H019	Y	-.502	-.502	0	%100
20	H020	Y	-.502	-.502	0	%100
21	H021	Y	-.502	-.502	0	%100
22	H022	Y	-.502	-.502	0	%100
23	H023	Y	-.502	-.502	0	%100

Member Distributed Loads (BLC 9 : Ev -Y (Seismic)) (Continued)

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
24	H024	Y	-.502	-.502	0	%100
25	TB025	Y	-.502	-.502	0	%100
26	TB026	Y	-.502	-.502	0	%100
27	TB027	Y	-.502	-.502	0	%100
28	H028	Y	-.502	-.502	0	%100
29	H029	Y	-.502	-.502	0	%100
30	H030	Y	-.502	-.502	0	%100
31	D055	Y	-.502	-.502	0	%100
32	D056	Y	-.502	-.502	0	%100
33	D057	Y	-.502	-.502	0	%100
34	D058	Y	-.502	-.502	0	%100
35	D059	Y	-.502	-.502	0	%100
36	D060	Y	-.502	-.502	0	%100
37	MP1	Y	-.502	-.502	0	%100
38	MP2	Y	-.502	-.502	0	%100
39	MP3	Y	-.502	-.502	0	%100
40	MP4	Y	-.502	-.502	0	%100
41	MP5	Y	-.502	-.502	0	%100
42	MP6	Y	-.502	-.502	0	%100
43	MP7	Y	-.502	-.502	0	%100
44	MP8	Y	-.502	-.502	0	%100
45	MP9	Y	-.502	-.502	0	%100
46	MP10	Y	-.502	-.502	0	%100
47	MP11	Y	-.502	-.502	0	%100
48	MP12	Y	-.502	-.502	0	%100

Member Distributed Loads (BLC 10 : Eh -Z (Seismic))

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	H001	Z	-1.254	-1.254	0	%100
2	H002	Z	-1.254	-1.254	0	%100
3	H003	Z	-1.254	-1.254	0	%100
4	H004	Z	-1.254	-1.254	0	%100
5	H005	Z	-1.254	-1.254	0	%100
6	H006	Z	-1.254	-1.254	0	%100
7	H007	Z	-1.254	-1.254	0	%100
8	H008	Z	-1.254	-1.254	0	%100
9	H009	Z	-1.254	-1.254	0	%100
10	H010	Z	-1.254	-1.254	0	%100
11	H011	Z	-1.254	-1.254	0	%100

Member Distributed Loads (BLC 10 : Eh -Z (Seismic)) (Continued)

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
12	H012	Z	-1.254	-1.254	0	%100
13	H013	Z	-1.254	-1.254	0	%100
14	H014	Z	-1.254	-1.254	0	%100
15	H015	Z	-1.254	-1.254	0	%100
16	H016	Z	-1.254	-1.254	0	%100
17	H017	Z	-1.254	-1.254	0	%100
18	H018	Z	-1.254	-1.254	0	%100
19	H019	Z	-1.254	-1.254	0	%100
20	H020	Z	-1.254	-1.254	0	%100
21	H021	Z	-1.254	-1.254	0	%100
22	H022	Z	-1.254	-1.254	0	%100
23	H023	Z	-1.254	-1.254	0	%100
24	H024	Z	-1.254	-1.254	0	%100
25	TB025	Z	-1.254	-1.254	0	%100
26	TB026	Z	-1.254	-1.254	0	%100
27	TB027	Z	-1.254	-1.254	0	%100
28	H028	Z	-1.254	-1.254	0	%100
29	H029	Z	-1.254	-1.254	0	%100
30	H030	Z	-1.254	-1.254	0	%100
31	D055	Z	-1.254	-1.254	0	%100
32	D056	Z	-1.254	-1.254	0	%100
33	D057	Z	-1.254	-1.254	0	%100
34	D058	Z	-1.254	-1.254	0	%100
35	D059	Z	-1.254	-1.254	0	%100
36	D060	Z	-1.254	-1.254	0	%100
37	MP1	Z	-1.254	-1.254	0	%100
38	MP2	Z	-1.254	-1.254	0	%100
39	MP3	Z	-1.254	-1.254	0	%100
40	MP4	Z	-1.254	-1.254	0	%100
41	MP5	Z	-1.254	-1.254	0	%100
42	MP6	Z	-1.254	-1.254	0	%100
43	MP7	Z	-1.254	-1.254	0	%100
44	MP8	Z	-1.254	-1.254	0	%100
45	MP9	Z	-1.254	-1.254	0	%100
46	MP10	Z	-1.254	-1.254	0	%100
47	MP11	Z	-1.254	-1.254	0	%100
48	MP12	Z	-1.254	-1.254	0	%100

Member Distributed Loads (BLC 11 : Eh -X (Seismic))

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	H001	X	-1.254	-1.254	0	%100
2	H002	X	-1.254	-1.254	0	%100
3	H003	X	-1.254	-1.254	0	%100
4	H004	X	-1.254	-1.254	0	%100
5	H005	X	-1.254	-1.254	0	%100
6	H006	X	-1.254	-1.254	0	%100
7	H007	X	-1.254	-1.254	0	%100
8	H008	X	-1.254	-1.254	0	%100
9	H009	X	-1.254	-1.254	0	%100
10	H010	X	-1.254	-1.254	0	%100
11	H011	X	-1.254	-1.254	0	%100
12	H012	X	-1.254	-1.254	0	%100
13	H013	X	-1.254	-1.254	0	%100
14	H014	X	-1.254	-1.254	0	%100
15	H015	X	-1.254	-1.254	0	%100
16	H016	X	-1.254	-1.254	0	%100
17	H017	X	-1.254	-1.254	0	%100
18	H018	X	-1.254	-1.254	0	%100
19	H019	X	-1.254	-1.254	0	%100
20	H020	X	-1.254	-1.254	0	%100
21	H021	X	-1.254	-1.254	0	%100
22	H022	X	-1.254	-1.254	0	%100
23	H023	X	-1.254	-1.254	0	%100
24	H024	X	-1.254	-1.254	0	%100
25	TB025	X	-1.254	-1.254	0	%100
26	TB026	X	-1.254	-1.254	0	%100
27	TB027	X	-1.254	-1.254	0	%100
28	H028	X	-1.254	-1.254	0	%100
29	H029	X	-1.254	-1.254	0	%100
30	H030	X	-1.254	-1.254	0	%100
31	D055	X	-1.254	-1.254	0	%100
32	D056	X	-1.254	-1.254	0	%100
33	D057	X	-1.254	-1.254	0	%100
34	D058	X	-1.254	-1.254	0	%100
35	D059	X	-1.254	-1.254	0	%100
36	D060	X	-1.254	-1.254	0	%100
37	MP1	X	-1.254	-1.254	0	%100
38	MP2	X	-1.254	-1.254	0	%100
39	MP3	X	-1.254	-1.254	0	%100

Member Distributed Loads (BLC 11 : Eh -X (Seismic)) (Continued)

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
40	MP4	X	-1.254	-1.254	0	%100
41	MP5	X	-1.254	-1.254	0	%100
42	MP6	X	-1.254	-1.254	0	%100
43	MP7	X	-1.254	-1.254	0	%100
44	MP8	X	-1.254	-1.254	0	%100
45	MP9	X	-1.254	-1.254	0	%100
46	MP10	X	-1.254	-1.254	0	%100
47	MP11	X	-1.254	-1.254	0	%100
48	MP12	X	-1.254	-1.254	0	%100

Member Distributed Loads (BLC 24 : BLC 3 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	H002	Z	-10.631	-10.631	0	78
2	H003	Z	-10.631	-10.631	0	78
3	H004	Z	-12.276	-12.276	0	150
4	H005	Z	-6.138	-6.138	0	150
5	H006	Z	-6.138	-6.138	0	150
6	H007	Z	-21.044	-21.044	0	8.66
7	H008	Z	-10.522	-10.522	0	8.66
8	H009	Z	-10.522	-10.522	0	8.66
9	H010	Z	-10.522	-10.522	0	28.579
10	H011	Z	-5.261	-5.261	0	28.579
11	H012	Z	-5.261	-5.261	0	28.579
12	H013	Z	-10.522	-10.522	0	28.579
13	H014	Z	-5.261	-5.261	0	28.579
14	H015	Z	-5.261	-5.261	0	28.579
15	H016	Z	-7.015	-7.015	0	48.374
16	H017	Z	-3.534	-3.534	0	48.374
17	H018	Z	-3.48	-3.48	0	48.374
18	H019	Z	-3.534	-3.534	0	48.374
19	H020	Z	-7.015	-7.015	0	48.374
20	H021	Z	-3.48	-3.48	0	48.374
21	H022	Z	-8.33	-8.33	0	150
22	H023	Z	-4.165	-4.165	0	150
23	H024	Z	-4.165	-4.165	0	150
24	TB025	Z	-8.701	-8.701	0	48.374
25	TB026	Z	-9.769	-9.769	0	48.374
26	TB027	Z	-9.769	-9.769	0	48.374
27	H028	Z	-21.044	-21.044	0	8.66

Member Distributed Loads (BLC 24 : BLC 3 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
28	H029	Z	-10.522	-10.522	0	8.66
29	H030	Z	-10.522	-10.522	0	8.66
30	U039	Z	-3.037	-3.037	0	3
31	U040	Z	-3.037	-3.037	0	3
32	U041	Z	-3.037	-3.037	0	3
33	U042	Z	-3.037	-3.037	0	3
34	U043	Z	-3.037	-3.037	0	3
35	U044	Z	-3.037	-3.037	0	3
36	U045	Z	-3.037	-3.037	0	3
37	U046	Z	-3.037	-3.037	0	3
38	U047	Z	-3.037	-3.037	0	3
39	U048	Z	-3.037	-3.037	0	3
40	U049	Z	-3.037	-3.037	0	3
41	U050	Z	-3.037	-3.037	0	3
42	U051	Z	-3.037	-3.037	0	3
43	U052	Z	-3.037	-3.037	0	3
44	U053	Z	-3.037	-3.037	0	3
45	U054	Z	-3.037	-3.037	0	3
46	D055	Z	-8.349	-8.349	0	60.463
47	D056	Z	-13.342	-13.342	0	60.463
48	D057	Z	-9.267	-9.267	0	60.463
49	D058	Z	-8.668	-8.668	0	60.463
50	D059	Z	-13.223	-13.223	0	60.463
51	D060	Z	-8.949	-8.949	0	60.463
52	MP1	Z	-10.083	-10.083	0	96
53	MP2	Z	-10.083	-10.083	0	96
54	MP3	Z	-10.083	-10.083	0	96
55	MP4	Z	-10.083	-10.083	0	96
56	MP5	Z	-10.083	-10.083	0	96
57	MP6	Z	-10.083	-10.083	0	96
58	MP7	Z	-10.083	-10.083	0	96
59	MP8	Z	-10.083	-10.083	0	96
60	MP9	Z	-10.083	-10.083	0	96
61	MP10	Z	-10.083	-10.083	0	96
62	MP11	Z	-10.083	-10.083	0	96
63	MP12	Z	-10.083	-10.083	0	96

Member Distributed Loads (BLC 25 : BLC 4 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]

Member Distributed Loads (BLC 25 : BLC 4 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	H001	X	-12.276	-12.276	0	78
2	H002	X	-6.138	-6.138	0	78
3	H003	X	-6.138	-6.138	0	78
4	H005	X	-10.631	-10.631	0	150
5	H006	X	-10.631	-10.631	0	150
6	H008	X	-18.224	-18.224	0	8.66
7	H009	X	-18.224	-18.224	0	8.66
8	H011	X	-9.112	-9.112	0	28.579
9	H012	X	-9.112	-9.112	0	28.579
10	H014	X	-9.112	-9.112	0	28.579
11	H015	X	-9.112	-9.112	0	28.579
12	H016	X	-.031	-.031	0	48.374
13	H017	X	-6.059	-6.059	0	48.374
14	H018	X	-6.09	-6.09	0	48.374
15	H019	X	-6.059	-6.059	0	48.374
16	H020	X	-.031	-.031	0	48.374
17	H021	X	-6.09	-6.09	0	48.374
18	H023	X	-7.214	-7.214	0	150
19	H024	X	-7.214	-7.214	0	150
20	TB025	X	-8.768	-8.768	0	48.374
21	TB026	X	-8.152	-8.152	0	48.374
22	TB027	X	-8.152	-8.152	0	48.374
23	H029	X	-18.224	-18.224	0	8.66
24	H030	X	-18.224	-18.224	0	8.66
25	U031	X	-3.507	-3.507	0	3
26	U032	X	-3.507	-3.507	0	3
27	U033	X	-3.507	-3.507	0	3
28	U034	X	-3.507	-3.507	0	3
29	U035	X	-3.507	-3.507	0	3
30	U036	X	-3.507	-3.507	0	3
31	U037	X	-3.507	-3.507	0	3
32	U038	X	-3.507	-3.507	0	3
33	U039	X	-1.754	-1.754	0	3
34	U040	X	-1.754	-1.754	0	3
35	U041	X	-1.754	-1.754	0	3
36	U042	X	-1.754	-1.754	0	3
37	U043	X	-1.754	-1.754	0	3
38	U044	X	-1.754	-1.754	0	3
39	U045	X	-1.754	-1.754	0	3

Member Distributed Loads (BLC 25 : BLC 4 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
40	U046	X	-1.754	-1.754	0	3
41	U047	X	-1.754	-1.754	0	3
42	U048	X	-1.754	-1.754	0	3
43	U049	X	-1.754	-1.754	0	3
44	U050	X	-1.754	-1.754	0	3
45	U051	X	-1.754	-1.754	0	3
46	U052	X	-1.754	-1.754	0	3
47	U053	X	-1.754	-1.754	0	3
48	U054	X	-1.754	-1.754	0	3
49	D055	X	-10.77	-10.77	0	60.463
50	D056	X	-7.104	-7.104	0	60.463
51	D057	X	-12.34	-12.34	0	60.463
52	D058	X	-10.517	-10.517	0	60.463
53	D059	X	-7.357	-7.357	0	60.463
54	D060	X	-12.639	-12.639	0	60.463
55	MP1	X	-10.083	-10.083	0	96
56	MP2	X	-10.083	-10.083	0	96
57	MP3	X	-10.083	-10.083	0	96
58	MP4	X	-10.083	-10.083	0	96
59	MP5	X	-10.083	-10.083	0	96
60	MP6	X	-10.083	-10.083	0	96
61	MP7	X	-10.083	-10.083	0	96
62	MP8	X	-10.083	-10.083	0	96
63	MP9	X	-10.083	-10.083	0	96
64	MP10	X	-10.083	-10.083	0	96
65	MP11	X	-10.083	-10.083	0	96
66	MP12	X	-10.083	-10.083	0	96

Member Distributed Loads (BLC 26 : BLC 5 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	H002	Z	-1.846	-1.846	0	78
2	H003	Z	-1.846	-1.846	0	78
3	H004	Z	-2.131	-2.131	0	150
4	H005	Z	-1.066	-1.066	0	150
5	H006	Z	-1.066	-1.066	0	150
6	H007	Z	-3.654	-3.654	0	8.66
7	H008	Z	-1.827	-1.827	0	8.66
8	H009	Z	-1.827	-1.827	0	8.66
9	H010	Z	-1.827	-1.827	0	28.579

Member Distributed Loads (BLC 26 : BLC 5 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
10	H011	Z	-.913	-.913	0	28.579
11	H012	Z	-.913	-.913	0	28.579
12	H013	Z	-1.827	-1.827	0	28.579
13	H014	Z	-.913	-.913	0	28.579
14	H015	Z	-.913	-.913	0	28.579
15	H016	Z	-1.218	-1.218	0	48.374
16	H017	Z	-.614	-.614	0	48.374
17	H018	Z	-.604	-.604	0	48.374
18	H019	Z	-.614	-.614	0	48.374
19	H020	Z	-1.218	-1.218	0	48.374
20	H021	Z	-.604	-.604	0	48.374
21	H022	Z	-1.446	-1.446	0	150
22	H023	Z	-.723	-.723	0	150
23	H024	Z	-.723	-.723	0	150
24	TB025	Z	-1.511	-1.511	0	48.374
25	TB026	Z	-1.696	-1.696	0	48.374
26	TB027	Z	-1.696	-1.696	0	48.374
27	H028	Z	-3.654	-3.654	0	8.66
28	H029	Z	-1.827	-1.827	0	8.66
29	H030	Z	-1.827	-1.827	0	8.66
30	U039	Z	-.527	-.527	0	3
31	U040	Z	-.527	-.527	0	3
32	U041	Z	-.527	-.527	0	3
33	U042	Z	-.527	-.527	0	3
34	U043	Z	-.527	-.527	0	3
35	U044	Z	-.527	-.527	0	3
36	U045	Z	-.527	-.527	0	3
37	U046	Z	-.527	-.527	0	3
38	U047	Z	-.527	-.527	0	3
39	U048	Z	-.527	-.527	0	3
40	U049	Z	-.527	-.527	0	3
41	U050	Z	-.527	-.527	0	3
42	U051	Z	-.527	-.527	0	3
43	U052	Z	-.527	-.527	0	3
44	U053	Z	-.527	-.527	0	3
45	U054	Z	-.527	-.527	0	3
46	D055	Z	-1.45	-1.45	0	60.463
47	D056	Z	-2.317	-2.317	0	60.463
48	D057	Z	-1.609	-1.609	0	60.463

Member Distributed Loads (BLC 26 : BLC 5 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
49	D058	Z	-1.505	-1.505	0	60.463
50	D059	Z	-2.296	-2.296	0	60.463
51	D060	Z	-1.554	-1.554	0	60.463
52	MP1	Z	-1.751	-1.751	0	96
53	MP2	Z	-1.751	-1.751	0	96
54	MP3	Z	-1.751	-1.751	0	96
55	MP4	Z	-1.751	-1.751	0	96
56	MP5	Z	-1.751	-1.751	0	96
57	MP6	Z	-1.751	-1.751	0	96
58	MP7	Z	-1.751	-1.751	0	96
59	MP8	Z	-1.751	-1.751	0	96
60	MP9	Z	-1.751	-1.751	0	96
61	MP10	Z	-1.751	-1.751	0	96
62	MP11	Z	-1.751	-1.751	0	96
63	MP12	Z	-1.751	-1.751	0	96

Member Distributed Loads (BLC 27 : BLC 6 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	H001	X	-2.131	-2.131	0	78
2	H002	X	-1.066	-1.066	0	78
3	H003	X	-1.066	-1.066	0	78
4	H005	X	-1.846	-1.846	0	150
5	H006	X	-1.846	-1.846	0	150
6	H008	X	-3.164	-3.164	0	8.66
7	H009	X	-3.164	-3.164	0	8.66
8	H011	X	-1.582	-1.582	0	28.579
9	H012	X	-1.582	-1.582	0	28.579
10	H014	X	-1.582	-1.582	0	28.579
11	H015	X	-1.582	-1.582	0	28.579
12	H016	X	-.005	-.005	0	48.374
13	H017	X	-1.052	-1.052	0	48.374
14	H018	X	-1.057	-1.057	0	48.374
15	H019	X	-1.052	-1.052	0	48.374
16	H020	X	-.005	-.005	0	48.374
17	H021	X	-1.057	-1.057	0	48.374
18	H023	X	-1.252	-1.252	0	150
19	H024	X	-1.252	-1.252	0	150
20	TB025	X	-1.522	-1.522	0	48.374
21	TB026	X	-1.415	-1.415	0	48.374

Member Distributed Loads (BLC 27 : BLC 6 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
22	TB027	X	-1.415	-1.415	0	48.374
23	H029	X	-3.164	-3.164	0	8.66
24	H030	X	-3.164	-3.164	0	8.66
25	U031	X	-.609	-.609	0	3
26	U032	X	-.609	-.609	0	3
27	U033	X	-.609	-.609	0	3
28	U034	X	-.609	-.609	0	3
29	U035	X	-.609	-.609	0	3
30	U036	X	-.609	-.609	0	3
31	U037	X	-.609	-.609	0	3
32	U038	X	-.609	-.609	0	3
33	U039	X	-.304	-.304	0	3
34	U040	X	-.304	-.304	0	3
35	U041	X	-.304	-.304	0	3
36	U042	X	-.304	-.304	0	3
37	U043	X	-.304	-.304	0	3
38	U044	X	-.304	-.304	0	3
39	U045	X	-.304	-.304	0	3
40	U046	X	-.304	-.304	0	3
41	U047	X	-.304	-.304	0	3
42	U048	X	-.304	-.304	0	3
43	U049	X	-.304	-.304	0	3
44	U050	X	-.304	-.304	0	3
45	U051	X	-.304	-.304	0	3
46	U052	X	-.304	-.304	0	3
47	U053	X	-.304	-.304	0	3
48	U054	X	-.304	-.304	0	3
49	D055	X	-1.87	-1.87	0	60.463
50	D056	X	-1.233	-1.233	0	60.463
51	D057	X	-2.142	-2.142	0	60.463
52	D058	X	-1.826	-1.826	0	60.463
53	D059	X	-1.277	-1.277	0	60.463
54	D060	X	-2.194	-2.194	0	60.463
55	MP1	X	-1.751	-1.751	0	96
56	MP2	X	-1.751	-1.751	0	96
57	MP3	X	-1.751	-1.751	0	96
58	MP4	X	-1.751	-1.751	0	96
59	MP5	X	-1.751	-1.751	0	96
60	MP6	X	-1.751	-1.751	0	96

Member Distributed Loads (BLC 27 : BLC 6 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
61	MP7	X	-1.751	-1.751	0	96
62	MP8	X	-1.751	-1.751	0	96
63	MP9	X	-1.751	-1.751	0	96
64	MP10	X	-1.751	-1.751	0	96
65	MP11	X	-1.751	-1.751	0	96
66	MP12	X	-1.751	-1.751	0	96

Member Distributed Loads (BLC 28 : BLC 7 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	H002	Z	-.665	-.665	0	78
2	H003	Z	-.665	-.665	0	78
3	H004	Z	-.767	-.767	0	150
4	H005	Z	-.384	-.384	0	150
5	H006	Z	-.384	-.384	0	150
6	H007	Z	-1.315	-1.315	0	8.66
7	H008	Z	-.658	-.658	0	8.66
8	H009	Z	-.658	-.658	0	8.66
9	H010	Z	-.658	-.658	0	28.579
10	H011	Z	-.329	-.329	0	28.579
11	H012	Z	-.329	-.329	0	28.579
12	H013	Z	-.658	-.658	0	28.579
13	H014	Z	-.329	-.329	0	28.579
14	H015	Z	-.329	-.329	0	28.579
15	H016	Z	-.438	-.438	0	48.374
16	H017	Z	-.221	-.221	0	48.374
17	H018	Z	-.218	-.218	0	48.374
18	H019	Z	-.221	-.221	0	48.374
19	H020	Z	-.438	-.438	0	48.374
20	H021	Z	-.218	-.218	0	48.374
21	H022	Z	-.521	-.521	0	150
22	H023	Z	-.26	-.26	0	150
23	H024	Z	-.26	-.26	0	150
24	TB025	Z	-.544	-.544	0	48.374
25	TB026	Z	-.611	-.611	0	48.374
26	TB027	Z	-.611	-.611	0	48.374
27	H028	Z	-1.315	-1.315	0	8.66
28	H029	Z	-.658	-.658	0	8.66
29	H030	Z	-.658	-.658	0	8.66
30	U039	Z	-.19	-.19	0	3

Member Distributed Loads (BLC 28 : BLC 7 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
31	U040	Z	-.19	-.19	0	3
32	U041	Z	-.19	-.19	0	3
33	U042	Z	-.19	-.19	0	3
34	U043	Z	-.19	-.19	0	3
35	U044	Z	-.19	-.19	0	3
36	U045	Z	-.19	-.19	0	3
37	U046	Z	-.19	-.19	0	3
38	U047	Z	-.19	-.19	0	3
39	U048	Z	-.19	-.19	0	3
40	U049	Z	-.19	-.19	0	3
41	U050	Z	-.19	-.19	0	3
42	U051	Z	-.19	-.19	0	3
43	U052	Z	-.19	-.19	0	3
44	U053	Z	-.19	-.19	0	3
45	U054	Z	-.19	-.19	0	3
46	D055	Z	-.522	-.522	0	60.463
47	D056	Z	-.834	-.834	0	60.463
48	D057	Z	-.579	-.579	0	60.463
49	D058	Z	-.542	-.542	0	60.463
50	D059	Z	-.827	-.827	0	60.463
51	D060	Z	-.559	-.559	0	60.463
52	MP1	Z	-.63	-.63	0	96
53	MP2	Z	-.63	-.63	0	96
54	MP3	Z	-.63	-.63	0	96
55	MP4	Z	-.63	-.63	0	96
56	MP5	Z	-.63	-.63	0	96
57	MP6	Z	-.63	-.63	0	96
58	MP7	Z	-.63	-.63	0	96
59	MP8	Z	-.63	-.63	0	96
60	MP9	Z	-.63	-.63	0	96
61	MP10	Z	-.63	-.63	0	96
62	MP11	Z	-.63	-.63	0	96
63	MP12	Z	-.63	-.63	0	96

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	H001	X	-.767	-.767	0	78
2	H002	X	-.384	-.384	0	78
3	H003	X	-.384	-.384	0	78

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
4	H005	X	-.665	-.665	0	150
5	H006	X	-.665	-.665	0	150
6	H008	X	-1.139	-1.139	0	8.66
7	H009	X	-1.139	-1.139	0	8.66
8	H011	X	-.57	-.57	0	28.579
9	H012	X	-.57	-.57	0	28.579
10	H014	X	-.57	-.57	0	28.579
11	H015	X	-.57	-.57	0	28.579
12	H016	X	-.002	-.002	0	48.374
13	H017	X	-.379	-.379	0	48.374
14	H018	X	-.381	-.381	0	48.374
15	H019	X	-.379	-.379	0	48.374
16	H020	X	-.002	-.002	0	48.374
17	H021	X	-.381	-.381	0	48.374
18	H023	X	-.451	-.451	0	150
19	H024	X	-.451	-.451	0	150
20	TB025	X	-.548	-.548	0	48.374
21	TB026	X	-.51	-.51	0	48.374
22	TB027	X	-.51	-.51	0	48.374
23	H029	X	-1.139	-1.139	0	8.66
24	H030	X	-1.139	-1.139	0	8.66
25	U031	X	-.219	-.219	0	3
26	U032	X	-.219	-.219	0	3
27	U033	X	-.219	-.219	0	3
28	U034	X	-.219	-.219	0	3
29	U035	X	-.219	-.219	0	3
30	U036	X	-.219	-.219	0	3
31	U037	X	-.219	-.219	0	3
32	U038	X	-.219	-.219	0	3
33	U039	X	-.11	-.11	0	3
34	U040	X	-.11	-.11	0	3
35	U041	X	-.11	-.11	0	3
36	U042	X	-.11	-.11	0	3
37	U043	X	-.11	-.11	0	3
38	U044	X	-.11	-.11	0	3
39	U045	X	-.11	-.11	0	3
40	U046	X	-.11	-.11	0	3
41	U047	X	-.11	-.11	0	3
42	U048	X	-.11	-.11	0	3

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

	Member Label	Direction	Start Magnitude[lb/f...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
43	U049	X	-.11	-.11	0	3
44	U050	X	-.11	-.11	0	3
45	U051	X	-.11	-.11	0	3
46	U052	X	-.11	-.11	0	3
47	U053	X	-.11	-.11	0	3
48	U054	X	-.11	-.11	0	3
49	D055	X	-.673	-.673	0	60.463
50	D056	X	-.444	-.444	0	60.463
51	D057	X	-.771	-.771	0	60.463
52	D058	X	-.657	-.657	0	60.463
53	D059	X	-.46	-.46	0	60.463
54	D060	X	-.79	-.79	0	60.463
55	MP1	X	-.63	-.63	0	96
56	MP2	X	-.63	-.63	0	96
57	MP3	X	-.63	-.63	0	96
58	MP4	X	-.63	-.63	0	96
59	MP5	X	-.63	-.63	0	96
60	MP6	X	-.63	-.63	0	96
61	MP7	X	-.63	-.63	0	96
62	MP8	X	-.63	-.63	0	96
63	MP9	X	-.63	-.63	0	96
64	MP10	X	-.63	-.63	0	96
65	MP11	X	-.63	-.63	0	96
66	MP12	X	-.63	-.63	0	96

Member Area Loads (BLC 3 : Wind -Z)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[psf]
1	NAL1	NAL2	NAL4	NAL3	PZ	Open Structure	-42.088

Member Area Loads (BLC 4 : Wind -X)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[psf]
1	NAL3	NAL4	NAL6	NAL5	PX	Open Structure	-42.088

Member Area Loads (BLC 5 : Wind -Z (Ice))

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[psf]
1	NAL1	NAL2	NAL4	NAL3	PZ	Open Structure	-7.307

Member Area Loads (BLC 6 : Wind -X (Ice))

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[psf]
1	NAL3	NAL4	NAL6	NAL5	PX	Open Structure	-7.307

Member Area Loads (BLC 7 : Wind -Z (Working))

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[psf]
1	NAL1	NAL2	NAL4	NAL3	PZ	Open Structure	-2.631

Member Area Loads (BLC 8 : Wind -X (Working))

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[psf]
1	NAL3	NAL4	NAL6	NAL5	PX	Open Structure	-2.631

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(Pl...
1	Dead	DL		-1			54			
2	Ice	IL					54	48		3
3	Wind -Z	WLZ					54		1	
4	Wind -X	WLX					54		1	
5	Wind -Z (Ice)	WL-Z					54	48	1	
6	Wind -X (Ice)	WL-X					54	48	1	
7	Wind -Z (Working)	WLZP1					54		1	
8	Wind -X (Working)	WLXP1					54		1	
9	Ev -Y (Seismic)	ELY						48		
10	Eh -Z (Seismic)	ELZ						48		
11	Eh -X (Seismic)	ELX						48		
12	Lm (1)	LL				1				
13	Lm (2)	LL				1				
14	Lm (3)	LL				1				
15	Lm (4)	LL				1				
16	Lm (5)	LL				1				
17	Lm (6)	LL				1				
18	Lm (7)	LL				1				
19	Lm (8)	LL				1				
20	Lm (9)	LL				1				
21	Lm (10)	LL				1				
22	Lm (11)	LL				1				
23	Lm (12)	LL				1				
24	BLC 3 Transient Area ...	None						63		
25	BLC 4 Transient Area ...	None						66		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(Pl...
26	BLC 5 Transient Area ...	None						63		
27	BLC 6 Transient Area ...	None						66		
28	BLC 7 Transient Area ...	None						63		
29	BLC 8 Transient Area ...	None						66		

Load Combinations

	Description	So...	PD...	SR...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
1	1.4D	Yes	Y		DL	1.4																		
2	1.2D + 1.0Wo [0°]	Yes	Y		DL	1.2	W...	.001	WLZ	1														
3	1.2D + 1.0Wo [30°]	Yes	Y		DL	1.2	W...	.5	WLZ	.866														
4	1.2D + 1.0Wo [60°]	Yes	Y		DL	1.2	W...	.866	WLZ	.5														
5	1.2D + 1.0Wo [90°]	Yes	Y		DL	1.2	W...	1	WLZ	.001														
6	1.2D + 1.0Wo [120°]	Yes	Y		DL	1.2	W...	.866	WLZ	-.5														
7	1.2D + 1.0Wo [150°]	Yes	Y		DL	1.2	W...	.5	WLZ	-.866														
8	1.2D + 1.0Wo [180°]	Yes	Y		DL	1.2	W...	.001	WLZ	-1														
9	1.2D + 1.0Wo [210°]	Yes	Y		DL	1.2	W...	-.5	WLZ	-.866														
10	1.2D + 1.0Wo [240°]	Yes	Y		DL	1.2	W...	-.866	WLZ	-.5														
11	1.2D + 1.0Wo [270°]	Yes	Y		DL	1.2	W...	-1	WLZ	.001														
12	1.2D + 1.0Wo [300°]	Yes	Y		DL	1.2	W...	-.866	WLZ	.5														
13	1.2D + 1.0Wo [330°]	Yes	Y		DL	1.2	W...	-.5	WLZ	.866														
14	0.9D + 1.0Wo [0°]	Yes	Y		DL	.9	W...	.001	WLZ	1														
15	0.9D + 1.0Wo [30°]	Yes	Y		DL	.9	W...	.5	WLZ	.866														
16	0.9D + 1.0Wo [60°]	Yes	Y		DL	.9	W...	.866	WLZ	.5														
17	0.9D + 1.0Wo [90°]	Yes	Y		DL	.9	W...	1	WLZ	.001														
18	0.9D + 1.0Wo [120°]	Yes	Y		DL	.9	W...	.866	WLZ	-.5														
19	0.9D + 1.0Wo [150°]	Yes	Y		DL	.9	W...	.5	WLZ	-.866														
20	0.9D + 1.0Wo [180°]	Yes	Y		DL	.9	W...	.001	WLZ	-1														
21	0.9D + 1.0Wo [210°]	Yes	Y		DL	.9	W...	-.5	WLZ	-.866														
22	0.9D + 1.0Wo [240°]	Yes	Y		DL	.9	W...	-.866	WLZ	-.5														
23	0.9D + 1.0Wo [270°]	Yes	Y		DL	.9	W...	-1	WLZ	.001														
24	0.9D + 1.0Wo [300°]	Yes	Y		DL	.9	W...	-.866	WLZ	.5														
25	0.9D + 1.0Wo [330°]	Yes	Y		DL	.9	W...	-.5	WLZ	.866														
26	1.2D + 1.0Di + 1.0Wi ...	Yes	Y		DL	1.2	IL	1	W...	.001	W...	1												
27	1.2D + 1.0Di + 1.0Wi ...	Yes	Y		DL	1.2	IL	1	W...	.5	W...	.866												
28	1.2D + 1.0Di + 1.0Wi ...	Yes	Y		DL	1.2	IL	1	W...	.866	W...	.5												
29	1.2D + 1.0Di + 1.0Wi ...	Yes	Y		DL	1.2	IL	1	W...	1	W...	.001												
30	1.2D + 1.0Di + 1.0Wi ...	Yes	Y		DL	1.2	IL	1	W...	.866	W...	-.5												
31	1.2D + 1.0Di + 1.0Wi ...	Yes	Y		DL	1.2	IL	1	W...	.5	W...	-.866												

Load Combinations (Continued)

	Description	So...	PD...	SR...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
32	1.2D + 1.0Di + 1.0Wi ...	Yes	Y		DL	1.2	IL	1	W...	.001	W...	-1												
33	1.2D + 1.0Di + 1.0Wi ...	Yes	Y		DL	1.2	IL	1	W...	-.5	W...	-.866												
34	1.2D + 1.0Di + 1.0Wi ...	Yes	Y		DL	1.2	IL	1	W...	-.866	W...	-.5												
35	1.2D + 1.0Di + 1.0Wi ...	Yes	Y		DL	1.2	IL	1	W...	-1	W...	.001												
36	1.2D + 1.0Di + 1.0Wi ...	Yes	Y		DL	1.2	IL	1	W...	-.866	W...	.5												
37	1.2D + 1.0Di + 1.0Wi ...	Yes	Y		DL	1.2	IL	1	W...	-.5	W...	.866												
38	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		DL	1.2	ELY	1	ELZ	1	ELX	.001												
39	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		DL	1.2	ELY	1	ELZ	.866	ELX	.5												
40	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		DL	1.2	ELY	1	ELZ	.5	ELX	.866												
41	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		DL	1.2	ELY	1	ELZ	.001	ELX	1												
42	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		DL	1.2	ELY	1	ELZ	-.5	ELX	.866												
43	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		DL	1.2	ELY	1	ELZ	-.866	ELX	.5												
44	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		DL	1.2	ELY	1	ELZ	-1	ELX	.001												
45	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		DL	1.2	ELY	1	ELZ	-.866	ELX	-.5												
46	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		DL	1.2	ELY	1	ELZ	-.5	ELX	-.866												
47	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		DL	1.2	ELY	1	ELZ	.001	ELX	-1												
48	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		DL	1.2	ELY	1	ELZ	.5	ELX	-.866												
49	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		DL	1.2	ELY	1	ELZ	.866	ELX	-.5												
50	0.9D + 1.0Ev + 1.0Eh ...	Yes	Y		DL	.9	ELY	1	ELZ	1	ELX	.001												
51	0.9D + 1.0Ev + 1.0Eh ...	Yes	Y		DL	.9	ELY	1	ELZ	.866	ELX	.5												
52	0.9D + 1.0Ev + 1.0Eh ...	Yes	Y		DL	.9	ELY	1	ELZ	.5	ELX	.866												
53	0.9D + 1.0Ev + 1.0Eh ...	Yes	Y		DL	.9	ELY	1	ELZ	.001	ELX	1												
54	0.9D + 1.0Ev + 1.0Eh ...	Yes	Y		DL	.9	ELY	1	ELZ	-.5	ELX	.866												
55	0.9D + 1.0Ev + 1.0Eh ...	Yes	Y		DL	.9	ELY	1	ELZ	-.866	ELX	.5												
56	0.9D + 1.0Ev + 1.0Eh ...	Yes	Y		DL	.9	ELY	1	ELZ	-1	ELX	.001												
57	0.9D + 1.0Ev + 1.0Eh ...	Yes	Y		DL	.9	ELY	1	ELZ	-.866	ELX	-.5												
58	0.9D + 1.0Ev + 1.0Eh ...	Yes	Y		DL	.9	ELY	1	ELZ	-.5	ELX	-.866												
59	0.9D + 1.0Ev + 1.0Eh ...	Yes	Y		DL	.9	ELY	1	ELZ	.001	ELX	-1												
60	0.9D + 1.0Ev + 1.0Eh ...	Yes	Y		DL	.9	ELY	1	ELZ	.5	ELX	-.866												
61	0.9D + 1.0Ev + 1.0Eh ...	Yes	Y		DL	.9	ELY	1	ELZ	.866	ELX	-.5												
62	1.2D + 1.5Lm(1) + 1....	Yes	Y		DL	1.2	12	1.5	W...	.001	W...	1												
63	1.2D + 1.5Lm(1) + 1....	Yes	Y		DL	1.2	12	1.5	W...	.5	W...	.866												
64	1.2D + 1.5Lm(1) + 1....	Yes	Y		DL	1.2	12	1.5	W...	.866	W...	.5												
65	1.2D + 1.5Lm(1) + 1....	Yes	Y		DL	1.2	12	1.5	W...	1	W...	.001												
66	1.2D + 1.5Lm(1) + 1....	Yes	Y		DL	1.2	12	1.5	W...	.866	W...	-.5												
67	1.2D + 1.5Lm(1) + 1....	Yes	Y		DL	1.2	12	1.5	W...	.5	W...	-.866												
68	1.2D + 1.5Lm(1) + 1....	Yes	Y		DL	1.2	12	1.5	W...	.001	W...	-1												
69	1.2D + 1.5Lm(1) + 1....	Yes	Y		DL	1.2	12	1.5	W...	-.5	W...	-.866												
70	1.2D + 1.5Lm(1) + 1....	Yes	Y		DL	1.2	12	1.5	W...	-.866	W...	-.5												

Load Combinations (Continued)

	Description	So...	PD..	SR...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
71	1.2D + 1.5Lm(1) + 1....	Yes	Y		DL	1.2	12	1.5	W...	-1	W...	.001												
72	1.2D + 1.5Lm(1) + 1....	Yes	Y		DL	1.2	12	1.5	W...	-.866	W...	.5												
73	1.2D + 1.5Lm(1) + 1....	Yes	Y		DL	1.2	12	1.5	W...	-.5	W...	.866												
74	1.2D + 1.5Lm(2) + 1....	Yes	Y		DL	1.2	13	1.5	W...	.001	W...	1												
75	1.2D + 1.5Lm(2) + 1....	Yes	Y		DL	1.2	13	1.5	W...	.5	W...	.866												
76	1.2D + 1.5Lm(2) + 1....	Yes	Y		DL	1.2	13	1.5	W...	.866	W...	.5												
77	1.2D + 1.5Lm(2) + 1....	Yes	Y		DL	1.2	13	1.5	W...	1	W...	.001												
78	1.2D + 1.5Lm(2) + 1....	Yes	Y		DL	1.2	13	1.5	W...	.866	W...	-.5												
79	1.2D + 1.5Lm(2) + 1....	Yes	Y		DL	1.2	13	1.5	W...	.5	W...	-.866												
80	1.2D + 1.5Lm(2) + 1....	Yes	Y		DL	1.2	13	1.5	W...	.001	W...	-1												
81	1.2D + 1.5Lm(2) + 1....	Yes	Y		DL	1.2	13	1.5	W...	-.5	W...	-.866												
82	1.2D + 1.5Lm(2) + 1....	Yes	Y		DL	1.2	13	1.5	W...	-.866	W...	-.5												
83	1.2D + 1.5Lm(2) + 1....	Yes	Y		DL	1.2	13	1.5	W...	-1	W...	.001												
84	1.2D + 1.5Lm(2) + 1....	Yes	Y		DL	1.2	13	1.5	W...	-.866	W...	.5												
85	1.2D + 1.5Lm(2) + 1....	Yes	Y		DL	1.2	13	1.5	W...	-.5	W...	.866												
86	1.2D + 1.5Lm(3) + 1....	Yes	Y		DL	1.2	14	1.5	W...	.001	W...	1												
87	1.2D + 1.5Lm(3) + 1....	Yes	Y		DL	1.2	14	1.5	W...	.5	W...	.866												
88	1.2D + 1.5Lm(3) + 1....	Yes	Y		DL	1.2	14	1.5	W...	.866	W...	.5												
89	1.2D + 1.5Lm(3) + 1....	Yes	Y		DL	1.2	14	1.5	W...	1	W...	.001												
90	1.2D + 1.5Lm(3) + 1....	Yes	Y		DL	1.2	14	1.5	W...	.866	W...	-.5												
91	1.2D + 1.5Lm(3) + 1....	Yes	Y		DL	1.2	14	1.5	W...	.5	W...	-.866												
92	1.2D + 1.5Lm(3) + 1....	Yes	Y		DL	1.2	14	1.5	W...	.001	W...	-1												
93	1.2D + 1.5Lm(3) + 1....	Yes	Y		DL	1.2	14	1.5	W...	-.5	W...	-.866												
94	1.2D + 1.5Lm(3) + 1....	Yes	Y		DL	1.2	14	1.5	W...	-.866	W...	-.5												
95	1.2D + 1.5Lm(3) + 1....	Yes	Y		DL	1.2	14	1.5	W...	-1	W...	.001												
96	1.2D + 1.5Lm(3) + 1....	Yes	Y		DL	1.2	14	1.5	W...	-.866	W...	.5												
97	1.2D + 1.5Lm(3) + 1....	Yes	Y		DL	1.2	14	1.5	W...	-.5	W...	.866												
98	1.2D + 1.5Lm(4) + 1....	Yes	Y		DL	1.2	15	1.5	W...	.001	W...	1												
99	1.2D + 1.5Lm(4) + 1....	Yes	Y		DL	1.2	15	1.5	W...	.5	W...	.866												
100	1.2D + 1.5Lm(4) + 1....	Yes	Y		DL	1.2	15	1.5	W...	.866	W...	.5												
101	1.2D + 1.5Lm(4) + 1....	Yes	Y		DL	1.2	15	1.5	W...	1	W...	.001												
102	1.2D + 1.5Lm(4) + 1....	Yes	Y		DL	1.2	15	1.5	W...	.866	W...	-.5												
103	1.2D + 1.5Lm(4) + 1....	Yes	Y		DL	1.2	15	1.5	W...	.5	W...	-.866												
104	1.2D + 1.5Lm(4) + 1....	Yes	Y		DL	1.2	15	1.5	W...	.001	W...	-1												
105	1.2D + 1.5Lm(4) + 1....	Yes	Y		DL	1.2	15	1.5	W...	-.5	W...	-.866												
106	1.2D + 1.5Lm(4) + 1....	Yes	Y		DL	1.2	15	1.5	W...	-.866	W...	-.5												
107	1.2D + 1.5Lm(4) + 1....	Yes	Y		DL	1.2	15	1.5	W...	-1	W...	.001												
108	1.2D + 1.5Lm(4) + 1....	Yes	Y		DL	1.2	15	1.5	W...	-.866	W...	.5												
109	1.2D + 1.5Lm(4) + 1....	Yes	Y		DL	1.2	15	1.5	W...	-.5	W...	.866												

Load Combinations (Continued)

	Description	So...	PD...	SR...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
110	1.2D + 1.5Lm(5) + 1....	Yes	Y		DL	1.2	16	1.5	W...	.001	W...	1														
111	1.2D + 1.5Lm(5) + 1....	Yes	Y		DL	1.2	16	1.5	W...	.5	W...	.866														
112	1.2D + 1.5Lm(5) + 1....	Yes	Y		DL	1.2	16	1.5	W...	.866	W...	.5														
113	1.2D + 1.5Lm(5) + 1....	Yes	Y		DL	1.2	16	1.5	W...	1	W...	.001														
114	1.2D + 1.5Lm(5) + 1....	Yes	Y		DL	1.2	16	1.5	W...	.866	W...	-.5														
115	1.2D + 1.5Lm(5) + 1....	Yes	Y		DL	1.2	16	1.5	W...	.5	W...	-.866														
116	1.2D + 1.5Lm(5) + 1....	Yes	Y		DL	1.2	16	1.5	W...	.001	W...	-1														
117	1.2D + 1.5Lm(5) + 1....	Yes	Y		DL	1.2	16	1.5	W...	-.5	W...	-.866														
118	1.2D + 1.5Lm(5) + 1....	Yes	Y		DL	1.2	16	1.5	W...	-.866	W...	-.5														
119	1.2D + 1.5Lm(5) + 1....	Yes	Y		DL	1.2	16	1.5	W...	-1	W...	.001														
120	1.2D + 1.5Lm(5) + 1....	Yes	Y		DL	1.2	16	1.5	W...	-.866	W...	.5														
121	1.2D + 1.5Lm(5) + 1....	Yes	Y		DL	1.2	16	1.5	W...	-.5	W...	.866														
122	1.2D + 1.5Lm(6) + 1....	Yes	Y		DL	1.2	17	1.5	W...	.001	W...	1														
123	1.2D + 1.5Lm(6) + 1....	Yes	Y		DL	1.2	17	1.5	W...	.5	W...	.866														
124	1.2D + 1.5Lm(6) + 1....	Yes	Y		DL	1.2	17	1.5	W...	.866	W...	.5														
125	1.2D + 1.5Lm(6) + 1....	Yes	Y		DL	1.2	17	1.5	W...	1	W...	.001														
126	1.2D + 1.5Lm(6) + 1....	Yes	Y		DL	1.2	17	1.5	W...	.866	W...	-.5														
127	1.2D + 1.5Lm(6) + 1....	Yes	Y		DL	1.2	17	1.5	W...	.5	W...	-.866														
128	1.2D + 1.5Lm(6) + 1....	Yes	Y		DL	1.2	17	1.5	W...	.001	W...	-1														
129	1.2D + 1.5Lm(6) + 1....	Yes	Y		DL	1.2	17	1.5	W...	-.5	W...	-.866														
130	1.2D + 1.5Lm(6) + 1....	Yes	Y		DL	1.2	17	1.5	W...	-.866	W...	-.5														
131	1.2D + 1.5Lm(6) + 1....	Yes	Y		DL	1.2	17	1.5	W...	-1	W...	.001														
132	1.2D + 1.5Lm(6) + 1....	Yes	Y		DL	1.2	17	1.5	W...	-.866	W...	.5														
133	1.2D + 1.5Lm(6) + 1....	Yes	Y		DL	1.2	17	1.5	W...	-.5	W...	.866														
134	1.2D + 1.5Lm(7) + 1....	Yes	Y		DL	1.2	18	1.5	W...	.001	W...	1														
135	1.2D + 1.5Lm(7) + 1....	Yes	Y		DL	1.2	18	1.5	W...	.5	W...	.866														
136	1.2D + 1.5Lm(7) + 1....	Yes	Y		DL	1.2	18	1.5	W...	.866	W...	.5														
137	1.2D + 1.5Lm(7) + 1....	Yes	Y		DL	1.2	18	1.5	W...	1	W...	.001														
138	1.2D + 1.5Lm(7) + 1....	Yes	Y		DL	1.2	18	1.5	W...	.866	W...	-.5														
139	1.2D + 1.5Lm(7) + 1....	Yes	Y		DL	1.2	18	1.5	W...	.5	W...	-.866														
140	1.2D + 1.5Lm(7) + 1....	Yes	Y		DL	1.2	18	1.5	W...	.001	W...	-1														
141	1.2D + 1.5Lm(7) + 1....	Yes	Y		DL	1.2	18	1.5	W...	-.5	W...	-.866														
142	1.2D + 1.5Lm(7) + 1....	Yes	Y		DL	1.2	18	1.5	W...	-.866	W...	-.5														
143	1.2D + 1.5Lm(7) + 1....	Yes	Y		DL	1.2	18	1.5	W...	-1	W...	.001														
144	1.2D + 1.5Lm(7) + 1....	Yes	Y		DL	1.2	18	1.5	W...	-.866	W...	.5														
145	1.2D + 1.5Lm(7) + 1....	Yes	Y		DL	1.2	18	1.5	W...	-.5	W...	.866														
146	1.2D + 1.5Lm(8) + 1....	Yes	Y		DL	1.2	19	1.5	W...	.001	W...	1														
147	1.2D + 1.5Lm(8) + 1....	Yes	Y		DL	1.2	19	1.5	W...	.5	W...	.866														
148	1.2D + 1.5Lm(8) + 1....	Yes	Y		DL	1.2	19	1.5	W...	.866	W...	.5														

Load Combinations (Continued)

	Description	So...	PD..	SR...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
149	1.2D + 1.5Lm(8) + 1....	Yes	Y		DL	1.2	19	1.5	W...	1	W...	.001												
150	1.2D + 1.5Lm(8) + 1....	Yes	Y		DL	1.2	19	1.5	W...	.866	W...	-.5												
151	1.2D + 1.5Lm(8) + 1....	Yes	Y		DL	1.2	19	1.5	W...	.5	W...	-.866												
152	1.2D + 1.5Lm(8) + 1....	Yes	Y		DL	1.2	19	1.5	W...	.001	W...	-1												
153	1.2D + 1.5Lm(8) + 1....	Yes	Y		DL	1.2	19	1.5	W...	-.5	W...	-.866												
154	1.2D + 1.5Lm(8) + 1....	Yes	Y		DL	1.2	19	1.5	W...	-.866	W...	-.5												
155	1.2D + 1.5Lm(8) + 1....	Yes	Y		DL	1.2	19	1.5	W...	-1	W...	.001												
156	1.2D + 1.5Lm(8) + 1....	Yes	Y		DL	1.2	19	1.5	W...	-.866	W...	.5												
157	1.2D + 1.5Lm(8) + 1....	Yes	Y		DL	1.2	19	1.5	W...	-.5	W...	.866												
158	1.2D + 1.5Lm(9) + 1....	Yes	Y		DL	1.2	20	1.5	W...	.001	W...	1												
159	1.2D + 1.5Lm(9) + 1....	Yes	Y		DL	1.2	20	1.5	W...	.5	W...	.866												
160	1.2D + 1.5Lm(9) + 1....	Yes	Y		DL	1.2	20	1.5	W...	.866	W...	.5												
161	1.2D + 1.5Lm(9) + 1....	Yes	Y		DL	1.2	20	1.5	W...	1	W...	.001												
162	1.2D + 1.5Lm(9) + 1....	Yes	Y		DL	1.2	20	1.5	W...	.866	W...	-.5												
163	1.2D + 1.5Lm(9) + 1....	Yes	Y		DL	1.2	20	1.5	W...	.5	W...	-.866												
164	1.2D + 1.5Lm(9) + 1....	Yes	Y		DL	1.2	20	1.5	W...	.001	W...	-1												
165	1.2D + 1.5Lm(9) + 1....	Yes	Y		DL	1.2	20	1.5	W...	-.5	W...	-.866												
166	1.2D + 1.5Lm(9) + 1....	Yes	Y		DL	1.2	20	1.5	W...	-.866	W...	-.5												
167	1.2D + 1.5Lm(9) + 1....	Yes	Y		DL	1.2	20	1.5	W...	-1	W...	.001												
168	1.2D + 1.5Lm(9) + 1....	Yes	Y		DL	1.2	20	1.5	W...	-.866	W...	.5												
169	1.2D + 1.5Lm(9) + 1....	Yes	Y		DL	1.2	20	1.5	W...	-.5	W...	.866												
170	1.2D + 1.5Lm(10) + 1...	Yes	Y		DL	1.2	21	1.5	W...	.001	W...	1												
171	1.2D + 1.5Lm(10) + 1...	Yes	Y		DL	1.2	21	1.5	W...	.5	W...	.866												
172	1.2D + 1.5Lm(10) + 1...	Yes	Y		DL	1.2	21	1.5	W...	.866	W...	.5												
173	1.2D + 1.5Lm(10) + 1...	Yes	Y		DL	1.2	21	1.5	W...	1	W...	.001												
174	1.2D + 1.5Lm(10) + 1...	Yes	Y		DL	1.2	21	1.5	W...	.866	W...	-.5												
175	1.2D + 1.5Lm(10) + 1...	Yes	Y		DL	1.2	21	1.5	W...	.5	W...	-.866												
176	1.2D + 1.5Lm(10) + 1...	Yes	Y		DL	1.2	21	1.5	W...	.001	W...	-1												
177	1.2D + 1.5Lm(10) + 1...	Yes	Y		DL	1.2	21	1.5	W...	-.5	W...	-.866												
178	1.2D + 1.5Lm(10) + 1...	Yes	Y		DL	1.2	21	1.5	W...	-.866	W...	-.5												
179	1.2D + 1.5Lm(10) + 1...	Yes	Y		DL	1.2	21	1.5	W...	-1	W...	.001												
180	1.2D + 1.5Lm(10) + 1...	Yes	Y		DL	1.2	21	1.5	W...	-.866	W...	.5												
181	1.2D + 1.5Lm(10) + 1...	Yes	Y		DL	1.2	21	1.5	W...	-.5	W...	.866												
182	1.2D + 1.5Lm(11) + 1...	Yes	Y		DL	1.2	22	1.5	W...	.001	W...	1												
183	1.2D + 1.5Lm(11) + 1...	Yes	Y		DL	1.2	22	1.5	W...	.5	W...	.866												
184	1.2D + 1.5Lm(11) + 1...	Yes	Y		DL	1.2	22	1.5	W...	.866	W...	.5												
185	1.2D + 1.5Lm(11) + 1...	Yes	Y		DL	1.2	22	1.5	W...	1	W...	.001												
186	1.2D + 1.5Lm(11) + 1...	Yes	Y		DL	1.2	22	1.5	W...	.866	W...	-.5												
187	1.2D + 1.5Lm(11) + 1...	Yes	Y		DL	1.2	22	1.5	W...	.5	W...	-.866												

Load Combinations (Continued)

	Description	So...	PD...	SR...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
188	1.2D + 1.5Lm(11) + 1...	Yes	Y		DL	1.2	22	1.5	W...	.001	W...	-1														
189	1.2D + 1.5Lm(11) + 1...	Yes	Y		DL	1.2	22	1.5	W...	-.5	W...	-.866														
190	1.2D + 1.5Lm(11) + 1...	Yes	Y		DL	1.2	22	1.5	W...	-.866	W...	-.5														
191	1.2D + 1.5Lm(11) + 1...	Yes	Y		DL	1.2	22	1.5	W...	-1	W...	.001														
192	1.2D + 1.5Lm(11) + 1...	Yes	Y		DL	1.2	22	1.5	W...	-.866	W...	.5														
193	1.2D + 1.5Lm(11) + 1...	Yes	Y		DL	1.2	22	1.5	W...	-.5	W...	.866														
194	1.2D + 1.5Lm(12) + 1...	Yes	Y		DL	1.2	23	1.5	W...	.001	W...	1														
195	1.2D + 1.5Lm(12) + 1...	Yes	Y		DL	1.2	23	1.5	W...	.5	W...	.866														
196	1.2D + 1.5Lm(12) + 1...	Yes	Y		DL	1.2	23	1.5	W...	.866	W...	.5														
197	1.2D + 1.5Lm(12) + 1...	Yes	Y		DL	1.2	23	1.5	W...	1	W...	.001														
198	1.2D + 1.5Lm(12) + 1...	Yes	Y		DL	1.2	23	1.5	W...	.866	W...	-.5														
199	1.2D + 1.5Lm(12) + 1...	Yes	Y		DL	1.2	23	1.5	W...	.5	W...	-.866														
200	1.2D + 1.5Lm(12) + 1...	Yes	Y		DL	1.2	23	1.5	W...	.001	W...	-1														
201	1.2D + 1.5Lm(12) + 1...	Yes	Y		DL	1.2	23	1.5	W...	-.5	W...	-.866														
202	1.2D + 1.5Lm(12) + 1...	Yes	Y		DL	1.2	23	1.5	W...	-.866	W...	-.5														
203	1.2D + 1.5Lm(12) + 1...	Yes	Y		DL	1.2	23	1.5	W...	-1	W...	.001														
204	1.2D + 1.5Lm(12) + 1...	Yes	Y		DL	1.2	23	1.5	W...	-.866	W...	.5														
205	1.2D + 1.5Lm(12) + 1...	Yes	Y		DL	1.2	23	1.5	W...	-.5	W...	.866														

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [lb-ft]	LC	MY [lb-ft]	LC	MZ [lb-ft]	LC
1	N001	max	1547.474	17	1237.983	20	9465.914	2	778.879	20	2053.933	23	1257.782	23
2		min	-1577.088	11	-1408.821	2	-5654.334	20	-987.363	2	-2081.189	5	-1360.913	5
3	N003	max	7877.578	6	1223.763	24	3405.239	24	1029.628	4	1216.869	24	1174.164	8
4		min	-4581.451	24	-1391.467	6	-5293.316	6	-1006.91	22	-1233.884	6	-941.827	25
5	N004	max	4857.416	16	1273.43	16	3059.735	16	1318.742	12	695.468	22	825.248	15
6		min	-8123.373	10	-1443.293	10	-5016.367	10	-1123.545	18	-718.172	4	-958.502	9
7	N040	max	15.637	18	3940.37	2	2429.936	20	0	205	0	205	0	205
8		min	-16.355	22	-1384.778	20	-6853.107	2	0	1	0	1	0	1
9	N041	max	2126.244	24	3949.507	6	3447.173	6	0	205	0	205	0	205
10		min	-5941.889	6	-1396.793	24	-1219.711	24	0	1	0	1	0	1
11	N042	max	5970.25	10	3966.483	10	3457.654	10	0	205	0	205	0	205
12		min	-2149.967	16	-1412.852	16	-1234.753	16	0	1	0	1	0	1
13	Totals:	max	5939.752	17	7961.332	37	5820.022	14						
14		min	-5939.752	11	3060.049	14	-5820.022	8						

Envelope AISC 15th(360-16): LRFD Steel Code Checks

	Member	Shape	Code C...	Loc[in]	LC	Shear Check	Loc[in]	Dir	LC	phi*Pn...	phi*Pn...	phi*M...	phi*M...	Cb	Eqn
1	H001	PIPE_3.0	.524	0	4	.347	0		5	52006....	65205	5748.75	5748.75	...	H3-6
2	H002	PIPE_3.0	.474	41.438	6	.288	11.375		8	52006....	65205	5748.75	5748.75	...	H1-1b
3	H003	PIPE_3.0	.477	41.438	10	.279	0		13	52006....	65205	5748.75	5748.75	...	H1-1b
4	H004	PIPE_3.0	.270	53.125	12	.109	51.563		3	28250....	65205	5748.75	5748.75	...	H1-1b
5	H005	PIPE_3.0	.323	53.125	4	.115	51.562		6	28250....	65205	5748.75	5748.75	...	H1-1b
6	H006	PIPE_3.0	.297	53.125	8	.105	98.438		10	28250....	65205	5748.75	5748.75	...	H1-1b
7	H007	PL6x0.5	.262	4.33	9	.371	4.33	y	37	80419....	97200	1012.5	12150	...	H1-1b
8	H008	PL6x0.5	.260	4.33	13	.371	4.33	y	29	80419....	97200	1012.5	12150	...	H1-1b
9	H009	PL6x0.5	.272	4.33	5	.374	4.33	y	33	80419....	97200	1012.5	12150	...	H1-1b
10	H010	C3x5	.764	0	2	.284	25.602	z	6	40268....	47628	981.263	4104	...	H1-1b
11	H011	C3x5	.796	0	6	.257	25.602	z	10	40268....	47628	981.263	4104	...	H1-1b
12	H012	C3x5	.778	0	10	.267	25.602	z	2	40268....	47628	981.263	4104	...	H1-1b
13	H013	C3x5	.787	0	3	.278	25.602	z	10	40268....	47628	981.263	4104	...	H1-1b
14	H014	C3x5	.794	0	7	.265	25.602	z	2	40268....	47628	981.263	4104	...	H1-1b
15	H015	C3x5	.793	0	11	.254	25.602	z	6	40268....	47628	981.263	4104	...	H1-1b
16	H016	L2x2x2	.377	48.374	7	.024	0	z	7	10817....	15908.4	402.563	778.258	...	H2-1
17	H017	L2x2x2	.366	48.374	11	.023	0	z	11	10817....	15908.4	402.563	776.071	...	H2-1
18	H018	L2x2x2	.372	48.374	3	.023	0	z	3	10817....	15908.4	402.563	779.799	...	H2-1
19	H019	L2x2x2	.384	48.374	5	.023	0	y	5	10817....	15908.4	402.563	767.74	...	H2-1
20	H020	L2x2x2	.398	48.374	9	.024	0	y	9	10817....	15908.4	402.563	770.267	...	H2-1
21	H021	L2x2x2	.394	48.374	13	.023	0	y	13	10817....	15908.4	402.563	774.814	...	H2-1
22	H022	PIPE_2.0	.362	51.563	3	.204	93.75		13	6295.4...	32130	1871.6...	1871.6...	...	H1-1b
23	H023	PIPE_2.0	.409	51.562	6	.194	51.562		6	6295.4...	32130	1871.6...	1871.6...	...	H1-1b
24	H024	PIPE_2.0	.377	92.188	10	.201	93.75		9	6295.4...	32130	1871.6...	1871.6...	...	H1-1b
25	TB025	LL2.5x2.5...	.127	48.374	2	.001	48.374	y	2	62352....	77112	6325.9...	3332.3...	...	H1-1...
26	TB026	LL2.5x2.5...	.127	48.374	6	.001	0	y	6	62352....	77112	6325.9...	3332.3...	...	H1-1...
27	TB027	LL2.5x2.5...	.128	48.374	10	.001	0	y	10	62352....	77112	6325.9...	3332.3...	...	H1-1...
28	H028	PL6x0.5	.181	8.66	8	.157	0	y	5	89720....	97200	1012.5	12150	...	H1-1b
29	H029	PL6x0.5	.200	0	11	.138	0	y	9	89720....	97200	1012.5	12150	...	H1-1b
30	H030	PL6x0.5	.222	8.66	4	.136	0	y	13	89720....	97200	1012.5	12150	...	H1-1b
31	D055	L3x3x4	.052	29.602	15	.008	0	z	3	26587....	46656	1688.1...	3317.8...	...	H2-1
32	D056	L3x3x4	.060	29.602	19	.009	0	z	7	26587....	46656	1688.1...	3317.8...	...	H2-1
33	D057	L3x3x4	.046	29.602	23	.006	60.463	z	11	26587....	46656	1688.1...	3317.8...	...	H2-1
34	D058	L3x3x4	.064	28.342	13	.011	0	y	8	26587....	46656	1688.1...	3317.8...	...	H2-1
35	D059	L3x3x4	.058	28.972	18	.010	0	y	12	26587....	46656	1688.1...	3317.8...	...	H2-1
36	D060	L3x3x4	.074	28.972	22	.012	0	y	4	26587....	46656	1688.1...	3317.8...	...	H2-1
37	MP1	PIPE_2.5	.315	84	4	.180	84		3	8059.8...	50715	3596.25	3596.25	...	H1-1b
38	MP2	PIPE_2.5	.332	84	12	.169	84		13	8059.8...	50715	3596.25	3596.25	...	H1-1b

Envelope AISC 15th(360-16): LRFD Steel Code Checks (Continued)

	Member	Shape	Code C...	Loc[in]	LC	Shear Check	Loc[in]	Dir	LC	phi*Pn...	phi*Pn...	phi*M...	phi*M...	Cb	Eqn
39	MP3	PIPE_2.5	.346	84	10	.131	36		2	8059.8...	50715	3596.25	3596.25	...	H1-1b
40	MP4	PIPE_2.5	.352	84	6	.142	36		2	8059.8...	50715	3596.25	3596.25	...	H1-1b
41	MP5	PIPE_2.5	.327	84	8	.193	84		6	8059.8...	50715	3596.25	3596.25	...	H1-1b
42	MP6	PIPE_2.5	.325	84	12	.149	84		10	8059.8...	50715	3596.25	3596.25	...	H1-1b
43	MP7	PIPE_2.5	.365	84	2	.139	36		6	8059.8...	50715	3596.25	3596.25	...	H1-1b
44	MP8	PIPE_2.5	.375	84	6	.118	36		10	8059.8...	50715	3596.25	3596.25	...	H1-1b
45	MP9	PIPE_2.5	.381	84	10	.130	36		6	8059.8...	50715	3596.25	3596.25	...	H1-1b
46	MP10	PIPE_2.5	.374	84	7	.152	36		10	8059.8...	50715	3596.25	3596.25	...	H1-1b
47	MP11	PIPE_2.5	.345	84	4	.135	84		6	8059.8...	50715	3596.25	3596.25	...	H1-1b
48	MP12	PIPE_2.5	.341	84	8	.178	84		10	8059.8...	50715	3596.25	3596.25	...	H1-1b