Robinson+Cole

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Also admitted in Massachusetts
and New York

April 11, 2022

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

Re: **Notice of Exempt Modification – Facility Modification**
225 Grist Mill Road, Simsbury, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains a wireless telecommunications facility at the above-referenced property address (the "Property"). The facility consists of antennas and remote radio heads attached to a tower and associated equipment on the ground near the base of the tower. The tower and Cellco's use of the tower were approved by the Siting Council ("Council") in November of 2001 (Docket No. 203). A copy of the Council's Docket No. 203 Decision and Order is included in Attachment 1.

Cellco now intends to modify its facility by installing three (3) new Samsung MT6407-77A antennas its existing antenna platform. A set of project plans showing Cellco's proposed facility modifications and the specifications for Cellco's new antennas are included in Attachment 2.

Please accept this letter as notification pursuant to R.C.S.A. § 16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to Simsbury's Chief Elected Official and Land Use Officer.

The planned modifications to the facility fall squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2).

1. The proposed modifications will not result in an increase in the height of the existing tower. Cellco's new antennas will be installed on its existing antenna mounting structure.

2. The proposed modifications will not involve any change to ground-mounted equipment and, therefore, will not require the extension of the site boundary.

3. The proposed modifications will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.

4. The installation of Cellco's new antennas will not increase radio frequency (RF) emissions at the facility to a level at or above the Federal Communications Commission (FCC) safety standard. A cumulative General Power Density table for Cellco's modified facility is included in Attachment 3. The modified facility will be capable of providing Cellco's 5G wireless service.

5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.

6. According to the attached Structural Analysis ("SA") and Mount Analysis ("MA"), the existing tower, tower foundation and antenna mounts, with certain modifications, can support Cellco's proposed modifications. Copies of the SA and MA are included in Attachment 4.

A copy of the parcel map and Property owner information is included in Attachment 5. A Certificate of Mailing verifying that this filing was sent to municipal officials and the property owner is included in Attachment 6.

For the foregoing reasons, Cellco respectfully submits that the proposed modifications to the above-referenced telecommunications facility constitutes an exempt modification under R.C.S.A. § 16-50j-72(b)(2).

Sincerely,

Kenneth C. Baldwin

Enclosures
Copy to:
Wendy Mackstutis, Simsbury First Selectman
Tom Hazel, Assistant Town Planner
Ensign Bickford Realty Corporation, Property Owner
Alex Tyurin, Verizon Wireless

ATTACHMENT 1

DOCKET NO. 203 - New England Site Management application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a cellular telecommunications facility located on Grist Mill Road, known as the Powder Forest, Simsbury, Connecticut.	} } }	Connecticut Siting Council November 7, 2001

Decision and Order

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a telecommunications facility at the proposed site in Simsbury, Connecticut, including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate either alone or cumulatively with other effects when compared to need, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the application and therefore directs that a Certificate of Environmental Compatibility and Public Need, as provided by General Statutes § 16-50k, be issued to New England Site Management for the construction, maintenance and operation of a cellular telecommunications facility at the proposed site located on Grist Mill Road, known as the Powder Forest, Simsbury, Connecticut.

The facility shall be constructed, operated, and maintained substantially as specified in the Council's record in this matter, and subject to the following conditions:

1. The tower shall be constructed as a monopole, no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas of the Town of Simsbury, Cingular, Nextel, AT&T and other entities, both public and private, but such tower shall not exceed a height of 130 feet above ground level unless sufficient carriers commit to placement of antennas on the tower and no space on the tower exists below 130 feet, which, if approved by the Council through a petition pursuant to Sections 16-50j-38 through 16-50j-40 of the Regulations of Connecticut State Agencies, shall authorize the construction or extension of the tower to a maximum height of 150 feet above ground level (AGL).

2. The Certificate Holder shall prepare a D&M Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be submitted to and approved by the Council prior to the commencement of facility construction and shall include: a final site plan(s) for site development to include the location and specifications for the tower foundation, placement of carrier antennas, tower height, provisions for tower extension, equipment buildings, security fence, access road, and utility line; construction plans for site clearing, tree trimming, water drainage, and erosion and sedimentation controls consistent with the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended; landscaping and provisions to protect the existing vegetative buffer that would extend around the facility compound; a tower finish that may include painting; and provisions for the prevention and containment of spills and/or other discharge into surface water and groundwater bodies.

3. The Certificate Holder shall, prior to the commencement of operation, provide the Council worst-case modeling of electromagnetic radio frequency power density of all proposed entities' antennas at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 65, August 1997. The Certificate Holder shall provide a recalculated report of electromagnetic radio frequency power density if and

when circumstances in operation cause a change in power density above the levels calculated and provided pursuant to this Decision and Order.

4. Upon the establishment of any new State or Federal radio frequency standards applicable to frequencies of this facility, the facility granted herein shall be brought into compliance with such standards.

5. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.

6. If the facility does not initially provide, or permanently ceases to provide cellular services following completion of construction, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made.

7. Any antenna that becomes obsolete and ceases to function shall be removed within 60 days after such antennas become obsolete and ceases to function.

8. Unless otherwise approved by the Council, this Decision and Order shall be void if all construction authorized herein is not completed within three years of the effective date of this Decision and Order or within three years after all appeals to this Decision and Order have been resolved.

Pursuant to General Statutes § 16-50p, we hereby direct that a copy of the Findings of Fact, Opinion, and Decision and Order be served on each person listed below, and notice of issuance shall be published in The Hartford Courant.

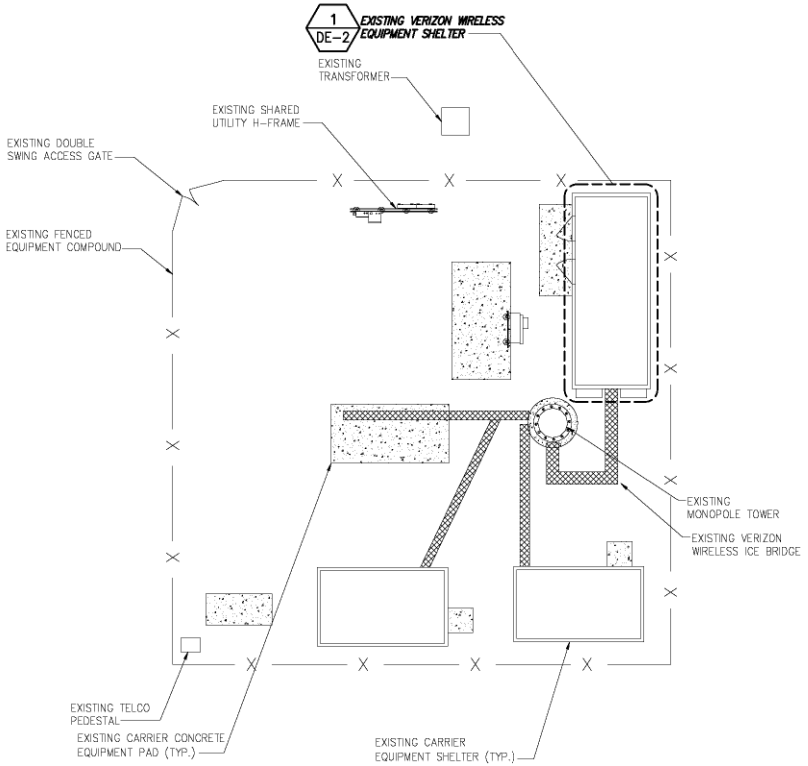
By this Decision and Order, the Council disposes of the legal rights, duties, and privileges of each party named or admitted to the proceeding in accordance with Section 16-50j-17 of the Regulations of Connecticut State Agencies.

The parties and intervenors to this proceeding are:

New England Site Management, LLC (NESM)	Wayne Kemp New England Site Management, LLP 1050 Buckley Highway Union, CT 06076 Andrew Lord Murtha Cullina, LLP City Place 1, 185 Asylum Street Hartford, CT 06103-3469 Douglas Roberts, AIA URS Corporation AES 795 Brook Street, Building 5 Rocky Hill, CT 06067
Town of Simsbury	Robert M. DeCrescenzo, Esq. Updike, Kelly & Spellacy, P.C. P.O. Box 231277 One State Street Hartford, CT 06123-1277

Crown Atlantic Company	Kenneth C. Baldwin Robinson & Cole 280 Trumbull Street Hartford, CT 06103-3597
SNET Mobility, LLC, d/b/a Cingular Wireless (Cingular)	Peter W. van Wilgen SNET Mobility, LLC 500 Enterprise Drive Rocky Hill, CT 06067-3900
AT&T Wireless Services, LLC	Christopher B. Fisher, Esq. Cuddy & Feder & Worby LLP 90 Maple Avenue White Plains, NY 10601-5196
Nextel Communications of the Mid-Atlantic, Inc. d/b/a Nextel Communications	Christopher B. Fisher, Esq. Cuddy & Feder & Worby LLP 90 Maple Avenue White Plains, NY 10601-5196

ATTACHMENT 2

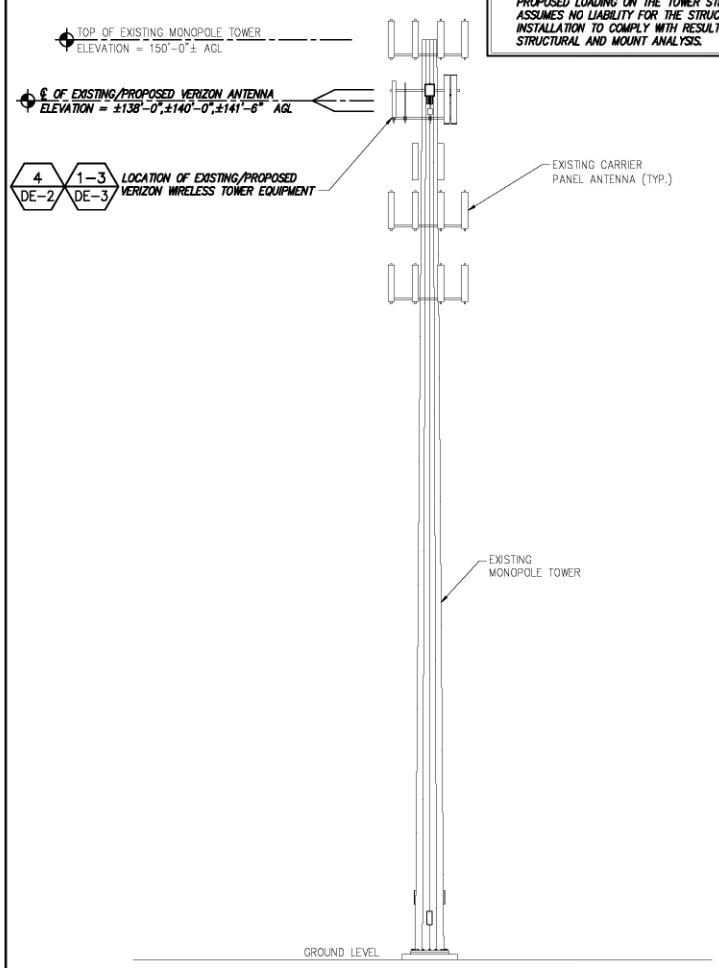


NOTE:
THIS PLAN IS DIAGRAMMATIC IN NATURE AND IS INTENDED FOR VISUAL REPRESENTATION OF THE PROPOSED ANTENNA UPGRADE.

BASEMAPPING PREPARED FROM A SITE WALK PERFORMED BY INFINIGY ENGINEERING ON AND PROVIDED INFORMATION.

GRAPHIC SCALE:
20' 10' 0 10' 20'
SCALE (11x17): 1" = 20'-0"
SCALE (22x34): 1" = 10'-0"

SITE PLAN (PROPOSED) | SCALE: AS NOTED | 1



NOTE:
- FOR ADDITIONAL STRUCTURAL INFORMATION PERTAINING TO THE ANTENNA MOUNT, SEE 'ANTENNA MOUNT ANALYSIS REPORT AND PMI REQUIREMENTS' COMPLETED BY MASER, DATED 11/19/21.
- TOWER STRUCTURAL ANALYSIS AND MODIFICATION DESIGN BY TES DATED 2/21/22 AND 3/2/22 RESPECTIVELY.
- INFINIGY HAS NOT EVALUATED THE EXISTING OR PROPOSED LOADING ON THE TOWER STRUCTURE AND ASSUMES NO LIABILITY FOR THE STRUCTURAL INTEGRITY. INSTALLATION TO COMPLY WITH RESULTS OF PASSING STRUCTURAL AND MOUNT ANALYSIS.

ELEVATION VIEW | NOT TO SCALE | 2

PLANS PREPARED FOR:
verizon

PLANS PREPARED BY:
INFINIGY
FROM ZERO TO INFINIGY
the solutions are endless
INFINIGY ENGINEERING, PLLC
9033 Watervliet Shaker Rd | Albany, NY 12205
Phone: 518-690-0790 | Fax: 518-690-0793
www.infinigy.com
JOB NUMBER 1126-0001-C

ENGINEERING LICENSE:
STATE OF CONNECTICUT
CHRISTOPHER J. WARREN
No. 23544
4/1/22
LICENSED PROFESSIONAL ENGINEER

DRAWING NOTICE:

REVISIONS:

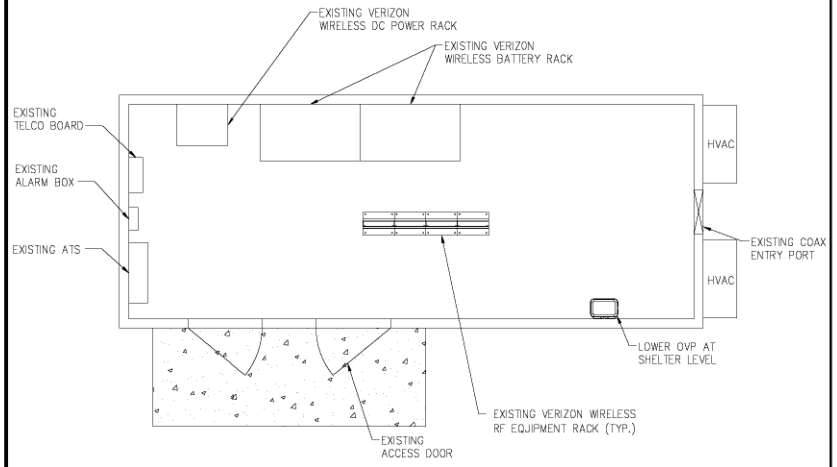
DESCRIPTION	DATE	BY	REV.
ISSUED FOR REVIEW	03/29/22	PHR	B
ISSUED FOR REVIEW	12/17/21	SKR	A

SITE NAME:
SIMSBURY CT

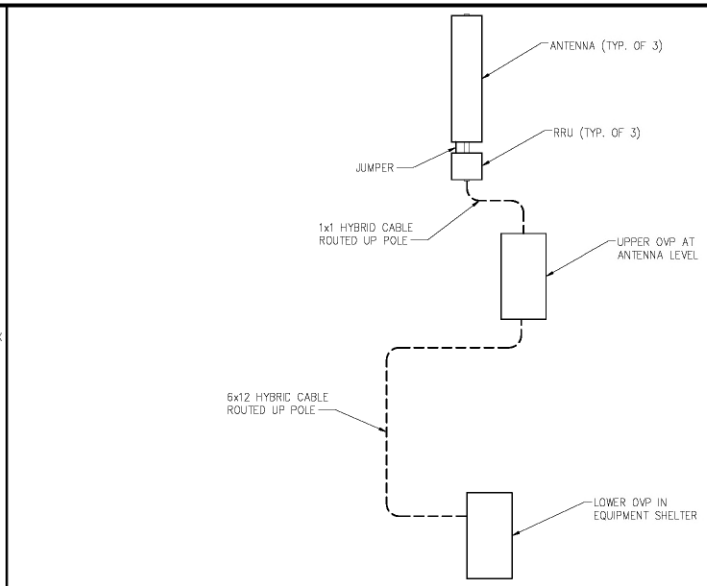
SITE ADDRESS:
225 GRIST MILL
SIMSBURY, CT 06070

SHEET DESCRIPTION:
COMPOUND PLAN & ELEVATION VIEW

SHEET NUMBER:
DE-1



SHELTER PLAN – GRADE | SCALE: AS NOTED | 1



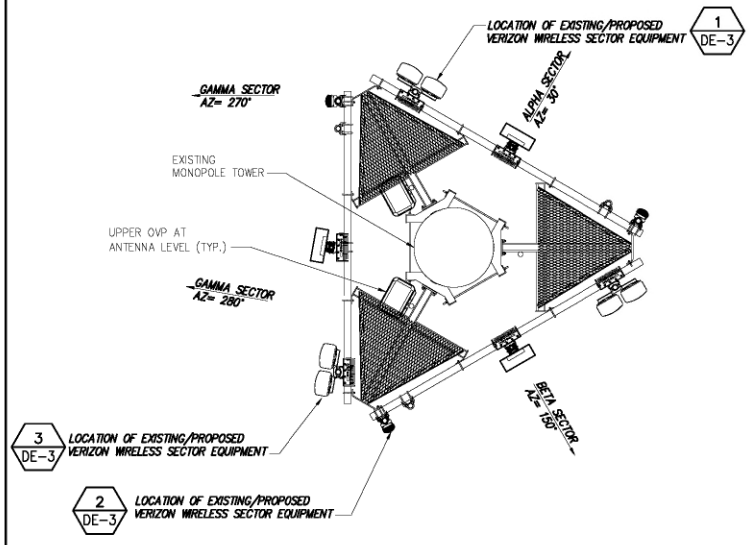
RF PLUMBING DIAGRAM | SCALE: AS NOTED | 2

BILL OF MATERIALS

SITE NAME: SIMSBURY CT

DESCRIPTION	QTY.	EXISTING/PROPOSED	LENGTH	COMMENT
UPPER OVP	2	EXISTING	–	–
6x12 HIBRID CABLE	2	EXISTING	EXISTING	–
1X1 HYBRID CABLE	**3**	**PROPOSED**	±14'	(1) PER SECTOR
1900/2100 LTE RRU	3	EXISTING	–	(1) PER SECTOR
700/850 LTE RRU	3	EXISTING	–	(1) PER SECTOR
AWS ANTENNA	3	EXISTING	–	–
1900 ANTENNA	3	EXISTING	–	–
850 ANTENNA	3	EXISTING	–	–
CBRS ANTENNA/RRU	3	EXISTING	–	(1) PER SECTOR TO BE REMOVED
L-SUB6 ANTENNA/RRU	**3**	**PROPOSED**	–	(1) PER SECTOR
			–	

BILL OF MATERIALS | SCALE: AS NOTED | 3



ANTENNA ORIENTATION PLAN | SCALE: AS NOTED | 4

PLANS PREPARED FOR:

verizon

PLANS PREPARED BY:

INFINIGY
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9033 Watervliet Shaker Rd | Albany, NY 12205
Phone: 518-690-0790 | Fax: 518-690-0793
www.infinigy.com
JOB NUMBER 1126-00001-C

ENGINEERING LICENSE:

STATE OF CONNECTICUT
CHRISTOPHER J. WARREN
No. 23544
4/1/22
LICENSED PROFESSIONAL ENGINEER

DRAWING NOTICE:

REVISIONS:

DESCRIPTION	DATE	BY	REV.
ISSUED FOR REVIEW	03/29/22	PHR	B
ISSUED FOR REVIEW	12/17/21	SKH	A

SITE NAME:

SIMSBURY CT

SITE ADDRESS:

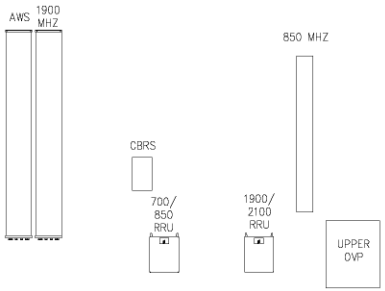
225 GRIST MILL
SIMSBURY, CT 06070

SHEET DESCRIPTION:

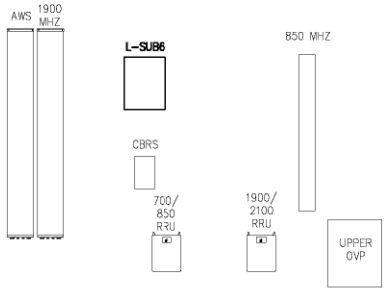
SHELTER LAYOUT, B.O.M. & ORIENTATION

SHEET NUMBER:

DE-2



EXISTING (BEHIND ANTENNAS)

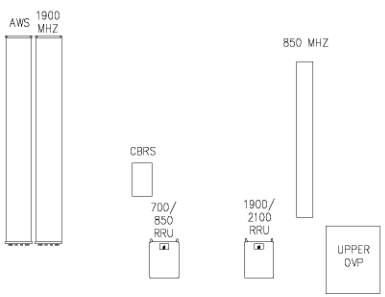


PROPOSED (BEHIND ANTENNAS)

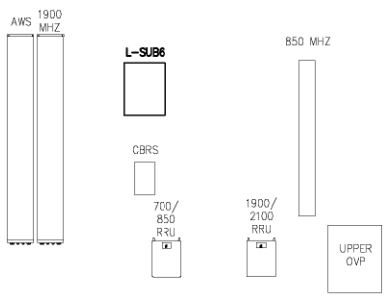
SECTOR: ALPHA

POSITION	EXISTING ANTENNA BAND	PROPOSED		
		ANTENNA	RRU	OVP
1	AWS MHZ	(E) TO REMAIN	(E) TO REMAIN	(E) TO REMAIN
2	1900 MHZ	(E) TO REMAIN	(E) TO REMAIN	
3	CBRS	(E) TO REMAIN	(E) TO REMAIN	
4	L-SUB6	**(P) MT6407-77A**	**(P) MT6407-77A**	
5	850 MHZ	(E) TO REMAIN	–	

ANTENNA MOUNTING CONFIGURATION (ALPHA) | NO SCALE | 1



EXISTING (BEHIND ANTENNAS)

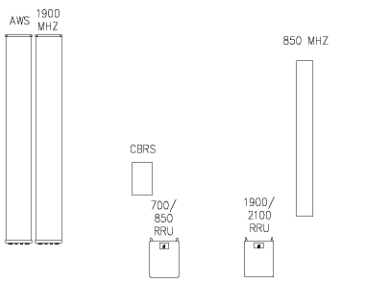


PROPOSED (BEHIND ANTENNAS)

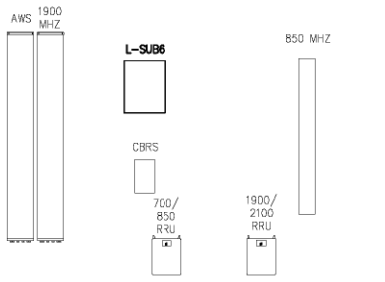
SECTOR: BETA

POSITION	EXISTING ANTENNA BAND	PROPOSED		
		ANTENNA	RRU	OVP
1	AWS MHZ	(E) TO REMAIN	(E) TO REMAIN	(E) TO REMAIN
2	1900 MHZ	(E) TO REMAIN	(E) TO REMAIN	
3	CBRS	(E) TO REMAIN	(E) TO REMAIN	
4	L-SUB6	**(P) MT6407-77A**	**(P) MT6407-77A**	
5	850 MHZ	(E) TO REMAIN	–	

ANTENNA MOUNTING CONFIGURATION (BETA) | NO SCALE | 2



EXISTING (BEHIND ANTENNAS)



PROPOSED (BEHIND ANTENNAS)

SECTOR: GAMMA

POSITION	EXISTING ANTENNA BAND	PROPOSED		
		ANTENNA	RRU	OVP
1	AWS MHZ	(E) TO REMAIN	(E) TO REMAIN	SHARED
2	1900 MHZ	(E) TO REMAIN	(E) TO REMAIN	
3	CBRS	(E) TO REMAIN	(E) TO REMAIN	
4	L-SUB6	**(P) MT6407-77A**	**(P) MT6407-77A**	
5	850 MHZ	(E) TO REMAIN	–	

NOTE:
THIS PLAN IS DIAGRAMMATIC IN NATURE AND IS INTENDED FOR VISUAL REPRESENTATION OF THE PROPOSED ANTENNA UPGRADE.

ANTENNA MOUNTING CONFIGURATION (GAMMA) | NO SCALE | 3

PLANS PREPARED FOR:

verizon

PLANS PREPARED BY:

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www.infinigy.com

JOB NUMBER 1126-0001-C

ENGINEERING LICENSE:

DRAWING NOTICE:

REVISIONS:

DESCRIPTION	DATE	BY	REV.
ISSUED FOR REVIEW	03/29/22	PHR	B
ISSUED FOR REVIEW	12/17/21	SKB	A

SITE NAME:

SIMSBURY CT

SITE ADDRESS:

225 GRIST MILL
SIMSBURY, CT 06070

SHEET DESCRIPTION:

ANTENNA CONFIGURATION

SHEET NUMBER:

DE-3

SAMSUNG

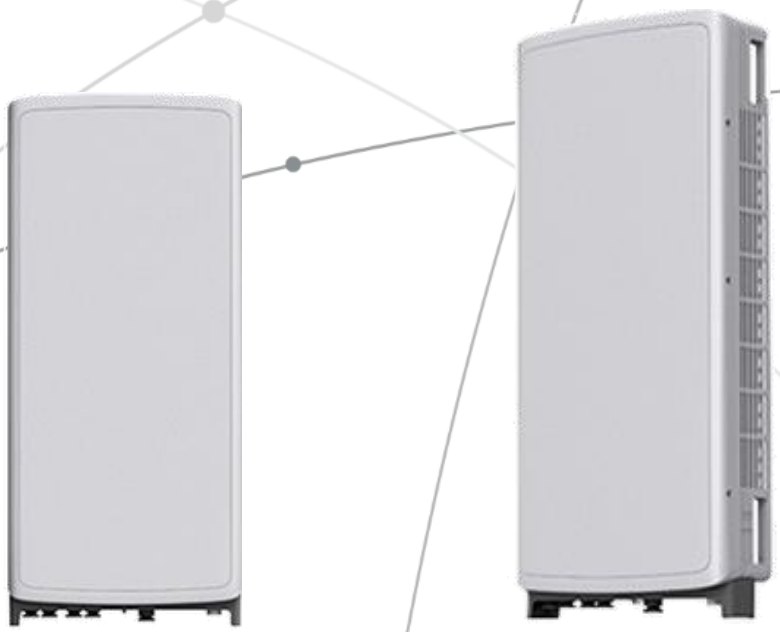
SAMSUNG

C-Band 64T64R Massive MIMO Radio

for High Capacity and Wide Coverage

Samsung C-Band 64T64R Massive MIMO Radio enables mobile operators to increase coverage range, boost data speeds and ultimately offer enriched 5G experiences to users in the U.S..

Model Code : MT6407-77A

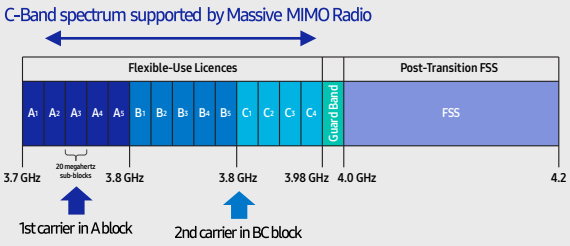


Points of Differentiation

Wide Bandwidth

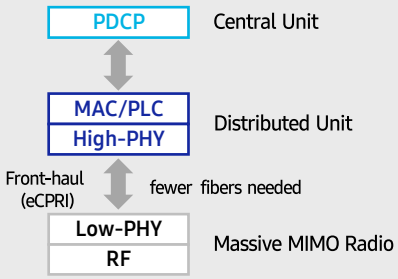
With capability to support up to 2 CC carrier configuration, Samsung C-Band massive MIMO Radio supports 200 MHz bandwidth in the C-Band spectrum.

Samsung C-Band massive MIMO Radio covers the entire C-Band 280 MHz spectrum, so it can meet the operator's needs in current A block and future B/C blocks



Future Proof Product

Samsung C-Band 64T64R Massive MIMO radio supports not only CPRI but also eCPRI as front-haul interface.
It enables operators can cut down on OPEX/CAPEX by reducing front-haul bandwidth through low layer split and using ethernet based higher efficient line.



Enhanced Performance

C-Band massive MIMO Radio creates sharp beams and extends networks' coverage on the critical mid-band spectrum using a large number of antenna elements and high output power to boost data speeds.

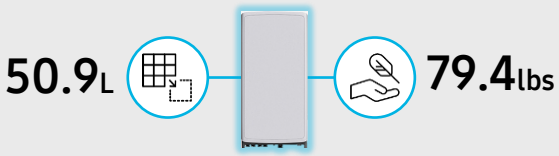
This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

Furthermore, as C-Band massive MIMO Radio supports MU-MIMO(Multi-user MIMO) , it enables to increase user throughput by minimizing interference.

Well Matched Design

Samsung C-Band Massive MIMO radio utilizes 64 antennas, supports up to 280MHz bandwidth, and delivers a 200W output power. despite the above advanced performance, the Radio has a compact size of 50.9L and 79.4lbs. This makes it easy to install the Radio.

It is designed to look solid and compact, with a low profile appearance so that, when installed, harmonizes well with the surrounding environment..



Technical Specifications

Item	Specification
Tech	NR
Band	n77
Frequency Band	3700 - 3980 MHz
EIRP	78.5dBm (53.0 dBm+25.5 dBi)
IBW/OBW	280 MHz / 200 MHz
Installation	Pole/Wall
Size/ Weight	16.06 x 35.06 x 5.51 inch (50.86L)/ 79.4 lbs

SAMSUNG

About Samsung Electronics Co., Ltd.

Samsung inspires the world and shapes the future with transformative ideas and technologies. The company is redefining the worlds of TVs, smartphones, wearable devices, tablets, digital appliances, network systems, and memory, system LSI, foundry and LED solutions.

129 Samsung-ro, Yeongtong-gu, Suwon-si Gyeonggi-do, Korea

ATTACHMENT 3

	General	Power	Density					
Site Name: Wilton W								
Tower Height: Verizon @ 138ft,140ft, and 141.5ft								
CARRIER	**# OF CHAN.**	**WATTS ERP**	**HEIGHT**	**FREQ.**	**CALC. POWER DENS**	**MAX. PERMISS.EXP.**	**FRACTION MPE**	**Total**
*DISH	4	224	110	600	0.0298	0.4000	0.74%	
*DISH	4	543	110	1900	0.0722	1.0000	0.72%	
*DISH	4	543	110	2100	0.0722	1.0000	0.72%	
*AT&T-UMTS	2	419	150	850	0.0145	0.5667	0.26%	
*AT&T-UMTS	2	817	150	1900	0.0283	1.0000	0.28%	
*AT&T-PCS-UMTS	2	627	150	700	0.0217	0.4667	0.47%	
*AT&T-LTE	4	960	150	2100	0.0666	1.0000	0.67%	
*AT&T-GSM	2	885	150	850	0.0307	0.5667	0.54%	
*AT&T-PCS-GSM	4	949	150	1900	0.0658	1.0000	0.66%	
*AT&T-WCS-LTE	2	553	150	850	0.0192	0.5667	0.34%	
*AT&T-PCS-LTE	4	836	150	2300	0.0580	1.0000	0.58%	
*T-Mobile	2	2057	131	1900	0.0947	1.0000	0.95%	
*T-Mobile	2	2308	131	2100	0.1062	1.0000	1.06%	
*T-Mobile	2	592	131	600	0.0273	0.4000	0.68%	
*T-Mobile	1	1578	131	600	0.0363	0.4000	0.91%	
*T-Mobile	2	695	131	700	0.0320	0.4667	0.69%	
*T-Mobile	2	2105	131	1900	0.0969	1.0000	0.97%	
*T-Mobile	2	1325	131	2100	0.0610	1.0000	0.61%	
*T-Mobile	1	19239	131	2500	0.4428	1.0000	4.43%	
*T-Mobile	1	19239	131	2500	0.4428	1.0000	4.43%	
*Nextel	9	100	111	851	0.0294	0.5673	0.52%	
*Sprint	1	438	123	850	0.0115	0.5667	0.20%	
*Sprint	2	438	123	850	0.0230	0.5667	0.41%	
*Sprint	5	623	123	1900	0.0818	1.0000	0.82%	
*Sprint	2	1556	123	1900	0.0818	1.0000	0.82%	
*Sprint	8	778	123	2500	0.1635	1.0000	1.64%	
VZW 700	**4**	**698**	**140**	**751**	**0.0051**	**0.5007**	**1.02%**	
VZW CDMA	**2**	**392**	**140**	**869**	**0.0014**	**0.5793**	**0.25%**	
VZW Cellular	**4**	**826**	**140**	**869**	**0.0061**	**0.5793**	**1.05%**	
VZW PCS	**4**	**1593**	**140**	**1980**	**0.0117**	**1.0000**	**1.17%**	
VZW AWS	**4**	**1581**	**140**	**2125**	**0.0116**	**1.0000**	**1.16%**	
VZW CBRS	**4**	**6531**	**141.5**	**3730**	**0.0469**	**1.0000**	**4.69%**	
VZW CBAND	**2**	**12**	**138**	**3625**	**0.0001**	**1.0000**	**0.01%**	
								24.18%
* Source: Siting Council								

ATTACHMENT 4

Tower Engineering Solutions
Phone (972) 483-0607, Fax (972) 975-9615
1320 Greenway Drive, Suite 600, Irving, Texas 75038

Post-Mod Structural Analysis Report

Existing 150 ft Rohn Monopole

Customer Name: SBA Communications Corp

Customer Site Number: CT10022-A

Customer Site Name: Simsbury 2, CT

Carrier Name: Verizon (App#: 184982-2)

Carrier Site ID / Name: 467522 / SIMSBURY_CT

Site Location: 225 Grist Mill Road

Simsbury, Connecticut

Hartford County

Latitude: 41.866708

Longitude: -72.815772

Analysis Result:

Max Structural Usage: 93.4% [Pass]

Max Foundation Usage: 81.0% [Pass]

Report Prepared By: Kevin Azisllari

Tower Engineering Solutions
Phone (972) 483-0607, Fax (972) 975-9615
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Latitude: 41.866708

Longitude: -72.815772

Analysis Result:

Max Structural Usage: 93.4% [Pass]

Max Foundation Usage: 81.0% [Pass]

Report Prepared By: Kevin Azisllari

Introduction

The purpose of this report is to summarize the analysis results on the 150 ft Rohn Monopole to support the proposed antennas and transmission lines in addition to those currently installed. Any existing modification listed under Sources of Information was assumed completed and was included in this analysis.

The proposed modification by **TES** listed under Sources of Information was considered completed and was included in this analysis.

Sources of Information

Tower Drawings	Rohn Industries, Inc., File No. 50754AE, Drawing No. A020293, dated February 13, 2002
Foundation Drawing	Rohn Industries, Inc., File No. 50754AE, Drawing No. A020294 1-3, dated February 13, 2002
Geotechnical Report	FDH Engineering, Inc., Project No. 15BGSH1600, dated March 19, 2015
Mount Analysis	TES, Verizon, SMART Tool Project #: 10037818, dated 11/19/2021
Existing Modification	N/A
Proposed Modification	TES Job # 124082

Analysis Criteria

The rigorous analysis was performed in accordance with the requirements and stipulations of the TIA-222-G-2**.** In accordance with this standard, the structure was analyzed using **TESPoles,** a proprietary analysis software. The program considers the structure as an elastic 3-D model with second-order effects and temperature effects incorporated in the analysis. The analysis was performed using multiple wind directions.

Wind Speed Used in the Analysis:	Ultimate Design Wind Speed V_{ult} = 120.0 mph (3-Sec. Gust)/ Nominal Design Wind Speed V_{asd} = 93.0 mph (3-Sec. Gust)
Basic Wind Speed with Ice:	50 mph (3-Sec. Gust) with 1" radial ice concurrent
Operational Wind Speed:	60 mph + 0" Radial ice
Standard/Codes:	TIA-222-G-2 / 2015 IBC / 2018 Connecticut State Building Code
Exposure Category:	C
Structure Class:	II
Topographic Category:	1
Crest Height:	0 ft
Seismic Parameters:	SS = 0.179, S1 = 0.064

This structural analysis is based upon the tower being classified as a Structure Class II; however, if a different classification is required subsequent to the date hereof, the tower classification will be changed to meet such requirement and a new structural analysis will be run.

Existing Antennas, Mounts and Transmission Lines

The table below summarizes the antennas, mounts and transmission lines that were considered in the analysis as existing on the tower.

Items	Elevation (ft.)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
1	150.7	3	Kathrein 800 10121 - Panel	Low Profile Platform	(6) 1 5/8" (1) 3" Conduit (2) 1/2" DC (4) 3/8" Fiber	AT&T
2	150.0	1	Cci HPA-65R-BUU-H6 - Panel			
3		2	Cci TPA-65R-LCUUUU-H8 - Panel			
4		1	Quintel QS66512-2 - Panel			
5		2	Cci HPA-65R-BUU-H8 - Panel			
6		6	Cci DTMABP7819VG12A TMA			
7		6	CCI TPX-070821			
8		3	Ericsson RRUS 11			
9		3	Ericsson RRUS 32 B2			
10		3	Ericsson RRUS32			
11		3	Ericsson 4426 B66			
12		3	CSS DBC-750			
13		2	Raycap DC6-48-60-18-8F			
14		3	Commscope ABT-DRDM-ADBH			
15		1	LMU Antenna - Panel			
16	140.0	6	SBNHH-1D65B w/126 Mount Pipe	Modified Low Profile Platform w/ (1) handrail (HRK-14) and (3) Commscope BSAMNT-SBS-2-2	(6) 1 5/8" (2) 1 5/8" Hybrid (1) 1/2"	Verizon
17		3	Antel BXA-70080/4CF			
18		3	Samsung XXDWMM-12.5-65-8T-CBRS integrated with RRH- Panel			
19		3	Samsung B2/B66A RRHBR049			
20		3	Samsung B5/B13 RRHBR04C			
21		3	Samsung CBRS RRH-RT4401-48A			
22		1	Raycap RVZDC-6627-PF-48			
23		1	GPS Receiver			
24	131.0	3	RFS APXVAALL24-43-U-NA20 Panel	(1) PV-LPPGS-12M-HR2-AP3 with PV-KKRS-3-M	(12) 7/8" (3) 1 5/8" Hybrid	T-Mobile
25		3	Ericsson AIR6449 B41 Panel			
26		3	Ericsson AIR32 KRD901146-1_B66A_B2A (Octo) Panel			
27		3	Ericsson KRY 112 144-1 Double TMAs			
28		3	RFS ATMAA1412D-1A20 TMA			
29		3	Commscope SDX1926Q-43 Diplexers			
30		3	Ericsson Radio 4449 B71+B85 RRUs			
31		3	Ericsson 4415 B25 RRUs			
32		3	Kathrein 782 11056			
33	123.0	2	RFS - APXVSPP18-C-A20 - Panel	Platform w/ Handrail Kit [SitePro1 HRK14]	(4) 1-1/4" Fiber	Sprint Nextel
34		1	RFS - APXVSPP18-C-A20 (50 lb) - Panel			
35		3	RFS - APXVTM14-C-I20 - Panel			
36		4	RFS - ACU-A20-N - RET			
37		3	ALU - TD-RRH8x20-25 - RRU			
38		3	ALU - 1900 MHz RRH - RRU			
39		3	ALU - 800 MHz RRH - RRU			
40		3	ALU - 800 MHz Filter			

Continued...

41	110.0	3	JMA Wireless MX08FRO665-21 - Panel	Platform w/HRK Commscope MC-PK8-DSH	(1) 1.60" Hybrid	Dish Wireless
42		3	Fujitsu TA08025-B605 RRU			
43		3	Fujitsu TA08025-B604 RRU			
44		1	Raycap RDIDC-9181-PF-48-OVP			

Proposed Carrier's Final Configuration of Antennas, Mounts and Transmission Lines

Information pertaining to the proposed carrier's final configuration of antennas and transmission lines was provided by SBA Communications Corp. The proposed antennas and lines are listed below.

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
1	140.0	6	Andrew SBNHH-1D65B - Panel	Modified Low Profile Platform w/ (1) handrail (HRK-14) and (3) Commscope BSAMNT-SBS-2-2	(12) 1 5/8" (2) 1 5/8" Hybrid (1) 1/2"	Verizon
2		3	Amphenol Antel BXA-70080-4CF- Panel			
3		3	Samsung XXDWMM-12.5-65-8T-CBRS			
4		3	Samsung MT6407-77A			
5		3	Samsung B2/B66A RRHBR049			
6		3	Samsung B5/B13 RRHBR04C			
7		2	Raycap RVZDC-6627-PF48			
8		3	Samsung CBRS RRH-RT4401			

All transmission lines are considered running inside of the pole shafts.

Analysis Results

The results of the structural analysis, performed for the wind and ice loading and antenna equipment as defined above, are summarized as the following:

	Pole shafts	Anchor Bolts	Base Plate
Max. Usage:	**93.4%**	**88.1%**	**67.5%**
Pass/Fail	**Pass**	**Pass**	**Pass**

Foundations

	Moment (Kip-Ft)	Shear (Kips)	Axial (Kips)
Analysis Reactions	4276.7	37.5	95.7

The foundation has been investigated using the supplied documents and soils report and was found adequate. Therefore, no modification to the foundation will be required.

Operational Condition (Rigidity):

Operational characteristics of the tower are found to be within the limits prescribed by TIA-222 for the installed antennas. The maximum twist/sway at the elevation of the proposed equipment is 1.3211 degrees under the operational wind speed as specified in the Analysis Criteria.

Conclusions

Based on the analysis results, the structure and its foundation will be adequate to safely support the existing and proposed equipment and meet the minimum requirements per the TIA-222-G-2 Standard after the following proposed modification is successfully completed.

- Proposed modification design drawing by **TES** Job # 124082

Pre-Mod Installation Determination

We have also checked this tower to determine if the proposed Verizon equipment loading can be installed prior to the completion of the required modifications. We ran a reduced wind loading case as required by TIA-322 considering a construction period of no more than 6 months.

The tower and foundations passed, so the Carrier can proceed and install their proposed loading prior to the mods completion. Please be aware that this approval is being provided and is based on the method outlined in TIA-322. This approval is not a blanket approval and there is still a risk that the tower will experience a wind event that cannot be predicted by TIA-322 or our Engineers. In the event of an unforeseen wind event, Tower Engineering Solutions will not be liable nor responsible for damage to the tower or the Carriers equipment. Additionally, the tower cannot go beyond the 6 month construction period without the modifications being completed. If the modifications cannot be completed within 6 months from the completed installation of the Carrier's proposed equipment, TES must be notified immediately for further review.

Standard Conditions

1. This analysis was performed based on the information supplied to **(TES) Tower Engineering Solutions, LLC.** Verification of the information provided was not included in the Scope of Work for **TES**. The accuracy of the analysis is dependent on the accuracy of the information provided.

2. The structural analysis was performance based upon the evidence available at the time of this report. All information provided by the client is considered to be accurate.

3. The analyses will be performed based on the codes as specified by the client or based on the best knowledge of the engineering staff of **TES**. In the absence of information to the contrary, all work will be performed in accordance with the latest relevant revision of ANSI/TIA-222. If wind speed and/or ice loads are different from the minimum values recommended by the EIA/TIA-222 standard or other codes, **TES** should be notified in writing and the applicable minimum values provided by the client.

4. The configuration of the existing mounts, antennas, coax and other appurtenances were supplied by the customer for the current structural analysis. **TES** has not visited the tower site to verify the adequacy of the information provided. If there is any discrepancy found in the report regarding the existing conditions, **TES** should be notified immediately to evaluate the effect of the discrepancy on the analysis results.

5. The client will assume responsibility for rework associated with the differences in initially provided information, including tower and foundation information, existing and/or proposed equipment and transmission lines.

6. If a feasibility analysis was performed, final acceptance of changed conditions shall be based upon a rigorous structural analysis.

Usage Diagram - Max Ratio 93.39% at 20.0ft

Structure:	CT10022-A-SBA	**Code:**	EIA/TIA-222-G	2/21/2022
Site Name:	Simsbury 2, CT	**Exposure:**	C	
Height:	150.00 (ft)	**Gh:**	1.1	
Base Elev:	0.000 (ft)			Page: 1

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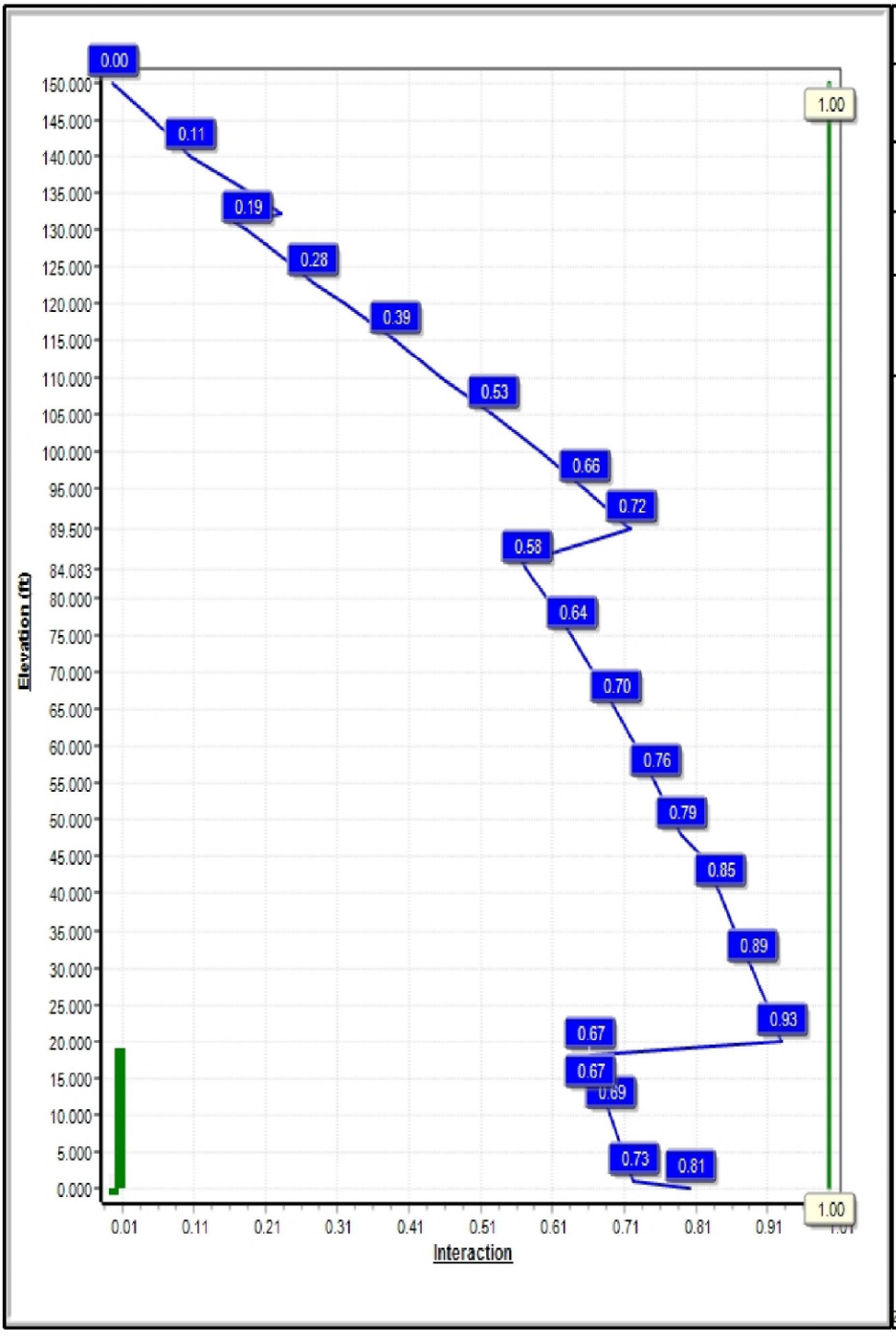
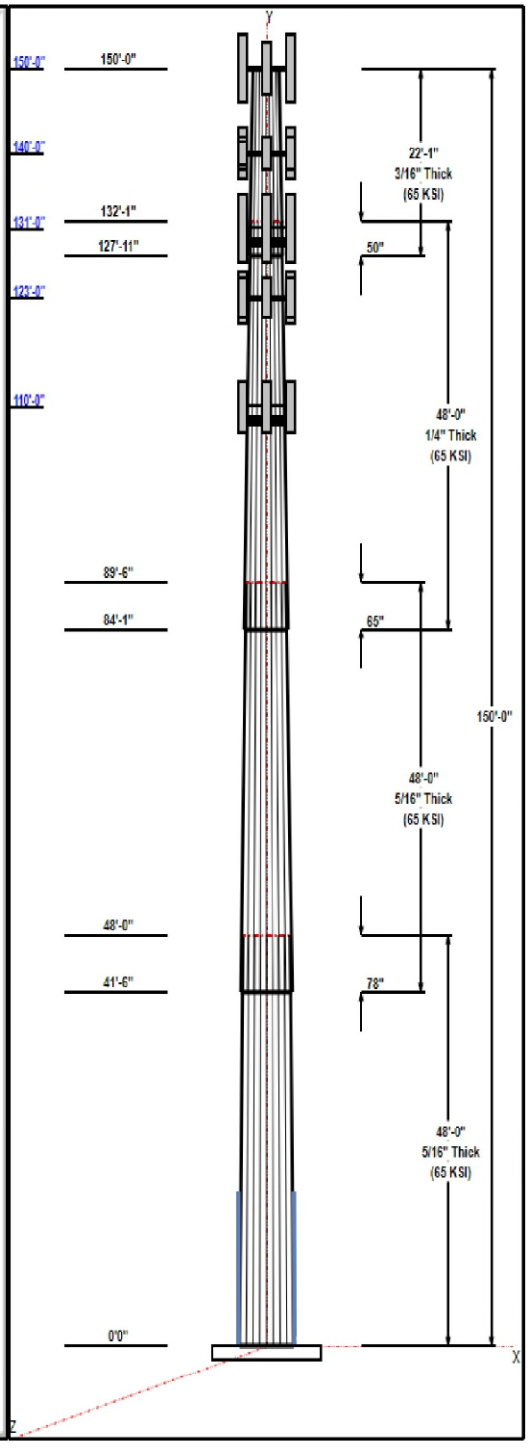
Dead Load Factor:	1.20	**Iterations:**	22
Wind Load Factor:	1.60		

Load Case : 1.2D + 1.6W 93 mph Wind





Structure: CT10022-A-SBA

Type: Tapered
Site Name: Simsbury 2, CT
Height: 150.00 (ft)
Base Elev: 0.00 (ft)

Base Shape: 18 Sided
Taper: 0.23136

2/21/2022

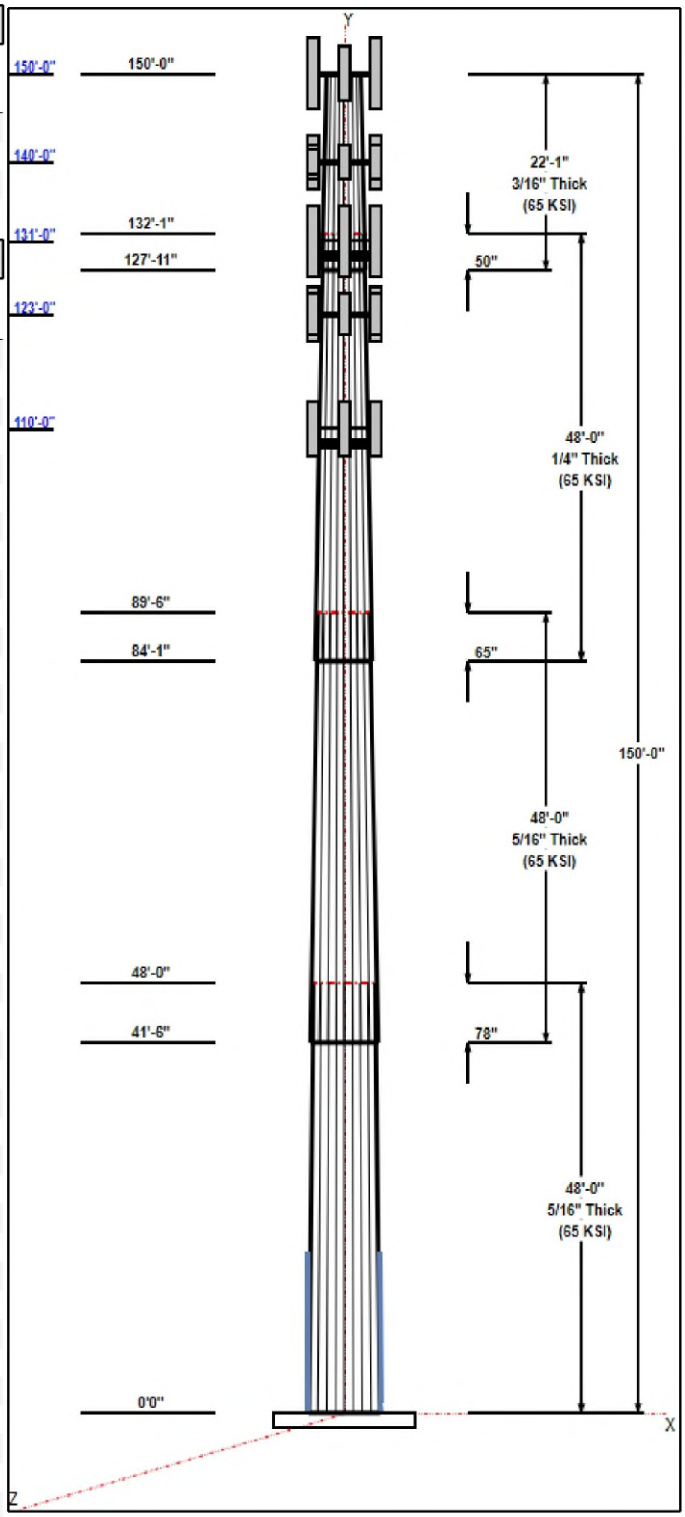
Tower Engineering Solutions

Shaft Properties

Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	48.00	50.39	61.50	0.313		0.23136	65
2	48.00	41.42	52.52	0.313	Slip	0.23136	65
3	48.00	32.07	43.17	0.250	Slip	0.23136	65
4	22.08	28.30	33.41	0.188	Slip	0.23136	65

Discrete Appurtenances

Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
150.00	150.73	3	800 10121	AT&T
150.00	150.00	2	TPA-65R-LCUUUU-H8	AT&T
150.00	150.00	1	QS66512-2	AT&T
150.00	150.00	2	HPA-65R-BUU-H8	AT&T
150.00	150.00	1	Low Profile	AT&T
150.00	150.00	6	DTMABP7819VG12A	AT&T
150.00	150.00	6	TPX-070821	AT&T
150.00	150.00	3	RRUS-11	AT&T
150.00	150.00	3	RRUS-32	AT&T
150.00	150.00	3	RRUS-32	AT&T
150.00	150.00	3	4426 B66	AT&T
150.00	150.00	3	DBC-750	AT&T
150.00	150.00	2	DC6-48-60-18-8F	AT&T
150.00	150.00	3	Cci HPA-65R-BUU-H6	AT&T
150.00	150.00	3	Ericsson 4426 B66	AT&T
150.00	150.00	3	Ericsson 4478 B5	AT&T
150.00	150.00	3	ABT-DFDM-ADB	AT&T
150.00	150.00	1	LMU Antenna	AT&T
140.00	140.00	3	Antel	Verizon
140.00	140.00	6	Andrew SBNHH-1D65B	Verizon
140.00	140.00	1	Low Profile Platform	Verizon
140.00	140.00	3	CBRS RRH-RT4401	Verizon
140.00	140.00	3	XXDWMM-12.5-65-8T-CB	Verizon
140.00	140.00	3	BSAMNT-SBS-2-2	Verizon
140.00	140.00	3	B2/B66A RRHBR049	Verizon
140.00	140.00	3	B5/B13 RRHBR04C	Verizon
140.00	140.00	2	RVZDC-6627-PF48	Verizon
140.00	140.00	1	SamsungMT6407-77A	Verizon
131.00	131.00	3	APXVAALL24-43-U-NA20	T-Mobile
131.00	131.00	3	AIR6449 B41	T-Mobile
131.00	131.00	3	AIR32	T-Mobile
131.00	131.00	1	PV-LPPGS-12M-HR2-AP3	T-Mobile
131.00	131.00	3	KRY 112 144-1 Double	T-Mobile
131.00	131.00	3	ATMAA1412D-1A20 TMA	T-Mobile
131.00	131.00	3	SDX1926Q-43 Diplexer	T-Mobile
131.00	131.00	3	Radio 4449 B71+B85	T-Mobile
131.00	131.00	3	Ericsson 4415 B25	T-Mobile
131.00	131.00	3	Bias-T 782 11056	T-Mobile
123.00	123.00	3	APXVTM14-C-I20	Sprint Nextel
123.00	123.00	2	APXVSPP18-C-A20	Sprint Nextel
123.00	123.00	3	ALU - TD-RRH8x20-25 -	Sprint Nextel
123.00	123.00	3	ALU - 1900 MHz RRH -	Sprint Nextel
123.00	123.00	1	APXVSPP18-C-A20 (50 lb)	Sprint Nextel
123.00	123.00	3	ALU - 800 MHz Filter	Sprint Nextel
123.00	123.00	3	ALU - 800 MHz RRH -	Sprint Nextel



123.00	123.00	4	RFS - ACU-A20-N - RET	Sprint Nextel
123.00	123.00	1	Platform w/ HRK Handrail	Sprint Nextel
110.00	110.00	3	JMA Wireless	Dish Wireless
110.00	110.00	1	MC-PK8-DSH	Dish Wireless
110.00	110.00	3	Fujitsu TA08025-B605	Dish Wireless
110.00	110.00	3	Fujitsu TA08025-B604	Dish Wireless
110.00	110.00	1	Raycap	Dish Wireless

Linear Appurtenances

Elev From (ft)	Elev To (ft)	Placement	Description	Carrier
0.00	150.00	Inside	1 5/8" Coax	AT&T
0.00	150.00	Inside	3" Conduit	AT&T
0.00	141.00	Inside	1 5/8" Coax	Verizon
0.00	141.00	Inside	1 5/8" Hybrid	Verizon
0.00	141.00	Inside	1/2" Coax	Verizon
0.00	131.00	Inside	1 5/8" Hybrid	T-Mobile
0.00	131.00	Inside	7/8" Coax	T-Mobile
0.00	123.00	Inside	1-1/4" Fiber	Sprint Nextel
0.00	110.00	Outside	1.60" Hybrid	Dish Wireless
0.00	20.00	Outside	1.25" Reinforcing plate	

Anchor Bolts

Qty	Specifications	Grade (ksi)	Arrangement
14	2.25" 18J	75.0	Radial

Base Plate

Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
2.0000	73.5	50.0	Round

Reactions

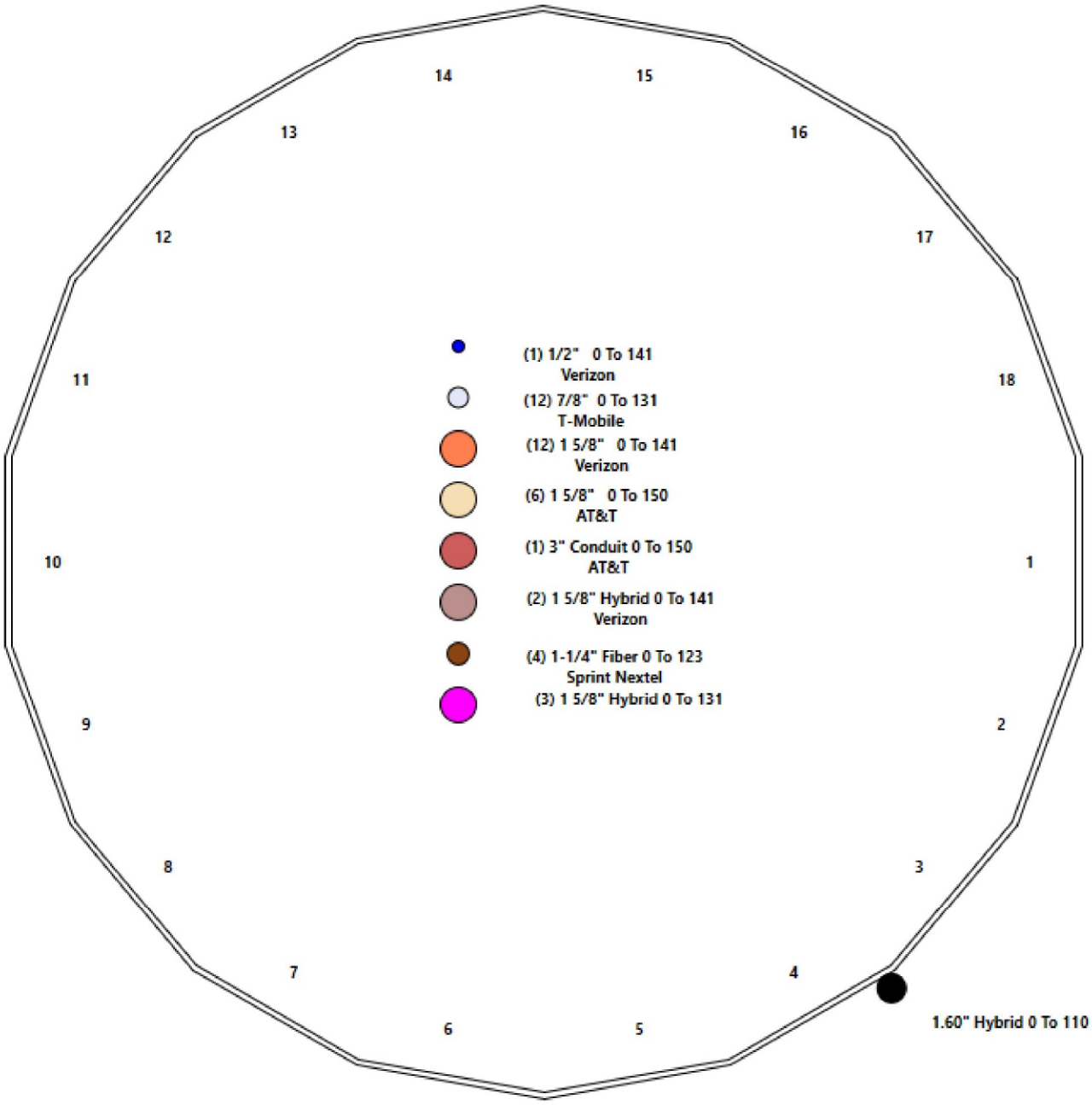
Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.6W 93 mph Wind	4276.7	37.5	51.6
0.9D + 1.6W 93 mph Wind	4231.4	37.5	38.7
1.2D + 1.0Di + 1.0Wi 50 mph Wind	1413.8	12.2	95.7
1.2D + 1.0E	297.0	2.3	51.6
0.9D + 1.0E	293.6	2.3	38.7
1.0D + 1.0W 60 mph Wind	1105.9	9.8	43.0

Structure: CT10022-A-SBA - Coax Line Placement

Type: Monopole
Site Name: Simsbury 2, CT
Height: 150.00 (ft)

2/21/2022

Tower Engineering Solutions



Shaft Properties

Structure:	CT10022-A-SBA		**Code:**	TIA-222-G	2/21/2022
Site Name:	Simsbury 2, CT		**Exposure:**	C	
Height:	150.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 5

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Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	18	48.000	0.3125	65		0.00	9,013
2	18	48.000	0.3125	65	Slip	78.00	7,559
3	18	48.000	0.2500	65	Slip	65.00	4,843
4	18	22.083	0.1875	65	Slip	50.00	1,371
					Total Shaft Weight:		**22,786**

	Bottom						Top						
Sec. No.	Dia (in)	Elev (ft)	Area (sqin)	Ix (in^4)	W/t Ratio	D/t Ratio	Dia (in)	Elev (ft)	Area (sqin)	Ix (in^4)	W/t Ratio	D/t Ratio	Taper
1	61.50	0.00	60.69	28706.65	33.29	196.80	50.39	48.00	49.67	15741.4	27.02	161.2	0.231360
2	52.52	41.50	51.78	17835.36	28.23	168.08	41.42	89.50	40.77	8703.68	21.96	132.5	0.231360
3	43.17	84.08	34.06	7926.99	29.04	172.69	32.07	132.08	25.25	3228.71	21.21	128.2	0.231360
4	33.41	127.9	19.77	2755.84	30.00	178.16	28.30	150.00	16.73	1669.78	25.20	150.9	0.231360

Additional Steel

							Intermediate Connectors		Termination Connectors			
Elev From (ft)	Elev To (ft)	Qty	Description	Fy (ksi)	Fu (ksi)	Offset (in)	Description	Spacing (in)	Description	Spacing (in)	Lower Qty	Upper Qty
0.00	1.00	3	SOL 2 1/4" William R71	128	150	2.88	5/8" Hollo Bolt	12.00	5/8" Hollo Bolt	3.00		
1.00	18.00	3	LNP LP6X125-B-20T	65	80	0.00	5/8" Hollo Bolt	24.00	5/8" Hollo Bolt	3.00		12

Load Summary

Structure:	CT10022-A-SBA	**Code:**	TIA-222-G	2/21/2022	
Site Name:	Simsbury 2, CT	**Exposure:**	C		
Height:	150.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 6	

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Discrete Appurtenances

				No Ice			Ice				
No.	Elev (ft)	Description	Qty	Weight (lb)	CaAa (sf)	CaAa Factor	Weight (lb)	CaAa (sf)	CaAa Factor	Hor. Ecc. (ft)	Vert Ecc (ft)
1	150.00	800 10121	3	46.30	5.15	0.79	199.46	7.959	0.79	0.00	0.73
2	150.00	TPA-65R-LCUUUU-H8	2	75.00	13.30	0.83	513.48	15.540	0.83	0.00	0.00
3	150.00	QS66512-2	1	111.00	8.13	1.00	431.90	9.900	1.00	0.00	0.00
4	150.00	HPA-65R-BUU-H8	2	68.00	12.98	0.79	477.60	15.177	0.79	0.00	0.00
5	150.00	Low Profile Platform-Round	1	1500.00	22.00	1.00	3245.22	45.549	1.00	0.00	0.00
6	150.00	DTMABP7819VG12A	6	19.20	1.14	0.50	53.23	2.166	0.50	0.00	0.00
7	150.00	TPX-070821	6	7.50	0.47	0.50	24.35	0.927	0.50	0.00	0.00
8	150.00	RRUS-11	3	50.00	2.79	0.50	147.03	3.725	0.50	0.00	0.00
9	150.00	RRUS-32	3	53.00	3.01	0.50	83.09	1.264	0.50	0.00	0.00
10	150.00	RRUS-32	3	77.00	0.66	0.50	83.09	1.264	0.50	0.00	0.00
11	150.00	4426 B66	3	48.40	1.64	0.50	533.59	9.028	0.50	0.00	0.00
12	150.00	DBC-750	3	4.80	0.51	0.50	17.69	1.216	0.50	0.00	0.00
13	150.00	DC6-48-60-18-8F	2	31.80	0.92	0.67	114.23	1.504	0.67	0.00	0.00
14	150.00	Cci HPA-65R-BUU-H6	3	51.00	9.66	0.85	400.05	11.517	0.85	0.00	0.00
15	150.00	Ericsson 4426 B66	3	48.50	1.15	0.50	107.06	1.808	0.50	0.00	0.00
16	150.00	Ericsson 4478 B5	3	59.90	1.84	0.50	125.08	2.571	0.50	0.00	0.00
17	150.00	ABT-DFDM-ADB	3	1.10	0.05	0.50	4.07	0.307	0.50	0.00	0.00
18	150.00	LMU Antenna	1	8.50	1.67	1.00	8.51	1.672	1.00	0.00	0.00
19	140.00	Antel BXA-70080-4CF-EDIN-0	3	30.30	3.56	0.88	325.74	6.005	0.88	0.00	0.00
20	140.00	Andrew SBNHH-1D65B	6	72.70	8.08	0.78	355.83	9.800	0.78	0.00	0.00
21	140.00	Low Profile Platform	1	1500.00	22.00	1.00	3233.22	45.387	1.00	0.00	0.00
22	140.00	CBRS RRH-RT4401	3	15.20	0.85	0.50	41.25	1.762	0.50	0.00	0.00
23	140.00	XXDWMM-12.5-65-8T-CBRS	3	23.10	1.18	0.50	107.36	2.213	0.50	0.00	0.00
24	140.00	BSAMNT-SBS-2-2	3	67.00	3.50	1.00	190.87	8.353	1.00	0.00	0.00
25	140.00	B2/B66A RRHBR049	3	132.20	6.51	0.50	391.04	8.087	0.50	0.00	0.00
26	140.00	B5/B13 RRHBR04C	3	70.40	1.88	0.50	139.51	2.610	0.50	0.00	0.00
27	140.00	RVZDC-6627-PF48	2	32.00	3.79	1.00	209.98	4.887	1.00	0.00	0.00
28	140.00	SamsungMT6407-77A	1	79.40	4.69	0.70	248.68	5.963	0.75	0.00	0.00
29	131.00	APXVAALL24-43-U-NA20	3	122.80	20.24	0.70	707.75	22.769	0.70	0.00	0.00
30	131.00	AIR6449 B41	3	103.00	5.65	0.71	283.37	6.900	0.71	0.00	0.00
31	131.00	AIR32 KRD901146-1_B66A_B2A	3	132.20	6.51	0.87	388.92	8.076	0.87	0.00	0.00
32	131.00	PV-LPPGS-12M-HR2-AP3	1	2155.00	34.10	1.00	5123.28	65.413	1.00	0.00	0.00
33	131.00	KRY 112 144-1 Double	3	11.00	0.41	0.50	25.18	1.035	0.50	0.00	0.00
34	131.00	ATMAA1412D-1A20 TMA	3	13.00	1.17	0.50	47.96	2.199	0.50	0.00	0.00
35	131.00	SDX1926Q-43 Diplexer	3	6.00	0.29	0.50	18.89	0.842	0.50	0.00	0.00
36	131.00	Radio 4449 B71+B85	3	73.20	1.97	0.50	149.15	2.719	0.50	0.00	0.00
37	131.00	Ericsson 4415 B25	3	46.00	1.64	0.50	100.07	2.318	0.50	0.00	0.00
38	131.00	Bias-T 782 11056	3	1.50	0.13	0.50	7.35	0.520	0.50	0.00	0.00
39	123.00	APXVTM14-C-I20	3	55.00	6.34	0.79	277.88	7.824	0.79	0.00	0.00
40	123.00	APXVSPP18-C-A20	2	57.00	8.02	0.83	282.94	11.672	0.83	0.00	0.00
41	123.00	ALU - TD-RRH8x20-25 - RRU	3	70.00	4.05	0.50	223.81	5.138	0.50	0.00	0.00
42	123.00	ALU - 1900 MHz RRH - RRU	3	60.00	2.71	0.50	165.56	4.362	0.50	0.00	0.00
43	123.00	APXVSPP18-C-A20 (50 lb)	1	50.00	8.02	1.00	248.19	11.672	1.00	0.00	0.00
44	123.00	ALU - 800 MHz Filter	3	8.80	0.78	0.67	31.86	1.626	0.67	0.00	0.00
45	123.00	ALU - 800 MHz RRH - RRU	3	53.00	2.49	0.50	149.68	3.985	0.50	0.00	0.00
46	123.00	RFS - ACU-A20-N - RET	4	1.00	0.14	0.50	6.62	0.528	0.50	0.00	0.00
47	123.00	Platform w/ HRK Handrail Kit	1	1600.00	32.00	1.00	3424.98	65.580	1.00	0.00	0.00
48	110.00	JMA Wireless MX08FRO665-21	3	64.50	12.49	0.74	440.48	14.383	0.74	0.00	0.00
49	110.00	MC-PK8-DSH	1	1727.00	37.59	1.00	3908.72	98.645	1.00	0.00	0.00
50	110.00	Fujitsu TA08025-B605 RRU	3	75.00	1.96	0.50	142.61	2.685	0.50	0.00	0.00

Discrete Appurtenances

No.	Elev (ft)	Description	Qty	No Ice Weight (lb)	No Ice CaAa (sf)	No Ice CaAa Factor	Ice Weight (lb)	Ice CaAa (sf)	Ice CaAa Factor	Hor. Ecc. (ft)	Vert Ecc (ft)
51	110.00	Fujitsu TA08025-B604 RRU	3	63.90	1.96	0.50	129.34	2.685	0.50	0.00	0.00
52	110.00	Raycap RDIDC-9181-PF-48-OVP	1	21.90	2.01	1.00	90.73	2.745	1.00	0.00	0.00
		Totals:	**141**	**15,092.10**			**44,344.33**				

Linear Appurtenances

Bottom Elev. (ft)	Top Elev. (ft)	Description	Exposed Width	Exposed
0.00	150.00	(6) 1 5/8" Coax	0.00	Inside
0.00	150.00	(1) 3" Conduit	0.00	Inside
0.00	141.00	(12) 1 5/8" Coax	0.00	Inside
0.00	141.00	(2) 1 5/8" Hybrid	0.00	Inside
0.00	141.00	(1) 1/2" Coax	0.00	Inside
0.00	131.00	(3) 1 5/8" Hybrid	0.00	Inside
0.00	131.00	(12) 7/8" Coax	0.00	Inside
0.00	123.00	(4) 1-1/4" Fiber	0.00	Inside
0.00	110.00	(1) 1.60" Hybrid	1.60	Outside
0.00	20.00	(3) 1.25" Reinforcing plate	1.25	Outside

Shaft Section Properties

Structure:	CT10022-A-SBA	**Code:**	TIA-222-G	2/21/2022	
Site Name:	Simsbury 2, CT	**Exposure:**	C		
Height:	150.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 8	

Tower Engineering Solutions

Increment Length: **5 (ft)**

											Additional Reinforcing			
Elev (ft)	**Description**	**Thick (in)**	**Flat Dia (in)**	**Area (in^2)**	**Ix (in^4)**	**W/t Ratio**	**D/t Ratio**	**Fy (ksi)**	**Fb (ksi)**	**Weight (lb)**	**Area (in^2)**	**Ixp (in^4)**	**Iyp (in^4)**	**Weight (lb)**
0.00	RB1	0.3125	61.500	60.688	28706.7	33.29	196.80	65	62	0.0	12.24	7396.2	7396.2	
1.00	RT1 RB2	0.3125	61.269	60.459	28382.2	33.16	196.06	65	62	206.1	22.50	11028.1	11028.1	76.6
5.00		0.3125	60.343	59.541	27109.1	32.64	193.10	65	63	816.7	22.50	10705.1	10705.1	306.2
10.00		0.3125	59.186	58.393	25571.9	31.99	189.40	65	64	1003.3	22.50	10308.0	10308.0	382.8
15.00		0.3125	58.030	57.246	24093.9	31.33	185.69	65	65	983.7	22.50	9918.5	9918.5	382.8
18.00	RT2	0.3125	57.336	56.558	23235.1	30.94	183.47	65	65	580.9	22.50	9688.5	9688.5	229.7
20.00		0.3125	56.873	56.099	22674.1	30.68	181.99	65	65	383.3				
25.00		0.3125	55.716	54.951	21311.1	30.03	178.29	65	66	944.7				
30.00		0.3125	54.559	53.804	20003.9	29.37	174.59	65	67	925.2				
35.00		0.3125	53.402	52.657	18751.2	28.72	170.89	65	68	905.7				
40.00		0.3125	52.246	51.509	17552.0	28.07	167.19	65	68	886.1				
41.50	Bot - Section 2	0.3125	51.899	51.165	17202.5	27.87	166.08	65	69	262.0				
45.00		0.3125	51.089	50.362	16405.0	27.42	163.48	65	69	1216.5				
48.00	Top - Section 1	0.3125	51.020	50.293	16338.2	27.38	163.26	65	69	1027.5				
50.00		0.3125	50.557	49.834	15895.0	27.12	161.78	65	70	340.7				
55.00		0.3125	49.400	48.687	14822.2	26.46	158.08	65	70	838.1				
60.00		0.3125	48.243	47.540	13798.8	25.81	154.38	65	71	818.6				
65.00		0.3125	47.087	46.392	12823.6	25.16	150.68	65	72	799.1				
70.00		0.3125	45.930	45.245	11895.5	24.51	146.98	65	73	779.6				
75.00		0.3125	44.773	44.098	11013.3	23.85	143.27	65	73	760.0				
80.00		0.3125	43.616	42.950	10175.8	23.20	139.57	65	74	740.5				
84.08	Bot - Section 3	0.3125	42.671	42.013	9524.3	22.67	136.55	65	75	590.3				
85.00		0.3125	42.459	41.803	9381.9	22.55	135.87	65	75	236.7				
89.50	Top - Section 2	0.2500	41.918	33.063	7252.7	28.15	167.67	65	68	1144.8				
90.00		0.2500	41.803	32.971	7192.5	28.07	167.21	65	68	56.2				
95.00		0.2500	40.646	32.053	6608.3	27.26	162.58	65	69	553.2				
100.00		0.2500	39.489	31.135	6056.7	26.44	157.96	65	70	537.5				
105.00		0.2500	38.332	30.217	5536.7	25.63	153.33	65	71	521.9				
110.00		0.2500	37.175	29.299	5047.3	24.81	148.70	65	72	506.3				
115.00		0.2500	36.019	28.381	4587.6	23.99	144.07	65	73	490.7				
120.00		0.2500	34.862	27.463	4156.8	23.18	139.45	65	74	475.1				
123.00		0.2500	34.168	26.913	3911.7	22.69	136.67	65	75	277.5				
125.00		0.2500	33.705	26.546	3753.8	22.36	134.82	65	75	181.9				
127.92	Bot - Section 4	0.2500	33.030	26.010	3531.2	21.89	132.12	65	76	260.8				
130.00		0.2500	32.548	25.628	3377.7	21.55	130.19	65	76	322.2				
131.00		0.2500	32.317	25.444	3305.6	21.38	129.27	65	76	152.9				
132.08	Top - Section 3	0.1875	32.441	19.194	2522.8	29.10	173.02	65	67	164.5				
135.00		0.1875	31.766	18.793	2367.8	28.46	169.42	65	68	188.5				
140.00		0.1875	30.610	18.104	2117.0	27.37	163.25	65	69	313.9				
145.00		0.1875	29.453	17.416	1884.5	26.29	157.08	65	70	302.2				
150.00		0.1875	28.296	16.727	1669.8	25.20	150.91	65	72	290.5				
									Total Weight	**22785.8**				**1378.1**

Wind Loading - Shaft

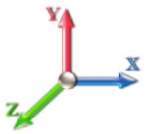
Structure:	CT10022-A-SBA	**Code:**	TIA-222-G	2/21/2022	
Site Name:	Simsbury 2, CT	**Exposure:**	C		
Height:	150.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 9	

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 93 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 22

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00	RB1	1.00	0.85	17.879	19.67	446.21	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
1.00	RT1 RB2	1.00	0.85	17.879	19.67	444.53	0.650	0.000	1.00	5.194	3.38	106.2	0.0	247.3
5.00		1.00	0.85	17.879	19.67	437.81	0.650	0.000	4.00	20.581	13.38	421.0	0.0	980.0
10.00		1.00	0.85	17.879	19.67	429.42	0.650	0.000	5.00	25.286	16.44	517.2	0.0	1203.9
15.00		1.00	0.85	17.879	19.67	421.03	0.650	0.000	5.00	24.797	16.12	507.2	0.0	1180.5
18.00	RT2	1.00	0.88	18.554	20.41	423.77	0.650	0.000	3.00	14.643	9.52	310.8	0.0	697.0
20.00		1.00	0.90	18.971	20.87	425.04	0.650	0.000	2.00	9.664	6.28	209.7	0.0	460.0
25.00		1.00	0.95	19.883	21.87	426.29	0.650	0.000	5.00	23.818	15.48	541.8	0.0	1133.6
30.00		1.00	0.98	20.661	22.73	425.53	0.650	0.000	5.00	23.328	15.16	551.4	0.0	1110.2
35.00		1.00	1.01	21.343	23.48	423.32	0.650	0.000	5.00	22.839	14.85	557.6	0.0	1086.8
40.00		1.00	1.04	21.951	24.15	420.01	0.650	0.000	5.00	22.350	14.53	561.2	0.0	1063.4
41.50	Bot - Section 2	1.00	1.05	22.122	24.33	418.84	0.650	0.000	1.50	6.609	4.30	167.3	0.0	314.4
45.00		1.00	1.07	22.502	24.75	415.84	0.650	0.000	3.50	15.436	10.03	397.4	0.0	1459.8
48.00	Top - Section 1	1.00	1.08	22.810	25.09	412.98	0.650	0.000	3.00	13.040	8.48	340.3	0.0	1233.0
50.00		1.00	1.09	23.007	25.31	416.10	0.650	0.000	2.00	8.595	5.59	226.2	0.0	408.9
55.00		1.00	1.12	23.473	25.82	410.68	0.650	0.000	5.00	21.146	13.74	567.8	0.0	1005.7
60.00		1.00	1.14	23.907	26.30	404.75	0.650	0.000	5.00	20.656	13.43	564.9	0.0	982.3
65.00		1.00	1.16	24.313	26.74	398.39	0.650	0.000	5.00	20.167	13.11	560.9	0.0	958.9
70.00		1.00	1.17	24.696	27.17	391.64	0.650	0.000	5.00	19.677	12.79	555.9	0.0	935.5
75.00		1.00	1.19	25.057	27.56	384.56	0.650	0.000	5.00	19.188	12.47	550.0	0.0	912.0
80.00		1.00	1.21	25.400	27.94	377.18	0.650	0.000	5.00	18.698	12.15	543.3	0.0	888.6
84.08	Bot - Section 3	1.00	1.22	25.667	28.23	370.95	0.650	0.000	4.08	14.907	9.69	437.7	0.0	708.3
85.00		1.00	1.22	25.726	28.30	369.53	0.650	0.000	0.92	3.340	2.17	98.3	0.0	284.0
89.50	Top - Section 2	1.00	1.24	26.007	28.61	362.43	0.650	0.000	4.50	16.160	10.50	480.8	0.0	1373.8
90.00		1.00	1.24	26.037	28.64	366.01	0.650	0.000	0.50	1.771	1.15	52.8	0.0	67.4
95.00		1.00	1.25	26.336	28.97	357.91	0.650	0.000	5.00	17.442	11.34	525.5	0.0	663.8
100.00		1.00	1.27	26.621	29.28	349.61	0.650	0.000	5.00	16.952	11.02	516.3	0.0	645.0
105.00		1.00	1.28	26.896	29.59	341.11	0.650	0.000	5.00	16.463	10.70	506.6	0.0	626.3
110.00	Appurtenance(s)	1.00	1.29	27.161	29.88	332.44	0.650	0.000	5.00	15.973	10.38	496.3	0.0	607.6
115.00		1.00	1.30	27.416	30.16	323.61	0.650	0.000	5.00	15.484	10.06	485.6	0.0	588.8
120.00		1.00	1.32	27.663	30.43	314.62	0.650	0.000	5.00	14.995	9.75	474.5	0.0	570.1
123.00	Appurtenance(s)	1.00	1.32	27.807	30.59	309.16	0.650	0.000	3.00	8.762	5.70	278.7	0.0	333.1
125.00		1.00	1.33	27.902	30.69	305.49	0.650	0.000	2.00	5.743	3.73	183.3	0.0	218.3
127.92	Bot - Section 4	1.00	1.33	28.038	30.84	300.10	0.650	0.000	2.92	8.235	5.35	264.1	0.0	313.0
130.00		1.00	1.34	28.133	30.95	296.23	0.650	0.000	2.08	5.846	3.80	188.2	0.0	386.6
131.00	Appurtenance(s)	1.00	1.34	28.179	31.00	294.36	0.650	0.000	1.00	2.776	1.80	89.5	0.0	183.5
132.08	Top - Section 3	1.00	1.34	28.228	31.05	292.33	0.650	0.000	1.08	2.985	1.94	96.4	0.0	197.4
135.00		1.00	1.35	28.358	31.19	290.26	0.650	0.000	2.92	7.923	5.15	257.0	0.0	226.2
140.00	Appurtenance(s)	1.00	1.36	28.576	31.43	280.76	0.650	0.000	5.00	13.195	8.58	431.4	0.0	376.7
145.00		1.00	1.37	28.788	31.67	271.15	0.650	0.000	5.00	12.706	8.26	418.4	0.0	362.6
150.00	Appurtenance(s)	1.00	1.38	28.994	31.89	261.43	0.650	0.000	5.00	12.217	7.94	405.2	0.0	348.5
								Totals:	**150.00**			**15,445.0**		**27,342.9**

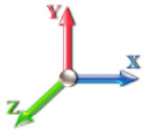
Discrete Appurtenance Forces

Structure:	CT10022-A-SBA	**Code:**	TIA-222-G	2/21/2022	
Site Name:	Simsbury 2, CT	**Exposure:**	C		
Height:	150.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 10	

Load Case: 1.2D + 1.6W 93 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 22

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	150.00	RRUS-32	3	28.994	31.893	0.45	0.90	4.06	190.80	0.000	0.000	207.36	0.00	0.00
2	150.00	800 10121	3	29.023	31.926	0.71	0.90	10.98	166.68	0.000	0.730	561.12	0.00	409.62
3	150.00	TPA-65R-LCUUUU-H8	2	28.994	31.893	0.75	0.90	19.87	180.00	0.000	0.000	1013.96	0.00	0.00
4	150.00	QS66512-2	1	28.994	31.893	1.00	1.00	8.13	133.20	0.000	0.000	414.87	0.00	0.00
5	150.00	HPA-65R-BUU-H8	2	28.994	31.893	0.71	0.90	18.46	163.20	0.000	0.000	941.87	0.00	0.00
6	150.00	Low Profile	1	28.994	31.893	1.00	1.00	22.00	1800.00	0.000	0.000	1122.64	0.00	0.00
7	150.00	DTMABP7819VG12A	6	28.994	31.893	0.45	0.90	3.08	138.24	0.000	0.000	157.07	0.00	0.00
8	150.00	TPX-070821	6	28.994	31.893	0.45	0.90	1.27	54.00	0.000	0.000	64.76	0.00	0.00
9	150.00	RRUS-11	3	28.994	31.893	0.45	0.90	3.77	180.00	0.000	0.000	192.20	0.00	0.00
10	150.00	LMU Antenna	1	28.994	31.893	1.00	1.00	1.67	10.20	0.000	0.000	85.22	0.00	0.00
11	150.00	Cci HPA-65R-BUU-H6	3	28.994	31.893	0.77	0.90	22.17	183.60	0.000	0.000	1131.30	0.00	0.00
12	150.00	ABT-DFDM-ADB	3	28.994	31.893	0.45	0.90	0.07	3.96	0.000	0.000	3.44	0.00	0.00
13	150.00	Ericsson 4478 B5	3	28.994	31.893	0.45	0.90	2.48	215.64	0.000	0.000	126.76	0.00	0.00
14	150.00	Ericsson 4426 B66	3	28.994	31.893	0.45	0.90	1.55	174.60	0.000	0.000	79.22	0.00	0.00
15	150.00	RRUS-32	3	28.994	31.893	0.45	0.90	0.89	277.20	0.000	0.000	45.47	0.00	0.00
16	150.00	DBC-750	3	28.994	31.893	0.45	0.90	0.69	17.28	0.000	0.000	35.13	0.00	0.00
17	150.00	4426 B66	3	28.994	31.893	0.45	0.90	2.21	174.24	0.000	0.000	112.98	0.00	0.00
18	150.00	DC6-48-60-18-8F	2	28.994	31.893	0.60	0.90	1.11	76.32	0.000	0.000	56.62	0.00	0.00
19	140.00	BSAMNT-SBS-2-2	3	28.576	31.433	1.00	1.00	10.50	241.20	0.000	0.000	528.08	0.00	0.00
20	140.00	Low Profile Platform	1	28.576	31.433	1.00	1.00	22.00	1800.00	0.000	0.000	1106.45	0.00	0.00
21	140.00	CBRS RRH-RT4401	3	28.576	31.433	0.38	0.75	0.96	54.72	0.000	0.000	48.09	0.00	0.00
22	140.00	XXDWMM-12.5-65-8T-CB	3	28.576	31.433	0.38	0.75	1.33	83.16	0.000	0.000	66.76	0.00	0.00
23	140.00	B5/B13 RRHBR04C	3	28.576	31.433	0.38	0.75	2.11	253.44	0.000	0.000	106.37	0.00	0.00
24	140.00	B2/B66A RRHBR049	3	28.576	31.433	0.38	0.75	7.32	475.92	0.000	0.000	368.33	0.00	0.00
25	140.00	RVZDC-6627-PF48	2	28.576	31.433	1.00	1.00	7.58	76.80	0.000	0.000	381.22	0.00	0.00
26	140.00	SamsungMT6407-77A	1	28.576	31.433	0.52	0.75	2.46	95.28	0.000	0.000	123.83	0.00	0.00
27	140.00	Andrew SBNHH-1D65B	6	28.576	31.433	0.58	0.75	28.36	523.44	0.000	0.000	1426.35	0.00	0.00
28	140.00	Antel	3	28.576	31.433	0.66	0.75	7.05	109.08	0.000	0.000	354.51	0.00	0.00
29	131.00	APXVAALL24-43-U-NA20	3	28.179	30.997	0.52	0.75	31.88	442.08	0.000	0.000	1580.97	0.00	0.00
30	131.00	AIR6449 B41	3	28.179	30.997	0.53	0.75	9.03	370.80	0.000	0.000	447.63	0.00	0.00
31	131.00	AIR32	3	28.179	30.997	0.65	0.75	12.74	475.92	0.000	0.000	632.00	0.00	0.00
32	131.00	PV-LPPGS-12M-HR2-AP3	1	28.179	30.997	1.00	1.00	34.10	2586.00	0.000	0.000	1691.17	0.00	0.00
33	131.00	KRY 112 144-1 Double	3	28.179	30.997	0.38	0.75	0.46	39.60	0.000	0.000	22.88	0.00	0.00
34	131.00	ATMAA1412D-1A20 TMA	3	28.179	30.997	0.38	0.75	1.32	46.80	0.000	0.000	65.28	0.00	0.00
35	131.00	SDX1926Q-43 Diplexer	3	28.179	30.997	0.38	0.75	0.33	21.60	0.000	0.000	16.18	0.00	0.00
36	131.00	Radio 4449 B71+B85	3	28.179	30.997	0.38	0.75	2.22	263.52	0.000	0.000	109.91	0.00	0.00
37	131.00	Ericsson 4415 B25	3	28.179	30.997	0.38	0.75	1.84	165.60	0.000	0.000	91.50	0.00	0.00
38	131.00	Bias-T 782 11056	3	28.179	30.997	0.38	0.75	0.15	5.40	0.000	0.000	7.25	0.00	0.00
39	123.00	ALU - TD-RRH8x20-25 -	3	27.807	30.588	0.38	0.75	4.56	252.00	0.000	0.000	222.99	0.00	0.00
40	123.00	APXVSPP18-C-A20	2	27.807	30.588	0.62	0.75	9.98	136.80	0.000	0.000	488.67	0.00	0.00
41	123.00	ALU - 1900 MHz RRH -	3	27.807	30.588	0.38	0.75	3.05	216.00	0.000	0.000	149.21	0.00	0.00
42	123.00	APXVTM14-C-I20	3	27.807	30.588	0.59	0.75	11.27	198.00	0.000	0.000	551.53	0.00	0.00
43	123.00	RFS - ACU-A20-N - RET	4	27.807	30.588	0.38	0.75	0.21	4.80	0.000	0.000	10.28	0.00	0.00
44	123.00	APXVSPP18-C-A20 (50	1	27.807	30.588	0.75	0.75	6.01	60.00	0.000	0.000	294.38	0.00	0.00
45	123.00	ALU - 800 MHz Filter	3	27.807	30.588	0.50	0.75	1.18	31.68	0.000	0.000	57.55	0.00	0.00
46	123.00	ALU - 800 MHz RRH -	3	27.807	30.588	0.38	0.75	2.80	190.80	0.000	0.000	137.10	0.00	0.00
47	123.00	Platform w/ HRK Handrail	1	27.807	30.588	1.00	1.00	32.00	1920.00	0.000	0.000	1566.11	0.00	0.00

Discrete Appurtenance Forces

Structure:	CT10022-A-SBA	**Code:**	TIA-222-G	2/21/2022	
Site Name:	Simsbury 2, CT	**Exposure:**	C		
Height:	150.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 11	

48	110.00	Raycap	1	27.161	29.877	0.75	0.75	1.51	26.28	0.000	0.000	72.06	0.00	0.00
49	110.00	Fujitsu TA08025-B604	3	27.161	29.877	0.38	0.75	2.21	230.04	0.000	0.000	105.41	0.00	0.00
50	110.00	Fujitsu TA08025-B605	3	27.161	29.877	0.38	0.75	2.21	270.00	0.000	0.000	105.41	0.00	0.00
51	110.00	MC-PK8-DSH	1	27.161	29.877	1.00	1.00	37.59	2072.40	0.000	0.000	1796.93	0.00	0.00
52	110.00	JMA Wireless	3	27.161	29.877	0.55	0.75	20.80	232.20	0.000	0.000	994.11	0.00	0.00
							Totals:		**18,110.52**			**22,078.49**	

Total Applied Force Summary

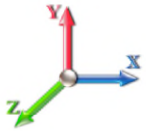
Structure:	CT10022-A-SBA		**Code:**	TIA-222-G	2/21/2022
Site Name:	Simsbury 2, CT		**Exposure:**	C	
Height:	150.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 12

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 93 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 22

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
1.00		106.24	291.80	0.00	0.00
5.00		420.97	1157.82	0.00	0.00
10.00		517.20	1426.19	0.00	0.00
15.00		507.19	1402.76	0.00	0.00
18.00		310.82	830.41	0.00	0.00
20.00		209.74	548.92	0.00	0.00
25.00		541.77	1355.91	0.00	0.00
30.00		551.40	1332.49	0.00	0.00
35.00		557.63	1309.06	0.00	0.00
40.00		561.24	1285.64	0.00	0.00
41.50		167.27	381.12	0.00	0.00
45.00		397.36	1615.44	0.00	0.00
48.00		340.27	1366.39	0.00	0.00
50.00		226.23	497.77	0.00	0.00
55.00		567.83	1228.02	0.00	0.00
60.00		564.94	1204.59	0.00	0.00
65.00		560.93	1181.17	0.00	0.00
70.00		555.92	1157.74	0.00	0.00
75.00		550.03	1134.32	0.00	0.00
80.00		543.33	1110.89	0.00	0.00
84.08		437.73	889.85	0.00	0.00
85.00		98.31	324.78	0.00	0.00
89.50		480.79	1573.81	0.00	0.00
90.00		52.76	89.64	0.00	0.00
95.00		525.48	886.06	0.00	0.00
100.00		516.28	867.32	0.00	0.00
105.00		506.55	848.58	0.00	0.00
110.00	(11) attachments	3570.25	3660.76	0.00	0.00
115.00		485.65	805.10	0.00	0.00
120.00		474.53	786.36	0.00	0.00
123.00	(23) attachments	3756.54	3472.90	0.00	0.00
125.00		183.33	295.64	0.00	0.00
127.92		264.15	425.77	0.00	0.00
130.00		188.17	467.16	0.00	0.00
131.00	(28) attachments	4754.28	4639.53	0.00	0.00
132.08		96.41	226.85	0.00	0.00
135.00		257.04	305.62	0.00	0.00
140.00	(28) attachments	4941.37	4225.84	0.00	0.00
145.00		418.45	427.51	0.00	0.00
150.00	(51) attachments	6757.18	4534.81	0.00	409.62
	Totals:	**37,523.53**	**51,572.32**	**0.00**	**409.62**

Linear Appurtenance Segment Forces (Factored)

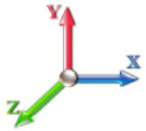
Structure:	CT10022-A-SBA	**Code:**	TIA-222-G	2/21/2022	
Site Name:	Simsbury 2, CT	**Exposure:**	C		
Height:	150.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 13	

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 93 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 22

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
1.00	1.60" Hybrid	Yes	1.00	0.000	1.60	0.13	0.00	0.046	0.000	17.879	0.00	1.20
1.00	1.25" Reinforcing	Yes	1.00	0.000	1.25	0.10	0.00	0.046	0.000	17.879	0.00	0.00
5.00	1.60" Hybrid	Yes	4.00	0.000	1.60	0.53	0.00	0.046	0.000	17.879	0.00	4.80
5.00	1.25" Reinforcing	Yes	4.00	0.000	1.25	0.42	0.00	0.046	0.000	17.879	0.00	0.00
10.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.047	0.000	17.879	0.00	6.00
10.00	1.25" Reinforcing	Yes	5.00	0.000	1.25	0.52	0.00	0.047	0.000	17.879	0.00	0.00
15.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.048	0.000	17.879	0.00	6.00
15.00	1.25" Reinforcing	Yes	5.00	0.000	1.25	0.52	0.00	0.048	0.000	17.879	0.00	0.00
18.00	1.60" Hybrid	Yes	3.00	0.000	1.60	0.40	0.00	0.049	0.000	18.554	0.00	3.60
18.00	1.25" Reinforcing	Yes	3.00	0.000	1.25	0.31	0.00	0.049	0.000	18.554	0.00	0.00
20.00	1.60" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.049	0.000	18.971	0.00	2.40
20.00	1.25" Reinforcing	Yes	2.00	0.000	1.25	0.21	0.00	0.049	0.000	18.971	0.00	0.00
25.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.028	0.000	19.883	0.00	6.00
30.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.029	0.000	20.661	0.00	6.00
35.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.029	0.000	21.343	0.00	6.00
40.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.030	0.000	21.951	0.00	6.00
41.50	1.60" Hybrid	Yes	1.50	0.000	1.60	0.20	0.00	0.030	0.000	22.122	0.00	1.80
45.00	1.60" Hybrid	Yes	3.50	0.000	1.60	0.47	0.00	0.031	0.000	22.502	0.00	4.20
48.00	1.60" Hybrid	Yes	3.00	0.000	1.60	0.40	0.00	0.031	0.000	22.810	0.00	3.60
50.00	1.60" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.031	0.000	23.007	0.00	2.40
55.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.032	0.000	23.473	0.00	6.00
60.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.032	0.000	23.907	0.00	6.00
65.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.033	0.000	24.313	0.00	6.00
70.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.034	0.000	24.696	0.00	6.00
75.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.035	0.000	25.057	0.00	6.00
80.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.036	0.000	25.400	0.00	6.00
84.08	1.60" Hybrid	Yes	4.08	0.000	1.60	0.54	0.00	0.037	0.000	25.667	0.00	4.90
85.00	1.60" Hybrid	Yes	0.92	0.000	1.60	0.12	0.00	0.037	0.000	25.726	0.00	1.10
89.50	1.60" Hybrid	Yes	4.50	0.000	1.60	0.60	0.00	0.038	0.000	26.007	0.00	5.40
90.00	1.60" Hybrid	Yes	0.50	0.000	1.60	0.07	0.00	0.038	0.000	26.037	0.00	0.60
95.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.038	0.000	26.336	0.00	6.00
100.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.039	0.000	26.621	0.00	6.00
105.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.040	0.000	26.896	0.00	6.00
110.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.042	0.000	27.161	0.00	6.00
										Totals:	**0.0**	**132.0**

Calculated Forces

Structure:	CT10022-A-SBA	**Code:**	TIA-222-G	2/21/2022	
Site Name:	Simsbury 2, CT	**Exposure:**	C		
Height:	150.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 14	

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 93 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

Iterations 22

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-51.56	-37.54	0.00	-4276.6	0.00	4276.66	3399.80	1699.90	8571.22	4291.98	0.00	0.000	0.000	0.805
1.00	-51.22	-37.50	0.00	-4239.1	0.00	4239.12	3395.30	1697.65	8527.34	4270.01	0.00	-0.034	0.000	0.726
5.00	-49.97	-37.20	0.00	-4089.1	0.00	4089.11	3376.67	1688.33	8351.12	4181.77	0.08	-0.154	0.000	0.712
10.00	-48.45	-36.80	0.00	-3903.1	0.00	3903.13	3351.94	1675.97	8129.40	4070.74	0.33	-0.304	0.000	0.694
15.00	-46.98	-36.38	0.00	-3719.1	0.00	3719.13	3325.63	1662.82	7906.28	3959.02	0.73	-0.455	0.000	0.676
18.00	-46.10	-36.13	0.00	-3609.9	0.00	3609.97	3309.09	1654.54	7771.83	3891.69	1.04	-0.547	0.000	0.665
18.00	-46.10	-36.13	0.00	-3609.9	0.00	3609.97	3309.09	1654.54	7771.83	3891.69	1.04	-0.547	0.000	0.665
20.00	-45.46	-36.02	0.00	-3537.7	0.00	3537.72	3297.74	1648.87	7681.99	3846.70	1.29	-0.609	0.000	0.934
25.00	-43.98	-35.63	0.00	-3357.6	0.00	3357.60	3268.26	1634.13	7456.75	3733.92	2.04	-0.825	0.000	0.913
30.00	-42.52	-35.22	0.00	-3179.4	0.00	3179.44	3237.20	1618.60	7230.79	3620.77	3.02	-1.043	0.000	0.892
35.00	-41.09	-34.80	0.00	-3003.3	0.00	3003.33	3204.54	1602.27	7004.35	3507.38	4.23	-1.263	0.000	0.870
40.00	-39.73	-34.31	0.00	-2829.3	0.00	2829.35	3170.31	1585.15	6777.64	3393.86	5.68	-1.484	0.000	0.847
41.50	-39.29	-34.21	0.00	-2777.8	0.00	2777.89	3159.73	1579.86	6709.61	3359.79	6.15	-1.553	0.000	0.840
45.00	-37.60	-33.86	0.00	-2658.1	0.00	2658.17	3134.49	1567.24	6550.90	3280.32	7.35	-1.710	0.000	0.823
48.00	-36.18	-33.55	0.00	-2556.6	0.00	2556.60	3132.30	1566.15	6537.37	3273.54	8.47	-1.846	0.000	0.793
50.00	-35.60	-33.40	0.00	-2489.5	0.00	2489.51	3117.49	1558.74	6446.72	3228.15	9.26	-1.937	0.000	0.783
55.00	-34.27	-32.92	0.00	-2322.5	0.00	2322.51	3079.35	1539.68	6220.34	3114.79	11.41	-2.152	0.000	0.757
60.00	-32.97	-32.43	0.00	-2157.9	0.00	2157.92	3039.63	1519.81	5994.49	3001.70	13.78	-2.367	0.000	0.730
65.00	-31.69	-31.94	0.00	-1995.7	0.00	1995.77	2998.32	1499.16	5769.39	2888.98	16.37	-2.581	0.000	0.702
70.00	-30.45	-31.44	0.00	-1836.0	0.00	1836.09	2955.43	1477.72	5545.28	2776.76	19.19	-2.794	0.000	0.672
75.00	-29.23	-30.94	0.00	-1678.8	0.00	1678.89	2910.95	1455.48	5322.38	2665.15	22.23	-3.004	0.000	0.640
80.00	-28.05	-30.43	0.00	-1524.2	0.00	1524.20	2864.89	1432.44	5100.92	2554.25	25.49	-3.211	0.000	0.607
84.08	-27.13	-29.99	0.00	-1399.9	0.00	1399.95	2826.09	1413.05	4921.28	2464.30	28.31	-3.378	0.000	0.578
85.00	-26.76	-29.92	0.00	-1372.4	0.00	1372.46	2817.24	1408.62	4881.12	2444.19	28.96	-3.416	0.000	0.571
89.50	-25.17	-29.39	0.00	-1237.8	0.00	1237.82	2031.94	1015.97	3485.43	1745.31	32.26	-3.594	0.000	0.722
90.00	-25.02	-29.39	0.00	-1223.1	0.00	1223.12	2029.15	1014.57	3470.92	1738.04	32.64	-3.614	0.000	0.717
95.00	-24.05	-28.90	0.00	-1076.2	0.00	1076.20	2000.34	1000.17	3325.82	1665.38	36.55	-3.841	0.000	0.659
100.00	-23.12	-28.41	0.00	-931.71	0.00	931.71	1969.95	984.97	3180.92	1592.82	40.69	-4.057	0.000	0.598
105.00	-22.22	-27.92	0.00	-789.68	0.00	789.68	1937.97	968.98	3036.44	1520.48	45.04	-4.260	0.000	0.532
110.00	-18.76	-24.14	0.00	-650.11	0.00	650.11	1904.40	952.20	2892.62	1448.46	49.60	-4.445	0.000	0.459
115.00	-17.94	-23.64	0.00	-529.43	0.00	529.43	1869.25	934.63	2749.69	1376.89	54.35	-4.611	0.000	0.395
120.00	-17.15	-23.13	0.00	-411.25	0.00	411.25	1832.52	916.26	2607.87	1305.87	59.25	-4.757	0.000	0.325
123.00	-13.98	-19.11	0.00	-341.86	0.00	341.86	1809.72	904.86	2523.40	1263.58	62.26	-4.834	0.000	0.279
125.00	-13.68	-18.92	0.00	-303.63	0.00	303.63	1794.20	897.10	2467.38	1235.52	64.30	-4.881	0.000	0.254
127.92	-13.26	-18.63	0.00	-248.46	0.00	248.46	1771.11	885.56	2386.14	1194.84	67.30	-4.942	0.000	0.216
130.00	-12.81	-18.41	0.00	-209.64	0.00	209.64	1754.29	877.15	2328.47	1165.96	69.46	-4.980	0.000	0.188
131.00	-8.60	-13.27	0.00	-191.24	0.00	191.24	1746.12	873.06	2300.89	1152.16	70.50	-4.997	0.000	0.171
132.08	-8.37	-13.16	0.00	-176.86	0.00	176.86	1160.48	580.24	1541.12	771.71	71.64	-5.014	0.000	0.237
135.00	-8.08	-12.88	0.00	-138.48	0.00	138.48	1148.82	574.41	1493.54	747.88	74.71	-5.055	0.000	0.193
140.00	-4.30	-7.59	0.00	-74.06	0.00	74.06	1127.58	563.79	1411.91	707.01	80.04	-5.119	0.000	0.109
145.00	-3.91	-7.14	0.00	-36.10	0.00	36.10	1104.76	552.38	1330.41	666.20	85.41	-5.156	0.000	0.058
150.00	0.00	-6.76	0.00	-0.41	0.00	0.41	1080.36	540.18	1249.27	625.56	90.82	-5.170	0.000	0.001

Wind Loading - Shaft

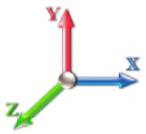
Structure:	CT10022-A-SBA	**Code:**	TIA-222-G	2/21/2022	
Site Name:	Simsbury 2, CT	**Exposure:**	C		
Height:	150.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 15	

Tower Engineering Solutions

Load Case: 0.9D + 1.6W 93 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 22

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00	RB1	1.00	0.85	17.879	19.67	446.21	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
1.00	RT1 RB2	1.00	0.85	17.879	19.67	444.53	0.650	0.000	1.00	5.194	3.38	106.2	0.0	185.5
5.00		1.00	0.85	17.879	19.67	437.81	0.650	0.000	4.00	20.581	13.38	421.0	0.0	735.0
10.00		1.00	0.85	17.879	19.67	429.42	0.650	0.000	5.00	25.286	16.44	517.2	0.0	902.9
15.00		1.00	0.85	17.879	19.67	421.03	0.650	0.000	5.00	24.797	16.12	507.2	0.0	885.4
18.00	RT2	1.00	0.88	18.554	20.41	423.77	0.650	0.000	3.00	14.643	9.52	310.8	0.0	522.8
20.00		1.00	0.90	18.971	20.87	425.04	0.650	0.000	2.00	9.664	6.28	209.7	0.0	345.0
25.00		1.00	0.95	19.883	21.87	426.29	0.650	0.000	5.00	23.818	15.48	541.8	0.0	850.2
30.00		1.00	0.98	20.661	22.73	425.53	0.650	0.000	5.00	23.328	15.16	551.4	0.0	832.7
35.00		1.00	1.01	21.343	23.48	423.32	0.650	0.000	5.00	22.839	14.85	557.6	0.0	815.1
40.00		1.00	1.04	21.951	24.15	420.01	0.650	0.000	5.00	22.350	14.53	561.2	0.0	797.5
41.50	Bot - Section 2	1.00	1.05	22.122	24.33	418.84	0.650	0.000	1.50	6.609	4.30	167.3	0.0	235.8
45.00		1.00	1.07	22.502	24.75	415.84	0.650	0.000	3.50	15.436	10.03	397.4	0.0	1094.9
48.00	Top - Section 1	1.00	1.08	22.810	25.09	412.98	0.650	0.000	3.00	13.040	8.48	340.3	0.0	924.8
50.00		1.00	1.09	23.007	25.31	416.10	0.650	0.000	2.00	8.595	5.59	226.2	0.0	306.6
55.00		1.00	1.12	23.473	25.82	410.68	0.650	0.000	5.00	21.146	13.74	567.8	0.0	754.3
60.00		1.00	1.14	23.907	26.30	404.75	0.650	0.000	5.00	20.656	13.43	564.9	0.0	736.7
65.00		1.00	1.16	24.313	26.74	398.39	0.650	0.000	5.00	20.167	13.11	560.9	0.0	719.2
70.00		1.00	1.17	24.696	27.17	391.64	0.650	0.000	5.00	19.677	12.79	555.9	0.0	701.6
75.00		1.00	1.19	25.057	27.56	384.56	0.650	0.000	5.00	19.188	12.47	550.0	0.0	684.0
80.00		1.00	1.21	25.400	27.94	377.18	0.650	0.000	5.00	18.698	12.15	543.3	0.0	666.5
84.08	Bot - Section 3	1.00	1.22	25.667	28.23	370.95	0.650	0.000	4.08	14.907	9.69	437.7	0.0	531.2
85.00		1.00	1.22	25.726	28.30	369.53	0.650	0.000	0.92	3.340	2.17	98.3	0.0	213.0
89.50	Top - Section 2	1.00	1.24	26.007	28.61	362.43	0.650	0.000	4.50	16.160	10.50	480.8	0.0	1030.3
90.00		1.00	1.24	26.037	28.64	366.01	0.650	0.000	0.50	1.771	1.15	52.8	0.0	50.6
95.00		1.00	1.25	26.336	28.97	357.91	0.650	0.000	5.00	17.442	11.34	525.5	0.0	497.8
100.00		1.00	1.27	26.621	29.28	349.61	0.650	0.000	5.00	16.952	11.02	516.3	0.0	483.8
105.00		1.00	1.28	26.896	29.59	341.11	0.650	0.000	5.00	16.463	10.70	506.6	0.0	469.7
110.00	Appurtenance(s)	1.00	1.29	27.161	29.88	332.44	0.650	0.000	5.00	15.973	10.38	496.3	0.0	455.7
115.00		1.00	1.30	27.416	30.16	323.61	0.650	0.000	5.00	15.484	10.06	485.6	0.0	441.6
120.00		1.00	1.32	27.663	30.43	314.62	0.650	0.000	5.00	14.995	9.75	474.5	0.0	427.6
123.00	Appurtenance(s)	1.00	1.32	27.807	30.59	309.16	0.650	0.000	3.00	8.762	5.70	278.7	0.0	249.8
125.00		1.00	1.33	27.902	30.69	305.49	0.650	0.000	2.00	5.743	3.73	183.3	0.0	163.7
127.92	Bot - Section 4	1.00	1.33	28.038	30.84	300.10	0.650	0.000	2.92	8.235	5.35	264.1	0.0	234.7
130.00		1.00	1.34	28.133	30.95	296.23	0.650	0.000	2.08	5.846	3.80	188.2	0.0	289.9
131.00	Appurtenance(s)	1.00	1.34	28.179	31.00	294.36	0.650	0.000	1.00	2.776	1.80	89.5	0.0	137.7
132.08	Top - Section 3	1.00	1.34	28.228	31.05	292.33	0.650	0.000	1.08	2.985	1.94	96.4	0.0	148.0
135.00		1.00	1.35	28.358	31.19	290.26	0.650	0.000	2.92	7.923	5.15	257.0	0.0	169.7
140.00	Appurtenance(s)	1.00	1.36	28.576	31.43	280.76	0.650	0.000	5.00	13.195	8.58	431.4	0.0	282.5
145.00		1.00	1.37	28.788	31.67	271.15	0.650	0.000	5.00	12.706	8.26	418.4	0.0	272.0
150.00	Appurtenance(s)	1.00	1.38	28.994	31.89	261.43	0.650	0.000	5.00	12.217	7.94	405.2	0.0	261.4
								Totals:	**150.00**			**15,445.0**		**20,507.2**

Discrete Appurtenance Forces

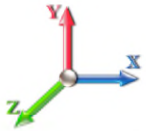
Structure:	CT10022-A-SBA	**Code:**	TIA-222-G	2/21/2022	
Site Name:	Simsbury 2, CT	**Exposure:**	C		
Height:	150.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 16	

Tower Engineering Solutions

Load Case: 0.9D + 1.6W 93 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 22

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	150.00	RRUS-32	3	28.994	31.893	0.45	0.90	4.06	143.10	0.000	0.000	207.36	0.00	0.00
2	150.00	800 10121	3	29.023	31.926	0.71	0.90	10.98	125.01	0.000	0.730	561.12	0.00	409.62
3	150.00	TPA-65R-LCUUUU-H8	2	28.994	31.893	0.75	0.90	19.87	135.00	0.000	0.000	1013.96	0.00	0.00
4	150.00	QS66512-2	1	28.994	31.893	1.00	1.00	8.13	99.90	0.000	0.000	414.87	0.00	0.00
5	150.00	HPA-65R-BUU-H8	2	28.994	31.893	0.71	0.90	18.46	122.40	0.000	0.000	941.87	0.00	0.00
6	150.00	Low Profile	1	28.994	31.893	1.00	1.00	22.00	1350.00	0.000	0.000	1122.64	0.00	0.00
7	150.00	DTMABP7819VG12A	6	28.994	31.893	0.45	0.90	3.08	103.68	0.000	0.000	157.07	0.00	0.00
8	150.00	TPX-070821	6	28.994	31.893	0.45	0.90	1.27	40.50	0.000	0.000	64.76	0.00	0.00
9	150.00	RRUS-11	3	28.994	31.893	0.45	0.90	3.77	135.00	0.000	0.000	192.20	0.00	0.00
10	150.00	LMU Antenna	1	28.994	31.893	1.00	1.00	1.67	7.65	0.000	0.000	85.22	0.00	0.00
11	150.00	Cci HPA-65R-BUU-H6	3	28.994	31.893	0.77	0.90	22.17	137.70	0.000	0.000	1131.30	0.00	0.00
12	150.00	ABT-DFDM-ADB	3	28.994	31.893	0.45	0.90	0.07	2.97	0.000	0.000	3.44	0.00	0.00
13	150.00	Ericsson 4478 B5	3	28.994	31.893	0.45	0.90	2.48	161.73	0.000	0.000	126.76	0.00	0.00
14	150.00	Ericsson 4426 B66	3	28.994	31.893	0.45	0.90	1.55	130.95	0.000	0.000	79.22	0.00	0.00
15	150.00	RRUS-32	3	28.994	31.893	0.45	0.90	0.89	207.90	0.000	0.000	45.47	0.00	0.00
16	150.00	DBC-750	3	28.994	31.893	0.45	0.90	0.69	12.96	0.000	0.000	35.13	0.00	0.00
17	150.00	4426 B66	3	28.994	31.893	0.45	0.90	2.21	130.68	0.000	0.000	112.98	0.00	0.00
18	150.00	DC6-48-60-18-8F	2	28.994	31.893	0.60	0.90	1.11	57.24	0.000	0.000	56.62	0.00	0.00
19	140.00	BSAMNT-SBS-2-2	3	28.576	31.433	1.00	1.00	10.50	180.90	0.000	0.000	528.08	0.00	0.00
20	140.00	Low Profile Platform	1	28.576	31.433	1.00	1.00	22.00	1350.00	0.000	0.000	1106.45	0.00	0.00
21	140.00	CBRS RRH-RT4401	3	28.576	31.433	0.38	0.75	0.96	41.04	0.000	0.000	48.09	0.00	0.00
22	140.00	XXDWMM-12.5-65-8T-CB	3	28.576	31.433	0.38	0.75	1.33	62.37	0.000	0.000	66.76	0.00	0.00
23	140.00	B5/B13 RRHBR04C	3	28.576	31.433	0.38	0.75	2.11	190.08	0.000	0.000	106.37	0.00	0.00
24	140.00	B2/B66A RRHBR049	3	28.576	31.433	0.38	0.75	7.32	356.94	0.000	0.000	368.33	0.00	0.00
25	140.00	RVZDC-6627-PF48	2	28.576	31.433	1.00	1.00	7.58	57.60	0.000	0.000	381.22	0.00	0.00
26	140.00	SamsungMT6407-77A	1	28.576	31.433	0.52	0.75	2.46	71.46	0.000	0.000	123.83	0.00	0.00
27	140.00	Andrew SBNHH-1D65B	6	28.576	31.433	0.58	0.75	28.36	392.58	0.000	0.000	1426.35	0.00	0.00
28	140.00	Antel	3	28.576	31.433	0.66	0.75	7.05	81.81	0.000	0.000	354.51	0.00	0.00
29	131.00	APXVAALL24-43-U-NA20	3	28.179	30.997	0.52	0.75	31.88	331.56	0.000	0.000	1580.97	0.00	0.00
30	131.00	AIR6449 B41	3	28.179	30.997	0.53	0.75	9.03	278.10	0.000	0.000	447.63	0.00	0.00
31	131.00	AIR32	3	28.179	30.997	0.65	0.75	12.74	356.94	0.000	0.000	632.00	0.00	0.00
32	131.00	PV-LPPGS-12M-HR2-AP3	1	28.179	30.997	1.00	1.00	34.10	1939.50	0.000	0.000	1691.17	0.00	0.00
33	131.00	KRY 112 144-1 Double	3	28.179	30.997	0.38	0.75	0.46	29.70	0.000	0.000	22.88	0.00	0.00
34	131.00	ATMAA1412D-1A20 TMA	3	28.179	30.997	0.38	0.75	1.32	35.10	0.000	0.000	65.28	0.00	0.00
35	131.00	SDX1926Q-43 Diplexer	3	28.179	30.997	0.38	0.75	0.33	16.20	0.000	0.000	16.18	0.00	0.00
36	131.00	Radio 4449 B71+B85	3	28.179	30.997	0.38	0.75	2.22	197.64	0.000	0.000	109.91	0.00	0.00
37	131.00	Ericsson 4415 B25	3	28.179	30.997	0.38	0.75	1.84	124.20	0.000	0.000	91.50	0.00	0.00
38	131.00	Bias-T 782 11056	3	28.179	30.997	0.38	0.75	0.15	4.05	0.000	0.000	7.25	0.00	0.00
39	123.00	ALU - TD-RRH8x20-25 -	3	27.807	30.588	0.38	0.75	4.56	189.00	0.000	0.000	222.99	0.00	0.00
40	123.00	APXVSPP18-C-A20	2	27.807	30.588	0.62	0.75	9.98	102.60	0.000	0.000	488.67	0.00	0.00
41	123.00	ALU - 1900 MHz RRH -	3	27.807	30.588	0.38	0.75	3.05	162.00	0.000	0.000	149.21	0.00	0.00
42	123.00	APXVTM14-C-I20	3	27.807	30.588	0.59	0.75	11.27	148.50	0.000	0.000	551.53	0.00	0.00
43	123.00	RFS - ACU-A20-N - RET	4	27.807	30.588	0.38	0.75	0.21	3.60	0.000	0.000	10.28	0.00	0.00
44	123.00	APXVSPP18-C-A20 (50	1	27.807	30.588	0.75	0.75	6.01	45.00	0.000	0.000	294.38	0.00	0.00
45	123.00	ALU - 800 MHz Filter	3	27.807	30.588	0.50	0.75	1.18	23.76	0.000	0.000	57.55	0.00	0.00
46	123.00	ALU - 800 MHz RRH -	3	27.807	30.588	0.38	0.75	2.80	143.10	0.000	0.000	137.10	0.00	0.00
47	123.00	Platform w/ HRK Handrail	1	27.807	30.588	1.00	1.00	32.00	1440.00	0.000	0.000	1566.11	0.00	0.00

Discrete Appurtenance Forces

Structure:	CT10022-A-SBA		**Code:**	TIA-222-G	2/21/2022
Site Name:	Simsbury 2, CT		**Exposure:**	C	
Height:	150.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 17

Tower Engineering Solutions

48	110.00	Raycap	1	27.161	29.877	0.75	0.75	1.51	19.71	0.000	0.000	72.06	0.00	0.00
49	110.00	Fujitsu TA08025-B604	3	27.161	29.877	0.38	0.75	2.21	172.53	0.000	0.000	105.41	0.00	0.00
50	110.00	Fujitsu TA08025-B605	3	27.161	29.877	0.38	0.75	2.21	202.50	0.000	0.000	105.41	0.00	0.00
51	110.00	MC-PK8-DSH	1	27.161	29.877	1.00	1.00	37.59	1554.30	0.000	0.000	1796.93	0.00	0.00
52	110.00	JMA Wireless	3	27.161	29.877	0.55	0.75	20.80	174.15	0.000	0.000	994.11	0.00	0.00
							Totals:		**13,582.89**			**22,078.49**		

Total Applied Force Summary

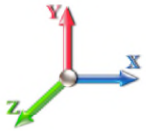
Structure:	CT10022-A-SBA		**Code:**	TIA-222-G	2/21/2022
Site Name:	Simsbury 2, CT		**Exposure:**	C	
Height:	150.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 18

Tower Engineering Solutions

Load Case: 0.9D + 1.6W 93 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 22

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
1.00		106.24	218.85	0.00	0.00
5.00		420.97	868.36	0.00	0.00
10.00		517.20	1069.64	0.00	0.00
15.00		507.19	1052.07	0.00	0.00
18.00		310.82	622.81	0.00	0.00
20.00		209.74	411.69	0.00	0.00
25.00		541.77	1016.93	0.00	0.00
30.00		551.40	999.37	0.00	0.00
35.00		557.63	981.80	0.00	0.00
40.00		561.24	964.23	0.00	0.00
41.50		167.27	285.84	0.00	0.00
45.00		397.36	1211.58	0.00	0.00
48.00		340.27	1024.80	0.00	0.00
50.00		226.23	373.32	0.00	0.00
55.00		567.83	921.01	0.00	0.00
60.00		564.94	903.44	0.00	0.00
65.00		560.93	885.87	0.00	0.00
70.00		555.92	868.31	0.00	0.00
75.00		550.03	850.74	0.00	0.00
80.00		543.33	833.17	0.00	0.00
84.08		437.73	667.39	0.00	0.00
85.00		98.31	243.58	0.00	0.00
89.50		480.79	1180.35	0.00	0.00
90.00		52.76	67.23	0.00	0.00
95.00		525.48	664.54	0.00	0.00
100.00		516.28	650.49	0.00	0.00
105.00		506.55	636.43	0.00	0.00
110.00	(11) attachments	3570.25	2745.57	0.00	0.00
115.00		485.65	603.82	0.00	0.00
120.00		474.53	589.77	0.00	0.00
123.00	(23) attachments	3756.54	2604.67	0.00	0.00
125.00		183.33	221.73	0.00	0.00
127.92		264.15	319.33	0.00	0.00
130.00		188.17	350.37	0.00	0.00
131.00	(28) attachments	4754.28	3479.65	0.00	0.00
132.08		96.41	170.14	0.00	0.00
135.00		257.04	229.22	0.00	0.00
140.00	(28) attachments	4941.37	3169.38	0.00	0.00
145.00		418.45	320.63	0.00	0.00
150.00	(51) attachments	6757.18	3401.11	0.00	409.62
	Totals:	**37,523.53**	**38,679.24**	**0.00**	**409.62**

Linear Appurtenance Segment Forces (Factored)

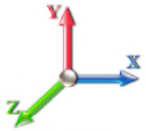
Structure:	CT10022-A-SBA	**Code:**	TIA-222-G	2/21/2022	
Site Name:	Simsbury 2, CT	**Exposure:**	C		
Height:	150.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 19	

Tower Engineering Solutions

Load Case: 0.9D + 1.6W 93 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 22

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
1.00	1.60" Hybrid	Yes	1.00	0.000	1.60	0.13	0.00	0.046	0.000	17.879	0.00	0.90
1.00	1.25" Reinforcing	Yes	1.00	0.000	1.25	0.10	0.00	0.046	0.000	17.879	0.00	0.00
5.00	1.60" Hybrid	Yes	4.00	0.000	1.60	0.53	0.00	0.046	0.000	17.879	0.00	3.60
5.00	1.25" Reinforcing	Yes	4.00	0.000	1.25	0.42	0.00	0.046	0.000	17.879	0.00	0.00
10.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.047	0.000	17.879	0.00	4.50
10.00	1.25" Reinforcing	Yes	5.00	0.000	1.25	0.52	0.00	0.047	0.000	17.879	0.00	0.00
15.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.048	0.000	17.879	0.00	4.50
15.00	1.25" Reinforcing	Yes	5.00	0.000	1.25	0.52	0.00	0.048	0.000	17.879	0.00	0.00
18.00	1.60" Hybrid	Yes	3.00	0.000	1.60	0.40	0.00	0.049	0.000	18.554	0.00	2.70
18.00	1.25" Reinforcing	Yes	3.00	0.000	1.25	0.31	0.00	0.049	0.000	18.554	0.00	0.00
20.00	1.60" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.049	0.000	18.971	0.00	1.80
20.00	1.25" Reinforcing	Yes	2.00	0.000	1.25	0.21	0.00	0.049	0.000	18.971	0.00	0.00
25.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.028	0.000	19.883	0.00	4.50
30.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.029	0.000	20.661	0.00	4.50
35.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.029	0.000	21.343	0.00	4.50
40.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.030	0.000	21.951	0.00	4.50
41.50	1.60" Hybrid	Yes	1.50	0.000	1.60	0.20	0.00	0.030	0.000	22.122	0.00	1.35
45.00	1.60" Hybrid	Yes	3.50	0.000	1.60	0.47	0.00	0.031	0.000	22.502	0.00	3.15
48.00	1.60" Hybrid	Yes	3.00	0.000	1.60	0.40	0.00	0.031	0.000	22.810	0.00	2.70
50.00	1.60" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.031	0.000	23.007	0.00	1.80
55.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.032	0.000	23.473	0.00	4.50
60.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.032	0.000	23.907	0.00	4.50
65.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.033	0.000	24.313	0.00	4.50
70.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.034	0.000	24.696	0.00	4.50
75.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.035	0.000	25.057	0.00	4.50
80.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.036	0.000	25.400	0.00	4.50
84.08	1.60" Hybrid	Yes	4.08	0.000	1.60	0.54	0.00	0.037	0.000	25.667	0.00	3.67
85.00	1.60" Hybrid	Yes	0.92	0.000	1.60	0.12	0.00	0.037	0.000	25.726	0.00	0.83
89.50	1.60" Hybrid	Yes	4.50	0.000	1.60	0.60	0.00	0.038	0.000	26.007	0.00	4.05
90.00	1.60" Hybrid	Yes	0.50	0.000	1.60	0.07	0.00	0.038	0.000	26.037	0.00	0.45
95.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.038	0.000	26.336	0.00	4.50
100.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.039	0.000	26.621	0.00	4.50
105.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.040	0.000	26.896	0.00	4.50
110.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.042	0.000	27.161	0.00	4.50
										Totals:	**0.0**	**99.0**

Calculated Forces

Structure:	CT10022-A-SBA	**Code:**	TIA-222-G	2/21/2022	
Site Name:	Simsbury 2, CT	**Exposure:**	C		
Height:	150.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 20	

Tower Engineering Solutions

Load Case: 0.9D + 1.6W 93 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

Iterations 22

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-38.67	-37.54	0.00	-4231.4	0.00	4231.40	3399.80	1699.90	8571.22	4291.98	0.00	0.000	0.000	0.794
1.00	-38.40	-37.48	0.00	-4193.8	0.00	4193.86	3395.30	1697.65	8527.34	4270.01	0.00	-0.033	0.000	0.716
5.00	-37.44	-37.15	0.00	-4043.9	0.00	4043.95	3376.67	1688.33	8351.12	4181.77	0.08	-0.152	0.000	0.702
10.00	-36.28	-36.72	0.00	-3858.2	0.00	3858.22	3351.94	1675.97	8129.40	4070.74	0.32	-0.301	0.000	0.684
15.00	-35.16	-36.28	0.00	-3674.6	0.00	3674.64	3325.63	1662.82	7906.28	3959.02	0.72	-0.450	0.000	0.666
18.00	-34.49	-36.01	0.00	-3565.8	0.00	3565.80	3309.09	1654.54	7771.83	3891.69	1.03	-0.541	0.000	0.655
18.00	-34.49	-36.01	0.00	-3565.8	0.00	3565.80	3309.09	1654.54	7771.83	3891.69	1.03	-0.541	0.000	0.655
20.00	-33.99	-35.88	0.00	-3493.7	0.00	3493.79	3297.74	1648.87	7681.99	3846.70	1.27	-0.602	0.000	0.919
25.00	-32.85	-35.44	0.00	-3314.4	0.00	3314.42	3268.26	1634.13	7456.75	3733.92	2.02	-0.816	0.000	0.898
30.00	-31.73	-35.00	0.00	-3137.2	0.00	3137.20	3237.20	1618.60	7230.79	3620.77	2.99	-1.031	0.000	0.877
35.00	-30.63	-34.54	0.00	-2962.2	0.00	2962.22	3204.54	1602.27	7004.35	3507.38	4.18	-1.248	0.000	0.855
40.00	-29.59	-34.03	0.00	-2789.5	0.00	2789.54	3170.31	1585.15	6777.64	3393.86	5.61	-1.466	0.000	0.832
41.50	-29.24	-33.91	0.00	-2738.5	0.00	2738.50	3159.73	1579.86	6709.61	3359.79	6.08	-1.533	0.000	0.825
45.00	-27.96	-33.55	0.00	-2619.8	0.00	2619.82	3134.49	1567.24	6550.90	3280.32	7.26	-1.688	0.000	0.808
48.00	-26.88	-33.23	0.00	-2519.1	0.00	2519.18	3132.30	1566.15	6537.37	3273.54	8.37	-1.822	0.000	0.779
50.00	-26.43	-33.06	0.00	-2452.7	0.00	2452.73	3117.49	1558.74	6446.72	3228.15	9.15	-1.912	0.000	0.769
55.00	-25.41	-32.55	0.00	-2287.4	0.00	2287.43	3079.35	1539.68	6220.34	3114.79	11.27	-2.124	0.000	0.743
60.00	-24.41	-32.04	0.00	-2124.6	0.00	2124.66	3039.63	1519.81	5994.49	3001.70	13.61	-2.336	0.000	0.716
65.00	-23.43	-31.53	0.00	-1964.4	0.00	1964.44	2998.32	1499.16	5769.39	2888.98	16.17	-2.546	0.000	0.688
70.00	-22.48	-31.02	0.00	-1806.7	0.00	1806.78	2955.43	1477.72	5545.28	2776.76	18.94	-2.755	0.000	0.659
75.00	-21.55	-30.50	0.00	-1651.6	0.00	1651.69	2910.95	1455.48	5322.38	2665.15	21.94	-2.962	0.000	0.628
80.00	-20.65	-29.98	0.00	-1499.1	0.00	1499.17	2864.89	1432.44	5100.92	2554.25	25.15	-3.166	0.000	0.595
84.08	-19.96	-29.54	0.00	-1376.7	0.00	1376.73	2826.09	1413.05	4921.28	2464.30	27.93	-3.330	0.000	0.566
85.00	-19.66	-29.47	0.00	-1349.6	0.00	1349.65	2817.24	1408.62	4881.12	2444.19	28.58	-3.367	0.000	0.560
89.50	-18.46	-28.95	0.00	-1217.0	0.00	1217.05	2031.94	1015.97	3485.43	1745.31	31.83	-3.542	0.000	0.707
90.00	-18.34	-28.93	0.00	-1202.5	0.00	1202.57	2029.15	1014.57	3470.92	1738.04	32.21	-3.562	0.000	0.702
95.00	-17.60	-28.43	0.00	-1057.9	0.00	1057.92	2000.34	1000.17	3325.82	1665.38	36.06	-3.786	0.000	0.645
100.00	-16.89	-27.93	0.00	-915.76	0.00	915.76	1969.95	984.97	3180.92	1592.82	40.14	-3.998	0.000	0.584
105.00	-16.20	-27.44	0.00	-776.10	0.00	776.10	1937.97	968.98	3036.44	1520.48	44.43	-4.197	0.000	0.520
110.00	-13.65	-23.71	0.00	-638.92	0.00	638.92	1904.40	952.20	2892.62	1448.46	48.92	-4.379	0.000	0.449
115.00	-13.03	-23.22	0.00	-520.36	0.00	520.36	1869.25	934.63	2749.69	1376.89	53.59	-4.542	0.000	0.386
120.00	-12.44	-22.72	0.00	-404.29	0.00	404.29	1832.52	916.26	2607.87	1305.87	58.43	-4.685	0.000	0.317
123.00	-10.13	-18.77	0.00	-336.13	0.00	336.13	1809.72	904.86	2523.40	1263.58	61.39	-4.761	0.000	0.272
125.00	-9.91	-18.58	0.00	-298.59	0.00	298.59	1794.20	897.10	2467.38	1235.52	63.40	-4.807	0.000	0.248
127.92	-9.60	-18.30	0.00	-244.40	0.00	244.40	1771.11	885.56	2386.14	1194.84	66.35	-4.867	0.000	0.210
130.00	-9.25	-18.08	0.00	-206.29	0.00	206.29	1754.29	877.15	2328.47	1165.96	68.48	-4.905	0.000	0.183
131.00	-6.19	-13.05	0.00	-188.20	0.00	188.20	1746.12	873.06	2300.89	1152.16	69.51	-4.922	0.000	0.167
132.08	-6.02	-12.94	0.00	-174.06	0.00	174.06	1160.48	580.24	1541.12	771.71	70.63	-4.939	0.000	0.231
135.00	-5.81	-12.67	0.00	-136.31	0.00	136.31	1148.82	574.41	1493.54	747.88	73.65	-4.979	0.000	0.188
140.00	-3.07	-7.48	0.00	-72.95	0.00	72.95	1127.58	563.79	1411.91	707.01	78.90	-5.042	0.000	0.106
145.00	-2.79	-7.03	0.00	-35.57	0.00	35.57	1104.76	552.38	1330.41	666.20	84.20	-5.078	0.000	0.056
150.00	0.00	-6.76	0.00	-0.41	0.00	0.41	1080.36	540.18	1249.27	625.56	89.52	-5.092	0.000	0.001

Wind Loading - Shaft

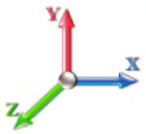
Structure:	CT10022-A-SBA	**Code:**	TIA-222-G	2/21/2022	
Site Name:	Simsbury 2, CT	**Exposure:**	C		
Height:	150.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 21	

Tower Engineering Solutions

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 22

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00	RB1	1.00	0.85	5.168	5.68	0.00	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
1.00	RT1 RB2	1.00	0.85	5.168	5.68	0.00	1.200	1.410	1.00	5.429	6.52	37.0	110.7	358.1
5.00		1.00	0.85	5.168	5.68	0.00	1.200	1.656	4.00	21.685	26.02	147.9	514.5	1494.5
10.00		1.00	0.85	5.168	5.68	0.00	1.200	1.775	5.00	26.765	32.12	182.6	677.8	1881.7
15.00		1.00	0.85	5.168	5.68	0.00	1.200	1.848	5.00	26.337	31.60	179.7	693.2	1873.7
18.00	RT2	1.00	0.88	5.363	5.90	0.00	1.200	1.882	3.00	15.584	18.70	110.3	418.9	1116.0
20.00		1.00	0.90	5.483	6.03	0.00	1.200	1.902	2.00	10.298	12.36	74.5	280.1	740.1
25.00		1.00	0.95	5.747	6.32	0.00	1.200	1.945	5.00	25.439	30.53	193.0	702.5	1836.2
30.00		1.00	0.98	5.972	6.57	0.00	1.200	1.981	5.00	24.979	29.98	196.9	701.5	1811.8
35.00		1.00	1.01	6.169	6.79	0.00	1.200	2.012	5.00	24.515	29.42	199.6	698.2	1785.0
40.00		1.00	1.04	6.345	6.98	0.00	1.200	2.039	5.00	24.049	28.86	201.4	693.2	1756.5
41.50	Bot - Section 2	1.00	1.05	6.394	7.03	0.00	1.200	2.046	1.50	7.121	8.55	60.1	207.4	521.9
45.00		1.00	1.07	6.504	7.15	0.00	1.200	2.063	3.50	16.639	19.97	142.9	486.4	1946.2
48.00	Top - Section 1	1.00	1.08	6.593	7.25	0.00	1.200	2.076	3.00	14.078	16.89	122.5	414.3	1647.3
50.00		1.00	1.09	6.650	7.32	0.00	1.200	2.085	2.00	9.290	11.15	81.6	274.9	683.8
55.00		1.00	1.12	6.785	7.46	0.00	1.200	2.105	5.00	22.900	27.48	205.1	678.9	1684.7
60.00		1.00	1.14	6.910	7.60	0.00	1.200	2.123	5.00	22.426	26.91	204.6	669.7	1652.0
65.00		1.00	1.16	7.028	7.73	0.00	1.200	2.140	5.00	21.950	26.34	203.6	659.8	1618.7
70.00		1.00	1.17	7.138	7.85	0.00	1.200	2.156	5.00	21.474	25.77	202.3	649.3	1584.8
75.00		1.00	1.19	7.243	7.97	0.00	1.200	2.171	5.00	20.997	25.20	200.7	638.3	1550.3
80.00		1.00	1.21	7.342	8.08	0.00	1.200	2.185	5.00	20.519	24.62	198.9	626.7	1515.4
84.08	Bot - Section 3	1.00	1.22	7.419	8.16	0.00	1.200	2.196	4.08	16.402	19.68	160.6	503.9	1212.2
85.00		1.00	1.22	7.436	8.18	0.00	1.200	2.198	0.92	3.676	4.41	36.1	114.0	398.0
89.50	Top - Section 2	1.00	1.24	7.517	8.27	0.00	1.200	2.210	4.50	17.817	21.38	176.8	549.6	1923.3
90.00		1.00	1.24	7.526	8.28	0.00	1.200	2.211	0.50	1.955	2.35	19.4	60.9	128.3
95.00		1.00	1.25	7.612	8.37	0.00	1.200	2.223	5.00	19.294	23.15	193.9	596.7	1260.5
100.00		1.00	1.27	7.695	8.46	0.00	1.200	2.234	5.00	18.814	22.58	191.1	583.8	1228.8
105.00		1.00	1.28	7.774	8.55	0.00	1.200	2.245	5.00	18.334	22.00	188.1	570.5	1196.8
110.00	Appurtenance(s)	1.00	1.29	7.851	8.64	0.00	1.200	2.256	5.00	17.853	21.42	185.0	557.0	1164.5
115.00		1.00	1.30	7.925	8.72	0.00	1.200	2.266	5.00	17.372	20.85	181.7	543.1	1132.0
120.00		1.00	1.32	7.996	8.80	0.00	1.200	2.276	5.00	16.891	20.27	178.3	529.1	1099.2
123.00	Appurtenance(s)	1.00	1.32	8.038	8.84	0.00	1.200	2.281	3.00	9.902	11.88	105.1	312.3	645.4
125.00		1.00	1.33	8.065	8.87	0.00	1.200	2.285	2.00	6.505	7.81	69.3	205.9	424.2
127.92	Bot - Section 4	1.00	1.33	8.104	8.91	0.00	1.200	2.290	2.92	9.349	11.22	100.0	295.4	608.4
130.00		1.00	1.34	8.132	8.95	0.00	1.200	2.294	2.08	6.643	7.97	71.3	210.7	597.3
131.00	Appurtenance(s)	1.00	1.34	8.145	8.96	0.00	1.200	2.296	1.00	3.159	3.79	34.0	100.6	284.1
132.08	Top - Section 3	1.00	1.34	8.159	8.98	0.00	1.200	2.298	1.08	3.400	4.08	36.6	108.3	305.6
135.00		1.00	1.35	8.197	9.02	0.00	1.200	2.303	2.92	9.043	10.85	97.8	286.5	512.7
140.00	Appurtenance(s)	1.00	1.36	8.260	9.09	0.00	1.200	2.311	5.00	15.121	18.15	164.9	476.2	852.9
145.00		1.00	1.37	8.321	9.15	0.00	1.200	2.319	5.00	14.639	17.57	160.8	461.2	823.8
150.00	Appurtenance(s)	1.00	1.38	8.381	9.22	0.00	1.200	2.327	5.00	14.156	16.99	156.6	446.0	794.6
								Totals:	**150.00**			**5,652.7**		**45,651.3**

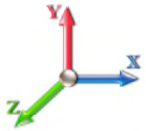
Discrete Appurtenance Forces

Structure:	CT10022-A-SBA	**Code:**	TIA-222-G	2/21/2022	
Site Name:	Simsbury 2, CT	**Exposure:**	C		
Height:	150.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 22	

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 22

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	150.00	RRUS-32	3	8.381	9.219	0.45	0.90	5.44	400.26	0.000	0.000	50.15	0.00	0.00
2	150.00	800 10121	3	8.389	9.228	0.71	0.90	16.98	527.46	0.000	0.730	156.66	0.00	114.36
3	150.00	TPA-65R-LCUUUU-H8	2	8.381	9.219	0.75	0.90	23.22	1056.97	0.000	0.000	214.03	0.00	0.00
4	150.00	QS66512-2	1	8.381	9.219	1.00	1.00	9.90	454.10	0.000	0.000	91.27	0.00	0.00
5	150.00	HPA-65R-BUU-H8	2	8.381	9.219	0.71	0.90	21.58	982.40	0.000	0.000	198.95	0.00	0.00
6	150.00	Low Profile	1	8.381	9.219	1.00	1.00	45.55	3245.22	0.000	0.000	419.90	0.00	0.00
7	150.00	DTMABP7819VG12A	6	8.381	9.219	0.45	0.90	5.85	298.60	0.000	0.000	53.91	0.00	0.00
8	150.00	TPX-070821	6	8.381	9.219	0.45	0.90	2.50	200.11	0.000	0.000	23.08	0.00	0.00
9	150.00	RRUS-11	3	8.381	9.219	0.45	0.90	5.03	420.10	0.000	0.000	46.36	0.00	0.00
10	150.00	LMU Antenna	1	8.381	9.219	1.00	1.00	1.67	10.20	0.000	0.000	15.41	0.00	0.00
11	150.00	Cci HPA-65R-BUU-H6	3	8.381	9.219	0.77	0.90	26.43	1230.74	0.000	0.000	243.67	0.00	0.00
12	150.00	ABT-DFDM-ADB	3	8.381	9.219	0.45	0.90	0.41	10.78	0.000	0.000	3.82	0.00	0.00
13	150.00	Ericsson 4478 B5	3	8.381	9.219	0.45	0.90	3.47	376.07	0.000	0.000	32.00	0.00	0.00
14	150.00	Ericsson 4426 B66	3	8.381	9.219	0.45	0.90	2.44	350.28	0.000	0.000	22.50	0.00	0.00
15	150.00	RRUS-32	3	8.381	9.219	0.45	0.90	1.71	215.98	0.000	0.000	15.74	0.00	0.00
16	150.00	DBC-750	3	8.381	9.219	0.45	0.90	1.64	47.25	0.000	0.000	15.13	0.00	0.00
17	150.00	4426 B66	3	8.381	9.219	0.45	0.90	12.19	1609.10	0.000	0.000	112.36	0.00	0.00
18	150.00	DC6-48-60-18-8F	2	8.381	9.219	0.60	0.90	1.81	205.79	0.000	0.000	16.72	0.00	0.00
19	140.00	BSAMNT-SBS-2-2	3	8.260	9.086	1.00	1.00	25.06	-659.20	0.000	0.000	227.68	0.00	0.00
20	140.00	Low Profile Platform	1	8.260	9.086	1.00	1.00	45.39	3233.22	0.000	0.000	412.38	0.00	0.00
21	140.00	CBRS RRH-RT4401	3	8.260	9.086	0.38	0.75	1.98	116.07	0.000	0.000	18.01	0.00	0.00
22	140.00	XXDWMM-12.5-65-8T-CB	3	8.260	9.086	0.38	0.75	2.49	358.14	0.000	0.000	22.62	0.00	0.00
23	140.00	B5/B13 RRHBR04C	3	8.260	9.086	0.38	0.75	2.94	421.47	0.000	0.000	26.68	0.00	0.00
24	140.00	B2/B66A RRHBR049	3	8.260	9.086	0.38	0.75	9.10	1252.43	0.000	0.000	82.66	0.00	0.00
25	140.00	RVZDC-6627-PF48	2	8.260	9.086	1.00	1.00	9.77	432.75	0.000	0.000	88.80	0.00	0.00
26	140.00	SamsungMT6407-77A	1	8.260	9.086	0.56	0.75	3.35	264.56	0.000	0.000	30.48	0.00	0.00
27	140.00	Andrew SBNHH-1D65B	6	8.260	9.086	0.58	0.75	34.40	2222.22	0.000	0.000	312.54	0.00	0.00
28	140.00	Antel	3	8.260	9.086	0.66	0.75	11.89	900.29	0.000	0.000	108.03	0.00	0.00
29	131.00	APXVAALL24-43-U-NA20	3	8.145	8.960	0.52	0.75	35.86	2196.94	0.000	0.000	321.30	0.00	0.00
30	131.00	AIR6449 B41	3	8.145	8.960	0.53	0.75	11.02	816.80	0.000	0.000	98.76	0.00	0.00
31	131.00	AIR32	3	8.145	8.960	0.65	0.75	15.81	1246.09	0.000	0.000	141.64	0.00	0.00
32	131.00	PV-LPPGS-12M-HR2-AP3	1	8.145	8.960	1.00	1.00	65.41	4859.28	0.000	0.000	586.07	0.00	0.00
33	131.00	KRY 112 144-1 Double	3	8.145	8.960	0.38	0.75	1.16	72.84	0.000	0.000	10.43	0.00	0.00
34	131.00	ATMAA1412D-1A20 TMA	3	8.145	8.960	0.38	0.75	2.47	128.89	0.000	0.000	22.17	0.00	0.00
35	131.00	SDX1926Q-43 Diplexer	3	8.145	8.960	0.38	0.75	0.95	51.86	0.000	0.000	8.49	0.00	0.00
36	131.00	Radio 4449 B71+B85	3	8.145	8.960	0.38	0.75	3.06	316.18	0.000	0.000	27.41	0.00	0.00
37	131.00	Ericsson 4415 B25	3	8.145	8.960	0.38	0.75	2.61	299.60	0.000	0.000	23.36	0.00	0.00
38	131.00	Bias-T 782 11056	3	8.145	8.960	0.38	0.75	0.58	19.36	0.000	0.000	5.24	0.00	0.00
39	123.00	ALU - TD-RRH8x20-25 -	3	8.038	8.842	0.38	0.75	5.78	713.44	0.000	0.000	51.11	0.00	0.00
40	123.00	APXVSPP18-C-A20	2	8.038	8.842	0.62	0.75	14.53	432.28	0.000	0.000	128.48	0.00	0.00
41	123.00	ALU - 1900 MHz RRH -	3	8.038	8.842	0.38	0.75	4.91	463.37	0.000	0.000	43.39	0.00	0.00
42	123.00	APXVTM14-C-I20	3	8.038	8.842	0.59	0.75	13.91	866.62	0.000	0.000	122.96	0.00	0.00
43	123.00	RFS - ACU-A20-N - RET	4	8.038	8.842	0.38	0.75	0.79	22.06	0.000	0.000	7.00	0.00	0.00
44	123.00	APXVSPP18-C-A20 (50	1	8.038	8.842	0.75	0.75	8.75	172.99	0.000	0.000	77.40	0.00	0.00
45	123.00	ALU - 800 MHz Filter	3	8.038	8.842	0.50	0.75	2.45	85.87	0.000	0.000	21.67	0.00	0.00
46	123.00	ALU - 800 MHz RRH -	3	8.038	8.842	0.38	0.75	4.48	417.53	0.000	0.000	39.64	0.00	0.00
47	123.00	Platform w/ HRK Handrail	1	8.038	8.842	1.00	1.00	65.58	3544.98	0.000	0.000	579.82	0.00	0.00

Discrete Appurtenance Forces

Structure:	CT10022-A-SBA		**Code:**	TIA-222-G	2/21/2022
Site Name:	Simsbury 2, CT		**Exposure:**	C	
Height:	150.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 23

48	110.00	Raycap	1	7.851	8.636	0.75	0.75	2.06	82.41	0.000	0.000	17.78	0.00	0.00
49	110.00	Fujitsu TA08025-B604	3	7.851	8.636	0.38	0.75	3.02	390.07	0.000	0.000	26.09	0.00	0.00
50	110.00	Fujitsu TA08025-B605	3	7.851	8.636	0.38	0.75	3.02	435.03	0.000	0.000	26.09	0.00	0.00
51	110.00	MC-PK8-DSH	1	7.851	8.636	1.00	1.00	98.65	3881.12	0.000	0.000	851.90	0.00	0.00
52	110.00	JMA Wireless	3	7.851	8.636	0.55	0.75	23.95	1158.55	0.000	0.000	206.82	0.00	0.00
							Totals:		**42,857.52**			**6,506.52**		

Total Applied Force Summary

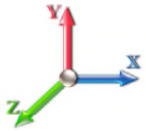
Structure:	CT10022-A-SBA		**Code:**	TIA-222-G	2/21/2022
Site Name:	Simsbury 2, CT		**Exposure:**	C	
Height:	150.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 24

Tower Engineering Solutions

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 22

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
1.00		37.04	413.84	0.00	0.00
5.00		147.93	1729.14	0.00	0.00
10.00		182.59	2182.39	0.00	0.00
15.00		179.66	2179.23	0.00	0.00
18.00		110.33	1300.62	0.00	0.00
20.00		74.54	863.78	0.00	0.00
25.00		192.99	2094.74	0.00	0.00
30.00		196.92	2071.39	0.00	0.00
35.00		199.63	2045.61	0.00	0.00
40.00		201.42	2017.97	0.00	0.00
41.50		60.11	600.35	0.00	0.00
45.00		142.86	2129.75	0.00	0.00
48.00		122.52	1804.87	0.00	0.00
50.00		81.55	788.94	0.00	0.00
55.00		205.09	1948.18	0.00	0.00
60.00		204.56	1916.13	0.00	0.00
65.00		203.63	1883.35	0.00	0.00
70.00		202.34	1849.93	0.00	0.00
75.00		200.74	1815.95	0.00	0.00
80.00		198.86	1781.46	0.00	0.00
84.08		160.63	1429.84	0.00	0.00
85.00		36.09	446.87	0.00	0.00
89.50		176.80	2163.56	0.00	0.00
90.00		19.43	155.04	0.00	0.00
95.00		193.87	1527.89	0.00	0.00
100.00		191.10	1496.56	0.00	0.00
105.00		188.15	1464.92	0.00	0.00
110.00	(11) attachments	1313.69	7380.16	0.00	0.00
115.00		181.73	1348.24	0.00	0.00
120.00		178.28	1315.46	0.00	0.00
123.00	(23) attachments	1176.52	7494.31	0.00	0.00
125.00		69.25	501.57	0.00	0.00
127.92		100.01	721.17	0.00	0.00
130.00		71.31	677.89	0.00	0.00
131.00	(28) attachments	1278.82	10330.63	0.00	0.00
132.08		36.62	335.11	0.00	0.00
135.00		97.84	592.09	0.00	0.00
140.00	(28) attachments	1494.74	9531.00	0.00	0.00
145.00		160.79	888.73	0.00	0.00
150.00	(51) attachments	1888.26	12483.07	0.00	114.36
	Totals:	**12,159.22**	**95,701.74**	**0.00**	**114.36**

Linear Appurtenance Segment Forces (Factored)

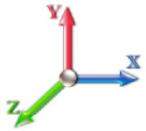
Structure:	CT10022-A-SBA	**Code:**	TIA-222-G	2/21/2022	
Site Name:	Simsbury 2, CT	**Exposure:**	C		
Height:	150.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 25	

Tower Engineering Solutions

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 22

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
1.00	1.60" Hybrid	Yes	1.00	0.000	1.60	0.37	0.00	0.046	0.000	5.168	0.00	5.60
1.00	1.25" Reinforcing	Yes	1.00	0.000	1.25	0.34	0.00	0.046	0.000	5.168	0.00	6.93
5.00	1.60" Hybrid	Yes	4.00	0.000	1.60	1.64	0.00	0.046	0.000	5.168	0.00	27.30
5.00	1.25" Reinforcing	Yes	4.00	0.000	1.25	1.52	0.00	0.046	0.000	5.168	0.00	34.29
10.00	1.60" Hybrid	Yes	5.00	0.000	1.60	2.15	0.00	0.047	0.000	5.168	0.00	37.36
10.00	1.25" Reinforcing	Yes	5.00	0.000	1.25	2.00	0.00	0.047	0.000	5.168	0.00	47.08
15.00	1.60" Hybrid	Yes	5.00	0.000	1.60	2.21	0.00	0.048	0.000	5.168	0.00	39.44
15.00	1.25" Reinforcing	Yes	5.00	0.000	1.25	2.06	0.00	0.048	0.000	5.168	0.00	49.78
18.00	1.60" Hybrid	Yes	3.00	0.000	1.60	1.34	0.00	0.049	0.000	5.363	0.00	24.26
18.00	1.25" Reinforcing	Yes	3.00	0.000	1.25	1.25	0.00	0.049	0.000	5.363	0.00	30.63
20.00	1.60" Hybrid	Yes	2.00	0.000	1.60	0.90	0.00	0.049	0.000	5.483	0.00	16.40
20.00	1.25" Reinforcing	Yes	2.00	0.000	1.25	0.84	0.00	0.049	0.000	5.483	0.00	20.72
25.00	1.60" Hybrid	Yes	5.00	0.000	1.60	2.29	0.00	0.028	0.000	5.747	0.00	42.29
30.00	1.60" Hybrid	Yes	5.00	0.000	1.60	2.32	0.00	0.029	0.000	5.972	0.00	43.37
35.00	1.60" Hybrid	Yes	5.00	0.000	1.60	2.34	0.00	0.029	0.000	6.169	0.00	44.31
40.00	1.60" Hybrid	Yes	5.00	0.000	1.60	2.37	0.00	0.030	0.000	6.345	0.00	45.15
41.50	1.60" Hybrid	Yes	1.50	0.000	1.60	0.71	0.00	0.030	0.000	6.394	0.00	13.61
45.00	1.60" Hybrid	Yes	3.50	0.000	1.60	1.67	0.00	0.031	0.000	6.504	0.00	32.13
48.00	1.60" Hybrid	Yes	3.00	0.000	1.60	1.44	0.00	0.031	0.000	6.593	0.00	27.79
50.00	1.60" Hybrid	Yes	2.00	0.000	1.60	0.96	0.00	0.031	0.000	6.650	0.00	18.64
55.00	1.60" Hybrid	Yes	5.00	0.000	1.60	2.42	0.00	0.032	0.000	6.785	0.00	47.23
60.00	1.60" Hybrid	Yes	5.00	0.000	1.60	2.44	0.00	0.032	0.000	6.910	0.00	47.82
65.00	1.60" Hybrid	Yes	5.00	0.000	1.60	2.45	0.00	0.033	0.000	7.028	0.00	48.37
70.00	1.60" Hybrid	Yes	5.00	0.000	1.60	2.46	0.00	0.034	0.000	7.138	0.00	48.88
75.00	1.60" Hybrid	Yes	5.00	0.000	1.60	2.48	0.00	0.035	0.000	7.243	0.00	49.37
80.00	1.60" Hybrid	Yes	5.00	0.000	1.60	2.49	0.00	0.036	0.000	7.342	0.00	49.83
84.08	1.60" Hybrid	Yes	4.08	0.000	1.60	2.04	0.00	0.037	0.000	7.419	0.00	40.99
85.00	1.60" Hybrid	Yes	0.92	0.000	1.60	0.46	0.00	0.037	0.000	7.436	0.00	9.22
89.50	1.60" Hybrid	Yes	4.50	0.000	1.60	2.26	0.00	0.038	0.000	7.517	0.00	45.58
90.00	1.60" Hybrid	Yes	0.50	0.000	1.60	0.25	0.00	0.038	0.000	7.526	0.00	5.07
95.00	1.60" Hybrid	Yes	5.00	0.000	1.60	2.52	0.00	0.038	0.000	7.612	0.00	51.09
100.00	1.60" Hybrid	Yes	5.00	0.000	1.60	2.53	0.00	0.039	0.000	7.695	0.00	51.47
105.00	1.60" Hybrid	Yes	5.00	0.000	1.60	2.54	0.00	0.040	0.000	7.774	0.00	51.84
110.00	1.60" Hybrid	Yes	5.00	0.000	1.60	2.55	0.00	0.042	0.000	7.851	0.00	52.19
										Totals:	**0.0**	**1,206.0**

Calculated Forces

Structure:	CT10022-A-SBA	**Code:**	TIA-222-G	2/21/2022	
Site Name:	Simsbury 2, CT	**Exposure:**	C		
Height:	150.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 26	

Tower Engineering Solutions

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 22

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-95.70	-12.17	0.00	-1413.8	0.00	1413.81	3399.80	1699.90	8571.22	4291.98	0.00	0.000	0.000	0.285
1.00	-95.28	-12.17	0.00	-1401.6	0.00	1401.64	3395.30	1697.65	8527.34	4270.01	0.00	-0.011	0.000	0.257
5.00	-93.54	-12.10	0.00	-1352.9	0.00	1352.94	3376.67	1688.33	8351.12	4181.77	0.03	-0.051	0.000	0.252
10.00	-91.35	-11.99	0.00	-1292.4	0.00	1292.45	3351.94	1675.97	8129.40	4070.74	0.11	-0.101	0.000	0.246
15.00	-89.16	-11.87	0.00	-1232.4	0.00	1232.49	3325.63	1662.82	7906.28	3959.02	0.24	-0.151	0.000	0.240
18.00	-87.86	-11.80	0.00	-1196.8	0.00	1196.88	3309.09	1654.54	7771.83	3891.69	0.35	-0.181	0.000	0.236
18.00	-87.86	-11.80	0.00	-1196.8	0.00	1196.88	3309.09	1654.54	7771.83	3891.69	0.35	-0.181	0.000	0.236
20.00	-86.98	-11.79	0.00	-1173.2	0.00	1173.29	3297.74	1648.87	7681.99	3846.70	0.43	-0.202	0.000	0.331
25.00	-84.88	-11.69	0.00	-1114.3	0.00	1114.35	3268.26	1634.13	7456.75	3733.92	0.68	-0.273	0.000	0.324
30.00	-82.79	-11.59	0.00	-1055.8	0.00	1055.88	3237.20	1618.60	7230.79	3620.77	1.00	-0.346	0.000	0.317
35.00	-80.73	-11.48	0.00	-997.93	0.00	997.93	3204.54	1602.27	7004.35	3507.38	1.40	-0.419	0.000	0.310
40.00	-78.71	-11.33	0.00	-940.53	0.00	940.53	3170.31	1585.15	6777.64	3393.86	1.88	-0.492	0.000	0.302
41.50	-78.10	-11.32	0.00	-923.53	0.00	923.53	3159.73	1579.86	6709.61	3359.79	2.04	-0.515	0.000	0.300
45.00	-75.96	-11.22	0.00	-883.93	0.00	883.93	3134.49	1567.24	6550.90	3280.32	2.44	-0.567	0.000	0.294
48.00	-74.15	-11.12	0.00	-850.28	0.00	850.28	3132.30	1566.15	6537.37	3273.54	2.81	-0.612	0.000	0.283
50.00	-73.35	-11.10	0.00	-828.04	0.00	828.04	3117.49	1558.74	6446.72	3228.15	3.07	-0.643	0.000	0.280
55.00	-71.39	-10.96	0.00	-772.54	0.00	772.54	3079.35	1539.68	6220.34	3114.79	3.78	-0.714	0.000	0.271
60.00	-69.47	-10.82	0.00	-717.74	0.00	717.74	3039.63	1519.81	5994.49	3001.70	4.57	-0.786	0.000	0.262
65.00	-67.57	-10.67	0.00	-663.65	0.00	663.65	2998.32	1499.16	5769.39	2888.98	5.43	-0.857	0.000	0.252
70.00	-65.71	-10.52	0.00	-610.30	0.00	610.30	2955.43	1477.72	5545.28	2776.76	6.37	-0.928	0.000	0.242
75.00	-63.89	-10.37	0.00	-557.70	0.00	557.70	2910.95	1455.48	5322.38	2665.15	7.38	-0.998	0.000	0.231
80.00	-62.10	-10.20	0.00	-505.87	0.00	505.87	2864.89	1432.44	5100.92	2554.25	8.46	-1.066	0.000	0.220
84.08	-60.67	-10.05	0.00	-464.21	0.00	464.21	2826.09	1413.05	4921.28	2464.30	9.40	-1.122	0.000	0.210
85.00	-60.22	-10.04	0.00	-455.00	0.00	455.00	2817.24	1408.62	4881.12	2444.19	9.61	-1.134	0.000	0.208
89.50	-58.05	-9.86	0.00	-409.81	0.00	409.81	2031.94	1015.97	3485.43	1745.31	10.71	-1.193	0.000	0.263
90.00	-57.89	-9.88	0.00	-404.88	0.00	404.88	2029.15	1014.57	3470.92	1738.04	10.84	-1.200	0.000	0.262
95.00	-56.35	-9.72	0.00	-355.51	0.00	355.51	2000.34	1000.17	3325.82	1665.38	12.13	-1.275	0.000	0.242
100.00	-54.85	-9.56	0.00	-306.91	0.00	306.91	1969.95	984.97	3180.92	1592.82	13.51	-1.346	0.000	0.221
105.00	-53.38	-9.40	0.00	-259.11	0.00	259.11	1937.97	968.98	3036.44	1520.48	14.96	-1.413	0.000	0.198
110.00	-46.03	-7.94	0.00	-212.13	0.00	212.13	1904.40	952.20	2892.62	1448.46	16.47	-1.473	0.000	0.171
115.00	-44.68	-7.77	0.00	-172.41	0.00	172.41	1869.25	934.63	2749.69	1376.89	18.04	-1.528	0.000	0.149
120.00	-43.36	-7.58	0.00	-133.58	0.00	133.58	1832.52	916.26	2607.87	1305.87	19.67	-1.575	0.000	0.126
123.00	-35.90	-6.21	0.00	-110.85	0.00	110.85	1809.72	904.86	2523.40	1263.58	20.67	-1.600	0.000	0.108
125.00	-35.40	-6.14	0.00	-98.43	0.00	98.43	1794.20	897.10	2467.38	1235.52	21.34	-1.615	0.000	0.099
127.92	-34.68	-6.02	0.00	-80.54	0.00	80.54	1771.11	885.56	2386.14	1194.84	22.33	-1.635	0.000	0.087
130.00	-34.00	-5.94	0.00	-67.99	0.00	67.99	1754.29	877.15	2328.47	1165.96	23.05	-1.648	0.000	0.078
131.00	-23.71	-4.37	0.00	-62.05	0.00	62.05	1746.12	873.06	2300.89	1152.16	23.40	-1.653	0.000	0.067
132.08	-23.38	-4.32	0.00	-57.32	0.00	57.32	1160.48	580.24	1541.12	771.71	23.77	-1.659	0.000	0.094
135.00	-22.79	-4.22	0.00	-44.71	0.00	44.71	1148.82	574.41	1493.54	747.88	24.79	-1.672	0.000	0.080
140.00	-13.31	-2.44	0.00	-23.63	0.00	23.63	1127.58	563.79	1411.91	707.01	26.55	-1.692	0.000	0.045
145.00	-12.42	-2.26	0.00	-11.41	0.00	11.41	1104.76	552.38	1330.41	666.20	28.33	-1.704	0.000	0.028
150.00	0.00	-1.89	0.00	-0.11	0.00	0.11	1080.36	540.18	1249.27	625.56	30.12	-1.708	0.000	0.000

Seismic Segment Forces (Factored)

Structure:	CT10022-A-SBA	**Code:**	TIA-222-G	2/21/2022	
Site Name:	Simsbury 2, CT	**Exposure:**	C		
Height:	150.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 27	

Tower Engineering Solutions

Load Case:	1.2D + 1.0E							**Iterations**	20
Gust Response Factor	1.10				**Sds**	0.19		**Ss**	0.18
Dead Load Factor	1.20	**Seismic Load Factor**	1.00		**Sd1**	0.10		**S1**	0.06
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.33		**SA**	0.03	**Seismic Importance Factor**		1.00

Top Elev (ft)	Description	Wz (lb)	a	b	c	Lateral Fs (lb)	R: 1.50
0.00	RB1	0.00	0.00	0.00	0.00	0.00	
1.00	RT1 RB2	206.12	0.00	0.01	0.00	1.09	
5.00		816.66	0.00	0.03	0.02	15.33	
10.00		1003.2	0.01	0.05	0.03	27.17	
15.00		983.74	0.02	0.06	0.04	30.64	
18.00	RT2	580.87	0.03	0.07	0.04	18.91	
20.00		383.34	0.03	0.07	0.04	12.74	
25.00		944.70	0.05	0.07	0.04	32.53	
30.00		925.18	0.08	0.07	0.04	32.69	
35.00		905.65	0.10	0.07	0.04	32.79	
40.00		886.13	0.13	0.07	0.03	32.82	
41.50	Bot - Section 2	262.03	0.14	0.07	0.03	9.76	
45.00		1216.5	0.17	0.07	0.03	45.80	
48.00	Top - Section 1	1027.5	0.19	0.06	0.02	38.79	
50.00		340.71	0.21	0.06	0.02	12.82	
55.00		838.12	0.25	0.05	0.02	30.52	
60.00		818.60	0.30	0.04	0.01	27.19	
65.00		799.08	0.35	0.03	0.01	21.76	
70.00		779.55	0.41	0.01	0.01	13.97	
75.00		760.03	0.47	-0.01	0.01	4.20	
80.00		740.51	0.54	-0.03	0.01	-6.27	
84.08	Bot - Section 3	590.27	0.59	-0.05	0.01	-11.47	
85.00		236.69	0.61	-0.06	0.02	-5.13	
89.50	Top - Section 2	1144.8	0.67	-0.08	0.02	-35.43	
90.00		56.17	0.68	-0.08	0.03	-1.78	
95.00		553.15	0.76	-0.10	0.04	-20.61	
100.00		537.54	0.84	-0.12	0.07	-20.22	
105.00		521.92	0.93	-0.12	0.10	-17.09	
110.00	Appurtenance(s)	2865.4	1.02	-0.11	0.14	-65.33	
115.00		490.69	1.11	-0.06	0.19	-3.85	
120.00		475.07	1.21	0.01	0.26	5.74	
123.00	Appurtenance(s)	2785.9	1.27	0.08	0.31	73.67	
125.00		181.91	1.31	0.14	0.35	6.73	
127.92	Bot - Section 4	260.80	1.37	0.24	0.41	14.05	
130.00		322.15	1.42	0.32	0.45	21.59	
131.00	Appurtenance(s)	3834.0	1.44	0.37	0.48	282.26	
132.08	Top - Section 3	164.46	1.47	0.42	0.50	13.32	
135.00		188.51	1.53	0.58	0.58	19.26	
140.00	Appurtenance(s)	3408.0	1.65	0.93	0.73	485.97	
145.00		302.17	1.77	1.39	0.92	56.94	
150.00	Appurtenance(s)	3739.7	1.89	1.98	1.14	896.76	
	Totals:	**37,877.9**				**2,130.6**	**Total Wind:** **37,523.5**

Calculated Forces

Structure:	CT10022-A-SBA	**Code:**	TIA-222-G	2/21/2022	
Site Name:	Simsbury 2, CT	**Exposure:**	C		
Height:	150.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 28	

Tower Engineering Solutions

Load Case:	1.2D + 1.0E							**Iterations**	20
Gust Response Factor	1.10			**Sds**	0.19			**Ss**	0.18
Dead Load Factor	1.20	**Seismic Load Factor**	1.00	**Sd1**	0.10			**S1**	0.06
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.33	**SA**	0.03	**Seismic Importance Factor**			1.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-51.57	-2.32	0.00	-296.99	0.00	296.99	3399.80	1699.90	8571.22	4291.98		0.00	0.00	0.068
1.00	-51.28	-2.32	0.00	-294.67	0.00	294.67	3395.30	1697.65	8527.34	4270.01		0.00	0.00	0.061
5.00	-50.12	-2.31	0.00	-285.38	0.00	285.38	3376.67	1688.33	8351.12	4181.77		0.01	-0.01	0.060
10.00	-48.70	-2.30	0.00	-273.81	0.00	273.81	3351.94	1675.97	8129.40	4070.74		0.02	-0.02	0.058
15.00	-47.29	-2.27	0.00	-262.33	0.00	262.33	3325.63	1662.82	7906.28	3959.02		0.05	-0.03	0.057
18.00	-46.46	-2.26	0.00	-255.52	0.00	255.52	3309.09	1654.54	7771.83	3891.69		0.07	-0.04	0.056
18.00	-46.46	-2.26	0.00	-255.52	0.00	255.52	3309.09	1654.54	7771.83	3891.69		0.07	-0.04	0.056
20.00	-45.91	-2.25	0.00	-251.01	0.00	251.01	3297.74	1648.87	7681.99	3846.70		0.09	-0.04	0.079
25.00	-44.56	-2.23	0.00	-239.75	0.00	239.75	3268.26	1634.13	7456.75	3733.92		0.14	-0.06	0.078
30.00	-43.22	-2.21	0.00	-228.60	0.00	228.60	3237.20	1618.60	7230.79	3620.77		0.21	-0.07	0.076
35.00	-41.91	-2.18	0.00	-217.57	0.00	217.57	3204.54	1602.27	7004.35	3507.38		0.30	-0.09	0.075
40.00	-40.63	-2.16	0.00	-206.64	0.00	206.64	3170.31	1585.15	6777.64	3393.86		0.40	-0.11	0.074
41.50	-40.25	-2.15	0.00	-203.41	0.00	203.41	3159.73	1579.86	6709.61	3359.79		0.43	-0.11	0.073
45.00	-38.63	-2.11	0.00	-195.88	0.00	195.88	3134.49	1567.24	6550.90	3280.32		0.52	-0.12	0.072
48.00	-37.26	-2.07	0.00	-189.55	0.00	189.55	3132.30	1566.15	6537.37	3273.54		0.60	-0.13	0.070
50.00	-36.77	-2.07	0.00	-185.40	0.00	185.40	3117.49	1558.74	6446.72	3228.15		0.66	-0.14	0.069
55.00	-35.54	-2.04	0.00	-175.06	0.00	175.06	3079.35	1539.68	6220.34	3114.79		0.81	-0.16	0.068
60.00	-34.33	-2.02	0.00	-164.84	0.00	164.84	3039.63	1519.81	5994.49	3001.70		0.98	-0.17	0.066
65.00	-33.15	-2.01	0.00	-154.73	0.00	154.73	2998.32	1499.16	5769.39	2888.98		1.17	-0.19	0.065
70.00	-31.99	-2.00	0.00	-144.69	0.00	144.69	2955.43	1477.72	5545.28	2776.76		1.38	-0.20	0.063
75.00	-30.86	-2.00	0.00	-134.70	0.00	134.70	2910.95	1455.48	5322.38	2665.15		1.60	-0.22	0.061
80.00	-29.75	-2.00	0.00	-124.71	0.00	124.71	2864.89	1432.44	5100.92	2554.25		1.84	-0.24	0.059
84.08	-28.86	-2.00	0.00	-116.53	0.00	116.53	2826.09	1413.05	4921.28	2464.30		2.05	-0.25	0.057
85.00	-28.53	-2.01	0.00	-114.69	0.00	114.69	2817.24	1408.62	4881.12	2444.19		2.10	-0.25	0.057
89.50	-26.96	-2.00	0.00	-105.67	0.00	105.67	2031.94	1015.97	3485.43	1745.31		2.35	-0.27	0.074
90.00	-26.87	-2.01	0.00	-104.67	0.00	104.67	2029.15	1014.57	3470.92	1738.04		2.38	-0.27	0.073
95.00	-25.98	-2.01	0.00	-94.63	0.00	94.63	2000.34	1000.17	3325.82	1665.38		2.67	-0.29	0.070
100.00	-25.11	-2.02	0.00	-84.57	0.00	84.57	1969.95	984.97	3180.92	1592.82		2.99	-0.31	0.066
105.00	-24.26	-2.02	0.00	-74.49	0.00	74.49	1937.97	968.98	3036.44	1520.48		3.32	-0.33	0.062
110.00	-20.60	-2.00	0.00	-64.39	0.00	64.39	1904.40	952.20	2892.62	1448.46		3.68	-0.35	0.055
115.00	-19.80	-2.00	0.00	-54.38	0.00	54.38	1869.25	934.63	2749.69	1376.89		4.05	-0.36	0.050
120.00	-19.01	-2.00	0.00	-44.35	0.00	44.35	1832.52	916.26	2607.87	1305.87		4.44	-0.38	0.044
123.00	-15.54	-1.90	0.00	-38.36	0.00	38.36	1809.72	904.86	2523.40	1263.58		4.68	-0.39	0.039
125.00	-15.24	-1.90	0.00	-34.56	0.00	34.56	1794.20	897.10	2467.38	1235.52		4.84	-0.39	0.036
127.92	-14.81	-1.88	0.00	-29.03	0.00	29.03	1771.11	885.56	2386.14	1194.84		5.09	-0.40	0.033
130.00	-14.35	-1.86	0.00	-25.11	0.00	25.11	1754.29	877.15	2328.47	1165.96		5.26	-0.40	0.030
131.00	-9.71	-1.54	0.00	-23.26	0.00	23.26	1746.12	873.06	2300.89	1152.16		5.35	-0.41	0.026
132.08	-9.48	-1.53	0.00	-21.59	0.00	21.59	1160.48	580.24	1541.12	771.71		5.44	-0.41	0.036
135.00	-9.18	-1.51	0.00	-17.14	0.00	17.14	1148.82	574.41	1493.54	747.88		5.69	-0.41	0.031
140.00	-4.96	-0.99	0.00	-9.60	0.00	9.60	1127.58	563.79	1411.91	707.01		6.13	-0.42	0.018
145.00	-4.53	-0.93	0.00	-4.65	0.00	4.65	1104.76	552.38	1330.41	666.20		6.57	-0.43	0.011
150.00	0.00	-0.90	0.00	0.00	0.00	0.00	1080.36	540.18	1249.27	625.56		7.02	-0.43	0.000

Seismic Segment Forces (Factored)

Structure:	CT10022-A-SBA	**Code:**	TIA-222-G	2/21/2022	
Site Name:	Simsbury 2, CT	**Exposure:**	C		
Height:	150.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 29	

Tower Engineering Solutions

Load Case:	0.9D + 1.0E							**Iterations**	20
Gust Response Factor	1.10				**Sds**	0.19		**Ss**	0.18
Dead Load Factor	0.90	**Seismic Load Factor**	1.00		**Sd1**	0.10		**S1**	0.06
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.33		**SA**	0.03	**Seismic Importance Factor**		1.00

Top Elev (ft)	Description	Wz (lb)	a	b	c	Lateral Fs (lb)	R: 1.50
0.00	RB1	0.00	0.00	0.00	0.00	0.00	
1.00	RT1 RB2	206.12	0.00	0.01	0.00	1.09	
5.00		816.66	0.00	0.03	0.02	15.33	
10.00		1003.2	0.01	0.05	0.03	27.17	
15.00		983.74	0.02	0.06	0.04	30.64	
18.00	RT2	580.87	0.03	0.07	0.04	18.91	
20.00		383.34	0.03	0.07	0.04	12.74	
25.00		944.70	0.05	0.07	0.04	32.53	
30.00		925.18	0.08	0.07	0.04	32.69	
35.00		905.65	0.10	0.07	0.04	32.79	
40.00		886.13	0.13	0.07	0.03	32.82	
41.50	Bot - Section 2	262.03	0.14	0.07	0.03	9.76	
45.00		1216.5	0.17	0.07	0.03	45.80	
48.00	Top - Section 1	1027.5	0.19	0.06	0.02	38.79	
50.00		340.71	0.21	0.06	0.02	12.82	
55.00		838.12	0.25	0.05	0.02	30.52	
60.00		818.60	0.30	0.04	0.01	27.19	
65.00		799.08	0.35	0.03	0.01	21.76	
70.00		779.55	0.41	0.01	0.01	13.97	
75.00		760.03	0.47	-0.01	0.01	4.20	
80.00		740.51	0.54	-0.03	0.01	-6.27	
84.08	Bot - Section 3	590.27	0.59	-0.05	0.01	-11.47	
85.00		236.69	0.61	-0.06	0.02	-5.13	
89.50	Top - Section 2	1144.8	0.67	-0.08	0.02	-35.43	
90.00		56.17	0.68	-0.08	0.03	-1.78	
95.00		553.15	0.76	-0.10	0.04	-20.61	
100.00		537.54	0.84	-0.12	0.07	-20.22	
105.00		521.92	0.93	-0.12	0.10	-17.09	
110.00	Appurtenance(s)	2865.4	1.02	-0.11	0.14	-65.33	
115.00		490.69	1.11	-0.06	0.19	-3.85	
120.00		475.07	1.21	0.01	0.26	5.74	
123.00	Appurtenance(s)	2785.9	1.27	0.08	0.31	73.67	
125.00		181.91	1.31	0.14	0.35	6.73	
127.92	Bot - Section 4	260.80	1.37	0.24	0.41	14.05	
130.00		322.15	1.42	0.32	0.45	21.59	
131.00	Appurtenance(s)	3834.0	1.44	0.37	0.48	282.26	
132.08	Top - Section 3	164.46	1.47	0.42	0.50	13.32	
135.00		188.51	1.53	0.58	0.58	19.26	
140.00	Appurtenance(s)	3408.0	1.65	0.93	0.73	485.97	
145.00		302.17	1.77	1.39	0.92	56.94	
150.00	Appurtenance(s)	3739.7	1.89	1.98	1.14	896.76	
	Totals:	**37,877.9**				**2,130.6**	**Total Wind:** **37,523.5**

Calculated Forces

Structure:	CT10022-A-SBA	**Code:**	TIA-222-G	2/21/2022	
Site Name:	Simsbury 2, CT	**Exposure:**	C		
Height:	150.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 30	

Tower Engineering Solutions

Load Case:	0.9D + 1.0E							**Iterations**	20
Gust Response Factor	1.10			**Sds**	0.19			**Ss**	0.18
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.10			**S1**	0.06
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.33	**SA**	0.03	**Seismic Importance Factor**			1.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-38.68	-2.32	0.00	-293.57	0.00	293.57	3399.80	1699.90	8571.22	4291.98		0.00	0.00	0.064
1.00	-38.46	-2.32	0.00	-291.25	0.00	291.25	3395.30	1697.65	8527.34	4270.01		0.00	0.00	0.057
5.00	-37.59	-2.31	0.00	-281.97	0.00	281.97	3376.67	1688.33	8351.12	4181.77		0.01	-0.01	0.056
10.00	-36.52	-2.29	0.00	-270.42	0.00	270.42	3351.94	1675.97	8129.40	4070.74		0.02	-0.02	0.055
15.00	-35.47	-2.26	0.00	-258.97	0.00	258.97	3325.63	1662.82	7906.28	3959.02		0.05	-0.03	0.054
18.00	-34.85	-2.25	0.00	-252.18	0.00	252.18	3309.09	1654.54	7771.83	3891.69		0.07	-0.04	0.053
18.00	-34.85	-2.25	0.00	-252.18	0.00	252.18	3309.09	1654.54	7771.83	3891.69		0.07	-0.04	0.053
20.00	-34.43	-2.24	0.00	-247.68	0.00	247.68	3297.74	1648.87	7681.99	3846.70		0.09	-0.04	0.075
25.00	-33.42	-2.22	0.00	-236.48	0.00	236.48	3268.26	1634.13	7456.75	3733.92		0.14	-0.06	0.074
30.00	-32.42	-2.19	0.00	-225.40	0.00	225.40	3237.20	1618.60	7230.79	3620.77		0.21	-0.07	0.072
35.00	-31.43	-2.17	0.00	-214.44	0.00	214.44	3204.54	1602.27	7004.35	3507.38		0.29	-0.09	0.071
40.00	-30.47	-2.14	0.00	-203.61	0.00	203.61	3170.31	1585.15	6777.64	3393.86		0.40	-0.10	0.070
41.50	-30.18	-2.13	0.00	-200.41	0.00	200.41	3159.73	1579.86	6709.61	3359.79		0.43	-0.11	0.069
45.00	-28.97	-2.09	0.00	-192.95	0.00	192.95	3134.49	1567.24	6550.90	3280.32		0.51	-0.12	0.068
48.00	-27.95	-2.05	0.00	-186.68	0.00	186.68	3132.30	1566.15	6537.37	3273.54		0.59	-0.13	0.066
50.00	-27.57	-2.04	0.00	-182.58	0.00	182.58	3117.49	1558.74	6446.72	3228.15		0.65	-0.14	0.065
55.00	-26.65	-2.02	0.00	-172.37	0.00	172.37	3079.35	1539.68	6220.34	3114.79		0.80	-0.15	0.064
60.00	-25.75	-1.99	0.00	-162.28	0.00	162.28	3039.63	1519.81	5994.49	3001.70		0.97	-0.17	0.063
65.00	-24.86	-1.98	0.00	-152.31	0.00	152.31	2998.32	1499.16	5769.39	2888.98		1.16	-0.19	0.061
70.00	-23.99	-1.97	0.00	-142.42	0.00	142.42	2955.43	1477.72	5545.28	2776.76		1.36	-0.20	0.059
75.00	-23.14	-1.97	0.00	-132.58	0.00	132.58	2910.95	1455.48	5322.38	2665.15		1.58	-0.22	0.058
80.00	-22.31	-1.97	0.00	-122.75	0.00	122.75	2864.89	1432.44	5100.92	2554.25		1.82	-0.23	0.056
84.08	-21.64	-1.97	0.00	-114.71	0.00	114.71	2826.09	1413.05	4921.28	2464.30		2.02	-0.25	0.054
85.00	-21.40	-1.97	0.00	-112.90	0.00	112.90	2817.24	1408.62	4881.12	2444.19		2.07	-0.25	0.054
89.50	-20.22	-1.97	0.00	-104.03	0.00	104.03	2031.94	1015.97	3485.43	1745.31		2.31	-0.27	0.070
90.00	-20.15	-1.97	0.00	-103.04	0.00	103.04	2029.15	1014.57	3470.92	1738.04		2.34	-0.27	0.069
95.00	-19.48	-1.98	0.00	-93.18	0.00	93.18	2000.34	1000.17	3325.82	1665.38		2.63	-0.29	0.066
100.00	-18.83	-1.98	0.00	-83.29	0.00	83.29	1969.95	984.97	3180.92	1592.82		2.94	-0.31	0.062
105.00	-18.19	-1.98	0.00	-73.40	0.00	73.40	1937.97	968.98	3036.44	1520.48		3.27	-0.32	0.058
110.00	-15.45	-1.97	0.00	-63.49	0.00	63.49	1904.40	952.20	2892.62	1448.46		3.62	-0.34	0.052
115.00	-14.84	-1.97	0.00	-53.64	0.00	53.64	1869.25	934.63	2749.69	1376.89		3.99	-0.36	0.047
120.00	-14.25	-1.96	0.00	-43.79	0.00	43.79	1832.52	916.26	2607.87	1305.87		4.38	-0.37	0.041
123.00	-11.65	-1.87	0.00	-37.89	0.00	37.89	1809.72	904.86	2523.40	1263.58		4.61	-0.38	0.036
125.00	-11.43	-1.87	0.00	-34.14	0.00	34.14	1794.20	897.10	2467.38	1235.52		4.77	-0.39	0.034
127.92	-11.11	-1.85	0.00	-28.70	0.00	28.70	1771.11	885.56	2386.14	1194.84		5.01	-0.39	0.030
130.00	-10.76	-1.83	0.00	-24.84	0.00	24.84	1754.29	877.15	2328.47	1165.96		5.19	-0.40	0.027
131.00	-7.28	-1.52	0.00	-23.01	0.00	23.01	1746.12	873.06	2300.89	1152.16		5.27	-0.40	0.024
132.08	-7.11	-1.51	0.00	-21.36	0.00	21.36	1160.48	580.24	1541.12	771.71		5.36	-0.40	0.034
135.00	-6.88	-1.49	0.00	-16.96	0.00	16.96	1148.82	574.41	1493.54	747.88		5.61	-0.41	0.029
140.00	-3.71	-0.98	0.00	-9.51	0.00	9.51	1127.58	563.79	1411.91	707.01		6.04	-0.42	0.017
145.00	-3.39	-0.92	0.00	-4.61	0.00	4.61	1104.76	552.38	1330.41	666.20		6.48	-0.42	0.010
150.00	0.00	-0.90	0.00	0.00	0.00	0.00	1080.36	540.18	1249.27	625.56		6.92	-0.42	0.000

Wind Loading - Shaft

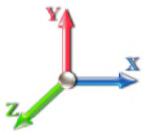
Structure:	CT10022-A-SBA	**Code:**	TIA-222-G	2/21/2022	
Site Name:	Simsbury 2, CT	**Exposure:**	C		
Height:	150.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 31	

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 21

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00	RB1	1.00	0.85	7.442	8.19	287.87	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
1.00	RT1 RB2	1.00	0.85	7.442	8.19	286.79	0.650	0.000	1.00	5.194	3.38	27.6	0.0	206.1
5.00		1.00	0.85	7.442	8.19	282.46	0.650	0.000	4.00	20.581	13.38	109.5	0.0	816.7
10.00		1.00	0.85	7.442	8.19	277.04	0.650	0.000	5.00	25.286	16.44	134.5	0.0	1003.3
15.00		1.00	0.85	7.442	8.19	271.63	0.650	0.000	5.00	24.797	16.12	131.9	0.0	983.7
18.00	RT2	1.00	0.88	7.723	8.50	273.40	0.650	0.000	3.00	14.643	9.52	80.9	0.0	580.9
20.00		1.00	0.90	7.896	8.69	274.22	0.650	0.000	2.00	9.664	6.28	54.6	0.0	383.3
25.00		1.00	0.95	8.276	9.10	275.03	0.650	0.000	5.00	23.818	15.48	140.9	0.0	944.7
30.00		1.00	0.98	8.600	9.46	274.54	0.650	0.000	5.00	23.328	15.16	143.4	0.0	925.2
35.00		1.00	1.01	8.883	9.77	273.11	0.650	0.000	5.00	22.839	14.85	145.1	0.0	905.7
40.00		1.00	1.04	9.137	10.05	270.98	0.650	0.000	5.00	22.350	14.53	146.0	0.0	886.1
41.50	Bot - Section 2	1.00	1.05	9.208	10.13	270.22	0.650	0.000	1.50	6.609	4.30	43.5	0.0	262.0
45.00		1.00	1.07	9.366	10.30	268.28	0.650	0.000	3.50	15.436	10.03	103.4	0.0	1216.5
48.00	Top - Section 1	1.00	1.08	9.494	10.44	266.44	0.650	0.000	3.00	13.040	8.48	88.5	0.0	1027.5
50.00		1.00	1.09	9.576	10.53	268.45	0.650	0.000	2.00	8.595	5.59	58.9	0.0	340.7
55.00		1.00	1.12	9.770	10.75	264.95	0.650	0.000	5.00	21.146	13.74	147.7	0.0	838.1
60.00		1.00	1.14	9.951	10.95	261.13	0.650	0.000	5.00	20.656	13.43	147.0	0.0	818.6
65.00		1.00	1.16	10.120	11.13	257.02	0.650	0.000	5.00	20.167	13.11	145.9	0.0	799.1
70.00		1.00	1.17	10.279	11.31	252.67	0.650	0.000	5.00	19.677	12.79	144.6	0.0	779.6
75.00		1.00	1.19	10.430	11.47	248.10	0.650	0.000	5.00	19.188	12.47	143.1	0.0	760.0
80.00		1.00	1.21	10.572	11.63	243.34	0.650	0.000	5.00	18.698	12.15	141.3	0.0	740.5
84.08	Bot - Section 3	1.00	1.22	10.684	11.75	239.32	0.650	0.000	4.08	14.907	9.69	113.9	0.0	590.3
85.00		1.00	1.22	10.708	11.78	238.40	0.650	0.000	0.92	3.340	2.17	25.6	0.0	236.7
89.50	Top - Section 2	1.00	1.24	10.825	11.91	233.82	0.650	0.000	4.50	16.160	10.50	125.1	0.0	1144.8
90.00		1.00	1.24	10.838	11.92	236.13	0.650	0.000	0.50	1.771	1.15	13.7	0.0	56.2
95.00		1.00	1.25	10.962	12.06	230.91	0.650	0.000	5.00	17.442	11.34	136.7	0.0	553.2
100.00		1.00	1.27	11.081	12.19	225.55	0.650	0.000	5.00	16.952	11.02	134.3	0.0	537.5
105.00		1.00	1.28	11.195	12.31	220.07	0.650	0.000	5.00	16.463	10.70	131.8	0.0	521.9
110.00	Appurtenance(s)	1.00	1.29	11.305	12.44	214.48	0.650	0.000	5.00	15.973	10.38	129.1	0.0	506.3
115.00		1.00	1.30	11.412	12.55	208.78	0.650	0.000	5.00	15.484	10.06	126.3	0.0	490.7
120.00		1.00	1.32	11.514	12.67	202.98	0.650	0.000	5.00	14.995	9.75	123.4	0.0	475.1
123.00	Appurtenance(s)	1.00	1.32	11.574	12.73	199.46	0.650	0.000	3.00	8.762	5.70	72.5	0.0	277.5
125.00		1.00	1.33	11.614	12.78	197.09	0.650	0.000	2.00	5.743	3.73	47.7	0.0	181.9
127.92	Bot - Section 4	1.00	1.33	11.670	12.84	193.61	0.650	0.000	2.92	8.235	5.35	68.7	0.0	260.8
130.00		1.00	1.34	11.710	12.88	191.11	0.650	0.000	2.08	5.846	3.80	49.0	0.0	322.2
131.00	Appurtenance(s)	1.00	1.34	11.729	12.90	189.91	0.650	0.000	1.00	2.776	1.80	23.3	0.0	152.9
132.08	Top - Section 3	1.00	1.34	11.749	12.92	188.60	0.650	0.000	1.08	2.985	1.94	25.1	0.0	164.5
135.00		1.00	1.35	11.803	12.98	187.27	0.650	0.000	2.92	7.923	5.15	66.9	0.0	188.5
140.00	Appurtenance(s)	1.00	1.36	11.894	13.08	181.14	0.650	0.000	5.00	13.195	8.58	112.2	0.0	313.9
145.00		1.00	1.37	11.982	13.18	174.94	0.650	0.000	5.00	12.706	8.26	108.9	0.0	302.2
150.00	Appurtenance(s)	1.00	1.38	12.068	13.27	168.67	0.650	0.000	5.00	12.217	7.94	105.4	0.0	290.5
								Totals:	**150.00**			**4,018.0**		**22,785.8**

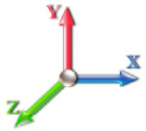
Discrete Appurtenance Forces

Structure:	CT10022-A-SBA	**Code:**	TIA-222-G	2/21/2022	
Site Name:	Simsbury 2, CT	**Exposure:**	C		
Height:	150.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 32	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 21

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	150.00	RRUS-32	3	12.068	13.275	0.45	0.90	4.06	159.00	0.000	0.000	53.94	0.00	0.00
2	150.00	800 10121	3	12.080	13.289	0.71	0.90	10.98	138.90	0.000	0.730	145.97	0.00	106.56
3	150.00	TPA-65R-LCUUUU-H8	2	12.068	13.275	0.75	0.90	19.87	150.00	0.000	0.000	263.78	0.00	0.00
4	150.00	QS66512-2	1	12.068	13.275	1.00	1.00	8.13	111.00	0.000	0.000	107.93	0.00	0.00
5	150.00	HPA-65R-BUU-H8	2	12.068	13.275	0.71	0.90	18.46	136.00	0.000	0.000	245.02	0.00	0.00
6	150.00	Low Profile	1	12.068	13.275	1.00	1.00	22.00	1500.00	0.000	0.000	292.05	0.00	0.00
7	150.00	DTMABP7819VG12A	6	12.068	13.275	0.45	0.90	3.08	115.20	0.000	0.000	40.86	0.00	0.00
8	150.00	TPX-070821	6	12.068	13.275	0.45	0.90	1.27	45.00	0.000	0.000	16.85	0.00	0.00
9	150.00	RRUS-11	3	12.068	13.275	0.45	0.90	3.77	150.00	0.000	0.000	50.00	0.00	0.00
10	150.00	LMU Antenna	1	12.068	13.275	1.00	1.00	1.67	8.50	0.000	0.000	22.17	0.00	0.00
11	150.00	Cci HPA-65R-BUU-H6	3	12.068	13.275	0.77	0.90	22.17	153.00	0.000	0.000	294.30	0.00	0.00
12	150.00	ABT-DFDM-ADB	3	12.068	13.275	0.45	0.90	0.07	3.30	0.000	0.000	0.90	0.00	0.00
13	150.00	Ericsson 4478 B5	3	12.068	13.275	0.45	0.90	2.48	179.70	0.000	0.000	32.98	0.00	0.00
14	150.00	Ericsson 4426 B66	3	12.068	13.275	0.45	0.90	1.55	145.50	0.000	0.000	20.61	0.00	0.00
15	150.00	RRUS-32	3	12.068	13.275	0.45	0.90	0.89	231.00	0.000	0.000	11.83	0.00	0.00
16	150.00	DBC-750	3	12.068	13.275	0.45	0.90	0.69	14.40	0.000	0.000	9.14	0.00	0.00
17	150.00	4426 B66	3	12.068	13.275	0.45	0.90	2.21	145.20	0.000	0.000	29.39	0.00	0.00
18	150.00	DC6-48-60-18-8F	2	12.068	13.275	0.60	0.90	1.11	63.60	0.000	0.000	14.73	0.00	0.00
19	140.00	BSAMNT-SBS-2-2	3	11.894	13.084	1.00	1.00	10.50	201.00	0.000	0.000	137.38	0.00	0.00
20	140.00	Low Profile Platform	1	11.894	13.084	1.00	1.00	22.00	1500.00	0.000	0.000	287.84	0.00	0.00
21	140.00	CBRS RRH-RT4401	3	11.894	13.084	0.38	0.75	0.96	45.60	0.000	0.000	12.51	0.00	0.00
22	140.00	XXDWMM-12.5-65-8T-CB	3	11.894	13.084	0.38	0.75	1.33	69.30	0.000	0.000	17.37	0.00	0.00
23	140.00	B5/B13 RRHBR04C	3	11.894	13.084	0.38	0.75	2.11	211.20	0.000	0.000	27.67	0.00	0.00
24	140.00	B2/B66A RRHBR049	3	11.894	13.084	0.38	0.75	7.32	396.60	0.000	0.000	95.82	0.00	0.00
25	140.00	RVZDC-6627-PF48	2	11.894	13.084	1.00	1.00	7.58	64.00	0.000	0.000	99.17	0.00	0.00
26	140.00	SamsungMT6407-77A	1	11.894	13.084	0.52	0.75	2.46	79.40	0.000	0.000	32.21	0.00	0.00
27	140.00	Andrew SBNHH-1D65B	6	11.894	13.084	0.58	0.75	28.36	436.20	0.000	0.000	371.06	0.00	0.00
28	140.00	Antel	3	11.894	13.084	0.66	0.75	7.05	90.90	0.000	0.000	92.22	0.00	0.00
29	131.00	APXVAALL24-43-U-NA20	3	11.729	12.902	0.52	0.75	31.88	368.40	0.000	0.000	411.28	0.00	0.00
30	131.00	AIR6449 B41	3	11.729	12.902	0.53	0.75	9.03	309.00	0.000	0.000	116.45	0.00	0.00
31	131.00	AIR32	3	11.729	12.902	0.65	0.75	12.74	396.60	0.000	0.000	164.41	0.00	0.00
32	131.00	PV-LPPGS-12M-HR2-AP3	1	11.729	12.902	1.00	1.00	34.10	2155.00	0.000	0.000	439.95	0.00	0.00
33	131.00	KRY 112 144-1 Double	3	11.729	12.902	0.38	0.75	0.46	33.00	0.000	0.000	5.95	0.00	0.00
34	131.00	ATMAA1412D-1A20 TMA	3	11.729	12.902	0.38	0.75	1.32	39.00	0.000	0.000	16.98	0.00	0.00
35	131.00	SDX1926Q-43 Diplexer	3	11.729	12.902	0.38	0.75	0.33	18.00	0.000	0.000	4.21	0.00	0.00
36	131.00	Radio 4449 B71+B85	3	11.729	12.902	0.38	0.75	2.22	219.60	0.000	0.000	28.59	0.00	0.00
37	131.00	Ericsson 4415 B25	3	11.729	12.902	0.38	0.75	1.84	138.00	0.000	0.000	23.80	0.00	0.00
38	131.00	Bias-T 782 11056	3	11.729	12.902	0.38	0.75	0.15	4.50	0.000	0.000	1.89	0.00	0.00
39	123.00	ALU - TD-RRH8x20-25 -	3	11.574	12.732	0.38	0.75	4.56	210.00	0.000	0.000	58.01	0.00	0.00
40	123.00	APXVSPP18-C-A20	2	11.574	12.732	0.62	0.75	9.98	114.00	0.000	0.000	127.13	0.00	0.00
41	123.00	ALU - 1900 MHz RRH -	3	11.574	12.732	0.38	0.75	3.05	180.00	0.000	0.000	38.82	0.00	0.00
42	123.00	APXVTM14-C-I20	3	11.574	12.732	0.59	0.75	11.27	165.00	0.000	0.000	143.48	0.00	0.00
43	123.00	RFS - ACU-A20-N - RET	4	11.574	12.732	0.38	0.75	0.21	4.00	0.000	0.000	2.67	0.00	0.00
44	123.00	APXVSPP18-C-A20 (50	1	11.574	12.732	0.75	0.75	6.01	50.00	0.000	0.000	76.58	0.00	0.00
45	123.00	ALU - 800 MHz Filter	3	11.574	12.732	0.50	0.75	1.18	26.40	0.000	0.000	14.97	0.00	0.00
46	123.00	ALU - 800 MHz RRH -	3	11.574	12.732	0.38	0.75	2.80	159.00	0.000	0.000	35.66	0.00	0.00
47	123.00	Platform w/ HRK Handrail	1	11.574	12.732	1.00	1.00	32.00	1600.00	0.000	0.000	407.42	0.00	0.00

Discrete Appurtenance Forces

Structure:	CT10022-A-SBA		**Code:**	TIA-222-G	2/21/2022
Site Name:	Simsbury 2, CT		**Exposure:**	C	
Height:	150.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 33

48	110.00	Raycap	1	11.305	12.436	0.75	0.75	1.51	21.90	0.000	0.000	18.75	0.00	0.00
49	110.00	Fujitsu TA08025-B604	3	11.305	12.436	0.38	0.75	2.21	191.70	0.000	0.000	27.42	0.00	0.00
50	110.00	Fujitsu TA08025-B605	3	11.305	12.436	0.38	0.75	2.21	225.00	0.000	0.000	27.42	0.00	0.00
51	110.00	MC-PK8-DSH	1	11.305	12.436	1.00	1.00	37.59	1727.00	0.000	0.000	467.46	0.00	0.00
52	110.00	JMA Wireless	3	11.305	12.436	0.55	0.75	20.80	193.50	0.000	0.000	258.61	0.00	0.00
							Totals:		**15,092.10**			**5,743.62**		

Total Applied Force Summary

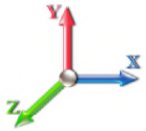
Structure:	CT10022-A-SBA		**Code:**	TIA-222-G	2/21/2022
Site Name:	Simsbury 2, CT		**Exposure:**	C	
Height:	150.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 34

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 21

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
1.00		27.64	243.16	0.00	0.00
5.00		109.51	964.85	0.00	0.00
10.00		134.55	1188.49	0.00	0.00
15.00		131.94	1168.97	0.00	0.00
18.00		80.86	692.01	0.00	0.00
20.00		54.56	457.44	0.00	0.00
25.00		140.94	1129.93	0.00	0.00
30.00		143.44	1110.41	0.00	0.00
35.00		145.07	1090.88	0.00	0.00
40.00		146.00	1071.36	0.00	0.00
41.50		43.51	317.60	0.00	0.00
45.00		103.37	1346.20	0.00	0.00
48.00		88.52	1138.66	0.00	0.00
50.00		58.85	414.80	0.00	0.00
55.00		147.72	1023.35	0.00	0.00
60.00		146.97	1003.83	0.00	0.00
65.00		145.92	984.31	0.00	0.00
70.00		144.62	964.78	0.00	0.00
75.00		143.09	945.26	0.00	0.00
80.00		141.34	925.74	0.00	0.00
84.08		113.87	741.54	0.00	0.00
85.00		25.58	270.65	0.00	0.00
89.50		125.08	1311.50	0.00	0.00
90.00		13.72	74.70	0.00	0.00
95.00		136.70	738.38	0.00	0.00
100.00		134.31	722.77	0.00	0.00
105.00		131.78	707.15	0.00	0.00
110.00	(11) attachments	928.79	3050.63	0.00	0.00
115.00		126.34	670.92	0.00	0.00
120.00		123.45	655.30	0.00	0.00
123.00	(23) attachments	977.25	2894.08	0.00	0.00
125.00		47.69	246.37	0.00	0.00
127.92		68.72	354.81	0.00	0.00
130.00		48.95	389.30	0.00	0.00
131.00	(28) attachments	1236.80	3866.28	0.00	0.00
132.08		25.08	189.04	0.00	0.00
135.00		66.87	254.69	0.00	0.00
140.00	(28) attachments	1285.48	3521.53	0.00	0.00
145.00		108.86	356.26	0.00	0.00
150.00	(51) attachments	1757.85	3779.01	0.00	106.56
	Totals:	**9,761.58**	**42,976.93**	**0.00**	**106.56**

Linear Appurtenance Segment Forces (Factored)

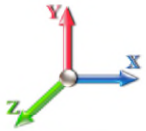
Structure:	CT10022-A-SBA	**Code:**	TIA-222-G	2/21/2022	
Site Name:	Simsbury 2, CT	**Exposure:**	C		
Height:	150.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 35	

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 21

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
1.00	1.60" Hybrid	Yes	1.00	0.000	1.60	0.13	0.00	0.046	0.000	7.442	0.00	1.00
1.00	1.25" Reinforcing	Yes	1.00	0.000	1.25	0.10	0.00	0.046	0.000	7.442	0.00	0.00
5.00	1.60" Hybrid	Yes	4.00	0.000	1.60	0.53	0.00	0.046	0.000	7.442	0.00	4.00
5.00	1.25" Reinforcing	Yes	4.00	0.000	1.25	0.42	0.00	0.046	0.000	7.442	0.00	0.00
10.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.047	0.000	7.442	0.00	5.00
10.00	1.25" Reinforcing	Yes	5.00	0.000	1.25	0.52	0.00	0.047	0.000	7.442	0.00	0.00
15.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.048	0.000	7.442	0.00	5.00
15.00	1.25" Reinforcing	Yes	5.00	0.000	1.25	0.52	0.00	0.048	0.000	7.442	0.00	0.00
18.00	1.60" Hybrid	Yes	3.00	0.000	1.60	0.40	0.00	0.049	0.000	7.723	0.00	3.00
18.00	1.25" Reinforcing	Yes	3.00	0.000	1.25	0.31	0.00	0.049	0.000	7.723	0.00	0.00
20.00	1.60" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.049	0.000	7.896	0.00	2.00
20.00	1.25" Reinforcing	Yes	2.00	0.000	1.25	0.21	0.00	0.049	0.000	7.896	0.00	0.00
25.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.028	0.000	8.276	0.00	5.00
30.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.029	0.000	8.600	0.00	5.00
35.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.029	0.000	8.883	0.00	5.00
40.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.030	0.000	9.137	0.00	5.00
41.50	1.60" Hybrid	Yes	1.50	0.000	1.60	0.20	0.00	0.030	0.000	9.208	0.00	1.50
45.00	1.60" Hybrid	Yes	3.50	0.000	1.60	0.47	0.00	0.031	0.000	9.366	0.00	3.50
48.00	1.60" Hybrid	Yes	3.00	0.000	1.60	0.40	0.00	0.031	0.000	9.494	0.00	3.00
50.00	1.60" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.031	0.000	9.576	0.00	2.00
55.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.032	0.000	9.770	0.00	5.00
60.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.032	0.000	9.951	0.00	5.00
65.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.033	0.000	10.120	0.00	5.00
70.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.034	0.000	10.279	0.00	5.00
75.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.035	0.000	10.430	0.00	5.00
80.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.036	0.000	10.572	0.00	5.00
84.08	1.60" Hybrid	Yes	4.08	0.000	1.60	0.54	0.00	0.037	0.000	10.684	0.00	4.08
85.00	1.60" Hybrid	Yes	0.92	0.000	1.60	0.12	0.00	0.037	0.000	10.708	0.00	0.92
89.50	1.60" Hybrid	Yes	4.50	0.000	1.60	0.60	0.00	0.038	0.000	10.825	0.00	4.50
90.00	1.60" Hybrid	Yes	0.50	0.000	1.60	0.07	0.00	0.038	0.000	10.838	0.00	0.50
95.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.038	0.000	10.962	0.00	5.00
100.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.039	0.000	11.081	0.00	5.00
105.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.040	0.000	11.195	0.00	5.00
110.00	1.60" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.042	0.000	11.305	0.00	5.00
										Totals:	**0.0**	**110.0**

Calculated Forces

Structure:	CT10022-A-SBA	**Code:**	TIA-222-G	2/21/2022	
Site Name:	Simsbury 2, CT	**Exposure:**	C		
Height:	150.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 36	

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 21

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-42.98	-9.76	0.00	-1105.9	0.00	1105.92	3399.80	1699.90	8571.22	4291.98	0.00	0.000	0.000	0.215
1.00	-42.73	-9.75	0.00	-1096.1	0.00	1096.15	3395.30	1697.65	8527.34	4270.01	0.00	-0.009	0.000	0.194
5.00	-41.76	-9.67	0.00	-1057.1	0.00	1057.15	3376.67	1688.33	8351.12	4181.77	0.02	-0.040	0.000	0.190
10.00	-40.56	-9.56	0.00	-1008.8	0.00	1008.81	3351.94	1675.97	8129.40	4070.74	0.08	-0.079	0.000	0.185
15.00	-39.39	-9.45	0.00	-961.02	0.00	961.02	3325.63	1662.82	7906.28	3959.02	0.19	-0.118	0.000	0.180
18.00	-38.70	-9.38	0.00	-932.68	0.00	932.68	3309.09	1654.54	7771.83	3891.69	0.27	-0.141	0.000	0.178
18.00	-38.70	-9.38	0.00	-932.68	0.00	932.68	3309.09	1654.54	7771.83	3891.69	0.27	-0.141	0.000	0.178
20.00	-38.23	-9.35	0.00	-913.93	0.00	913.93	3297.74	1648.87	7681.99	3846.70	0.33	-0.157	0.000	0.249
25.00	-37.09	-9.24	0.00	-867.20	0.00	867.20	3268.26	1634.13	7456.75	3733.92	0.53	-0.213	0.000	0.244
30.00	-35.97	-9.12	0.00	-821.01	0.00	821.01	3237.20	1618.60	7230.79	3620.77	0.78	-0.270	0.000	0.238
35.00	-34.88	-9.01	0.00	-775.39	0.00	775.39	3204.54	1602.27	7004.35	3507.38	1.09	-0.326	0.000	0.232
40.00	-33.80	-8.88	0.00	-730.35	0.00	730.35	3170.31	1585.15	6777.64	3393.86	1.47	-0.383	0.000	0.226
41.50	-33.48	-8.85	0.00	-717.03	0.00	717.03	3159.73	1579.86	6709.61	3359.79	1.59	-0.401	0.000	0.224
45.00	-32.13	-8.76	0.00	-686.06	0.00	686.06	3134.49	1567.24	6550.90	3280.32	1.90	-0.442	0.000	0.219
48.00	-30.98	-8.68	0.00	-659.79	0.00	659.79	3132.30	1566.15	6537.37	3273.54	2.19	-0.477	0.000	0.211
50.00	-30.56	-8.63	0.00	-642.44	0.00	642.44	3117.49	1558.74	6446.72	3228.15	2.39	-0.500	0.000	0.209
55.00	-29.53	-8.51	0.00	-599.27	0.00	599.27	3079.35	1539.68	6220.34	3114.79	2.95	-0.556	0.000	0.202
60.00	-28.52	-8.38	0.00	-556.74	0.00	556.74	3039.63	1519.81	5994.49	3001.70	3.56	-0.611	0.000	0.195
65.00	-27.53	-8.25	0.00	-514.86	0.00	514.86	2998.32	1499.16	5769.39	2888.98	4.23	-0.667	0.000	0.187
70.00	-26.56	-8.11	0.00	-473.63	0.00	473.63	2955.43	1477.72	5545.28	2776.76	4.96	-0.721	0.000	0.180
75.00	-25.61	-7.98	0.00	-433.06	0.00	433.06	2910.95	1455.48	5322.38	2665.15	5.74	-0.776	0.000	0.171
80.00	-24.68	-7.85	0.00	-393.14	0.00	393.14	2864.89	1432.44	5100.92	2554.25	6.58	-0.829	0.000	0.163
84.08	-23.94	-7.74	0.00	-361.09	0.00	361.09	2826.09	1413.05	4921.28	2464.30	7.31	-0.872	0.000	0.155
85.00	-23.66	-7.72	0.00	-354.00	0.00	354.00	2817.24	1408.62	4881.12	2444.19	7.48	-0.882	0.000	0.153
89.50	-22.35	-7.58	0.00	-319.27	0.00	319.27	2031.94	1015.97	3485.43	1745.31	8.33	-0.928	0.000	0.194
90.00	-22.27	-7.58	0.00	-315.48	0.00	315.48	2029.15	1014.57	3470.92	1738.04	8.43	-0.933	0.000	0.193
95.00	-21.53	-7.45	0.00	-277.58	0.00	277.58	2000.34	1000.17	3325.82	1665.38	9.44	-0.992	0.000	0.177
100.00	-20.80	-7.32	0.00	-240.32	0.00	240.32	1969.95	984.97	3180.92	1592.82	10.51	-1.047	0.000	0.161
105.00	-20.09	-7.20	0.00	-203.69	0.00	203.69	1937.97	968.98	3036.44	1520.48	11.64	-1.099	0.000	0.144
110.00	-17.05	-6.22	0.00	-167.71	0.00	167.71	1904.40	952.20	2892.62	1448.46	12.81	-1.147	0.000	0.125
115.00	-16.38	-6.09	0.00	-136.60	0.00	136.60	1869.25	934.63	2749.69	1376.89	14.04	-1.190	0.000	0.108
120.00	-15.73	-5.96	0.00	-106.13	0.00	106.13	1832.52	916.26	2607.87	1305.87	15.31	-1.228	0.000	0.090
123.00	-12.85	-4.93	0.00	-88.24	0.00	88.24	1809.72	904.86	2523.40	1263.58	16.08	-1.248	0.000	0.077
125.00	-12.61	-4.88	0.00	-78.38	0.00	78.38	1794.20	897.10	2467.38	1235.52	16.61	-1.260	0.000	0.070
127.92	-12.25	-4.80	0.00	-64.15	0.00	64.15	1771.11	885.56	2386.14	1194.84	17.38	-1.275	0.000	0.061
130.00	-11.86	-4.75	0.00	-54.14	0.00	54.14	1754.29	877.15	2328.47	1165.96	17.94	-1.285	0.000	0.053
131.00	-8.03	-3.43	0.00	-49.40	0.00	49.40	1746.12	873.06	2300.89	1152.16	18.21	-1.290	0.000	0.047
132.08	-7.84	-3.40	0.00	-45.68	0.00	45.68	1160.48	580.24	1541.12	771.71	18.51	-1.294	0.000	0.066
135.00	-7.58	-3.33	0.00	-35.78	0.00	35.78	1148.82	574.41	1493.54	747.88	19.30	-1.305	0.000	0.054
140.00	-4.09	-1.96	0.00	-19.14	0.00	19.14	1127.58	563.79	1411.91	707.01	20.68	-1.321	0.000	0.031
145.00	-3.74	-1.85	0.00	-9.33	0.00	9.33	1104.76	552.38	1330.41	666.20	22.07	-1.331	0.000	0.017
150.00	0.00	-1.76	0.00	-0.11	0.00	0.11	1080.36	540.18	1249.27	625.56	23.46	-1.334	0.000	0.000

Final Analysis Summary

Structure:	CT10022-A-SBA	**Code:**	TIA-222-G	2/21/2022	
Site Name:	Simsbury 2, CT	**Exposure:**	C		
Height:	150.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 37	

Tower Engineering Solutions

Reactions

Load Case	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)
1.2D + 1.6W 93 mph Wind	37.5	0.00	51.56	0.00	0.00	4276.66
0.9D + 1.6W 93 mph Wind	37.5	0.00	38.67	0.00	0.00	4231.40
1.2D + 1.0Di + 1.0Wi 50 mph Wind	12.2	0.00	95.70	0.00	0.00	1413.81
1.2D + 1.0E	2.3	0.00	51.57	0.00	0.00	296.99
0.9D + 1.0E	2.3	0.00	38.68	0.00	0.00	293.57
1.0D + 1.0W 60 mph Wind	9.8	0.00	42.98	0.00	0.00	1105.92

Max Stresses

Load Case	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Elev (ft)	Stress Ratio
1.2D + 1.6W 93 mph Wind	-45.46	-36.02	0.00	-3537.7	0.00	-3537.7	3297.74	1648.8	7681.99	3846.70	20.00	0.934
0.9D + 1.6W 93 mph Wind	-33.99	-35.88	0.00	-3493.7	0.00	-3493.7	3297.74	1648.8	7681.99	3846.70	20.00	0.919
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-86.98	-11.79	0.00	-1173.2	0.00	-1173.2	3297.74	1648.8	7681.99	3846.70	20.00	0.331
1.2D + 1.0E	-45.91	-2.25	0.00	-251.01	0.00	-251.01	3297.74	1648.8	7681.99	3846.70	20.00	0.079
0.9D + 1.0E	-34.43	-2.24	0.00	-247.68	0.00	-247.68	3297.74	1648.8	7681.99	3846.70	20.00	0.075
1.0D + 1.0W 60 mph Wind	-38.23	-9.35	0.00	-913.93	0.00	-913.93	3297.74	1648.8	7681.99	3846.70	20.00	0.249

Additional Steel Summary

			Intermediate Connectors			Lower Termination				Upper Termination				Max Member			
Elev From (ft)	Elev To (ft)	Member	VQ/I (lb/in)	Vu (kips)	phi Vn (kips)	MQ/I (kips)	phi Vn (kips)	Num Reqd	Num Actual	MQ/I (kips)	phi Vn (kips)	Num Reqd	Num Actual	Pu (kips)	phi Pn (kips)	phi Tn (kips)	Ratio
0.0	1.0	(3) SOL-2 1/4" William R71	223.1	2.68	25.3	201.6	25.3	8	0	302.6	25.3			201.57	459.1	468.91	0.439
1.0	18.0	(3) LNP-LP6X125-B-20T	241.1	5.79	25.3	302.6	25.3			289.1	25.3	12	12	302.61	395.0	360.94	0.838

Base Plate Summary

Structure:	CT10022-A-SB		**Code:**	TIA-222-G	2/21/2022
Site Name:	Simsbury 2, CT		**Exposure:**	C	
Height:	150.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 38

Tower Engineering Solutions

Reactions	
Original Design	
Moment (kip-ft):	3324.00
Axial (kip):	65.60
Shear (kip):	26.40
Analysis (1.2D + 1.6W)	
Moment (kip-ft):	4276.66
Axial (kip):	51.56
Shear (kip):	37.54

Base Plate	
Yield (ksi):	50.00
Width (in):	73.50
Style:	Round
Polygon Sides:	0.00
Clip Length (in):	0.00
Effective Len (in):	22.56
Moment (kip-in):	685.47
Allow Stress (ksi):	67.50
Applied Stress (ksi):	45.90
Stress Ratio:	0.68

Anchor Bolts	
Bolt Circle:	67.63
Number Bolts:	14.00
Bolt Type:	2.25" 18J
Bolt Diameter (in):	2.25
Yield (ksi):	75.00
Ultimate (ksi):	100.00
Arrangement:	Radial
Cluster Dist (in):	0.00
Start Angle (deg):	0.00
Compression	
Force (kip):	223.65
Allowable (kip):	260.00
Ratio:	0.88
Tension	
Force (kip):	209.97
Allowable (kip):	260.00
Ratio:	0.83

Monopole Mat Foundation Design

				Date
				2/21/2022
Customer Name:	Verizon	**TIA Standard:**	TIA-222-G
Site Name:		**Structure Height (Ft.):**	150
Site Number:	CT10022-A-SBA	**Engineer Name:**	K. Azisllari
Engr. Number:	124082	**Engineer Login ID:**	

Foundation Info Obtained from: Drawings/Calculations

Structure Type: Monopole

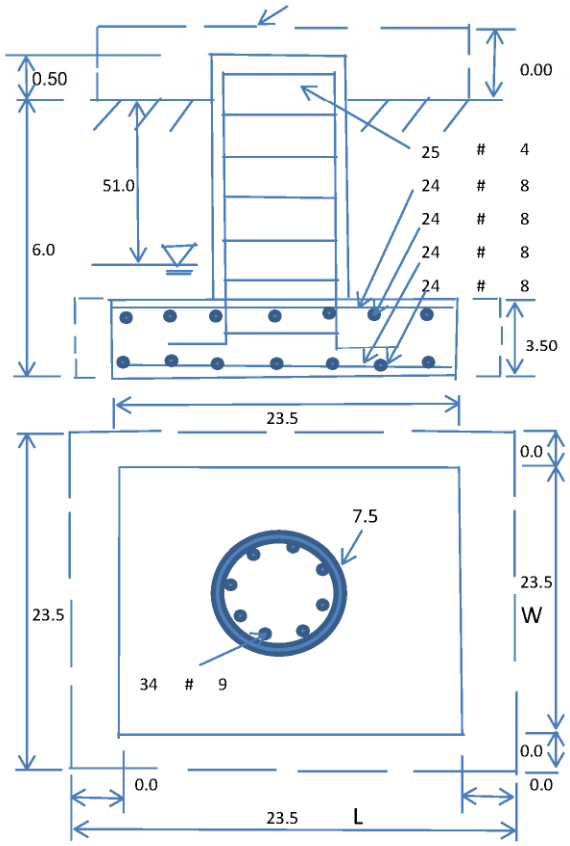
Analysis or Design? Analysis

Base Reactions (Factored):

Axial Load (Kips):	51.6	Shear Force (Kips):	37.5
Uplift Force (Kips):	0.0	Moment (Kips-ft):	4276.7
Allowable overstress %:	5.0%		

Foundation Geometries:

		Mods required -Yes/No ?:	No
Diameter of Pier (ft.):	7.5	Depth of Base BG (ft.):	6.0
Pier Height A. G. (ft.):	0.50	Thickness of Pad (ft):	3.50
Length of Pad (ft.):	23.5	Width of Pad (ft.):	23.5
Final Length of pad (ft)	23.5	Final width of pad (ft):	23.5



Material Properties and Reabr Info:

Concrete Strength (psi):	3000	Steel Elastic Modulus:	29000	ksi
Vertical bar yield (ksi)	60	Tie steel yield (ksi):	60	
Vertical Rebar Size #:	9	Tie / Stirrup Size #:	4	
Qty. of Vertical Rebars:	34	Tie Spacing (in):	3.0	
Pad Rebar Yield (Ksi):	60	Pad Steel Rebar Size (#):	8	
Concrete Cover (in.):	3	Unit Weight of Concrete:	150.0	pcf
Rebar at the bottom of the concrete pad:				
Qty. of Rebar in Pad (L):	24	Qty. of Rebar in Pad (W):	24	
Rebar at the top of the concrete pad:				
Qty. of Rebar in Pad (L):	24	Qty. of Rebar in Pad (W):	24	
Apply 1.35 factor for e/w Per G:	1.35			

Soil Design Parameters:

Soil Unit Weight (pcf):	125.0	Soil Buoyant Weight:	60.0	Pcf		
Water Table B.G.S. (ft):	51.0	Unit Weight of Water:	62.4	pcf	Angle from Top of Pad:	30
Ultimate Bearing Pressure (psf):	14000	Ultimate Skin Friction:	0	Psf	Angle from Bottm of Pad:	25
Consider Friction for O.T.M. (Y/N):	No	Consider Friction for bearing (Y/N):	No		Angle from Bottm of Pad:	25
Consider soil hor. resist. for OTM.:	No	Reduction factor on the maximum soil bearing pressure:			1.00	

Foundation Analysis and Design: Uplift Strength Reduction Factor: 0.75 — Compression Strength Reduction Factor: 0.75

Total Dry Soil Volume (cu. Ft.):	1270.18	Total Dry Soil Weight (Kips):	158.77
Total Buoyant Soil Volume (cu. Ft.):	0.00	Total Buoyant Soil Weight (Kips):	0.00
Total Effective Soil Weight (Kips):	158.77	Weight from the Concrete Block at Top (K):	0.00
Total Dry Concrete Volume (cu. Ft.):	2065.41	Total Dry Concrete Weight (Kips):	309.81
Total Buoyant Concrete Volume (cu. Ft.):	0.00	Total Buoyant Concrete Weight (Kips):	0.00
Total Effective Concrete Weight (Kips):	309.81	Total Vertical Load on Base (Kips):	520.18

Check Soil Capacities:

					Load/ Capacity Ratio	
Calculated Maxium Net Soil Pressure under the base (psf):	4146	<	Allowable Factored Soil Bearing (psf):	10500	0.39	OK!
Allowable Foundation Overturning Resistance (kips-ft.):	5561.6	>	Design Factored Momont (kips-ft):	4520	0.81	OK!
Factor of Safety Against Overturning (O. R. Moment/Design Moment):	1.23	OK!				

Check the capacities of Reinforceing Concrete:

Strength reduction factor (Flexure and axial tension):	0.90		Strength reduction factor (Shear):	0.75		
Strength reduction factor (Axial compresion):	0.65		Wind Load Factor on Concrete Design:	1.00		
					Load/ Capacity Ratio	
(1) Concrete Pier:						
Vertical Steel Rebar Area (sq. in./each):	1.00		Tie / Stirrup Area (sq. in./each):	0.20		
Calculated Moment Capacity (Mn,Kips-Ft):	6126.5	>	Design Factored Moment (Mu, Kips-F	4389.2	0.72	OK!
Calculated Shear Capacity (Kips):	1098.7	>	Design Factored Shear (Kips):	37.5	0.03	OK!
Calculated Tension Capacity (Tn, Kips):	1836.0	>	Design Factored Tension (Tu Kips):	0.0	0.00	OK!
Calculated Compression Capacity (Pn, Kips):	8390.6	>	Design Factored Axial Load (Pu Kips):	51.6	0.01	OK!
Moment & Axial Strength Combination:	0.72	OK!	Check Tie Spacing (Design/Required):		0.25	OK!
Pier Reinforcement Ratio:	0.005		Reinforcement Ratio is satisfied per ACI			
(2).Concrete Pad:						
One-Way Design Shear Capacity (L-Direction, Kips):	892.0	>	One-Way Factored Shear (L-D. Kips):	248.2	0.28	OK!
One-Way Design Shear Capacity (W-Direction, Kips):	892.0	>	One-Way Factored Shear (W-D., Kips)	248.2	0.28	OK!
One-Way Design Shear Capacity (Corner-Corner. Kips):	733.2	>	One-Way Factored Shear (C-C, Kips):	245.8	0.34	OK!
Lower Steel Pad Reinforcement Ratio (L-Direct.):	0.0017	OK!	Lower Steel Pad Reinf. Ratio (W-Direc	0.0017		
Lower Steel Pad Moment Capacity (L-Direction. Kips-ft):	3217.3	>	Moment at Bottom (L-Dir. K-Ft):	1286.1	0.40	OK!
Lower Steel Pad Moment Capacity (W-Direction. Kips-ft):	3217.3	>	Moment at Bottom (W-Dir. K-Ft):	1286.1	0.40	OK!
Lower Steel Pad Moment Capacity (Corner-Corner,K-ft):	4522.2	>	Moment at Bottom (C-C Dir. K-Ft):	1818.8	0.40	OK!
Upper Steel Pad Reinforcement Ratio (L-Direct.):	0.0017	OK!	Upper Steel Reinf. Ratio (W-Dir.):	0.0017		
Upper Steel Pad Moment Capacity (L-Direc. Kips-ft):	3217.3	>	Moment at the top (L-Dir K-Ft):	614.3	0.19	OK!
Upper Steel Pad Moment Capacity (W-Direc. Kips-ft):	3217.3	>	Moment at the top (W-Dir K-Ft):	614.3	0.19	OK!
Upper Steel Pad Moment Capacity (Corner-Corner. K-ft):	4522.2	>	Moment at the top (C-C Dir. K-Ft):	580.0	0.13	OK!
(3).Check Punching Shear Capacity due to Moment in the Pier:						
Moment transferred by punching shear:	1710.7	k-ft.	Max. factored shear stress v_{u_CD}:		3.6	Psi
Max. factored shear stress v_{u_AB}:	8.7	Psi	Factored shear Strength ϕv_n:		164.3	Psi
Max. factored shear stress v_u:	8.7	Psi	Check Usage of Punching Shear Capacity:		0.05	OK!

PER THE INTERNATIONAL BUILDING CODE THIS STRUCTURE IS CLASSIFIED AS:

1. CONSTRUCTION TYPE II-B (TABLE 601)
2. GROUP U OCCUPANCY (SECTION 312.1 UNOCCUPIED TOWER SITE)

MODIFICATION AND DESIGN DRAWINGS FOR AN EXISTING 150' ROHN MONOPOLE TOWER

PROPOSED CARRIER: VERIZON

SITE: CT10022-A-SBA / SIMSBURY 2, CT

COORDINATES (LATITUDE: 41.866708°, LONGITUDE: -72.815772°)

CONSTRUCTION CLASS

THE RIGGING PLAN FOR THIS SITE WOULD BE A MINIMUM OF A CLASS III AND THE CONTRACTOR SHALL MAKE FINAL DETERMINATION

PLEASE NOTE THIS SET OF DRAWINGS IS FOR INSTALLATION AND ASSEMBLY ONLY. FABRICATION DETAIL DRAWINGS ARE NOT PROVIDED AND MUST BE COMPLETED BY THE STEEL FABRICATOR SELECTED. TES CAN PROVIDE THE FABRICATION DETAIL DRAWINGS FOR AN ADDITIONAL FEE.

SHEET	SHEET TITLE	REV
T-1	TITLE SHEET	0
BOM	BILL OF MATERIALS	0
GN-1	GENERAL NOTES	0
A-1	TOWER PROFILE	0
A-2	INSTALLATION OF NEW ANCHOR ROD DETAILS	0
A-3	REINFORCEMENT ASSEMBLY	0
SPEC-1	NEXGEN2 BLIND BOLT ASSEMBLY INSTALLATION GUIDE	0
SPEC-2	NEXGEN2 BLIND BOLT ASSEMBLY INSTALLATION GUIDE	0

NOTE:

1. THE MODIFICATION DRAWINGS ARE BASED ON THE **TES** PROJECT NO. 123348, DATED 02/10/2022.

TES
Tower Engineering Solutions
1320 GREENWAY DRIVE, SUITE 600
IRVING, TX 75038
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BOCA RATON, FL 33487
(800)-487-SITE

TES JOB NO:
124082

CUSTOMER SITE NO:
CT10022-A-SBA
CUSTOMER SITE NAME:
SIMSBURY 2, CT
225 GRIST MILL ROAD
SIMSBURY, CT 06070

STATE OF CONNECTICUT
JARRYD TIBBETTS
No. 34170
LICENSED
PROFESSIONAL ENGINEER
3/2/22

DRAWN BY: BS | CHECKED BY: KA/AD

REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	BS	03/02/22

SHEET TITLE:
TITLE SHEET

SHEET NUMBER: T-1 | REV #: 0

BILL OF MATERIALS

QUANTITY COUNTED	QUANTITY PROVIDED	PART NUMBER	DESCRIPTIONS	LENGTH	SHEET LIST (INSTALLATION)	SHEET LIST (FABRICATE)	PIECE WEIGHT (LBS)	WEIGHT (LB)	NOTES
			MATERIAL & HARDWARE						
2	2	LP6X125-BR4.75-20T	6" x 1.25" Flat Bar with Right Bolt Bracket, Base Section with 4.75" Offset, 20 ft. Long. Termination on one end	20'-0"	A-2	LP6X125-BR4.75-20	636.3	1272.6	Galvanized
1	1	LP6X125-BL4.75-20T	6" x 1.25" Flat Bar with Left Bolt Bracket, Base Section with 4.75" Offset, 20 ft. Long. Termination on one end	20'-0"	A-2	LP6X125-BL4.75-20T	636.3	636.3	Galvanized
3	3	R71-18	Williams 2 1/4" Dia. All-thread Rod (150 ksi) X 12.5 Ft. Long	12.50	A-2	---	176.3	528.8	Galvanized
6	6	R73-18	Williams 2 1/4" Dia. R73 Hex Nuts	---	A-2	---	---		Galvanized
6	6	PLW-1	PL 1 1/4" X 4 1/2" FLAT WASHER, A572 Grade 65	---	A-2	F-A	3.7	22.2	Galvanized
57	62	HB16-2	Lindapter 5/8" Type HB Hollo-Bolt (HCF, M16x100)	---	A-3	---	---	---	Galvanized
24	26	2NG2048	M20x95 NEXGEN2 BLIND Bolt Assembly	---	A-3	F-C	---	---	Galvanized
			Following Items are Non-standard Parts						
3	3	---	LANCO /HENRY 287 WHITE ACRYLIC ELASTOMERIC COATING AND SEALER OR EQUIV (GALLON)	---	A-1	---	---	---	PROVIDED BY CONTRACTOR

ALL APLXXXX, LPXXXX AND RLPXXXX ARE PATENTED PRODUCTS AND CANNOT BE FABRICATED BY THIRD PARTIES. THESE PARTS ARE AVAILABLE FROM:

METROSITE, LLC.
180 IND PARK BLVD COMMERCE, GA 30529
OFFICE: (706) 335-7045
FAX: (706) 335-7056

NOTE: ALL MATERIALS, WHICH WEREN'T LISTED IN THIS SHEET, ARE ASSUMED TO BE PROVIDED BY THE CONTRACTOR.

TOTAL WEIGHT (LBS) = **2459.9**

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REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	BS	03/02/22

SHEET TITLE:
BILL OF MATERIALS

SHEET NUMBER: BOM
REV #: 0

GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH THE ANSI/TIA-222-G, ANSI/ASSP A10.48, 2018 CONNECTICUT STATE BUILDING CODE AND ANY OTHER GOVERNING BUILDING CODES AND OSHA SAFETY REGULATIONS.
2. ALL WORK INDICATED ON THE DRAWINGS SHALL BE PERFORMED BY QUALIFIED CONTRACTORS EXPERIENCED IN TELECOMMUNICATIONS TOWER, POLE AND FOUNDATION CONSTRUCTION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND FABRICATION OF ALL MISCELLANEOUS PARTS (SUCH AS SHIMS), TEMPORARY SUPPORTS, AND GUYINGS, ETC., PER ANSI/ASSP A10.48, TO COMPLETE THE ASSEMBLY AS SHOWN IN THE DRAWINGS.
4. CONTRACTOR SHALL PROCEED WITH THE INSTALLATION WORK CAREFULLY SO THE WORK WILL NOT DAMAGE ANY EXISTING CABLE, EQUIPMENT OR THE STRUCTURE.
5. THE USE OF GAS TORCH OR WELDER, ARE NOT ALLOWED ON ANY TOWER STRUCTURE WITHOUT THE CONSENT OF THE TOWER OWNER.
6. GENERALLY THE CONTRACTOR IS RESPONSIBLE TO CONDUCT AN ONSITE VISIT SURVEY OF THE JOB SITE AFTER AWARD, AND REPORT ANY ISSUES WITH THE SITE TO **TES** BEFORE PROCEEDING CONSTRUCTION.

FABRICATION

1. ALL STEEL SHALL MEET OR EXCEED THE MINIMUM STRENGTH AS SPECIFIED IN THE DRAWINGS. IF YIELD STRENGTH WAS NOT NOTED IN THE DRAWINGS, CONTRACTORS SHALL CONTACT TES FOR DIRECTION.
2. ALL FIELD CUT EDGES SHALL BE GROUND SMOOTH. ALL FIELD CUT AND DRILLED SURFACES SHALL BE REPAIRED WITH A MINIMUM OF TWO COATS OF ZINGA COLD GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.

WELDING

1. ALL WELDING SHALL BE PERFORMED BY AWS CERTIFIED WELDERS AND IN ACCORDANCE WITH THE LATEST EDITION OF THE AWS WELDING CODE D1.1. ALL ELECTRODES TO BE LOW HYDROGEN, MATCHING FILLER METAL, PER AWS D1.1, UNO. (E70XX UNLESS NOTED OTHERWISE).
2. PRIOR TO FIELD WELDING GALVANIZED MATERIAL, CONTRACTOR SHALL GRIND OFF GALVANIZING APPROX. 0.5" BEYOND THE PROPOSED FIELD WELD SURFACES.
3. ALL WELDS SHALL BE INSPECTED VISUALLY. A MINIMUM OF 25% OF WELDS SHALL BE INSPECTED WITH DYE PENETRANT OR MAGNETIC PARTICLE TO MEET THE ACCEPTANCE CRITERIA OF AWS D1.1. 100% OF WELDS SHALL BE INSPECTED IF DEFECTS ARE FOUND.
4. WELD INSPECTIONS SHALL BE PERFORMED BY AN AWS CERTIFIED WELD INSPECTOR.
5. AFTER INSPECTION, ALL FIELD WELDED SURFACES SHALL BE REPAIRED WITH A MINIMUM OF TWO COATS OF ZINGA COLD GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.

BOLTED ASSEMBLIES AND TIGHTENING OF CONNECTIONS

1. ALL HIGH STRENGTH BOLTS SHALL CONFORM TO THE PROVISIONS OF THE SPECIFICATIONS FOR STRUCTURAL JOINTS USING A325 OR A490 BOLTS AS APPROVED BY THE RCSC.
2. FLANGE BOLTS SHALL BE TIGHTENED BY THE AISC "TURN-OF-THE-NUT" METHOD. THE FOLLOWING TABLE SHOULD BE USED FOR THE "TURN-OF-THE-NUT" TIGHTENING.
3. SPLICE BOLTS AND ALL OTHER BOLTS IN BEARING TYPE CONNECTIONS SHALL BE TIGHTENED TO A SNUG-TIGHT CONDITION.
4. THE SNUG-TIGHT CONDITION IS DEFINED AS THE TIGHTNESS ATTAINED BY EITHER A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF AN IRONWORKER WITH AN ORDINARY SPUD WRENCH TO BRING THE CONNECTED PLIES INTO FIRM CONTACT.
5. HB HOLLO-BOLT SHALL BE INSTALLED PER ICC ESR-3330 INSTRUCTIONS.

VERIFICATION AND INSPECTION

1. IF APPLICABLE, VERIFICATION INSPECTION TO BE PERFORMED SHALL BE IN ACCORDANCE TO IBC-2015 SECTION 1705 – FOR STEEL CONSTRUCTION & TABLE 1705.3 FOR CONCRETE CONSTRUCTION.

POST INSTALLED EPOXY INJECTED ANCHOR BOLTS:

1. CONCRETE MUST BE A MINIMUM OF 28 DAYS OLD.
2. FOLLOW MANUFACTURER'S REQUIREMENTS FOR CURE TIME VS. AMBIENT TEMPERATURE.
3. DRILL HOLE TO REQUIRED DIAMETER AND DEPTH. ALL WATER, DIRT, OIL, DEBRIS, GREASE OR DUST MUST BE REMOVED FROM EACH CORE HOLE. FOLLOW MANUFACTURER'S RECOMMENDATION FOR CORRECT TYPE OF CORE BIT. AVOID DAMAGING EXISTING REINFORCING STEEL OR OTHER EMBEDDED ITEMS. NOTIFY TES ENGINEERING IF VOIDS IN THE CONCRETE, REINFORCING STEEL OR OTHER EMBEDDED ITEMS ARE ENCOUNTERED. STOP CORING IMMEDIATELY IF THIS OCCURS.
4. A HOLE ROUGHENING DEVICE FROM EITHER HILTI OR ALLFASTENERS SHALL BE USED WITH ALL HOLES. FOLLOW ALL MANUFACTURER'S RECOMMENDED CORING AND INSTALLATION INSTRUCTIONS.
5. AFTER CORING AND ROUGHENING, FLUSH EACH HOLE WITH RUNNING WATER TO REMOVE ANY SLURRY OR DEBRIS. REMOVE ALL WATER FROM THE HOLE BY MECHANICAL PUMPING.
6. BRUSH EACH HOLE WITH AN APPROPRIATE SIZED NYLON BRUSH AND FLUSH WITH RUNNING WATER A SECOND TIME. REMOVE ALL WATER FROM THE HOLE.
7. AFTER THE SECOND WATER FLUSH BRUSH THE HOLE AGAIN WITH THE APPROPRIATE SIZED NYLON BRUSH.
8. BLOW EACH HOLE WITH COMPRESSED AIR TWO TIMES MINIMUM.
9. CONFIRM THAT EACH HOLE IS PROPERLY ROUGHED AND DRY.
10. NO EPOXY INJECTION SHALL TAKE PLACE IN RAINY CONDITIONS.
11. EPOXY SHOULD BE VISIBLE AT THE TOP OF THE CORE HOLE AFTER INSTALLATION.
12. CONTRACTOR TO SUPPLY ONE PHOTO OF EACH ROUGHED AND CLEANED HOLE IN CLOSEOUT PHOTO PACKAGE.

TABLE 8.2 NUT ROTATION FROM SNUG-TIGHT CONDITION FOR TURN-OF-NUT PRETENSIONING [a,b]

BOLT LENGTH[f]	DISPOSITION OF OUTER FACE OF BOLTED PARTS		
	BOTH FACES NORMAL TO BOLT AXIS	ONE FACE NORMAL TO BOLT AXIS, OTHER SLOPED NOT MORE THAN 1:20 [d]	BOTH FACES SLOPED NOT MORE THAN 1:20 FROM NORMAL TO BOLT AXIS [d]
NOT MORE THAN $4d_b$	1/3 TURN	1/2 TURN	2/3 TURN
MORE THAN $4d_b$ BUT NOT MORE THAN $8d_b$	1/2 TURN	2/3 TURN	5/6 TURN
MORE THAN $8d_b$ BUT NOT MORE THAN $12d_b$	2/3 TURN	5/6 TURN	1 TURN

[a] NUT ROTATION IS RELATIVE TO BOLT REGARDLESS OF THE ELEMENT (NUT OR BOLT) BEING TURNED. FOR REQUIRED NUT ROTATIONS OF 1/2 TURN AND LESS, THE TOLERANCE IS PLUS OR MINUS 30 DEGREES; FOR REQUIRED NUT ROTATIONS OF 2/3 TURN AND MORE, THE TOLERANCE IS PLUS OR MINUS 45 DEGREES.

[b] APPLICABLE ONLY TO JOINTS IN WHICH ALL MATERIAL WITHIN THE GRIP IS STEEL.

[c] WHEN THE BOLT LENGTH EXCEEDS $12d_b$, THE REQUIRED NUT ROTATION SHALL BE DETERMINED BY ACTUAL TESTING IN A SUITABLE TENSION CALIBRATOR THAT SIMULATES THE CONDITIONS OF SOLIDLY FITTING STEEL.

[d] BEVELED WASHER NOT USED.

SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS, JUNE 30, 2004
RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS

INSTALLATION TORQUE REQUIRED FOR HOLLO BOLTS AND AJAX BOLTS:

1. HB12 HOLLO BOLT: 59 FT-LBS
2. HB16 HOLLO BOLT: 140 FT-LBS
3. HB20 HOLLO BOLT: 221 FT-LBS
4. M20 AJAX BOLT: 280 FT-LBS.

FIELD HOT WORK PLAN NOTES:

FOLLOWING GUIDELINES SHALL BE COMPLIED WITH:

1. CONTRACTOR'S RESPONSIBILITY TO COMPLETE A HOT WORK PLAN IF AWARDED PER CUSTOMER SPECIFICATIONS GUIDELINES FOR WELDING, CUTTING & SPARK PRODUCING WORK.
2. HAVE A FIRE PLAN APPROVED BY THE CUSTOMER AND THEIR SAFETY MANAGEMENT DEPT.
3. CONTRACTOR MUST OBTAIN THE CONTACT INFO OF THE LOCAL FIRE DEPARTMENT AND THE 911 ADDRESS OF THE TOWER SITE BEFORE CONSTRUCTION.
4. CONTRACTOR SHALL MAKE SURE THAT CELL PHONE COVERAGE IS AVAILABLE IN THE TOWER SITE. IF CELL COVERAGE IS NOT AVAILABLE, AN IMMEDIATE AVAILABLE MEANS OF DIRECT COMMUNICATION WITH THE FIRE DEPARTMENT SHALL BE DETERMINED PRIOR TO CONSTRUCTION START.
5. ALL CONSTRUCTION SHALL BE PERFORMED UNDER WIND SPEED LESS THAN 10 MPH ON THE GROUND LEVEL. IF WIND SPEED INCREASE, CONTRACTOR MUST DETERMINE IF CONSTRUCTION SHALL BE DISCONTINUED.
6. FIRE SUPPRESSION EQUIPMENT MUST BE MADE AVAILABLE ON SITE AND READY TO USE.
7. CONTRACTOR SHALL ASSIGN A FIRE WATCHER TO PERFORM FIRE-FIGHTING DUTIES.
8. ALL WELDERS SHALL BE AWS OR STATE CERTIFIED. THEY MUST ALSO BE EXPERIENCED IN WELDING ON GALVANIZED MATERIALS.
9. IF IT IS POSSIBLE, ALL EXISTING COAX NEAR WELDING AREA SHALL BE TEMPORARILY MOVED AWAY FROM THE WELDING AREA BEFORE WELDING THE PLATES.
10. PLEASE REPORT ANY FIELD ISSUE TO TES @ 972-483-0607.

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DRAWN BY: BS | CHECKED BY: KA/AD

REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	BS	03/02/22

SHEET TITLE:
GENERAL NOTES

SHEET NUMBER: GN-1
REV #: 0

NOTES:

1. TEMPORARILY RELOCATE ANY EXISTING COAX ATTACHED TO THE MONOPOLE AND ANY OTHER MEMBERS WHERE OBSTRUCTION WITH THE PROPOSED MODIFICATION MAY OCCUR.
2. TEMPORARY RELOCATION OF EXISTING EQUIPMENT AROUND THE FOUNDATION MAY BE REQUIRED DURING CONSTRUCTION.

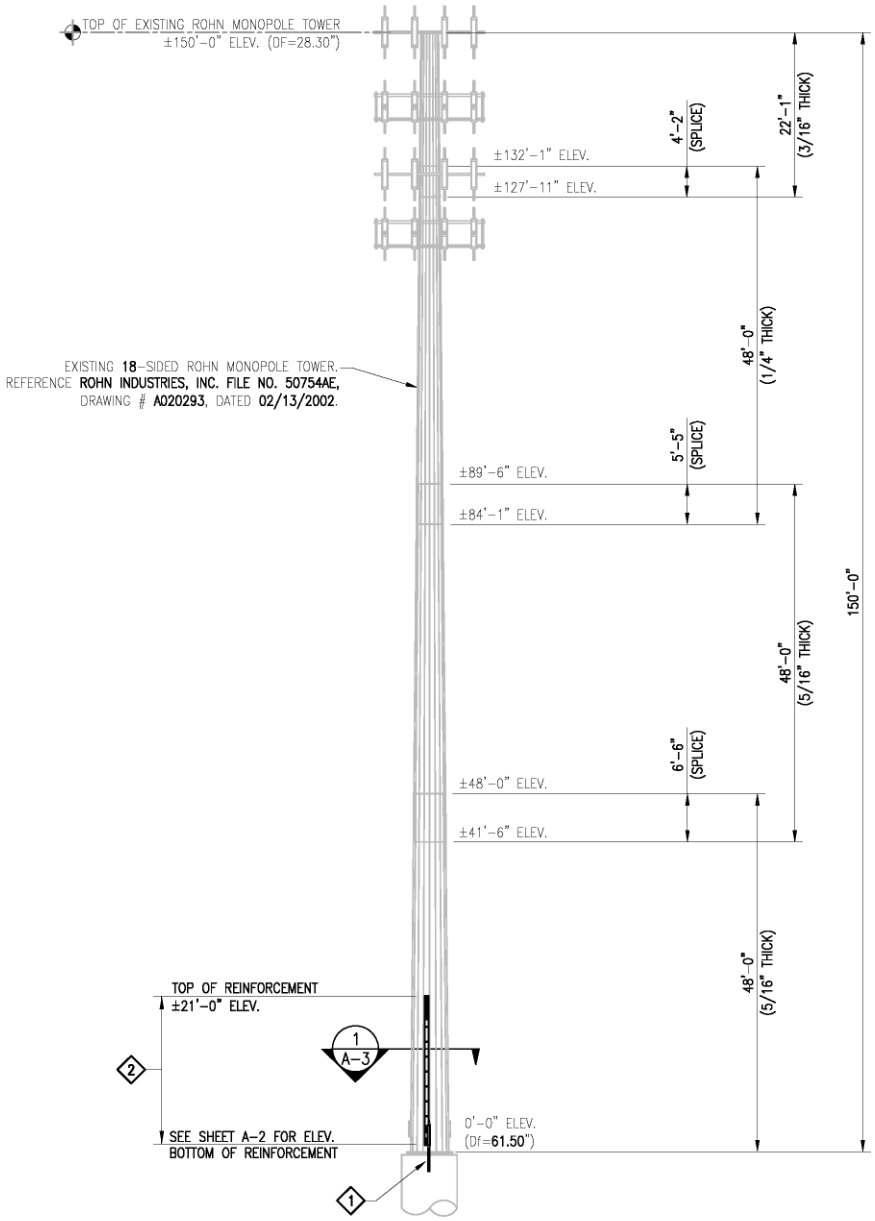
SCOPE OF WORK

1. INSTALL NEW (3) ANCHOR ROD REINFORCEMENTS. SEE SHEET A-2 FOR DETAILS.
2. INSTALL NEW (2) LP6X125-BR4.75-20T AND (1) LP6X125-BL4.75-20T FLAT BAR REINFORCEMENTS FROM ±1'-0" TO ±21'-0" ELEV. SEE SHEET A-3 FOR DETAILS.
3. APPLY FOUNDATION COATING
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEAN-UP, REMOVAL AND DISPOSAL OF EXCESS MATERIALS USED AND REMOVED FROM THE STRUCTURE AT THE COMPLETION OF THE PROJECT.

PHOTO 1
FOUNDATION

FOUNDATION COATING NOTES:

1. THE COATING MATERIALS SHALL BE LANCO WHITE ACRYLIC ELASTOMERIC COATING AND SEALER, OR HYDRO ARMOR COATING.
2. THE COATING CAN BE PLACED AT LEAST (2) DAYS AFTER THE PLACEMENT OF THE CONCRETE FOR FOUNDATION REINFORCEMENT, AND MINIMUM (4) DAYS FOR NEW FOUNDATION CONSTRUCTION.
3. THE CONCRETE SURFACE SHALL BE CLEAN AND DRY PRIOR TO THE APPLICATION OF THE COATING.
4. THE COATING SHALL BE APPLIED TO ALL THE SURFACES OF THE CONCRETE ABOVE THE GROUND AND 6" BELOW THE GRADE SURFACE IF APPLICABLE.
5. MINIMUM 30 MILS COATING IS REQUIRED.
6. APPLY COLD GALVANIZE AT LEAST 2'-3" ABOVE FOUNDATION.



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REV.	DESCRIPTION	BY	DATE
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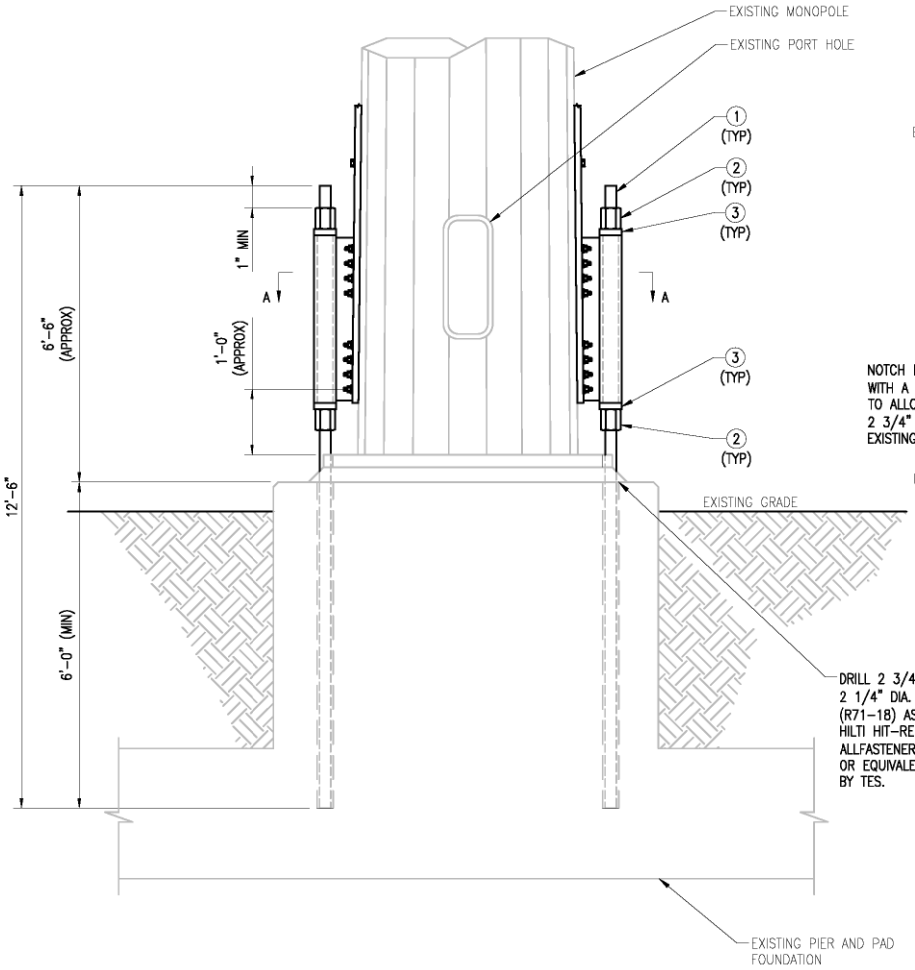
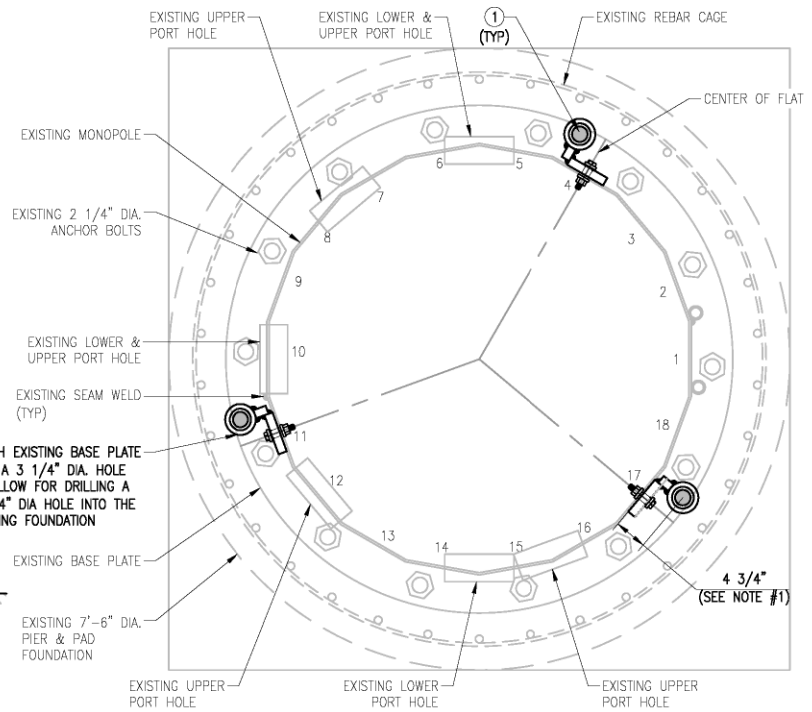
SHEET TITLE:
TOWER PROFILE

SHEET NUMBER: A-1
REV #: 0

US PATENT 9,714,520 B1



ELEVATION



SECTION "A-A"

INSTALLATION NOTES:

1. USE WELDED REINFORCEMENT BRACKET ASSEMBLY TO SET THE POSITION OF THE ALL-THREAD ROD.
2. DRILL NEW 2 3/4" DIA. HOLES INTO EXISTING FOUNDATION FOR ALL-THREAD ROD.
3. INSTALL REINFORCEMENT BRACKET AND CONFIRM FIT WITH MONOPOLE REINFORCEMENT PLATES.
4. TIGHTEN NUTS ON THE ALL-THREAD ROD LOCKING IT INTO POSITION.
5. APPLY (2) COATS OF ZINGA COLD GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS TO ALL FIELD CUT AND EXPOSED AREAS.
6. DRILLING CONTRACTOR TO EXERCISE EXTREME CARE TO AVOID DAMAGING THE EXISTING REINFORCING TIES IN THE CONCRETE PIER. IF REBAR IS ENCOUNTERED IN THE CONCRETE WHILE DRILLING, CONTRACTOR TO STOP DRILLING AND INFORM **TES** FOR SOLUTION.
7. CONTRACTOR PLEASE NOTE-WHILE DRILLING PREPARE TO DRILL THROUGH ANCHOR BOLT TEMPLATE.
8. SEE SHEETS SPEC-1 & 2 FOR NEXGEN2 BLND BOLT INSTALLATION. IT IS REQUIRED THAT THE CONTRACTOR TAKE PHOTOS OF THE INSTALLED BOLT FOR VERIFICATION OF PROPER INSTALLATION.

ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	3	R71-18	12'-6" WILLIAMS 2 1/4" DIA. ALL-THREAD ROD (150 KSI)
2	6	R73-18	2 1/4" NUT (WILLIAMS R73-18) (TYP)
3	6	PLW-1	PL 1 1/4" X 4 1/2" FLAT WASHER, A572-65

NOTE:
SEE NOTES ON SHEET GN-1 FOR POST-INSTALLED EPOXY INJECTED ANCHOR BOLTS

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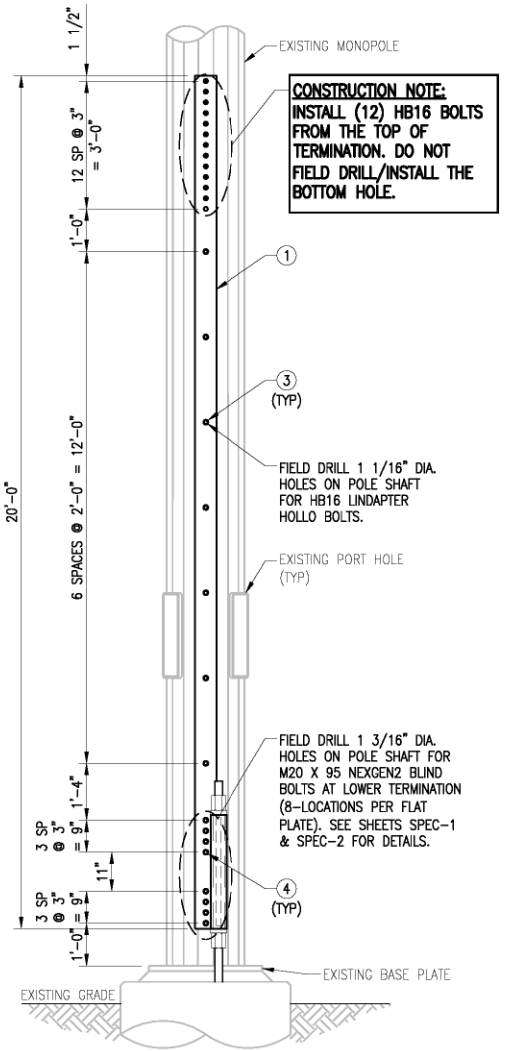
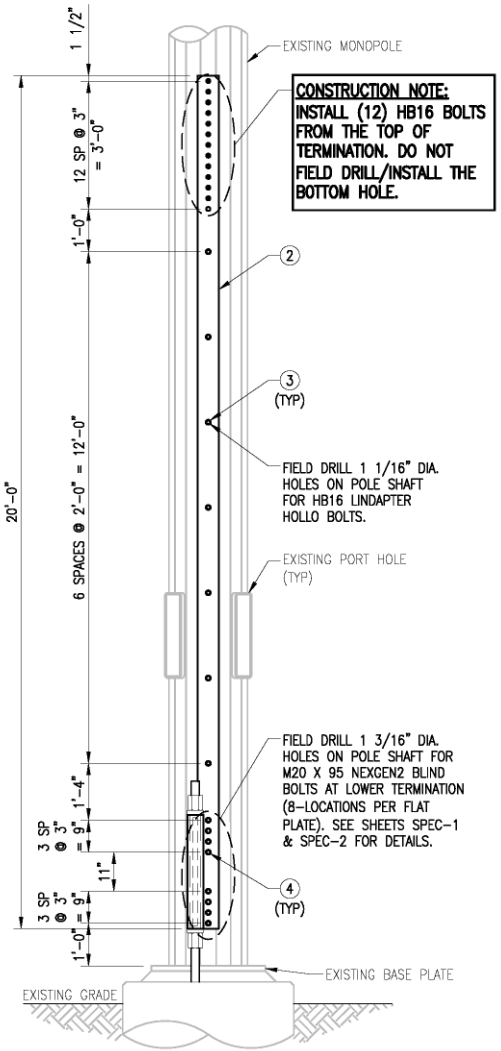
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	BS	03/02/22

SHEET TITLE:
INSTALLATION OF NEW ANCHOR ROD DETAILS

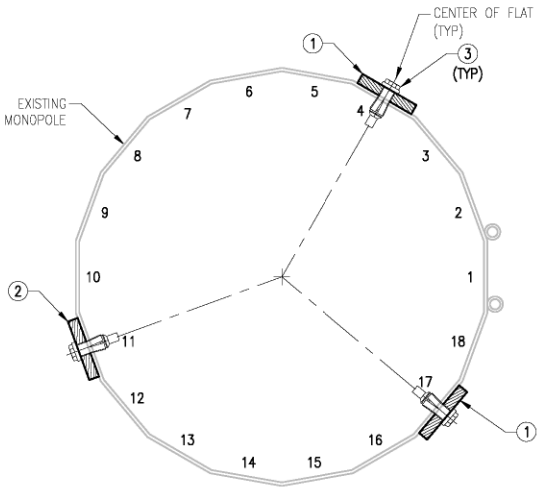
SHEET NUMBER: A-2
REV #: 0

US PATENT 9,714,520 B1





ELEVATION VIEW
REFER TO PLAN VIEW
(±1'-0" TO ±21'-0" ELEV.)



1 A-3 PLAN VIEW

NOTES:
1. REFER TO SHEET A-2 FOR FLAT BAR ORIENTATION.
2. INSTALLATION TORQUE FOR HOLLO/AJAX-BOLTS: SEE SHEET GN-1
3. APPLY (2) COATS OF ZINGA COLD GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS TO ALL FIELD DRILLED AND EXPOSED AREAS.

ITEM NO.	QTY.	PART NO.	DESCRIPTION (BASE SECTION)
1	2	LP6X125-BR4.75-20T	PL 6" X 1 1/4" X 20'-0" A572-65 WELDMENT
2	1	LP6X125-BL4.75-20T	PL 6" X 1 1/4" X 20'-0" A572-65 WELDMENT
3	57	HB16-2	LINDAPTER 5/8" TYPE HB HOLLO-BOLT (HCF)
4	24	2NG2048	M20 X 95 NEXGEN2 BLIND BOLT ASSEMBLY

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SHEET TITLE:
REINFORCEMENT ASSEMBLY

SHEET NUMBER: A-3
REV #: 0

NEXGEN2 BLIND BOLT ASSEMBLY

INSTALLATION GUIDE

PRE-INSTALL BOLT ON INSTALL TOOL:

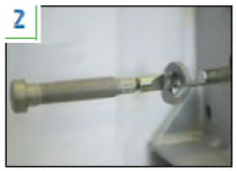
1 Thread the installation tool tip into the splined end of the bolt.

2 Remove the nut, the face washer and the spring shear sleeve and slide along the handle of the tool.

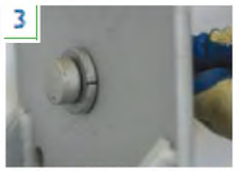
3 Move the collapsible washer to the correct location on the tool and fold in place.

INSTALLATION:

1 Install the bolt into the hole followed by the collapsible washer.



2 Rotate the tool 180°.



3 Pulling back, rock the tool side-to-side to engage the collapsible washer.

4 Engage the spring shear sleeve into the shear plane.

5 Slide the face washer forward and move the nut up to fasten to the bolt. Tighten the nut snug tight at this point.

6 Remove the tool by unscrewing it from bolt (counterclockwise).

7 Using the shear wrench engage the outer socket with the splined end of the bolt. Press the trigger until correct tension has been achieved (the bolt spline separates from the bolt).

8 Press the small trigger on the shear wrench to eject the bolt spline. The application is now complete.

THIS INSTALLATION GUIDE WAS CREATED BY ALLFASTENERS. IT WAS ATTACHED FOR REFERENCE ONLY.

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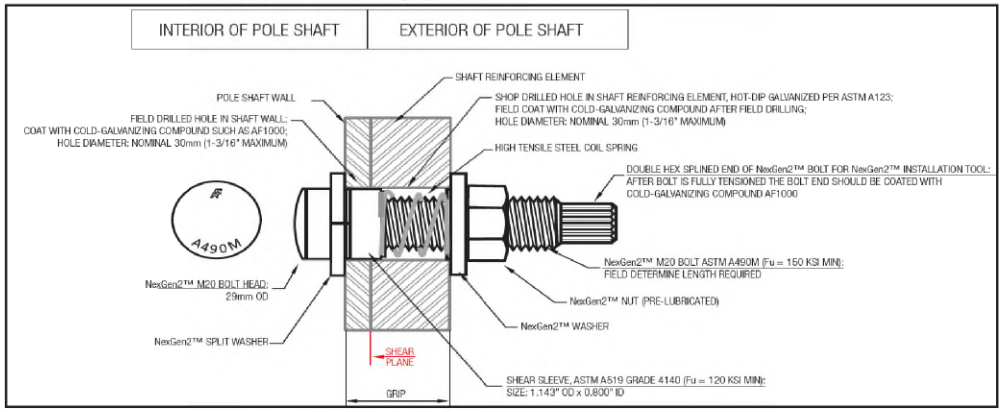
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	BS	03/02/22

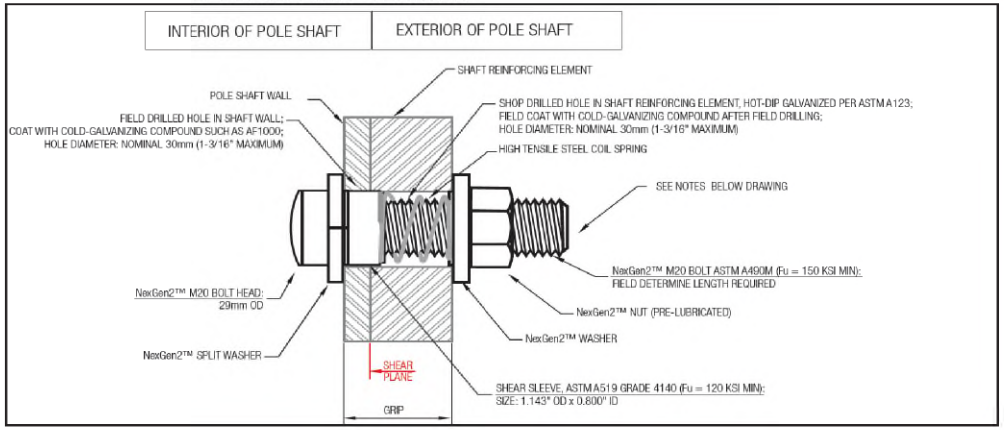
SHEET TITLE:
NEXGEN2 BLIND BOLT ASSEMBLY INSTALLATION GUIDE

SHEET NUMBER: SPEC-1
REV #: 0

TYPICAL NG2™ BOLT DETAIL: ***PRE-TENSION***



TYPICAL NG2™ BOLT DETAIL: ***POST-TENSION***



THIS INSTALLATION GUIDE WAS CREATED BY ALLFASTENERS.
IT WAS ATTACHED FOR REFERENCE ONLY.

Tower Engineering Solutions
1320 GREENWAY DRIVE, SUITE 600
IRVING, TX 75038
PHONE: (972) 483-0607

SBA

5900 BROKEN SOUND PARKWAY, NW
BOCA RATON, FL 33487
(800)-487-SITE

TES JOB NO:
124082

CUSTOMER SITE NO:
CT10022-A-SBA
CUSTOMER SITE NAME:
SIMSBURY 2, CT
225 GRIST MILL ROAD
SIMSBURY, CT 06070

DRAWN BY: BS | CHECKED BY: KA/AD

REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	BS	03/02/22

SHEET TITLE:
NEXGEN2 BLIND BOLT ASSEMBLY INSTALLATION GUIDE

SHEET NUMBER: SPEC-2
REV #: 0

Maser Consulting Connecticut
1055 Washington Boulevard
Stamford, CT 06901
203.324.0800
peter.albano@colliersengineering.com

Antenna Mount Analysis Report and PMI Requirements

Mount Analysis

SMART Tool Project #: 10037818
Maser Consulting Connecticut Project #: 21777087A

November 19, 2021

Site Information	*Site ID:*	*467522-VZW / SIMSBURY CT*
	Site Name:	*SIMSBURY CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*1 Grist Mill Rd* *Simsbury, Connecticut 06070* *Hartford County*
	Latitude:	*41.866709°*
	Longitude:	*-72.815773°*
Structure Information	*Tower Type:*	*150-Ft Monopole*
	Mount Type:	*15.00-Ft Platform*

FUZE ID # 16272399

Analysis Results

Platform: **89.1% Pass**

******Contractor PMI Requirements*:**
Included at the end of this MA report
Available & Submitted via portal at https://pmi.vzwsmart.com
Contractor - Please Review Specific Site PMI Requirements Upon Award
Requirements may also be Noted on A & E drawings
For additional questions and support, please reach out to:
pmisupport@colliersengineering.com

Report Prepared By: Gianna Argentina

Executive Summary:

The objective of this report is to determine the capacity of the antenna support mount at the subject facility for the final wireless telecommunications configuration, per the applicable codes and standards. Any modification listed under Sources of Information was assumed completed and was included in this analysis.

This analysis is inclusive of the mount structure only and does not address the structural capacity of the supporting structure. This mounting frame was not analyzed as an anchor attachment point for fall protection. All climbing activities are required to have a fall protection plan completed by a competent person.

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS, Site ID: 675038, Dated August 27, 2021*
Mount Mapping Report	*RKS Design & Engineering, LLC, Site ID: SBA: CT10022, Dated November 9, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	116 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.50 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.990
Seismic Parameters:	S_S:	0.176 g
	S_1:	0.054 g
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

The following equipment has been considered for the analysis of the mount:

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
138.50	141.50	3	Samsung	MT6407-77A	Added
	140.00	3	Samsung	B2/B66A RRH-BR049 (RFV01U-D1A)	Retained
		3	Samsung	B5/B13 RRH-BR04C (RFV01U-D2A)	
		1	Raycap	RRFDC-3315-PF-48	
		1	Raycap	RHSDC-3315-PF-48	
		3	Amphenol Antel	BXA-70080-4BF-EDIN	
		6	Andrew	SBNHH-1D65B	
	138.00	3	Samsung	XXDWMM-12.5-65-8T-CBRS	

The recent mount mapping reported existing OVP units. It is acceptable to install up to any three (3) of the OVP model numbers listed below as required at any location other than the mount face without affecting the structural capacity of the mount. If OVP units are installed on the mount face, a mount re-analysis may be required unless replacing an existing OVP.

Model Number	Ports	AKA
DB-B1-6C-12AB-0Z	6	OVP-6
RVZDC-6627-PF-48	12	OVP-12

BASELINE mount weight per SBA agreement: 2059.85 lbs

Increase in mount weight due to Verizon loading change per SBA agreement: No Change

The weights listed above include 3 sectors.

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Maser Consulting Connecticut and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. Any deviation from the loading locations specified in this report shall be communicated to Maser Consulting Connecticut to verify deviation will not adversely impact the analysis.

2. Mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

   Obvious safety and structural issues/deficiencies noticed at the time of the mount mapping and reported in the Mount Mapping Report are assumed to be corrected and documented as part of the PMI process and are not considered in the mount analysis.

   The mount analysis and the mount mapping are not a condition assessment of the mount. Proper maintenance and condition assessments are still required post analysis.

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped in accordance with the NSTD-446 Standard, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.

5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.

6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Maser Consulting Connecticut is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.

7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
   - Channel, Solid Round, Angle, Plate — ASTM A36 (Gr. 36)
   - HSS (Rectangular) — ASTM 500 (Gr. B-46)
   - Pipe — ASTM A53 (Gr. B-35)
   - Threaded Rod — F1554 (Gr. 36)
   - Bolts — ASTM A325

Discrepancies between in-field conditions and the assumptions listed above may render this analysis invalid unless explicitly approved by Maser Consulting Connecticut.

Analysis Results:

Component	Utilization %	Pass/Fail
Face Horizontal	*27.9 %*	*Pass*
Standoff Horizontal	*73.1 %*	*Pass*
Corner Plate	*33.7 %*	*Pass*
Grating Support	*18.1 %*	*Pass*
Mount Pipe	*57.2 %*	*Pass*
Support Rail	*31.9 %*	*Pass*
Platform Crossmember	*37.7 %*	*Pass*
Cross Arm Plate	*60.6 %*	*Pass*
Support Rail Angle	*31.9 %*	*Pass*
Mount Connection	*89.1 %*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**89.1%**

Recommendation:

The existing mount is **SUFFICIENT** for the final loading configuration and does not require modifications.

ANSI/ASSP rigging plan review services compliant with the requirements of ANSI/TIA 322 are available for a Construction Class IV site or other, if required. Separate review fees will apply.

Attachments:

1. Mount Photos
2. Mount Mapping Report (for reference only)
3. Analysis Calculations
4. **Contractor Required Post Installation Inspection (PMI) Report Deliverables**
5. Antenna Placement Diagrams
6. TIA Adoption and Wind Speed Usage Letter


2021.11. 9

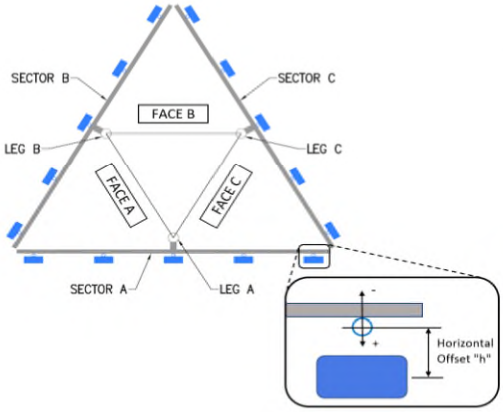

11/09/2021

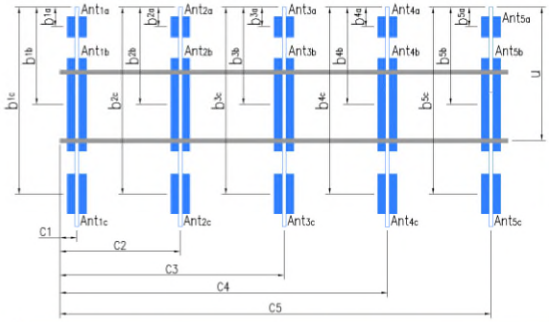
Antenna Mount Mapping Form (PATENT PENDING)

FCC #: UNKNOWN

Tower Owner:	SBA	**Mapping Date:**	11/9/2021
Site Name:	VZW: NE SIMSBURY	**Tower Type:**	Monopole
Site Number or ID:	SBA: CT10022	**Tower Height (Ft.):**	UNKNOWN
Mapping Contractor:	RKS Design & Engineering, LLC	**Mount Elevation (Ft.):**	140.25

Please insert the sketches of the antenna mount from the "Sketches" tab with dimensions and members here.





Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	PIPE 2.375"Ø X 0.17" X 72" LONG	47.50	12.00	C1	PIPE 2.375"Ø X 0.17" X 72" LONG	47.50	12.00
A2	PIPE 2.375"Ø X 0.17" X 72" LONG	47.50	91.00	C2	PIPE 2.375"Ø X 0.17" X 72" LONG	47.50	91.00
A3	PIPE 2.375"Ø X 0.17" X 72" LONG	47.50	143.25	C3	PIPE 2.375"Ø X 0.17" X 72" LONG	47.50	143.25
A4	PIPE 2.375"Ø X 0.17" X 72" LONG	47.50	168.00	C4	PIPE 2.375"Ø X 0.17" X 72" LONG	47.50	168.00
A5				C5			
A6				C6			
B1	PIPE 2.375"Ø X 0.17" X 72" LONG	47.50	12.00	D1			
B2	PIPE 2.375"Ø X 0.17" X 72" LONG	47.50	91.00	D2			
B3	PIPE 2.375"Ø X 0.17" X 72" LONG	47.50	143.25	D3			
B4	PIPE 2.375"Ø X 0.17" X 72" LONG	47.50	168.00	D4			
B5				D5			
B6				D6			

Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	4
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	

Please enter additional infomation or comments below.

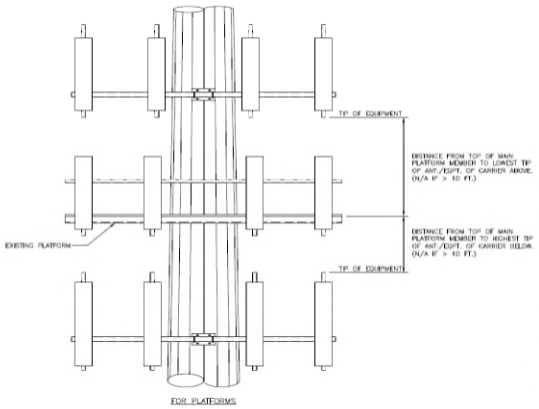
Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	30
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.			0.375

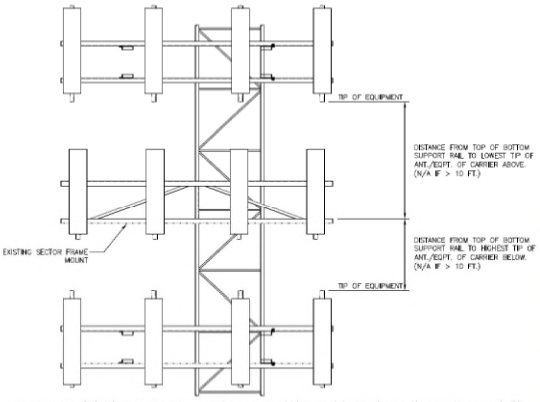
	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}	RFV01U-D1A	15.00	10.00	15.00		142.917	15.50	-8.00		25, 261
Ant_{1b}	(2)SBNHH-1D65B	12.00	7.00	72.00		141.292	35.00	8.50	60.00	25, 261
Ant_{1c}										
Ant_{2a}	RFV01U-D2A	15.00	8.00	15.00		140.792	41.00	-8.00		25, 262
Ant_{2b}	CBRS	11.50	5.50	16.00		142.958	15.00	8.00	60.00	25
Ant_{2c}										
Ant_{3a}	FD9R6004/2C-3L	6.50	1.50	6.00		142.542	20.00	-3.00		25, 263
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	BXA-70080-4CF-EDIN	8.00	6.00	47.50		140.708	42.00	10.00	60.00	25, 263
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	FD9R6004/2C-3L	6.50	1.50	6.00			3.00			25, 261
Ant on Standoff	RRFDC-3315-PF-48	16.00	10.00	25.50			14.00	-6.00		25
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	60.00	Deg	Leg A:		Deg
Sector B:	180.00	Deg	Leg B:		Deg
Sector C:	300.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

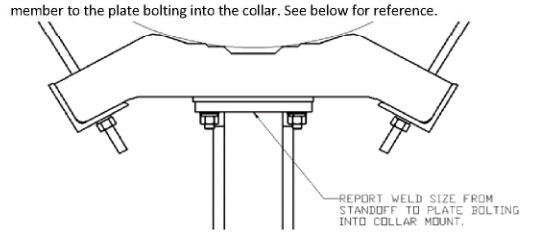
Climbing Facility Information			
Location:	120.00	Deg	N/A
Climbing Facility	Corrosion Type:		N/A
	Access:		Climbing path was unobstructed.
	Condition:		Good condition.

Please insert a photo of the mount centerline measurement here.





For T-Arms/Platforms on monopoles, record the weld size from the main standoff member to the plate bolting into the collar. See below for reference.



Sector B										
Ant_{1a}	RFV01U-D1A	15.00	10.00	15.00		142.917	15.50	-8.00		32, 266
Ant_{1b}	(2)SBNHH-1D65B	12.00	7.00	72.00		141.292	35.00	8.50	180.00	32, 266
Ant_{1c}										
Ant_{2a}	RFV01U-D2A	15.00	8.00	15.00		140.792	41.00	-8.00		32, 269
Ant_{2b}	CBRS	11.50	5.50	16.00		142.958	15.00	8.00	180.00	32, 269
Ant_{2c}										
Ant_{3a}	FD9R6004/2C-3L	6.50	1.50	6.00		142.542	20.00	-3.00		32, 270
Ant_{3b}										
Ant_{3c}										
Ant_{4a}	GPS	3.50	3.50	36.00		144.208				32, 270
Ant_{4b}	BXA-70080-4CF-EDIN	8.00	6.00	47.50		140.708	42.00	10.00	180.00	32, 270
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	FD9R6004/2C-3L	6.50	1.50	6.00			3.00			32, 269
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}	RFV01U-D1A	15.00	10.00	15.00		142.917	15.50	-8.00		40, 272
Ant_{1b}	(2)SBNHH-1D65B	12.00	7.00	72.00		141.292	35.00	8.50	300.00	40, 272
Ant_{1c}										
Ant_{2a}	RFV01U-D2A	15.00	8.00	15.00		140.792	41.00	-8.00		40, 273
Ant_{2b}	CBRS	11.50	5.50	16.00		142.958	15.00	8.00	300.00	40, 273
Ant_{2c}										
Ant_{3a}	FD9R6004/2C-3L	6.50	1.50	6.00		142.542	20.00	-3.00		40, 274
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	BXA-70080-4CF-EDIN	8.00	6.00	47.50		140.708	42.00	10.00	300.00	40, 275
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	FD9R6004/2C-3L	6.50	1.50	6.00			3.00			40,273
Ant on Standoff	RHSDC-3315-PF-48	17.50	10.50	25.50			14.00	5.50		40
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #
1	COAX TOTAL (15): (12) FH1-5/8, (1) FH7/8, (2) 1.50"Ø	
2		
3		
4		
5		
6		
7		
8		

Observed Obstructions to Tower Lighting System				
If the tower lighting system is being obstructed by the carrier's equipment (for example: a light nested by the antennas), please provide photos and fill in the information below.				Photo #
Description of Obstruction:				
Type of Light:		Photo #		Additional Comments:
Lighting Technology:		Photo #		
Elevation (AGL) at base of light (Ft.):		Photo #		
Is a service loop available?		Photo #		
Is beacon installed on an extension?		Photo #		

Mapping Notes
1. Please report any visible structural or safety issues observed on the antenna mounts (Damaged members, loose connections, tilting mounts, safety climb issues, etc.)
2. If the thickness of the existing pipes or tubing can't be obtained from a general tool (such as Caliper), please use an ultrasonic measurement tool (thickness gauge) to measure the thickness.
3. Please create all required detail sketches of the mounts and insert them into the "Sketches" tab.
4. Please measure and enter the bolt sizes and types under the Members Box in the spreadsheet of the mount type.
5. Take and label the photos of the tower, mounts, connections, antennas and all measurements. Minimum 50 photos are required.
6. Please measure and report the size and length of all existing antenna mounting pipes.
7. Please measure and report the antenna information for all sectors.
8. Don't delete or rearrange any sheet or contents of any sheet from this mapping form.

Standard Conditions
1. Obvious safety and structural issues/deficiencies noticed at the time of the mount mapping are to be reported in this mapping. However, this mount mapping is not a condition assessment of the mount.

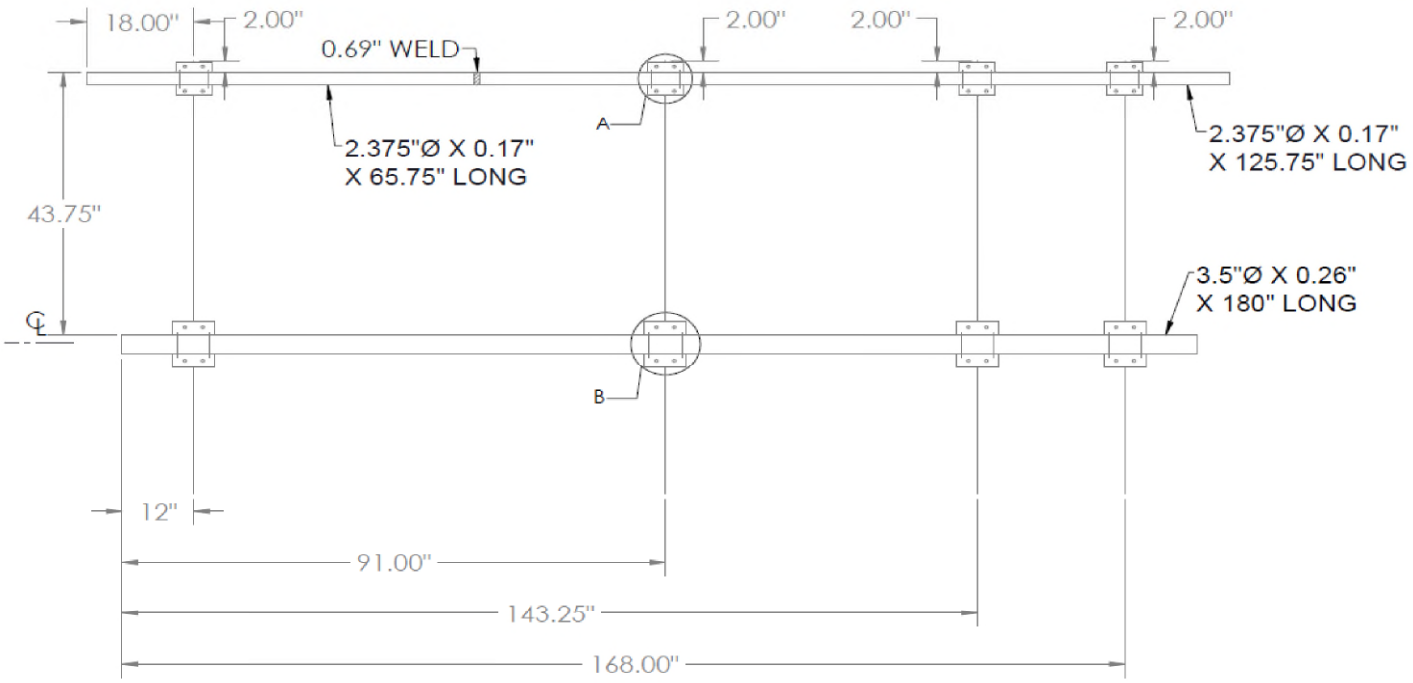
MASER CONSULTING P.A

Antenna Mount Mapping Form (PATENT PENDING)

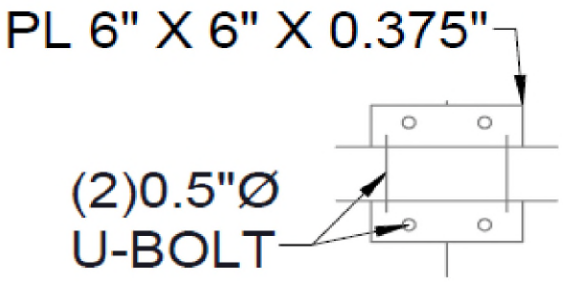
FCC #: UNKNOWN

Tower Owner:	SBA	**Mapping Date:**	11/9/2021
Site Name:	VZW: NE SIMSBURY	**Tower Type:**	Monopole
Site Number or ID:	SBA: CT10022	**Tower Height (Ft.):**	UNKNOWN
Mapping Contractor:	RKS Design & Engineering, LLC	**Mount Elevation (Ft.):**	140.25

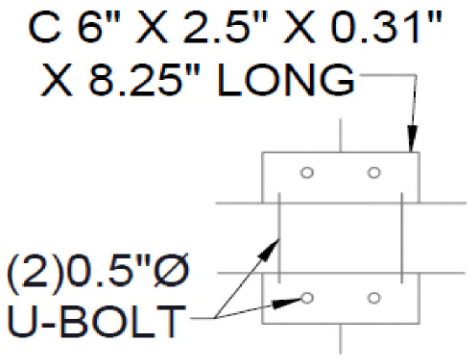
Please Insert Sketches of the Antenna Mount



SECTOR A & C

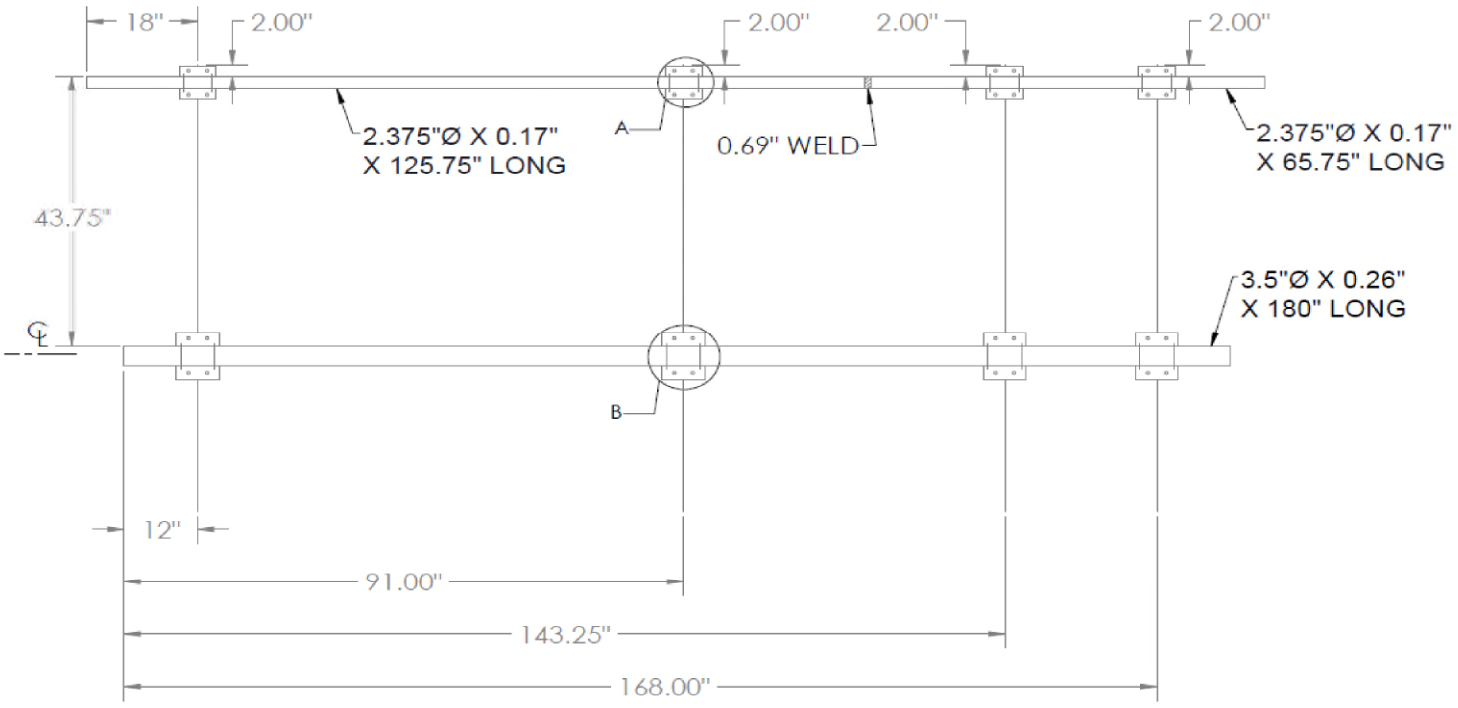


DETAIL A



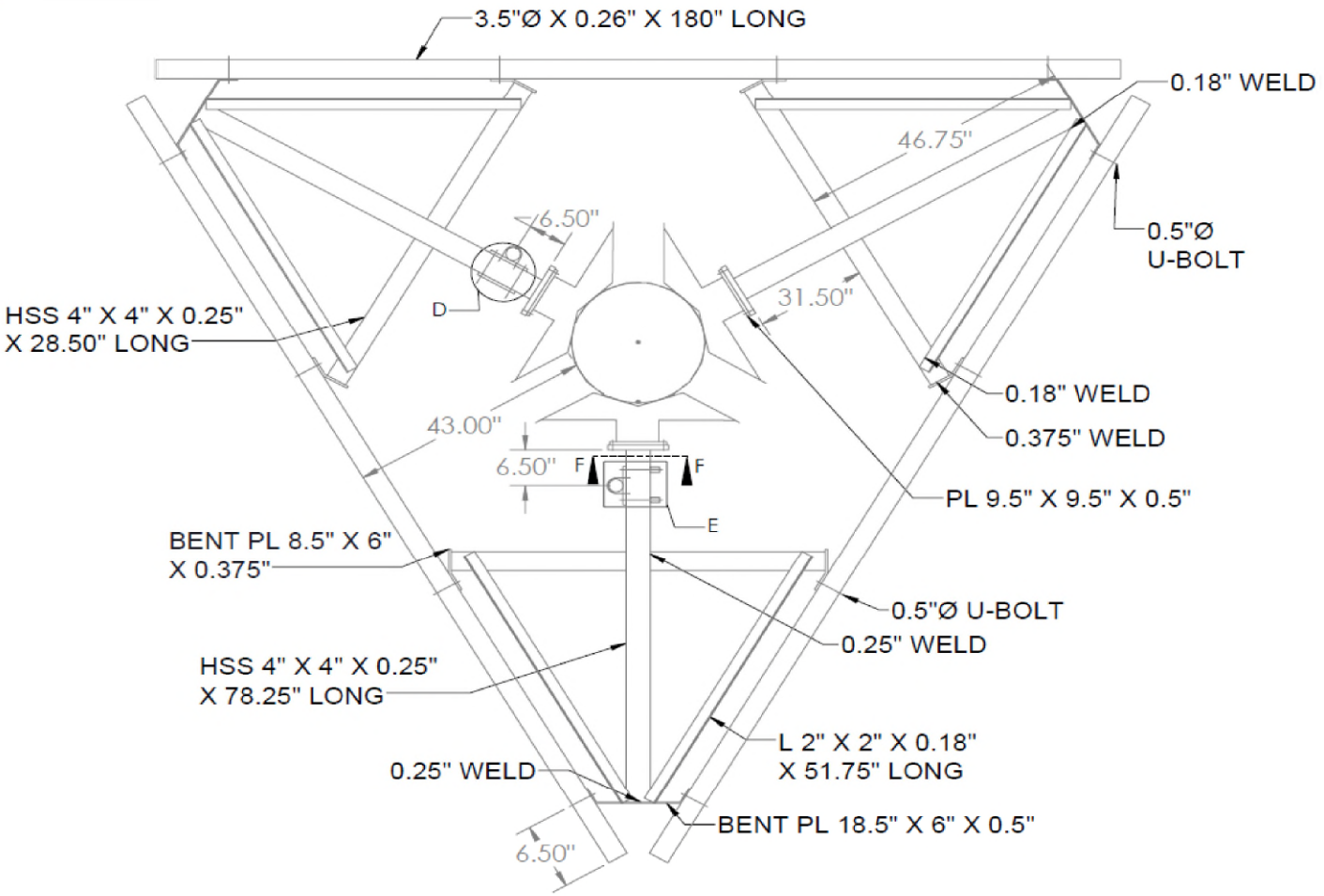
DETAIL B

Please Insert Sketches of the Antenna Mount, cont'd

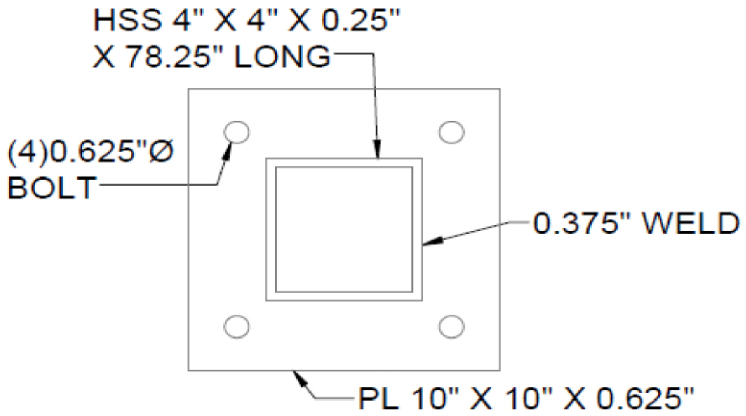


SECTOR B

Please Insert Sketches of the Antenna Mount, cont'd

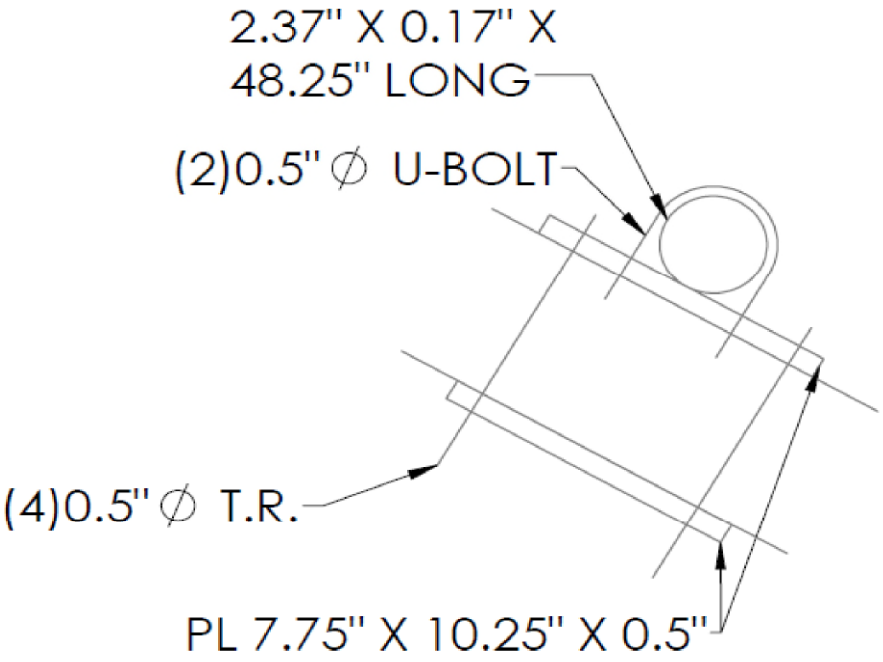


MOUNT PLAN VIEW

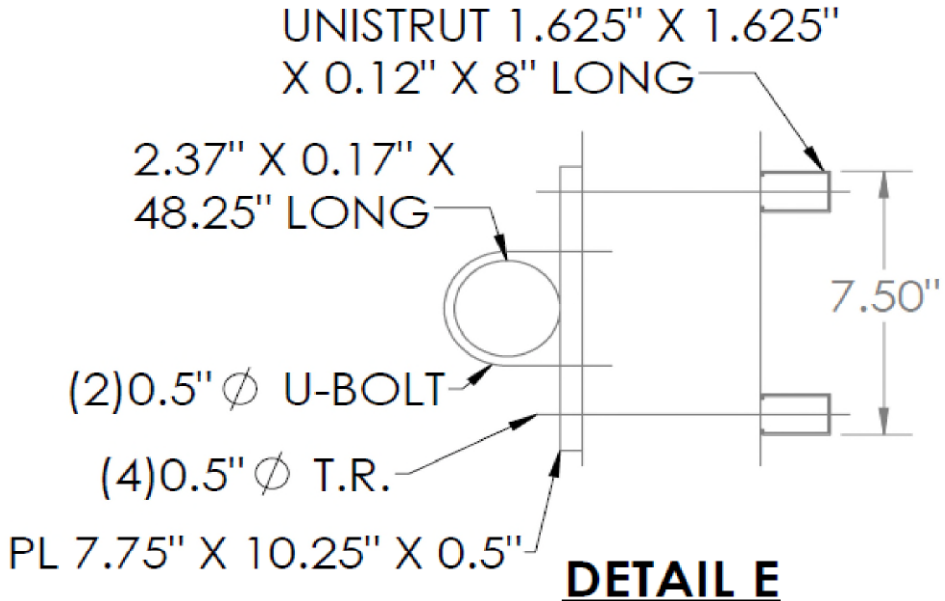


SECTION F-F

Please Insert Sketches of the Antenna Mount, cont'd

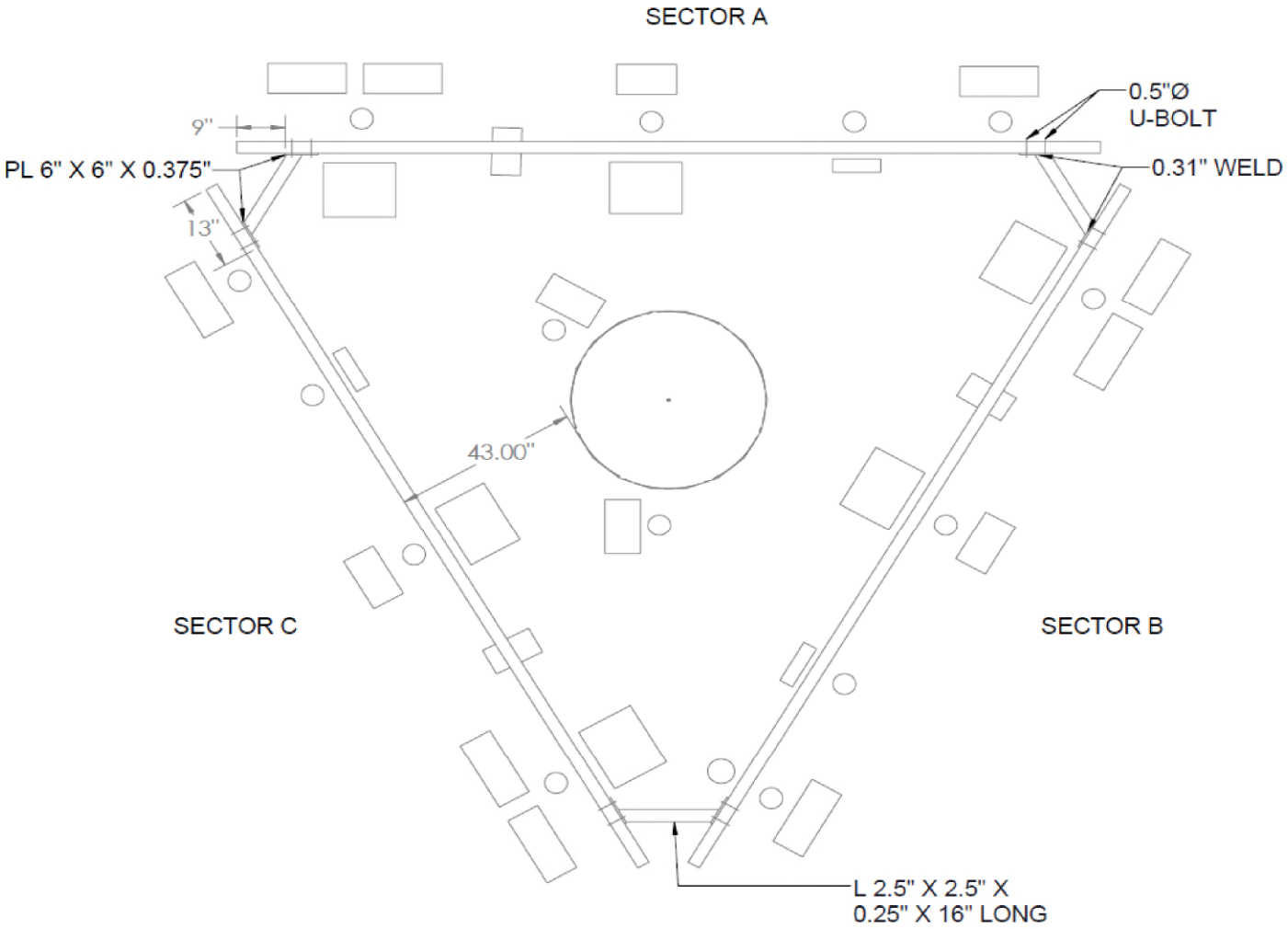


DETAIL D

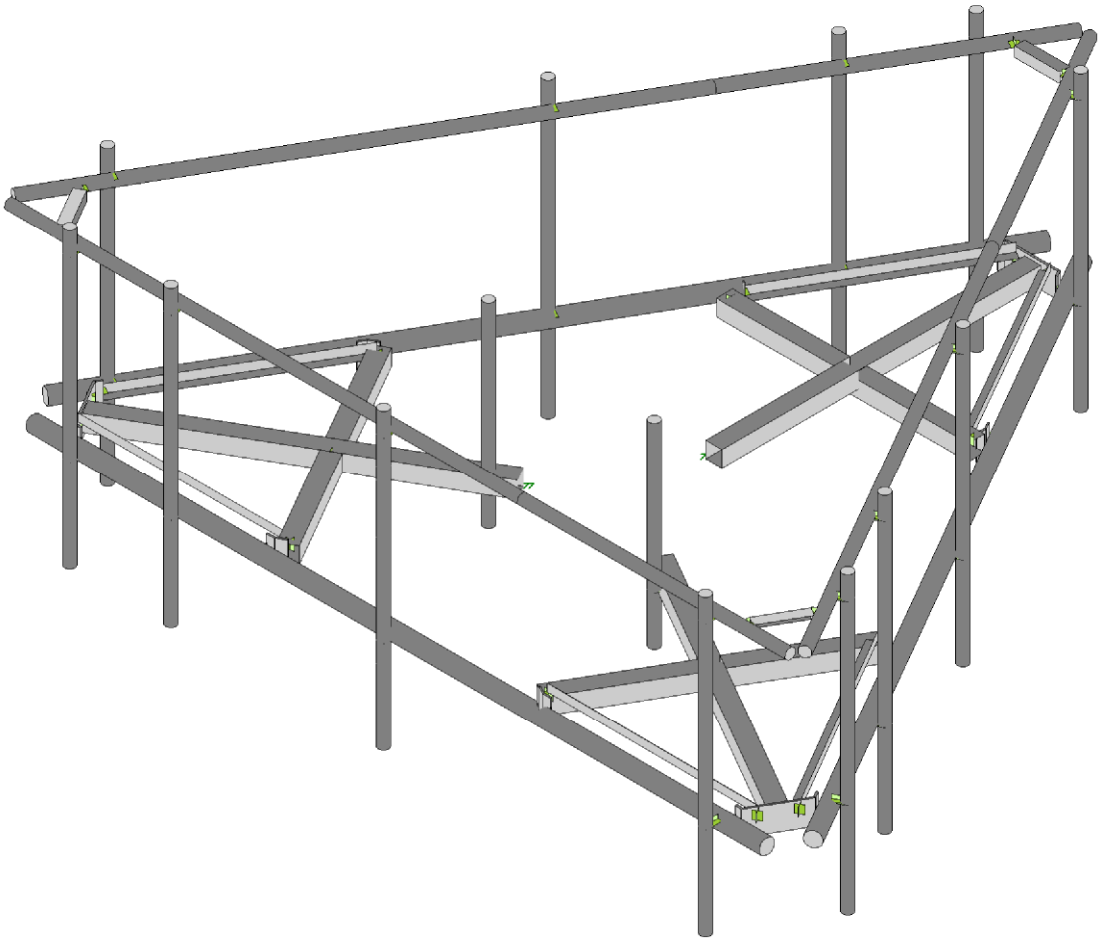


DETAIL E

Please Insert Sketches of the Antenna Mount, cont'd

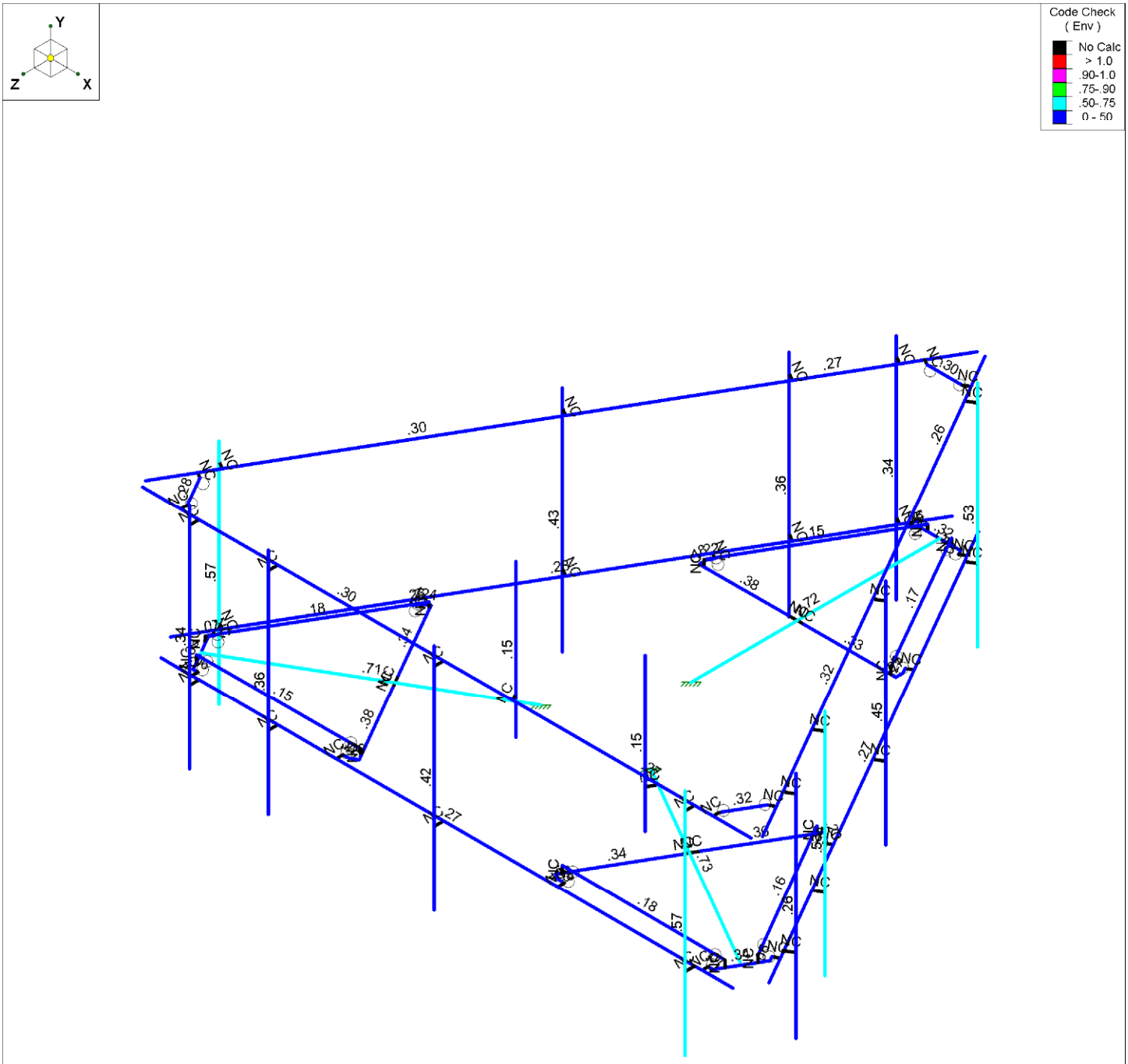


ANTENNA PLAN VIEW



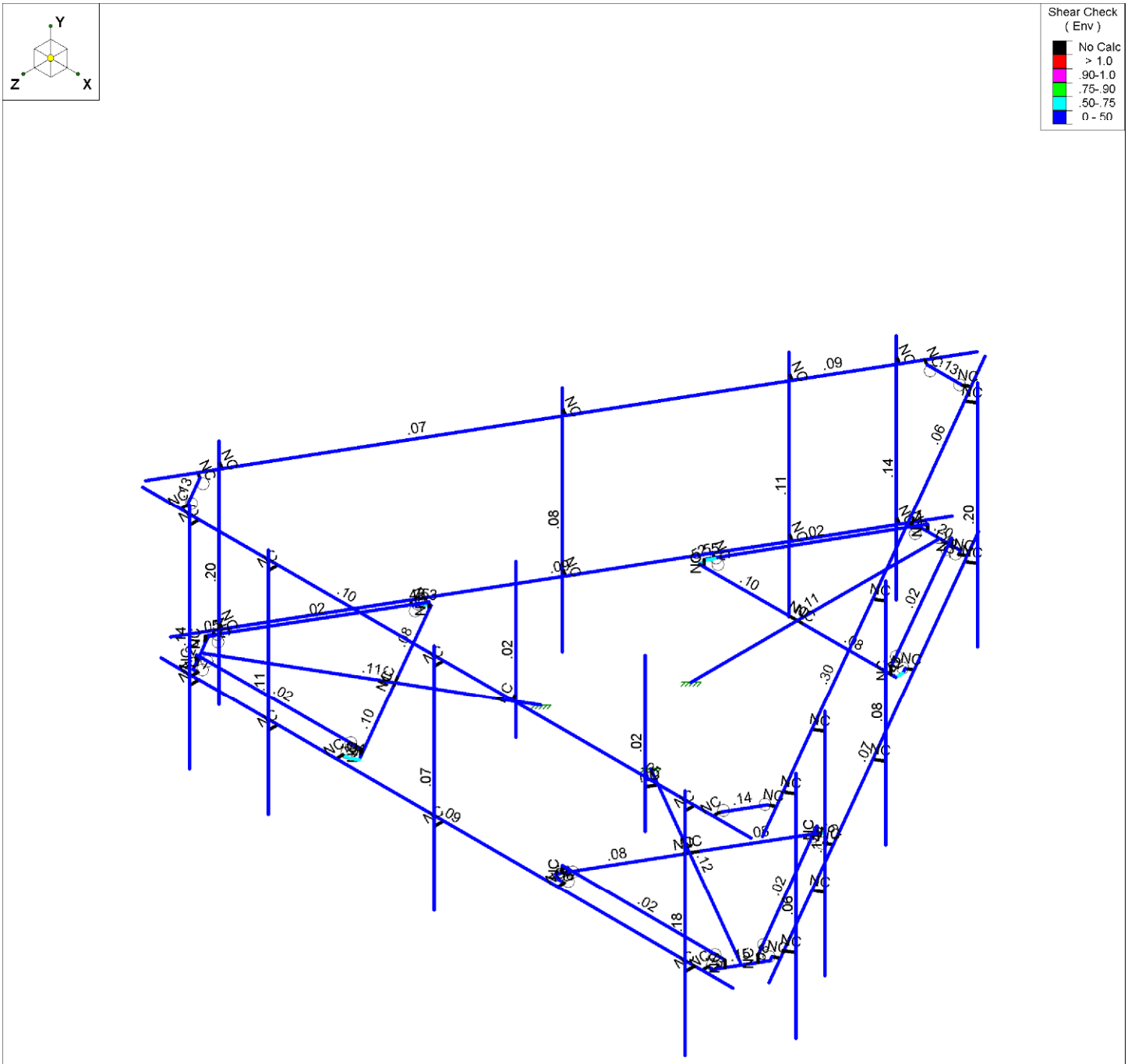
Envelope Only Solution

		Rendered
		Nov 19, 2021 at 9:46 AM
		467522-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

		Bending
		Nov 19, 2021 at 9:47 AM
		467522-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

		Shear
		Nov 19, 2021 at 9:47 AM
		467522-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					105			
2	Antenna Di	None					105			
3	Antenna Wo (0 Deg)	None					105			
4	Antenna Wo (30 Deg)	None					105			
5	Antenna Wo (60 Deg)	None					105			
6	Antenna Wo (90 Deg)	None					105			
7	Antenna Wo (120 Deg)	None					105			
8	Antenna Wo (150 Deg)	None					105			
9	Antenna Wo (180 Deg)	None					105			
10	Antenna Wo (210 Deg)	None					105			
11	Antenna Wo (240 Deg)	None					105			
12	Antenna Wo (270 Deg)	None					105			
13	Antenna Wo (300 Deg)	None					105			
14	Antenna Wo (330 Deg)	None					105			
15	Antenna Wi (0 Deg)	None					105			
16	Antenna Wi (30 Deg)	None					105			
17	Antenna Wi (60 Deg)	None					105			
18	Antenna Wi (90 Deg)	None					105			
19	Antenna Wi (120 Deg)	None					105			
20	Antenna Wi (150 Deg)	None					105			
21	Antenna Wi (180 Deg)	None					105			
22	Antenna Wi (210 Deg)	None					105			
23	Antenna Wi (240 Deg)	None					105			
24	Antenna Wi (270 Deg)	None					105			
25	Antenna Wi (300 Deg)	None					105			
26	Antenna Wi (330 Deg)	None					105			
27	Antenna Wm (0 Deg)	None					105			
28	Antenna Wm (30 Deg)	None					105			
29	Antenna Wm (60 Deg)	None					105			
30	Antenna Wm (90 Deg)	None					105			
31	Antenna Wm (120 De...	None					105			
32	Antenna Wm (150 De...	None					105			
33	Antenna Wm (180 De...	None					105			
34	Antenna Wm (210 De...	None					105			
35	Antenna Wm (240 De...	None					105			
36	Antenna Wm (270 De...	None					105			
37	Antenna Wm (300 De...	None					105			
38	Antenna Wm (330 De...	None					105			
39	Structure D	None		-1					3	
40	Structure Di	None						62	3	
41	Structure Wo (0 Deg)	None						124		
42	Structure Wo (30 Deg)	None						124		
43	Structure Wo (60 Deg)	None						124		
44	Structure Wo (90 Deg)	None						124		
45	Structure Wo (120 D...	None						124		
46	Structure Wo (150 D...	None						124		
47	Structure Wo (180 D...	None						124		
48	Structure Wo (210 D...	None						124		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
49	Structure Wo (240 D...	None						124		
50	Structure Wo (270 D...	None						124		
51	Structure Wo (300 D...	None						124		
52	Structure Wo (330 D...	None						124		
53	Structure Wi (0 Deg)	None						124		
54	Structure Wi (30 Deg)	None						124		
55	Structure Wi (60 Deg)	None						124		
56	Structure Wi (90 Deg)	None						124		
57	Structure Wi (120 De...	None						124		
58	Structure Wi (150 De...	None						124		
59	Structure Wi (180 De...	None						124		
60	Structure Wi (210 De...	None						124		
61	Structure Wi (240 De...	None						124		
62	Structure Wi (270 De...	None						124		
63	Structure Wi (300 De...	None						124		
64	Structure Wi (330 De...	None						124		
65	Structure Wm (0 Deg)	None						124		
66	Structure Wm (30 D...	None						124		
67	Structure Wm (60 D...	None						124		
68	Structure Wm (90 D...	None						124		
69	Structure Wm (120 ...	None						124		
70	Structure Wm (150 ...	None						124		
71	Structure Wm (180 ...	None						124		
72	Structure Wm (210 ...	None						124		
73	Structure Wm (240 ...	None						124		
74	Structure Wm (270 ...	None						124		
75	Structure Wm (300 ...	None						124		
76	Structure Wm (330 ...	None						124		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					105			
82	Antenna Eh (0 Deg)	None					70			
83	Antenna Eh (90 Deg)	None					70			
84	Structure Ev	ELY		-.021						
85	Structure Eh (0 Deg)	ELZ	-.053							
86	Structure Eh (90 Deg)	ELX			.053					
87	BLC 39 Transient Are...	None						30		
88	BLC 40 Transient Are...	None						30		

Load Combinations

	Description	S...	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	1.2D+1.0Wo (0 Deg)	Yes	Y		1	1.2	39	1.2	3	1	41	1														
2	1.2D+1.0Wo (30 Deg)	Yes	Y		1	1.2	39	1.2	4	1	42	1														
3	1.2D+1.0Wo (60 Deg)	Yes	Y		1	1.2	39	1.2	5	1	43	1														
4	1.2D+1.0Wo (90 Deg)	Yes	Y		1	1.2	39	1.2	6	1	44	1														
5	1.2D+1.0Wo (120 Deg)	Yes	Y		1	1.2	39	1.2	7	1	45	1														
6	1.2D+1.0Wo (150 Deg)	Yes	Y		1	1.2	39	1.2	8	1	46	1														
7	1.2D+1.0Wo (180 Deg)	Yes	Y		1	1.2	39	1.2	9	1	47	1														

Load Combinations (Continued)

	Description	S...	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
8	1.2D+1.0Wo (210 Deg)	Yes	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0Wo (240 Deg)	Yes	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0Wo (270 Deg)	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0Wo (300 Deg)	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0Wo (330 Deg)	Yes	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0Di + 1.0Wi (0 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0Di + 1.0Wi (30 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0Di + 1.0Wi (60 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + 1.0Wi (90 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0Di + 1.0Wi (120 De...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0Di + 1.0Wi (150 De...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di + 1.0Wi (180 De...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + 1.0Wi (210 De...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di + 1.0Wi (240 De...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1.0Wi (270 De...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1.0Wi (300 De...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1.0Wi (330 De...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + 1.0Wm (0 D...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1.0Wm (30 ...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 + 1.0Wm (60 ...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0Wm (90 ...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0Wm (12...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0Wm (15...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0Wm (18...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0Wm (21...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0Wm (24...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0Wm (27...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0Wm (30...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0Wm (33...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0Wm (0 D...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0Wm (30 ...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0Wm (60 ...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0Wm (90 ...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0Wm (12...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0Wm (15...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0Wm (18...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0Wm (21...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0Wm (24...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0Wm (27...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0Wm (30...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0Wm (33...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	1.2D + 1.0Ev + 1.0Eh (0 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	1	83		ELZ	1	E...					
53	1.2D + 1.0Ev + 1.0Eh (30 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	.5	ELZ	.866	E...	.5				
54	1.2D + 1.0Ev + 1.0Eh (60 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	.866	ELZ	.5	E...	.866				
55	1.2D + 1.0Ev + 1.0Eh (90 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	1	ELZ		E...	1				
56	1.2D + 1.0Ev + 1.0Eh (120 D...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	.866	ELZ	-.5	E...	.866				
57	1.2D + 1.0Ev + 1.0Eh (150 D...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.8...	83	.5	ELZ	-.8...	E...	.5				
58	1.2D + 1.0Ev + 1.0Eh (180 D...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-1	83		ELZ	-1	E...					
59	1.2D + 1.0Ev + 1.0Eh (210 D...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.8...	83	-.5	ELZ	-.8...	E...	-.5				

Load Combinations (Continued)

	Description	S...	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
60	1.2D + 1.0Ev + 1.0Eh (240 D...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	-.8...	ELZ	-.5	E...	-.8...				
61	1.2D + 1.0Ev + 1.0Eh (270 D...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	-1	ELZ		E...	-1				
62	1.2D + 1.0Ev + 1.0Eh (300 D...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	-.8...	ELZ	.5	E...	-.8...				
63	1.2D + 1.0Ev + 1.0Eh (330 D...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	-.5	ELZ	.866	E...	-.5				
64	0.9D - 1.0Ev + 1.0Eh (0 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	1	83		ELZ	1	E...					
65	0.9D - 1.0Ev + 1.0Eh (30 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	.5	ELZ	.866	E...	.5				
66	0.9D - 1.0Ev + 1.0Eh (60 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	.866	ELZ	.5	E...	.866				
67	0.9D - 1.0Ev + 1.0Eh (90 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	1	ELZ		E...	1				
68	0.9D - 1.0Ev + 1.0Eh (120 De...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	.866	ELZ	-.5	E...	.866				
69	0.9D - 1.0Ev + 1.0Eh (150 De...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.8...	83	.5	ELZ	-.8...	E...	.5				
70	0.9D - 1.0Ev + 1.0Eh (180 De...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-1	83		ELZ	-1	E...					
71	0.9D - 1.0Ev + 1.0Eh (210 De...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.8...	83	-.5	ELZ	-.8...	E...	-.5				
72	0.9D - 1.0Ev + 1.0Eh (240 De...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	-.8...	ELZ	-.5	E...	-.8...				
73	0.9D - 1.0Ev + 1.0Eh (270 De...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	-1	ELZ		E...	-1				
74	0.9D - 1.0Ev + 1.0Eh (300 De...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	-.8...	ELZ	.5	E...	-.8...				
75	0.9D - 1.0Ev + 1.0Eh (330 De...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	-.5	ELZ	.866	E...	-.5				

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N36	-7.499996	0	4.626682	0	
2	N53A	7.499996	0	4.626682	0	
3	N112A	0.	0	-1.770914	0	
4	N114	0.	0	-8.29175	0	
5	N121	0.316678	0.166667	-8.291155	0	
6	N122	-0.315987	0.166667	-8.292344	0	
7	N123	0.317021	0	-8.29175	0	
8	N124A	-0.31633	0	-8.29175	0	
9	N128	0.546877	0	-8.29175	0	
10	N129	-0.546873	0	-8.29175	0	
11	N134	-0.609373	0	-8.183497	0	
12	N135	-0.751031	0	-8.265283	0	
13	N138	0.609377	0	-8.183497	0	
14	N139	0.751032	0	-8.265282	0	
15	N95	6.499996	0	4.626682	0	
16	N96	6.499996	3.645833	4.626682	0	
17	N97	-0.083337	0	4.626682	0	
18	N98	-0.083337	3.645833	4.626682	0	
19	N99A	-4.437504	0	4.626682	0	
20	N100A	-4.437504	3.645833	4.626682	0	
21	N101A	-6.500004	0	4.626682	0	
22	N102A	-6.500004	3.645833	4.626682	0	
23	N103A	6.499996	0	4.876682	0	
24	N104A	6.499996	3.645833	4.876682	0	
25	N105A	-0.083337	0	4.876682	0	
26	N106A	-0.083337	3.645833	4.876682	0	
27	N107A	-4.437504	0	4.876682	0	
28	N108A	-4.437504	3.645833	4.876682	0	
29	N109A	-6.500004	0	4.876682	0	
30	N110A	-6.500004	3.645833	4.876682	0	
31	N111A	6.499996	4.104167	4.876682	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
32	N112B	-0.083337	4.104167	4.876682	0	
33	N113B	-4.437504	4.104167	4.876682	0	
34	N114A	-6.500004	4.104167	4.876682	0	
35	N115A	6.499996	-1.895833	4.876682	0	
36	N116B	-0.083337	-1.895833	4.876682	0	
37	N117A	-4.437504	-1.895833	4.876682	0	
38	N118	-6.500004	-1.895833	4.876682	0	
39	N57	-7.979163	3.645833	4.626682	0	
40	N58	7.979163	3.645833	4.626682	0	
41	N56	0.	0	-4.565367	0	
42	N57A	-2.572908	0	-4.565367	0	
43	N58A	2.445205	0.166667	-4.565367	0	
44	N59	-2.445201	0.166667	-4.565367	0	
45	N60	2.445205	0	-4.565367	0	
46	N61	-2.445201	0	-4.565367	0	
47	N62	2.572911	0	-4.565367	0	
48	N63	-0.166665	0	-4.565367	0	
49	N64	0.166669	0	-4.565367	0	
50	N65	-2.572908	0	-4.752867	0	
51	N66	2.572911	0	-4.752867	0	
52	N67	-2.489574	0	-4.897205	0	
53	N68	-2.644087	0	-4.986413	0	
54	N69	2.489578	0	-4.897205	0	
55	N70	2.644088	0	-4.986412	0	
56	CP	0	0	-0.104247	0	
57	N57B	7.847103	0	4.025475	0	
58	N58B	0.347107	0	-8.964899	0	
59	N59A	-1.443376	0	0.729086	0	
60	N60A	-7.090585	0	3.989504	0	
61	N61A	-7.248409	0.166667	3.714955	0	
62	N62A	-6.933106	0.166667	4.263454	0	
63	N63A	-7.249096	0	3.714955	0	
64	N64A	-6.93242	0	4.263454	0	
65	N65A	-7.364024	0	3.515895	0	
66	N66A	-6.817149	0	4.46311	0	
67	N67A	-6.692149	0	4.46311	0	
68	N68A	-6.692149	0	4.626682	0	
69	N69A	-7.301524	0	3.407641	0	
70	N70A	-7.443179	0	3.325857	0	
71	N71	0.847107	0	-8.098874	0	
72	N72	0.847107	3.645833	-8.098874	0	
73	N73	4.138774	0	-2.39754	0	
74	N74	4.138774	3.645833	-2.39754	0	
75	N75	6.315857	0	1.373279	0	
76	N76	6.315857	3.645833	1.373279	0	
77	N77	7.347107	0.041667	3.159456	0	
78	N78	7.347107	3.645833	3.159456	0	
79	N79	1.063614	0	-8.223874	0	
80	N80	1.063614	3.645833	-8.223874	0	
81	N81	4.35528	0	-2.52254	0	
82	N82	4.35528	3.645833	-2.52254	0	
83	N83	6.532364	0	1.248279	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
84	N84	6.532364	3.645833	1.248279	0	
85	N85	7.563614	0.041667	3.034456	0	
86	N86	7.563614	3.645833	3.034456	0	
87	N87	1.063614	4.104167	-8.223874	0	
88	N88	4.35528	4.104167	-2.52254	0	
89	N89	6.532364	4.104167	1.248279	0	
90	N90	7.563614	4.104167	3.034456	0	
91	N91	1.063614	-1.895833	-8.223874	0	
92	N92	4.35528	-1.895833	-2.52254	0	
93	N93	6.532364	-1.895833	1.248279	0	
94	N94	7.563614	-1.895833	3.034456	0	
95	N95A	8.086687	3.645833	4.440445	0	
96	N96A	0.107524	3.645833	-9.37987	0	
97	N97A	-3.86344	0	2.126311	0	
98	N98A	-2.576989	0	4.354516	0	
99	N99	-5.086046	0.166667	0.008703	0	
100	N100	-2.640843	0.166667	4.243919	0	
101	N101	-5.086046	0	0.008703	0	
102	N102	-2.640843	0	4.243919	0	
103	N103	-5.149899	0	-0.101894	0	
104	N104	-3.780111	0	2.270648	0	
105	N105	-3.946778	0	1.981973	0	
106	N106	-2.739369	0	4.448266	0	
107	N107	-5.312279	0	-0.008144	0	
108	N108	-2.906036	0	4.448266	0	
109	N109	-2.906036	0	4.626682	0	
110	N110	-5.395612	0	0.136193	0	
111	N111	-5.550122	0	0.046987	0	
112	N113	-0.347107	0	-8.964899	0	
113	N114B	-7.847103	0	4.025475	0	
114	N115	1.443376	0	0.729086	0	
115	N116	7.090585	0	3.989504	0	
116	N117	6.931731	0.166667	4.263457	0	
117	N118A	7.249093	0.166667	3.716148	0	
118	N119	6.932075	0	4.264053	0	
119	N120	7.24875	0	3.715554	0	
120	N121A	6.817147	0	4.463113	0	
121	N122A	7.364022	0	3.515898	0	
122	N123A	7.301522	0	3.407645	0	
123	N124	7.44318	0	3.325859	0	
124	N125	6.692147	0	4.463113	0	
125	N126	6.692147	0	4.626682	0	
126	N127	-7.347103	0	3.159449	0	
127	N128A	-7.347103	3.645833	3.159449	0	
128	N129A	-4.055437	0	-2.541884	0	
129	N130	-4.055437	3.645833	-2.541884	0	
130	N131	-1.878353	0	-6.312703	0	
131	N132	-1.878353	3.645833	-6.312703	0	
132	N133	-0.847103	0	-8.098881	0	
133	N134A	-0.847103	3.645833	-8.098881	0	
134	N135A	-7.56361	0	3.034449	0	
135	N136	-7.56361	3.645833	3.034449	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
136	N137	-4.271943	0	-2.666884	0	
137	N138A	-4.271943	3.645833	-2.666884	0	
138	N139A	-2.09486	0	-6.437703	0	
139	N140	-2.09486	3.645833	-6.437703	0	
140	N141	-1.06361	0	-8.223881	0	
141	N142	-1.06361	3.645833	-8.223881	0	
142	N143	-7.56361	4.104167	3.034449	0	
143	N144	-4.271943	4.104167	-2.666884	0	
144	N145	-2.09486	4.104167	-6.437703	0	
145	N146	-1.06361	4.104167	-8.223881	0	
146	N147	-7.56361	-1.895833	3.034449	0	
147	N148	-4.271943	-1.895833	-2.666884	0	
148	N149	-2.09486	-1.895833	-6.437703	0	
149	N150	-1.06361	-1.895833	-8.223881	0	
150	N151	-0.107524	3.645833	-9.37987	0	
151	N152	-8.086687	3.645833	4.440445	0	
152	N153	3.86344	0	2.126311	0	
153	N154	5.149897	0	-0.101891	0	
154	N155	2.640841	0.166667	4.243922	0	
155	N156	5.086044	0.166667	0.008706	0	
156	N157	2.640841	0	4.243922	0	
157	N158	5.086044	0	0.008706	0	
158	N159	2.576988	0	4.354519	0	
159	N160	3.946776	0	1.981977	0	
160	N161	3.780109	0	2.270652	0	
161	N162	5.312277	0	-0.008141	0	
162	N163	2.739367	0	4.448269	0	
163	N164	5.39561	0	0.136197	0	
164	N165	5.550123	0	0.046989	0	
165	N166	2.906034	0	4.448269	0	
166	N167	2.906034	0	4.626682	0	
167	N172	-1.912473	0	0.999919	0	
168	N173	-2.037473	0	0.783413	0	
169	N174	-2.037473	-1	0.783413	0	
170	N175	-2.037473	3	0.783413	0	
171	N177	1.912473	0	0.999919	0	
172	N178	1.787473	0	1.216426	0	
173	N179	1.787473	-1	1.216426	0	
174	N180	1.787473	3	1.216426	0	
175	N175A	-6.979163	3.645833	4.626682	0	
176	N176	6.979163	3.645833	4.626682	0	
177	N177A	-6.979163	3.645833	4.460016	0	
178	N178A	6.979163	3.645833	4.460016	0	
179	N180A	7.586687	3.645833	3.57442	0	
180	N181	0.607524	3.645833	-8.513844	0	
181	N182	7.442349	3.645833	3.657753	0	
182	N183	0.463186	3.645833	-8.430511	0	
183	N185	-0.607524	3.645833	-8.513844	0	
184	N186	-7.586687	3.645833	3.57442	0	
185	N187	-0.463186	3.645833	-8.430511	0	
186	N188	-7.442349	3.645833	3.657753	0	
187	N187A	-0.083337	1.822917	4.876682	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
188	N188A	-0.083337	3.072917	4.876682	0	
189	N189	-0.083337	2.822917	4.876682	0	
190	N190	-0.083337	-0.427083	4.876682	0	
191	N191	2.499996	3.645833	4.626682	0	
192	N192	2.847107	3.645833	-4.634772	0	
193	N193	-2.847103	3.645833	-4.634779	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff Horizontal	HSS4X4X4	Beam	SquareTube	A36 Gr.36	Typical	3.37	7.8	7.8	12.8
3	Support Rail	PIPE_2.0	Beam	SquareTube	A53 Gr.B	Typical	1.02	.627	.627	1.25
4	Corner Plate	PL1/2x6	Beam	BAR	A36 Gr.36	Typical	3	.063	9	.237
5	Platform Crossmember	HSS4X4X3	Beam	SquareTube	A36 Gr.36	Typical	2.58	6.21	6.21	10
6	Grating Support	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
7	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
8	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
9	Support Rail Angle	L2.5x2.5x4	Column	Single Angle	A36 Gr.36	Typical	1.19	.692	.692	.026

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E...	Density[k/ft...	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	.527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
7	A1085	29000	11154	.3	.65	.49	50	1.4	65	1.3
8	Q235	29000	11154	.3	.65	.49	35	1.5	58	1.2

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	LV	N53A	N36			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
2	M72A	N112A	N114			Standoff Horiz...	Beam	SquareTube	A36 Gr.36	Typical
3	M75	N129	N128			Corner Plate	Beam	BAR	A36 Gr.36	Typical
4	M78	N121	N58A			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
5	M79	N59	N122			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
6	M80	N122	N124A			RIGID	None	None	RIGID	Typical
7	M81	N121	N123			RIGID	None	None	RIGID	Typical
8	M87A	N129	N134			Corner Plate	Beam	BAR	A36 Gr.36	Typical
9	M88	N134	N135			RIGID	None	None	RIGID	Typical
10	M92	N128	N138			Corner Plate	Beam	BAR	A36 Gr.36	Typical
11	M93A	N138	N139			RIGID	None	None	RIGID	Typical
12	M73A	N102A	N110A			RIGID	None	None	RIGID	Typical
13	M74A	N100A	N108A			RIGID	None	None	RIGID	Typical
14	M75A	N98	N106A			RIGID	None	None	RIGID	Typical
15	M76A	N96	N104A			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
16	LM1	N95	N103A			RIGID	None	None	RIGID	Typical
17	LM2	N97	N105A			RIGID	None	None	RIGID	Typical
18	M79A	N99A	N107A			RIGID	None	None	RIGID	Typical
19	M80A	N101A	N109A			RIGID	None	None	RIGID	Typical
20	MP4A	N114A	N118			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
21	MP3A	N113B	N117A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
22	MP2A	N112B	N116B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
23	MP1A	N111A	N115A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
24	M37	N58	N191			Support Rail	Beam	SquareTube	A53 Gr.B	Typical
25	M37A	N62	N64			Platform Cross...	Beam	SquareTube	A36 Gr.36	Typical
26	M38	N63	N57A			Platform Cross...	Beam	SquareTube	A36 Gr.36	Typical
27	M39	N59	N61			RIGID	None	None	RIGID	Typical
28	M40	N58A	N60			RIGID	None	None	RIGID	Typical
29	M41	N63	N56			RIGID	None	None	RIGID	Typical
30	M42	N56	N64			RIGID	None	None	RIGID	Typical
31	M43	N57A	N65			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
32	M44	N65	N67			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
33	M45	N67	N68			RIGID	None	None	RIGID	Typical
34	M46	N62	N66			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
35	M47	N66	N69			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
36	M48	N69	N70			RIGID	None	None	RIGID	Typical
37	M37B	N58B	N57B			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
38	M38A	N59A	N60A			Standoff Horiz...	Beam	SquareTube	A36 Gr.36	Typical
39	M39A	N66A	N65A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
40	M40A	N61A	N99			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
41	M41A	N100	N62A			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
42	M42A	N62A	N64A			RIGID	None	None	RIGID	Typical
43	M43A	N61A	N63A			RIGID	None	None	RIGID	Typical
44	M44A	N66A	N67A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
45	M45A	N67A	N68A			RIGID	None	None	RIGID	Typical
46	M46A	N65A	N69A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
47	M47A	N69A	N70A			RIGID	None	None	RIGID	Typical
48	M48A	N78	N86			RIGID	None	None	RIGID	Typical
49	M49	N76	N84			RIGID	None	None	RIGID	Typical
50	M50	N74	N82			RIGID	None	None	RIGID	Typical
51	M51	N72	N80			RIGID	None	None	RIGID	Typical
52	M52	N71	N79			RIGID	None	None	RIGID	Typical
53	M53	N73	N81			RIGID	None	None	RIGID	Typical
54	M54	N75	N83			RIGID	None	None	RIGID	Typical
55	M55	N77	N85			RIGID	None	None	RIGID	Typical
56	MP4C	N90	N94			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
57	MP3C	N89	N93			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
58	MP2C	N88	N92			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
59	MP1C	N87	N91			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
60	M60	N96A	N192			Support Rail	Beam	SquareTube	A53 Gr.B	Typical
61	M61	N103	N105			Platform Cross...	Beam	SquareTube	A36 Gr.36	Typical
62	M62	N104	N98A			Platform Cross...	Beam	SquareTube	A36 Gr.36	Typical
63	M63	N100	N102			RIGID	None	None	RIGID	Typical
64	M64	N99	N101			RIGID	None	None	RIGID	Typical
65	M65	N104	N97A			RIGID	None	None	RIGID	Typical
66	M66	N97A	N105			RIGID	None	None	RIGID	Typical
67	M67	N98A	N106			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
68	M68	N106	N108			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
69	M69	N108	N109			RIGID	None	None	RIGID	Typical
70	M70	N103	N107			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
71	M71	N107	N110			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
72	M72	N110	N111			RIGID	None	None	RIGID	Typical
73	M73	N114B	N113			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
74	M74	N115	N116			Standoff Horiz...	Beam	SquareTube	A36 Gr.36	Typical
75	M75B	N122A	N121A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
76	M76	N117	N155			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
77	M77	N156	N118A			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
78	M78B	N118A	N120			RIGID	None	None	RIGID	Typical
79	M79B	N117	N119			RIGID	None	None	RIGID	Typical
80	M80B	N122A	N123A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
81	M81A	N123A	N124			RIGID	None	None	RIGID	Typical
82	M82	N121A	N125			Corner Plate	Beam	BAR	A36 Gr.36	Typical
83	M83	N125	N126			RIGID	None	None	RIGID	Typical
84	M84	N134A	N142			RIGID	None	None	RIGID	Typical
85	M85	N132	N140			RIGID	None	None	RIGID	Typical
86	M86	N130	N138A			RIGID	None	None	RIGID	Typical
87	M87	N128A	N136			RIGID	None	None	RIGID	Typical
88	M88A	N127	N135A			RIGID	None	None	RIGID	Typical
89	M89	N129A	N137			RIGID	None	None	RIGID	Typical
90	M90	N131	N139A			RIGID	None	None	RIGID	Typical
91	M91	N133	N141			RIGID	None	None	RIGID	Typical
92	MP4B	N146	N150			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
93	MP3B	N145	N149			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
94	MP2B	N144	N148			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
95	MP1B	N143	N147			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
96	M96	N152	N193			Support Rail	Beam	SquareTube	A53 Gr.B	Typical
97	M97	N159	N161			Platform Cross...	Beam	SquareTube	A36 Gr.36	Typical
98	M98	N160	N154			Platform Cross...	Beam	SquareTube	A36 Gr.36	Typical
99	M99	N156	N158			RIGID	None	None	RIGID	Typical
100	M100	N155	N157			RIGID	None	None	RIGID	Typical
101	M101	N160	N153			RIGID	None	None	RIGID	Typical
102	M102	N153	N161			RIGID	None	None	RIGID	Typical
103	M103	N154	N162			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
104	M104	N162	N164			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
105	M105	N164	N165			RIGID	None	None	RIGID	Typical
106	M106	N159	N163			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
107	M107	N163	N166			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
108	M108	N166	N167			RIGID	None	None	RIGID	Typical
109	OVP1	N175	N174			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
110	M112	N172	N173			RIGID	None	None	RIGID	Typical
111	OVP2	N180	N179			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
112	M114	N177	N178			RIGID	None	None	RIGID	Typical
113	M113	N175A	N177A			RIGID	None	None	RIGID	Typical
114	M114A	N176	N178A			RIGID	None	None	RIGID	Typical
115	M115	N180A	N182			RIGID	None	None	RIGID	Typical
116	M116	N181	N183			RIGID	None	None	RIGID	Typical
117	M117	N185	N187			RIGID	None	None	RIGID	Typical
118	M118	N186	N188			RIGID	None	None	RIGID	Typical
119	M119	N188	N177A		90	Support Rail A...	Column	Single Angle	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
120	M120	N178A	N182		90	Support Rail A...	Column	Single Angle	A36 Gr.36	Typical
121	M121	N187	N183		180	Support Rail A...	Column	Single Angle	A36 Gr.36	Typical
122	M122	N191	N57			Support Rail	Beam	SquareTube	A53 Gr.B	Typical
123	M123	N192	N95A			Support Rail	Beam	SquareTube	A53 Gr.B	Typical
124	M124	N193	N151			Support Rail	Beam	SquareTube	A53 Gr.B	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	LV						Yes				None
2	M72A						Yes	Default			None
3	M75						Yes				None
4	M78	OOOOOX	OOOOOX				Yes				None
5	M79	OOOOOX	OOOOOX				Yes				None
6	M80						Yes	** NA **			None
7	M81						Yes	** NA **			None
8	M87A						Yes				None
9	M88		BenPIN				Yes	** NA **			None
10	M92						Yes				None
11	M93A		BenPIN				Yes	** NA **			None
12	M73A						Yes	** NA **			None
13	M74A						Yes	** NA **			None
14	M75A						Yes	** NA **			None
15	M76A						Yes	** NA **			None
16	LM1						Yes	** NA **			None
17	LM2						Yes	** NA **			None
18	M79A						Yes	** NA **			None
19	M80A						Yes	** NA **			None
20	MP4A						Yes	** NA **			None
21	MP3A						Yes	** NA **			None
22	MP2A						Yes	** NA **			None
23	MP1A						Yes	** NA **			None
24	M37						Yes				None
25	M37A						Yes				None
26	M38						Yes				None
27	M39						Yes	** NA **			None
28	M40						Yes	** NA **			None
29	M41						Yes	** NA **			None
30	M42						Yes	** NA **			None
31	M43						Yes	** NA **			None
32	M44						Yes	** NA **			None
33	M45		BenPIN				Yes	** NA **			None
34	M46						Yes	** NA **			None
35	M47						Yes	** NA **			None
36	M48		BenPIN				Yes	** NA **			None
37	M37B						Yes				None
38	M38A						Yes	Default			None
39	M39A						Yes				None
40	M40A	OOOOOX	OOOOOX				Yes				None
41	M41A	OOOOOX	OOOOOX				Yes				None
42	M42A						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
43	M43A						Yes	** NA **			None
44	M44A						Yes				None
45	M45A		BenPIN				Yes	** NA **			None
46	M46A						Yes				None
47	M47A		BenPIN				Yes	** NA **			None
48	M48A						Yes	** NA **			None
49	M49						Yes	** NA **			None
50	M50						Yes	** NA **			None
51	M51						Yes	** NA **			None
52	M52						Yes	** NA **			None
53	M53						Yes	** NA **			None
54	M54						Yes	** NA **			None
55	M55						Yes	** NA **			None
56	MP4C						Yes	** NA **			None
57	MP3C						Yes	** NA **			None
58	MP2C						Yes	** NA **			None
59	MP1C						Yes	** NA **			None
60	M60						Yes				None
61	M61						Yes				None
62	M62						Yes				None
63	M63						Yes	** NA **			None
64	M64						Yes	** NA **			None
65	M65						Yes	** NA **			None
66	M66						Yes	** NA **			None
67	M67						Yes	** NA **			None
68	M68						Yes	** NA **			None
69	M69		BenPIN				Yes	** NA **			None
70	M70						Yes	** NA **			None
71	M71						Yes	** NA **			None
72	M72		BenPIN				Yes	** NA **			None
73	M73						Yes				None
74	M74						Yes	Default			None
75	M75B						Yes				None
76	M76	OOOOOX	OOOOOX				Yes				None
77	M77	OOOOOX	OOOOOX				Yes				None
78	M78B						Yes	** NA **			None
79	M79B						Yes	** NA **			None
80	M80B						Yes				None
81	M81A		BenPIN				Yes	** NA **			None
82	M82						Yes				None
83	M83		BenPIN				Yes	** NA **			None
84	M84						Yes	** NA **			None
85	M85						Yes	** NA **			None
86	M86						Yes	** NA **			None
87	M87						Yes	** NA **			None
88	M88A						Yes	** NA **			None
89	M89						Yes	** NA **			None
90	M90						Yes	** NA **			None
91	M91						Yes	** NA **			None
92	MP4B						Yes	** NA **			None
93	MP3B						Yes	** NA **			None
94	MP2B						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
95	MP1B						Yes	** NA **			None
96	M96						Yes				None
97	M97						Yes				None
98	M98						Yes				None
99	M99						Yes	** NA **			None
100	M100						Yes	** NA **			None
101	M101						Yes	** NA **			None
102	M102						Yes	** NA **			None
103	M103						Yes	** NA **			None
104	M104						Yes	** NA **			None
105	M105		BenPIN				Yes	** NA **			None
106	M106						Yes	** NA **			None
107	M107						Yes	** NA **			None
108	M108		BenPIN				Yes	** NA **			None
109	OVP1						Yes	** NA **			None
110	M112						Yes	** NA **			None
111	OVP2						Yes	** NA **			None
112	M114						Yes	** NA **			None
113	M113	OOOOOX					Yes	** NA **			None
114	M114A	OOOOOX					Yes	** NA **			None
115	M115	OOOOOX					Yes	** NA **			None
116	M116	OOOOOX					Yes	** NA **			None
117	M117	OOOOOX					Yes	** NA **			None
118	M118	OOOOOX					Yes	** NA **			None
119	M119						Yes	** NA **			None
120	M120						Yes	** NA **			None
121	M121						Yes	** NA **			None
122	M122						Yes				None
123	M123						Yes				None
124	M124						Yes				None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-43.55	.5
2	MP2A	My	-.019	.5
3	MP2A	Mz	.011	.5
4	MP2A	Y	-43.55	2.5
5	MP2A	My	-.019	2.5
6	MP2A	Mz	.011	2.5
7	MP2B	Y	-43.55	.5
8	MP2B	My	0	.5
9	MP2B	Mz	-.022	.5
10	MP2B	Y	-43.55	2.5
11	MP2B	My	0	2.5
12	MP2B	Mz	-.022	2.5
13	MP2C	Y	-43.55	.5
14	MP2C	My	.017	.5
15	MP2C	Mz	.014	.5
16	MP2C	Y	-43.55	2.5
17	MP2C	My	.017	2.5

Member Point Loads (BLC 1 : Antenna D) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2C	Mz	.014	2.5
19	MP4A	Y	-9	.5
20	MP4A	My	-.004	.5
21	MP4A	Mz	.002	.5
22	MP4A	Y	-9	4.5
23	MP4A	My	-.004	4.5
24	MP4A	Mz	.002	4.5
25	MP4B	Y	-9	.5
26	MP4B	My	0	.5
27	MP4B	Mz	-.004	.5
28	MP4B	Y	-9	4.5
29	MP4B	My	0	4.5
30	MP4B	Mz	-.004	4.5
31	MP4C	Y	-9	.5
32	MP4C	My	.004	.5
33	MP4C	Mz	.002	.5
34	MP4C	Y	-9	4.5
35	MP4C	My	.004	4.5
36	MP4C	Mz	.002	4.5
37	MP1A	Y	-20	.5
38	MP1A	My	-.002	.5
39	MP1A	Mz	.017	.5
40	MP1A	Y	-20	4.5
41	MP1A	My	-.002	4.5
42	MP1A	Mz	.017	4.5
43	MP1B	Y	-20	.5
44	MP1B	My	-.013	.5
45	MP1B	Mz	-.01	.5
46	MP1B	Y	-20	4.5
47	MP1B	My	-.013	4.5
48	MP1B	Mz	-.01	4.5
49	MP1C	Y	-20	.5
50	MP1C	My	.016	.5
51	MP1C	Mz	-.004	.5
52	MP1C	Y	-20	4.5
53	MP1C	My	.016	4.5
54	MP1C	Mz	-.004	4.5
55	MP1A	Y	-20	.5
56	MP1A	My	-.015	.5
57	MP1A	Mz	-.007	.5
58	MP1A	Y	-20	4.5
59	MP1A	My	-.015	4.5
60	MP1A	Mz	-.007	4.5
61	MP1B	Y	-20	.5
62	MP1B	My	.013	.5
63	MP1B	Mz	-.01	.5
64	MP1B	Y	-20	4.5
65	MP1B	My	.013	4.5
66	MP1B	Mz	-.01	4.5
67	MP1C	Y	-20	.5
68	MP1C	My	-.00091	.5
69	MP1C	Mz	.017	.5

Member Point Loads (BLC 1 : Antenna D) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP1C	Y	-20	4.5
71	MP1C	My	-.00091	4.5
72	MP1C	Mz	.017	4.5
73	MP2A	Y	-4.4	5
74	MP2A	My	-.002	5
75	MP2A	Mz	.001	5
76	MP2B	Y	-4.4	5
77	MP2B	My	0	5
78	MP2B	Mz	-.002	5
79	MP2C	Y	-4.4	5
80	MP2C	My	.002	5
81	MP2C	Mz	.001	5
82	MP1A	Y	-84.4	3.3
83	MP1A	My	-.042	3.3
84	MP1A	Mz	0	3.3
85	MP1B	Y	-84.4	3.3
86	MP1B	My	.021	3.3
87	MP1B	Mz	-.037	3.3
88	MP1C	Y	-84.4	3.3
89	MP1C	My	.021	3.3
90	MP1C	Mz	.037	3.3
91	MP2A	Y	-70.3	3.3
92	MP2A	My	-.035	3.3
93	MP2A	Mz	0	3.3
94	MP2B	Y	-70.3	3.3
95	MP2B	My	.018	3.3
96	MP2B	Mz	-.03	3.3
97	MP2C	Y	-70.3	3.3
98	MP2C	My	.018	3.3
99	MP2C	Mz	.03	3.3
100	OVP1	Y	-32	1
101	OVP1	My	0	1
102	OVP1	Mz	0	1
103	OVP2	Y	-32	1
104	OVP2	My	0	1
105	OVP2	Mz	0	1

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-56.512	.5
2	MP2A	My	-.024	.5
3	MP2A	Mz	.014	.5
4	MP2A	Y	-56.512	2.5
5	MP2A	My	-.024	2.5
6	MP2A	Mz	.014	2.5
7	MP2B	Y	-56.512	.5
8	MP2B	My	0	.5
9	MP2B	Mz	-.028	.5
10	MP2B	Y	-56.512	2.5
11	MP2B	My	0	2.5
12	MP2B	Mz	-.028	2.5

Member Point Loads (BLC 2 : Antenna Di) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP2C	Y	-56.512	.5
14	MP2C	My	.022	.5
15	MP2C	Mz	.018	.5
16	MP2C	Y	-56.512	2.5
17	MP2C	My	.022	2.5
18	MP2C	Mz	.018	2.5
19	MP4A	Y	-71.329	.5
20	MP4A	My	-.031	.5
21	MP4A	Mz	.018	.5
22	MP4A	Y	-71.329	4.5
23	MP4A	My	-.031	4.5
24	MP4A	Mz	.018	4.5
25	MP4B	Y	-71.329	.5
26	MP4B	My	0	.5
27	MP4B	Mz	-.036	.5
28	MP4B	Y	-71.329	4.5
29	MP4B	My	0	4.5
30	MP4B	Mz	-.036	4.5
31	MP4C	Y	-71.329	.5
32	MP4C	My	.031	.5
33	MP4C	Mz	.018	.5
34	MP4C	Y	-71.329	4.5
35	MP4C	My	.031	4.5
36	MP4C	Mz	.018	4.5
37	MP1A	Y	-96.467	.5
38	MP1A	My	-.01	.5
39	MP1A	Mz	.08	.5
40	MP1A	Y	-96.467	4.5
41	MP1A	My	-.01	4.5
42	MP1A	Mz	.08	4.5
43	MP1B	Y	-96.467	.5
44	MP1B	My	-.064	.5
45	MP1B	Mz	-.048	.5
46	MP1B	Y	-96.467	4.5
47	MP1B	My	-.064	4.5
48	MP1B	Mz	-.048	4.5
49	MP1C	Y	-96.467	.5
50	MP1C	My	.078	.5
51	MP1C	Mz	-.018	.5
52	MP1C	Y	-96.467	4.5
53	MP1C	My	.078	4.5
54	MP1C	Mz	-.018	4.5
55	MP1A	Y	-96.467	.5
56	MP1A	My	-.074	.5
57	MP1A	Mz	-.032	.5
58	MP1A	Y	-96.467	4.5
59	MP1A	My	-.074	4.5
60	MP1A	Mz	-.032	4.5
61	MP1B	Y	-96.467	.5
62	MP1B	My	.064	.5
63	MP1B	Mz	-.048	.5
64	MP1B	Y	-96.467	4.5

Member Point Loads (BLC 2 : Antenna Di) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP1B	My	.064	4.5
66	MP1B	Mz	-.048	4.5
67	MP1C	Y	-96.467	.5
68	MP1C	My	-.004	.5
69	MP1C	Mz	.08	.5
70	MP1C	Y	-96.467	4.5
71	MP1C	My	-.004	4.5
72	MP1C	Mz	.08	4.5
73	MP2A	Y	-22.848	5
74	MP2A	My	-.01	5
75	MP2A	Mz	.006	5
76	MP2B	Y	-22.848	5
77	MP2B	My	0	5
78	MP2B	Mz	-.011	5
79	MP2C	Y	-22.848	5
80	MP2C	My	.009	5
81	MP2C	Mz	.007	5
82	MP1A	Y	-71.826	3.3
83	MP1A	My	-.036	3.3
84	MP1A	Mz	0	3.3
85	MP1B	Y	-71.826	3.3
86	MP1B	My	.018	3.3
87	MP1B	Mz	-.031	3.3
88	MP1C	Y	-71.826	3.3
89	MP1C	My	.018	3.3
90	MP1C	Mz	.031	3.3
91	MP2A	Y	-64.85	3.3
92	MP2A	My	-.032	3.3
93	MP2A	Mz	0	3.3
94	MP2B	Y	-64.85	3.3
95	MP2B	My	.016	3.3
96	MP2B	Mz	-.028	3.3
97	MP2C	Y	-64.85	3.3
98	MP2C	My	.016	3.3
99	MP2C	Mz	.028	3.3
100	OVP1	Y	-138.251	1
101	OVP1	My	0	1
102	OVP1	Mz	0	1
103	OVP2	Y	-138.251	1
104	OVP2	My	0	1
105	OVP2	Mz	0	1

Member Point Loads (BLC 3 : Antenna Wo (0 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	-63.018	.5
3	MP2A	Mx	-.016	.5
4	MP2A	X	0	2.5
5	MP2A	Z	-63.018	2.5
6	MP2A	Mx	-.016	2.5
7	MP2B	X	0	.5

Member Point Loads (BLC 3 : Antenna Wo (0 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP2B	Z	-29.098	.5
9	MP2B	Mx	.015	.5
10	MP2B	X	0	2.5
11	MP2B	Z	-29.098	2.5
12	MP2B	Mx	.015	2.5
13	MP2C	X	0	.5
14	MP2C	Z	-55.638	.5
15	MP2C	Mx	-.018	.5
16	MP2C	X	0	2.5
17	MP2C	Z	-55.638	2.5
18	MP2C	Mx	-.018	2.5
19	MP4A	X	0	.5
20	MP4A	Z	-86.346	.5
21	MP4A	Mx	-.022	.5
22	MP4A	X	0	4.5
23	MP4A	Z	-86.346	4.5
24	MP4A	Mx	-.022	4.5
25	MP4B	X	0	.5
26	MP4B	Z	-72.122	.5
27	MP4B	Mx	.036	.5
28	MP4B	X	0	4.5
29	MP4B	Z	-72.122	4.5
30	MP4B	Mx	.036	4.5
31	MP4C	X	0	.5
32	MP4C	Z	-86.346	.5
33	MP4C	Mx	-.022	.5
34	MP4C	X	0	4.5
35	MP4C	Z	-86.346	4.5
36	MP4C	Mx	-.022	4.5
37	MP1A	X	0	.5
38	MP1A	Z	-118.113	.5
39	MP1A	Mx	-.098	.5
40	MP1A	X	0	4.5
41	MP1A	Z	-118.113	4.5
42	MP1A	Mx	-.098	4.5
43	MP1B	X	0	.5
44	MP1B	Z	-85.335	.5
45	MP1B	Mx	.043	.5
46	MP1B	X	0	4.5
47	MP1B	Z	-85.335	4.5
48	MP1B	Mx	.043	4.5
49	MP1C	X	0	.5
50	MP1C	Z	-110.982	.5
51	MP1C	Mx	.021	.5
52	MP1C	X	0	4.5
53	MP1C	Z	-110.982	4.5
54	MP1C	Mx	.021	4.5
55	MP1A	X	0	.5
56	MP1A	Z	-118.113	.5
57	MP1A	Mx	.039	.5
58	MP1A	X	0	4.5
59	MP1A	Z	-118.113	4.5

Member Point Loads (BLC 3 : Antenna Wo (0 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1A	Mx	.039	4.5
61	MP1B	X	0	.5
62	MP1B	Z	-85.335	.5
63	MP1B	Mx	.043	.5
64	MP1B	X	0	4.5
65	MP1B	Z	-85.335	4.5
66	MP1B	Mx	.043	4.5
67	MP1C	X	0	.5
68	MP1C	Z	-110.982	.5
69	MP1C	Mx	-.092	.5
70	MP1C	X	0	4.5
71	MP1C	Z	-110.982	4.5
72	MP1C	Mx	-.092	4.5
73	MP2A	X	0	5
74	MP2A	Z	-22.491	5
75	MP2A	Mx	-.006	5
76	MP2B	X	0	5
77	MP2B	Z	-5.52	5
78	MP2B	Mx	.003	5
79	MP2C	X	0	5
80	MP2C	Z	-18.799	5
81	MP2C	Mx	-.006	5
82	MP1A	X	0	3.3
83	MP1A	Z	-59.143	3.3
84	MP1A	Mx	0	3.3
85	MP1B	X	0	3.3
86	MP1B	Z	-44.436	3.3
87	MP1B	Mx	.019	3.3
88	MP1C	X	0	3.3
89	MP1C	Z	-44.436	3.3
90	MP1C	Mx	-.019	3.3
91	MP2A	X	0	3.3
92	MP2A	Z	-59.143	3.3
93	MP2A	Mx	0	3.3
94	MP2B	X	0	3.3
95	MP2B	Z	-38.803	3.3
96	MP2B	Mx	.017	3.3
97	MP2C	X	0	3.3
98	MP2C	Z	-38.803	3.3
99	MP2C	Mx	-.017	3.3
100	OVP1	X	0	1
101	OVP1	Z	-105.576	1
102	OVP1	Mx	0	1
103	OVP2	X	0	1
104	OVP2	Z	-105.576	1
105	OVP2	Mx	0	1

Member Point Loads (BLC 4 : Antenna Wo (30 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	20.202	.5
2	MP2A	Z	-34.991	.5

Member Point Loads (BLC 4 : Antenna Wo (30 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP2A	Mx	-.017	.5
4	MP2A	X	20.202	2.5
5	MP2A	Z	-34.991	2.5
6	MP2A	Mx	-.017	2.5
7	MP2B	X	20.202	.5
8	MP2B	Z	-34.991	.5
9	MP2B	Mx	.017	.5
10	MP2B	X	20.202	2.5
11	MP2B	Z	-34.991	2.5
12	MP2B	Mx	.017	2.5
13	MP2C	X	36.48	.5
14	MP2C	Z	-63.186	.5
15	MP2C	Mx	-.006	.5
16	MP2C	X	36.48	2.5
17	MP2C	Z	-63.186	2.5
18	MP2C	Mx	-.006	2.5
19	MP4A	X	38.432	.5
20	MP4A	Z	-66.566	.5
21	MP4A	Mx	-.033	.5
22	MP4A	X	38.432	4.5
23	MP4A	Z	-66.566	4.5
24	MP4A	Mx	-.033	4.5
25	MP4B	X	38.432	.5
26	MP4B	Z	-66.566	.5
27	MP4B	Mx	.033	.5
28	MP4B	X	38.432	4.5
29	MP4B	Z	-66.566	4.5
30	MP4B	Mx	.033	4.5
31	MP4C	X	45.543	.5
32	MP4C	Z	-78.884	.5
33	MP4C	Mx	0	.5
34	MP4C	X	45.543	4.5
35	MP4C	Z	-78.884	4.5
36	MP4C	Mx	0	4.5
37	MP1A	X	48.131	.5
38	MP1A	Z	-83.365	.5
39	MP1A	Mx	-.074	.5
40	MP1A	X	48.131	4.5
41	MP1A	Z	-83.365	4.5
42	MP1A	Mx	-.074	4.5
43	MP1B	X	48.131	.5
44	MP1B	Z	-83.365	.5
45	MP1B	Mx	.01	.5
46	MP1B	X	48.131	4.5
47	MP1B	Z	-83.365	4.5
48	MP1B	Mx	.01	4.5
49	MP1C	X	63.861	.5
50	MP1C	Z	-110.61	.5
51	MP1C	Mx	.073	.5
52	MP1C	X	63.861	4.5
53	MP1C	Z	-110.61	4.5
54	MP1C	Mx	.073	4.5

Member Point Loads (BLC 4 : Antenna Wo (30 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
55	MP1A	X	48.131	.5
56	MP1A	Z	-83.365	.5
57	MP1A	Mx	-.01	.5
58	MP1A	X	48.131	4.5
59	MP1A	Z	-83.365	4.5
60	MP1A	Mx	-.01	4.5
61	MP1B	X	48.131	.5
62	MP1B	Z	-83.365	.5
63	MP1B	Mx	.074	.5
64	MP1B	X	48.131	4.5
65	MP1B	Z	-83.365	4.5
66	MP1B	Mx	.074	4.5
67	MP1C	X	63.861	.5
68	MP1C	Z	-110.61	.5
69	MP1C	Mx	-.095	.5
70	MP1C	X	63.861	4.5
71	MP1C	Z	-110.61	4.5
72	MP1C	Mx	-.095	4.5
73	MP2A	X	5.589	5
74	MP2A	Z	-9.68	5
75	MP2A	Mx	-.005	5
76	MP2B	X	5.589	5
77	MP2B	Z	-9.68	5
78	MP2B	Mx	.005	5
79	MP2C	X	13.733	5
80	MP2C	Z	-23.786	5
81	MP2C	Mx	-.002	5
82	MP1A	X	27.12	3.3
83	MP1A	Z	-46.974	3.3
84	MP1A	Mx	-.014	3.3
85	MP1B	X	19.767	3.3
86	MP1B	Z	-34.238	3.3
87	MP1B	Mx	.02	3.3
88	MP1C	X	27.12	3.3
89	MP1C	Z	-46.974	3.3
90	MP1C	Mx	-.014	3.3
91	MP2A	X	26.182	3.3
92	MP2A	Z	-45.348	3.3
93	MP2A	Mx	-.013	3.3
94	MP2B	X	16.011	3.3
95	MP2B	Z	-27.732	3.3
96	MP2B	Mx	.016	3.3
97	MP2C	X	26.182	3.3
98	MP2C	Z	-45.348	3.3
99	MP2C	Mx	-.013	3.3
100	OVP1	X	48.983	1
101	OVP1	Z	-84.841	1
102	OVP1	Mx	0	1
103	OVP2	X	48.983	1
104	OVP2	Z	-84.841	1
105	OVP2	Mx	0	1

Member Point Loads (BLC 5 : Antenna Wo (60 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	25.199	.5
2	MP2A	Z	-14.549	.5
3	MP2A	Mx	-.015	.5
4	MP2A	X	25.199	2.5
5	MP2A	Z	-14.549	2.5
6	MP2A	Mx	-.015	2.5
7	MP2B	X	54.575	.5
8	MP2B	Z	-31.509	.5
9	MP2B	Mx	.016	.5
10	MP2B	X	54.575	2.5
11	MP2B	Z	-31.509	2.5
12	MP2B	Mx	.016	2.5
13	MP2C	X	59.785	.5
14	MP2C	Z	-34.517	.5
15	MP2C	Mx	.012	.5
16	MP2C	X	59.785	2.5
17	MP2C	Z	-34.517	2.5
18	MP2C	Mx	.012	2.5
19	MP4A	X	62.46	.5
20	MP4A	Z	-36.061	.5
21	MP4A	Mx	-.036	.5
22	MP4A	X	62.46	4.5
23	MP4A	Z	-36.061	4.5
24	MP4A	Mx	-.036	4.5
25	MP4B	X	74.778	.5
26	MP4B	Z	-43.173	.5
27	MP4B	Mx	.022	.5
28	MP4B	X	74.778	4.5
29	MP4B	Z	-43.173	4.5
30	MP4B	Mx	.022	4.5
31	MP4C	X	74.778	.5
32	MP4C	Z	-43.173	.5
33	MP4C	Mx	.022	.5
34	MP4C	X	74.778	4.5
35	MP4C	Z	-43.173	4.5
36	MP4C	Mx	.022	4.5
37	MP1A	X	73.902	.5
38	MP1A	Z	-42.667	.5
39	MP1A	Mx	-.043	.5
40	MP1A	X	73.902	4.5
41	MP1A	Z	-42.667	4.5
42	MP1A	Mx	-.043	4.5
43	MP1B	X	102.289	.5
44	MP1B	Z	-59.057	.5
45	MP1B	Mx	-.039	.5
46	MP1B	X	102.289	4.5
47	MP1B	Z	-59.057	4.5
48	MP1B	Mx	-.039	4.5
49	MP1C	X	107.324	.5
50	MP1C	Z	-61.964	.5
51	MP1C	Mx	.099	.5
52	MP1C	X	107.324	4.5

Member Point Loads (BLC 5 : Antenna Wo (60 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP1C	Z	-61.964	4.5
54	MP1C	Mx	.099	4.5
55	MP1A	X	73.902	.5
56	MP1A	Z	-42.667	.5
57	MP1A	Mx	-.043	.5
58	MP1A	X	73.902	4.5
59	MP1A	Z	-42.667	4.5
60	MP1A	Mx	-.043	4.5
61	MP1B	X	102.289	.5
62	MP1B	Z	-59.057	.5
63	MP1B	Mx	.098	.5
64	MP1B	X	102.289	4.5
65	MP1B	Z	-59.057	4.5
66	MP1B	Mx	.098	4.5
67	MP1C	X	107.324	.5
68	MP1C	Z	-61.964	.5
69	MP1C	Mx	-.056	.5
70	MP1C	X	107.324	4.5
71	MP1C	Z	-61.964	4.5
72	MP1C	Mx	-.056	4.5
73	MP2A	X	4.781	5
74	MP2A	Z	-2.76	5
75	MP2A	Mx	-.003	5
76	MP2B	X	19.478	5
77	MP2B	Z	-11.246	5
78	MP2B	Mx	.006	5
79	MP2C	X	22.085	5
80	MP2C	Z	-12.751	5
81	MP2C	Mx	.004	5
82	MP1A	X	38.483	3.3
83	MP1A	Z	-22.218	3.3
84	MP1A	Mx	-.019	3.3
85	MP1B	X	38.483	3.3
86	MP1B	Z	-22.218	3.3
87	MP1B	Mx	.019	3.3
88	MP1C	X	51.22	3.3
89	MP1C	Z	-29.572	3.3
90	MP1C	Mx	0	3.3
91	MP2A	X	33.604	3.3
92	MP2A	Z	-19.401	3.3
93	MP2A	Mx	-.017	3.3
94	MP2B	X	33.604	3.3
95	MP2B	Z	-19.401	3.3
96	MP2B	Mx	.017	3.3
97	MP2C	X	51.22	3.3
98	MP2C	Z	-29.572	3.3
99	MP2C	Mx	0	3.3
100	OVP1	X	91.432	1
101	OVP1	Z	-52.788	1
102	OVP1	Mx	0	1
103	OVP2	X	91.432	1
104	OVP2	Z	-52.788	1

Member Point Loads (BLC 5 : Antenna Wo (60 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	OVP2	Mx	0	1

Member Point Loads (BLC 6 : Antenna Wo (90 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	40.404	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	-.017	.5
4	MP2A	X	40.404	2.5
5	MP2A	Z	0	2.5
6	MP2A	Mx	-.017	2.5
7	MP2B	X	74.324	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	0	.5
10	MP2B	X	74.324	2.5
11	MP2B	Z	0	2.5
12	MP2B	Mx	0	2.5
13	MP2C	X	47.784	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	.018	.5
16	MP2C	X	47.784	2.5
17	MP2C	Z	0	2.5
18	MP2C	Mx	.018	2.5
19	MP4A	X	76.864	.5
20	MP4A	Z	0	.5
21	MP4A	Mx	-.033	.5
22	MP4A	X	76.864	4.5
23	MP4A	Z	0	4.5
24	MP4A	Mx	-.033	4.5
25	MP4B	X	91.087	.5
26	MP4B	Z	0	.5
27	MP4B	Mx	0	.5
28	MP4B	X	91.087	4.5
29	MP4B	Z	0	4.5
30	MP4B	Mx	0	4.5
31	MP4C	X	76.864	.5
32	MP4C	Z	0	.5
33	MP4C	Mx	.033	.5
34	MP4C	X	76.864	4.5
35	MP4C	Z	0	4.5
36	MP4C	Mx	.033	4.5
37	MP1A	X	96.261	.5
38	MP1A	Z	0	.5
39	MP1A	Mx	-.01	.5
40	MP1A	X	96.261	4.5
41	MP1A	Z	0	4.5
42	MP1A	Mx	-.01	4.5
43	MP1B	X	129.04	.5
44	MP1B	Z	0	.5
45	MP1B	Mx	-.086	.5
46	MP1B	X	129.04	4.5
47	MP1B	Z	0	4.5

Member Point Loads (BLC 6 : Antenna Wo (90 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP1B	Mx	-.086	4.5
49	MP1C	X	103.393	.5
50	MP1C	Z	0	.5
51	MP1C	Mx	.084	.5
52	MP1C	X	103.393	4.5
53	MP1C	Z	0	4.5
54	MP1C	Mx	.084	4.5
55	MP1A	X	96.261	.5
56	MP1A	Z	0	.5
57	MP1A	Mx	-.074	.5
58	MP1A	X	96.261	4.5
59	MP1A	Z	0	4.5
60	MP1A	Mx	-.074	4.5
61	MP1B	X	129.04	.5
62	MP1B	Z	0	.5
63	MP1B	Mx	.086	.5
64	MP1B	X	129.04	4.5
65	MP1B	Z	0	4.5
66	MP1B	Mx	.086	4.5
67	MP1C	X	103.393	.5
68	MP1C	Z	0	.5
69	MP1C	Mx	-.005	.5
70	MP1C	X	103.393	4.5
71	MP1C	Z	0	4.5
72	MP1C	Mx	-.005	4.5
73	MP2A	X	11.177	5
74	MP2A	Z	0	5
75	MP2A	Mx	-.005	5
76	MP2B	X	28.148	5
77	MP2B	Z	0	5
78	MP2B	Mx	0	5
79	MP2C	X	14.87	5
80	MP2C	Z	0	5
81	MP2C	Mx	.006	5
82	MP1A	X	39.534	3.3
83	MP1A	Z	0	3.3
84	MP1A	Mx	-.02	3.3
85	MP1B	X	54.241	3.3
86	MP1B	Z	0	3.3
87	MP1B	Mx	.014	3.3
88	MP1C	X	54.241	3.3
89	MP1C	Z	0	3.3
90	MP1C	Mx	.014	3.3
91	MP2A	X	32.023	3.3
92	MP2A	Z	0	3.3
93	MP2A	Mx	-.016	3.3
94	MP2B	X	52.363	3.3
95	MP2B	Z	0	3.3
96	MP2B	Mx	.013	3.3
97	MP2C	X	52.363	3.3
98	MP2C	Z	0	3.3
99	MP2C	Mx	.013	3.3

Member Point Loads (BLC 6 : Antenna Wo (90 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
100	OVP1	X	120.797	1
101	OVP1	Z	0	1
102	OVP1	Mx	0	1
103	OVP2	X	120.797	1
104	OVP2	Z	0	1
105	OVP2	Mx	0	1

Member Point Loads (BLC 7 : Antenna Wo (120 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	54.575	.5
2	MP2A	Z	31.509	.5
3	MP2A	Mx	-.016	.5
4	MP2A	X	54.575	2.5
5	MP2A	Z	31.509	2.5
6	MP2A	Mx	-.016	2.5
7	MP2B	X	54.575	.5
8	MP2B	Z	31.509	.5
9	MP2B	Mx	-.016	.5
10	MP2B	X	54.575	2.5
11	MP2B	Z	31.509	2.5
12	MP2B	Mx	-.016	2.5
13	MP2C	X	26.381	.5
14	MP2C	Z	15.231	.5
15	MP2C	Mx	.015	.5
16	MP2C	X	26.381	2.5
17	MP2C	Z	15.231	2.5
18	MP2C	Mx	.015	2.5
19	MP4A	X	74.778	.5
20	MP4A	Z	43.173	.5
21	MP4A	Mx	-.022	.5
22	MP4A	X	74.778	4.5
23	MP4A	Z	43.173	4.5
24	MP4A	Mx	-.022	4.5
25	MP4B	X	74.778	.5
26	MP4B	Z	43.173	.5
27	MP4B	Mx	-.022	.5
28	MP4B	X	74.778	4.5
29	MP4B	Z	43.173	4.5
30	MP4B	Mx	-.022	4.5
31	MP4C	X	62.46	.5
32	MP4C	Z	36.061	.5
33	MP4C	Mx	.036	.5
34	MP4C	X	62.46	4.5
35	MP4C	Z	36.061	4.5
36	MP4C	Mx	.036	4.5
37	MP1A	X	102.289	.5
38	MP1A	Z	59.057	.5
39	MP1A	Mx	.039	.5
40	MP1A	X	102.289	4.5
41	MP1A	Z	59.057	4.5
42	MP1A	Mx	.039	4.5

Member Point Loads (BLC 7 : Antenna Wo (120 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP1B	X	102.289	.5
44	MP1B	Z	59.057	.5
45	MP1B	Mx	-.098	.5
46	MP1B	X	102.289	4.5
47	MP1B	Z	59.057	4.5
48	MP1B	Mx	-.098	4.5
49	MP1C	X	75.043	.5
50	MP1C	Z	43.326	.5
51	MP1C	Mx	.053	.5
52	MP1C	X	75.043	4.5
53	MP1C	Z	43.326	4.5
54	MP1C	Mx	.053	4.5
55	MP1A	X	102.289	.5
56	MP1A	Z	59.057	.5
57	MP1A	Mx	-.098	.5
58	MP1A	X	102.289	4.5
59	MP1A	Z	59.057	4.5
60	MP1A	Mx	-.098	4.5
61	MP1B	X	102.289	.5
62	MP1B	Z	59.057	.5
63	MP1B	Mx	.039	.5
64	MP1B	X	102.289	4.5
65	MP1B	Z	59.057	4.5
66	MP1B	Mx	.039	4.5
67	MP1C	X	75.043	.5
68	MP1C	Z	43.326	.5
69	MP1C	Mx	.033	.5
70	MP1C	X	75.043	4.5
71	MP1C	Z	43.326	4.5
72	MP1C	Mx	.033	4.5
73	MP2A	X	19.478	5
74	MP2A	Z	11.246	5
75	MP2A	Mx	-.006	5
76	MP2B	X	19.478	5
77	MP2B	Z	11.246	5
78	MP2B	Mx	-.006	5
79	MP2C	X	5.371	5
80	MP2C	Z	3.101	5
81	MP2C	Mx	.003	5
82	MP1A	X	38.483	3.3
83	MP1A	Z	22.218	3.3
84	MP1A	Mx	-.019	3.3
85	MP1B	X	51.22	3.3
86	MP1B	Z	29.572	3.3
87	MP1B	Mx	0	3.3
88	MP1C	X	38.483	3.3
89	MP1C	Z	22.218	3.3
90	MP1C	Mx	.019	3.3
91	MP2A	X	33.604	3.3
92	MP2A	Z	19.401	3.3
93	MP2A	Mx	-.017	3.3
94	MP2B	X	51.22	3.3

Member Point Loads (BLC 7 : Antenna Wo (120 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP2B	Z	29.572	3.3
96	MP2B	Mx	0	3.3
97	MP2C	X	33.604	3.3
98	MP2C	Z	19.401	3.3
99	MP2C	Mx	.017	3.3
100	OVP1	X	111.204	1
101	OVP1	Z	64.204	1
102	OVP1	Mx	0	1
103	OVP2	X	111.204	1
104	OVP2	Z	64.204	1
105	OVP2	Mx	0	1

Member Point Loads (BLC 8 : Antenna Wo (150 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	37.162	.5
2	MP2A	Z	64.367	.5
3	MP2A	Mx	0	.5
4	MP2A	X	37.162	2.5
5	MP2A	Z	64.367	2.5
6	MP2A	Mx	0	2.5
7	MP2B	X	20.202	.5
8	MP2B	Z	34.991	.5
9	MP2B	Mx	-.017	.5
10	MP2B	X	20.202	2.5
11	MP2B	Z	34.991	2.5
12	MP2B	Mx	-.017	2.5
13	MP2C	X	17.194	.5
14	MP2C	Z	29.781	.5
15	MP2C	Mx	.016	.5
16	MP2C	X	17.194	2.5
17	MP2C	Z	29.781	2.5
18	MP2C	Mx	.016	2.5
19	MP4A	X	45.543	.5
20	MP4A	Z	78.884	.5
21	MP4A	Mx	0	.5
22	MP4A	X	45.543	4.5
23	MP4A	Z	78.884	4.5
24	MP4A	Mx	0	4.5
25	MP4B	X	38.432	.5
26	MP4B	Z	66.566	.5
27	MP4B	Mx	-.033	.5
28	MP4B	X	38.432	4.5
29	MP4B	Z	66.566	4.5
30	MP4B	Mx	-.033	4.5
31	MP4C	X	38.432	.5
32	MP4C	Z	66.566	.5
33	MP4C	Mx	.033	.5
34	MP4C	X	38.432	4.5
35	MP4C	Z	66.566	4.5
36	MP4C	Mx	.033	4.5
37	MP1A	X	64.52	.5

Member Point Loads (BLC 8 : Antenna Wo (150 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP1A	Z	111.752	.5
39	MP1A	Mx	.086	.5
40	MP1A	X	64.52	4.5
41	MP1A	Z	111.752	4.5
42	MP1A	Mx	.086	4.5
43	MP1B	X	48.131	.5
44	MP1B	Z	83.365	.5
45	MP1B	Mx	-.074	.5
46	MP1B	X	48.131	4.5
47	MP1B	Z	83.365	4.5
48	MP1B	Mx	-.074	4.5
49	MP1C	X	45.224	.5
50	MP1C	Z	78.33	.5
51	MP1C	Mx	.022	.5
52	MP1C	X	45.224	4.5
53	MP1C	Z	78.33	4.5
54	MP1C	Mx	.022	4.5
55	MP1A	X	64.52	.5
56	MP1A	Z	111.752	.5
57	MP1A	Mx	-.086	.5
58	MP1A	X	64.52	4.5
59	MP1A	Z	111.752	4.5
60	MP1A	Mx	-.086	4.5
61	MP1B	X	48.131	.5
62	MP1B	Z	83.365	.5
63	MP1B	Mx	-.01	.5
64	MP1B	X	48.131	4.5
65	MP1B	Z	83.365	4.5
66	MP1B	Mx	-.01	4.5
67	MP1C	X	45.224	.5
68	MP1C	Z	78.33	.5
69	MP1C	Mx	.063	.5
70	MP1C	X	45.224	4.5
71	MP1C	Z	78.33	4.5
72	MP1C	Mx	.063	4.5
73	MP2A	X	14.074	5
74	MP2A	Z	24.377	5
75	MP2A	Mx	0	5
76	MP2B	X	5.589	5
77	MP2B	Z	9.68	5
78	MP2B	Mx	-.005	5
79	MP2C	X	4.084	5
80	MP2C	Z	7.073	5
81	MP2C	Mx	.004	5
82	MP1A	X	27.12	3.3
83	MP1A	Z	46.974	3.3
84	MP1A	Mx	-.014	3.3
85	MP1B	X	27.12	3.3
86	MP1B	Z	46.974	3.3
87	MP1B	Mx	-.014	3.3
88	MP1C	X	19.767	3.3
89	MP1C	Z	34.238	3.3

Member Point Loads (BLC 8 : Antenna Wo (150 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP1C	Mx	.02	3.3
91	MP2A	X	26.182	3.3
92	MP2A	Z	45.348	3.3
93	MP2A	Mx	-.013	3.3
94	MP2B	X	26.182	3.3
95	MP2B	Z	45.348	3.3
96	MP2B	Mx	-.013	3.3
97	MP2C	X	16.011	3.3
98	MP2C	Z	27.732	3.3
99	MP2C	Mx	.016	3.3
100	OVP1	X	60.398	1
101	OVP1	Z	104.613	1
102	OVP1	Mx	0	1
103	OVP2	X	60.398	1
104	OVP2	Z	104.613	1
105	OVP2	Mx	0	1

Member Point Loads (BLC 9 : Antenna Wo (180 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	63.018	.5
3	MP2A	Mx	.016	.5
4	MP2A	X	0	2.5
5	MP2A	Z	63.018	2.5
6	MP2A	Mx	.016	2.5
7	MP2B	X	0	.5
8	MP2B	Z	29.098	.5
9	MP2B	Mx	-.015	.5
10	MP2B	X	0	2.5
11	MP2B	Z	29.098	2.5
12	MP2B	Mx	-.015	2.5
13	MP2C	X	0	.5
14	MP2C	Z	55.638	.5
15	MP2C	Mx	.018	.5
16	MP2C	X	0	2.5
17	MP2C	Z	55.638	2.5
18	MP2C	Mx	.018	2.5
19	MP4A	X	0	.5
20	MP4A	Z	86.346	.5
21	MP4A	Mx	.022	.5
22	MP4A	X	0	4.5
23	MP4A	Z	86.346	4.5
24	MP4A	Mx	.022	4.5
25	MP4B	X	0	.5
26	MP4B	Z	72.122	.5
27	MP4B	Mx	-.036	.5
28	MP4B	X	0	4.5
29	MP4B	Z	72.122	4.5
30	MP4B	Mx	-.036	4.5
31	MP4C	X	0	.5
32	MP4C	Z	86.346	.5

Member Point Loads (BLC 9 : Antenna Wo (180 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP4C	Mx	.022	.5
34	MP4C	X	0	4.5
35	MP4C	Z	86.346	4.5
36	MP4C	Mx	.022	4.5
37	MP1A	X	0	.5
38	MP1A	Z	118.113	.5
39	MP1A	Mx	.098	.5
40	MP1A	X	0	4.5
41	MP1A	Z	118.113	4.5
42	MP1A	Mx	.098	4.5
43	MP1B	X	0	.5
44	MP1B	Z	85.335	.5
45	MP1B	Mx	-.043	.5
46	MP1B	X	0	4.5
47	MP1B	Z	85.335	4.5
48	MP1B	Mx	-.043	4.5
49	MP1C	X	0	.5
50	MP1C	Z	110.982	.5
51	MP1C	Mx	-.021	.5
52	MP1C	X	0	4.5
53	MP1C	Z	110.982	4.5
54	MP1C	Mx	-.021	4.5
55	MP1A	X	0	.5
56	MP1A	Z	118.113	.5
57	MP1A	Mx	-.039	.5
58	MP1A	X	0	4.5
59	MP1A	Z	118.113	4.5
60	MP1A	Mx	-.039	4.5
61	MP1B	X	0	.5
62	MP1B	Z	85.335	.5
63	MP1B	Mx	-.043	.5
64	MP1B	X	0	4.5
65	MP1B	Z	85.335	4.5
66	MP1B	Mx	-.043	4.5
67	MP1C	X	0	.5
68	MP1C	Z	110.982	.5
69	MP1C	Mx	.092	.5
70	MP1C	X	0	4.5
71	MP1C	Z	110.982	4.5
72	MP1C	Mx	.092	4.5
73	MP2A	X	0	5
74	MP2A	Z	22.491	5
75	MP2A	Mx	.006	5
76	MP2B	X	0	5
77	MP2B	Z	5.52	5
78	MP2B	Mx	-.003	5
79	MP2C	X	0	5
80	MP2C	Z	18.799	5
81	MP2C	Mx	.006	5
82	MP1A	X	0	3.3
83	MP1A	Z	59.143	3.3
84	MP1A	Mx	0	3.3

Member Point Loads (BLC 9 : Antenna Wo (180 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP1B	X	0	3.3
86	MP1B	Z	44.436	3.3
87	MP1B	Mx	-.019	3.3
88	MP1C	X	0	3.3
89	MP1C	Z	44.436	3.3
90	MP1C	Mx	.019	3.3
91	MP2A	X	0	3.3
92	MP2A	Z	59.143	3.3
93	MP2A	Mx	0	3.3
94	MP2B	X	0	3.3
95	MP2B	Z	38.803	3.3
96	MP2B	Mx	-.017	3.3
97	MP2C	X	0	3.3
98	MP2C	Z	38.803	3.3
99	MP2C	Mx	.017	3.3
100	OVP1	X	0	1
101	OVP1	Z	105.576	1
102	OVP1	Mx	0	1
103	OVP2	X	0	1
104	OVP2	Z	105.576	1
105	OVP2	Mx	0	1

Member Point Loads (BLC 10 : Antenna Wo (210 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-20.202	.5
2	MP2A	Z	34.991	.5
3	MP2A	Mx	.017	.5
4	MP2A	X	-20.202	2.5
5	MP2A	Z	34.991	2.5
6	MP2A	Mx	.017	2.5
7	MP2B	X	-20.202	.5
8	MP2B	Z	34.991	.5
9	MP2B	Mx	-.017	.5
10	MP2B	X	-20.202	2.5
11	MP2B	Z	34.991	2.5
12	MP2B	Mx	-.017	2.5
13	MP2C	X	-36.48	.5
14	MP2C	Z	63.186	.5
15	MP2C	Mx	.006	.5
16	MP2C	X	-36.48	2.5
17	MP2C	Z	63.186	2.5
18	MP2C	Mx	.006	2.5
19	MP4A	X	-38.432	.5
20	MP4A	Z	66.566	.5
21	MP4A	Mx	.033	.5
22	MP4A	X	-38.432	4.5
23	MP4A	Z	66.566	4.5
24	MP4A	Mx	.033	4.5
25	MP4B	X	-38.432	.5
26	MP4B	Z	66.566	.5
27	MP4B	Mx	-.033	.5

Member Point Loads (BLC 10 : Antenna Wo (210 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP4B	X	-38.432	4.5
29	MP4B	Z	66.566	4.5
30	MP4B	Mx	-.033	4.5
31	MP4C	X	-45.543	.5
32	MP4C	Z	78.884	.5
33	MP4C	Mx	0	.5
34	MP4C	X	-45.543	4.5
35	MP4C	Z	78.884	4.5
36	MP4C	Mx	0	4.5
37	MP1A	X	-48.131	.5
38	MP1A	Z	83.365	.5
39	MP1A	Mx	.074	.5
40	MP1A	X	-48.131	4.5
41	MP1A	Z	83.365	4.5
42	MP1A	Mx	.074	4.5
43	MP1B	X	-48.131	.5
44	MP1B	Z	83.365	.5
45	MP1B	Mx	-.01	.5
46	MP1B	X	-48.131	4.5
47	MP1B	Z	83.365	4.5
48	MP1B	Mx	-.01	4.5
49	MP1C	X	-63.861	.5
50	MP1C	Z	110.61	.5
51	MP1C	Mx	-.073	.5
52	MP1C	X	-63.861	4.5
53	MP1C	Z	110.61	4.5
54	MP1C	Mx	-.073	4.5
55	MP1A	X	-48.131	.5
56	MP1A	Z	83.365	.5
57	MP1A	Mx	.01	.5
58	MP1A	X	-48.131	4.5
59	MP1A	Z	83.365	4.5
60	MP1A	Mx	.01	4.5
61	MP1B	X	-48.131	.5
62	MP1B	Z	83.365	.5
63	MP1B	Mx	-.074	.5
64	MP1B	X	-48.131	4.5
65	MP1B	Z	83.365	4.5
66	MP1B	Mx	-.074	4.5
67	MP1C	X	-63.861	.5
68	MP1C	Z	110.61	.5
69	MP1C	Mx	.095	.5
70	MP1C	X	-63.861	4.5
71	MP1C	Z	110.61	4.5
72	MP1C	Mx	.095	4.5
73	MP2A	X	-5.589	5
74	MP2A	Z	9.68	5
75	MP2A	Mx	.005	5
76	MP2B	X	-5.589	5
77	MP2B	Z	9.68	5
78	MP2B	Mx	-.005	5
79	MP2C	X	-13.733	5

Member Point Loads (BLC 10 : Antenna Wo (210 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP2C	Z	23.786	5
81	MP2C	Mx	.002	5
82	MP1A	X	-27.12	3.3
83	MP1A	Z	46.974	3.3
84	MP1A	Mx	.014	3.3
85	MP1B	X	-19.767	3.3
86	MP1B	Z	34.238	3.3
87	MP1B	Mx	-.02	3.3
88	MP1C	X	-27.12	3.3
89	MP1C	Z	46.974	3.3
90	MP1C	Mx	.014	3.3
91	MP2A	X	-26.182	3.3
92	MP2A	Z	45.348	3.3
93	MP2A	Mx	.013	3.3
94	MP2B	X	-16.011	3.3
95	MP2B	Z	27.732	3.3
96	MP2B	Mx	-.016	3.3
97	MP2C	X	-26.182	3.3
98	MP2C	Z	45.348	3.3
99	MP2C	Mx	.013	3.3
100	OVP1	X	-48.983	1
101	OVP1	Z	84.841	1
102	OVP1	Mx	0	1
103	OVP2	X	-48.983	1
104	OVP2	Z	84.841	1
105	OVP2	Mx	0	1

Member Point Loads (BLC 11 : Antenna Wo (240 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-25.199	.5
2	MP2A	Z	14.549	.5
3	MP2A	Mx	.015	.5
4	MP2A	X	-25.199	2.5
5	MP2A	Z	14.549	2.5
6	MP2A	Mx	.015	2.5
7	MP2B	X	-54.575	.5
8	MP2B	Z	31.509	.5
9	MP2B	Mx	-.016	.5
10	MP2B	X	-54.575	2.5
11	MP2B	Z	31.509	2.5
12	MP2B	Mx	-.016	2.5
13	MP2C	X	-59.785	.5
14	MP2C	Z	34.517	.5
15	MP2C	Mx	-.012	.5
16	MP2C	X	-59.785	2.5
17	MP2C	Z	34.517	2.5
18	MP2C	Mx	-.012	2.5
19	MP4A	X	-62.46	.5
20	MP4A	Z	36.061	.5
21	MP4A	Mx	.036	.5
22	MP4A	X	-62.46	4.5

Member Point Loads (BLC 11 : Antenna Wo (240 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP4A	Z	36.061	4.5
24	MP4A	Mx	.036	4.5
25	MP4B	X	-74.778	.5
26	MP4B	Z	43.173	.5
27	MP4B	Mx	-.022	.5
28	MP4B	X	-74.778	4.5
29	MP4B	Z	43.173	4.5
30	MP4B	Mx	-.022	4.5
31	MP4C	X	-74.778	.5
32	MP4C	Z	43.173	.5
33	MP4C	Mx	-.022	.5
34	MP4C	X	-74.778	4.5
35	MP4C	Z	43.173	4.5
36	MP4C	Mx	-.022	4.5
37	MP1A	X	-73.902	.5
38	MP1A	Z	42.667	.5
39	MP1A	Mx	.043	.5
40	MP1A	X	-73.902	4.5
41	MP1A	Z	42.667	4.5
42	MP1A	Mx	.043	4.5
43	MP1B	X	-102.289	.5
44	MP1B	Z	59.057	.5
45	MP1B	Mx	.039	.5
46	MP1B	X	-102.289	4.5
47	MP1B	Z	59.057	4.5
48	MP1B	Mx	.039	4.5
49	MP1C	X	-107.324	.5
50	MP1C	Z	61.964	.5
51	MP1C	Mx	-.099	.5
52	MP1C	X	-107.324	4.5
53	MP1C	Z	61.964	4.5
54	MP1C	Mx	-.099	4.5
55	MP1A	X	-73.902	.5
56	MP1A	Z	42.667	.5
57	MP1A	Mx	.043	.5
58	MP1A	X	-73.902	4.5
59	MP1A	Z	42.667	4.5
60	MP1A	Mx	.043	4.5
61	MP1B	X	-102.289	.5
62	MP1B	Z	59.057	.5
63	MP1B	Mx	-.098	.5
64	MP1B	X	-102.289	4.5
65	MP1B	Z	59.057	4.5
66	MP1B	Mx	-.098	4.5
67	MP1C	X	-107.324	.5
68	MP1C	Z	61.964	.5
69	MP1C	Mx	.056	.5
70	MP1C	X	-107.324	4.5
71	MP1C	Z	61.964	4.5
72	MP1C	Mx	.056	4.5
73	MP2A	X	-4.781	5
74	MP2A	Z	2.76	5

Member Point Loads (BLC 11 : Antenna Wo (240 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP2A	Mx	.003	5
76	MP2B	X	-19.478	5
77	MP2B	Z	11.246	5
78	MP2B	Mx	-.006	5
79	MP2C	X	-22.085	5
80	MP2C	Z	12.751	5
81	MP2C	Mx	-.004	5
82	MP1A	X	-38.483	3.3
83	MP1A	Z	22.218	3.3
84	MP1A	Mx	.019	3.3
85	MP1B	X	-38.483	3.3
86	MP1B	Z	22.218	3.3
87	MP1B	Mx	-.019	3.3
88	MP1C	X	-51.22	3.3
89	MP1C	Z	29.572	3.3
90	MP1C	Mx	0	3.3
91	MP2A	X	-33.604	3.3
92	MP2A	Z	19.401	3.3
93	MP2A	Mx	.017	3.3
94	MP2B	X	-33.604	3.3
95	MP2B	Z	19.401	3.3
96	MP2B	Mx	-.017	3.3
97	MP2C	X	-51.22	3.3
98	MP2C	Z	29.572	3.3
99	MP2C	Mx	0	3.3
100	OVP1	X	-91.432	1
101	OVP1	Z	52.788	1
102	OVP1	Mx	0	1
103	OVP2	X	-91.432	1
104	OVP2	Z	52.788	1
105	OVP2	Mx	0	1

Member Point Loads (BLC 12 : Antenna Wo (270 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-40.404	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	.017	.5
4	MP2A	X	-40.404	2.5
5	MP2A	Z	0	2.5
6	MP2A	Mx	.017	2.5
7	MP2B	X	-74.324	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	0	.5
10	MP2B	X	-74.324	2.5
11	MP2B	Z	0	2.5
12	MP2B	Mx	0	2.5
13	MP2C	X	-47.784	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	-.018	.5
16	MP2C	X	-47.784	2.5
17	MP2C	Z	0	2.5

Member Point Loads (BLC 12 : Antenna Wo (270 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2C	Mx	-.018	2.5
19	MP4A	X	-76.864	.5
20	MP4A	Z	0	.5
21	MP4A	Mx	.033	.5
22	MP4A	X	-76.864	4.5
23	MP4A	Z	0	4.5
24	MP4A	Mx	.033	4.5
25	MP4B	X	-91.087	.5
26	MP4B	Z	0	.5
27	MP4B	Mx	0	.5
28	MP4B	X	-91.087	4.5
29	MP4B	Z	0	4.5
30	MP4B	Mx	0	4.5
31	MP4C	X	-76.864	.5
32	MP4C	Z	0	.5
33	MP4C	Mx	-.033	.5
34	MP4C	X	-76.864	4.5
35	MP4C	Z	0	4.5
36	MP4C	Mx	-.033	4.5
37	MP1A	X	-96.261	.5
38	MP1A	Z	0	.5
39	MP1A	Mx	.01	.5
40	MP1A	X	-96.261	4.5
41	MP1A	Z	0	4.5
42	MP1A	Mx	.01	4.5
43	MP1B	X	-129.04	.5
44	MP1B	Z	0	.5
45	MP1B	Mx	.086	.5
46	MP1B	X	-129.04	4.5
47	MP1B	Z	0	4.5
48	MP1B	Mx	.086	4.5
49	MP1C	X	-103.393	.5
50	MP1C	Z	0	.5
51	MP1C	Mx	-.084	.5
52	MP1C	X	-103.393	4.5
53	MP1C	Z	0	4.5
54	MP1C	Mx	-.084	4.5
55	MP1A	X	-96.261	.5
56	MP1A	Z	0	.5
57	MP1A	Mx	.074	.5
58	MP1A	X	-96.261	4.5
59	MP1A	Z	0	4.5
60	MP1A	Mx	.074	4.5
61	MP1B	X	-129.04	.5
62	MP1B	Z	0	.5
63	MP1B	Mx	-.086	.5
64	MP1B	X	-129.04	4.5
65	MP1B	Z	0	4.5
66	MP1B	Mx	-.086	4.5
67	MP1C	X	-103.393	.5
68	MP1C	Z	0	.5
69	MP1C	Mx	.005	.5

Member Point Loads (BLC 12 : Antenna Wo (270 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP1C	X	-103.393	4.5
71	MP1C	Z	0	4.5
72	MP1C	Mx	.005	4.5
73	MP2A	X	-11.177	5
74	MP2A	Z	0	5
75	MP2A	Mx	.005	5
76	MP2B	X	-28.148	5
77	MP2B	Z	0	5
78	MP2B	Mx	0	5
79	MP2C	X	-14.87	5
80	MP2C	Z	0	5
81	MP2C	Mx	-.006	5
82	MP1A	X	-39.534	3.3
83	MP1A	Z	0	3.3
84	MP1A	Mx	.02	3.3
85	MP1B	X	-54.241	3.3
86	MP1B	Z	0	3.3
87	MP1B	Mx	-.014	3.3
88	MP1C	X	-54.241	3.3
89	MP1C	Z	0	3.3
90	MP1C	Mx	-.014	3.3
91	MP2A	X	-32.023	3.3
92	MP2A	Z	0	3.3
93	MP2A	Mx	.016	3.3
94	MP2B	X	-52.363	3.3
95	MP2B	Z	0	3.3
96	MP2B	Mx	-.013	3.3
97	MP2C	X	-52.363	3.3
98	MP2C	Z	0	3.3
99	MP2C	Mx	-.013	3.3
100	OVP1	X	-120.797	1
101	OVP1	Z	0	1
102	OVP1	Mx	0	1
103	OVP2	X	-120.797	1
104	OVP2	Z	0	1
105	OVP2	Mx	0	1

Member Point Loads (BLC 13 : Antenna Wo (300 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-54.575	.5
2	MP2A	Z	-31.509	.5
3	MP2A	Mx	.016	.5
4	MP2A	X	-54.575	2.5
5	MP2A	Z	-31.509	2.5
6	MP2A	Mx	.016	2.5
7	MP2B	X	-54.575	.5
8	MP2B	Z	-31.509	.5
9	MP2B	Mx	.016	.5
10	MP2B	X	-54.575	2.5
11	MP2B	Z	-31.509	2.5
12	MP2B	Mx	.016	2.5

Member Point Loads (BLC 13 : Antenna Wo (300 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP2C	X	-26.381	.5
14	MP2C	Z	-15.231	.5
15	MP2C	Mx	-.015	.5
16	MP2C	X	-26.381	2.5
17	MP2C	Z	-15.231	2.5
18	MP2C	Mx	-.015	2.5
19	MP4A	X	-74.778	.5
20	MP4A	Z	-43.173	.5
21	MP4A	Mx	.022	.5
22	MP4A	X	-74.778	4.5
23	MP4A	Z	-43.173	4.5
24	MP4A	Mx	.022	4.5
25	MP4B	X	-74.778	.5
26	MP4B	Z	-43.173	.5
27	MP4B	Mx	.022	.5
28	MP4B	X	-74.778	4.5
29	MP4B	Z	-43.173	4.5
30	MP4B	Mx	.022	4.5
31	MP4C	X	-62.46	.5
32	MP4C	Z	-36.061	.5
33	MP4C	Mx	-.036	.5
34	MP4C	X	-62.46	4.5
35	MP4C	Z	-36.061	4.5
36	MP4C	Mx	-.036	4.5
37	MP1A	X	-102.289	.5
38	MP1A	Z	-59.057	.5
39	MP1A	Mx	-.039	.5
40	MP1A	X	-102.289	4.5
41	MP1A	Z	-59.057	4.5
42	MP1A	Mx	-.039	4.5
43	MP1B	X	-102.289	.5
44	MP1B	Z	-59.057	.5
45	MP1B	Mx	.098	.5
46	MP1B	X	-102.289	4.5
47	MP1B	Z	-59.057	4.5
48	MP1B	Mx	.098	4.5
49	MP1C	X	-75.043	.5
50	MP1C	Z	-43.326	.5
51	MP1C	Mx	-.053	.5
52	MP1C	X	-75.043	4.5
53	MP1C	Z	-43.326	4.5
54	MP1C	Mx	-.053	4.5
55	MP1A	X	-102.289	.5
56	MP1A	Z	-59.057	.5
57	MP1A	Mx	.098	.5
58	MP1A	X	-102.289	4.5
59	MP1A	Z	-59.057	4.5
60	MP1A	Mx	.098	4.5
61	MP1B	X	-102.289	.5
62	MP1B	Z	-59.057	.5
63	MP1B	Mx	-.039	.5
64	MP1B	X	-102.289	4.5

Member Point Loads (BLC 13 : Antenna Wo (300 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP1B	Z	-59.057	4.5
66	MP1B	Mx	-.039	4.5
67	MP1C	X	-75.043	.5
68	MP1C	Z	-43.326	.5
69	MP1C	Mx	-.033	.5
70	MP1C	X	-75.043	4.5
71	MP1C	Z	-43.326	4.5
72	MP1C	Mx	-.033	4.5
73	MP2A	X	-19.478	5
74	MP2A	Z	-11.246	5
75	MP2A	Mx	.006	5
76	MP2B	X	-19.478	5
77	MP2B	Z	-11.246	5
78	MP2B	Mx	.006	5
79	MP2C	X	-5.371	5
80	MP2C	Z	-3.101	5
81	MP2C	Mx	-.003	5
82	MP1A	X	-38.483	3.3
83	MP1A	Z	-22.218	3.3
84	MP1A	Mx	.019	3.3
85	MP1B	X	-51.22	3.3
86	MP1B	Z	-29.572	3.3
87	MP1B	Mx	0	3.3
88	MP1C	X	-38.483	3.3
89	MP1C	Z	-22.218	3.3
90	MP1C	Mx	-.019	3.3
91	MP2A	X	-33.604	3.3
92	MP2A	Z	-19.401	3.3
93	MP2A	Mx	.017	3.3
94	MP2B	X	-51.22	3.3
95	MP2B	Z	-29.572	3.3
96	MP2B	Mx	0	3.3
97	MP2C	X	-33.604	3.3
98	MP2C	Z	-19.401	3.3
99	MP2C	Mx	-.017	3.3
100	OVP1	X	-111.204	1
101	OVP1	Z	-64.204	1
102	OVP1	Mx	0	1
103	OVP2	X	-111.204	1
104	OVP2	Z	-64.204	1
105	OVP2	Mx	0	1

Member Point Loads (BLC 14 : Antenna Wo (330 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-37.162	.5
2	MP2A	Z	-64.367	.5
3	MP2A	Mx	0	.5
4	MP2A	X	-37.162	2.5
5	MP2A	Z	-64.367	2.5
6	MP2A	Mx	0	2.5
7	MP2B	X	-20.202	.5

Member Point Loads (BLC 14 : Antenna Wo (330 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP2B	Z	-34.991	.5
9	MP2B	Mx	.017	.5
10	MP2B	X	-20.202	2.5
11	MP2B	Z	-34.991	2.5
12	MP2B	Mx	.017	2.5
13	MP2C	X	-17.194	.5
14	MP2C	Z	-29.781	.5
15	MP2C	Mx	-.016	.5
16	MP2C	X	-17.194	2.5
17	MP2C	Z	-29.781	2.5
18	MP2C	Mx	-.016	2.5
19	MP4A	X	-45.543	.5
20	MP4A	Z	-78.884	.5
21	MP4A	Mx	0	.5
22	MP4A	X	-45.543	4.5
23	MP4A	Z	-78.884	4.5
24	MP4A	Mx	0	4.5
25	MP4B	X	-38.432	.5
26	MP4B	Z	-66.566	.5
27	MP4B	Mx	.033	.5
28	MP4B	X	-38.432	4.5
29	MP4B	Z	-66.566	4.5
30	MP4B	Mx	.033	4.5
31	MP4C	X	-38.432	.5
32	MP4C	Z	-66.566	.5
33	MP4C	Mx	-.033	.5
34	MP4C	X	-38.432	4.5
35	MP4C	Z	-66.566	4.5
36	MP4C	Mx	-.033	4.5
37	MP1A	X	-64.52	.5
38	MP1A	Z	-111.752	.5
39	MP1A	Mx	-.086	.5
40	MP1A	X	-64.52	4.5
41	MP1A	Z	-111.752	4.5
42	MP1A	Mx	-.086	4.5
43	MP1B	X	-48.131	.5
44	MP1B	Z	-83.365	.5
45	MP1B	Mx	.074	.5
46	MP1B	X	-48.131	4.5
47	MP1B	Z	-83.365	4.5
48	MP1B	Mx	.074	4.5
49	MP1C	X	-45.224	.5
50	MP1C	Z	-78.33	.5
51	MP1C	Mx	-.022	.5
52	MP1C	X	-45.224	4.5
53	MP1C	Z	-78.33	4.5
54	MP1C	Mx	-.022	4.5
55	MP1A	X	-64.52	.5
56	MP1A	Z	-111.752	.5
57	MP1A	Mx	.086	.5
58	MP1A	X	-64.52	4.5
59	MP1A	Z	-111.752	4.5

Member Point Loads (BLC 14 : Antenna Wo (330 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1A	Mx	.086	4.5
61	MP1B	X	-48.131	.5
62	MP1B	Z	-83.365	.5
63	MP1B	Mx	.01	.5
64	MP1B	X	-48.131	4.5
65	MP1B	Z	-83.365	4.5
66	MP1B	Mx	.01	4.5
67	MP1C	X	-45.224	.5
68	MP1C	Z	-78.33	.5
69	MP1C	Mx	-.063	.5
70	MP1C	X	-45.224	4.5
71	MP1C	Z	-78.33	4.5
72	MP1C	Mx	-.063	4.5
73	MP2A	X	-14.074	5
74	MP2A	Z	-24.377	5
75	MP2A	Mx	0	5
76	MP2B	X	-5.589	5
77	MP2B	Z	-9.68	5
78	MP2B	Mx	.005	5
79	MP2C	X	-4.084	5
80	MP2C	Z	-7.073	5
81	MP2C	Mx	-.004	5
82	MP1A	X	-27.12	3.3
83	MP1A	Z	-46.974	3.3
84	MP1A	Mx	.014	3.3
85	MP1B	X	-27.12	3.3
86	MP1B	Z	-46.974	3.3
87	MP1B	Mx	.014	3.3
88	MP1C	X	-19.767	3.3
89	MP1C	Z	-34.238	3.3
90	MP1C	Mx	-.02	3.3
91	MP2A	X	-26.182	3.3
92	MP2A	Z	-45.348	3.3
93	MP2A	Mx	.013	3.3
94	MP2B	X	-26.182	3.3
95	MP2B	Z	-45.348	3.3
96	MP2B	Mx	.013	3.3
97	MP2C	X	-16.011	3.3
98	MP2C	Z	-27.732	3.3
99	MP2C	Mx	-.016	3.3
100	OVP1	X	-60.398	1
101	OVP1	Z	-104.613	1
102	OVP1	Mx	0	1
103	OVP2	X	-60.398	1
104	OVP2	Z	-104.613	1
105	OVP2	Mx	0	1

Member Point Loads (BLC 15 : Antenna Wi (0 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	-14.241	.5

Member Point Loads (BLC 15 : Antenna Wi (0 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP2A	Mx	-.004	.5
4	MP2A	X	0	2.5
5	MP2A	Z	-14.241	2.5
6	MP2A	Mx	-.004	2.5
7	MP2B	X	0	.5
8	MP2B	Z	-7.346	.5
9	MP2B	Mx	.004	.5
10	MP2B	X	0	2.5
11	MP2B	Z	-7.346	2.5
12	MP2B	Mx	.004	2.5
13	MP2C	X	0	.5
14	MP2C	Z	-12.741	.5
15	MP2C	Mx	-.004	.5
16	MP2C	X	0	2.5
17	MP2C	Z	-12.741	2.5
18	MP2C	Mx	-.004	2.5
19	MP4A	X	0	.5
20	MP4A	Z	-19.645	.5
21	MP4A	Mx	-.005	.5
22	MP4A	X	0	4.5
23	MP4A	Z	-19.645	4.5
24	MP4A	Mx	-.005	4.5
25	MP4B	X	0	.5
26	MP4B	Z	-16.899	.5
27	MP4B	Mx	.008	.5
28	MP4B	X	0	4.5
29	MP4B	Z	-16.899	4.5
30	MP4B	Mx	.008	4.5
31	MP4C	X	0	.5
32	MP4C	Z	-19.645	.5
33	MP4C	Mx	-.005	.5
34	MP4C	X	0	4.5
35	MP4C	Z	-19.645	4.5
36	MP4C	Mx	-.005	4.5
37	MP1A	X	0	.5
38	MP1A	Z	-25.701	.5
39	MP1A	Mx	-.021	.5
40	MP1A	X	0	4.5
41	MP1A	Z	-25.701	4.5
42	MP1A	Mx	-.021	4.5
43	MP1B	X	0	.5
44	MP1B	Z	-19.521	.5
45	MP1B	Mx	.01	.5
46	MP1B	X	0	4.5
47	MP1B	Z	-19.521	4.5
48	MP1B	Mx	.01	4.5
49	MP1C	X	0	.5
50	MP1C	Z	-24.357	.5
51	MP1C	Mx	.005	.5
52	MP1C	X	0	4.5
53	MP1C	Z	-24.357	4.5
54	MP1C	Mx	.005	4.5

Member Point Loads (BLC 15 : Antenna Wi (0 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
55	MP1A	X	0	.5
56	MP1A	Z	-25.701	.5
57	MP1A	Mx	.008	.5
58	MP1A	X	0	4.5
59	MP1A	Z	-25.701	4.5
60	MP1A	Mx	.008	4.5
61	MP1B	X	0	.5
62	MP1B	Z	-19.521	.5
63	MP1B	Mx	.01	.5
64	MP1B	X	0	4.5
65	MP1B	Z	-19.521	4.5
66	MP1B	Mx	.01	4.5
67	MP1C	X	0	.5
68	MP1C	Z	-24.357	.5
69	MP1C	Mx	-.02	.5
70	MP1C	X	0	4.5
71	MP1C	Z	-24.357	4.5
72	MP1C	Mx	-.02	4.5
73	MP2A	X	0	5
74	MP2A	Z	-6.396	5
75	MP2A	Mx	-.002	5
76	MP2B	X	0	5
77	MP2B	Z	-2.604	5
78	MP2B	Mx	.001	5
79	MP2C	X	0	5
80	MP2C	Z	-5.571	5
81	MP2C	Mx	-.002	5
82	MP1A	X	0	3.3
83	MP1A	Z	-14.327	3.3
84	MP1A	Mx	0	3.3
85	MP1B	X	0	3.3
86	MP1B	Z	-11.202	3.3
87	MP1B	Mx	.005	3.3
88	MP1C	X	0	3.3
89	MP1C	Z	-11.202	3.3
90	MP1C	Mx	-.005	3.3
91	MP2A	X	0	3.3
92	MP2A	Z	-14.327	3.3
93	MP2A	Mx	0	3.3
94	MP2B	X	0	3.3
95	MP2B	Z	-10.014	3.3
96	MP2B	Mx	.004	3.3
97	MP2C	X	0	3.3
98	MP2C	Z	-10.014	3.3
99	MP2C	Mx	-.004	3.3
100	OVP1	X	0	1
101	OVP1	Z	-24.213	1
102	OVP1	Mx	0	1
103	OVP2	X	0	1
104	OVP2	Z	-24.213	1
105	OVP2	Mx	0	1

Member Point Loads (BLC 16 : Antenna Wi (30 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	4.822	.5
2	MP2A	Z	-8.352	.5
3	MP2A	Mx	-.004	.5
4	MP2A	X	4.822	2.5
5	MP2A	Z	-8.352	2.5
6	MP2A	Mx	-.004	2.5
7	MP2B	X	4.822	.5
8	MP2B	Z	-8.352	.5
9	MP2B	Mx	.004	.5
10	MP2B	X	4.822	2.5
11	MP2B	Z	-8.352	2.5
12	MP2B	Mx	.004	2.5
13	MP2C	X	8.131	.5
14	MP2C	Z	-14.083	.5
15	MP2C	Mx	-.001	.5
16	MP2C	X	8.131	2.5
17	MP2C	Z	-14.083	2.5
18	MP2C	Mx	-.001	2.5
19	MP4A	X	8.907	.5
20	MP4A	Z	-15.428	.5
21	MP4A	Mx	-.008	.5
22	MP4A	X	8.907	4.5
23	MP4A	Z	-15.428	4.5
24	MP4A	Mx	-.008	4.5
25	MP4B	X	8.907	.5
26	MP4B	Z	-15.428	.5
27	MP4B	Mx	.008	.5
28	MP4B	X	8.907	4.5
29	MP4B	Z	-15.428	4.5
30	MP4B	Mx	.008	4.5
31	MP4C	X	10.28	.5
32	MP4C	Z	-17.806	.5
33	MP4C	Mx	0	.5
34	MP4C	X	10.28	4.5
35	MP4C	Z	-17.806	4.5
36	MP4C	Mx	0	4.5
37	MP1A	X	10.79	.5
38	MP1A	Z	-18.69	.5
39	MP1A	Mx	-.017	.5
40	MP1A	X	10.79	4.5
41	MP1A	Z	-18.69	4.5
42	MP1A	Mx	-.017	4.5
43	MP1B	X	10.79	.5
44	MP1B	Z	-18.69	.5
45	MP1B	Mx	.002	.5
46	MP1B	X	10.79	4.5
47	MP1B	Z	-18.69	4.5
48	MP1B	Mx	.002	4.5
49	MP1C	X	13.756	.5
50	MP1C	Z	-23.827	.5
51	MP1C	Mx	.016	.5
52	MP1C	X	13.756	4.5

Member Point Loads (BLC 16 : Antenna Wi (30 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP1C	Z	-23.827	4.5
54	MP1C	Mx	.016	4.5
55	MP1A	X	10.79	.5
56	MP1A	Z	-18.69	.5
57	MP1A	Mx	-.002	.5
58	MP1A	X	10.79	4.5
59	MP1A	Z	-18.69	4.5
60	MP1A	Mx	-.002	4.5
61	MP1B	X	10.79	.5
62	MP1B	Z	-18.69	.5
63	MP1B	Mx	.017	.5
64	MP1B	X	10.79	4.5
65	MP1B	Z	-18.69	4.5
66	MP1B	Mx	.017	4.5
67	MP1C	X	13.756	.5
68	MP1C	Z	-23.827	.5
69	MP1C	Mx	-.02	.5
70	MP1C	X	13.756	4.5
71	MP1C	Z	-23.827	4.5
72	MP1C	Mx	-.02	4.5
73	MP2A	X	1.934	5
74	MP2A	Z	-3.35	5
75	MP2A	Mx	-.002	5
76	MP2B	X	1.934	5
77	MP2B	Z	-3.35	5
78	MP2B	Mx	.002	5
79	MP2C	X	3.754	5
80	MP2C	Z	-6.501	5
81	MP2C	Mx	-.000652	5
82	MP1A	X	6.643	3.3
83	MP1A	Z	-11.506	3.3
84	MP1A	Mx	-.003	3.3
85	MP1B	X	5.08	3.3
86	MP1B	Z	-8.799	3.3
87	MP1B	Mx	.005	3.3
88	MP1C	X	6.643	3.3
89	MP1C	Z	-11.506	3.3
90	MP1C	Mx	-.003	3.3
91	MP2A	X	6.445	3.3
92	MP2A	Z	-11.163	3.3
93	MP2A	Mx	-.003	3.3
94	MP2B	X	4.288	3.3
95	MP2B	Z	-7.428	3.3
96	MP2B	Mx	.004	3.3
97	MP2C	X	6.445	3.3
98	MP2C	Z	-11.163	3.3
99	MP2C	Mx	-.003	3.3
100	OVP1	X	11.354	1
101	OVP1	Z	-19.665	1
102	OVP1	Mx	0	1
103	OVP2	X	11.354	1
104	OVP2	Z	-19.665	1

Member Point Loads (BLC 16 : Antenna Wi (30 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	OVP2	Mx	0	1

Member Point Loads (BLC 17 : Antenna Wi (60 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	6.362	.5
2	MP2A	Z	-3.673	.5
3	MP2A	Mx	-.004	.5
4	MP2A	X	6.362	2.5
5	MP2A	Z	-3.673	2.5
6	MP2A	Mx	-.004	2.5
7	MP2B	X	12.333	.5
8	MP2B	Z	-7.12	.5
9	MP2B	Mx	.004	.5
10	MP2B	X	12.333	2.5
11	MP2B	Z	-7.12	2.5
12	MP2B	Mx	.004	2.5
13	MP2C	X	13.392	.5
14	MP2C	Z	-7.732	.5
15	MP2C	Mx	.003	.5
16	MP2C	X	13.392	2.5
17	MP2C	Z	-7.732	2.5
18	MP2C	Mx	.003	2.5
19	MP4A	X	14.635	.5
20	MP4A	Z	-8.45	.5
21	MP4A	Mx	-.008	.5
22	MP4A	X	14.635	4.5
23	MP4A	Z	-8.45	4.5
24	MP4A	Mx	-.008	4.5
25	MP4B	X	17.013	.5
26	MP4B	Z	-9.823	.5
27	MP4B	Mx	.005	.5
28	MP4B	X	17.013	4.5
29	MP4B	Z	-9.823	4.5
30	MP4B	Mx	.005	4.5
31	MP4C	X	17.013	.5
32	MP4C	Z	-9.823	.5
33	MP4C	Mx	.005	.5
34	MP4C	X	17.013	4.5
35	MP4C	Z	-9.823	4.5
36	MP4C	Mx	.005	4.5
37	MP1A	X	16.905	.5
38	MP1A	Z	-9.76	.5
39	MP1A	Mx	-.01	.5
40	MP1A	X	16.905	4.5
41	MP1A	Z	-9.76	4.5
42	MP1A	Mx	-.01	4.5
43	MP1B	X	22.258	.5
44	MP1B	Z	-12.851	.5
45	MP1B	Mx	-.008	.5
46	MP1B	X	22.258	4.5
47	MP1B	Z	-12.851	4.5

Member Point Loads (BLC 17 : Antenna Wi (60 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP1B	Mx	-.008	4.5
49	MP1C	X	23.207	.5
50	MP1C	Z	-13.399	.5
51	MP1C	Mx	.021	.5
52	MP1C	X	23.207	4.5
53	MP1C	Z	-13.399	4.5
54	MP1C	Mx	.021	4.5
55	MP1A	X	16.905	.5
56	MP1A	Z	-9.76	.5
57	MP1A	Mx	-.01	.5
58	MP1A	X	16.905	4.5
59	MP1A	Z	-9.76	4.5
60	MP1A	Mx	-.01	4.5
61	MP1B	X	22.258	.5
62	MP1B	Z	-12.851	.5
63	MP1B	Mx	.021	.5
64	MP1B	X	22.258	4.5
65	MP1B	Z	-12.851	4.5
66	MP1B	Mx	.021	4.5
67	MP1C	X	23.207	.5
68	MP1C	Z	-13.399	.5
69	MP1C	Mx	-.012	.5
70	MP1C	X	23.207	4.5
71	MP1C	Z	-13.399	4.5
72	MP1C	Mx	-.012	4.5
73	MP2A	X	2.255	5
74	MP2A	Z	-1.302	5
75	MP2A	Mx	-.001	5
76	MP2B	X	5.539	5
77	MP2B	Z	-3.198	5
78	MP2B	Mx	.002	5
79	MP2C	X	6.121	5
80	MP2C	Z	-3.534	5
81	MP2C	Mx	.001	5
82	MP1A	X	9.701	3.3
83	MP1A	Z	-5.601	3.3
84	MP1A	Mx	-.005	3.3
85	MP1B	X	9.701	3.3
86	MP1B	Z	-5.601	3.3
87	MP1B	Mx	.005	3.3
88	MP1C	X	12.408	3.3
89	MP1C	Z	-7.164	3.3
90	MP1C	Mx	0	3.3
91	MP2A	X	8.673	3.3
92	MP2A	Z	-5.007	3.3
93	MP2A	Mx	-.004	3.3
94	MP2B	X	8.673	3.3
95	MP2B	Z	-5.007	3.3
96	MP2B	Mx	.004	3.3
97	MP2C	X	12.408	3.3
98	MP2C	Z	-7.164	3.3
99	MP2C	Mx	0	3.3

Member Point Loads (BLC 17 : Antenna Wi (60 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
100	OVP1	X	20.969	1
101	OVP1	Z	-12.106	1
102	OVP1	Mx	0	1
103	OVP2	X	20.969	1
104	OVP2	Z	-12.106	1
105	OVP2	Mx	0	1

Member Point Loads (BLC 18 : Antenna Wi (90 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	9.644	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	-.004	.5
4	MP2A	X	9.644	2.5
5	MP2A	Z	0	2.5
6	MP2A	Mx	-.004	2.5
7	MP2B	X	16.539	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	0	.5
10	MP2B	X	16.539	2.5
11	MP2B	Z	0	2.5
12	MP2B	Mx	0	2.5
13	MP2C	X	11.144	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	.004	.5
16	MP2C	X	11.144	2.5
17	MP2C	Z	0	2.5
18	MP2C	Mx	.004	2.5
19	MP4A	X	17.815	.5
20	MP4A	Z	0	.5
21	MP4A	Mx	-.008	.5
22	MP4A	X	17.815	4.5
23	MP4A	Z	0	4.5
24	MP4A	Mx	-.008	4.5
25	MP4B	X	20.56	.5
26	MP4B	Z	0	.5
27	MP4B	Mx	0	.5
28	MP4B	X	20.56	4.5
29	MP4B	Z	0	4.5
30	MP4B	Mx	0	4.5
31	MP4C	X	17.815	.5
32	MP4C	Z	0	.5
33	MP4C	Mx	.008	.5
34	MP4C	X	17.815	4.5
35	MP4C	Z	0	4.5
36	MP4C	Mx	.008	4.5
37	MP1A	X	21.581	.5
38	MP1A	Z	0	.5
39	MP1A	Mx	-.002	.5
40	MP1A	X	21.581	4.5
41	MP1A	Z	0	4.5
42	MP1A	Mx	-.002	4.5

Member Point Loads (BLC 18 : Antenna Wi (90 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP1B	X	27.761	.5
44	MP1B	Z	0	.5
45	MP1B	Mx	-.019	.5
46	MP1B	X	27.761	4.5
47	MP1B	Z	0	4.5
48	MP1B	Mx	-.019	4.5
49	MP1C	X	22.926	.5
50	MP1C	Z	0	.5
51	MP1C	Mx	.019	.5
52	MP1C	X	22.926	4.5
53	MP1C	Z	0	4.5
54	MP1C	Mx	.019	4.5
55	MP1A	X	21.581	.5
56	MP1A	Z	0	.5
57	MP1A	Mx	-.017	.5
58	MP1A	X	21.581	4.5
59	MP1A	Z	0	4.5
60	MP1A	Mx	-.017	4.5
61	MP1B	X	27.761	.5
62	MP1B	Z	0	.5
63	MP1B	Mx	.019	.5
64	MP1B	X	27.761	4.5
65	MP1B	Z	0	4.5
66	MP1B	Mx	.019	4.5
67	MP1C	X	22.926	.5
68	MP1C	Z	0	.5
69	MP1C	Mx	-.001	.5
70	MP1C	X	22.926	4.5
71	MP1C	Z	0	4.5
72	MP1C	Mx	-.001	4.5
73	MP2A	X	3.868	5
74	MP2A	Z	0	5
75	MP2A	Mx	-.002	5
76	MP2B	X	7.66	5
77	MP2B	Z	0	5
78	MP2B	Mx	0	5
79	MP2C	X	4.693	5
80	MP2C	Z	0	5
81	MP2C	Mx	.002	5
82	MP1A	X	10.16	3.3
83	MP1A	Z	0	3.3
84	MP1A	Mx	-.005	3.3
85	MP1B	X	13.286	3.3
86	MP1B	Z	0	3.3
87	MP1B	Mx	.003	3.3
88	MP1C	X	13.286	3.3
89	MP1C	Z	0	3.3
90	MP1C	Mx	.003	3.3
91	MP2A	X	8.577	3.3
92	MP2A	Z	0	3.3
93	MP2A	Mx	-.004	3.3
94	MP2B	X	12.89	3.3

Member Point Loads (BLC 18 : Antenna Wi (90 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP2B	Z	0	3.3
96	MP2B	Mx	.003	3.3
97	MP2C	X	12.89	3.3
98	MP2C	Z	0	3.3
99	MP2C	Mx	.003	3.3
100	OVP1	X	27.222	1
101	OVP1	Z	0	1
102	OVP1	Mx	0	1
103	OVP2	X	27.222	1
104	OVP2	Z	0	1
105	OVP2	Mx	0	1

Member Point Loads (BLC 19 : Antenna Wi (120 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	12.333	.5
2	MP2A	Z	7.12	.5
3	MP2A	Mx	-.004	.5
4	MP2A	X	12.333	2.5
5	MP2A	Z	7.12	2.5
6	MP2A	Mx	-.004	2.5
7	MP2B	X	12.333	.5
8	MP2B	Z	7.12	.5
9	MP2B	Mx	-.004	.5
10	MP2B	X	12.333	2.5
11	MP2B	Z	7.12	2.5
12	MP2B	Mx	-.004	2.5
13	MP2C	X	6.602	.5
14	MP2C	Z	3.812	.5
15	MP2C	Mx	.004	.5
16	MP2C	X	6.602	2.5
17	MP2C	Z	3.812	2.5
18	MP2C	Mx	.004	2.5
19	MP4A	X	17.013	.5
20	MP4A	Z	9.823	.5
21	MP4A	Mx	-.005	.5
22	MP4A	X	17.013	4.5
23	MP4A	Z	9.823	4.5
24	MP4A	Mx	-.005	4.5
25	MP4B	X	17.013	.5
26	MP4B	Z	9.823	.5
27	MP4B	Mx	-.005	.5
28	MP4B	X	17.013	4.5
29	MP4B	Z	9.823	4.5
30	MP4B	Mx	-.005	4.5
31	MP4C	X	14.635	.5
32	MP4C	Z	8.45	.5
33	MP4C	Mx	.008	.5
34	MP4C	X	14.635	4.5
35	MP4C	Z	8.45	4.5
36	MP4C	Mx	.008	4.5
37	MP1A	X	22.258	.5

Member Point Loads (BLC 19 : Antenna Wi (120 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP1A	Z	12.851	.5
39	MP1A	Mx	.008	.5
40	MP1A	X	22.258	4.5
41	MP1A	Z	12.851	4.5
42	MP1A	Mx	.008	4.5
43	MP1B	X	22.258	.5
44	MP1B	Z	12.851	.5
45	MP1B	Mx	-.021	.5
46	MP1B	X	22.258	4.5
47	MP1B	Z	12.851	4.5
48	MP1B	Mx	-.021	4.5
49	MP1C	X	17.121	.5
50	MP1C	Z	9.885	.5
51	MP1C	Mx	.012	.5
52	MP1C	X	17.121	4.5
53	MP1C	Z	9.885	4.5
54	MP1C	Mx	.012	4.5
55	MP1A	X	22.258	.5
56	MP1A	Z	12.851	.5
57	MP1A	Mx	-.021	.5
58	MP1A	X	22.258	4.5
59	MP1A	Z	12.851	4.5
60	MP1A	Mx	-.021	4.5
61	MP1B	X	22.258	.5
62	MP1B	Z	12.851	.5
63	MP1B	Mx	.008	.5
64	MP1B	X	22.258	4.5
65	MP1B	Z	12.851	4.5
66	MP1B	Mx	.008	4.5
67	MP1C	X	17.121	.5
68	MP1C	Z	9.885	.5
69	MP1C	Mx	.007	.5
70	MP1C	X	17.121	4.5
71	MP1C	Z	9.885	4.5
72	MP1C	Mx	.007	4.5
73	MP2A	X	5.539	5
74	MP2A	Z	3.198	5
75	MP2A	Mx	-.002	5
76	MP2B	X	5.539	5
77	MP2B	Z	3.198	5
78	MP2B	Mx	-.002	5
79	MP2C	X	2.387	5
80	MP2C	Z	1.378	5
81	MP2C	Mx	.001	5
82	MP1A	X	9.701	3.3
83	MP1A	Z	5.601	3.3
84	MP1A	Mx	-.005	3.3
85	MP1B	X	12.408	3.3
86	MP1B	Z	7.164	3.3
87	MP1B	Mx	0	3.3
88	MP1C	X	9.701	3.3
89	MP1C	Z	5.601	3.3

Member Point Loads (BLC 19 : Antenna Wi (120 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP1C	Mx	.005	3.3
91	MP2A	X	8.673	3.3
92	MP2A	Z	5.007	3.3
93	MP2A	Mx	-.004	3.3
94	MP2B	X	12.408	3.3
95	MP2B	Z	7.164	3.3
96	MP2B	Mx	0	3.3
97	MP2C	X	8.673	3.3
98	MP2C	Z	5.007	3.3
99	MP2C	Mx	.004	3.3
100	OVP1	X	24.878	1
101	OVP1	Z	14.364	1
102	OVP1	Mx	0	1
103	OVP2	X	24.878	1
104	OVP2	Z	14.364	1
105	OVP2	Mx	0	1

Member Point Loads (BLC 20 : Antenna Wi (150 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	8.27	.5
2	MP2A	Z	14.323	.5
3	MP2A	Mx	0	.5
4	MP2A	X	8.27	2.5
5	MP2A	Z	14.323	2.5
6	MP2A	Mx	0	2.5
7	MP2B	X	4.822	.5
8	MP2B	Z	8.352	.5
9	MP2B	Mx	-.004	.5
10	MP2B	X	4.822	2.5
11	MP2B	Z	8.352	2.5
12	MP2B	Mx	-.004	2.5
13	MP2C	X	4.211	.5
14	MP2C	Z	7.293	.5
15	MP2C	Mx	.004	.5
16	MP2C	X	4.211	2.5
17	MP2C	Z	7.293	2.5
18	MP2C	Mx	.004	2.5
19	MP4A	X	10.28	.5
20	MP4A	Z	17.806	.5
21	MP4A	Mx	0	.5
22	MP4A	X	10.28	4.5
23	MP4A	Z	17.806	4.5
24	MP4A	Mx	0	4.5
25	MP4B	X	8.907	.5
26	MP4B	Z	15.428	.5
27	MP4B	Mx	-.008	.5
28	MP4B	X	8.907	4.5
29	MP4B	Z	15.428	4.5
30	MP4B	Mx	-.008	4.5
31	MP4C	X	8.907	.5
32	MP4C	Z	15.428	.5

Member Point Loads (BLC 20 : Antenna Wi (150 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP4C	Mx	.008	.5
34	MP4C	X	8.907	4.5
35	MP4C	Z	15.428	4.5
36	MP4C	Mx	.008	4.5
37	MP1A	X	13.881	.5
38	MP1A	Z	24.042	.5
39	MP1A	Mx	.019	.5
40	MP1A	X	13.881	4.5
41	MP1A	Z	24.042	4.5
42	MP1A	Mx	.019	4.5
43	MP1B	X	10.79	.5
44	MP1B	Z	18.69	.5
45	MP1B	Mx	-.017	.5
46	MP1B	X	10.79	4.5
47	MP1B	Z	18.69	4.5
48	MP1B	Mx	-.017	4.5
49	MP1C	X	10.242	.5
50	MP1C	Z	17.74	.5
51	MP1C	Mx	.005	.5
52	MP1C	X	10.242	4.5
53	MP1C	Z	17.74	4.5
54	MP1C	Mx	.005	4.5
55	MP1A	X	13.881	.5
56	MP1A	Z	24.042	.5
57	MP1A	Mx	-.019	.5
58	MP1A	X	13.881	4.5
59	MP1A	Z	24.042	4.5
60	MP1A	Mx	-.019	4.5
61	MP1B	X	10.79	.5
62	MP1B	Z	18.69	.5
63	MP1B	Mx	-.002	.5
64	MP1B	X	10.79	4.5
65	MP1B	Z	18.69	4.5
66	MP1B	Mx	-.002	4.5
67	MP1C	X	10.242	.5
68	MP1C	Z	17.74	.5
69	MP1C	Mx	.014	.5
70	MP1C	X	10.242	4.5
71	MP1C	Z	17.74	4.5
72	MP1C	Mx	.014	4.5
73	MP2A	X	3.83	5
74	MP2A	Z	6.633	5
75	MP2A	Mx	0	5
76	MP2B	X	1.934	5
77	MP2B	Z	3.35	5
78	MP2B	Mx	-.002	5
79	MP2C	X	1.598	5
80	MP2C	Z	2.767	5
81	MP2C	Mx	.002	5
82	MP1A	X	6.643	3.3
83	MP1A	Z	11.506	3.3
84	MP1A	Mx	-.003	3.3

Member Point Loads (BLC 20 : Antenna Wi (150 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP1B	X	6.643	3.3
86	MP1B	Z	11.506	3.3
87	MP1B	Mx	-.003	3.3
88	MP1C	X	5.08	3.3
89	MP1C	Z	8.799	3.3
90	MP1C	Mx	.005	3.3
91	MP2A	X	6.445	3.3
92	MP2A	Z	11.163	3.3
93	MP2A	Mx	-.003	3.3
94	MP2B	X	6.445	3.3
95	MP2B	Z	11.163	3.3
96	MP2B	Mx	-.003	3.3
97	MP2C	X	4.288	3.3
98	MP2C	Z	7.428	3.3
99	MP2C	Mx	.004	3.3
100	OVP1	X	13.611	1
101	OVP1	Z	23.575	1
102	OVP1	Mx	0	1
103	OVP2	X	13.611	1
104	OVP2	Z	23.575	1
105	OVP2	Mx	0	1

Member Point Loads (BLC 21 : Antenna Wi (180 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	14.241	.5
3	MP2A	Mx	.004	.5
4	MP2A	X	0	2.5
5	MP2A	Z	14.241	2.5
6	MP2A	Mx	.004	2.5
7	MP2B	X	0	.5
8	MP2B	Z	7.346	.5
9	MP2B	Mx	-.004	.5
10	MP2B	X	0	2.5
11	MP2B	Z	7.346	2.5
12	MP2B	Mx	-.004	2.5
13	MP2C	X	0	.5
14	MP2C	Z	12.741	.5
15	MP2C	Mx	.004	.5
16	MP2C	X	0	2.5
17	MP2C	Z	12.741	2.5
18	MP2C	Mx	.004	2.5
19	MP4A	X	0	.5
20	MP4A	Z	19.645	.5
21	MP4A	Mx	.005	.5
22	MP4A	X	0	4.5
23	MP4A	Z	19.645	4.5
24	MP4A	Mx	.005	4.5
25	MP4B	X	0	.5
26	MP4B	Z	16.899	.5
27	MP4B	Mx	-.008	.5

Member Point Loads (BLC 21 : Antenna Wi (180 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP4B	X	0	4.5
29	MP4B	Z	16.899	4.5
30	MP4B	Mx	-.008	4.5
31	MP4C	X	0	.5
32	MP4C	Z	19.645	.5
33	MP4C	Mx	.005	.5
34	MP4C	X	0	4.5
35	MP4C	Z	19.645	4.5
36	MP4C	Mx	.005	4.5
37	MP1A	X	0	.5
38	MP1A	Z	25.701	.5
39	MP1A	Mx	.021	.5
40	MP1A	X	0	4.5
41	MP1A	Z	25.701	4.5
42	MP1A	Mx	.021	4.5
43	MP1B	X	0	.5
44	MP1B	Z	19.521	.5
45	MP1B	Mx	-.01	.5
46	MP1B	X	0	4.5
47	MP1B	Z	19.521	4.5
48	MP1B	Mx	-.01	4.5
49	MP1C	X	0	.5
50	MP1C	Z	24.357	.5
51	MP1C	Mx	-.005	.5
52	MP1C	X	0	4.5
53	MP1C	Z	24.357	4.5
54	MP1C	Mx	-.005	4.5
55	MP1A	X	0	.5
56	MP1A	Z	25.701	.5
57	MP1A	Mx	-.008	.5
58	MP1A	X	0	4.5
59	MP1A	Z	25.701	4.5
60	MP1A	Mx	-.008	4.5
61	MP1B	X	0	.5
62	MP1B	Z	19.521	.5
63	MP1B	Mx	-.01	.5
64	MP1B	X	0	4.5
65	MP1B	Z	19.521	4.5
66	MP1B	Mx	-.01	4.5
67	MP1C	X	0	.5
68	MP1C	Z	24.357	.5
69	MP1C	Mx	.02	.5
70	MP1C	X	0	4.5
71	MP1C	Z	24.357	4.5
72	MP1C	Mx	.02	4.5
73	MP2A	X	0	5
74	MP2A	Z	6.396	5
75	MP2A	Mx	.002	5
76	MP2B	X	0	5
77	MP2B	Z	2.604	5
78	MP2B	Mx	-.001	5
79	MP2C	X	0	5

Member Point Loads (BLC 21 : Antenna Wi (180 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP2C	Z	5.571	5
81	MP2C	Mx	.002	5
82	MP1A	X	0	3.3
83	MP1A	Z	14.327	3.3
84	MP1A	Mx	0	3.3
85	MP1B	X	0	3.3
86	MP1B	Z	11.202	3.3
87	MP1B	Mx	-.005	3.3
88	MP1C	X	0	3.3
89	MP1C	Z	11.202	3.3
90	MP1C	Mx	.005	3.3
91	MP2A	X	0	3.3
92	MP2A	Z	14.327	3.3
93	MP2A	Mx	0	3.3
94	MP2B	X	0	3.3
95	MP2B	Z	10.014	3.3
96	MP2B	Mx	-.004	3.3
97	MP2C	X	0	3.3
98	MP2C	Z	10.014	3.3
99	MP2C	Mx	.004	3.3
100	OVP1	X	0	1
101	OVP1	Z	24.213	1
102	OVP1	Mx	0	1
103	OVP2	X	0	1
104	OVP2	Z	24.213	1
105	OVP2	Mx	0	1

Member Point Loads (BLC 22 : Antenna Wi (210 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-4.822	.5
2	MP2A	Z	8.352	.5
3	MP2A	Mx	.004	.5
4	MP2A	X	-4.822	2.5
5	MP2A	Z	8.352	2.5
6	MP2A	Mx	.004	2.5
7	MP2B	X	-4.822	.5
8	MP2B	Z	8.352	.5
9	MP2B	Mx	-.004	.5
10	MP2B	X	-4.822	2.5
11	MP2B	Z	8.352	2.5
12	MP2B	Mx	-.004	2.5
13	MP2C	X	-8.131	.5
14	MP2C	Z	14.083	.5
15	MP2C	Mx	.001	.5
16	MP2C	X	-8.131	2.5
17	MP2C	Z	14.083	2.5
18	MP2C	Mx	.001	2.5
19	MP4A	X	-8.907	.5
20	MP4A	Z	15.428	.5
21	MP4A	Mx	.008	.5
22	MP4A	X	-8.907	4.5

Member Point Loads (BLC 22 : Antenna Wi (210 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP4A	Z	15.428	4.5
24	MP4A	Mx	.008	4.5
25	MP4B	X	-8.907	.5
26	MP4B	Z	15.428	.5
27	MP4B	Mx	-.008	.5
28	MP4B	X	-8.907	4.5
29	MP4B	Z	15.428	4.5
30	MP4B	Mx	-.008	4.5
31	MP4C	X	-10.28	.5
32	MP4C	Z	17.806	.5
33	MP4C	Mx	0	.5
34	MP4C	X	-10.28	4.5
35	MP4C	Z	17.806	4.5
36	MP4C	Mx	0	4.5
37	MP1A	X	-10.79	.5
38	MP1A	Z	18.69	.5
39	MP1A	Mx	.017	.5
40	MP1A	X	-10.79	4.5
41	MP1A	Z	18.69	4.5
42	MP1A	Mx	.017	4.5
43	MP1B	X	-10.79	.5
44	MP1B	Z	18.69	.5
45	MP1B	Mx	-.002	.5
46	MP1B	X	-10.79	4.5
47	MP1B	Z	18.69	4.5
48	MP1B	Mx	-.002	4.5
49	MP1C	X	-13.756	.5
50	MP1C	Z	23.827	.5
51	MP1C	Mx	-.016	.5
52	MP1C	X	-13.756	4.5
53	MP1C	Z	23.827	4.5
54	MP1C	Mx	-.016	4.5
55	MP1A	X	-10.79	.5
56	MP1A	Z	18.69	.5
57	MP1A	Mx	.002	.5
58	MP1A	X	-10.79	4.5
59	MP1A	Z	18.69	4.5
60	MP1A	Mx	.002	4.5
61	MP1B	X	-10.79	.5
62	MP1B	Z	18.69	.5
63	MP1B	Mx	-.017	.5
64	MP1B	X	-10.79	4.5
65	MP1B	Z	18.69	4.5
66	MP1B	Mx	-.017	4.5
67	MP1C	X	-13.756	.5
68	MP1C	Z	23.827	.5
69	MP1C	Mx	.02	.5
70	MP1C	X	-13.756	4.5
71	MP1C	Z	23.827	4.5
72	MP1C	Mx	.02	4.5
73	MP2A	X	-1.934	5
74	MP2A	Z	3.35	5

Member Point Loads (BLC 22 : Antenna Wi (210 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP2A	Mx	.002	5
76	MP2B	X	-1.934	5
77	MP2B	Z	3.35	5
78	MP2B	Mx	-.002	5
79	MP2C	X	-3.754	5
80	MP2C	Z	6.501	5
81	MP2C	Mx	.000652	5
82	MP1A	X	-6.643	3.3
83	MP1A	Z	11.506	3.3
84	MP1A	Mx	.003	3.3
85	MP1B	X	-5.08	3.3
86	MP1B	Z	8.799	3.3
87	MP1B	Mx	-.005	3.3
88	MP1C	X	-6.643	3.3
89	MP1C	Z	11.506	3.3
90	MP1C	Mx	.003	3.3
91	MP2A	X	-6.445	3.3
92	MP2A	Z	11.163	3.3
93	MP2A	Mx	.003	3.3
94	MP2B	X	-4.288	3.3
95	MP2B	Z	7.428	3.3
96	MP2B	Mx	-.004	3.3
97	MP2C	X	-6.445	3.3
98	MP2C	Z	11.163	3.3
99	MP2C	Mx	.003	3.3
100	OVP1	X	-11.354	1
101	OVP1	Z	19.665	1
102	OVP1	Mx	0	1
103	OVP2	X	-11.354	1
104	OVP2	Z	19.665	1
105	OVP2	Mx	0	1

Member Point Loads (BLC 23 : Antenna Wi (240 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-6.362	.5
2	MP2A	Z	3.673	.5
3	MP2A	Mx	.004	.5
4	MP2A	X	-6.362	2.5
5	MP2A	Z	3.673	2.5
6	MP2A	Mx	.004	2.5
7	MP2B	X	-12.333	.5
8	MP2B	Z	7.12	.5
9	MP2B	Mx	-.004	.5
10	MP2B	X	-12.333	2.5
11	MP2B	Z	7.12	2.5
12	MP2B	Mx	-.004	2.5
13	MP2C	X	-13.392	.5
14	MP2C	Z	7.732	.5
15	MP2C	Mx	-.003	.5
16	MP2C	X	-13.392	2.5
17	MP2C	Z	7.732	2.5

Member Point Loads (BLC 23 : Antenna Wi (240 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2C	Mx	-.003	2.5
19	MP4A	X	-14.635	.5
20	MP4A	Z	8.45	.5
21	MP4A	Mx	.008	.5
22	MP4A	X	-14.635	4.5
23	MP4A	Z	8.45	4.5
24	MP4A	Mx	.008	4.5
25	MP4B	X	-17.013	.5
26	MP4B	Z	9.823	.5
27	MP4B	Mx	-.005	.5
28	MP4B	X	-17.013	4.5
29	MP4B	Z	9.823	4.5
30	MP4B	Mx	-.005	4.5
31	MP4C	X	-17.013	.5
32	MP4C	Z	9.823	.5
33	MP4C	Mx	-.005	.5
34	MP4C	X	-17.013	4.5
35	MP4C	Z	9.823	4.5
36	MP4C	Mx	-.005	4.5
37	MP1A	X	-16.905	.5
38	MP1A	Z	9.76	.5
39	MP1A	Mx	.01	.5
40	MP1A	X	-16.905	4.5
41	MP1A	Z	9.76	4.5
42	MP1A	Mx	.01	4.5
43	MP1B	X	-22.258	.5
44	MP1B	Z	12.851	.5
45	MP1B	Mx	.008	.5
46	MP1B	X	-22.258	4.5
47	MP1B	Z	12.851	4.5
48	MP1B	Mx	.008	4.5
49	MP1C	X	-23.207	.5
50	MP1C	Z	13.399	.5
51	MP1C	Mx	-.021	.5
52	MP1C	X	-23.207	4.5
53	MP1C	Z	13.399	4.5
54	MP1C	Mx	-.021	4.5
55	MP1A	X	-16.905	.5
56	MP1A	Z	9.76	.5
57	MP1A	Mx	.01	.5
58	MP1A	X	-16.905	4.5
59	MP1A	Z	9.76	4.5
60	MP1A	Mx	.01	4.5
61	MP1B	X	-22.258	.5
62	MP1B	Z	12.851	.5
63	MP1B	Mx	-.021	.5
64	MP1B	X	-22.258	4.5
65	MP1B	Z	12.851	4.5
66	MP1B	Mx	-.021	4.5
67	MP1C	X	-23.207	.5
68	MP1C	Z	13.399	.5
69	MP1C	Mx	.012	.5

Member Point Loads (BLC 23 : Antenna Wi (240 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP1C	X	-23.207	4.5
71	MP1C	Z	13.399	4.5
72	MP1C	Mx	.012	4.5
73	MP2A	X	-2.255	5
74	MP2A	Z	1.302	5
75	MP2A	Mx	.001	5
76	MP2B	X	-5.539	5
77	MP2B	Z	3.198	5
78	MP2B	Mx	-.002	5
79	MP2C	X	-6.121	5
80	MP2C	Z	3.534	5
81	MP2C	Mx	-.001	5
82	MP1A	X	-9.701	3.3
83	MP1A	Z	5.601	3.3
84	MP1A	Mx	.005	3.3
85	MP1B	X	-9.701	3.3
86	MP1B	Z	5.601	3.3
87	MP1B	Mx	-.005	3.3
88	MP1C	X	-12.408	3.3
89	MP1C	Z	7.164	3.3
90	MP1C	Mx	0	3.3
91	MP2A	X	-8.673	3.3
92	MP2A	Z	5.007	3.3
93	MP2A	Mx	.004	3.3
94	MP2B	X	-8.673	3.3
95	MP2B	Z	5.007	3.3
96	MP2B	Mx	-.004	3.3
97	MP2C	X	-12.408	3.3
98	MP2C	Z	7.164	3.3
99	MP2C	Mx	0	3.3
100	OVP1	X	-20.969	1
101	OVP1	Z	12.106	1
102	OVP1	Mx	0	1
103	OVP2	X	-20.969	1
104	OVP2	Z	12.106	1
105	OVP2	Mx	0	1

Member Point Loads (BLC 24 : Antenna Wi (270 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-9.644	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	.004	.5
4	MP2A	X	-9.644	2.5
5	MP2A	Z	0	2.5
6	MP2A	Mx	.004	2.5
7	MP2B	X	-16.539	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	0	.5
10	MP2B	X	-16.539	2.5
11	MP2B	Z	0	2.5
12	MP2B	Mx	0	2.5

Member Point Loads (BLC 24 : Antenna Wi (270 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP2C	X	-11.144	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	-.004	.5
16	MP2C	X	-11.144	2.5
17	MP2C	Z	0	2.5
18	MP2C	Mx	-.004	2.5
19	MP4A	X	-17.815	.5
20	MP4A	Z	0	.5
21	MP4A	Mx	.008	.5
22	MP4A	X	-17.815	4.5
23	MP4A	Z	0	4.5
24	MP4A	Mx	.008	4.5
25	MP4B	X	-20.56	.5
26	MP4B	Z	0	.5
27	MP4B	Mx	0	.5
28	MP4B	X	-20.56	4.5
29	MP4B	Z	0	4.5
30	MP4B	Mx	0	4.5
31	MP4C	X	-17.815	.5
32	MP4C	Z	0	.5
33	MP4C	Mx	-.008	.5
34	MP4C	X	-17.815	4.5
35	MP4C	Z	0	4.5
36	MP4C	Mx	-.008	4.5
37	MP1A	X	-21.581	.5
38	MP1A	Z	0	.5
39	MP1A	Mx	.002	.5
40	MP1A	X	-21.581	4.5
41	MP1A	Z	0	4.5
42	MP1A	Mx	.002	4.5
43	MP1B	X	-27.761	.5
44	MP1B	Z	0	.5
45	MP1B	Mx	.019	.5
46	MP1B	X	-27.761	4.5
47	MP1B	Z	0	4.5
48	MP1B	Mx	.019	4.5
49	MP1C	X	-22.926	.5
50	MP1C	Z	0	.5
51	MP1C	Mx	-.019	.5
52	MP1C	X	-22.926	4.5
53	MP1C	Z	0	4.5
54	MP1C	Mx	-.019	4.5
55	MP1A	X	-21.581	.5
56	MP1A	Z	0	.5
57	MP1A	Mx	.017	.5
58	MP1A	X	-21.581	4.5
59	MP1A	Z	0	4.5
60	MP1A	Mx	.017	4.5
61	MP1B	X	-27.761	.5
62	MP1B	Z	0	.5
63	MP1B	Mx	-.019	.5
64	MP1B	X	-27.761	4.5

Member Point Loads (BLC 24 : Antenna Wi (270 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP1B	Z	0	4.5
66	MP1B	Mx	-.019	4.5
67	MP1C	X	-22.926	.5
68	MP1C	Z	0	.5
69	MP1C	Mx	.001	.5
70	MP1C	X	-22.926	4.5
71	MP1C	Z	0	4.5
72	MP1C	Mx	.001	4.5
73	MP2A	X	-3.868	5
74	MP2A	Z	0	5
75	MP2A	Mx	.002	5
76	MP2B	X	-7.66	5
77	MP2B	Z	0	5
78	MP2B	Mx	0	5
79	MP2C	X	-4.693	5
80	MP2C	Z	0	5
81	MP2C	Mx	-.002	5
82	MP1A	X	-10.16	3.3
83	MP1A	Z	0	3.3
84	MP1A	Mx	.005	3.3
85	MP1B	X	-13.286	3.3
86	MP1B	Z	0	3.3
87	MP1B	Mx	-.003	3.3
88	MP1C	X	-13.286	3.3
89	MP1C	Z	0	3.3
90	MP1C	Mx	-.003	3.3
91	MP2A	X	-8.577	3.3
92	MP2A	Z	0	3.3
93	MP2A	Mx	.004	3.3
94	MP2B	X	-12.89	3.3
95	MP2B	Z	0	3.3
96	MP2B	Mx	-.003	3.3
97	MP2C	X	-12.89	3.3
98	MP2C	Z	0	3.3
99	MP2C	Mx	-.003	3.3
100	OVP1	X	-27.222	1
101	OVP1	Z	0	1
102	OVP1	Mx	0	1
103	OVP2	X	-27.222	1
104	OVP2	Z	0	1
105	OVP2	Mx	0	1

Member Point Loads (BLC 25 : Antenna Wi (300 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-12.333	.5
2	MP2A	Z	-7.12	.5
3	MP2A	Mx	.004	.5
4	MP2A	X	-12.333	2.5
5	MP2A	Z	-7.12	2.5
6	MP2A	Mx	.004	2.5
7	MP2B	X	-12.333	.5

Member Point Loads (BLC 25 : Antenna Wi (300 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP2B	Z	-7.12	.5
9	MP2B	Mx	.004	.5
10	MP2B	X	-12.333	2.5
11	MP2B	Z	-7.12	2.5
12	MP2B	Mx	.004	2.5
13	MP2C	X	-6.602	.5
14	MP2C	Z	-3.812	.5
15	MP2C	Mx	-.004	.5
16	MP2C	X	-6.602	2.5
17	MP2C	Z	-3.812	2.5
18	MP2C	Mx	-.004	2.5
19	MP4A	X	-17.013	.5
20	MP4A	Z	-9.823	.5
21	MP4A	Mx	.005	.5
22	MP4A	X	-17.013	4.5
23	MP4A	Z	-9.823	4.5
24	MP4A	Mx	.005	4.5
25	MP4B	X	-17.013	.5
26	MP4B	Z	-9.823	.5
27	MP4B	Mx	.005	.5
28	MP4B	X	-17.013	4.5
29	MP4B	Z	-9.823	4.5
30	MP4B	Mx	.005	4.5
31	MP4C	X	-14.635	.5
32	MP4C	Z	-8.45	.5
33	MP4C	Mx	-.008	.5
34	MP4C	X	-14.635	4.5
35	MP4C	Z	-8.45	4.5
36	MP4C	Mx	-.008	4.5
37	MP1A	X	-22.258	.5
38	MP1A	Z	-12.851	.5
39	MP1A	Mx	-.008	.5
40	MP1A	X	-22.258	4.5
41	MP1A	Z	-12.851	4.5
42	MP1A	Mx	-.008	4.5
43	MP1B	X	-22.258	.5
44	MP1B	Z	-12.851	.5
45	MP1B	Mx	.021	.5
46	MP1B	X	-22.258	4.5
47	MP1B	Z	-12.851	4.5
48	MP1B	Mx	.021	4.5
49	MP1C	X	-17.121	.5
50	MP1C	Z	-9.885	.5
51	MP1C	Mx	-.012	.5
52	MP1C	X	-17.121	4.5
53	MP1C	Z	-9.885	4.5
54	MP1C	Mx	-.012	4.5
55	MP1A	X	-22.258	.5
56	MP1A	Z	-12.851	.5
57	MP1A	Mx	.021	.5
58	MP1A	X	-22.258	4.5
59	MP1A	Z	-12.851	4.5

Member Point Loads (BLC 25 : Antenna Wi (300 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1A	Mx	.021	4.5
61	MP1B	X	-22.258	.5
62	MP1B	Z	-12.851	.5
63	MP1B	Mx	-.008	.5
64	MP1B	X	-22.258	4.5
65	MP1B	Z	-12.851	4.5
66	MP1B	Mx	-.008	4.5
67	MP1C	X	-17.121	.5
68	MP1C	Z	-9.885	.5
69	MP1C	Mx	-.007	.5
70	MP1C	X	-17.121	4.5
71	MP1C	Z	-9.885	4.5
72	MP1C	Mx	-.007	4.5
73	MP2A	X	-5.539	5
74	MP2A	Z	-3.198	5
75	MP2A	Mx	.002	5
76	MP2B	X	-5.539	5
77	MP2B	Z	-3.198	5
78	MP2B	Mx	.002	5
79	MP2C	X	-2.387	5
80	MP2C	Z	-1.378	5
81	MP2C	Mx	-.001	5
82	MP1A	X	-9.701	3.3
83	MP1A	Z	-5.601	3.3
84	MP1A	Mx	.005	3.3
85	MP1B	X	-12.408	3.3
86	MP1B	Z	-7.164	3.3
87	MP1B	Mx	0	3.3
88	MP1C	X	-9.701	3.3
89	MP1C	Z	-5.601	3.3
90	MP1C	Mx	-.005	3.3
91	MP2A	X	-8.673	3.3
92	MP2A	Z	-5.007	3.3
93	MP2A	Mx	.004	3.3
94	MP2B	X	-12.408	3.3
95	MP2B	Z	-7.164	3.3
96	MP2B	Mx	0	3.3
97	MP2C	X	-8.673	3.3
98	MP2C	Z	-5.007	3.3
99	MP2C	Mx	-.004	3.3
100	OVP1	X	-24.878	1
101	OVP1	Z	-14.364	1
102	OVP1	Mx	0	1
103	OVP2	X	-24.878	1
104	OVP2	Z	-14.364	1
105	OVP2	Mx	0	1

Member Point Loads (BLC 26 : Antenna Wi (330 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-8.27	.5
2	MP2A	Z	-14.323	.5

Member Point Loads (BLC 26 : Antenna Wi (330 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP2A	Mx	0	.5
4	MP2A	X	-8.27	2.5
5	MP2A	Z	-14.323	2.5
6	MP2A	Mx	0	2.5
7	MP2B	X	-4.822	.5
8	MP2B	Z	-8.352	.5
9	MP2B	Mx	.004	.5
10	MP2B	X	-4.822	2.5
11	MP2B	Z	-8.352	2.5
12	MP2B	Mx	.004	2.5
13	MP2C	X	-4.211	.5
14	MP2C	Z	-7.293	.5
15	MP2C	Mx	-.004	.5
16	MP2C	X	-4.211	2.5
17	MP2C	Z	-7.293	2.5
18	MP2C	Mx	-.004	2.5
19	MP4A	X	-10.28	.5
20	MP4A	Z	-17.806	.5
21	MP4A	Mx	0	.5
22	MP4A	X	-10.28	4.5
23	MP4A	Z	-17.806	4.5
24	MP4A	Mx	0	4.5
25	MP4B	X	-8.907	.5
26	MP4B	Z	-15.428	.5
27	MP4B	Mx	.008	.5
28	MP4B	X	-8.907	4.5
29	MP4B	Z	-15.428	4.5
30	MP4B	Mx	.008	4.5
31	MP4C	X	-8.907	.5
32	MP4C	Z	-15.428	.5
33	MP4C	Mx	-.008	.5
34	MP4C	X	-8.907	4.5
35	MP4C	Z	-15.428	4.5
36	MP4C	Mx	-.008	4.5
37	MP1A	X	-13.881	.5
38	MP1A	Z	-24.042	.5
39	MP1A	Mx	-.019	.5
40	MP1A	X	-13.881	4.5
41	MP1A	Z	-24.042	4.5
42	MP1A	Mx	-.019	4.5
43	MP1B	X	-10.79	.5
44	MP1B	Z	-18.69	.5
45	MP1B	Mx	.017	.5
46	MP1B	X	-10.79	4.5
47	MP1B	Z	-18.69	4.5
48	MP1B	Mx	.017	4.5
49	MP1C	X	-10.242	.5
50	MP1C	Z	-17.74	.5
51	MP1C	Mx	-.005	.5
52	MP1C	X	-10.242	4.5
53	MP1C	Z	-17.74	4.5
54	MP1C	Mx	-.005	4.5

Member Point Loads (BLC 26 : Antenna Wi (330 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
55	MP1A	X	-13.881	.5
56	MP1A	Z	-24.042	.5
57	MP1A	Mx	.019	.5
58	MP1A	X	-13.881	4.5
59	MP1A	Z	-24.042	4.5
60	MP1A	Mx	.019	4.5
61	MP1B	X	-10.79	.5
62	MP1B	Z	-18.69	.5
63	MP1B	Mx	.002	.5
64	MP1B	X	-10.79	4.5
65	MP1B	Z	-18.69	4.5
66	MP1B	Mx	.002	4.5
67	MP1C	X	-10.242	.5
68	MP1C	Z	-17.74	.5
69	MP1C	Mx	-.014	.5
70	MP1C	X	-10.242	4.5
71	MP1C	Z	-17.74	4.5
72	MP1C	Mx	-.014	4.5
73	MP2A	X	-3.83	5
74	MP2A	Z	-6.633	5
75	MP2A	Mx	0	5
76	MP2B	X	-1.934	5
77	MP2B	Z	-3.35	5
78	MP2B	Mx	.002	5
79	MP2C	X	-1.598	5
80	MP2C	Z	-2.767	5
81	MP2C	Mx	-.002	5
82	MP1A	X	-6.643	3.3
83	MP1A	Z	-11.506	3.3
84	MP1A	Mx	.003	3.3
85	MP1B	X	-6.643	3.3
86	MP1B	Z	-11.506	3.3
87	MP1B	Mx	.003	3.3
88	MP1C	X	-5.08	3.3
89	MP1C	Z	-8.799	3.3
90	MP1C	Mx	-.005	3.3
91	MP2A	X	-6.445	3.3
92	MP2A	Z	-11.163	3.3
93	MP2A	Mx	.003	3.3
94	MP2B	X	-6.445	3.3
95	MP2B	Z	-11.163	3.3
96	MP2B	Mx	.003	3.3
97	MP2C	X	-4.288	3.3
98	MP2C	Z	-7.428	3.3
99	MP2C	Mx	-.004	3.3
100	OVP1	X	-13.611	1
101	OVP1	Z	-23.575	1
102	OVP1	Mx	0	1
103	OVP2	X	-13.611	1
104	OVP2	Z	-23.575	1
105	OVP2	Mx	0	1

Member Point Loads (BLC 27 : Antenna Wm (0 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	-4.215	.5
3	MP2A	Mx	-.001	.5
4	MP2A	X	0	2.5
5	MP2A	Z	-4.215	2.5
6	MP2A	Mx	-.001	2.5
7	MP2B	X	0	.5
8	MP2B	Z	-1.946	.5
9	MP2B	Mx	.000973	.5
10	MP2B	X	0	2.5
11	MP2B	Z	-1.946	2.5
12	MP2B	Mx	.000973	2.5
13	MP2C	X	0	.5
14	MP2C	Z	-3.721	.5
15	MP2C	Mx	-.001	.5
16	MP2C	X	0	2.5
17	MP2C	Z	-3.721	2.5
18	MP2C	Mx	-.001	2.5
19	MP4A	X	0	.5
20	MP4A	Z	-5.775	.5
21	MP4A	Mx	-.001	.5
22	MP4A	X	0	4.5
23	MP4A	Z	-5.775	4.5
24	MP4A	Mx	-.001	4.5
25	MP4B	X	0	.5
26	MP4B	Z	-4.824	.5
27	MP4B	Mx	.002	.5
28	MP4B	X	0	4.5
29	MP4B	Z	-4.824	4.5
30	MP4B	Mx	.002	4.5
31	MP4C	X	0	.5
32	MP4C	Z	-5.775	.5
33	MP4C	Mx	-.001	.5
34	MP4C	X	0	4.5
35	MP4C	Z	-5.775	4.5
36	MP4C	Mx	-.001	4.5
37	MP1A	X	0	.5
38	MP1A	Z	-7.9	.5
39	MP1A	Mx	-.007	.5
40	MP1A	X	0	4.5
41	MP1A	Z	-7.9	4.5
42	MP1A	Mx	-.007	4.5
43	MP1B	X	0	.5
44	MP1B	Z	-5.708	.5
45	MP1B	Mx	.003	.5
46	MP1B	X	0	4.5
47	MP1B	Z	-5.708	4.5
48	MP1B	Mx	.003	4.5
49	MP1C	X	0	.5
50	MP1C	Z	-7.423	.5
51	MP1C	Mx	.001	.5
52	MP1C	X	0	4.5

Member Point Loads (BLC 27 : Antenna Wm (0 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP1C	Z	-7.423	4.5
54	MP1C	Mx	.001	4.5
55	MP1A	X	0	.5
56	MP1A	Z	-7.9	.5
57	MP1A	Mx	.003	.5
58	MP1A	X	0	4.5
59	MP1A	Z	-7.9	4.5
60	MP1A	Mx	.003	4.5
61	MP1B	X	0	.5
62	MP1B	Z	-5.708	.5
63	MP1B	Mx	.003	.5
64	MP1B	X	0	4.5
65	MP1B	Z	-5.708	4.5
66	MP1B	Mx	.003	4.5
67	MP1C	X	0	.5
68	MP1C	Z	-7.423	.5
69	MP1C	Mx	-.006	.5
70	MP1C	X	0	4.5
71	MP1C	Z	-7.423	4.5
72	MP1C	Mx	-.006	4.5
73	MP2A	X	0	5
74	MP2A	Z	-1.504	5
75	MP2A	Mx	-.000376	5
76	MP2B	X	0	5
77	MP2B	Z	-.369	5
78	MP2B	Mx	.000184	5
79	MP2C	X	0	5
80	MP2C	Z	-1.257	5
81	MP2C	Mx	-.000404	5
82	MP1A	X	0	3.3
83	MP1A	Z	-3.956	3.3
84	MP1A	Mx	0	3.3
85	MP1B	X	0	3.3
86	MP1B	Z	-2.972	3.3
87	MP1B	Mx	.001	3.3
88	MP1C	X	0	3.3
89	MP1C	Z	-2.972	3.3
90	MP1C	Mx	-.001	3.3
91	MP2A	X	0	3.3
92	MP2A	Z	-3.956	3.3
93	MP2A	Mx	0	3.3
94	MP2B	X	0	3.3
95	MP2B	Z	-2.595	3.3
96	MP2B	Mx	.001	3.3
97	MP2C	X	0	3.3
98	MP2C	Z	-2.595	3.3
99	MP2C	Mx	-.001	3.3
100	OVP1	X	0	1
101	OVP1	Z	-7.061	1
102	OVP1	Mx	0	1
103	OVP2	X	0	1
104	OVP2	Z	-7.061	1

Member Point Loads (BLC 27 : Antenna Wm (0 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	OVP2	Mx	0	1

Member Point Loads (BLC 28 : Antenna Wm (30 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	1.351	.5
2	MP2A	Z	-2.34	.5
3	MP2A	Mx	-.001	.5
4	MP2A	X	1.351	2.5
5	MP2A	Z	-2.34	2.5
6	MP2A	Mx	-.001	2.5
7	MP2B	X	1.351	.5
8	MP2B	Z	-2.34	.5
9	MP2B	Mx	.001	.5
10	MP2B	X	1.351	2.5
11	MP2B	Z	-2.34	2.5
12	MP2B	Mx	.001	2.5
13	MP2C	X	2.44	.5
14	MP2C	Z	-4.226	.5
15	MP2C	Mx	-.000424	.5
16	MP2C	X	2.44	2.5
17	MP2C	Z	-4.226	2.5
18	MP2C	Mx	-.000424	2.5
19	MP4A	X	2.57	.5
20	MP4A	Z	-4.452	.5
21	MP4A	Mx	-.002	.5
22	MP4A	X	2.57	4.5
23	MP4A	Z	-4.452	4.5
24	MP4A	Mx	-.002	4.5
25	MP4B	X	2.57	.5
26	MP4B	Z	-4.452	.5
27	MP4B	Mx	.002	.5
28	MP4B	X	2.57	4.5
29	MP4B	Z	-4.452	4.5
30	MP4B	Mx	.002	4.5
31	MP4C	X	3.046	.5
32	MP4C	Z	-5.276	.5
33	MP4C	Mx	0	.5
34	MP4C	X	3.046	4.5
35	MP4C	Z	-5.276	4.5
36	MP4C	Mx	0	4.5
37	MP1A	X	3.219	.5
38	MP1A	Z	-5.576	.5
39	MP1A	Mx	-.005	.5
40	MP1A	X	3.219	4.5
41	MP1A	Z	-5.576	4.5
42	MP1A	Mx	-.005	4.5
43	MP1B	X	3.219	.5
44	MP1B	Z	-5.576	.5
45	MP1B	Mx	.000642	.5
46	MP1B	X	3.219	4.5
47	MP1B	Z	-5.576	4.5

Member Point Loads (BLC 28 : Antenna Wm (30 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP1B	Mx	.000642	4.5
49	MP1C	X	4.271	.5
50	MP1C	Z	-7.398	.5
51	MP1C	Mx	.005	.5
52	MP1C	X	4.271	4.5
53	MP1C	Z	-7.398	4.5
54	MP1C	Mx	.005	4.5
55	MP1A	X	3.219	.5
56	MP1A	Z	-5.576	.5
57	MP1A	Mx	-.000642	.5
58	MP1A	X	3.219	4.5
59	MP1A	Z	-5.576	4.5
60	MP1A	Mx	-.000642	4.5
61	MP1B	X	3.219	.5
62	MP1B	Z	-5.576	.5
63	MP1B	Mx	.005	.5
64	MP1B	X	3.219	4.5
65	MP1B	Z	-5.576	4.5
66	MP1B	Mx	.005	4.5
67	MP1C	X	4.271	.5
68	MP1C	Z	-7.398	.5
69	MP1C	Mx	-.006	.5
70	MP1C	X	4.271	4.5
71	MP1C	Z	-7.398	4.5
72	MP1C	Mx	-.006	4.5
73	MP2A	X	.374	5
74	MP2A	Z	-.647	5
75	MP2A	Mx	-.000324	5
76	MP2B	X	.374	5
77	MP2B	Z	-.647	5
78	MP2B	Mx	.000324	5
79	MP2C	X	.919	5
80	MP2C	Z	-1.591	5
81	MP2C	Mx	-.000159	5
82	MP1A	X	1.814	3.3
83	MP1A	Z	-3.142	3.3
84	MP1A	Mx	-.000907	3.3
85	MP1B	X	1.322	3.3
86	MP1B	Z	-2.29	3.3
87	MP1B	Mx	.001	3.3
88	MP1C	X	1.814	3.3
89	MP1C	Z	-3.142	3.3
90	MP1C	Mx	-.000907	3.3
91	MP2A	X	1.751	3.3
92	MP2A	Z	-3.033	3.3
93	MP2A	Mx	-.000876	3.3
94	MP2B	X	1.071	3.3
95	MP2B	Z	-1.855	3.3
96	MP2B	Mx	.001	3.3
97	MP2C	X	1.751	3.3
98	MP2C	Z	-3.033	3.3
99	MP2C	Mx	-.000876	3.3

Member Point Loads (BLC 28 : Antenna Wm (30 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
100	OVP1	X	3.276	1
101	OVP1	Z	-5.675	1
102	OVP1	Mx	0	1
103	OVP2	X	3.276	1
104	OVP2	Z	-5.675	1
105	OVP2	Mx	0	1

Member Point Loads (BLC 29 : Antenna Wm (60 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	1.685	.5
2	MP2A	Z	-.973	.5
3	MP2A	Mx	-.000973	.5
4	MP2A	X	1.685	2.5
5	MP2A	Z	-.973	2.5
6	MP2A	Mx	-.000973	2.5
7	MP2B	X	3.65	.5
8	MP2B	Z	-2.107	.5
9	MP2B	Mx	.001	.5
10	MP2B	X	3.65	2.5
11	MP2B	Z	-2.107	2.5
12	MP2B	Mx	.001	2.5
13	MP2C	X	3.999	.5
14	MP2C	Z	-2.309	.5
15	MP2C	Mx	.00079	.5
16	MP2C	X	3.999	2.5
17	MP2C	Z	-2.309	2.5
18	MP2C	Mx	.00079	2.5
19	MP4A	X	4.178	.5
20	MP4A	Z	-2.412	.5
21	MP4A	Mx	-.002	.5
22	MP4A	X	4.178	4.5
23	MP4A	Z	-2.412	4.5
24	MP4A	Mx	-.002	4.5
25	MP4B	X	5.001	.5
26	MP4B	Z	-2.888	.5
27	MP4B	Mx	.001	.5
28	MP4B	X	5.001	4.5
29	MP4B	Z	-2.888	4.5
30	MP4B	Mx	.001	4.5
31	MP4C	X	5.001	.5
32	MP4C	Z	-2.888	.5
33	MP4C	Mx	.001	.5
34	MP4C	X	5.001	4.5
35	MP4C	Z	-2.888	4.5
36	MP4C	Mx	.001	4.5
37	MP1A	X	4.943	.5
38	MP1A	Z	-2.854	.5
39	MP1A	Mx	-.003	.5
40	MP1A	X	4.943	4.5
41	MP1A	Z	-2.854	4.5
42	MP1A	Mx	-.003	4.5

Member Point Loads (BLC 29 : Antenna Wm (60 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP1B	X	6.842	.5
44	MP1B	Z	-3.95	.5
45	MP1B	Mx	-.003	.5
46	MP1B	X	6.842	4.5
47	MP1B	Z	-3.95	4.5
48	MP1B	Mx	-.003	4.5
49	MP1C	X	7.178	.5
50	MP1C	Z	-4.144	.5
51	MP1C	Mx	.007	.5
52	MP1C	X	7.178	4.5
53	MP1C	Z	-4.144	4.5
54	MP1C	Mx	.007	4.5
55	MP1A	X	4.943	.5
56	MP1A	Z	-2.854	.5
57	MP1A	Mx	-.003	.5
58	MP1A	X	4.943	4.5
59	MP1A	Z	-2.854	4.5
60	MP1A	Mx	-.003	4.5
61	MP1B	X	6.842	.5
62	MP1B	Z	-3.95	.5
63	MP1B	Mx	.007	.5
64	MP1B	X	6.842	4.5
65	MP1B	Z	-3.95	4.5
66	MP1B	Mx	.007	4.5
67	MP1C	X	7.178	.5
68	MP1C	Z	-4.144	.5
69	MP1C	Mx	-.004	.5
70	MP1C	X	7.178	4.5
71	MP1C	Z	-4.144	4.5
72	MP1C	Mx	-.004	4.5
73	MP2A	X	.32	5
74	MP2A	Z	-.185	5
75	MP2A	Mx	-.000185	5
76	MP2B	X	1.303	5
77	MP2B	Z	-.752	5
78	MP2B	Mx	.000376	5
79	MP2C	X	1.477	5
80	MP2C	Z	-.853	5
81	MP2C	Mx	.000292	5
82	MP1A	X	2.574	3.3
83	MP1A	Z	-1.486	3.3
84	MP1A	Mx	-.001	3.3
85	MP1B	X	2.574	3.3
86	MP1B	Z	-1.486	3.3
87	MP1B	Mx	.001	3.3
88	MP1C	X	3.426	3.3
89	MP1C	Z	-1.978	3.3
90	MP1C	Mx	0	3.3
91	MP2A	X	2.248	3.3
92	MP2A	Z	-1.298	3.3
93	MP2A	Mx	-.001	3.3
94	MP2B	X	2.248	3.3

Member Point Loads (BLC 29 : Antenna Wm (60 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP2B	Z	-1.298	3.3
96	MP2B	Mx	.001	3.3
97	MP2C	X	3.426	3.3
98	MP2C	Z	-1.978	3.3
99	MP2C	Mx	0	3.3
100	OVP1	X	6.115	1
101	OVP1	Z	-3.531	1
102	OVP1	Mx	0	1
103	OVP2	X	6.115	1
104	OVP2	Z	-3.531	1
105	OVP2	Mx	0	1

Member Point Loads (BLC 30 : Antenna Wm (90 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.702	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	-.001	.5
4	MP2A	X	2.702	2.5
5	MP2A	Z	0	2.5
6	MP2A	Mx	-.001	2.5
7	MP2B	X	4.971	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	0	.5
10	MP2B	X	4.971	2.5
11	MP2B	Z	0	2.5
12	MP2B	Mx	0	2.5
13	MP2C	X	3.196	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	.001	.5
16	MP2C	X	3.196	2.5
17	MP2C	Z	0	2.5
18	MP2C	Mx	.001	2.5
19	MP4A	X	5.141	.5
20	MP4A	Z	0	.5
21	MP4A	Mx	-.002	.5
22	MP4A	X	5.141	4.5
23	MP4A	Z	0	4.5
24	MP4A	Mx	-.002	4.5
25	MP4B	X	6.092	.5
26	MP4B	Z	0	.5
27	MP4B	Mx	0	.5
28	MP4B	X	6.092	4.5
29	MP4B	Z	0	4.5
30	MP4B	Mx	0	4.5
31	MP4C	X	5.141	.5
32	MP4C	Z	0	.5
33	MP4C	Mx	.002	.5
34	MP4C	X	5.141	4.5
35	MP4C	Z	0	4.5
36	MP4C	Mx	.002	4.5
37	MP1A	X	6.438	.5

Member Point Loads (BLC 30 : Antenna Wm (90 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP1A	Z	0	.5
39	MP1A	Mx	-.000642	.5
40	MP1A	X	6.438	4.5
41	MP1A	Z	0	4.5
42	MP1A	Mx	-.000642	4.5
43	MP1B	X	8.631	.5
44	MP1B	Z	0	.5
45	MP1B	Mx	-.006	.5
46	MP1B	X	8.631	4.5
47	MP1B	Z	0	4.5
48	MP1B	Mx	-.006	4.5
49	MP1C	X	6.915	.5
50	MP1C	Z	0	.5
51	MP1C	Mx	.006	.5
52	MP1C	X	6.915	4.5
53	MP1C	Z	0	4.5
54	MP1C	Mx	.006	4.5
55	MP1A	X	6.438	.5
56	MP1A	Z	0	.5
57	MP1A	Mx	-.005	.5
58	MP1A	X	6.438	4.5
59	MP1A	Z	0	4.5
60	MP1A	Mx	-.005	4.5
61	MP1B	X	8.631	.5
62	MP1B	Z	0	.5
63	MP1B	Mx	.006	.5
64	MP1B	X	8.631	4.5
65	MP1B	Z	0	4.5
66	MP1B	Mx	.006	4.5
67	MP1C	X	6.915	.5
68	MP1C	Z	0	.5
69	MP1C	Mx	-.000315	.5
70	MP1C	X	6.915	4.5
71	MP1C	Z	0	4.5
72	MP1C	Mx	-.000315	4.5
73	MP2A	X	.748	5
74	MP2A	Z	0	5
75	MP2A	Mx	-.000324	5
76	MP2B	X	1.883	5
77	MP2B	Z	0	5
78	MP2B	Mx	0	5
79	MP2C	X	.995	5
80	MP2C	Z	0	5
81	MP2C	Mx	.000381	5
82	MP1A	X	2.644	3.3
83	MP1A	Z	0	3.3
84	MP1A	Mx	-.001	3.3
85	MP1B	X	3.628	3.3
86	MP1B	Z	0	3.3
87	MP1B	Mx	.000907	3.3
88	MP1C	X	3.628	3.3
89	MP1C	Z	0	3.3

Member Point Loads (BLC 30 : Antenna Wm (90 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP1C	Mx	.000907	3.3
91	MP2A	X	2.142	3.3
92	MP2A	Z	0	3.3
93	MP2A	Mx	-.001	3.3
94	MP2B	X	3.502	3.3
95	MP2B	Z	0	3.3
96	MP2B	Mx	.000876	3.3
97	MP2C	X	3.502	3.3
98	MP2C	Z	0	3.3
99	MP2C	Mx	.000876	3.3
100	OVP1	X	8.079	1
101	OVP1	Z	0	1
102	OVP1	Mx	0	1
103	OVP2	X	8.079	1
104	OVP2	Z	0	1
105	OVP2	Mx	0	1

Member Point Loads (BLC 31 : Antenna Wm (120 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	3.65	.5
2	MP2A	Z	2.107	.5
3	MP2A	Mx	-.001	.5
4	MP2A	X	3.65	2.5
5	MP2A	Z	2.107	2.5
6	MP2A	Mx	-.001	2.5
7	MP2B	X	3.65	.5
8	MP2B	Z	2.107	.5
9	MP2B	Mx	-.001	.5
10	MP2B	X	3.65	2.5
11	MP2B	Z	2.107	2.5
12	MP2B	Mx	-.001	2.5
13	MP2C	X	1.764	.5
14	MP2C	Z	1.019	.5
15	MP2C	Mx	.001	.5
16	MP2C	X	1.764	2.5
17	MP2C	Z	1.019	2.5
18	MP2C	Mx	.001	2.5
19	MP4A	X	5.001	.5
20	MP4A	Z	2.888	.5
21	MP4A	Mx	-.001	.5
22	MP4A	X	5.001	4.5
23	MP4A	Z	2.888	4.5
24	MP4A	Mx	-.001	4.5
25	MP4B	X	5.001	.5
26	MP4B	Z	2.888	.5
27	MP4B	Mx	-.001	.5
28	MP4B	X	5.001	4.5
29	MP4B	Z	2.888	4.5
30	MP4B	Mx	-.001	4.5
31	MP4C	X	4.178	.5
32	MP4C	Z	2.412	.5

Member Point Loads (BLC 31 : Antenna Wm (120 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP4C	Mx	.002	.5
34	MP4C	X	4.178	4.5
35	MP4C	Z	2.412	4.5
36	MP4C	Mx	.002	4.5
37	MP1A	X	6.842	.5
38	MP1A	Z	3.95	.5
39	MP1A	Mx	.003	.5
40	MP1A	X	6.842	4.5
41	MP1A	Z	3.95	4.5
42	MP1A	Mx	.003	4.5
43	MP1B	X	6.842	.5
44	MP1B	Z	3.95	.5
45	MP1B	Mx	-.007	.5
46	MP1B	X	6.842	4.5
47	MP1B	Z	3.95	4.5
48	MP1B	Mx	-.007	4.5
49	MP1C	X	5.019	.5
50	MP1C	Z	2.898	.5
51	MP1C	Mx	.004	.5
52	MP1C	X	5.019	4.5
53	MP1C	Z	2.898	4.5
54	MP1C	Mx	.004	4.5
55	MP1A	X	6.842	.5
56	MP1A	Z	3.95	.5
57	MP1A	Mx	-.007	.5
58	MP1A	X	6.842	4.5
59	MP1A	Z	3.95	4.5
60	MP1A	Mx	-.007	4.5
61	MP1B	X	6.842	.5
62	MP1B	Z	3.95	.5
63	MP1B	Mx	.003	.5
64	MP1B	X	6.842	4.5
65	MP1B	Z	3.95	4.5
66	MP1B	Mx	.003	4.5
67	MP1C	X	5.019	.5
68	MP1C	Z	2.898	.5
69	MP1C	Mx	.002	.5
70	MP1C	X	5.019	4.5
71	MP1C	Z	2.898	4.5
72	MP1C	Mx	.002	4.5
73	MP2A	X	1.303	5
74	MP2A	Z	.752	5
75	MP2A	Mx	-.000376	5
76	MP2B	X	1.303	5
77	MP2B	Z	.752	5
78	MP2B	Mx	-.000376	5
79	MP2C	X	.359	5
80	MP2C	Z	.207	5
81	MP2C	Mx	.000204	5
82	MP1A	X	2.574	3.3
83	MP1A	Z	1.486	3.3
84	MP1A	Mx	-.001	3.3

Member Point Loads (BLC 31 : Antenna Wm (120 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP1B	X	3.426	3.3
86	MP1B	Z	1.978	3.3
87	MP1B	Mx	0	3.3
88	MP1C	X	2.574	3.3
89	MP1C	Z	1.486	3.3
90	MP1C	Mx	.001	3.3
91	MP2A	X	2.248	3.3
92	MP2A	Z	1.298	3.3
93	MP2A	Mx	-.001	3.3
94	MP2B	X	3.426	3.3
95	MP2B	Z	1.978	3.3
96	MP2B	Mx	0	3.3
97	MP2C	X	2.248	3.3
98	MP2C	Z	1.298	3.3
99	MP2C	Mx	.001	3.3
100	OVP1	X	7.438	1
101	OVP1	Z	4.294	1
102	OVP1	Mx	0	1
103	OVP2	X	7.438	1
104	OVP2	Z	4.294	1
105	OVP2	Mx	0	1

Member Point Loads (BLC 32 : Antenna Wm (150 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.486	.5
2	MP2A	Z	4.305	.5
3	MP2A	Mx	0	.5
4	MP2A	X	2.486	2.5
5	MP2A	Z	4.305	2.5
6	MP2A	Mx	0	2.5
7	MP2B	X	1.351	.5
8	MP2B	Z	2.34	.5
9	MP2B	Mx	-.001	.5
10	MP2B	X	1.351	2.5
11	MP2B	Z	2.34	2.5
12	MP2B	Mx	-.001	2.5
13	MP2C	X	1.15	.5
14	MP2C	Z	1.992	.5
15	MP2C	Mx	.001	.5
16	MP2C	X	1.15	2.5
17	MP2C	Z	1.992	2.5
18	MP2C	Mx	.001	2.5
19	MP4A	X	3.046	.5
20	MP4A	Z	5.276	.5
21	MP4A	Mx	0	.5
22	MP4A	X	3.046	4.5
23	MP4A	Z	5.276	4.5
24	MP4A	Mx	0	4.5
25	MP4B	X	2.57	.5
26	MP4B	Z	4.452	.5
27	MP4B	Mx	-.002	.5

Member Point Loads (BLC 32 : Antenna Wm (150 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP4B	X	2.57	4.5
29	MP4B	Z	4.452	4.5
30	MP4B	Mx	-.002	4.5
31	MP4C	X	2.57	.5
32	MP4C	Z	4.452	.5
33	MP4C	Mx	.002	.5
34	MP4C	X	2.57	4.5
35	MP4C	Z	4.452	4.5
36	MP4C	Mx	.002	4.5
37	MP1A	X	4.315	.5
38	MP1A	Z	7.474	.5
39	MP1A	Mx	.006	.5
40	MP1A	X	4.315	4.5
41	MP1A	Z	7.474	4.5
42	MP1A	Mx	.006	4.5
43	MP1B	X	3.219	.5
44	MP1B	Z	5.576	.5
45	MP1B	Mx	-.005	.5
46	MP1B	X	3.219	4.5
47	MP1B	Z	5.576	4.5
48	MP1B	Mx	-.005	4.5
49	MP1C	X	3.025	.5
50	MP1C	Z	5.239	.5
51	MP1C	Mx	.001	.5
52	MP1C	X	3.025	4.5
53	MP1C	Z	5.239	4.5
54	MP1C	Mx	.001	4.5
55	MP1A	X	4.315	.5
56	MP1A	Z	7.474	.5
57	MP1A	Mx	-.006	.5
58	MP1A	X	4.315	4.5
59	MP1A	Z	7.474	4.5
60	MP1A	Mx	-.006	4.5
61	MP1B	X	3.219	.5
62	MP1B	Z	5.576	.5
63	MP1B	Mx	-.000642	.5
64	MP1B	X	3.219	4.5
65	MP1B	Z	5.576	4.5
66	MP1B	Mx	-.000642	4.5
67	MP1C	X	3.025	.5
68	MP1C	Z	5.239	.5
69	MP1C	Mx	.004	.5
70	MP1C	X	3.025	4.5
71	MP1C	Z	5.239	4.5
72	MP1C	Mx	.004	4.5
73	MP2A	X	.941	5
74	MP2A	Z	1.63	5
75	MP2A	Mx	0	5
76	MP2B	X	.374	5
77	MP2B	Z	.647	5
78	MP2B	Mx	-.000324	5
79	MP2C	X	.273	5

Member Point Loads (BLC 32 : Antenna Wm (150 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP2C	Z	.473	5
81	MP2C	Mx	.000257	5
82	MP1A	X	1.814	3.3
83	MP1A	Z	3.142	3.3
84	MP1A	Mx	-.000907	3.3
85	MP1B	X	1.814	3.3
86	MP1B	Z	3.142	3.3
87	MP1B	Mx	-.000907	3.3
88	MP1C	X	1.322	3.3
89	MP1C	Z	2.29	3.3
90	MP1C	Mx	.001	3.3
91	MP2A	X	1.751	3.3
92	MP2A	Z	3.033	3.3
93	MP2A	Mx	-.000876	3.3
94	MP2B	X	1.751	3.3
95	MP2B	Z	3.033	3.3
96	MP2B	Mx	-.000876	3.3
97	MP2C	X	1.071	3.3
98	MP2C	Z	1.855	3.3
99	MP2C	Mx	.001	3.3
100	OVP1	X	4.04	1
101	OVP1	Z	6.997	1
102	OVP1	Mx	0	1
103	OVP2	X	4.04	1
104	OVP2	Z	6.997	1
105	OVP2	Mx	0	1

Member Point Loads (BLC 33 : Antenna Wm (180 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	4.215	.5
3	MP2A	Mx	.001	.5
4	MP2A	X	0	2.5
5	MP2A	Z	4.215	2.5
6	MP2A	Mx	.001	2.5
7	MP2B	X	0	.5
8	MP2B	Z	1.946	.5
9	MP2B	Mx	-.000973	.5
10	MP2B	X	0	2.5
11	MP2B	Z	1.946	2.5
12	MP2B	Mx	-.000973	2.5
13	MP2C	X	0	.5
14	MP2C	Z	3.721	.5
15	MP2C	Mx	.001	.5
16	MP2C	X	0	2.5
17	MP2C	Z	3.721	2.5
18	MP2C	Mx	.001	2.5
19	MP4A	X	0	.5
20	MP4A	Z	5.775	.5
21	MP4A	Mx	.001	.5
22	MP4A	X	0	4.5

Member Point Loads (BLC 33 : Antenna Wm (180 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP4A	Z	5.775	4.5
24	MP4A	Mx	.001	4.5
25	MP4B	X	0	.5
26	MP4B	Z	4.824	.5
27	MP4B	Mx	-.002	.5
28	MP4B	X	0	4.5
29	MP4B	Z	4.824	4.5
30	MP4B	Mx	-.002	4.5
31	MP4C	X	0	.5
32	MP4C	Z	5.775	.5
33	MP4C	Mx	.001	.5
34	MP4C	X	0	4.5
35	MP4C	Z	5.775	4.5
36	MP4C	Mx	.001	4.5
37	MP1A	X	0	.5
38	MP1A	Z	7.9	.5
39	MP1A	Mx	.007	.5
40	MP1A	X	0	4.5
41	MP1A	Z	7.9	4.5
42	MP1A	Mx	.007	4.5
43	MP1B	X	0	.5
44	MP1B	Z	5.708	.5
45	MP1B	Mx	-.003	.5
46	MP1B	X	0	4.5
47	MP1B	Z	5.708	4.5
48	MP1B	Mx	-.003	4.5
49	MP1C	X	0	.5
50	MP1C	Z	7.423	.5
51	MP1C	Mx	-.001	.5
52	MP1C	X	0	4.5
53	MP1C	Z	7.423	4.5
54	MP1C	Mx	-.001	4.5
55	MP1A	X	0	.5
56	MP1A	Z	7.9	.5
57	MP1A	Mx	-.003	.5
58	MP1A	X	0	4.5
59	MP1A	Z	7.9	4.5
60	MP1A	Mx	-.003	4.5
61	MP1B	X	0	.5
62	MP1B	Z	5.708	.5
63	MP1B	Mx	-.003	.5
64	MP1B	X	0	4.5
65	MP1B	Z	5.708	4.5
66	MP1B	Mx	-.003	4.5
67	MP1C	X	0	.5
68	MP1C	Z	7.423	.5
69	MP1C	Mx	.006	.5
70	MP1C	X	0	4.5
71	MP1C	Z	7.423	4.5
72	MP1C	Mx	.006	4.5
73	MP2A	X	0	5
74	MP2A	Z	1.504	5

Member Point Loads (BLC 33 : Antenna Wm (180 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP2A	Mx	.000376	5
76	MP2B	X	0	5
77	MP2B	Z	.369	5
78	MP2B	Mx	-.000184	5
79	MP2C	X	0	5
80	MP2C	Z	1.257	5
81	MP2C	Mx	.000404	5
82	MP1A	X	0	3.3
83	MP1A	Z	3.956	3.3
84	MP1A	Mx	0	3.3
85	MP1B	X	0	3.3
86	MP1B	Z	2.972	3.3
87	MP1B	Mx	-.001	3.3
88	MP1C	X	0	3.3
89	MP1C	Z	2.972	3.3
90	MP1C	Mx	.001	3.3
91	MP2A	X	0	3.3
92	MP2A	Z	3.956	3.3
93	MP2A	Mx	0	3.3
94	MP2B	X	0	3.3
95	MP2B	Z	2.595	3.3
96	MP2B	Mx	-.001	3.3
97	MP2C	X	0	3.3
98	MP2C	Z	2.595	3.3
99	MP2C	Mx	.001	3.3
100	OVP1	X	0	1
101	OVP1	Z	7.061	1
102	OVP1	Mx	0	1
103	OVP2	X	0	1
104	OVP2	Z	7.061	1
105	OVP2	Mx	0	1

Member Point Loads (BLC 34 : Antenna Wm (210 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-1.351	.5
2	MP2A	Z	2.34	.5
3	MP2A	Mx	.001	.5
4	MP2A	X	-1.351	2.5
5	MP2A	Z	2.34	2.5
6	MP2A	Mx	.001	2.5
7	MP2B	X	-1.351	.5
8	MP2B	Z	2.34	.5
9	MP2B	Mx	-.001	.5
10	MP2B	X	-1.351	2.5
11	MP2B	Z	2.34	2.5
12	MP2B	Mx	-.001	2.5
13	MP2C	X	-2.44	.5
14	MP2C	Z	4.226	.5
15	MP2C	Mx	.000424	.5
16	MP2C	X	-2.44	2.5
17	MP2C	Z	4.226	2.5

Member Point Loads (BLC 34 : Antenna Wm (210 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2C	Mx	.000424	2.5
19	MP4A	X	-2.57	.5
20	MP4A	Z	4.452	.5
21	MP4A	Mx	.002	.5
22	MP4A	X	-2.57	4.5
23	MP4A	Z	4.452	4.5
24	MP4A	Mx	.002	4.5
25	MP4B	X	-2.57	.5
26	MP4B	Z	4.452	.5
27	MP4B	Mx	-.002	.5
28	MP4B	X	-2.57	4.5
29	MP4B	Z	4.452	4.5
30	MP4B	Mx	-.002	4.5
31	MP4C	X	-3.046	.5
32	MP4C	Z	5.276	.5
33	MP4C	Mx	0	.5
34	MP4C	X	-3.046	4.5
35	MP4C	Z	5.276	4.5
36	MP4C	Mx	0	4.5
37	MP1A	X	-3.219	.5
38	MP1A	Z	5.576	.5
39	MP1A	Mx	.005	.5
40	MP1A	X	-3.219	4.5
41	MP1A	Z	5.576	4.5
42	MP1A	Mx	.005	4.5
43	MP1B	X	-3.219	.5
44	MP1B	Z	5.576	.5
45	MP1B	Mx	-.000642	.5
46	MP1B	X	-3.219	4.5
47	MP1B	Z	5.576	4.5
48	MP1B	Mx	-.000642	4.5
49	MP1C	X	-4.271	.5
50	MP1C	Z	7.398	.5
51	MP1C	Mx	-.005	.5
52	MP1C	X	-4.271	4.5
53	MP1C	Z	7.398	4.5
54	MP1C	Mx	-.005	4.5
55	MP1A	X	-3.219	.5
56	MP1A	Z	5.576	.5
57	MP1A	Mx	.000642	.5
58	MP1A	X	-3.219	4.5
59	MP1A	Z	5.576	4.5
60	MP1A	Mx	.000642	4.5
61	MP1B	X	-3.219	.5
62	MP1B	Z	5.576	.5
63	MP1B	Mx	-.005	.5
64	MP1B	X	-3.219	4.5
65	MP1B	Z	5.576	4.5
66	MP1B	Mx	-.005	4.5
67	MP1C	X	-4.271	.5
68	MP1C	Z	7.398	.5
69	MP1C	Mx	.006	.5

Member Point Loads (BLC 34 : Antenna Wm (210 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP1C	X	-4.271	4.5
71	MP1C	Z	7.398	4.5
72	MP1C	Mx	.006	4.5
73	MP2A	X	-.374	5
74	MP2A	Z	.647	5
75	MP2A	Mx	.000324	5
76	MP2B	X	-.374	5
77	MP2B	Z	.647	5
78	MP2B	Mx	-.000324	5
79	MP2C	X	-.919	5
80	MP2C	Z	1.591	5
81	MP2C	Mx	.000159	5
82	MP1A	X	-1.814	3.3
83	MP1A	Z	3.142	3.3
84	MP1A	Mx	.000907	3.3
85	MP1B	X	-1.322	3.3
86	MP1B	Z	2.29	3.3
87	MP1B	Mx	-.001	3.3
88	MP1C	X	-1.814	3.3
89	MP1C	Z	3.142	3.3
90	MP1C	Mx	.000907	3.3
91	MP2A	X	-1.751	3.3
92	MP2A	Z	3.033	3.3
93	MP2A	Mx	.000876	3.3
94	MP2B	X	-1.071	3.3
95	MP2B	Z	1.855	3.3
96	MP2B	Mx	-.001	3.3
97	MP2C	X	-1.751	3.3
98	MP2C	Z	3.033	3.3
99	MP2C	Mx	.000876	3.3
100	OVP1	X	-3.276	1
101	OVP1	Z	5.675	1
102	OVP1	Mx	0	1
103	OVP2	X	-3.276	1
104	OVP2	Z	5.675	1
105	OVP2	Mx	0	1

Member Point Loads (BLC 35 : Antenna Wm (240 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-1.685	.5
2	MP2A	Z	.973	.5
3	MP2A	Mx	.000973	.5
4	MP2A	X	-1.685	2.5
5	MP2A	Z	.973	2.5
6	MP2A	Mx	.000973	2.5
7	MP2B	X	-3.65	.5
8	MP2B	Z	2.107	.5
9	MP2B	Mx	-.001	.5
10	MP2B	X	-3.65	2.5
11	MP2B	Z	2.107	2.5
12	MP2B	Mx	-.001	2.5

Member Point Loads (BLC 35 : Antenna Wm (240 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP2C	X	-3.999	.5
14	MP2C	Z	2.309	.5
15	MP2C	Mx	-.00079	.5
16	MP2C	X	-3.999	2.5
17	MP2C	Z	2.309	2.5
18	MP2C	Mx	-.00079	2.5
19	MP4A	X	-4.178	.5
20	MP4A	Z	2.412	.5
21	MP4A	Mx	.002	.5
22	MP4A	X	-4.178	4.5
23	MP4A	Z	2.412	4.5
24	MP4A	Mx	.002	4.5
25	MP4B	X	-5.001	.5
26	MP4B	Z	2.888	.5
27	MP4B	Mx	-.001	.5
28	MP4B	X	-5.001	4.5
29	MP4B	Z	2.888	4.5
30	MP4B	Mx	-.001	4.5
31	MP4C	X	-5.001	.5
32	MP4C	Z	2.888	.5
33	MP4C	Mx	-.001	.5
34	MP4C	X	-5.001	4.5
35	MP4C	Z	2.888	4.5
36	MP4C	Mx	-.001	4.5
37	MP1A	X	-4.943	.5
38	MP1A	Z	2.854	.5
39	MP1A	Mx	.003	.5
40	MP1A	X	-4.943	4.5
41	MP1A	Z	2.854	4.5
42	MP1A	Mx	.003	4.5
43	MP1B	X	-6.842	.5
44	MP1B	Z	3.95	.5
45	MP1B	Mx	.003	.5
46	MP1B	X	-6.842	4.5
47	MP1B	Z	3.95	4.5
48	MP1B	Mx	.003	4.5
49	MP1C	X	-7.178	.5
50	MP1C	Z	4.144	.5
51	MP1C	Mx	-.007	.5
52	MP1C	X	-7.178	4.5
53	MP1C	Z	4.144	4.5
54	MP1C	Mx	-.007	4.5
55	MP1A	X	-4.943	.5
56	MP1A	Z	2.854	.5
57	MP1A	Mx	.003	.5
58	MP1A	X	-4.943	4.5
59	MP1A	Z	2.854	4.5
60	MP1A	Mx	.003	4.5
61	MP1B	X	-6.842	.5
62	MP1B	Z	3.95	.5
63	MP1B	Mx	-.007	.5
64	MP1B	X	-6.842	4.5

Member Point Loads (BLC 35 : Antenna Wm (240 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP1B	Z	3.95	4.5
66	MP1B	Mx	-.007	4.5
67	MP1C	X	-7.178	.5
68	MP1C	Z	4.144	.5
69	MP1C	Mx	.004	.5
70	MP1C	X	-7.178	4.5
71	MP1C	Z	4.144	4.5
72	MP1C	Mx	.004	4.5
73	MP2A	X	-.32	5
74	MP2A	Z	.185	5
75	MP2A	Mx	.000185	5
76	MP2B	X	-1.303	5
77	MP2B	Z	.752	5
78	MP2B	Mx	-.000376	5
79	MP2C	X	-1.477	5
80	MP2C	Z	.853	5
81	MP2C	Mx	-.000292	5
82	MP1A	X	-2.574	3.3
83	MP1A	Z	1.486	3.3
84	MP1A	Mx	.001	3.3
85	MP1B	X	-2.574	3.3
86	MP1B	Z	1.486	3.3
87	MP1B	Mx	-.001	3.3
88	MP1C	X	-3.426	3.3
89	MP1C	Z	1.978	3.3
90	MP1C	Mx	0	3.3
91	MP2A	X	-2.248	3.3
92	MP2A	Z	1.298	3.3
93	MP2A	Mx	.001	3.3
94	MP2B	X	-2.248	3.3
95	MP2B	Z	1.298	3.3
96	MP2B	Mx	-.001	3.3
97	MP2C	X	-3.426	3.3
98	MP2C	Z	1.978	3.3
99	MP2C	Mx	0	3.3
100	OVP1	X	-6.115	1
101	OVP1	Z	3.531	1
102	OVP1	Mx	0	1
103	OVP2	X	-6.115	1
104	OVP2	Z	3.531	1
105	OVP2	Mx	0	1

Member Point Loads (BLC 36 : Antenna Wm (270 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.702	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	.001	.5
4	MP2A	X	-2.702	2.5
5	MP2A	Z	0	2.5
6	MP2A	Mx	.001	2.5
7	MP2B	X	-4.971	.5

Member Point Loads (BLC 36 : Antenna Wm (270 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP2B	Z	0	.5
9	MP2B	Mx	0	.5
10	MP2B	X	-4.971	2.5
11	MP2B	Z	0	2.5
12	MP2B	Mx	0	2.5
13	MP2C	X	-3.196	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	-.001	.5
16	MP2C	X	-3.196	2.5
17	MP2C	Z	0	2.5
18	MP2C	Mx	-.001	2.5
19	MP4A	X	-5.141	.5
20	MP4A	Z	0	.5
21	MP4A	Mx	.002	.5
22	MP4A	X	-5.141	4.5
23	MP4A	Z	0	4.5
24	MP4A	Mx	.002	4.5
25	MP4B	X	-6.092	.5
26	MP4B	Z	0	.5
27	MP4B	Mx	0	.5
28	MP4B	X	-6.092	4.5
29	MP4B	Z	0	4.5
30	MP4B	Mx	0	4.5
31	MP4C	X	-5.141	.5
32	MP4C	Z	0	.5
33	MP4C	Mx	-.002	.5
34	MP4C	X	-5.141	4.5
35	MP4C	Z	0	4.5
36	MP4C	Mx	-.002	4.5
37	MP1A	X	-6.438	.5
38	MP1A	Z	0	.5
39	MP1A	Mx	.000642	.5
40	MP1A	X	-6.438	4.5
41	MP1A	Z	0	4.5
42	MP1A	Mx	.000642	4.5
43	MP1B	X	-8.631	.5
44	MP1B	Z	0	.5
45	MP1B	Mx	.006	.5
46	MP1B	X	-8.631	4.5
47	MP1B	Z	0	4.5
48	MP1B	Mx	.006	4.5
49	MP1C	X	-6.915	.5
50	MP1C	Z	0	.5
51	MP1C	Mx	-.006	.5
52	MP1C	X	-6.915	4.5
53	MP1C	Z	0	4.5
54	MP1C	Mx	-.006	4.5
55	MP1A	X	-6.438	.5
56	MP1A	Z	0	.5
57	MP1A	Mx	.005	.5
58	MP1A	X	-6.438	4.5
59	MP1A	Z	0	4.5

Member Point Loads (BLC 36 : Antenna Wm (270 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1A	Mx	.005	4.5
61	MP1B	X	-8.631	.5
62	MP1B	Z	0	.5
63	MP1B	Mx	-.006	.5
64	MP1B	X	-8.631	4.5
65	MP1B	Z	0	4.5
66	MP1B	Mx	-.006	4.5
67	MP1C	X	-6.915	.5
68	MP1C	Z	0	.5
69	MP1C	Mx	.000315	.5
70	MP1C	X	-6.915	4.5
71	MP1C	Z	0	4.5
72	MP1C	Mx	.000315	4.5
73	MP2A	X	-.748	5
74	MP2A	Z	0	5
75	MP2A	Mx	.000324	5
76	MP2B	X	-1.883	5
77	MP2B	Z	0	5
78	MP2B	Mx	0	5
79	MP2C	X	-.995	5
80	MP2C	Z	0	5
81	MP2C	Mx	-.000381	5
82	MP1A	X	-2.644	3.3
83	MP1A	Z	0	3.3
84	MP1A	Mx	.001	3.3
85	MP1B	X	-3.628	3.3
86	MP1B	Z	0	3.3
87	MP1B	Mx	-.000907	3.3
88	MP1C	X	-3.628	3.3
89	MP1C	Z	0	3.3
90	MP1C	Mx	-.000907	3.3
91	MP2A	X	-2.142	3.3
92	MP2A	Z	0	3.3
93	MP2A	Mx	.001	3.3
94	MP2B	X	-3.502	3.3
95	MP2B	Z	0	3.3
96	MP2B	Mx	-.000876	3.3
97	MP2C	X	-3.502	3.3
98	MP2C	Z	0	3.3
99	MP2C	Mx	-.000876	3.3
100	OVP1	X	-8.079	1
101	OVP1	Z	0	1
102	OVP1	Mx	0	1
103	OVP2	X	-8.079	1
104	OVP2	Z	0	1
105	OVP2	Mx	0	1

Member Point Loads (BLC 37 : Antenna Wm (300 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-3.65	.5
2	MP2A	Z	-2.107	.5

Member Point Loads (BLC 37 : Antenna Wm (300 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP2A	Mx	.001	.5
4	MP2A	X	-3.65	2.5
5	MP2A	Z	-2.107	2.5
6	MP2A	Mx	.001	2.5
7	MP2B	X	-3.65	.5
8	MP2B	Z	-2.107	.5
9	MP2B	Mx	.001	.5
10	MP2B	X	-3.65	2.5
11	MP2B	Z	-2.107	2.5
12	MP2B	Mx	.001	2.5
13	MP2C	X	-1.764	.5
14	MP2C	Z	-1.019	.5
15	MP2C	Mx	-.001	.5
16	MP2C	X	-1.764	2.5
17	MP2C	Z	-1.019	2.5
18	MP2C	Mx	-.001	2.5
19	MP4A	X	-5.001	.5
20	MP4A	Z	-2.888	.5
21	MP4A	Mx	.001	.5
22	MP4A	X	-5.001	4.5
23	MP4A	Z	-2.888	4.5
24	MP4A	Mx	.001	4.5
25	MP4B	X	-5.001	.5
26	MP4B	Z	-2.888	.5
27	MP4B	Mx	.001	.5
28	MP4B	X	-5.001	4.5
29	MP4B	Z	-2.888	4.5
30	MP4B	Mx	.001	4.5
31	MP4C	X	-4.178	.5
32	MP4C	Z	-2.412	.5
33	MP4C	Mx	-.002	.5
34	MP4C	X	-4.178	4.5
35	MP4C	Z	-2.412	4.5
36	MP4C	Mx	-.002	4.5
37	MP1A	X	-6.842	.5
38	MP1A	Z	-3.95	.5
39	MP1A	Mx	-.003	.5
40	MP1A	X	-6.842	4.5
41	MP1A	Z	-3.95	4.5
42	MP1A	Mx	-.003	4.5
43	MP1B	X	-6.842	.5
44	MP1B	Z	-3.95	.5
45	MP1B	Mx	.007	.5
46	MP1B	X	-6.842	4.5
47	MP1B	Z	-3.95	4.5
48	MP1B	Mx	.007	4.5
49	MP1C	X	-5.019	.5
50	MP1C	Z	-2.898	.5
51	MP1C	Mx	-.004	.5
52	MP1C	X	-5.019	4.5
53	MP1C	Z	-2.898	4.5
54	MP1C	Mx	-.004	4.5

Member Point Loads (BLC 37 : Antenna Wm (300 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
55	MP1A	X	-6.842	.5
56	MP1A	Z	-3.95	.5
57	MP1A	Mx	.007	.5
58	MP1A	X	-6.842	4.5
59	MP1A	Z	-3.95	4.5
60	MP1A	Mx	.007	4.5
61	MP1B	X	-6.842	.5
62	MP1B	Z	-3.95	.5
63	MP1B	Mx	-.003	.5
64	MP1B	X	-6.842	4.5
65	MP1B	Z	-3.95	4.5
66	MP1B	Mx	-.003	4.5
67	MP1C	X	-5.019	.5
68	MP1C	Z	-2.898	.5
69	MP1C	Mx	-.002	.5
70	MP1C	X	-5.019	4.5
71	MP1C	Z	-2.898	4.5
72	MP1C	Mx	-.002	4.5
73	MP2A	X	-1.303	5
74	MP2A	Z	-.752	5
75	MP2A	Mx	.000376	5
76	MP2B	X	-1.303	5
77	MP2B	Z	-.752	5
78	MP2B	Mx	.000376	5
79	MP2C	X	-.359	5
80	MP2C	Z	-.207	5
81	MP2C	Mx	-.000204	5
82	MP1A	X	-2.574	3.3
83	MP1A	Z	-1.486	3.3
84	MP1A	Mx	.001	3.3
85	MP1B	X	-3.426	3.3
86	MP1B	Z	-1.978	3.3
87	MP1B	Mx	0	3.3
88	MP1C	X	-2.574	3.3
89	MP1C	Z	-1.486	3.3
90	MP1C	Mx	-.001	3.3
91	MP2A	X	-2.248	3.3
92	MP2A	Z	-1.298	3.3
93	MP2A	Mx	.001	3.3
94	MP2B	X	-3.426	3.3
95	MP2B	Z	-1.978	3.3
96	MP2B	Mx	0	3.3
97	MP2C	X	-2.248	3.3
98	MP2C	Z	-1.298	3.3
99	MP2C	Mx	-.001	3.3
100	OVP1	X	-7.438	1
101	OVP1	Z	-4.294	1
102	OVP1	Mx	0	1
103	OVP2	X	-7.438	1
104	OVP2	Z	-4.294	1
105	OVP2	Mx	0	1

Member Point Loads (BLC 38 : Antenna Wm (330 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.486	.5
2	MP2A	Z	-4.305	.5
3	MP2A	Mx	0	.5
4	MP2A	X	-2.486	2.5
5	MP2A	Z	-4.305	2.5
6	MP2A	Mx	0	2.5
7	MP2B	X	-1.351	.5
8	MP2B	Z	-2.34	.5
9	MP2B	Mx	.001	.5
10	MP2B	X	-1.351	2.5
11	MP2B	Z	-2.34	2.5
12	MP2B	Mx	.001	2.5
13	MP2C	X	-1.15	.5
14	MP2C	Z	-1.992	.5
15	MP2C	Mx	-.001	.5
16	MP2C	X	-1.15	2.5
17	MP2C	Z	-1.992	2.5
18	MP2C	Mx	-.001	2.5
19	MP4A	X	-3.046	.5
20	MP4A	Z	-5.276	.5
21	MP4A	Mx	0	.5
22	MP4A	X	-3.046	4.5
23	MP4A	Z	-5.276	4.5
24	MP4A	Mx	0	4.5
25	MP4B	X	-2.57	.5
26	MP4B	Z	-4.452	.5
27	MP4B	Mx	.002	.5
28	MP4B	X	-2.57	4.5
29	MP4B	Z	-4.452	4.5
30	MP4B	Mx	.002	4.5
31	MP4C	X	-2.57	.5
32	MP4C	Z	-4.452	.5
33	MP4C	Mx	-.002	.5
34	MP4C	X	-2.57	4.5
35	MP4C	Z	-4.452	4.5
36	MP4C	Mx	-.002	4.5
37	MP1A	X	-4.315	.5
38	MP1A	Z	-7.474	.5
39	MP1A	Mx	-.006	.5
40	MP1A	X	-4.315	4.5
41	MP1A	Z	-7.474	4.5
42	MP1A	Mx	-.006	4.5
43	MP1B	X	-3.219	.5
44	MP1B	Z	-5.576	.5
45	MP1B	Mx	.005	.5
46	MP1B	X	-3.219	4.5
47	MP1B	Z	-5.576	4.5
48	MP1B	Mx	.005	4.5
49	MP1C	X	-3.025	.5
50	MP1C	Z	-5.239	.5
51	MP1C	Mx	-.001	.5
52	MP1C	X	-3.025	4.5

Member Point Loads (BLC 38 : Antenna Wm (330 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP1C	Z	-5.239	4.5
54	MP1C	Mx	-.001	4.5
55	MP1A	X	-4.315	.5
56	MP1A	Z	-7.474	.5
57	MP1A	Mx	.006	.5
58	MP1A	X	-4.315	4.5
59	MP1A	Z	-7.474	4.5
60	MP1A	Mx	.006	4.5
61	MP1B	X	-3.219	.5
62	MP1B	Z	-5.576	.5
63	MP1B	Mx	.000642	.5
64	MP1B	X	-3.219	4.5
65	MP1B	Z	-5.576	4.5
66	MP1B	Mx	.000642	4.5
67	MP1C	X	-3.025	.5
68	MP1C	Z	-5.239	.5
69	MP1C	Mx	-.004	.5
70	MP1C	X	-3.025	4.5
71	MP1C	Z	-5.239	4.5
72	MP1C	Mx	-.004	4.5
73	MP2A	X	-.941	5
74	MP2A	Z	-1.63	5
75	MP2A	Mx	0	5
76	MP2B	X	-.374	5
77	MP2B	Z	-.647	5
78	MP2B	Mx	.000324	5
79	MP2C	X	-.273	5
80	MP2C	Z	-.473	5
81	MP2C	Mx	-.000257	5
82	MP1A	X	-1.814	3.3
83	MP1A	Z	-3.142	3.3
84	MP1A	Mx	.000907	3.3
85	MP1B	X	-1.814	3.3
86	MP1B	Z	-3.142	3.3
87	MP1B	Mx	.000907	3.3
88	MP1C	X	-1.322	3.3
89	MP1C	Z	-2.29	3.3
90	MP1C	Mx	-.001	3.3
91	MP2A	X	-1.751	3.3
92	MP2A	Z	-3.033	3.3
93	MP2A	Mx	.000876	3.3
94	MP2B	X	-1.751	3.3
95	MP2B	Z	-3.033	3.3
96	MP2B	Mx	.000876	3.3
97	MP2C	X	-1.071	3.3
98	MP2C	Z	-1.855	3.3
99	MP2C	Mx	-.001	3.3
100	OVP1	X	-4.04	1
101	OVP1	Z	-6.997	1
102	OVP1	Mx	0	1
103	OVP2	X	-4.04	1
104	OVP2	Z	-6.997	1

Member Point Loads (BLC 38 : Antenna Wm (330 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	OVP2	Mx	0	1

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	LM1	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	LM2	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	LV	Y	-250	%100

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	LV	Y	-250	%50

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-.92	.5
2	MP2A	My	-.000398	.5
3	MP2A	Mz	.00023	.5
4	MP2A	Y	-.92	2.5
5	MP2A	My	-.000398	2.5
6	MP2A	Mz	.00023	2.5
7	MP2B	Y	-.92	.5
8	MP2B	My	0	.5
9	MP2B	Mz	-.00046	.5
10	MP2B	Y	-.92	2.5
11	MP2B	My	0	2.5
12	MP2B	Mz	-.00046	2.5
13	MP2C	Y	-.92	.5
14	MP2C	My	.000352	.5
15	MP2C	Mz	.000296	.5
16	MP2C	Y	-.92	2.5
17	MP2C	My	.000352	2.5
18	MP2C	Mz	.000296	2.5
19	MP4A	Y	-.19	.5
20	MP4A	My	-8.2e-5	.5
21	MP4A	Mz	4.8e-5	.5
22	MP4A	Y	-.19	4.5
23	MP4A	My	-8.2e-5	4.5
24	MP4A	Mz	4.8e-5	4.5
25	MP4B	Y	-.19	.5
26	MP4B	My	0	.5
27	MP4B	Mz	-9.5e-5	.5
28	MP4B	Y	-.19	4.5
29	MP4B	My	0	4.5

Member Point Loads (BLC 81 : Antenna Ev) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP4B	Mz	-9.5e-5	4.5
31	MP4C	Y	-.19	.5
32	MP4C	My	8.2e-5	.5
33	MP4C	Mz	4.8e-5	.5
34	MP4C	Y	-.19	4.5
35	MP4C	My	8.2e-5	4.5
36	MP4C	Mz	4.8e-5	4.5
37	MP1A	Y	-.422	.5
38	MP1A	My	-4.2e-5	.5
39	MP1A	Mz	.000349	.5
40	MP1A	Y	-.422	4.5
41	MP1A	My	-4.2e-5	4.5
42	MP1A	Mz	.000349	4.5
43	MP1B	Y	-.422	.5
44	MP1B	My	-.000282	.5
45	MP1B	Mz	-.000211	.5
46	MP1B	Y	-.422	4.5
47	MP1B	My	-.000282	4.5
48	MP1B	Mz	-.000211	4.5
49	MP1C	Y	-.422	.5
50	MP1C	My	.000343	.5
51	MP1C	Mz	-8e-5	.5
52	MP1C	Y	-.422	4.5
53	MP1C	My	.000343	4.5
54	MP1C	Mz	-8e-5	4.5
55	MP1A	Y	-.422	.5
56	MP1A	My	-.000324	.5
57	MP1A	Mz	-.000138	.5
58	MP1A	Y	-.422	4.5
59	MP1A	My	-.000324	4.5
60	MP1A	Mz	-.000138	4.5
61	MP1B	Y	-.422	.5
62	MP1B	My	.000282	.5
63	MP1B	Mz	-.000211	.5
64	MP1B	Y	-.422	4.5
65	MP1B	My	.000282	4.5
66	MP1B	Mz	-.000211	4.5
67	MP1C	Y	-.422	.5
68	MP1C	My	-1.9e-5	.5
69	MP1C	Mz	.000351	.5
70	MP1C	Y	-.422	4.5
71	MP1C	My	-1.9e-5	4.5
72	MP1C	Mz	.000351	4.5
73	MP2A	Y	-.093	5
74	MP2A	My	-4e-5	5
75	MP2A	Mz	2.3e-5	5
76	MP2B	Y	-.093	5
77	MP2B	My	0	5
78	MP2B	Mz	-4.6e-5	5
79	MP2C	Y	-.093	5
80	MP2C	My	3.6e-5	5
81	MP2C	Mz	3e-5	5

Member Point Loads (BLC 81 : Antenna Ev) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP1A	Y	-1.783	3.3
83	MP1A	My	-.000891	3.3
84	MP1A	Mz	0	3.3
85	MP1B	Y	-1.783	3.3
86	MP1B	My	.000446	3.3
87	MP1B	Mz	-.000772	3.3
88	MP1C	Y	-1.783	3.3
89	MP1C	My	.000446	3.3
90	MP1C	Mz	.000772	3.3
91	MP2A	Y	-1.485	3.3
92	MP2A	My	-.000742	3.3
93	MP2A	Mz	0	3.3
94	MP2B	Y	-1.485	3.3
95	MP2B	My	.000371	3.3
96	MP2B	Mz	-.000643	3.3
97	MP2C	Y	-1.485	3.3
98	MP2C	My	.000371	3.3
99	MP2C	Mz	.000643	3.3
100	OVP1	Y	-.676	1
101	OVP1	My	0	1
102	OVP1	Mz	0	1
103	OVP2	Y	-.676	1
104	OVP2	My	0	1
105	OVP2	Mz	0	1

Member Point Loads (BLC 82 : Antenna Eh (0 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Z	-2.299	.5
2	MP2A	Mx	-.000575	.5
3	MP2A	Z	-2.299	2.5
4	MP2A	Mx	-.000575	2.5
5	MP2B	Z	-2.299	.5
6	MP2B	Mx	.001	.5
7	MP2B	Z	-2.299	2.5
8	MP2B	Mx	.001	2.5
9	MP2C	Z	-2.299	.5
10	MP2C	Mx	-.000739	.5
11	MP2C	Z	-2.299	2.5
12	MP2C	Mx	-.000739	2.5
13	MP4A	Z	-.475	.5
14	MP4A	Mx	-.000119	.5
15	MP4A	Z	-.475	4.5
16	MP4A	Mx	-.000119	4.5
17	MP4B	Z	-.475	.5
18	MP4B	Mx	.000238	.5
19	MP4B	Z	-.475	4.5
20	MP4B	Mx	.000238	4.5
21	MP4C	Z	-.475	.5
22	MP4C	Mx	-.000119	.5
23	MP4C	Z	-.475	4.5
24	MP4C	Mx	-.000119	4.5

Member Point Loads (BLC 82 : Antenna Eh (0 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP1A	Z	-1.056	.5
26	MP1A	Mx	-.000874	.5
27	MP1A	Z	-1.056	4.5
28	MP1A	Mx	-.000874	4.5
29	MP1B	Z	-1.056	.5
30	MP1B	Mx	.000528	.5
31	MP1B	Z	-1.056	4.5
32	MP1B	Mx	.000528	4.5
33	MP1C	Z	-1.056	.5
34	MP1C	Mx	.0002	.5
35	MP1C	Z	-1.056	4.5
36	MP1C	Mx	.0002	4.5
37	MP1A	Z	-1.056	.5
38	MP1A	Mx	.000346	.5
39	MP1A	Z	-1.056	4.5
40	MP1A	Mx	.000346	4.5
41	MP1B	Z	-1.056	.5
42	MP1B	Mx	.000528	.5
43	MP1B	Z	-1.056	4.5
44	MP1B	Mx	.000528	4.5
45	MP1C	Z	-1.056	.5
46	MP1C	Mx	-.000879	.5
47	MP1C	Z	-1.056	4.5
48	MP1C	Mx	-.000879	4.5
49	MP2A	Z	-.232	5
50	MP2A	Mx	-5.8e-5	5
51	MP2B	Z	-.232	5
52	MP2B	Mx	.000116	5
53	MP2C	Z	-.232	5
54	MP2C	Mx	-7.5e-5	5
55	MP1A	Z	-4.456	3.3
56	MP1A	Mx	0	3.3
57	MP1B	Z	-4.456	3.3
58	MP1B	Mx	.002	3.3
59	MP1C	Z	-4.456	3.3
60	MP1C	Mx	-.002	3.3
61	MP2A	Z	-3.712	3.3
62	MP2A	Mx	0	3.3
63	MP2B	Z	-3.712	3.3
64	MP2B	Mx	.002	3.3
65	MP2C	Z	-3.712	3.3
66	MP2C	Mx	-.002	3.3
67	OVP1	Z	-1.69	1
68	OVP1	Mx	0	1
69	OVP2	Z	-1.69	1
70	OVP2	Mx	0	1

Member Point Loads (BLC 83 : Antenna Eh (90 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.299	.5
2	MP2A	Mx	-.000996	.5

Member Point Loads (BLC 83 : Antenna Eh (90 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP2A	X	2.299	2.5
4	MP2A	Mx	-.000996	2.5
5	MP2B	X	2.299	.5
6	MP2B	Mx	0	.5
7	MP2B	X	2.299	2.5
8	MP2B	Mx	0	2.5
9	MP2C	X	2.299	.5
10	MP2C	Mx	.000881	.5
11	MP2C	X	2.299	2.5
12	MP2C	Mx	.000881	2.5
13	MP4A	X	.475	.5
14	MP4A	Mx	-.000206	.5
15	MP4A	X	.475	4.5
16	MP4A	Mx	-.000206	4.5
17	MP4B	X	.475	.5
18	MP4B	Mx	0	.5
19	MP4B	X	.475	4.5
20	MP4B	Mx	0	4.5
21	MP4C	X	.475	.5
22	MP4C	Mx	.000206	.5
23	MP4C	X	.475	4.5
24	MP4C	Mx	.000206	4.5
25	MP1A	X	1.056	.5
26	MP1A	Mx	-.000105	.5
27	MP1A	X	1.056	4.5
28	MP1A	Mx	-.000105	4.5
29	MP1B	X	1.056	.5
30	MP1B	Mx	-.000704	.5
31	MP1B	X	1.056	4.5
32	MP1B	Mx	-.000704	4.5
33	MP1C	X	1.056	.5
34	MP1C	Mx	.000857	.5
35	MP1C	X	1.056	4.5
36	MP1C	Mx	.000857	4.5
37	MP1A	X	1.056	.5
38	MP1A	Mx	-.000809	.5
39	MP1A	X	1.056	4.5
40	MP1A	Mx	-.000809	4.5
41	MP1B	X	1.056	.5
42	MP1B	Mx	.000704	.5
43	MP1B	X	1.056	4.5
44	MP1B	Mx	.000704	4.5
45	MP1C	X	1.056	.5
46	MP1C	Mx	-4.8e-5	.5
47	MP1C	X	1.056	4.5
48	MP1C	Mx	-4.8e-5	4.5
49	MP2A	X	.232	5
50	MP2A	Mx	-.000101	5
51	MP2B	X	.232	5
52	MP2B	Mx	0	5
53	MP2C	X	.232	5
54	MP2C	Mx	8.9e-5	5

Member Point Loads (BLC 83 : Antenna Eh (90 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
55	MP1A	X	4.456	3.3
56	MP1A	Mx	-.002	3.3
57	MP1B	X	4.456	3.3
58	MP1B	Mx	.001	3.3
59	MP1C	X	4.456	3.3
60	MP1C	Mx	.001	3.3
61	MP2A	X	3.712	3.3
62	MP2A	Mx	-.002	3.3
63	MP2B	X	3.712	3.3
64	MP2B	Mx	.000928	3.3
65	MP2C	X	3.712	3.3
66	MP2C	Mx	.000928	3.3
67	OVP1	X	1.69	1
68	OVP1	Mx	0	1
69	OVP2	X	1.69	1
70	OVP2	Mx	0	1

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	LV	Y	-11.066	-11.066	0	%100
2	M72A	Y	-15.628	-15.628	0	%100
3	M75	Y	-16.398	-16.398	0	%100
4	M78	Y	-9.645	-9.645	0	%100
5	M79	Y	-9.645	-9.645	0	%100
6	M87A	Y	-16.398	-16.398	0	%100
7	M92	Y	-16.398	-16.398	0	%100
8	MP4A	Y	-8.686	-8.686	0	%100
9	MP3A	Y	-8.686	-8.686	0	%100
10	MP2A	Y	-8.686	-8.686	0	%100
11	MP1A	Y	-8.686	-8.686	0	%100
12	M37	Y	-8.686	-8.686	0	%100
13	M37A	Y	-15.628	-15.628	0	%100
14	M38	Y	-15.628	-15.628	0	%100
15	M43	Y	-16.378	-16.378	0	%100
16	M44	Y	-16.378	-16.378	0	%100
17	M46	Y	-16.378	-16.378	0	%100
18	M47	Y	-16.378	-16.378	0	%100
19	M37B	Y	-11.066	-11.066	0	%100
20	M38A	Y	-15.628	-15.628	0	%100
21	M39A	Y	-16.398	-16.398	0	%100
22	M40A	Y	-9.645	-9.645	0	%100
23	M41A	Y	-9.645	-9.645	0	%100
24	M44A	Y	-16.398	-16.398	0	%100
25	M46A	Y	-16.398	-16.398	0	%100
26	MP4C	Y	-8.686	-8.686	0	%100
27	MP3C	Y	-8.686	-8.686	0	%100
28	MP2C	Y	-8.686	-8.686	0	%100
29	MP1C	Y	-8.686	-8.686	0	%100
30	M60	Y	-8.686	-8.686	0	%100
31	M61	Y	-15.628	-15.628	0	%100

Member Distributed Loads (BLC 40 : Structure Di) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
32	M62	Y	-15.628	-15.628	0	%100
33	M67	Y	-16.378	-16.378	0	%100
34	M68	Y	-16.378	-16.378	0	%100
35	M70	Y	-16.378	-16.378	0	%100
36	M71	Y	-16.378	-16.378	0	%100
37	M73	Y	-11.066	-11.066	0	%100
38	M74	Y	-15.628	-15.628	0	%100
39	M75B	Y	-16.398	-16.398	0	%100
40	M76	Y	-9.645	-9.645	0	%100
41	M77	Y	-9.645	-9.645	0	%100
42	M80B	Y	-16.398	-16.398	0	%100
43	M82	Y	-16.398	-16.398	0	%100
44	MP4B	Y	-8.686	-8.686	0	%100
45	MP3B	Y	-8.686	-8.686	0	%100
46	MP2B	Y	-8.686	-8.686	0	%100
47	MP1B	Y	-8.686	-8.686	0	%100
48	M96	Y	-8.686	-8.686	0	%100
49	M97	Y	-15.628	-15.628	0	%100
50	M98	Y	-15.628	-15.628	0	%100
51	M103	Y	-16.378	-16.378	0	%100
52	M104	Y	-16.378	-16.378	0	%100
53	M106	Y	-16.378	-16.378	0	%100
54	M107	Y	-16.378	-16.378	0	%100
55	OVP1	Y	-8.686	-8.686	0	%100
56	OVP2	Y	-8.686	-8.686	0	%100
57	M119	Y	-11.141	-11.141	0	%100
58	M120	Y	-11.141	-11.141	0	%100
59	M121	Y	-11.141	-11.141	0	%100
60	M122	Y	-8.686	-8.686	0	%100
61	M123	Y	-8.686	-8.686	0	%100
62	M124	Y	-8.686	-8.686	0	%100

Member Distributed Loads (BLC 41 : Structure Wo (0 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	LV	X	0	0	0	%100
2	LV	Z	-11.07	-11.07	0	%100
3	M72A	X	0	0	0	%100
4	M72A	Z	0	0	0	%100
5	M75	X	0	0	0	%100
6	M75	Z	-18.976	-18.976	0	%100
7	M78	X	0	0	0	%100
8	M78	Z	-2.594	-2.594	0	%100
9	M79	X	0	0	0	%100
10	M79	Z	-2.594	-2.594	0	%100
11	M87A	X	0	0	0	%100
12	M87A	Z	-5.008	-5.008	0	%100
13	M92	X	0	0	0	%100
14	M92	Z	-5.008	-5.008	0	%100
15	MP4A	X	0	0	0	%100
16	MP4A	Z	-7.512	-7.512	0	%100
17	MP3A	X	0	0	0	%100

Member Distributed Loads (BLC 41 : Structure Wo (0 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
18	MP3A	Z	-7.512	-7.512	0	%100
19	MP2A	X	0	0	0	%100
20	MP2A	Z	-7.512	-7.512	0	%100
21	MP1A	X	0	0	0	%100
22	MP1A	Z	-7.512	-7.512	0	%100
23	M37	X	0	0	0	%100
24	M37	Z	-7.512	-7.512	0	%100
25	M37A	X	0	0	0	%100
26	M37A	Z	-10.362	-10.362	0	%100
27	M38	X	0	0	0	%100
28	M38	Z	-10.362	-10.362	0	%100
29	M43	X	0	0	0	%100
30	M43	Z	0	0	0	%100
31	M44	X	0	0	0	%100
32	M44	Z	-4.832	-4.832	0	%100
33	M46	X	0	0	0	%100
34	M46	Z	0	0	0	%100
35	M47	X	0	0	0	%100
36	M47	Z	-4.832	-4.832	0	%100
37	M37B	X	0	0	0	%100
38	M37B	Z	-2.767	-2.767	0	%100
39	M38A	X	0	0	0	%100
40	M38A	Z	-9.048	-9.048	0	%100
41	M39A	X	0	0	0	%100
42	M39A	Z	-4.744	-4.744	0	%100
43	M40A	X	0	0	0	%100
44	M40A	Z	-2.677	-2.677	0	%100
45	M41A	X	0	0	0	%100
46	M41A	Z	-10.542	-10.542	0	%100
47	M44A	X	0	0	0	%100
48	M44A	Z	-20.031	-20.031	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	-5.008	-5.008	0	%100
51	MP4C	X	0	0	0	%100
52	MP4C	Z	-7.512	-7.512	0	%100
53	MP3C	X	0	0	0	%100
54	MP3C	Z	-7.512	-7.512	0	%100
55	MP2C	X	0	0	0	%100
56	MP2C	Z	-7.512	-7.512	0	%100
57	MP1C	X	0	0	0	%100
58	MP1C	Z	-7.512	-7.512	0	%100
59	M60	X	0	0	0	%100
60	M60	Z	-1.878	-1.878	0	%100
61	M61	X	0	0	0	%100
62	M61	Z	-2.59	-2.59	0	%100
63	M62	X	0	0	0	%100
64	M62	Z	-2.59	-2.59	0	%100
65	M67	X	0	0	0	%100
66	M67	Z	-14.32	-14.32	0	%100
67	M68	X	0	0	0	%100
68	M68	Z	-19.328	-19.328	0	%100
69	M70	X	0	0	0	%100

Member Distributed Loads (BLC 41 : Structure Wo (0 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
70	M70	Z	-14.32	-14.32	0	%100
71	M71	X	0	0	0	%100
72	M71	Z	-4.832	-4.832	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	-2.767	-2.767	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	-9.048	-9.048	0	%100
77	M75B	X	0	0	0	%100
78	M75B	Z	-4.744	-4.744	0	%100
79	M76	X	0	0	0	%100
80	M76	Z	-10.542	-10.542	0	%100
81	M77	X	0	0	0	%100
82	M77	Z	-2.677	-2.677	0	%100
83	M80B	X	0	0	0	%100
84	M80B	Z	-5.008	-5.008	0	%100
85	M82	X	0	0	0	%100
86	M82	Z	-20.031	-20.031	0	%100
87	MP4B	X	0	0	0	%100
88	MP4B	Z	-7.512	-7.512	0	%100
89	MP3B	X	0	0	0	%100
90	MP3B	Z	-7.512	-7.512	0	%100
91	MP2B	X	0	0	0	%100
92	MP2B	Z	-7.512	-7.512	0	%100
93	MP1B	X	0	0	0	%100
94	MP1B	Z	-7.512	-7.512	0	%100
95	M96	X	0	0	0	%100
96	M96	Z	-1.878	-1.878	0	%100
97	M97	X	0	0	0	%100
98	M97	Z	-2.59	-2.59	0	%100
99	M98	X	0	0	0	%100
100	M98	Z	-2.59	-2.59	0	%100
101	M103	X	0	0	0	%100
102	M103	Z	-14.32	-14.32	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	-4.832	-4.832	0	%100
105	M106	X	0	0	0	%100
106	M106	Z	-14.32	-14.32	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	-19.328	-19.328	0	%100
109	OVP1	X	0	0	0	%100
110	OVP1	Z	-6.845	-6.845	0	%100
111	OVP2	X	0	0	0	%100
112	OVP2	Z	-6.845	-6.845	0	%100
113	M119	X	0	0	0	%100
114	M119	Z	-2.119	-2.119	0	%100
115	M120	X	0	0	0	%100
116	M120	Z	-2.119	-2.119	0	%100
117	M121	X	0	0	0	%100
118	M121	Z	-8.477	-8.477	0	%100
119	M122	X	0	0	0	%100
120	M122	Z	-7.512	-7.512	0	%100
121	M123	X	0	0	0	%100

Member Distributed Loads (BLC 41 : Structure Wo (0 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
122	M123	Z	-1.878	-1.878	0	%100
123	M124	X	0	0	0	%100
124	M124	Z	-1.878	-1.878	0	%100

Member Distributed Loads (BLC 42 : Structure Wo (30 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	LV	X	4.151	4.151	0	%100
2	LV	Z	-7.19	-7.19	0	%100
3	M72A	X	1.508	1.508	0	%100
4	M72A	Z	-2.612	-2.612	0	%100
5	M75	X	7.116	7.116	0	%100
6	M75	Z	-12.326	-12.326	0	%100
7	M78	X	3.933	3.933	0	%100
8	M78	Z	-6.811	-6.811	0	%100
9	M79	X	.000109	.000109	0	%100
10	M79	Z	-.000189	-.000189	0	%100
11	M87A	X	0	0	0	%100
12	M87A	Z	0	0	0	%100
13	M92	X	7.512	7.512	0	%100
14	M92	Z	-13.01	-13.01	0	%100
15	MP4A	X	3.756	3.756	0	%100
16	MP4A	Z	-6.505	-6.505	0	%100
17	MP3A	X	3.756	3.756	0	%100
18	MP3A	Z	-6.505	-6.505	0	%100
19	MP2A	X	3.756	3.756	0	%100
20	MP2A	Z	-6.505	-6.505	0	%100
21	MP1A	X	3.756	3.756	0	%100
22	MP1A	Z	-6.505	-6.505	0	%100
23	M37	X	2.817	2.817	0	%100
24	M37	Z	-4.879	-4.879	0	%100
25	M37A	X	3.886	3.886	0	%100
26	M37A	Z	-6.73	-6.73	0	%100
27	M38	X	3.886	3.886	0	%100
28	M38	Z	-6.73	-6.73	0	%100
29	M43	X	2.387	2.387	0	%100
30	M43	Z	-4.134	-4.134	0	%100
31	M44	X	0	0	0	%100
32	M44	Z	0	0	0	%100
33	M46	X	2.387	2.387	0	%100
34	M46	Z	-4.134	-4.134	0	%100
35	M47	X	7.248	7.248	0	%100
36	M47	Z	-12.554	-12.554	0	%100
37	M37B	X	4.151	4.151	0	%100
38	M37B	Z	-7.19	-7.19	0	%100
39	M38A	X	1.508	1.508	0	%100
40	M38A	Z	-2.612	-2.612	0	%100
41	M39A	X	7.116	7.116	0	%100
42	M39A	Z	-12.326	-12.326	0	%100
43	M40A	X	.000109	.000109	0	%100
44	M40A	Z	-.000189	-.000189	0	%100
45	M41A	X	3.933	3.933	0	%100

Member Distributed Loads (BLC 42 : Structure Wo (30 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	M41A	Z	-6.811	-6.811	0	%100
47	M44A	X	7.512	7.512	0	%100
48	M44A	Z	-13.01	-13.01	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	0	0	0	%100
51	MP4C	X	3.756	3.756	0	%100
52	MP4C	Z	-6.505	-6.505	0	%100
53	MP3C	X	3.756	3.756	0	%100
54	MP3C	Z	-6.505	-6.505	0	%100
55	MP2C	X	3.756	3.756	0	%100
56	MP2C	Z	-6.505	-6.505	0	%100
57	MP1C	X	3.756	3.756	0	%100
58	MP1C	Z	-6.505	-6.505	0	%100
59	M60	X	2.817	2.817	0	%100
60	M60	Z	-4.879	-4.879	0	%100
61	M61	X	3.886	3.886	0	%100
62	M61	Z	-6.73	-6.73	0	%100
63	M62	X	3.886	3.886	0	%100
64	M62	Z	-6.73	-6.73	0	%100
65	M67	X	2.387	2.387	0	%100
66	M67	Z	-4.134	-4.134	0	%100
67	M68	X	7.248	7.248	0	%100
68	M68	Z	-12.554	-12.554	0	%100
69	M70	X	2.387	2.387	0	%100
70	M70	Z	-4.134	-4.134	0	%100
71	M71	X	0	0	0	%100
72	M71	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	6.032	6.032	0	%100
76	M74	Z	-10.447	-10.447	0	%100
77	M75B	X	0	0	0	%100
78	M75B	Z	0	0	0	%100
79	M76	X	3.974	3.974	0	%100
80	M76	Z	-6.883	-6.883	0	%100
81	M77	X	3.974	3.974	0	%100
82	M77	Z	-6.883	-6.883	0	%100
83	M80B	X	7.512	7.512	0	%100
84	M80B	Z	-13.01	-13.01	0	%100
85	M82	X	7.512	7.512	0	%100
86	M82	Z	-13.01	-13.01	0	%100
87	MP4B	X	3.756	3.756	0	%100
88	MP4B	Z	-6.505	-6.505	0	%100
89	MP3B	X	3.756	3.756	0	%100
90	MP3B	Z	-6.505	-6.505	0	%100
91	MP2B	X	3.756	3.756	0	%100
92	MP2B	Z	-6.505	-6.505	0	%100
93	MP1B	X	3.756	3.756	0	%100
94	MP1B	Z	-6.505	-6.505	0	%100
95	M96	X	0	0	0	%100
96	M96	Z	0	0	0	%100
97	M97	X	0	0	0	%100

Member Distributed Loads (BLC 42 : Structure Wo (30 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
98	M97	Z	0	0	0	%100
99	M98	X	0	0	0	%100
100	M98	Z	0	0	0	%100
101	M103	X	9.547	9.547	0	%100
102	M103	Z	-16.536	-16.536	0	%100
103	M104	X	7.248	7.248	0	%100
104	M104	Z	-12.554	-12.554	0	%100
105	M106	X	9.547	9.547	0	%100
106	M106	Z	-16.536	-16.536	0	%100
107	M107	X	7.248	7.248	0	%100
108	M107	Z	-12.554	-12.554	0	%100
109	OVP1	X	3.423	3.423	0	%100
110	OVP1	Z	-5.928	-5.928	0	%100
111	OVP2	X	3.423	3.423	0	%100
112	OVP2	Z	-5.928	-5.928	0	%100
113	M119	X	3.179	3.179	0	%100
114	M119	Z	-5.506	-5.506	0	%100
115	M120	X	0	0	0	%100
116	M120	Z	0	0	0	%100
117	M121	X	3.179	3.179	0	%100
118	M121	Z	-5.506	-5.506	0	%100
119	M122	X	2.817	2.817	0	%100
120	M122	Z	-4.879	-4.879	0	%100
121	M123	X	2.817	2.817	0	%100
122	M123	Z	-4.879	-4.879	0	%100
123	M124	X	0	0	0	%100
124	M124	Z	0	0	0	%100

Member Distributed Loads (BLC 43 : Structure Wo (60 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	LV	X	2.397	2.397	0	%100
2	LV	Z	-1.384	-1.384	0	%100
3	M72A	X	7.835	7.835	0	%100
4	M72A	Z	-4.524	-4.524	0	%100
5	M75	X	4.109	4.109	0	%100
6	M75	Z	-2.372	-2.372	0	%100
7	M78	X	9.13	9.13	0	%100
8	M78	Z	-5.271	-5.271	0	%100
9	M79	X	2.319	2.319	0	%100
10	M79	Z	-1.339	-1.339	0	%100
11	M87A	X	4.337	4.337	0	%100
12	M87A	Z	-2.504	-2.504	0	%100
13	M92	X	17.347	17.347	0	%100
14	M92	Z	-10.015	-10.015	0	%100
15	MP4A	X	6.505	6.505	0	%100
16	MP4A	Z	-3.756	-3.756	0	%100
17	MP3A	X	6.505	6.505	0	%100
18	MP3A	Z	-3.756	-3.756	0	%100
19	MP2A	X	6.505	6.505	0	%100
20	MP2A	Z	-3.756	-3.756	0	%100
21	MP1A	X	6.505	6.505	0	%100

Member Distributed Loads (BLC 43 : Structure Wo (60 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	MP1A	Z	-3.756	-3.756	0	%100
23	M37	X	1.626	1.626	0	%100
24	M37	Z	-.939	-.939	0	%100
25	M37A	X	2.243	2.243	0	%100
26	M37A	Z	-1.295	-1.295	0	%100
27	M38	X	2.243	2.243	0	%100
28	M38	Z	-1.295	-1.295	0	%100
29	M43	X	12.402	12.402	0	%100
30	M43	Z	-7.16	-7.16	0	%100
31	M44	X	4.185	4.185	0	%100
32	M44	Z	-2.416	-2.416	0	%100
33	M46	X	12.402	12.402	0	%100
34	M46	Z	-7.16	-7.16	0	%100
35	M47	X	16.738	16.738	0	%100
36	M47	Z	-9.664	-9.664	0	%100
37	M37B	X	9.587	9.587	0	%100
38	M37B	Z	-5.535	-5.535	0	%100
39	M38A	X	0	0	0	%100
40	M38A	Z	0	0	0	%100
41	M39A	X	16.434	16.434	0	%100
42	M39A	Z	-9.488	-9.488	0	%100
43	M40A	X	2.247	2.247	0	%100
44	M40A	Z	-1.297	-1.297	0	%100
45	M41A	X	2.247	2.247	0	%100
46	M41A	Z	-1.297	-1.297	0	%100
47	M44A	X	4.337	4.337	0	%100
48	M44A	Z	-2.504	-2.504	0	%100
49	M46A	X	4.337	4.337	0	%100
50	M46A	Z	-2.504	-2.504	0	%100
51	MP4C	X	6.505	6.505	0	%100
52	MP4C	Z	-3.756	-3.756	0	%100
53	MP3C	X	6.505	6.505	0	%100
54	MP3C	Z	-3.756	-3.756	0	%100
55	MP2C	X	6.505	6.505	0	%100
56	MP2C	Z	-3.756	-3.756	0	%100
57	MP1C	X	6.505	6.505	0	%100
58	MP1C	Z	-3.756	-3.756	0	%100
59	M60	X	6.505	6.505	0	%100
60	M60	Z	-3.756	-3.756	0	%100
61	M61	X	8.973	8.973	0	%100
62	M61	Z	-5.181	-5.181	0	%100
63	M62	X	8.973	8.973	0	%100
64	M62	Z	-5.181	-5.181	0	%100
65	M67	X	0	0	0	%100
66	M67	Z	0	0	0	%100
67	M68	X	4.185	4.185	0	%100
68	M68	Z	-2.416	-2.416	0	%100
69	M70	X	0	0	0	%100
70	M70	Z	0	0	0	%100
71	M71	X	4.185	4.185	0	%100
72	M71	Z	-2.416	-2.416	0	%100
73	M73	X	2.397	2.397	0	%100

Member Distributed Loads (BLC 43 : Structure Wo (60 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
74	M73	Z	-1.384	-1.384	0	%100
75	M74	X	7.835	7.835	0	%100
76	M74	Z	-4.524	-4.524	0	%100
77	M75B	X	4.109	4.109	0	%100
78	M75B	Z	-2.372	-2.372	0	%100
79	M76	X	2.319	2.319	0	%100
80	M76	Z	-1.339	-1.339	0	%100
81	M77	X	9.13	9.13	0	%100
82	M77	Z	-5.271	-5.271	0	%100
83	M80B	X	17.347	17.347	0	%100
84	M80B	Z	-10.015	-10.015	0	%100
85	M82	X	4.337	4.337	0	%100
86	M82	Z	-2.504	-2.504	0	%100
87	MP4B	X	6.505	6.505	0	%100
88	MP4B	Z	-3.756	-3.756	0	%100
89	MP3B	X	6.505	6.505	0	%100
90	MP3B	Z	-3.756	-3.756	0	%100
91	MP2B	X	6.505	6.505	0	%100
92	MP2B	Z	-3.756	-3.756	0	%100
93	MP1B	X	6.505	6.505	0	%100
94	MP1B	Z	-3.756	-3.756	0	%100
95	M96	X	1.626	1.626	0	%100
96	M96	Z	-.939	-.939	0	%100
97	M97	X	2.243	2.243	0	%100
98	M97	Z	-1.295	-1.295	0	%100
99	M98	X	2.243	2.243	0	%100
100	M98	Z	-1.295	-1.295	0	%100
101	M103	X	12.402	12.402	0	%100
102	M103	Z	-7.16	-7.16	0	%100
103	M104	X	16.738	16.738	0	%100
104	M104	Z	-9.664	-9.664	0	%100
105	M106	X	12.402	12.402	0	%100
106	M106	Z	-7.16	-7.16	0	%100
107	M107	X	4.185	4.185	0	%100
108	M107	Z	-2.416	-2.416	0	%100
109	OVP1	X	5.928	5.928	0	%100
110	OVP1	Z	-3.423	-3.423	0	%100
111	OVP2	X	5.928	5.928	0	%100
112	OVP2	Z	-3.423	-3.423	0	%100
113	M119	X	7.341	7.341	0	%100
114	M119	Z	-4.238	-4.238	0	%100
115	M120	X	1.835	1.835	0	%100
116	M120	Z	-1.06	-1.06	0	%100
117	M121	X	1.835	1.835	0	%100
118	M121	Z	-1.06	-1.06	0	%100
119	M122	X	1.626	1.626	0	%100
120	M122	Z	-.939	-.939	0	%100
121	M123	X	6.505	6.505	0	%100
122	M123	Z	-3.756	-3.756	0	%100
123	M124	X	1.626	1.626	0	%100
124	M124	Z	-.939	-.939	0	%100

Member Distributed Loads (BLC 44 : Structure Wo (90 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	LV	X	0	0	0	%100
2	LV	Z	0	0	0	%100
3	M72A	X	12.063	12.063	0	%100
4	M72A	Z	0	0	0	%100
5	M75	X	0	0	0	%100
6	M75	Z	0	0	0	%100
7	M78	X	7.948	7.948	0	%100
8	M78	Z	0	0	0	%100
9	M79	X	7.948	7.948	0	%100
10	M79	Z	0	0	0	%100
11	M87A	X	15.023	15.023	0	%100
12	M87A	Z	0	0	0	%100
13	M92	X	15.023	15.023	0	%100
14	M92	Z	0	0	0	%100
15	MP4A	X	7.512	7.512	0	%100
16	MP4A	Z	0	0	0	%100
17	MP3A	X	7.512	7.512	0	%100
18	MP3A	Z	0	0	0	%100
19	MP2A	X	7.512	7.512	0	%100
20	MP2A	Z	0	0	0	%100
21	MP1A	X	7.512	7.512	0	%100
22	MP1A	Z	0	0	0	%100
23	M37	X	0	0	0	%100
24	M37	Z	0	0	0	%100
25	M37A	X	0	0	0	%100
26	M37A	Z	0	0	0	%100
27	M38	X	0	0	0	%100
28	M38	Z	0	0	0	%100
29	M43	X	19.094	19.094	0	%100
30	M43	Z	0	0	0	%100
31	M44	X	14.496	14.496	0	%100
32	M44	Z	0	0	0	%100
33	M46	X	19.094	19.094	0	%100
34	M46	Z	0	0	0	%100
35	M47	X	14.496	14.496	0	%100
36	M47	Z	0	0	0	%100
37	M37B	X	8.302	8.302	0	%100
38	M37B	Z	0	0	0	%100
39	M38A	X	3.016	3.016	0	%100
40	M38A	Z	0	0	0	%100
41	M39A	X	14.232	14.232	0	%100
42	M39A	Z	0	0	0	%100
43	M40A	X	7.865	7.865	0	%100
44	M40A	Z	0	0	0	%100
45	M41A	X	.000218	.000218	0	%100
46	M41A	Z	0	0	0	%100
47	M44A	X	0	0	0	%100
48	M44A	Z	0	0	0	%100
49	M46A	X	15.023	15.023	0	%100
50	M46A	Z	0	0	0	%100
51	MP4C	X	7.512	7.512	0	%100
52	MP4C	Z	0	0	0	%100

Member Distributed Loads (BLC 44 : Structure Wo (90 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	MP3C	X	7.512	7.512	0	%100
54	MP3C	Z	0	0	0	%100
55	MP2C	X	7.512	7.512	0	%100
56	MP2C	Z	0	0	0	%100
57	MP1C	X	7.512	7.512	0	%100
58	MP1C	Z	0	0	0	%100
59	M60	X	5.634	5.634	0	%100
60	M60	Z	0	0	0	%100
61	M61	X	7.771	7.771	0	%100
62	M61	Z	0	0	0	%100
63	M62	X	7.771	7.771	0	%100
64	M62	Z	0	0	0	%100
65	M67	X	4.773	4.773	0	%100
66	M67	Z	0	0	0	%100
67	M68	X	0	0	0	%100
68	M68	Z	0	0	0	%100
69	M70	X	4.773	4.773	0	%100
70	M70	Z	0	0	0	%100
71	M71	X	14.496	14.496	0	%100
72	M71	Z	0	0	0	%100
73	M73	X	8.302	8.302	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	3.016	3.016	0	%100
76	M74	Z	0	0	0	%100
77	M75B	X	14.232	14.232	0	%100
78	M75B	Z	0	0	0	%100
79	M76	X	.000219	.000219	0	%100
80	M76	Z	0	0	0	%100
81	M77	X	7.865	7.865	0	%100
82	M77	Z	0	0	0	%100
83	M80B	X	15.023	15.023	0	%100
84	M80B	Z	0	0	0	%100
85	M82	X	0	0	0	%100
86	M82	Z	0	0	0	%100
87	MP4B	X	7.512	7.512	0	%100
88	MP4B	Z	0	0	0	%100
89	MP3B	X	7.512	7.512	0	%100
90	MP3B	Z	0	0	0	%100
91	MP2B	X	7.512	7.512	0	%100
92	MP2B	Z	0	0	0	%100
93	MP1B	X	7.512	7.512	0	%100
94	MP1B	Z	0	0	0	%100
95	M96	X	5.634	5.634	0	%100
96	M96	Z	0	0	0	%100
97	M97	X	7.771	7.771	0	%100
98	M97	Z	0	0	0	%100
99	M98	X	7.771	7.771	0	%100
100	M98	Z	0	0	0	%100
101	M103	X	4.773	4.773	0	%100
102	M103	Z	0	0	0	%100
103	M104	X	14.496	14.496	0	%100
104	M104	Z	0	0	0	%100

Member Distributed Loads (BLC 44 : Structure Wo (90 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
105	M106	X	4.773	4.773	0	%100
106	M106	Z	0	0	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	0	0	0	%100
109	OVP1	X	6.845	6.845	0	%100
110	OVP1	Z	0	0	0	%100
111	OVP2	X	6.845	6.845	0	%100
112	OVP2	Z	0	0	0	%100
113	M119	X	6.358	6.358	0	%100
114	M119	Z	0	0	0	%100
115	M120	X	6.358	6.358	0	%100
116	M120	Z	0	0	0	%100
117	M121	X	0	0	0	%100
118	M121	Z	0	0	0	%100
119	M122	X	0	0	0	%100
120	M122	Z	0	0	0	%100
121	M123	X	5.634	5.634	0	%100
122	M123	Z	0	0	0	%100
123	M124	X	5.634	5.634	0	%100
124	M124	Z	0	0	0	%100

Member Distributed Loads (BLC 45 : Structure Wo (120 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	LV	X	2.397	2.397	0	%100
2	LV	Z	1.384	1.384	0	%100
3	M72A	X	7.835	7.835	0	%100
4	M72A	Z	4.524	4.524	0	%100
5	M75	X	4.109	4.109	0	%100
6	M75	Z	2.372	2.372	0	%100
7	M78	X	2.319	2.319	0	%100
8	M78	Z	1.339	1.339	0	%100
9	M79	X	9.13	9.13	0	%100
10	M79	Z	5.271	5.271	0	%100
11	M87A	X	17.347	17.347	0	%100
12	M87A	Z	10.015	10.015	0	%100
13	M92	X	4.337	4.337	0	%100
14	M92	Z	2.504	2.504	0	%100
15	MP4A	X	6.505	6.505	0	%100
16	MP4A	Z	3.756	3.756	0	%100
17	MP3A	X	6.505	6.505	0	%100
18	MP3A	Z	3.756	3.756	0	%100
19	MP2A	X	6.505	6.505	0	%100
20	MP2A	Z	3.756	3.756	0	%100
21	MP1A	X	6.505	6.505	0	%100
22	MP1A	Z	3.756	3.756	0	%100
23	M37	X	1.626	1.626	0	%100
24	M37	Z	.939	.939	0	%100
25	M37A	X	2.243	2.243	0	%100
26	M37A	Z	1.295	1.295	0	%100
27	M38	X	2.243	2.243	0	%100
28	M38	Z	1.295	1.295	0	%100

Member Distributed Loads (BLC 45 : Structure Wo (120 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
29	M43	X	12.402	12.402	0	%100
30	M43	Z	7.16	7.16	0	%100
31	M44	X	16.738	16.738	0	%100
32	M44	Z	9.664	9.664	0	%100
33	M46	X	12.402	12.402	0	%100
34	M46	Z	7.16	7.16	0	%100
35	M47	X	4.185	4.185	0	%100
36	M47	Z	2.416	2.416	0	%100
37	M37B	X	2.397	2.397	0	%100
38	M37B	Z	1.384	1.384	0	%100
39	M38A	X	7.835	7.835	0	%100
40	M38A	Z	4.524	4.524	0	%100
41	M39A	X	4.109	4.109	0	%100
42	M39A	Z	2.372	2.372	0	%100
43	M40A	X	9.13	9.13	0	%100
44	M40A	Z	5.271	5.271	0	%100
45	M41A	X	2.319	2.319	0	%100
46	M41A	Z	1.339	1.339	0	%100
47	M44A	X	4.337	4.337	0	%100
48	M44A	Z	2.504	2.504	0	%100
49	M46A	X	17.347	17.347	0	%100
50	M46A	Z	10.015	10.015	0	%100
51	MP4C	X	6.505	6.505	0	%100
52	MP4C	Z	3.756	3.756	0	%100
53	MP3C	X	6.505	6.505	0	%100
54	MP3C	Z	3.756	3.756	0	%100
55	MP2C	X	6.505	6.505	0	%100
56	MP2C	Z	3.756	3.756	0	%100
57	MP1C	X	6.505	6.505	0	%100
58	MP1C	Z	3.756	3.756	0	%100
59	M60	X	1.626	1.626	0	%100
60	M60	Z	.939	.939	0	%100
61	M61	X	2.243	2.243	0	%100
62	M61	Z	1.295	1.295	0	%100
63	M62	X	2.243	2.243	0	%100
64	M62	Z	1.295	1.295	0	%100
65	M67	X	12.402	12.402	0	%100
66	M67	Z	7.16	7.16	0	%100
67	M68	X	4.185	4.185	0	%100
68	M68	Z	2.416	2.416	0	%100
69	M70	X	12.402	12.402	0	%100
70	M70	Z	7.16	7.16	0	%100
71	M71	X	16.738	16.738	0	%100
72	M71	Z	9.664	9.664	0	%100
73	M73	X	9.587	9.587	0	%100
74	M73	Z	5.535	5.535	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75B	X	16.434	16.434	0	%100
78	M75B	Z	9.488	9.488	0	%100
79	M76	X	2.247	2.247	0	%100
80	M76	Z	1.297	1.297	0	%100

Member Distributed Loads (BLC 45 : Structure Wo (120 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
81	M77	X	2.247	2.247	0	%100
82	M77	Z	1.297	1.297	0	%100
83	M80B	X	4.337	4.337	0	%100
84	M80B	Z	2.504	2.504	0	%100
85	M82	X	4.337	4.337	0	%100
86	M82	Z	2.504	2.504	0	%100
87	MP4B	X	6.505	6.505	0	%100
88	MP4B	Z	3.756	3.756	0	%100
89	MP3B	X	6.505	6.505	0	%100
90	MP3B	Z	3.756	3.756	0	%100
91	MP2B	X	6.505	6.505	0	%100
92	MP2B	Z	3.756	3.756	0	%100
93	MP1B	X	6.505	6.505	0	%100
94	MP1B	Z	3.756	3.756	0	%100
95	M96	X	6.505	6.505	0	%100
96	M96	Z	3.756	3.756	0	%100
97	M97	X	8.973	8.973	0	%100
98	M97	Z	5.181	5.181	0	%100
99	M98	X	8.973	8.973	0	%100
100	M98	Z	5.181	5.181	0	%100
101	M103	X	0	0	0	%100
102	M103	Z	0	0	0	%100
103	M104	X	4.185	4.185	0	%100
104	M104	Z	2.416	2.416	0	%100
105	M106	X	0	0	0	%100
106	M106	Z	0	0	0	%100
107	M107	X	4.185	4.185	0	%100
108	M107	Z	2.416	2.416	0	%100
109	OVP1	X	5.928	5.928	0	%100
110	OVP1	Z	3.423	3.423	0	%100
111	OVP2	X	5.928	5.928	0	%100
112	OVP2	Z	3.423	3.423	0	%100
113	M119	X	1.835	1.835	0	%100
114	M119	Z	1.06	1.06	0	%100
115	M120	X	7.341	7.341	0	%100
116	M120	Z	4.238	4.238	0	%100
117	M121	X	1.835	1.835	0	%100
118	M121	Z	1.06	1.06	0	%100
119	M122	X	1.626	1.626	0	%100
120	M122	Z	.939	.939	0	%100
121	M123	X	1.626	1.626	0	%100
122	M123	Z	.939	.939	0	%100
123	M124	X	6.505	6.505	0	%100
124	M124	Z	3.756	3.756	0	%100

Member Distributed Loads (BLC 46 : Structure Wo (150 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	LV	X	4.151	4.151	0	%100
2	LV	Z	7.19	7.19	0	%100
3	M72A	X	1.508	1.508	0	%100
4	M72A	Z	2.612	2.612	0	%100

Member Distributed Loads (BLC 46 : Structure Wo (150 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
5	M75	X	7.116	7.116	0	%100
6	M75	Z	12.326	12.326	0	%100
7	M78	X	.000109	.000109	0	%100
8	M78	Z	.000189	.000189	0	%100
9	M79	X	3.933	3.933	0	%100
10	M79	Z	6.811	6.811	0	%100
11	M87A	X	7.512	7.512	0	%100
12	M87A	Z	13.01	13.01	0	%100
13	M92	X	0	0	0	%100
14	M92	Z	0	0	0	%100
15	MP4A	X	3.756	3.756	0	%100
16	MP4A	Z	6.505	6.505	0	%100
17	MP3A	X	3.756	3.756	0	%100
18	MP3A	Z	6.505	6.505	0	%100
19	MP2A	X	3.756	3.756	0	%100
20	MP2A	Z	6.505	6.505	0	%100
21	MP1A	X	3.756	3.756	0	%100
22	MP1A	Z	6.505	6.505	0	%100
23	M37	X	2.817	2.817	0	%100
24	M37	Z	4.879	4.879	0	%100
25	M37A	X	3.886	3.886	0	%100
26	M37A	Z	6.73	6.73	0	%100
27	M38	X	3.886	3.886	0	%100
28	M38	Z	6.73	6.73	0	%100
29	M43	X	2.387	2.387	0	%100
30	M43	Z	4.134	4.134	0	%100
31	M44	X	7.248	7.248	0	%100
32	M44	Z	12.554	12.554	0	%100
33	M46	X	2.387	2.387	0	%100
34	M46	Z	4.134	4.134	0	%100
35	M47	X	0	0	0	%100
36	M47	Z	0	0	0	%100
37	M37B	X	0	0	0	%100
38	M37B	Z	0	0	0	%100
39	M38A	X	6.032	6.032	0	%100
40	M38A	Z	10.447	10.447	0	%100
41	M39A	X	0	0	0	%100
42	M39A	Z	0	0	0	%100
43	M40A	X	3.974	3.974	0	%100
44	M40A	Z	6.883	6.883	0	%100
45	M41A	X	3.974	3.974	0	%100
46	M41A	Z	6.883	6.883	0	%100
47	M44A	X	7.512	7.512	0	%100
48	M44A	Z	13.01	13.01	0	%100
49	M46A	X	7.512	7.512	0	%100
50	M46A	Z	13.01	13.01	0	%100
51	MP4C	X	3.756	3.756	0	%100
52	MP4C	Z	6.505	6.505	0	%100
53	MP3C	X	3.756	3.756	0	%100
54	MP3C	Z	6.505	6.505	0	%100
55	MP2C	X	3.756	3.756	0	%100
56	MP2C	Z	6.505	6.505	0	%100

Member Distributed Loads (BLC 46 : Structure Wo (150 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
57	MP1C	X	3.756	3.756	0	%100
58	MP1C	Z	6.505	6.505	0	%100
59	M60	X	0	0	0	%100
60	M60	Z	0	0	0	%100
61	M61	X	0	0	0	%100
62	M61	Z	0	0	0	%100
63	M62	X	0	0	0	%100
64	M62	Z	0	0	0	%100
65	M67	X	9.547	9.547	0	%100
66	M67	Z	16.536	16.536	0	%100
67	M68	X	7.248	7.248	0	%100
68	M68	Z	12.554	12.554	0	%100
69	M70	X	9.547	9.547	0	%100
70	M70	Z	16.536	16.536	0	%100
71	M71	X	7.248	7.248	0	%100
72	M71	Z	12.554	12.554	0	%100
73	M73	X	4.151	4.151	0	%100
74	M73	Z	7.19	7.19	0	%100
75	M74	X	1.508	1.508	0	%100
76	M74	Z	2.612	2.612	0	%100
77	M75B	X	7.116	7.116	0	%100
78	M75B	Z	12.326	12.326	0	%100
79	M76	X	3.933	3.933	0	%100
80	M76	Z	6.811	6.811	0	%100
81	M77	X	.000109	.000109	0	%100
82	M77	Z	.000189	.000189	0	%100
83	M80B	X	0	0	0	%100
84	M80B	Z	0	0	0	%100
85	M82	X	7.512	7.512	0	%100
86	M82	Z	13.01	13.01	0	%100
87	MP4B	X	3.756	3.756	0	%100
88	MP4B	Z	6.505	6.505	0	%100
89	MP3B	X	3.756	3.756	0	%100
90	MP3B	Z	6.505	6.505	0	%100
91	MP2B	X	3.756	3.756	0	%100
92	MP2B	Z	6.505	6.505	0	%100
93	MP1B	X	3.756	3.756	0	%100
94	MP1B	Z	6.505	6.505	0	%100
95	M96	X	2.817	2.817	0	%100
96	M96	Z	4.879	4.879	0	%100
97	M97	X	3.886	3.886	0	%100
98	M97	Z	6.73	6.73	0	%100
99	M98	X	3.886	3.886	0	%100
100	M98	Z	6.73	6.73	0	%100
101	M103	X	2.387	2.387	0	%100
102	M103	Z	4.134	4.134	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	0	0	0	%100
105	M106	X	2.387	2.387	0	%100
106	M106	Z	4.134	4.134	0	%100
107	M107	X	7.248	7.248	0	%100
108	M107	Z	12.554	12.554	0	%100

Member Distributed Loads (BLC 46 : Structure Wo (150 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
109	OVP1	X	3.423	3.423	0	%100
110	OVP1	Z	5.928	5.928	0	%100
111	OVP2	X	3.423	3.423	0	%100
112	OVP2	Z	5.928	5.928	0	%100
113	M119	X	0	0	0	%100
114	M119	Z	0	0	0	%100
115	M120	X	3.179	3.179	0	%100
116	M120	Z	5.506	5.506	0	%100
117	M121	X	3.179	3.179	0	%100
118	M121	Z	5.506	5.506	0	%100
119	M122	X	2.817	2.817	0	%100
120	M122	Z	4.879	4.879	0	%100
121	M123	X	0	0	0	%100
122	M123	Z	0	0	0	%100
123	M124	X	2.817	2.817	0	%100
124	M124	Z	4.879	4.879	0	%100

Member Distributed Loads (BLC 47 : Structure Wo (180 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	LV	X	0	0	0	%100
2	LV	Z	11.07	11.07	0	%100
3	M72A	X	0	0	0	%100
4	M72A	Z	0	0	0	%100
5	M75	X	0	0	0	%100
6	M75	Z	18.976	18.976	0	%100
7	M78	X	0	0	0	%100
8	M78	Z	2.594	2.594	0	%100
9	M79	X	0	0	0	%100
10	M79	Z	2.594	2.594	0	%100
11	M87A	X	0	0	0	%100
12	M87A	Z	5.008	5.008	0	%100
13	M92	X	0	0	0	%100
14	M92	Z	5.008	5.008	0	%100
15	MP4A	X	0	0	0	%100
16	MP4A	Z	7.512	7.512	0	%100
17	MP3A	X	0	0	0	%100
18	MP3A	Z	7.512	7.512	0	%100
19	MP2A	X	0	0	0	%100
20	MP2A	Z	7.512	7.512	0	%100
21	MP1A	X	0	0	0	%100
22	MP1A	Z	7.512	7.512	0	%100
23	M37	X	0	0	0	%100
24	M37	Z	7.512	7.512	0	%100
25	M37A	X	0	0	0	%100
26	M37A	Z	10.362	10.362	0	%100
27	M38	X	0	0	0	%100
28	M38	Z	10.362	10.362	0	%100
29	M43	X	0	0	0	%100
30	M43	Z	0	0	0	%100
31	M44	X	0	0	0	%100
32	M44	Z	4.832	4.832	0	%100

Member Distributed Loads (BLC 47 : Structure Wo (180 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
33	M46	X	0	0	0	%100
34	M46	Z	0	0	0	%100
35	M47	X	0	0	0	%100
36	M47	Z	4.832	4.832	0	%100
37	M37B	X	0	0	0	%100
38	M37B	Z	2.767	2.767	0	%100
39	M38A	X	0	0	0	%100
40	M38A	Z	9.048	9.048	0	%100
41	M39A	X	0	0	0	%100
42	M39A	Z	4.744	4.744	0	%100
43	M40A	X	0	0	0	%100
44	M40A	Z	2.677	2.677	0	%100
45	M41A	X	0	0	0	%100
46	M41A	Z	10.542	10.542	0	%100
47	M44A	X	0	0	0	%100
48	M44A	Z	20.031	20.031	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	5.008	5.008	0	%100
51	MP4C	X	0	0	0	%100
52	MP4C	Z	7.512	7.512	0	%100
53	MP3C	X	0	0	0	%100
54	MP3C	Z	7.512	7.512	0	%100
55	MP2C	X	0	0	0	%100
56	MP2C	Z	7.512	7.512	0	%100
57	MP1C	X	0	0	0	%100
58	MP1C	Z	7.512	7.512	0	%100
59	M60	X	0	0	0	%100
60	M60	Z	1.878	1.878	0	%100
61	M61	X	0	0	0	%100
62	M61	Z	2.59	2.59	0	%100
63	M62	X	0	0	0	%100
64	M62	Z	2.59	2.59	0	%100
65	M67	X	0	0	0	%100
66	M67	Z	14.32	14.32	0	%100
67	M68	X	0	0	0	%100
68	M68	Z	19.328	19.328	0	%100
69	M70	X	0	0	0	%100
70	M70	Z	14.32	14.32	0	%100
71	M71	X	0	0	0	%100
72	M71	Z	4.832	4.832	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	2.767	2.767	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	9.048	9.048	0	%100
77	M75B	X	0	0	0	%100
78	M75B	Z	4.744	4.744	0	%100
79	M76	X	0	0	0	%100
80	M76	Z	10.542	10.542	0	%100
81	M77	X	0	0	0	%100
82	M77	Z	2.677	2.677	0	%100
83	M80B	X	0	0	0	%100
84	M80B	Z	5.008	5.008	0	%100

Member Distributed Loads (BLC 47 : Structure Wo (180 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
85	M82	X	0	0	0	%100
86	M82	Z	20.031	20.031	0	%100
87	MP4B	X	0	0	0	%100
88	MP4B	Z	7.512	7.512	0	%100
89	MP3B	X	0	0	0	%100
90	MP3B	Z	7.512	7.512	0	%100
91	MP2B	X	0	0	0	%100
92	MP2B	Z	7.512	7.512	0	%100
93	MP1B	X	0	0	0	%100
94	MP1B	Z	7.512	7.512	0	%100
95	M96	X	0	0	0	%100
96	M96	Z	1.878	1.878	0	%100
97	M97	X	0	0	0	%100
98	M97	Z	2.59	2.59	0	%100
99	M98	X	0	0	0	%100
100	M98	Z	2.59	2.59	0	%100
101	M103	X	0	0	0	%100
102	M103	Z	14.32	14.32	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	4.832	4.832	0	%100
105	M106	X	0	0	0	%100
106	M106	Z	14.32	14.32	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	19.328	19.328	0	%100
109	OVP1	X	0	0	0	%100
110	OVP1	Z	6.845	6.845	0	%100
111	OVP2	X	0	0	0	%100
112	OVP2	Z	6.845	6.845	0	%100
113	M119	X	0	0	0	%100
114	M119	Z	2.119	2.119	0	%100
115	M120	X	0	0	0	%100
116	M120	Z	2.119	2.119	0	%100
117	M121	X	0	0	0	%100
118	M121	Z	8.477	8.477	0	%100
119	M122	X	0	0	0	%100
120	M122	Z	7.512	7.512	0	%100
121	M123	X	0	0	0	%100
122	M123	Z	1.878	1.878	0	%100
123	M124	X	0	0	0	%100
124	M124	Z	1.878	1.878	0	%100

Member Distributed Loads (BLC 48 : Structure Wo (210 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	LV	X	-4.151	-4.151	0	%100
2	LV	Z	7.19	7.19	0	%100
3	M72A	X	-1.508	-1.508	0	%100
4	M72A	Z	2.612	2.612	0	%100
5	M75	X	-7.116	-7.116	0	%100
6	M75	Z	12.326	12.326	0	%100
7	M78	X	-3.933	-3.933	0	%100
8	M78	Z	6.811	6.811	0	%100

Member Distributed Loads (BLC 48 : Structure Wo (210 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
9	M79	X	-.000109	-.000109	0	%100
10	M79	Z	.000189	.000189	0	%100
11	M87A	X	0	0	0	%100
12	M87A	Z	0	0	0	%100
13	M92	X	-7.512	-7.512	0	%100
14	M92	Z	13.01	13.01	0	%100
15	MP4A	X	-3.756	-3.756	0	%100
16	MP4A	Z	6.505	6.505	0	%100
17	MP3A	X	-3.756	-3.756	0	%100
18	MP3A	Z	6.505	6.505	0	%100
19	MP2A	X	-3.756	-3.756	0	%100
20	MP2A	Z	6.505	6.505	0	%100
21	MP1A	X	-3.756	-3.756	0	%100
22	MP1A	Z	6.505	6.505	0	%100
23	M37	X	-2.817	-2.817	0	%100
24	M37	Z	4.879	4.879	0	%100
25	M37A	X	-3.886	-3.886	0	%100
26	M37A	Z	6.73	6.73	0	%100
27	M38	X	-3.886	-3.886	0	%100
28	M38	Z	6.73	6.73	0	%100
29	M43	X	-2.387	-2.387	0	%100
30	M43	Z	4.134	4.134	0	%100
31	M44	X	0	0	0	%100
32	M44	Z	0	0	0	%100
33	M46	X	-2.387	-2.387	0	%100
34	M46	Z	4.134	4.134	0	%100
35	M47	X	-7.248	-7.248	0	%100
36	M47	Z	12.554	12.554	0	%100
37	M37B	X	-4.151	-4.151	0	%100
38	M37B	Z	7.19	7.19	0	%100
39	M38A	X	-1.508	-1.508	0	%100
40	M38A	Z	2.612	2.612	0	%100
41	M39A	X	-7.116	-7.116	0	%100
42	M39A	Z	12.326	12.326	0	%100
43	M40A	X	-.000109	-.000109	0	%100
44	M40A	Z	.000189	.000189	0	%100
45	M41A	X	-3.933	-3.933	0	%100
46	M41A	Z	6.811	6.811	0	%100
47	M44A	X	-7.512	-7.512	0	%100
48	M44A	Z	13.01	13.01	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	0	0	0	%100
51	MP4C	X	-3.756	-3.756	0	%100
52	MP4C	Z	6.505	6.505	0	%100
53	MP3C	X	-3.756	-3.756	0	%100
54	MP3C	Z	6.505	6.505	0	%100
55	MP2C	X	-3.756	-3.756	0	%100
56	MP2C	Z	6.505	6.505	0	%100
57	MP1C	X	-3.756	-3.756	0	%100
58	MP1C	Z	6.505	6.505	0	%100
59	M60	X	-2.817	-2.817	0	%100
60	M60	Z	4.879	4.879	0	%100

Member Distributed Loads (BLC 48 : Structure Wo (210 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
61	M61	X	-3.886	-3.886	0	%100
62	M61	Z	6.73	6.73	0	%100
63	M62	X	-3.886	-3.886	0	%100
64	M62	Z	6.73	6.73	0	%100
65	M67	X	-2.387	-2.387	0	%100
66	M67	Z	4.134	4.134	0	%100
67	M68	X	-7.248	-7.248	0	%100
68	M68	Z	12.554	12.554	0	%100
69	M70	X	-2.387	-2.387	0	%100
70	M70	Z	4.134	4.134	0	%100
71	M71	X	0	0	0	%100
72	M71	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	-6.032	-6.032	0	%100
76	M74	Z	10.447	10.447	0	%100
77	M75B	X	0	0	0	%100
78	M75B	Z	0	0	0	%100
79	M76	X	-3.974	-3.974	0	%100
80	M76	Z	6.883	6.883	0	%100
81	M77	X	-3.974	-3.974	0	%100
82	M77	Z	6.883	6.883	0	%100
83	M80B	X	-7.512	-7.512	0	%100
84	M80B	Z	13.01	13.01	0	%100
85	M82	X	-7.512	-7.512	0	%100
86	M82	Z	13.01	13.01	0	%100
87	MP4B	X	-3.756	-3.756	0	%100
88	MP4B	Z	6.505	6.505	0	%100
89	MP3B	X	-3.756	-3.756	0	%100
90	MP3B	Z	6.505	6.505	0	%100
91	MP2B	X	-3.756	-3.756	0	%100
92	MP2B	Z	6.505	6.505	0	%100
93	MP1B	X	-3.756	-3.756	0	%100
94	MP1B	Z	6.505	6.505	0	%100
95	M96	X	0	0	0	%100
96	M96	Z	0	0	0	%100
97	M97	X	0	0	0	%100
98	M97	Z	0	0	0	%100
99	M98	X	0	0	0	%100
100	M98	Z	0	0	0	%100
101	M103	X	-9.547	-9.547	0	%100
102	M103	Z	16.536	16.536	0	%100
103	M104	X	-7.248	-7.248	0	%100
104	M104	Z	12.554	12.554	0	%100
105	M106	X	-9.547	-9.547	0	%100
106	M106	Z	16.536	16.536	0	%100
107	M107	X	-7.248	-7.248	0	%100
108	M107	Z	12.554	12.554	0	%100
109	OVP1	X	-3.423	-3.423	0	%100
110	OVP1	Z	5.928	5.928	0	%100
111	OVP2	X	-3.423	-3.423	0	%100
112	OVP2	Z	5.928	5.928	0	%100

Member Distributed Loads (BLC 48 : Structure Wo (210 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
113	M119	X	-3.179	-3.179	0	%100
114	M119	Z	5.506	5.506	0	%100
115	M120	X	0	0	0	%100
116	M120	Z	0	0	0	%100
117	M121	X	-3.179	-3.179	0	%100
118	M121	Z	5.506	5.506	0	%100
119	M122	X	-2.817	-2.817	0	%100
120	M122	Z	4.879	4.879	0	%100
121	M123	X	-2.817	-2.817	0	%100
122	M123	Z	4.879	4.879	0	%100
123	M124	X	0	0	0	%100
124	M124	Z	0	0	0	%100

Member Distributed Loads (BLC 49 : Structure Wo (240 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	LV	X	-2.397	-2.397	0	%100
2	LV	Z	1.384	1.384	0	%100
3	M72A	X	-7.835	-7.835	0	%100
4	M72A	Z	4.524	4.524	0	%100
5	M75	X	-4.109	-4.109	0	%100
6	M75	Z	2.372	2.372	0	%100
7	M78	X	-9.13	-9.13	0	%100
8	M78	Z	5.271	5.271	0	%100
9	M79	X	-2.319	-2.319	0	%100
10	M79	Z	1.339	1.339	0	%100
11	M87A	X	-4.337	-4.337	0	%100
12	M87A	Z	2.504	2.504	0	%100
13	M92	X	-17.347	-17.347	0	%100
14	M92	Z	10.015	10.015	0	%100
15	MP4A	X	-6.505	-6.505	0	%100
16	MP4A	Z	3.756	3.756	0	%100
17	MP3A	X	-6.505	-6.505	0	%100
18	MP3A	Z	3.756	3.756	0	%100
19	MP2A	X	-6.505	-6.505	0	%100
20	MP2A	Z	3.756	3.756	0	%100
21	MP1A	X	-6.505	-6.505	0	%100
22	MP1A	Z	3.756	3.756	0	%100
23	M37	X	-1.626	-1.626	0	%100
24	M37	Z	.939	.939	0	%100
25	M37A	X	-2.243	-2.243	0	%100
26	M37A	Z	1.295	1.295	0	%100
27	M38	X	-2.243	-2.243	0	%100
28	M38	Z	1.295	1.295	0	%100
29	M43	X	-12.402	-12.402	0	%100
30	M43	Z	7.16	7.16	0	%100
31	M44	X	-4.185	-4.185	0	%100
32	M44	Z	2.416	2.416	0	%100
33	M46	X	-12.402	-12.402	0	%100
34	M46	Z	7.16	7.16	0	%100
35	M47	X	-16.738	-16.738	0	%100
36	M47	Z	9.664	9.664	0	%100

Member Distributed Loads (BLC 49 : Structure Wo (240 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	M37B	X	-9.587	-9.587	0	%100
38	M37B	Z	5.535	5.535	0	%100
39	M38A	X	0	0	0	%100
40	M38A	Z	0	0	0	%100
41	M39A	X	-16.434	-16.434	0	%100
42	M39A	Z	9.488	9.488	0	%100
43	M40A	X	-2.247	-2.247	0	%100
44	M40A	Z	1.297	1.297	0	%100
45	M41A	X	-2.247	-2.247	0	%100
46	M41A	Z	1.297	1.297	0	%100
47	M44A	X	-4.337	-4.337	0	%100
48	M44A	Z	2.504	2.504	0	%100
49	M46A	X	-4.337	-4.337	0	%100
50	M46A	Z	2.504	2.504	0	%100
51	MP4C	X	-6.505	-6.505	0	%100
52	MP4C	Z	3.756	3.756	0	%100
53	MP3C	X	-6.505	-6.505	0	%100
54	MP3C	Z	3.756	3.756	0	%100
55	MP2C	X	-6.505	-6.505	0	%100
56	MP2C	Z	3.756	3.756	0	%100
57	MP1C	X	-6.505	-6.505	0	%100
58	MP1C	Z	3.756	3.756	0	%100
59	M60	X	-6.505	-6.505	0	%100
60	M60	Z	3.756	3.756	0	%100
61	M61	X	-8.973	-8.973	0	%100
62	M61	Z	5.181	5.181	0	%100
63	M62	X	-8.973	-8.973	0	%100
64	M62	Z	5.181	5.181	0	%100
65	M67	X	0	0	0	%100
66	M67	Z	0	0	0	%100
67	M68	X	-4.185	-4.185	0	%100
68	M68	Z	2.416	2.416	0	%100
69	M70	X	0	0	0	%100
70	M70	Z	0	0	0	%100
71	M71	X	-4.185	-4.185	0	%100
72	M71	Z	2.416	2.416	0	%100
73	M73	X	-2.397	-2.397	0	%100
74	M73	Z	1.384	1.384	0	%100
75	M74	X	-7.835	-7.835	0	%100
76	M74	Z	4.524	4.524	0	%100
77	M75B	X	-4.109	-4.109	0	%100
78	M75B	Z	2.372	2.372	0	%100
79	M76	X	-2.319	-2.319	0	%100
80	M76	Z	1.339	1.339	0	%100
81	M77	X	-9.13	-9.13	0	%100
82	M77	Z	5.271	5.271	0	%100
83	M80B	X	-17.347	-17.347	0	%100
84	M80B	Z	10.015	10.015	0	%100
85	M82	X	-4.337	-4.337	0	%100
86	M82	Z	2.504	2.504	0	%100
87	MP4B	X	-6.505	-6.505	0	%100
88	MP4B	Z	3.756	3.756	0	%100

Member Distributed Loads (BLC 49 : Structure Wo (240 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
89	MP3B	X	-6.505	-6.505	0	%100
90	MP3B	Z	3.756	3.756	0	%100
91	MP2B	X	-6.505	-6.505	0	%100
92	MP2B	Z	3.756	3.756	0	%100
93	MP1B	X	-6.505	-6.505	0	%100
94	MP1B	Z	3.756	3.756	0	%100
95	M96	X	-1.626	-1.626	0	%100
96	M96	Z	.939	.939	0	%100
97	M97	X	-2.243	-2.243	0	%100
98	M97	Z	1.295	1.295	0	%100
99	M98	X	-2.243	-2.243	0	%100
100	M98	Z	1.295	1.295	0	%100
101	M103	X	-12.402	-12.402	0	%100
102	M103	Z	7.16	7.16	0	%100
103	M104	X	-16.738	-16.738	0	%100
104	M104	Z	9.664	9.664	0	%100
105	M106	X	-12.402	-12.402	0	%100
106	M106	Z	7.16	7.16	0	%100
107	M107	X	-4.185	-4.185	0	%100
108	M107	Z	2.416	2.416	0	%100
109	OVP1	X	-5.928	-5.928	0	%100
110	OVP1	Z	3.423	3.423	0	%100
111	OVP2	X	-5.928	-5.928	0	%100
112	OVP2	Z	3.423	3.423	0	%100
113	M119	X	-7.341	-7.341	0	%100
114	M119	Z	4.238	4.238	0	%100
115	M120	X	-1.835	-1.835	0	%100
116	M120	Z	1.06	1.06	0	%100
117	M121	X	-1.835	-1.835	0	%100
118	M121	Z	1.06	1.06	0	%100
119	M122	X	-1.626	-1.626	0	%100
120	M122	Z	.939	.939	0	%100
121	M123	X	-6.505	-6.505	0	%100
122	M123	Z	3.756	3.756	0	%100
123	M124	X	-1.626	-1.626	0	%100
124	M124	Z	.939	.939	0	%100

Member Distributed Loads (BLC 50 : Structure Wo (270 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	LV	X	0	0	0	%100
2	LV	Z	0	0	0	%100
3	M72A	X	-12.063	-12.063	0	%100
4	M72A	Z	0	0	0	%100
5	M75	X	0	0	0	%100
6	M75	Z	0	0	0	%100
7	M78	X	-7.948	-7.948	0	%100
8	M78	Z	0	0	0	%100
9	M79	X	-7.948	-7.948	0	%100
10	M79	Z	0	0	0	%100
11	M87A	X	-15.023	-15.023	0	%100
12	M87A	Z	0	0	0	%100

Member Distributed Loads (BLC 50 : Structure Wo (270 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	M92	X	-15.023	-15.023	0	%100
14	M92	Z	0	0	0	%100
15	MP4A	X	-7.512	-7.512	0	%100
16	MP4A	Z	0	0	0	%100
17	MP3A	X	-7.512	-7.512	0	%100
18	MP3A	Z	0	0	0	%100
19	MP2A	X	-7.512	-7.512	0	%100
20	MP2A	Z	0	0	0	%100
21	MP1A	X	-7.512	-7.512	0	%100
22	MP1A	Z	0	0	0	%100
23	M37	X	0	0	0	%100
24	M37	Z	0	0	0	%100
25	M37A	X	0	0	0	%100
26	M37A	Z	0	0	0	%100
27	M38	X	0	0	0	%100
28	M38	Z	0	0	0	%100
29	M43	X	-19.094	-19.094	0	%100
30	M43	Z	0	0	0	%100
31	M44	X	-14.496	-14.496	0	%100
32	M44	Z	0	0	0	%100
33	M46	X	-19.094	-19.094	0	%100
34	M46	Z	0	0	0	%100
35	M47	X	-14.496	-14.496	0	%100
36	M47	Z	0	0	0	%100
37	M37B	X	-8.302	-8.302	0	%100
38	M37B	Z	0	0	0	%100
39	M38A	X	-3.016	-3.016	0	%100
40	M38A	Z	0	0	0	%100
41	M39A	X	-14.232	-14.232	0	%100
42	M39A	Z	0	0	0	%100
43	M40A	X	-7.865	-7.865	0	%100
44	M40A	Z	0	0	0	%100
45	M41A	X	-.000218	-.000218	0	%100
46	M41A	Z	0	0	0	%100
47	M44A	X	0	0	0	%100
48	M44A	Z	0	0	0	%100
49	M46A	X	-15.023	-15.023	0	%100
50	M46A	Z	0	0	0	%100
51	MP4C	X	-7.512	-7.512	0	%100
52	MP4C	Z	0	0	0	%100
53	MP3C	X	-7.512	-7.512	0	%100
54	MP3C	Z	0	0	0	%100
55	MP2C	X	-7.512	-7.512	0	%100
56	MP2C	Z	0	0	0	%100
57	MP1C	X	-7.512	-7.512	0	%100
58	MP1C	Z	0	0	0	%100
59	M60	X	-5.634	-5.634	0	%100
60	M60	Z	0	0	0	%100
61	M61	X	-7.771	-7.771	0	%100
62	M61	Z	0	0	0	%100
63	M62	X	-7.771	-7.771	0	%100
64	M62	Z	0	0	0	%100

Member Distributed Loads (BLC 50 : Structure Wo (270 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
65	M67	X	-4.773	-4.773	0	%100
66	M67	Z	0	0	0	%100
67	M68	X	0	0	0	%100
68	M68	Z	0	0	0	%100
69	M70	X	-4.773	-4.773	0	%100
70	M70	Z	0	0	0	%100
71	M71	X	-14.496	-14.496	0	%100
72	M71	Z	0	0	0	%100
73	M73	X	-8.302	-8.302	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	-3.016	-3.016	0	%100
76	M74	Z	0	0	0	%100
77	M75B	X	-14.232	-14.232	0	%100
78	M75B	Z	0	0	0	%100
79	M76	X	-.000219	-.000219	0	%100
80	M76	Z	0	0	0	%100
81	M77	X	-7.865	-7.865	0	%100
82	M77	Z	0	0	0	%100
83	M80B	X	-15.023	-15.023	0	%100
84	M80B	Z	0	0	0	%100
85	M82	X	0	0	0	%100
86	M82	Z	0	0	0	%100
87	MP4B	X	-7.512	-7.512	0	%100
88	MP4B	Z	0	0	0	%100
89	MP3B	X	-7.512	-7.512	0	%100
90	MP3B	Z	0	0	0	%100
91	MP2B	X	-7.512	-7.512	0	%100
92	MP2B	Z	0	0	0	%100
93	MP1B	X	-7.512	-7.512	0	%100
94	MP1B	Z	0	0	0	%100
95	M96	X	-5.634	-5.634	0	%100
96	M96	Z	0	0	0	%100
97	M97	X	-7.771	-7.771	0	%100
98	M97	Z	0	0	0	%100
99	M98	X	-7.771	-7.771	0	%100
100	M98	Z	0	0	0	%100
101	M103	X	-4.773	-4.773	0	%100
102	M103	Z	0	0	0	%100
103	M104	X	-14.496	-14.496	0	%100
104	M104	Z	0	0	0	%100
105	M106	X	-4.773	-4.773	0	%100
106	M106	Z	0	0	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	0	0	0	%100
109	OVP1	X	-6.845	-6.845	0	%100
110	OVP1	Z	0	0	0	%100
111	OVP2	X	-6.845	-6.845	0	%100
112	OVP2	Z	0	0	0	%100
113	M119	X	-6.358	-6.358	0	%100
114	M119	Z	0	0	0	%100
115	M120	X	-6.358	-6.358	0	%100
116	M120	Z	0	0	0	%100

Member Distributed Loads (BLC 50 : Structure Wo (270 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
117	M121	X	0	0	0	%100
118	M121	Z	0	0	0	%100
119	M122	X	0	0	0	%100
120	M122	Z	0	0	0	%100
121	M123	X	-5.634	-5.634	0	%100
122	M123	Z	0	0	0	%100
123	M124	X	-5.634	-5.634	0	%100
124	M124	Z	0	0	0	%100

Member Distributed Loads (BLC 51 : Structure Wo (300 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	LV	X	-2.397	-2.397	0	%100
2	LV	Z	-1.384	-1.384	0	%100
3	M72A	X	-7.835	-7.835	0	%100
4	M72A	Z	-4.524	-4.524	0	%100
5	M75	X	-4.109	-4.109	0	%100
6	M75	Z	-2.372	-2.372	0	%100
7	M78	X	-2.319	-2.319	0	%100
8	M78	Z	-1.339	-1.339	0	%100
9	M79	X	-9.13	-9.13	0	%100
10	M79	Z	-5.271	-5.271	0	%100
11	M87A	X	-17.347	-17.347	0	%100
12	M87A	Z	-10.015	-10.015	0	%100
13	M92	X	-4.337	-4.337	0	%100
14	M92	Z	-2.504	-2.504	0	%100
15	MP4A	X	-6.505	-6.505	0	%100
16	MP4A	Z	-3.756	-3.756	0	%100
17	MP3A	X	-6.505	-6.505	0	%100
18	MP3A	Z	-3.756	-3.756	0	%100
19	MP2A	X	-6.505	-6.505	0	%100
20	MP2A	Z	-3.756	-3.756	0	%100
21	MP1A	X	-6.505	-6.505	0	%100
22	MP1A	Z	-3.756	-3.756	0	%100
23	M37	X	-1.626	-1.626	0	%100
24	M37	Z	-.939	-.939	0	%100
25	M37A	X	-2.243	-2.243	0	%100
26	M37A	Z	-1.295	-1.295	0	%100
27	M38	X	-2.243	-2.243	0	%100
28	M38	Z	-1.295	-1.295	0	%100
29	M43	X	-12.402	-12.402	0	%100
30	M43	Z	-7.16	-7.16	0	%100
31	M44	X	-16.738	-16.738	0	%100
32	M44	Z	-9.664	-9.664	0	%100
33	M46	X	-12.402	-12.402	0	%100
34	M46	Z	-7.16	-7.16	0	%100
35	M47	X	-4.185	-4.185	0	%100
36	M47	Z	-2.416	-2.416	0	%100
37	M37B	X	-2.397	-2.397	0	%100
38	M37B	Z	-1.384	-1.384	0	%100
39	M38A	X	-7.835	-7.835	0	%100
40	M38A	Z	-4.524	-4.524	0	%100

Member Distributed Loads (BLC 51 : Structure Wo (300 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
41	M39A	X	-4.109	-4.109	0	%100
42	M39A	Z	-2.372	-2.372	0	%100
43	M40A	X	-9.13	-9.13	0	%100
44	M40A	Z	-5.271	-5.271	0	%100
45	M41A	X	-2.319	-2.319	0	%100
46	M41A	Z	-1.339	-1.339	0	%100
47	M44A	X	-4.337	-4.337	0	%100
48	M44A	Z	-2.504	-2.504	0	%100
49	M46A	X	-17.347	-17.347	0	%100
50	M46A	Z	-10.015	-10.015	0	%100
51	MP4C	X	-6.505	-6.505	0	%100
52	MP4C	Z	-3.756	-3.756	0	%100
53	MP3C	X	-6.505	-6.505	0	%100
54	MP3C	Z	-3.756	-3.756	0	%100
55	MP2C	X	-6.505	-6.505	0	%100
56	MP2C	Z	-3.756	-3.756	0	%100
57	MP1C	X	-6.505	-6.505	0	%100
58	MP1C	Z	-3.756	-3.756	0	%100
59	M60	X	-1.626	-1.626	0	%100
60	M60	Z	-.939	-.939	0	%100
61	M61	X	-2.243	-2.243	0	%100
62	M61	Z	-1.295	-1.295	0	%100
63	M62	X	-2.243	-2.243	0	%100
64	M62	Z	-1.295	-1.295	0	%100
65	M67	X	-12.402	-12.402	0	%100
66	M67	Z	-7.16	-7.16	0	%100
67	M68	X	-4.185	-4.185	0	%100
68	M68	Z	-2.416	-2.416	0	%100
69	M70	X	-12.402	-12.402	0	%100
70	M70	Z	-7.16	-7.16	0	%100
71	M71	X	-16.738	-16.738	0	%100
72	M71	Z	-9.664	-9.664	0	%100
73	M73	X	-9.587	-9.587	0	%100
74	M73	Z	-5.535	-5.535	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75B	X	-16.434	-16.434	0	%100
78	M75B	Z	-9.488	-9.488	0	%100
79	M76	X	-2.247	-2.247	0	%100
80	M76	Z	-1.297	-1.297	0	%100
81	M77	X	-2.247	-2.247	0	%100
82	M77	Z	-1.297	-1.297	0	%100
83	M80B	X	-4.337	-4.337	0	%100
84	M80B	Z	-2.504	-2.504	0	%100
85	M82	X	-4.337	-4.337	0	%100
86	M82	Z	-2.504	-2.504	0	%100
87	MP4B	X	-6.505	-6.505	0	%100
88	MP4B	Z	-3.756	-3.756	0	%100
89	MP3B	X	-6.505	-6.505	0	%100
90	MP3B	Z	-3.756	-3.756	0	%100
91	MP2B	X	-6.505	-6.505	0	%100
92	MP2B	Z	-3.756	-3.756	0	%100

Member Distributed Loads (BLC 51 : Structure Wo (300 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
93	MP1B	X	-6.505	-6.505	0	%100
94	MP1B	Z	-3.756	-3.756	0	%100
95	M96	X	-6.505	-6.505	0	%100
96	M96	Z	-3.756	-3.756	0	%100
97	M97	X	-8.973	-8.973	0	%100
98	M97	Z	-5.181	-5.181	0	%100
99	M98	X	-8.973	-8.973	0	%100
100	M98	Z	-5.181	-5.181	0	%100
101	M103	X	0	0	0	%100
102	M103	Z	0	0	0	%100
103	M104	X	-4.185	-4.185	0	%100
104	M104	Z	-2.416	-2.416	0	%100
105	M106	X	0	0	0	%100
106	M106	Z	0	0	0	%100
107	M107	X	-4.185	-4.185	0	%100
108	M107	Z	-2.416	-2.416	0	%100
109	OVP1	X	-5.928	-5.928	0	%100
110	OVP1	Z	-3.423	-3.423	0	%100
111	OVP2	X	-5.928	-5.928	0	%100
112	OVP2	Z	-3.423	-3.423	0	%100
113	M119	X	-1.835	-1.835	0	%100
114	M119	Z	-1.06	-1.06	0	%100
115	M120	X	-7.341	-7.341	0	%100
116	M120	Z	-4.238	-4.238	0	%100
117	M121	X	-1.835	-1.835	0	%100
118	M121	Z	-1.06	-1.06	0	%100
119	M122	X	-1.626	-1.626	0	%100
120	M122	Z	-.939	-.939	0	%100
121	M123	X	-1.626	-1.626	0	%100
122	M123	Z	-.939	-.939	0	%100
123	M124	X	-6.505	-6.505	0	%100
124	M124	Z	-3.756	-3.756	0	%100

Member Distributed Loads (BLC 52 : Structure Wo (330 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	LV	X	-4.151	-4.151	0	%100
2	LV	Z	-7.19	-7.19	0	%100
3	M72A	X	-1.508	-1.508	0	%100
4	M72A	Z	-2.612	-2.612	0	%100
5	M75	X	-7.116	-7.116	0	%100
6	M75	Z	-12.326	-12.326	0	%100
7	M78	X	-.000109	-.000109	0	%100
8	M78	Z	-.000189	-.000189	0	%100
9	M79	X	-3.933	-3.933	0	%100
10	M79	Z	-6.811	-6.811	0	%100
11	M87A	X	-7.512	-7.512	0	%100
12	M87A	Z	-13.01	-13.01	0	%100
13	M92	X	0	0	0	%100
14	M92	Z	0	0	0	%100
15	MP4A	X	-3.756	-3.756	0	%100
16	MP4A	Z	-6.505	-6.505	0	%100

Member Distributed Loads (BLC 52 : Structure Wo (330 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	MP3A	X	-3.756	-3.756	0	%100
18	MP3A	Z	-6.505	-6.505	0	%100
19	MP2A	X	-3.756	-3.756	0	%100
20	MP2A	Z	-6.505	-6.505	0	%100
21	MP1A	X	-3.756	-3.756	0	%100
22	MP1A	Z	-6.505	-6.505	0	%100
23	M37	X	-2.817	-2.817	0	%100
24	M37	Z	-4.879	-4.879	0	%100
25	M37A	X	-3.886	-3.886	0	%100
26	M37A	Z	-6.73	-6.73	0	%100
27	M38	X	-3.886	-3.886	0	%100
28	M38	Z	-6.73	-6.73	0	%100
29	M43	X	-2.387	-2.387	0	%100
30	M43	Z	-4.134	-4.134	0	%100
31	M44	X	-7.248	-7.248	0	%100
32	M44	Z	-12.554	-12.554	0	%100
33	M46	X	-2.387	-2.387	0	%100
34	M46	Z	-4.134	-4.134	0	%100
35	M47	X	0	0	0	%100
36	M47	Z	0	0	0	%100
37	M37B	X	0	0	0	%100
38	M37B	Z	0	0	0	%100
39	M38A	X	-6.032	-6.032	0	%100
40	M38A	Z	-10.447	-10.447	0	%100
41	M39A	X	0	0	0	%100
42	M39A	Z	0	0	0	%100
43	M40A	X	-3.974	-3.974	0	%100
44	M40A	Z	-6.883	-6.883	0	%100
45	M41A	X	-3.974	-3.974	0	%100
46	M41A	Z	-6.883	-6.883	0	%100
47	M44A	X	-7.512	-7.512	0	%100
48	M44A	Z	-13.01	-13.01	0	%100
49	M46A	X	-7.512	-7.512	0	%100
50	M46A	Z	-13.01	-13.01	0	%100
51	MP4C	X	-3.756	-3.756	0	%100
52	MP4C	Z	-6.505	-6.505	0	%100
53	MP3C	X	-3.756	-3.756	0	%100
54	MP3C	Z	-6.505	-6.505	0	%100
55	MP2C	X	-3.756	-3.756	0	%100
56	MP2C	Z	-6.505	-6.505	0	%100
57	MP1C	X	-3.756	-3.756	0	%100
58	MP1C	Z	-6.505	-6.505	0	%100
59	M60	X	0	0	0	%100
60	M60	Z	0	0	0	%100
61	M61	X	0	0	0	%100
62	M61	Z	0	0	0	%100
63	M62	X	0	0	0	%100
64	M62	Z	0	0	0	%100
65	M67	X	-9.547	-9.547	0	%100
66	M67	Z	-16.536	-16.536	0	%100
67	M68	X	-7.248	-7.248	0	%100
68	M68	Z	-12.554	-12.554	0	%100

Member Distributed Loads (BLC 52 : Structure Wo (330 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
69	M70	X	-9.547	-9.547	0	%100
70	M70	Z	-16.536	-16.536	0	%100
71	M71	X	-7.248	-7.248	0	%100
72	M71	Z	-12.554	-12.554	0	%100
73	M73	X	-4.151	-4.151	0	%100
74	M73	Z	-7.19	-7.19	0	%100
75	M74	X	-1.508	-1.508	0	%100
76	M74	Z	-2.612	-2.612	0	%100
77	M75B	X	-7.116	-7.116	0	%100
78	M75B	Z	-12.326	-12.326	0	%100
79	M76	X	-3.933	-3.933	0	%100
80	M76	Z	-6.811	-6.811	0	%100
81	M77	X	-.000109	-.000109	0	%100
82	M77	Z	-.000189	-.000189	0	%100
83	M80B	X	0	0	0	%100
84	M80B	Z	0	0	0	%100
85	M82	X	-7.512	-7.512	0	%100
86	M82	Z	-13.01	-13.01	0	%100
87	MP4B	X	-3.756	-3.756	0	%100
88	MP4B	Z	-6.505	-6.505	0	%100
89	MP3B	X	-3.756	-3.756	0	%100
90	MP3B	Z	-6.505	-6.505	0	%100
91	MP2B	X	-3.756	-3.756	0	%100
92	MP2B	Z	-6.505	-6.505	0	%100
93	MP1B	X	-3.756	-3.756	0	%100
94	MP1B	Z	-6.505	-6.505	0	%100
95	M96	X	-2.817	-2.817	0	%100
96	M96	Z	-4.879	-4.879	0	%100
97	M97	X	-3.886	-3.886	0	%100
98	M97	Z	-6.73	-6.73	0	%100
99	M98	X	-3.886	-3.886	0	%100
100	M98	Z	-6.73	-6.73	0	%100
101	M103	X	-2.387	-2.387	0	%100
102	M103	Z	-4.134	-4.134	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	0	0	0	%100
105	M106	X	-2.387	-2.387	0	%100
106	M106	Z	-4.134	-4.134	0	%100
107	M107	X	-7.248	-7.248	0	%100
108	M107	Z	-12.554	-12.554	0	%100
109	OVP1	X	-3.423	-3.423	0	%100
110	OVP1	Z	-5.928	-5.928	0	%100
111	OVP2	X	-3.423	-3.423	0	%100
112	OVP2	Z	-5.928	-5.928	0	%100
113	M119	X	0	0	0	%100
114	M119	Z	0	0	0	%100
115	M120	X	-3.179	-3.179	0	%100
116	M120	Z	-5.506	-5.506	0	%100
117	M121	X	-3.179	-3.179	0	%100
118	M121	Z	-5.506	-5.506	0	%100
119	M122	X	-2.817	-2.817	0	%100
120	M122	Z	-4.879	-4.879	0	%100

Member Distributed Loads (BLC 52 : Structure Wo (330 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
121	M123	X	0	0	0	%100
122	M123	Z	0	0	0	%100
123	M124	X	-2.817	-2.817	0	%100
124	M124	Z	-4.879	-4.879	0	%100

Member Distributed Loads (BLC 53 : Structure Wi (0 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	LV	X	0	0	0	%100
2	LV	Z	-4.091	-4.091	0	%100
3	M72A	X	0	0	0	%100
4	M72A	Z	0	0	0	%100
5	M75	X	0	0	0	%100
6	M75	Z	-4.761	-4.761	0	%100
7	M78	X	0	0	0	%100
8	M78	Z	-.889	-.889	0	%100
9	M79	X	0	0	0	%100
10	M79	Z	-.889	-.889	0	%100
11	M87A	X	0	0	0	%100
12	M87A	Z	-1.227	-1.227	0	%100
13	M92	X	0	0	0	%100
14	M92	Z	-1.227	-1.227	0	%100
15	MP4A	X	0	0	0	%100
16	MP4A	Z	-3.272	-3.272	0	%100
17	MP3A	X	0	0	0	%100
18	MP3A	Z	-3.272	-3.272	0	%100
19	MP2A	X	0	0	0	%100
20	MP2A	Z	-3.272	-3.272	0	%100
21	MP1A	X	0	0	0	%100
22	MP1A	Z	-3.272	-3.272	0	%100
23	M37	X	0	0	0	%100
24	M37	Z	-3.204	-3.204	0	%100
25	M37A	X	0	0	0	%100
26	M37A	Z	-3.332	-3.332	0	%100
27	M38	X	0	0	0	%100
28	M38	Z	-3.332	-3.332	0	%100
29	M43	X	0	0	0	%100
30	M43	Z	0	0	0	%100
31	M44	X	0	0	0	%100
32	M44	Z	-1.194	-1.194	0	%100
33	M46	X	0	0	0	%100
34	M46	Z	0	0	0	%100
35	M47	X	0	0	0	%100
36	M47	Z	-1.194	-1.194	0	%100
37	M37B	X	0	0	0	%100
38	M37B	Z	-1.023	-1.023	0	%100
39	M38A	X	0	0	0	%100
40	M38A	Z	-3.139	-3.139	0	%100
41	M39A	X	0	0	0	%100
42	M39A	Z	-1.19	-1.19	0	%100
43	M40A	X	0	0	0	%100
44	M40A	Z	-.917	-.917	0	%100

Member Distributed Loads (BLC 53 : Structure Wi (0 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
45	M41A	X	0	0	0	%100
46	M41A	Z	-3.612	-3.612	0	%100
47	M44A	X	0	0	0	%100
48	M44A	Z	-4.908	-4.908	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	-1.227	-1.227	0	%100
51	MP4C	X	0	0	0	%100
52	MP4C	Z	-3.272	-3.272	0	%100
53	MP3C	X	0	0	0	%100
54	MP3C	Z	-3.272	-3.272	0	%100
55	MP2C	X	0	0	0	%100
56	MP2C	Z	-3.272	-3.272	0	%100
57	MP1C	X	0	0	0	%100
58	MP1C	Z	-3.272	-3.272	0	%100
59	M60	X	0	0	0	%100
60	M60	Z	-.801	-.801	0	%100
61	M61	X	0	0	0	%100
62	M61	Z	-.833	-.833	0	%100
63	M62	X	0	0	0	%100
64	M62	Z	-.833	-.833	0	%100
65	M67	X	0	0	0	%100
66	M67	Z	-3.551	-3.551	0	%100
67	M68	X	0	0	0	%100
68	M68	Z	-4.778	-4.778	0	%100
69	M70	X	0	0	0	%100
70	M70	Z	-3.551	-3.551	0	%100
71	M71	X	0	0	0	%100
72	M71	Z	-1.194	-1.194	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	-1.023	-1.023	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	-3.139	-3.139	0	%100
77	M75B	X	0	0	0	%100
78	M75B	Z	-1.19	-1.19	0	%100
79	M76	X	0	0	0	%100
80	M76	Z	-3.612	-3.612	0	%100
81	M77	X	0	0	0	%100
82	M77	Z	-.917	-.917	0	%100
83	M80B	X	0	0	0	%100
84	M80B	Z	-1.227	-1.227	0	%100
85	M82	X	0	0	0	%100
86	M82	Z	-4.908	-4.908	0	%100
87	MP4B	X	0	0	0	%100
88	MP4B	Z	-3.272	-3.272	0	%100
89	MP3B	X	0	0	0	%100
90	MP3B	Z	-3.272	-3.272	0	%100
91	MP2B	X	0	0	0	%100
92	MP2B	Z	-3.272	-3.272	0	%100
93	MP1B	X	0	0	0	%100
94	MP1B	Z	-3.272	-3.272	0	%100
95	M96	X	0	0	0	%100
96	M96	Z	-.858	-.858	0	%100

Member Distributed Loads (BLC 53 : Structure Wi (0 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
97	M97	X	0	0	0	%100
98	M97	Z	-.833	-.833	0	%100
99	M98	X	0	0	0	%100
100	M98	Z	-.833	-.833	0	%100
101	M103	X	0	0	0	%100
102	M103	Z	-3.551	-3.551	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	-1.194	-1.194	0	%100
105	M106	X	0	0	0	%100
106	M106	Z	-3.551	-3.551	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	-4.778	-4.778	0	%100
109	OVP1	X	0	0	0	%100
110	OVP1	Z	-2.887	-2.887	0	%100
111	OVP2	X	0	0	0	%100
112	OVP2	Z	-2.887	-2.887	0	%100
113	M119	X	0	0	0	%100
114	M119	Z	-.697	-.697	0	%100
115	M120	X	0	0	0	%100
116	M120	Z	-.697	-.697	0	%100
117	M121	X	0	0	0	%100
118	M121	Z	-2.789	-2.789	0	%100
119	M122	X	0	0	0	%100
120	M122	Z	-3.43	-3.43	0	%100
121	M123	X	0	0	0	%100
122	M123	Z	-.858	-.858	0	%100
123	M124	X	0	0	0	%100
124	M124	Z	-.801	-.801	0	%100

Member Distributed Loads (BLC 54 : Structure Wi (30 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	LV	X	1.534	1.534	0	%100
2	LV	Z	-2.657	-2.657	0	%100
3	M72A	X	.523	.523	0	%100
4	M72A	Z	-.906	-.906	0	%100
5	M75	X	1.785	1.785	0	%100
6	M75	Z	-3.092	-3.092	0	%100
7	M78	X	1.347	1.347	0	%100
8	M78	Z	-2.334	-2.334	0	%100
9	M79	X	3.7e-5	3.7e-5	0	%100
10	M79	Z	-6.5e-5	-6.5e-5	0	%100
11	M87A	X	0	0	0	%100
12	M87A	Z	0	0	0	%100
13	M92	X	1.841	1.841	0	%100
14	M92	Z	-3.188	-3.188	0	%100
15	MP4A	X	1.636	1.636	0	%100
16	MP4A	Z	-2.833	-2.833	0	%100
17	MP3A	X	1.636	1.636	0	%100
18	MP3A	Z	-2.833	-2.833	0	%100
19	MP2A	X	1.636	1.636	0	%100
20	MP2A	Z	-2.833	-2.833	0	%100

Member Distributed Loads (BLC 54 : Structure Wi (30 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
21	MP1A	X	1.636	1.636	0	%100
22	MP1A	Z	-2.833	-2.833	0	%100
23	M37	X	1.201	1.201	0	%100
24	M37	Z	-2.081	-2.081	0	%100
25	M37A	X	1.25	1.25	0	%100
26	M37A	Z	-2.164	-2.164	0	%100
27	M38	X	1.25	1.25	0	%100
28	M38	Z	-2.164	-2.164	0	%100
29	M43	X	.592	.592	0	%100
30	M43	Z	-1.025	-1.025	0	%100
31	M44	X	0	0	0	%100
32	M44	Z	0	0	0	%100
33	M46	X	.592	.592	0	%100
34	M46	Z	-1.025	-1.025	0	%100
35	M47	X	1.792	1.792	0	%100
36	M47	Z	-3.103	-3.103	0	%100
37	M37B	X	1.534	1.534	0	%100
38	M37B	Z	-2.657	-2.657	0	%100
39	M38A	X	.523	.523	0	%100
40	M38A	Z	-.906	-.906	0	%100
41	M39A	X	1.785	1.785	0	%100
42	M39A	Z	-3.092	-3.092	0	%100
43	M40A	X	3.7e-5	3.7e-5	0	%100
44	M40A	Z	-6.5e-5	-6.5e-5	0	%100
45	M41A	X	1.347	1.347	0	%100
46	M41A	Z	-2.334	-2.334	0	%100
47	M44A	X	1.841	1.841	0	%100
48	M44A	Z	-3.188	-3.188	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	0	0	0	%100
51	MP4C	X	1.636	1.636	0	%100
52	MP4C	Z	-2.833	-2.833	0	%100
53	MP3C	X	1.636	1.636	0	%100
54	MP3C	Z	-2.833	-2.833	0	%100
55	MP2C	X	1.636	1.636	0	%100
56	MP2C	Z	-2.833	-2.833	0	%100
57	MP1C	X	1.636	1.636	0	%100
58	MP1C	Z	-2.833	-2.833	0	%100
59	M60	X	1.201	1.201	0	%100
60	M60	Z	-2.081	-2.081	0	%100
61	M61	X	1.25	1.25	0	%100
62	M61	Z	-2.164	-2.164	0	%100
63	M62	X	1.25	1.25	0	%100
64	M62	Z	-2.164	-2.164	0	%100
65	M67	X	.592	.592	0	%100
66	M67	Z	-1.025	-1.025	0	%100
67	M68	X	1.792	1.792	0	%100
68	M68	Z	-3.103	-3.103	0	%100
69	M70	X	.592	.592	0	%100
70	M70	Z	-1.025	-1.025	0	%100
71	M71	X	0	0	0	%100
72	M71	Z	0	0	0	%100

Member Distributed Loads (BLC 54 : Structure Wi (30 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	2.093	2.093	0	%100
76	M74	Z	-3.625	-3.625	0	%100
77	M75B	X	0	0	0	%100
78	M75B	Z	0	0	0	%100
79	M76	X	1.361	1.361	0	%100
80	M76	Z	-2.358	-2.358	0	%100
81	M77	X	1.362	1.362	0	%100
82	M77	Z	-2.358	-2.358	0	%100
83	M80B	X	1.841	1.841	0	%100
84	M80B	Z	-3.188	-3.188	0	%100
85	M82	X	1.841	1.841	0	%100
86	M82	Z	-3.188	-3.188	0	%100
87	MP4B	X	1.636	1.636	0	%100
88	MP4B	Z	-2.833	-2.833	0	%100
89	MP3B	X	1.636	1.636	0	%100
90	MP3B	Z	-2.833	-2.833	0	%100
91	MP2B	X	1.636	1.636	0	%100
92	MP2B	Z	-2.833	-2.833	0	%100
93	MP1B	X	1.636	1.636	0	%100
94	MP1B	Z	-2.833	-2.833	0	%100
95	M96	X	0	0	0	%100
96	M96	Z	0	0	0	%100
97	M97	X	0	0	0	%100
98	M97	Z	0	0	0	%100
99	M98	X	0	0	0	%100
100	M98	Z	0	0	0	%100
101	M103	X	2.367	2.367	0	%100
102	M103	Z	-4.1	-4.1	0	%100
103	M104	X	1.792	1.792	0	%100
104	M104	Z	-3.103	-3.103	0	%100
105	M106	X	2.367	2.367	0	%100
106	M106	Z	-4.1	-4.1	0	%100
107	M107	X	1.792	1.792	0	%100
108	M107	Z	-3.103	-3.103	0	%100
109	OVP1	X	1.443	1.443	0	%100
110	OVP1	Z	-2.5	-2.5	0	%100
111	OVP2	X	1.443	1.443	0	%100
112	OVP2	Z	-2.5	-2.5	0	%100
113	M119	X	1.046	1.046	0	%100
114	M119	Z	-1.811	-1.811	0	%100
115	M120	X	0	0	0	%100
116	M120	Z	0	0	0	%100
117	M121	X	1.046	1.046	0	%100
118	M121	Z	-1.811	-1.811	0	%100
119	M122	X	1.286	1.286	0	%100
120	M122	Z	-2.228	-2.228	0	%100
121	M123	X	1.286	1.286	0	%100
122	M123	Z	-2.228	-2.228	0	%100
123	M124	X	0	0	0	%100
124	M124	Z	0	0	0	%100

Member Distributed Loads (BLC 55 : Structure Wi (60 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	LV	X	.886	.886	0	%100
2	LV	Z	-.511	-.511	0	%100
3	M72A	X	2.719	2.719	0	%100
4	M72A	Z	-1.57	-1.57	0	%100
5	M75	X	1.031	1.031	0	%100
6	M75	Z	-.595	-.595	0	%100
7	M78	X	3.128	3.128	0	%100
8	M78	Z	-1.806	-1.806	0	%100
9	M79	X	.794	.794	0	%100
10	M79	Z	-.459	-.459	0	%100
11	M87A	X	1.063	1.063	0	%100
12	M87A	Z	-.614	-.614	0	%100
13	M92	X	4.251	4.251	0	%100
14	M92	Z	-2.454	-2.454	0	%100
15	MP4A	X	2.833	2.833	0	%100
16	MP4A	Z	-1.636	-1.636	0	%100
17	MP3A	X	2.833	2.833	0	%100
18	MP3A	Z	-1.636	-1.636	0	%100
19	MP2A	X	2.833	2.833	0	%100
20	MP2A	Z	-1.636	-1.636	0	%100
21	MP1A	X	2.833	2.833	0	%100
22	MP1A	Z	-1.636	-1.636	0	%100
23	M37	X	.694	.694	0	%100
24	M37	Z	-.4	-.4	0	%100
25	M37A	X	.721	.721	0	%100
26	M37A	Z	-.417	-.417	0	%100
27	M38	X	.721	.721	0	%100
28	M38	Z	-.417	-.417	0	%100
29	M43	X	3.075	3.075	0	%100
30	M43	Z	-1.775	-1.775	0	%100
31	M44	X	1.034	1.034	0	%100
32	M44	Z	-.597	-.597	0	%100
33	M46	X	3.075	3.075	0	%100
34	M46	Z	-1.775	-1.775	0	%100
35	M47	X	4.138	4.138	0	%100
36	M47	Z	-2.389	-2.389	0	%100
37	M37B	X	3.543	3.543	0	%100
38	M37B	Z	-2.046	-2.046	0	%100
39	M38A	X	0	0	0	%100
40	M38A	Z	0	0	0	%100
41	M39A	X	4.123	4.123	0	%100
42	M39A	Z	-2.381	-2.381	0	%100
43	M40A	X	.77	.77	0	%100
44	M40A	Z	-.444	-.444	0	%100
45	M41A	X	.77	.77	0	%100
46	M41A	Z	-.444	-.444	0	%100
47	M44A	X	1.063	1.063	0	%100
48	M44A	Z	-.614	-.614	0	%100
49	M46A	X	1.063	1.063	0	%100
50	M46A	Z	-.614	-.614	0	%100
51	MP4C	X	2.833	2.833	0	%100
52	MP4C	Z	-1.636	-1.636	0	%100

Member Distributed Loads (BLC 55 : Structure Wi (60 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	MP3C	X	2.833	2.833	0	%100
54	MP3C	Z	-1.636	-1.636	0	%100
55	MP2C	X	2.833	2.833	0	%100
56	MP2C	Z	-1.636	-1.636	0	%100
57	MP1C	X	2.833	2.833	0	%100
58	MP1C	Z	-1.636	-1.636	0	%100
59	M60	X	2.775	2.775	0	%100
60	M60	Z	-1.602	-1.602	0	%100
61	M61	X	2.886	2.886	0	%100
62	M61	Z	-1.666	-1.666	0	%100
63	M62	X	2.886	2.886	0	%100
64	M62	Z	-1.666	-1.666	0	%100
65	M67	X	0	0	0	%100
66	M67	Z	0	0	0	%100
67	M68	X	1.034	1.034	0	%100
68	M68	Z	-.597	-.597	0	%100
69	M70	X	0	0	0	%100
70	M70	Z	0	0	0	%100
71	M71	X	1.034	1.034	0	%100
72	M71	Z	-.597	-.597	0	%100
73	M73	X	.886	.886	0	%100
74	M73	Z	-.511	-.511	0	%100
75	M74	X	2.719	2.719	0	%100
76	M74	Z	-1.57	-1.57	0	%100
77	M75B	X	1.031	1.031	0	%100
78	M75B	Z	-.595	-.595	0	%100
79	M76	X	.794	.794	0	%100
80	M76	Z	-.459	-.459	0	%100
81	M77	X	3.128	3.128	0	%100
82	M77	Z	-1.806	-1.806	0	%100
83	M80B	X	4.251	4.251	0	%100
84	M80B	Z	-2.454	-2.454	0	%100
85	M82	X	1.063	1.063	0	%100
86	M82	Z	-.614	-.614	0	%100
87	MP4B	X	2.833	2.833	0	%100
88	MP4B	Z	-1.636	-1.636	0	%100
89	MP3B	X	2.833	2.833	0	%100
90	MP3B	Z	-1.636	-1.636	0	%100
91	MP2B	X	2.833	2.833	0	%100
92	MP2B	Z	-1.636	-1.636	0	%100
93	MP1B	X	2.833	2.833	0	%100
94	MP1B	Z	-1.636	-1.636	0	%100
95	M96	X	.743	.743	0	%100
96	M96	Z	-.429	-.429	0	%100
97	M97	X	.721	.721	0	%100
98	M97	Z	-.417	-.417	0	%100
99	M98	X	.721	.721	0	%100
100	M98	Z	-.417	-.417	0	%100
101	M103	X	3.075	3.075	0	%100
102	M103	Z	-1.775	-1.775	0	%100
103	M104	X	4.138	4.138	0	%100
104	M104	Z	-2.389	-2.389	0	%100

Member Distributed Loads (BLC 55 : Structure Wi (60 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
105	M106	X	3.075	3.075	0	%100
106	M106	Z	-1.775	-1.775	0	%100
107	M107	X	1.034	1.034	0	%100
108	M107	Z	-.597	-.597	0	%100
109	OVP1	X	2.5	2.5	0	%100
110	OVP1	Z	-1.443	-1.443	0	%100
111	OVP2	X	2.5	2.5	0	%100
112	OVP2	Z	-1.443	-1.443	0	%100
113	M119	X	2.415	2.415	0	%100
114	M119	Z	-1.394	-1.394	0	%100
115	M120	X	.604	.604	0	%100
116	M120	Z	-.349	-.349	0	%100
117	M121	X	.604	.604	0	%100
118	M121	Z	-.349	-.349	0	%100
119	M122	X	.743	.743	0	%100
120	M122	Z	-.429	-.429	0	%100
121	M123	X	2.971	2.971	0	%100
122	M123	Z	-1.715	-1.715	0	%100
123	M124	X	.694	.694	0	%100
124	M124	Z	-.4	-.4	0	%100

Member Distributed Loads (BLC 56 : Structure Wi (90 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	LV	X	0	0	0	%100
2	LV	Z	0	0	0	%100
3	M72A	X	4.185	4.185	0	%100
4	M72A	Z	0	0	0	%100
5	M75	X	0	0	0	%100
6	M75	Z	0	0	0	%100
7	M78	X	2.723	2.723	0	%100
8	M78	Z	0	0	0	%100
9	M79	X	2.723	2.723	0	%100
10	M79	Z	0	0	0	%100
11	M87A	X	3.681	3.681	0	%100
12	M87A	Z	0	0	0	%100
13	M92	X	3.681	3.681	0	%100
14	M92	Z	0	0	0	%100
15	MP4A	X	3.272	3.272	0	%100
16	MP4A	Z	0	0	0	%100
17	MP3A	X	3.272	3.272	0	%100
18	MP3A	Z	0	0	0	%100
19	MP2A	X	3.272	3.272	0	%100
20	MP2A	Z	0	0	0	%100
21	MP1A	X	3.272	3.272	0	%100
22	MP1A	Z	0	0	0	%100
23	M37	X	0	0	0	%100
24	M37	Z	0	0	0	%100
25	M37A	X	0	0	0	%100
26	M37A	Z	0	0	0	%100
27	M38	X	0	0	0	%100
28	M38	Z	0	0	0	%100

Member Distributed Loads (BLC 56 : Structure Wi (90 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
29	M43	X	4.734	4.734	0	%100
30	M43	Z	0	0	0	%100
31	M44	X	3.583	3.583	0	%100
32	M44	Z	0	0	0	%100
33	M46	X	4.734	4.734	0	%100
34	M46	Z	0	0	0	%100
35	M47	X	3.583	3.583	0	%100
36	M47	Z	0	0	0	%100
37	M37B	X	3.068	3.068	0	%100
38	M37B	Z	0	0	0	%100
39	M38A	X	1.046	1.046	0	%100
40	M38A	Z	0	0	0	%100
41	M39A	X	3.571	3.571	0	%100
42	M39A	Z	0	0	0	%100
43	M40A	X	2.695	2.695	0	%100
44	M40A	Z	0	0	0	%100
45	M41A	X	7.5e-5	7.5e-5	0	%100
46	M41A	Z	0	0	0	%100
47	M44A	X	0	0	0	%100
48	M44A	Z	0	0	0	%100
49	M46A	X	3.681	3.681	0	%100
50	M46A	Z	0	0	0	%100
51	MP4C	X	3.272	3.272	0	%100
52	MP4C	Z	0	0	0	%100
53	MP3C	X	3.272	3.272	0	%100
54	MP3C	Z	0	0	0	%100
55	MP2C	X	3.272	3.272	0	%100
56	MP2C	Z	0	0	0	%100
57	MP1C	X	3.272	3.272	0	%100
58	MP1C	Z	0	0	0	%100
59	M60	X	2.403	2.403	0	%100
60	M60	Z	0	0	0	%100
61	M61	X	2.499	2.499	0	%100
62	M61	Z	0	0	0	%100
63	M62	X	2.499	2.499	0	%100
64	M62	Z	0	0	0	%100
65	M67	X	1.184	1.184	0	%100
66	M67	Z	0	0	0	%100
67	M68	X	0	0	0	%100
68	M68	Z	0	0	0	%100
69	M70	X	1.184	1.184	0	%100
70	M70	Z	0	0	0	%100
71	M71	X	3.583	3.583	0	%100
72	M71	Z	0	0	0	%100
73	M73	X	3.068	3.068	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	1.046	1.046	0	%100
76	M74	Z	0	0	0	%100
77	M75B	X	3.571	3.571	0	%100
78	M75B	Z	0	0	0	%100
79	M76	X	7.5e-5	7.5e-5	0	%100
80	M76	Z	0	0	0	%100

Member Distributed Loads (BLC 56 : Structure Wi (90 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
81	M77	X	2.695	2.695	0	%100
82	M77	Z	0	0	0	%100
83	M80B	X	3.681	3.681	0	%100
84	M80B	Z	0	0	0	%100
85	M82	X	0	0	0	%100
86	M82	Z	0	0	0	%100
87	MP4B	X	3.272	3.272	0	%100
88	MP4B	Z	0	0	0	%100
89	MP3B	X	3.272	3.272	0	%100
90	MP3B	Z	0	0	0	%100
91	MP2B	X	3.272	3.272	0	%100
92	MP2B	Z	0	0	0	%100
93	MP1B	X	3.272	3.272	0	%100
94	MP1B	Z	0	0	0	%100
95	M96	X	2.573	2.573	0	%100
96	M96	Z	0	0	0	%100
97	M97	X	2.499	2.499	0	%100
98	M97	Z	0	0	0	%100
99	M98	X	2.499	2.499	0	%100
100	M98	Z	0	0	0	%100
101	M103	X	1.184	1.184	0	%100
102	M103	Z	0	0	0	%100
103	M104	X	3.583	3.583	0	%100
104	M104	Z	0	0	0	%100
105	M106	X	1.184	1.184	0	%100
106	M106	Z	0	0	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	0	0	0	%100
109	OVP1	X	2.887	2.887	0	%100
110	OVP1	Z	0	0	0	%100
111	OVP2	X	2.887	2.887	0	%100
112	OVP2	Z	0	0	0	%100
113	M119	X	2.091	2.091	0	%100
114	M119	Z	0	0	0	%100
115	M120	X	2.091	2.091	0	%100
116	M120	Z	0	0	0	%100
117	M121	X	0	0	0	%100
118	M121	Z	0	0	0	%100
119	M122	X	0	0	0	%100
120	M122	Z	0	0	0	%100
121	M123	X	2.573	2.573	0	%100
122	M123	Z	0	0	0	%100
123	M124	X	2.403	2.403	0	%100
124	M124	Z	0	0	0	%100

Member Distributed Loads (BLC 57 : Structure Wi (120 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	LV	X	.886	.886	0	%100
2	LV	Z	.511	.511	0	%100
3	M72A	X	2.719	2.719	0	%100
4	M72A	Z	1.57	1.57	0	%100

Member Distributed Loads (BLC 57 : Structure Wi (120 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
5	M75	X	1.031	1.031	0	%100
6	M75	Z	.595	.595	0	%100
7	M78	X	.794	.794	0	%100
8	M78	Z	.459	.459	0	%100
9	M79	X	3.128	3.128	0	%100
10	M79	Z	1.806	1.806	0	%100
11	M87A	X	4.251	4.251	0	%100
12	M87A	Z	2.454	2.454	0	%100
13	M92	X	1.063	1.063	0	%100
14	M92	Z	.614	.614	0	%100
15	MP4A	X	2.833	2.833	0	%100
16	MP4A	Z	1.636	1.636	0	%100
17	MP3A	X	2.833	2.833	0	%100
18	MP3A	Z	1.636	1.636	0	%100
19	MP2A	X	2.833	2.833	0	%100
20	MP2A	Z	1.636	1.636	0	%100
21	MP1A	X	2.833	2.833	0	%100
22	MP1A	Z	1.636	1.636	0	%100
23	M37	X	.694	.694	0	%100
24	M37	Z	.4	.4	0	%100
25	M37A	X	.721	.721	0	%100
26	M37A	Z	.417	.417	0	%100
27	M38	X	.721	.721	0	%100
28	M38	Z	.417	.417	0	%100
29	M43	X	3.075	3.075	0	%100
30	M43	Z	1.775	1.775	0	%100
31	M44	X	4.138	4.138	0	%100
32	M44	Z	2.389	2.389	0	%100
33	M46	X	3.075	3.075	0	%100
34	M46	Z	1.775	1.775	0	%100
35	M47	X	1.034	1.034	0	%100
36	M47	Z	.597	.597	0	%100
37	M37B	X	.886	.886	0	%100
38	M37B	Z	.511	.511	0	%100
39	M38A	X	2.719	2.719	0	%100
40	M38A	Z	1.57	1.57	0	%100
41	M39A	X	1.031	1.031	0	%100
42	M39A	Z	.595	.595	0	%100
43	M40A	X	3.128	3.128	0	%100
44	M40A	Z	1.806	1.806	0	%100
45	M41A	X	.794	.794	0	%100
46	M41A	Z	.459	.459	0	%100
47	M44A	X	1.063	1.063	0	%100
48	M44A	Z	.614	.614	0	%100
49	M46A	X	4.251	4.251	0	%100
50	M46A	Z	2.454	2.454	0	%100
51	MP4C	X	2.833	2.833	0	%100
52	MP4C	Z	1.636	1.636	0	%100
53	MP3C	X	2.833	2.833	0	%100
54	MP3C	Z	1.636	1.636	0	%100
55	MP2C	X	2.833	2.833	0	%100
56	MP2C	Z	1.636	1.636	0	%100

Member Distributed Loads (BLC 57 : Structure Wi (120 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
57	MP1C	X	2.833	2.833	0	%100
58	MP1C	Z	1.636	1.636	0	%100
59	M60	X	.694	.694	0	%100
60	M60	Z	.4	.4	0	%100
61	M61	X	.721	.721	0	%100
62	M61	Z	.417	.417	0	%100
63	M62	X	.721	.721	0	%100
64	M62	Z	.417	.417	0	%100
65	M67	X	3.075	3.075	0	%100
66	M67	Z	1.775	1.775	0	%100
67	M68	X	1.034	1.034	0	%100
68	M68	Z	.597	.597	0	%100
69	M70	X	3.075	3.075	0	%100
70	M70	Z	1.775	1.775	0	%100
71	M71	X	4.138	4.138	0	%100
72	M71	Z	2.389	2.389	0	%100
73	M73	X	3.543	3.543	0	%100
74	M73	Z	2.046	2.046	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75B	X	4.123	4.123	0	%100
78	M75B	Z	2.381	2.381	0	%100
79	M76	X	.77	.77	0	%100
80	M76	Z	.444	.444	0	%100
81	M77	X	.77	.77	0	%100
82	M77	Z	.444	.444	0	%100
83	M80B	X	1.063	1.063	0	%100
84	M80B	Z	.614	.614	0	%100
85	M82	X	1.063	1.063	0	%100
86	M82	Z	.614	.614	0	%100
87	MP4B	X	2.833	2.833	0	%100
88	MP4B	Z	1.636	1.636	0	%100
89	MP3B	X	2.833	2.833	0	%100
90	MP3B	Z	1.636	1.636	0	%100
91	MP2B	X	2.833	2.833	0	%100
92	MP2B	Z	1.636	1.636	0	%100
93	MP1B	X	2.833	2.833	0	%100
94	MP1B	Z	1.636	1.636	0	%100
95	M96	X	2.971	2.971	0	%100
96	M96	Z	1.715	1.715	0	%100
97	M97	X	2.886	2.886	0	%100
98	M97	Z	1.666	1.666	0	%100
99	M98	X	2.886	2.886	0	%100
100	M98	Z	1.666	1.666	0	%100
101	M103	X	0	0	0	%100
102	M103	Z	0	0	0	%100
103	M104	X	1.034	1.034	0	%100
104	M104	Z	.597	.597	0	%100
105	M106	X	0	0	0	%100
106	M106	Z	0	0	0	%100
107	M107	X	1.034	1.034	0	%100
108	M107	Z	.597	.597	0	%100

Member Distributed Loads (BLC 57 : Structure Wi (120 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
109	OVP1	X	2.5	2.5	0	%100
110	OVP1	Z	1.443	1.443	0	%100
111	OVP2	X	2.5	2.5	0	%100
112	OVP2	Z	1.443	1.443	0	%100
113	M119	X	.604	.604	0	%100
114	M119	Z	.349	.349	0	%100
115	M120	X	2.415	2.415	0	%100
116	M120	Z	1.394	1.394	0	%100
117	M121	X	.604	.604	0	%100
118	M121	Z	.349	.349	0	%100
119	M122	X	.743	.743	0	%100
120	M122	Z	.429	.429	0	%100
121	M123	X	.743	.743	0	%100
122	M123	Z	.429	.429	0	%100
123	M124	X	2.775	2.775	0	%100
124	M124	Z	1.602	1.602	0	%100

Member Distributed Loads (BLC 58 : Structure Wi (150 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	LV	X	1.534	1.534	0	%100
2	LV	Z	2.657	2.657	0	%100
3	M72A	X	.523	.523	0	%100
4	M72A	Z	.906	.906	0	%100
5	M75	X	1.785	1.785	0	%100
6	M75	Z	3.092	3.092	0	%100
7	M78	X	3.7e-5	3.7e-5	0	%100
8	M78	Z	6.5e-5	6.5e-5	0	%100
9	M79	X	1.347	1.347	0	%100
10	M79	Z	2.334	2.334	0	%100
11	M87A	X	1.841	1.841	0	%100
12	M87A	Z	3.188	3.188	0	%100
13	M92	X	0	0	0	%100
14	M92	Z	0	0	0	%100
15	MP4A	X	1.636	1.636	0	%100
16	MP4A	Z	2.833	2.833	0	%100
17	MP3A	X	1.636	1.636	0	%100
18	MP3A	Z	2.833	2.833	0	%100
19	MP2A	X	1.636	1.636	0	%100
20	MP2A	Z	2.833	2.833	0	%100
21	MP1A	X	1.636	1.636	0	%100
22	MP1A	Z	2.833	2.833	0	%100
23	M37	X	1.201	1.201	0	%100
24	M37	Z	2.081	2.081	0	%100
25	M37A	X	1.25	1.25	0	%100
26	M37A	Z	2.164	2.164	0	%100
27	M38	X	1.25	1.25	0	%100
28	M38	Z	2.164	2.164	0	%100
29	M43	X	.592	.592	0	%100
30	M43	Z	1.025	1.025	0	%100
31	M44	X	1.792	1.792	0	%100
32	M44	Z	3.103	3.103	0	%100

Member Distributed Loads (BLC 58 : Structure Wi (150 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
33	M46	X	.592	.592	0	%100
34	M46	Z	1.025	1.025	0	%100
35	M47	X	0	0	0	%100
36	M47	Z	0	0	0	%100
37	M37B	X	0	0	0	%100
38	M37B	Z	0	0	0	%100
39	M38A	X	2.093	2.093	0	%100
40	M38A	Z	3.625	3.625	0	%100
41	M39A	X	0	0	0	%100
42	M39A	Z	0	0	0	%100
43	M40A	X	1.361	1.361	0	%100
44	M40A	Z	2.358	2.358	0	%100
45	M41A	X	1.362	1.362	0	%100
46	M41A	Z	2.358	2.358	0	%100
47	M44A	X	1.841	1.841	0	%100
48	M44A	Z	3.188	3.188	0	%100
49	M46A	X	1.841	1.841	0	%100
50	M46A	Z	3.188	3.188	0	%100
51	MP4C	X	1.636	1.636	0	%100
52	MP4C	Z	2.833	2.833	0	%100
53	MP3C	X	1.636	1.636	0	%100
54	MP3C	Z	2.833	2.833	0	%100
55	MP2C	X	1.636	1.636	0	%100
56	MP2C	Z	2.833	2.833	0	%100
57	MP1C	X	1.636	1.636	0	%100
58	MP1C	Z	2.833	2.833	0	%100
59	M60	X	0	0	0	%100
60	M60	Z	0	0	0	%100
61	M61	X	0	0	0	%100
62	M61	Z	0	0	0	%100
63	M62	X	0	0	0	%100
64	M62	Z	0	0	0	%100
65	M67	X	2.367	2.367	0	%100
66	M67	Z	4.1	4.1	0	%100
67	M68	X	1.792	1.792	0	%100
68	M68	Z	3.103	3.103	0	%100
69	M70	X	2.367	2.367	0	%100
70	M70	Z	4.1	4.1	0	%100
71	M71	X	1.792	1.792	0	%100
72	M71	Z	3.103	3.103	0	%100
73	M73	X	1.534	1.534	0	%100
74	M73	Z	2.657	2.657	0	%100
75	M74	X	.523	.523	0	%100
76	M74	Z	.906	.906	0	%100
77	M75B	X	1.785	1.785	0	%100
78	M75B	Z	3.092	3.092	0	%100
79	M76	X	1.347	1.347	0	%100
80	M76	Z	2.334	2.334	0	%100
81	M77	X	3.7e-5	3.7e-5	0	%100
82	M77	Z	6.5e-5	6.5e-5	0	%100
83	M80B	X	0	0	0	%100
84	M80B	Z	0	0	0	%100

Member Distributed Loads (BLC 58 : Structure Wi (150 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
85	M82	X	1.841	1.841	0	%100
86	M82	Z	3.188	3.188	0	%100
87	MP4B	X	1.636	1.636	0	%100
88	MP4B	Z	2.833	2.833	0	%100
89	MP3B	X	1.636	1.636	0	%100
90	MP3B	Z	2.833	2.833	0	%100
91	MP2B	X	1.636	1.636	0	%100
92	MP2B	Z	2.833	2.833	0	%100
93	MP1B	X	1.636	1.636	0	%100
94	MP1B	Z	2.833	2.833	0	%100
95	M96	X	1.286	1.286	0	%100
96	M96	Z	2.228	2.228	0	%100
97	M97	X	1.25	1.25	0	%100
98	M97	Z	2.164	2.164	0	%100
99	M98	X	1.25	1.25	0	%100
100	M98	Z	2.164	2.164	0	%100
101	M103	X	.592	.592	0	%100
102	M103	Z	1.025	1.025	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	0	0	0	%100
105	M106	X	.592	.592	0	%100
106	M106	Z	1.025	1.025	0	%100
107	M107	X	1.792	1.792	0	%100
108	M107	Z	3.103	3.103	0	%100
109	OVP1	X	1.443	1.443	0	%100
110	OVP1	Z	2.5	2.5	0	%100
111	OVP2	X	1.443	1.443	0	%100
112	OVP2	Z	2.5	2.5	0	%100
113	M119	X	0	0	0	%100
114	M119	Z	0	0	0	%100
115	M120	X	1.046	1.046	0	%100
116	M120	Z	1.811	1.811	0	%100
117	M121	X	1.046	1.046	0	%100
118	M121	Z	1.811	1.811	0	%100
119	M122	X	1.286	1.286	0	%100
120	M122	Z	2.228	2.228	0	%100
121	M123	X	0	0	0	%100
122	M123	Z	0	0	0	%100
123	M124	X	1.201	1.201	0	%100
124	M124	Z	2.081	2.081	0	%100

Member Distributed Loads (BLC 59 : Structure Wi (180 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	LV	X	0	0	0	%100
2	LV	Z	4.091	4.091	0	%100
3	M72A	X	0	0	0	%100
4	M72A	Z	0	0	0	%100
5	M75	X	0	0	0	%100
6	M75	Z	4.761	4.761	0	%100
7	M78	X	0	0	0	%100
8	M78	Z	.889	.889	0	%100

Member Distributed Loads (BLC 59 : Structure Wi (180 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
9	M79	X	0	0	0	%100
10	M79	Z	.889	.889	0	%100
11	M87A	X	0	0	0	%100
12	M87A	Z	1.227	1.227	0	%100
13	M92	X	0	0	0	%100
14	M92	Z	1.227	1.227	0	%100
15	MP4A	X	0	0	0	%100
16	MP4A	Z	3.272	3.272	0	%100
17	MP3A	X	0	0	0	%100
18	MP3A	Z	3.272	3.272	0	%100
19	MP2A	X	0	0	0	%100
20	MP2A	Z	3.272	3.272	0	%100
21	MP1A	X	0	0	0	%100
22	MP1A	Z	3.272	3.272	0	%100
23	M37	X	0	0	0	%100
24	M37	Z	3.204	3.204	0	%100
25	M37A	X	0	0	0	%100
26	M37A	Z	3.332	3.332	0	%100
27	M38	X	0	0	0	%100
28	M38	Z	3.332	3.332	0	%100
29	M43	X	0	0	0	%100
30	M43	Z	0	0	0	%100
31	M44	X	0	0	0	%100
32	M44	Z	1.194	1.194	0	%100
33	M46	X	0	0	0	%100
34	M46	Z	0	0	0	%100
35	M47	X	0	0	0	%100
36	M47	Z	1.194	1.194	0	%100
37	M37B	X	0	0	0	%100
38	M37B	Z	1.023	1.023	0	%100
39	M38A	X	0	0	0	%100
40	M38A	Z	3.139	3.139	0	%100
41	M39A	X	0	0	0	%100
42	M39A	Z	1.19	1.19	0	%100
43	M40A	X	0	0	0	%100
44	M40A	Z	.917	.917	0	%100
45	M41A	X	0	0	0	%100
46	M41A	Z	3.612	3.612	0	%100
47	M44A	X	0	0	0	%100
48	M44A	Z	4.908	4.908	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	1.227	1.227	0	%100
51	MP4C	X	0	0	0	%100
52	MP4C	Z	3.272	3.272	0	%100
53	MP3C	X	0	0	0	%100
54	MP3C	Z	3.272	3.272	0	%100
55	MP2C	X	0	0	0	%100
56	MP2C	Z	3.272	3.272	0	%100
57	MP1C	X	0	0	0	%100
58	MP1C	Z	3.272	3.272	0	%100
59	M60	X	0	0	0	%100
60	M60	Z	.801	.801	0	%100

Member Distributed Loads (BLC 59 : Structure Wi (180 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
61	M61	X	0	0	0	%100
62	M61	Z	.833	.833	0	%100
63	M62	X	0	0	0	%100
64	M62	Z	.833	.833	0	%100
65	M67	X	0	0	0	%100
66	M67	Z	3.551	3.551	0	%100
67	M68	X	0	0	0	%100
68	M68	Z	4.778	4.778	0	%100
69	M70	X	0	0	0	%100
70	M70	Z	3.551	3.551	0	%100
71	M71	X	0	0	0	%100
72	M71	Z	1.194	1.194	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	1.023	1.023	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	3.139	3.139	0	%100
77	M75B	X	0	0	0	%100
78	M75B	Z	1.19	1.19	0	%100
79	M76	X	0	0	0	%100
80	M76	Z	3.612	3.612	0	%100
81	M77	X	0	0	0	%100
82	M77	Z	.917	.917	0	%100
83	M80B	X	0	0	0	%100
84	M80B	Z	1.227	1.227	0	%100
85	M82	X	0	0	0	%100
86	M82	Z	4.908	4.908	0	%100
87	MP4B	X	0	0	0	%100
88	MP4B	Z	3.272	3.272	0	%100
89	MP3B	X	0	0	0	%100
90	MP3B	Z	3.272	3.272	0	%100
91	MP2B	X	0	0	0	%100
92	MP2B	Z	3.272	3.272	0	%100
93	MP1B	X	0	0	0	%100
94	MP1B	Z	3.272	3.272	0	%100
95	M96	X	0	0	0	%100
96	M96	Z	.858	.858	0	%100
97	M97	X	0	0	0	%100
98	M97	Z	.833	.833	0	%100
99	M98	X	0	0	0	%100
100	M98	Z	.833	.833	0	%100
101	M103	X	0	0	0	%100
102	M103	Z	3.551	3.551	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	1.194	1.194	0	%100
105	M106	X	0	0	0	%100
106	M106	Z	3.551	3.551	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	4.778	4.778	0	%100
109	OVP1	X	0	0	0	%100
110	OVP1	Z	2.887	2.887	0	%100
111	OVP2	X	0	0	0	%100
112	OVP2	Z	2.887	2.887	0	%100

Member Distributed Loads (BLC 59 : Structure Wi (180 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
113	M119	X	0	0	0	%100
114	M119	Z	.697	.697	0	%100
115	M120	X	0	0	0	%100
116	M120	Z	.697	.697	0	%100
117	M121	X	0	0	0	%100
118	M121	Z	2.789	2.789	0	%100
119	M122	X	0	0	0	%100
120	M122	Z	3.43	3.43	0	%100
121	M123	X	0	0	0	%100
122	M123	Z	.858	.858	0	%100
123	M124	X	0	0	0	%100
124	M124	Z	.801	.801	0	%100

Member Distributed Loads (BLC 60 : Structure Wi (210 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	LV	X	-1.534	-1.534	0	%100
2	LV	Z	2.657	2.657	0	%100
3	M72A	X	-.523	-.523	0	%100
4	M72A	Z	.906	.906	0	%100
5	M75	X	-1.785	-1.785	0	%100
6	M75	Z	3.092	3.092	0	%100
7	M78	X	-1.347	-1.347	0	%100
8	M78	Z	2.334	2.334	0	%100
9	M79	X	-3.7e-5	-3.7e-5	0	%100
10	M79	Z	6.5e-5	6.5e-5	0	%100
11	M87A	X	0	0	0	%100
12	M87A	Z	0	0	0	%100
13	M92	X	-1.841	-1.841	0	%100
14	M92	Z	3.188	3.188	0	%100
15	MP4A	X	-1.636	-1.636	0	%100
16	MP4A	Z	2.833	2.833	0	%100
17	MP3A	X	-1.636	-1.636	0	%100
18	MP3A	Z	2.833	2.833	0	%100
19	MP2A	X	-1.636	-1.636	0	%100
20	MP2A	Z	2.833	2.833	0	%100
21	MP1A	X	-1.636	-1.636	0	%100
22	MP1A	Z	2.833	2.833	0	%100
23	M37	X	-1.201	-1.201	0	%100
24	M37	Z	2.081	2.081	0	%100
25	M37A	X	-1.25	-1.25	0	%100
26	M37A	Z	2.164	2.164	0	%100
27	M38	X	-1.25	-1.25	0	%100
28	M38	Z	2.164	2.164	0	%100
29	M43	X	-.592	-.592	0	%100
30	M43	Z	1.025	1.025	0	%100
31	M44	X	0	0	0	%100
32	M44	Z	0	0	0	%100
33	M46	X	-.592	-.592	0	%100
34	M46	Z	1.025	1.025	0	%100
35	M47	X	-1.792	-1.792	0	%100
36	M47	Z	3.103	3.103	0	%100

Member Distributed Loads (BLC 60 : Structure Wi (210 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	M37B	X	-1.534	-1.534	0	%100
38	M37B	Z	2.657	2.657	0	%100
39	M38A	X	-.523	-.523	0	%100
40	M38A	Z	.906	.906	0	%100
41	M39A	X	-1.785	-1.785	0	%100
42	M39A	Z	3.092	3.092	0	%100
43	M40A	X	-3.7e-5	-3.7e-5	0	%100
44	M40A	Z	6.5e-5	6.5e-5	0	%100
45	M41A	X	-1.347	-1.347	0	%100
46	M41A	Z	2.334	2.334	0	%100
47	M44A	X	-1.841	-1.841	0	%100
48	M44A	Z	3.188	3.188	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	0	0	0	%100
51	MP4C	X	-1.636	-1.636	0	%100
52	MP4C	Z	2.833	2.833	0	%100
53	MP3C	X	-1.636	-1.636	0	%100
54	MP3C	Z	2.833	2.833	0	%100
55	MP2C	X	-1.636	-1.636	0	%100
56	MP2C	Z	2.833	2.833	0	%100
57	MP1C	X	-1.636	-1.636	0	%100
58	MP1C	Z	2.833	2.833	0	%100
59	M60	X	-1.201	-1.201	0	%100
60	M60	Z	2.081	2.081	0	%100
61	M61	X	-1.25	-1.25	0	%100
62	M61	Z	2.164	2.164	0	%100
63	M62	X	-1.25	-1.25	0	%100
64	M62	Z	2.164	2.164	0	%100
65	M67	X	-.592	-.592	0	%100
66	M67	Z	1.025	1.025	0	%100
67	M68	X	-1.792	-1.792	0	%100
68	M68	Z	3.103	3.103	0	%100
69	M70	X	-.592	-.592	0	%100
70	M70	Z	1.025	1.025	0	%100
71	M71	X	0	0	0	%100
72	M71	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	-2.093	-2.093	0	%100
76	M74	Z	3.625	3.625	0	%100
77	M75B	X	0	0	0	%100
78	M75B	Z	0	0	0	%100
79	M76	X	-1.361	-1.361	0	%100
80	M76	Z	2.358	2.358	0	%100
81	M77	X	-1.362	-1.362	0	%100
82	M77	Z	2.358	2.358	0	%100
83	M80B	X	-1.841	-1.841	0	%100
84	M80B	Z	3.188	3.188	0	%100
85	M82	X	-1.841	-1.841	0	%100
86	M82	Z	3.188	3.188	0	%100
87	MP4B	X	-1.636	-1.636	0	%100
88	MP4B	Z	2.833	2.833	0	%100

Member Distributed Loads (BLC 60 : Structure Wi (210 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
89	MP3B	X	-1.636	-1.636	0	%100
90	MP3B	Z	2.833	2.833	0	%100
91	MP2B	X	-1.636	-1.636	0	%100
92	MP2B	Z	2.833	2.833	0	%100
93	MP1B	X	-1.636	-1.636	0	%100
94	MP1B	Z	2.833	2.833	0	%100
95	M96	X	0	0	0	%100
96	M96	Z	0	0	0	%100
97	M97	X	0	0	0	%100
98	M97	Z	0	0	0	%100
99	M98	X	0	0	0	%100
100	M98	Z	0	0	0	%100
101	M103	X	-2.367	-2.367	0	%100
102	M103	Z	4.1	4.1	0	%100
103	M104	X	-1.792	-1.792	0	%100
104	M104	Z	3.103	3.103	0	%100
105	M106	X	-2.367	-2.367	0	%100
106	M106	Z	4.1	4.1	0	%100
107	M107	X	-1.792	-1.792	0	%100
108	M107	Z	3.103	3.103	0	%100
109	OVP1	X	-1.443	-1.443	0	%100
110	OVP1	Z	2.5	2.5	0	%100
111	OVP2	X	-1.443	-1.443	0	%100
112	OVP2	Z	2.5	2.5	0	%100
113	M119	X	-1.046	-1.046	0	%100
114	M119	Z	1.811	1.811	0	%100
115	M120	X	0	0	0	%100
116	M120	Z	0	0	0	%100
117	M121	X	-1.046	-1.046	0	%100
118	M121	Z	1.811	1.811	0	%100
119	M122	X	-1.286	-1.286	0	%100
120	M122	Z	2.228	2.228	0	%100
121	M123	X	-1.286	-1.286	0	%100
122	M123	Z	2.228	2.228	0	%100
123	M124	X	0	0	0	%100
124	M124	Z	0	0	0	%100

Member Distributed Loads (BLC 61 : Structure Wi (240 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	LV	X	-.886	-.886	0	%100
2	LV	Z	.511	.511	0	%100
3	M72A	X	-2.719	-2.719	0	%100
4	M72A	Z	1.57	1.57	0	%100
5	M75	X	-1.031	-1.031	0	%100
6	M75	Z	.595	.595	0	%100
7	M78	X	-3.128	-3.128	0	%100
8	M78	Z	1.806	1.806	0	%100
9	M79	X	-.794	-.794	0	%100
10	M79	Z	.459	.459	0	%100
11	M87A	X	-1.063	-1.063	0	%100
12	M87A	Z	.614	.614	0	%100

Member Distributed Loads (BLC 61 : Structure Wi (240 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	M92	X	-4.251	-4.251	0	%100
14	M92	Z	2.454	2.454	0	%100
15	MP4A	X	-2.833	-2.833	0	%100
16	MP4A	Z	1.636	1.636	0	%100
17	MP3A	X	-2.833	-2.833	0	%100
18	MP3A	Z	1.636	1.636	0	%100
19	MP2A	X	-2.833	-2.833	0	%100
20	MP2A	Z	1.636	1.636	0	%100
21	MP1A	X	-2.833	-2.833	0	%100
22	MP1A	Z	1.636	1.636	0	%100
23	M37	X	-.694	-.694	0	%100
24	M37	Z	.4	.4	0	%100
25	M37A	X	-.721	-.721	0	%100
26	M37A	Z	.417	.417	0	%100
27	M38	X	-.721	-.721	0	%100
28	M38	Z	.417	.417	0	%100
29	M43	X	-3.075	-3.075	0	%100
30	M43	Z	1.775	1.775	0	%100
31	M44	X	-1.034	-1.034	0	%100
32	M44	Z	.597	.597	0	%100
33	M46	X	-3.075	-3.075	0	%100
34	M46	Z	1.775	1.775	0	%100
35	M47	X	-4.138	-4.138	0	%100
36	M47	Z	2.389	2.389	0	%100
37	M37B	X	-3.543	-3.543	0	%100
38	M37B	Z	2.046	2.046	0	%100
39	M38A	X	0	0	0	%100
40	M38A	Z	0	0	0	%100
41	M39A	X	-4.123	-4.123	0	%100
42	M39A	Z	2.381	2.381	0	%100
43	M40A	X	-.77	-.77	0	%100
44	M40A	Z	.444	.444	0	%100
45	M41A	X	-.77	-.77	0	%100
46	M41A	Z	.444	.444	0	%100
47	M44A	X	-1.063	-1.063	0	%100
48	M44A	Z	.614	.614	0	%100
49	M46A	X	-1.063	-1.063	0	%100
50	M46A	Z	.614	.614	0	%100
51	MP4C	X	-2.833	-2.833	0	%100
52	MP4C	Z	1.636	1.636	0	%100
53	MP3C	X	-2.833	-2.833	0	%100
54	MP3C	Z	1.636	1.636	0	%100
55	MP2C	X	-2.833	-2.833	0	%100
56	MP2C	Z	1.636	1.636	0	%100
57	MP1C	X	-2.833	-2.833	0	%100
58	MP1C	Z	1.636	1.636	0	%100
59	M60	X	-2.775	-2.775	0	%100
60	M60	Z	1.602	1.602	0	%100
61	M61	X	-2.886	-2.886	0	%100
62	M61	Z	1.666	1.666	0	%100
63	M62	X	-2.886	-2.886	0	%100
64	M62	Z	1.666	1.666	0	%100

Member Distributed Loads (BLC 61 : Structure Wi (240 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
65	M67	X	0	0	0	%100
66	M67	Z	0	0	0	%100
67	M68	X	-1.034	-1.034	0	%100
68	M68	Z	.597	.597	0	%100
69	M70	X	0	0	0	%100
70	M70	Z	0	0	0	%100
71	M71	X	-1.034	-1.034	0	%100
72	M71	Z	.597	.597	0	%100
73	M73	X	-.886	-.886	0	%100
74	M73	Z	.511	.511	0	%100
75	M74	X	-2.719	-2.719	0	%100
76	M74	Z	1.57	1.57	0	%100
77	M75B	X	-1.031	-1.031	0	%100
78	M75B	Z	.595	.595	0	%100
79	M76	X	-.794	-.794	0	%100
80	M76	Z	.459	.459	0	%100
81	M77	X	-3.128	-3.128	0	%100
82	M77	Z	1.806	1.806	0	%100
83	M80B	X	-4.251	-4.251	0	%100
84	M80B	Z	2.454	2.454	0	%100
85	M82	X	-1.063	-1.063	0	%100
86	M82	Z	.614	.614	0	%100
87	MP4B	X	-2.833	-2.833	0	%100
88	MP4B	Z	1.636	1.636	0	%100
89	MP3B	X	-2.833	-2.833	0	%100
90	MP3B	Z	1.636	1.636	0	%100
91	MP2B	X	-2.833	-2.833	0	%100
92	MP2B	Z	1.636	1.636	0	%100
93	MP1B	X	-2.833	-2.833	0	%100
94	MP1B	Z	1.636	1.636	0	%100
95	M96	X	-.743	-.743	0	%100
96	M96	Z	.429	.429	0	%100
97	M97	X	-.721	-.721	0	%100
98	M97	Z	.417	.417	0	%100
99	M98	X	-.721	-.721	0	%100
100	M98	Z	.417	.417	0	%100
101	M103	X	-3.075	-3.075	0	%100
102	M103	Z	1.775	1.775	0	%100
103	M104	X	-4.138	-4.138	0	%100
104	M104	Z	2.389	2.389	0	%100
105	M106	X	-3.075	-3.075	0	%100
106	M106	Z	1.775	1.775	0	%100
107	M107	X	-1.034	-1.034	0	%100
108	M107	Z	.597	.597	0	%100
109	OVP1	X	-2.5	-2.5	0	%100
110	OVP1	Z	1.443	1.443	0	%100
111	OVP2	X	-2.5	-2.5	0	%100
112	OVP2	Z	1.443	1.443	0	%100
113	M119	X	-2.415	-2.415	0	%100
114	M119	Z	1.394	1.394	0	%100
115	M120	X	-.604	-.604	0	%100
116	M120	Z	.349	.349	0	%100

Member Distributed Loads (BLC 61 : Structure Wi (240 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
117	M121	X	-.604	-.604	0	%100
118	M121	Z	.349	.349	0	%100
119	M122	X	-.743	-.743	0	%100
120	M122	Z	.429	.429	0	%100
121	M123	X	-2.971	-2.971	0	%100
122	M123	Z	1.715	1.715	0	%100
123	M124	X	-.694	-.694	0	%100
124	M124	Z	.4	.4	0	%100

Member Distributed Loads (BLC 62 : Structure Wi (270 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	LV	X	0	0	0	%100
2	LV	Z	0	0	0	%100
3	M72A	X	-4.185	-4.185	0	%100
4	M72A	Z	0	0	0	%100
5	M75	X	0	0	0	%100
6	M75	Z	0	0	0	%100
7	M78	X	-2.723	-2.723	0	%100
8	M78	Z	0	0	0	%100
9	M79	X	-2.723	-2.723	0	%100
10	M79	Z	0	0	0	%100
11	M87A	X	-3.681	-3.681	0	%100
12	M87A	Z	0	0	0	%100
13	M92	X	-3.681	-3.681	0	%100
14	M92	Z	0	0	0	%100
15	MP4A	X	-3.272	-3.272	0	%100
16	MP4A	Z	0	0	0	%100
17	MP3A	X	-3.272	-3.272	0	%100
18	MP3A	Z	0	0	0	%100
19	MP2A	X	-3.272	-3.272	0	%100
20	MP2A	Z	0	0	0	%100
21	MP1A	X	-3.272	-3.272	0	%100
22	MP1A	Z	0	0	0	%100
23	M37	X	0	0	0	%100
24	M37	Z	0	0	0	%100
25	M37A	X	0	0	0	%100
26	M37A	Z	0	0	0	%100
27	M38	X	0	0	0	%100
28	M38	Z	0	0	0	%100
29	M43	X	-4.734	-4.734	0	%100
30	M43	Z	0	0	0	%100
31	M44	X	-3.583	-3.583	0	%100
32	M44	Z	0	0	0	%100
33	M46	X	-4.734	-4.734	0	%100
34	M46	Z	0	0	0	%100
35	M47	X	-3.583	-3.583	0	%100
36	M47	Z	0	0	0	%100
37	M37B	X	-3.068	-3.068	0	%100
38	M37B	Z	0	0	0	%100
39	M38A	X	-1.046	-1.046	0	%100
40	M38A	Z	0	0	0	%100

Member Distributed Loads (BLC 62 : Structure Wi (270 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
41	M39A	X	-3.571	-3.571	0	%100
42	M39A	Z	0	0	0	%100
43	M40A	X	-2.695	-2.695	0	%100
44	M40A	Z	0	0	0	%100
45	M41A	X	-7.5e-5	-7.5e-5	0	%100
46	M41A	Z	0	0	0	%100
47	M44A	X	0	0	0	%100
48	M44A	Z	0	0	0	%100
49	M46A	X	-3.681	-3.681	0	%100
50	M46A	Z	0	0	0	%100
51	MP4C	X	-3.272	-3.272	0	%100
52	MP4C	Z	0	0	0	%100
53	MP3C	X	-3.272	-3.272	0	%100
54	MP3C	Z	0	0	0	%100
55	MP2C	X	-3.272	-3.272	0	%100
56	MP2C	Z	0	0	0	%100
57	MP1C	X	-3.272	-3.272	0	%100
58	MP1C	Z	0	0	0	%100
59	M60	X	-2.403	-2.403	0	%100
60	M60	Z	0	0	0	%100
61	M61	X	-2.499	-2.499	0	%100
62	M61	Z	0	0	0	%100
63	M62	X	-2.499	-2.499	0	%100
64	M62	Z	0	0	0	%100
65	M67	X	-1.184	-1.184	0	%100
66	M67	Z	0	0	0	%100
67	M68	X	0	0	0	%100
68	M68	Z	0	0	0	%100
69	M70	X	-1.184	-1.184	0	%100
70	M70	Z	0	0	0	%100
71	M71	X	-3.583	-3.583	0	%100
72	M71	Z	0	0	0	%100
73	M73	X	-3.068	-3.068	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	-1.046	-1.046	0	%100
76	M74	Z	0	0	0	%100
77	M75B	X	-3.571	-3.571	0	%100
78	M75B	Z	0	0	0	%100
79	M76	X	-7.5e-5	-7.5e-5	0	%100
80	M76	Z	0	0	0	%100
81	M77	X	-2.695	-2.695	0	%100
82	M77	Z	0	0	0	%100
83	M80B	X	-3.681	-3.681	0	%100
84	M80B	Z	0	0	0	%100
85	M82	X	0	0	0	%100
86	M82	Z	0	0	0	%100
87	MP4B	X	-3.272	-3.272	0	%100
88	MP4B	Z	0	0	0	%100
89	MP3B	X	-3.272	-3.272	0	%100
90	MP3B	Z	0	0	0	%100
91	MP2B	X	-3.272	-3.272	0	%100
92	MP2B	Z	0	0	0	%100

Member Distributed Loads (BLC 62 : Structure Wi (270 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
93	MP1B	X	-3.272	-3.272	0	%100
94	MP1B	Z	0	0	0	%100
95	M96	X	-2.573	-2.573	0	%100
96	M96	Z	0	0	0	%100
97	M97	X	-2.499	-2.499	0	%100
98	M97	Z	0	0	0	%100
99	M98	X	-2.499	-2.499	0	%100
100	M98	Z	0	0	0	%100
101	M103	X	-1.184	-1.184	0	%100
102	M103	Z	0	0	0	%100
103	M104	X	-3.583	-3.583	0	%100
104	M104	Z	0	0	0	%100
105	M106	X	-1.184	-1.184	0	%100
106	M106	Z	0	0	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	0	0	0	%100
109	OVP1	X	-2.887	-2.887	0	%100
110	OVP1	Z	0	0	0	%100
111	OVP2	X	-2.887	-2.887	0	%100
112	OVP2	Z	0	0	0	%100
113	M119	X	-2.091	-2.091	0	%100
114	M119	Z	0	0	0	%100
115	M120	X	-2.091	-2.091	0	%100
116	M120	Z	0	0	0	%100
117	M121	X	0	0	0	%100
118	M121	Z	0	0	0	%100
119	M122	X	0	0	0	%100
120	M122	Z	0	0	0	%100
121	M123	X	-2.573	-2.573	0	%100
122	M123	Z	0	0	0	%100
123	M124	X	-2.403	-2.403	0	%100
124	M124	Z	0	0	0	%100

Member Distributed Loads (BLC 63 : Structure Wi (300 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	LV	X	-.886	-.886	0	%100
2	LV	Z	-.511	-.511	0	%100
3	M72A	X	-2.719	-2.719	0	%100
4	M72A	Z	-1.57	-1.57	0	%100
5	M75	X	-1.031	-1.031	0	%100
6	M75	Z	-.595	-.595	0	%100
7	M78	X	-.794	-.794	0	%100
8	M78	Z	-.459	-.459	0	%100
9	M79	X	-3.128	-3.128	0	%100
10	M79	Z	-1.806	-1.806	0	%100
11	M87A	X	-4.251	-4.251	0	%100
12	M87A	Z	-2.454	-2.454	0	%100
13	M92	X	-1.063	-1.063	0	%100
14	M92	Z	-.614	-.614	0	%100
15	MP4A	X	-2.833	-2.833	0	%100
16	MP4A	Z	-1.636	-1.636	0	%100

Member Distributed Loads (BLC 63 : Structure Wi (300 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	MP3A	X	-2.833	-2.833	0	%100
18	MP3A	Z	-1.636	-1.636	0	%100
19	MP2A	X	-2.833	-2.833	0	%100
20	MP2A	Z	-1.636	-1.636	0	%100
21	MP1A	X	-2.833	-2.833	0	%100
22	MP1A	Z	-1.636	-1.636	0	%100
23	M37	X	-.694	-.694	0	%100
24	M37	Z	-.4	-.4	0	%100
25	M37A	X	-.721	-.721	0	%100
26	M37A	Z	-.417	-.417	0	%100
27	M38	X	-.721	-.721	0	%100
28	M38	Z	-.417	-.417	0	%100
29	M43	X	-3.075	-3.075	0	%100
30	M43	Z	-1.775	-1.775	0	%100
31	M44	X	-4.138	-4.138	0	%100
32	M44	Z	-2.389	-2.389	0	%100
33	M46	X	-3.075	-3.075	0	%100
34	M46	Z	-1.775	-1.775	0	%100
35	M47	X	-1.034	-1.034	0	%100
36	M47	Z	-.597	-.597	0	%100
37	M37B	X	-.886	-.886	0	%100
38	M37B	Z	-.511	-.511	0	%100
39	M38A	X	-2.719	-2.719	0	%100
40	M38A	Z	-1.57	-1.57	0	%100
41	M39A	X	-1.031	-1.031	0	%100
42	M39A	Z	-.595	-.595	0	%100
43	M40A	X	-3.128	-3.128	0	%100
44	M40A	Z	-1.806	-1.806	0	%100
45	M41A	X	-.794	-.794	0	%100
46	M41A	Z	-.459	-.459	0	%100
47	M44A	X	-1.063	-1.063	0	%100
48	M44A	Z	-.614	-.614	0	%100
49	M46A	X	-4.251	-4.251	0	%100
50	M46A	Z	-2.454	-2.454	0	%100
51	MP4C	X	-2.833	-2.833	0	%100
52	MP4C	Z	-1.636	-1.636	0	%100
53	MP3C	X	-2.833	-2.833	0	%100
54	MP3C	Z	-1.636	-1.636	0	%100
55	MP2C	X	-2.833	-2.833	0	%100
56	MP2C	Z	-1.636	-1.636	0	%100
57	MP1C	X	-2.833	-2.833	0	%100
58	MP1C	Z	-1.636	-1.636	0	%100
59	M60	X	-.694	-.694	0	%100
60	M60	Z	-.4	-.4	0	%100
61	M61	X	-.721	-.721	0	%100
62	M61	Z	-.417	-.417	0	%100
63	M62	X	-.721	-.721	0	%100
64	M62	Z	-.417	-.417	0	%100
65	M67	X	-3.075	-3.075	0	%100
66	M67	Z	-1.775	-1.775	0	%100
67	M68	X	-1.034	-1.034	0	%100
68	M68	Z	-.597	-.597	0	%100

Member Distributed Loads (BLC 63 : Structure Wi (300 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
69	M70	X	-3.075	-3.075	0	%100
70	M70	Z	-1.775	-1.775	0	%100
71	M71	X	-4.138	-4.138	0	%100
72	M71	Z	-2.389	-2.389	0	%100
73	M73	X	-3.543	-3.543	0	%100
74	M73	Z	-2.046	-2.046	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75B	X	-4.123	-4.123	0	%100
78	M75B	Z	-2.381	-2.381	0	%100
79	M76	X	-.77	-.77	0	%100
80	M76	Z	-.444	-.444	0	%100
81	M77	X	-.77	-.77	0	%100
82	M77	Z	-.444	-.444	0	%100
83	M80B	X	-1.063	-1.063	0	%100
84	M80B	Z	-.614	-.614	0	%100
85	M82	X	-1.063	-1.063	0	%100
86	M82	Z	-.614	-.614	0	%100
87	MP4B	X	-2.833	-2.833	0	%100
88	MP4B	Z	-1.636	-1.636	0	%100
89	MP3B	X	-2.833	-2.833	0	%100
90	MP3B	Z	-1.636	-1.636	0	%100
91	MP2B	X	-2.833	-2.833	0	%100
92	MP2B	Z	-1.636	-1.636	0	%100
93	MP1B	X	-2.833	-2.833	0	%100
94	MP1B	Z	-1.636	-1.636	0	%100
95	M96	X	-2.971	-2.971	0	%100
96	M96	Z	-1.715	-1.715	0	%100
97	M97	X	-2.886	-2.886	0	%100
98	M97	Z	-1.666	-1.666	0	%100
99	M98	X	-2.886	-2.886	0	%100
100	M98	Z	-1.666	-1.666	0	%100
101	M103	X	0	0	0	%100
102	M103	Z	0	0	0	%100
103	M104	X	-1.034	-1.034	0	%100
104	M104	Z	-.597	-.597	0	%100
105	M106	X	0	0	0	%100
106	M106	Z	0	0	0	%100
107	M107	X	-1.034	-1.034	0	%100
108	M107	Z	-.597	-.597	0	%100
109	OVP1	X	-2.5	-2.5	0	%100
110	OVP1	Z	-1.443	-1.443	0	%100
111	OVP2	X	-2.5	-2.5	0	%100
112	OVP2	Z	-1.443	-1.443	0	%100
113	M119	X	-.604	-.604	0	%100
114	M119	Z	-.349	-.349	0	%100
115	M120	X	-2.415	-2.415	0	%100
116	M120	Z	-1.394	-1.394	0	%100
117	M121	X	-.604	-.604	0	%100
118	M121	Z	-.349	-.349	0	%100
119	M122	X	-.743	-.743	0	%100
120	M122	Z	-.429	-.429	0	%100

Member Distributed Loads (BLC 63 : Structure Wi (300 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
121	M123	X	-.743	-.743	0	%100
122	M123	Z	-.429	-.429	0	%100
123	M124	X	-2.775	-2.775	0	%100
124	M124	Z	-1.602	-1.602	0	%100

Member Distributed Loads (BLC 64 : Structure Wi (330 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	LV	X	-1.534	-1.534	0	%100
2	LV	Z	-2.657	-2.657	0	%100
3	M72A	X	-.523	-.523	0	%100
4	M72A	Z	-.906	-.906	0	%100
5	M75	X	-1.785	-1.785	0	%100
6	M75	Z	-3.092	-3.092	0	%100
7	M78	X	-3.7e-5	-3.7e-5	0	%100
8	M78	Z	-6.5e-5	-6.5e-5	0	%100
9	M79	X	-1.347	-1.347	0	%100
10	M79	Z	-2.334	-2.334	0	%100
11	M87A	X	-1.841	-1.841	0	%100
12	M87A	Z	-3.188	-3.188	0	%100
13	M92	X	0	0	0	%100
14	M92	Z	0	0	0	%100
15	MP4A	X	-1.636	-1.636	0	%100
16	MP4A	Z	-2.833	-2.833	0	%100
17	MP3A	X	-1.636	-1.636	0	%100
18	MP3A	Z	-2.833	-2.833	0	%100
19	MP2A	X	-1.636	-1.636	0	%100
20	MP2A	Z	-2.833	-2.833	0	%100
21	MP1A	X	-1.636	-1.636	0	%100
22	MP1A	Z	-2.833	-2.833	0	%100
23	M37	X	-1.201	-1.201	0	%100
24	M37	Z	-2.081	-2.081	0	%100
25	M37A	X	-1.25	-1.25	0	%100
26	M37A	Z	-2.164	-2.164	0	%100
27	M38	X	-1.25	-1.25	0	%100
28	M38	Z	-2.164	-2.164	0	%100
29	M43	X	-.592	-.592	0	%100
30	M43	Z	-1.025	-1.025	0	%100
31	M44	X	-1.792	-1.792	0	%100
32	M44	Z	-3.103	-3.103	0	%100
33	M46	X	-.592	-.592	0	%100
34	M46	Z	-1.025	-1.025	0	%100
35	M47	X	0	0	0	%100
36	M47	Z	0	0	0	%100
37	M37B	X	0	0	0	%100
38	M37B	Z	0	0	0	%100
39	M38A	X	-2.093	-2.093	0	%100
40	M38A	Z	-3.625	-3.625	0	%100
41	M39A	X	0	0	0	%100
42	M39A	Z	0	0	0	%100
43	M40A	X	-1.361	-1.361	0	%100
44	M40A	Z	-2.358	-2.358	0	%100

Member Distributed Loads (BLC 64 : Structure Wi (330 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
45	M41A	X	-1.362	-1.362	0	%100
46	M41A	Z	-2.358	-2.358	0	%100
47	M44A	X	-1.841	-1.841	0	%100
48	M44A	Z	-3.188	-3.188	0	%100
49	M46A	X	-1.841	-1.841	0	%100
50	M46A	Z	-3.188	-3.188	0	%100
51	MP4C	X	-1.636	-1.636	0	%100
52	MP4C	Z	-2.833	-2.833	0	%100
53	MP3C	X	-1.636	-1.636	0	%100
54	MP3C	Z	-2.833	-2.833	0	%100
55	MP2C	X	-1.636	-1.636	0	%100
56	MP2C	Z	-2.833	-2.833	0	%100
57	MP1C	X	-1.636	-1.636	0	%100
58	MP1C	Z	-2.833	-2.833	0	%100
59	M60	X	0	0	0	%100
60	M60	Z	0	0	0	%100
61	M61	X	0	0	0	%100
62	M61	Z	0	0	0	%100
63	M62	X	0	0	0	%100
64	M62	Z	0	0	0	%100
65	M67	X	-2.367	-2.367	0	%100
66	M67	Z	-4.1	-4.1	0	%100
67	M68	X	-1.792	-1.792	0	%100
68	M68	Z	-3.103	-3.103	0	%100
69	M70	X	-2.367	-2.367	0	%100
70	M70	Z	-4.1	-4.1	0	%100
71	M71	X	-1.792	-1.792	0	%100
72	M71	Z	-3.103	-3.103	0	%100
73	M73	X	-1.534	-1.534	0	%100
74	M73	Z	-2.657	-2.657	0	%100
75	M74	X	-.523	-.523	0	%100
76	M74	Z	-.906	-.906	0	%100
77	M75B	X	-1.785	-1.785	0	%100
78	M75B	Z	-3.092	-3.092	0	%100
79	M76	X	-1.347	-1.347	0	%100
80	M76	Z	-2.334	-2.334	0	%100
81	M77	X	-3.7e-5	-3.7e-5	0	%100
82	M77	Z	-6.5e-5	-6.5e-5	0	%100
83	M80B	X	0	0	0	%100
84	M80B	Z	0	0	0	%100
85	M82	X	-1.841	-1.841	0	%100
86	M82	Z	-3.188	-3.188	0	%100
87	MP4B	X	-1.636	-1.636	0	%100
88	MP4B	Z	-2.833	-2.833	0	%100
89	MP3B	X	-1.636	-1.636	0	%100
90	MP3B	Z	-2.833	-2.833	0	%100
91	MP2B	X	-1.636	-1.636	0	%100
92	MP2B	Z	-2.833	-2.833	0	%100
93	MP1B	X	-1.636	-1.636	0	%100
94	MP1B	Z	-2.833	-2.833	0	%100
95	M96	X	-1.286	-1.286	0	%100
96	M96	Z	-2.228	-2.228	0	%100

Member Distributed Loads (BLC 64 : Structure Wi (330 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
97	M97	X	-1.25	-1.25	0	%100
98	M97	Z	-2.164	-2.164	0	%100
99	M98	X	-1.25	-1.25	0	%100
100	M98	Z	-2.164	-2.164	0	%100
101	M103	X	-.592	-.592	0	%100
102	M103	Z	-1.025	-1.025	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	0	0	0	%100
105	M106	X	-.592	-.592	0	%100
106	M106	Z	-1.025	-1.025	0	%100
107	M107	X	-1.792	-1.792	0	%100
108	M107	Z	-3.103	-3.103	0	%100
109	OVP1	X	-1.443	-1.443	0	%100
110	OVP1	Z	-2.5	-2.5	0	%100
111	OVP2	X	-1.443	-1.443	0	%100
112	OVP2	Z	-2.5	-2.5	0	%100
113	M119	X	0	0	0	%100
114	M119	Z	0	0	0	%100
115	M120	X	-1.046	-1.046	0	%100
116	M120	Z	-1.811	-1.811	0	%100
117	M121	X	-1.046	-1.046	0	%100
118	M121	Z	-1.811	-1.811	0	%100
119	M122	X	-1.286	-1.286	0	%100
120	M122	Z	-2.228	-2.228	0	%100
121	M123	X	0	0	0	%100
122	M123	Z	0	0	0	%100
123	M124	X	-1.201	-1.201	0	%100
124	M124	Z	-2.081	-2.081	0	%100

Member Distributed Loads (BLC 65 : Structure Wm (0 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	LV	X	0	0	0	%100
2	LV	Z	-.74	-.74	0	%100
3	M72A	X	0	0	0	%100
4	M72A	Z	0	0	0	%100
5	M75	X	0	0	0	%100
6	M75	Z	-1.269	-1.269	0	%100
7	M78	X	0	0	0	%100
8	M78	Z	-.174	-.174	0	%100
9	M79	X	0	0	0	%100
10	M79	Z	-.174	-.174	0	%100
11	M87A	X	0	0	0	%100
12	M87A	Z	-.335	-.335	0	%100
13	M92	X	0	0	0	%100
14	M92	Z	-.335	-.335	0	%100
15	MP4A	X	0	0	0	%100
16	MP4A	Z	-.502	-.502	0	%100
17	MP3A	X	0	0	0	%100
18	MP3A	Z	-.502	-.502	0	%100
19	MP2A	X	0	0	0	%100
20	MP2A	Z	-.502	-.502	0	%100

Member Distributed Loads (BLC 65 : Structure Wm (0 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
21	MP1A	X	0	0	0	%100
22	MP1A	Z	-.502	-.502	0	%100
23	M37	X	0	0	0	%100
24	M37	Z	-.502	-.502	0	%100
25	M37A	X	0	0	0	%100
26	M37A	Z	-.693	-.693	0	%100
27	M38	X	0	0	0	%100
28	M38	Z	-.693	-.693	0	%100
29	M43	X	0	0	0	%100
30	M43	Z	0	0	0	%100
31	M44	X	0	0	0	%100
32	M44	Z	-.323	-.323	0	%100
33	M46	X	0	0	0	%100
34	M46	Z	0	0	0	%100
35	M47	X	0	0	0	%100
36	M47	Z	-.323	-.323	0	%100
37	M37B	X	0	0	0	%100
38	M37B	Z	-.185	-.185	0	%100
39	M38A	X	0	0	0	%100
40	M38A	Z	-.605	-.605	0	%100
41	M39A	X	0	0	0	%100
42	M39A	Z	-.317	-.317	0	%100
43	M40A	X	0	0	0	%100
44	M40A	Z	-.179	-.179	0	%100
45	M41A	X	0	0	0	%100
46	M41A	Z	-.705	-.705	0	%100
47	M44A	X	0	0	0	%100
48	M44A	Z	-1.34	-1.34	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	-.335	-.335	0	%100
51	MP4C	X	0	0	0	%100
52	MP4C	Z	-.502	-.502	0	%100
53	MP3C	X	0	0	0	%100
54	MP3C	Z	-.502	-.502	0	%100
55	MP2C	X	0	0	0	%100
56	MP2C	Z	-.502	-.502	0	%100
57	MP1C	X	0	0	0	%100
58	MP1C	Z	-.502	-.502	0	%100
59	M60	X	0	0	0	%100
60	M60	Z	-.126	-.126	0	%100
61	M61	X	0	0	0	%100
62	M61	Z	-.173	-.173	0	%100
63	M62	X	0	0	0	%100
64	M62	Z	-.173	-.173	0	%100
65	M67	X	0	0	0	%100
66	M67	Z	-.958	-.958	0	%100
67	M68	X	0	0	0	%100
68	M68	Z	-1.293	-1.293	0	%100
69	M70	X	0	0	0	%100
70	M70	Z	-.958	-.958	0	%100
71	M71	X	0	0	0	%100
72	M71	Z	-.323	-.323	0	%100

Member Distributed Loads (BLC 65 : Structure Wm (0 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
73	M73	X	0	0	0	%100
74	M73	Z	-.185	-.185	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	-.605	-.605	0	%100
77	M75B	X	0	0	0	%100
78	M75B	Z	-.317	-.317	0	%100
79	M76	X	0	0	0	%100
80	M76	Z	-.705	-.705	0	%100
81	M77	X	0	0	0	%100
82	M77	Z	-.179	-.179	0	%100
83	M80B	X	0	0	0	%100
84	M80B	Z	-.335	-.335	0	%100
85	M82	X	0	0	0	%100
86	M82	Z	-1.34	-1.34	0	%100
87	MP4B	X	0	0	0	%100
88	MP4B	Z	-.502	-.502	0	%100
89	MP3B	X	0	0	0	%100
90	MP3B	Z	-.502	-.502	0	%100
91	MP2B	X	0	0	0	%100
92	MP2B	Z	-.502	-.502	0	%100
93	MP1B	X	0	0	0	%100
94	MP1B	Z	-.502	-.502	0	%100
95	M96	X	0	0	0	%100
96	M96	Z	-.126	-.126	0	%100
97	M97	X	0	0	0	%100
98	M97	Z	-.173	-.173	0	%100
99	M98	X	0	0	0	%100
100	M98	Z	-.173	-.173	0	%100
101	M103	X	0	0	0	%100
102	M103	Z	-.958	-.958	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	-.323	-.323	0	%100
105	M106	X	0	0	0	%100
106	M106	Z	-.958	-.958	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	-1.293	-1.293	0	%100
109	OVP1	X	0	0	0	%100
110	OVP1	Z	-.458	-.458	0	%100
111	OVP2	X	0	0	0	%100
112	OVP2	Z	-.458	-.458	0	%100
113	M119	X	0	0	0	%100
114	M119	Z	-.142	-.142	0	%100
115	M120	X	0	0	0	%100
116	M120	Z	-.142	-.142	0	%100
117	M121	X	0	0	0	%100
118	M121	Z	-.567	-.567	0	%100
119	M122	X	0	0	0	%100
120	M122	Z	-.502	-.502	0	%100
121	M123	X	0	0	0	%100
122	M123	Z	-.126	-.126	0	%100
123	M124	X	0	0	0	%100
124	M124	Z	-.126	-.126	0	%100

Member Distributed Loads (BLC 66 : Structure Wm (30 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	LV	X	.278	.278	0	%100
2	LV	Z	-.481	-.481	0	%100
3	M72A	X	.101	.101	0	%100
4	M72A	Z	-.175	-.175	0	%100
5	M75	X	.476	.476	0	%100
6	M75	Z	-.824	-.824	0	%100
7	M78	X	.263	.263	0	%100
8	M78	Z	-.456	-.456	0	%100
9	M79	X	7e-6	7e-6	0	%100
10	M79	Z	-1.3e-5	-1.3e-5	0	%100
11	M87A	X	0	0	0	%100
12	M87A	Z	0	0	0	%100
13	M92	X	.502	.502	0	%100
14	M92	Z	-.87	-.87	0	%100
15	MP4A	X	.251	.251	0	%100
16	MP4A	Z	-.435	-.435	0	%100
17	MP3A	X	.251	.251	0	%100
18	MP3A	Z	-.435	-.435	0	%100
19	MP2A	X	.251	.251	0	%100
20	MP2A	Z	-.435	-.435	0	%100
21	MP1A	X	.251	.251	0	%100
22	MP1A	Z	-.435	-.435	0	%100
23	M37	X	.188	.188	0	%100
24	M37	Z	-.326	-.326	0	%100
25	M37A	X	.26	.26	0	%100
26	M37A	Z	-.45	-.45	0	%100
27	M38	X	.26	.26	0	%100
28	M38	Z	-.45	-.45	0	%100
29	M43	X	.16	.16	0	%100
30	M43	Z	-.276	-.276	0	%100
31	M44	X	0	0	0	%100
32	M44	Z	0	0	0	%100
33	M46	X	.16	.16	0	%100
34	M46	Z	-.276	-.276	0	%100
35	M47	X	.485	.485	0	%100
36	M47	Z	-.84	-.84	0	%100
37	M37B	X	.278	.278	0	%100
38	M37B	Z	-.481	-.481	0	%100
39	M38A	X	.101	.101	0	%100
40	M38A	Z	-.175	-.175	0	%100
41	M39A	X	.476	.476	0	%100
42	M39A	Z	-.824	-.824	0	%100
43	M40A	X	7e-6	7e-6	0	%100
44	M40A	Z	-1.3e-5	-1.3e-5	0	%100
45	M41A	X	.263	.263	0	%100
46	M41A	Z	-.456	-.456	0	%100
47	M44A	X	.502	.502	0	%100
48	M44A	Z	-.87	-.87	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	0	0	0	%100
51	MP4C	X	.251	.251	0	%100
52	MP4C	Z	-.435	-.435	0	%100

Member Distributed Loads (BLC 66 : Structure Wm (30 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	MP3C	X	.251	.251	0	%100
54	MP3C	Z	-.435	-.435	0	%100
55	MP2C	X	.251	.251	0	%100
56	MP2C	Z	-.435	-.435	0	%100
57	MP1C	X	.251	.251	0	%100
58	MP1C	Z	-.435	-.435	0	%100
59	M60	X	.188	.188	0	%100
60	M60	Z	-.326	-.326	0	%100
61	M61	X	.26	.26	0	%100
62	M61	Z	-.45	-.45	0	%100
63	M62	X	.26	.26	0	%100
64	M62	Z	-.45	-.45	0	%100
65	M67	X	.16	.16	0	%100
66	M67	Z	-.276	-.276	0	%100
67	M68	X	.485	.485	0	%100
68	M68	Z	-.84	-.84	0	%100
69	M70	X	.16	.16	0	%100
70	M70	Z	-.276	-.276	0	%100
71	M71	X	0	0	0	%100
72	M71	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	.403	.403	0	%100
76	M74	Z	-.699	-.699	0	%100
77	M75B	X	0	0	0	%100
78	M75B	Z	0	0	0	%100
79	M76	X	.266	.266	0	%100
80	M76	Z	-.46	-.46	0	%100
81	M77	X	.266	.266	0	%100
82	M77	Z	-.46	-.46	0	%100
83	M80B	X	.502	.502	0	%100
84	M80B	Z	-.87	-.87	0	%100
85	M82	X	.502	.502	0	%100
86	M82	Z	-.87	-.87	0	%100
87	MP4B	X	.251	.251	0	%100
88	MP4B	Z	-.435	-.435	0	%100
89	MP3B	X	.251	.251	0	%100
90	MP3B	Z	-.435	-.435	0	%100
91	MP2B	X	.251	.251	0	%100
92	MP2B	Z	-.435	-.435	0	%100
93	MP1B	X	.251	.251	0	%100
94	MP1B	Z	-.435	-.435	0	%100
95	M96	X	0	0	0	%100
96	M96	Z	0	0	0	%100
97	M97	X	0	0	0	%100
98	M97	Z	0	0	0	%100
99	M98	X	0	0	0	%100
100	M98	Z	0	0	0	%100
101	M103	X	.639	.639	0	%100
102	M103	Z	-1.106	-1.106	0	%100
103	M104	X	.485	.485	0	%100
104	M104	Z	-.84	-.84	0	%100

Member Distributed Loads (BLC 66 : Structure Wm (30 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
105	M106	X	.639	.639	0	%100
106	M106	Z	-1.106	-1.106	0	%100
107	M107	X	.485	.485	0	%100
108	M107	Z	-.84	-.84	0	%100
109	OVP1	X	.229	.229	0	%100
110	OVP1	Z	-.397	-.397	0	%100
111	OVP2	X	.229	.229	0	%100
112	OVP2	Z	-.397	-.397	0	%100
113	M119	X	.213	.213	0	%100
114	M119	Z	-.368	-.368	0	%100
115	M120	X	0	0	0	%100
116	M120	Z	0	0	0	%100
117	M121	X	.213	.213	0	%100
118	M121	Z	-.368	-.368	0	%100
119	M122	X	.188	.188	0	%100
120	M122	Z	-.326	-.326	0	%100
121	M123	X	.188	.188	0	%100
122	M123	Z	-.326	-.326	0	%100
123	M124	X	0	0	0	%100
124	M124	Z	0	0	0	%100

Member Distributed Loads (BLC 67 : Structure Wm (60 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	LV	X	.16	.16	0	%100
2	LV	Z	-.093	-.093	0	%100
3	M72A	X	.524	.524	0	%100
4	M72A	Z	-.303	-.303	0	%100
5	M75	X	.275	.275	0	%100
6	M75	Z	-.159	-.159	0	%100
7	M78	X	.611	.611	0	%100
8	M78	Z	-.353	-.353	0	%100
9	M79	X	.155	.155	0	%100
10	M79	Z	-.09	-.09	0	%100
11	M87A	X	.29	.29	0	%100
12	M87A	Z	-.167	-.167	0	%100
13	M92	X	1.16	1.16	0	%100
14	M92	Z	-.67	-.67	0	%100
15	MP4A	X	.435	.435	0	%100
16	MP4A	Z	-.251	-.251	0	%100
17	MP3A	X	.435	.435	0	%100
18	MP3A	Z	-.251	-.251	0	%100
19	MP2A	X	.435	.435	0	%100
20	MP2A	Z	-.251	-.251	0	%100
21	MP1A	X	.435	.435	0	%100
22	MP1A	Z	-.251	-.251	0	%100
23	M37	X	.109	.109	0	%100
24	M37	Z	-.063	-.063	0	%100
25	M37A	X	.15	.15	0	%100
26	M37A	Z	-.087	-.087	0	%100
27	M38	X	.15	.15	0	%100
28	M38	Z	-.087	-.087	0	%100

Member Distributed Loads (BLC 67 : Structure Wm (60 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
29	M43	X	.829	.829	0	%100
30	M43	Z	-.479	-.479	0	%100
31	M44	X	.28	.28	0	%100
32	M44	Z	-.162	-.162	0	%100
33	M46	X	.829	.829	0	%100
34	M46	Z	-.479	-.479	0	%100
35	M47	X	1.12	1.12	0	%100
36	M47	Z	-.646	-.646	0	%100
37	M37B	X	.641	.641	0	%100
38	M37B	Z	-.37	-.37	0	%100
39	M38A	X	0	0	0	%100
40	M38A	Z	0	0	0	%100
41	M39A	X	1.099	1.099	0	%100
42	M39A	Z	-.635	-.635	0	%100
43	M40A	X	.15	.15	0	%100
44	M40A	Z	-.087	-.087	0	%100
45	M41A	X	.15	.15	0	%100
46	M41A	Z	-.087	-.087	0	%100
47	M44A	X	.29	.29	0	%100
48	M44A	Z	-.167	-.167	0	%100
49	M46A	X	.29	.29	0	%100
50	M46A	Z	-.167	-.167	0	%100
51	MP4C	X	.435	.435	0	%100
52	MP4C	Z	-.251	-.251	0	%100
53	MP3C	X	.435	.435	0	%100
54	MP3C	Z	-.251	-.251	0	%100
55	MP2C	X	.435	.435	0	%100
56	MP2C	Z	-.251	-.251	0	%100
57	MP1C	X	.435	.435	0	%100
58	MP1C	Z	-.251	-.251	0	%100
59	M60	X	.435	.435	0	%100
60	M60	Z	-.251	-.251	0	%100
61	M61	X	.6	.6	0	%100
62	M61	Z	-.347	-.347	0	%100
63	M62	X	.6	.6	0	%100
64	M62	Z	-.347	-.347	0	%100
65	M67	X	0	0	0	%100
66	M67	Z	0	0	0	%100
67	M68	X	.28	.28	0	%100
68	M68	Z	-.162	-.162	0	%100
69	M70	X	0	0	0	%100
70	M70	Z	0	0	0	%100
71	M71	X	.28	.28	0	%100
72	M71	Z	-.162	-.162	0	%100
73	M73	X	.16	.16	0	%100
74	M73	Z	-.093	-.093	0	%100
75	M74	X	.524	.524	0	%100
76	M74	Z	-.303	-.303	0	%100
77	M75B	X	.275	.275	0	%100
78	M75B	Z	-.159	-.159	0	%100
79	M76	X	.155	.155	0	%100
80	M76	Z	-.09	-.09	0	%100

Member Distributed Loads (BLC 67 : Structure Wm (60 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
81	M77	X	.611	.611	0	%100
82	M77	Z	-.353	-.353	0	%100
83	M80B	X	1.16	1.16	0	%100
84	M80B	Z	-.67	-.67	0	%100
85	M82	X	.29	.29	0	%100
86	M82	Z	-.167	-.167	0	%100
87	MP4B	X	.435	.435	0	%100
88	MP4B	Z	-.251	-.251	0	%100
89	MP3B	X	.435	.435	0	%100
90	MP3B	Z	-.251	-.251	0	%100
91	MP2B	X	.435	.435	0	%100
92	MP2B	Z	-.251	-.251	0	%100
93	MP1B	X	.435	.435	0	%100
94	MP1B	Z	-.251	-.251	0	%100
95	M96	X	.109	.109	0	%100
96	M96	Z	-.063	-.063	0	%100
97	M97	X	.15	.15	0	%100
98	M97	Z	-.087	-.087	0	%100
99	M98	X	.15	.15	0	%100
100	M98	Z	-.087	-.087	0	%100
101	M103	X	.829	.829	0	%100
102	M103	Z	-.479	-.479	0	%100
103	M104	X	1.12	1.12	0	%100
104	M104	Z	-.646	-.646	0	%100
105	M106	X	.829	.829	0	%100
106	M106	Z	-.479	-.479	0	%100
107	M107	X	.28	.28	0	%100
108	M107	Z	-.162	-.162	0	%100
109	OVP1	X	.397	.397	0	%100
110	OVP1	Z	-.229	-.229	0	%100
111	OVP2	X	.397	.397	0	%100
112	OVP2	Z	-.229	-.229	0	%100
113	M119	X	.491	.491	0	%100
114	M119	Z	-.283	-.283	0	%100
115	M120	X	.123	.123	0	%100
116	M120	Z	-.071	-.071	0	%100
117	M121	X	.123	.123	0	%100
118	M121	Z	-.071	-.071	0	%100
119	M122	X	.109	.109	0	%100
120	M122	Z	-.063	-.063	0	%100
121	M123	X	.435	.435	0	%100
122	M123	Z	-.251	-.251	0	%100
123	M124	X	.109	.109	0	%100
124	M124	Z	-.063	-.063	0	%100

Member Distributed Loads (BLC 68 : Structure Wm (90 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	LV	X	0	0	0	%100
2	LV	Z	0	0	0	%100
3	M72A	X	.807	.807	0	%100
4	M72A	Z	0	0	0	%100

Member Distributed Loads (BLC 68 : Structure Wm (90 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
5	M75	X	0	0	0	%100
6	M75	Z	0	0	0	%100
7	M78	X	.532	.532	0	%100
8	M78	Z	0	0	0	%100
9	M79	X	.532	.532	0	%100
10	M79	Z	0	0	0	%100
11	M87A	X	1.005	1.005	0	%100
12	M87A	Z	0	0	0	%100
13	M92	X	1.005	1.005	0	%100
14	M92	Z	0	0	0	%100
15	MP4A	X	.502	.502	0	%100
16	MP4A	Z	0	0	0	%100
17	MP3A	X	.502	.502	0	%100
18	MP3A	Z	0	0	0	%100
19	MP2A	X	.502	.502	0	%100
20	MP2A	Z	0	0	0	%100
21	MP1A	X	.502	.502	0	%100
22	MP1A	Z	0	0	0	%100
23	M37	X	0	0	0	%100
24	M37	Z	0	0	0	%100
25	M37A	X	0	0	0	%100
26	M37A	Z	0	0	0	%100
27	M38	X	0	0	0	%100
28	M38	Z	0	0	0	%100
29	M43	X	1.277	1.277	0	%100
30	M43	Z	0	0	0	%100
31	M44	X	.97	.97	0	%100
32	M44	Z	0	0	0	%100
33	M46	X	1.277	1.277	0	%100
34	M46	Z	0	0	0	%100
35	M47	X	.97	.97	0	%100
36	M47	Z	0	0	0	%100
37	M37B	X	.555	.555	0	%100
38	M37B	Z	0	0	0	%100
39	M38A	X	.202	.202	0	%100
40	M38A	Z	0	0	0	%100
41	M39A	X	.952	.952	0	%100
42	M39A	Z	0	0	0	%100
43	M40A	X	.526	.526	0	%100
44	M40A	Z	0	0	0	%100
45	M41A	X	1.5e-5	1.5e-5	0	%100
46	M41A	Z	0	0	0	%100
47	M44A	X	0	0	0	%100
48	M44A	Z	0	0	0	%100
49	M46A	X	1.005	1.005	0	%100
50	M46A	Z	0	0	0	%100
51	MP4C	X	.502	.502	0	%100
52	MP4C	Z	0	0	0	%100
53	MP3C	X	.502	.502	0	%100
54	MP3C	Z	0	0	0	%100
55	MP2C	X	.502	.502	0	%100
56	MP2C	Z	0	0	0	%100

Member Distributed Loads (BLC 68 : Structure Wm (90 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
57	MP1C	X	.502	.502	0	%100
58	MP1C	Z	0	0	0	%100
59	M60	X	.377	.377	0	%100
60	M60	Z	0	0	0	%100
61	M61	X	.52	.52	0	%100
62	M61	Z	0	0	0	%100
63	M62	X	.52	.52	0	%100
64	M62	Z	0	0	0	%100
65	M67	X	.319	.319	0	%100
66	M67	Z	0	0	0	%100
67	M68	X	0	0	0	%100
68	M68	Z	0	0	0	%100
69	M70	X	.319	.319	0	%100
70	M70	Z	0	0	0	%100
71	M71	X	.97	.97	0	%100
72	M71	Z	0	0	0	%100
73	M73	X	.555	.555	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	.202	.202	0	%100
76	M74	Z	0	0	0	%100
77	M75B	X	.952	.952	0	%100
78	M75B	Z	0	0	0	%100
79	M76	X	1.5e-5	1.5e-5	0	%100
80	M76	Z	0	0	0	%100
81	M77	X	.526	.526	0	%100
82	M77	Z	0	0	0	%100
83	M80B	X	1.005	1.005	0	%100
84	M80B	Z	0	0	0	%100
85	M82	X	0	0	0	%100
86	M82	Z	0	0	0	%100
87	MP4B	X	.502	.502	0	%100
88	MP4B	Z	0	0	0	%100
89	MP3B	X	.502	.502	0	%100
90	MP3B	Z	0	0	0	%100
91	MP2B	X	.502	.502	0	%100
92	MP2B	Z	0	0	0	%100
93	MP1B	X	.502	.502	0	%100
94	MP1B	Z	0	0	0	%100
95	M96	X	.377	.377	0	%100
96	M96	Z	0	0	0	%100
97	M97	X	.52	.52	0	%100
98	M97	Z	0	0	0	%100
99	M98	X	.52	.52	0	%100
100	M98	Z	0	0	0	%100
101	M103	X	.319	.319	0	%100
102	M103	Z	0	0	0	%100
103	M104	X	.97	.97	0	%100
104	M104	Z	0	0	0	%100
105	M106	X	.319	.319	0	%100
106	M106	Z	0	0	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	0	0	0	%100

Member Distributed Loads (BLC 68 : Structure Wm (90 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
109	OVP1	X	.458	.458	0	%100
110	OVP1	Z	0	0	0	%100
111	OVP2	X	.458	.458	0	%100
112	OVP2	Z	0	0	0	%100
113	M119	X	.425	.425	0	%100
114	M119	Z	0	0	0	%100
115	M120	X	.425	.425	0	%100
116	M120	Z	0	0	0	%100
117	M121	X	0	0	0	%100
118	M121	Z	0	0	0	%100
119	M122	X	0	0	0	%100
120	M122	Z	0	0	0	%100
121	M123	X	.377	.377	0	%100
122	M123	Z	0	0	0	%100
123	M124	X	.377	.377	0	%100
124	M124	Z	0	0	0	%100

Member Distributed Loads (BLC 69 : Structure Wm (120 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	LV	X	.16	.16	0	%100
2	LV	Z	.093	.093	0	%100
3	M72A	X	.524	.524	0	%100
4	M72A	Z	.303	.303	0	%100
5	M75	X	.275	.275	0	%100
6	M75	Z	.159	.159	0	%100
7	M78	X	.155	.155	0	%100
8	M78	Z	.09	.09	0	%100
9	M79	X	.611	.611	0	%100
10	M79	Z	.353	.353	0	%100
11	M87A	X	1.16	1.16	0	%100
12	M87A	Z	.67	.67	0	%100
13	M92	X	.29	.29	0	%100
14	M92	Z	.167	.167	0	%100
15	MP4A	X	.435	.435	0	%100
16	MP4A	Z	.251	.251	0	%100
17	MP3A	X	.435	.435	0	%100
18	MP3A	Z	.251	.251	0	%100
19	MP2A	X	.435	.435	0	%100
20	MP2A	Z	.251	.251	0	%100
21	MP1A	X	.435	.435	0	%100
22	MP1A	Z	.251	.251	0	%100
23	M37	X	.109	.109	0	%100
24	M37	Z	.063	.063	0	%100
25	M37A	X	.15	.15	0	%100
26	M37A	Z	.087	.087	0	%100
27	M38	X	.15	.15	0	%100
28	M38	Z	.087	.087	0	%100
29	M43	X	.829	.829	0	%100
30	M43	Z	.479	.479	0	%100
31	M44	X	1.12	1.12	0	%100
32	M44	Z	.646	.646	0	%100

Member Distributed Loads (BLC 69 : Structure Wm (120 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
33	M46	X	.829	.829	0	%100
34	M46	Z	.479	.479	0	%100
35	M47	X	.28	.28	0	%100
36	M47	Z	.162	.162	0	%100
37	M37B	X	.16	.16	0	%100
38	M37B	Z	.093	.093	0	%100
39	M38A	X	.524	.524	0	%100
40	M38A	Z	.303	.303	0	%100
41	M39A	X	.275	.275	0	%100
42	M39A	Z	.159	.159	0	%100
43	M40A	X	.611	.611	0	%100
44	M40A	Z	.353	.353	0	%100
45	M41A	X	.155	.155	0	%100
46	M41A	Z	.09	.09	0	%100
47	M44A	X	.29	.29	0	%100
48	M44A	Z	.167	.167	0	%100
49	M46A	X	1.16	1.16	0	%100
50	M46A	Z	.67	.67	0	%100
51	MP4C	X	.435	.435	0	%100
52	MP4C	Z	.251	.251	0	%100
53	MP3C	X	.435	.435	0	%100
54	MP3C	Z	.251	.251	0	%100
55	MP2C	X	.435	.435	0	%100
56	MP2C	Z	.251	.251	0	%100
57	MP1C	X	.435	.435	0	%100
58	MP1C	Z	.251	.251	0	%100
59	M60	X	.109	.109	0	%100
60	M60	Z	.063	.063	0	%100
61	M61	X	.15	.15	0	%100
62	M61	Z	.087	.087	0	%100
63	M62	X	.15	.15	0	%100
64	M62	Z	.087	.087	0	%100
65	M67	X	.829	.829	0	%100
66	M67	Z	.479	.479	0	%100
67	M68	X	.28	.28	0	%100
68	M68	Z	.162	.162	0	%100
69	M70	X	.829	.829	0	%100
70	M70	Z	.479	.479	0	%100
71	M71	X	1.12	1.12	0	%100
72	M71	Z	.646	.646	0	%100
73	M73	X	.641	.641	0	%100
74	M73	Z	.37	.37	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75B	X	1.099	1.099	0	%100
78	M75B	Z	.635	.635	0	%100
79	M76	X	.15	.15	0	%100
80	M76	Z	.087	.087	0	%100
81	M77	X	.15	.15	0	%100
82	M77	Z	.087	.087	0	%100
83	M80B	X	.29	.29	0	%100
84	M80B	Z	.167	.167	0	%100

Member Distributed Loads (BLC 69 : Structure Wm (120 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
85	M82	X	.29	.29	0	%100
86	M82	Z	.167	.167	0	%100
87	MP4B	X	.435	.435	0	%100
88	MP4B	Z	.251	.251	0	%100
89	MP3B	X	.435	.435	0	%100
90	MP3B	Z	.251	.251	0	%100
91	MP2B	X	.435	.435	0	%100
92	MP2B	Z	.251	.251	0	%100
93	MP1B	X	.435	.435	0	%100
94	MP1B	Z	.251	.251	0	%100
95	M96	X	.435	.435	0	%100
96	M96	Z	.251	.251	0	%100
97	M97	X	.6	.6	0	%100
98	M97	Z	.347	.347	0	%100
99	M98	X	.6	.6	0	%100
100	M98	Z	.347	.347	0	%100
101	M103	X	0	0	0	%100
102	M103	Z	0	0	0	%100
103	M104	X	.28	.28	0	%100
104	M104	Z	.162	.162	0	%100
105	M106	X	0	0	0	%100
106	M106	Z	0	0	0	%100
107	M107	X	.28	.28	0	%100
108	M107	Z	.162	.162	0	%100
109	OVP1	X	.397	.397	0	%100
110	OVP1	Z	.229	.229	0	%100
111	OVP2	X	.397	.397	0	%100
112	OVP2	Z	.229	.229	0	%100
113	M119	X	.123	.123	0	%100
114	M119	Z	.071	.071	0	%100
115	M120	X	.491	.491	0	%100
116	M120	Z	.283	.283	0	%100
117	M121	X	.123	.123	0	%100
118	M121	Z	.071	.071	0	%100
119	M122	X	.109	.109	0	%100
120	M122	Z	.063	.063	0	%100
121	M123	X	.109	.109	0	%100
122	M123	Z	.063	.063	0	%100
123	M124	X	.435	.435	0	%100
124	M124	Z	.251	.251	0	%100

Member Distributed Loads (BLC 70 : Structure Wm (150 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	LV	X	.278	.278	0	%100
2	LV	Z	.481	.481	0	%100
3	M72A	X	.101	.101	0	%100
4	M72A	Z	.175	.175	0	%100
5	M75	X	.476	.476	0	%100
6	M75	Z	.824	.824	0	%100
7	M78	X	7e-6	7e-6	0	%100
8	M78	Z	1.3e-5	1.3e-5	0	%100

Member Distributed Loads (BLC 70 : Structure Wm (150 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
9	M79	X	.263	.263	0	%100
10	M79	Z	.456	.456	0	%100
11	M87A	X	.502	.502	0	%100
12	M87A	Z	.87	.87	0	%100
13	M92	X	0	0	0	%100
14	M92	Z	0	0	0	%100
15	MP4A	X	.251	.251	0	%100
16	MP4A	Z	.435	.435	0	%100
17	MP3A	X	.251	.251	0	%100
18	MP3A	Z	.435	.435	0	%100
19	MP2A	X	.251	.251	0	%100
20	MP2A	Z	.435	.435	0	%100
21	MP1A	X	.251	.251	0	%100
22	MP1A	Z	.435	.435	0	%100
23	M37	X	.188	.188	0	%100
24	M37	Z	.326	.326	0	%100
25	M37A	X	.26	.26	0	%100
26	M37A	Z	.45	.45	0	%100
27	M38	X	.26	.26	0	%100
28	M38	Z	.45	.45	0	%100
29	M43	X	.16	.16	0	%100
30	M43	Z	.276	.276	0	%100
31	M44	X	.485	.485	0	%100
32	M44	Z	.84	.84	0	%100
33	M46	X	.16	.16	0	%100
34	M46	Z	.276	.276	0	%100
35	M47	X	0	0	0	%100
36	M47	Z	0	0	0	%100
37	M37B	X	0	0	0	%100
38	M37B	Z	0	0	0	%100
39	M38A	X	.403	.403	0	%100
40	M38A	Z	.699	.699	0	%100
41	M39A	X	0	0	0	%100
42	M39A	Z	0	0	0	%100
43	M40A	X	.266	.266	0	%100
44	M40A	Z	.46	.46	0	%100
45	M41A	X	.266	.266	0	%100
46	M41A	Z	.46	.46	0	%100
47	M44A	X	.502	.502	0	%100
48	M44A	Z	.87	.87	0	%100
49	M46A	X	.502	.502	0	%100
50	M46A	Z	.87	.87	0	%100
51	MP4C	X	.251	.251	0	%100
52	MP4C	Z	.435	.435	0	%100
53	MP3C	X	.251	.251	0	%100
54	MP3C	Z	.435	.435	0	%100
55	MP2C	X	.251	.251	0	%100
56	MP2C	Z	.435	.435	0	%100
57	MP1C	X	.251	.251	0	%100
58	MP1C	Z	.435	.435	0	%100
59	M60	X	0	0	0	%100
60	M60	Z	0	0	0	%100

Member Distributed Loads (BLC 70 : Structure Wm (150 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
61	M61	X	0	0	0	%100
62	M61	Z	0	0	0	%100
63	M62	X	0	0	0	%100
64	M62	Z	0	0	0	%100
65	M67	X	.639	.639	0	%100
66	M67	Z	1.106	1.106	0	%100
67	M68	X	.485	.485	0	%100
68	M68	Z	.84	.84	0	%100
69	M70	X	.639	.639	0	%100
70	M70	Z	1.106	1.106	0	%100
71	M71	X	.485	.485	0	%100
72	M71	Z	.84	.84	0	%100
73	M73	X	.278	.278	0	%100
74	M73	Z	.481	.481	0	%100
75	M74	X	.101	.101	0	%100
76	M74	Z	.175	.175	0	%100
77	M75B	X	.476	.476	0	%100
78	M75B	Z	.824	.824	0	%100
79	M76	X	.263	.263	0	%100
80	M76	Z	.456	.456	0	%100
81	M77	X	7e-6	7e-6	0	%100
82	M77	Z	1.3e-5	1.3e-5	0	%100
83	M80B	X	0	0	0	%100
84	M80B	Z	0	0	0	%100
85	M82	X	.502	.502	0	%100
86	M82	Z	.87	.87	0	%100
87	MP4B	X	.251	.251	0	%100
88	MP4B	Z	.435	.435	0	%100
89	MP3B	X	.251	.251	0	%100
90	MP3B	Z	.435	.435	0	%100
91	MP2B	X	.251	.251	0	%100
92	MP2B	Z	.435	.435	0	%100
93	MP1B	X	.251	.251	0	%100
94	MP1B	Z	.435	.435	0	%100
95	M96	X	.188	.188	0	%100
96	M96	Z	.326	.326	0	%100
97	M97	X	.26	.26	0	%100
98	M97	Z	.45	.45	0	%100
99	M98	X	.26	.26	0	%100
100	M98	Z	.45	.45	0	%100
101	M103	X	.16	.16	0	%100
102	M103	Z	.276	.276	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	0	0	0	%100
105	M106	X	.16	.16	0	%100
106	M106	Z	.276	.276	0	%100
107	M107	X	.485	.485	0	%100
108	M107	Z	.84	.84	0	%100
109	OVP1	X	.229	.229	0	%100
110	OVP1	Z	.397	.397	0	%100
111	OVP2	X	.229	.229	0	%100
112	OVP2	Z	.397	.397	0	%100

Member Distributed Loads (BLC 70 : Structure Wm (150 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
113	M119	X	0	0	0	%100
114	M119	Z	0	0	0	%100
115	M120	X	.213	.213	0	%100
116	M120	Z	.368	.368	0	%100
117	M121	X	.213	.213	0	%100
118	M121	Z	.368	.368	0	%100
119	M122	X	.188	.188	0	%100
120	M122	Z	.326	.326	0	%100
121	M123	X	0	0	0	%100
122	M123	Z	0	0	0	%100
123	M124	X	.188	.188	0	%100
124	M124	Z	.326	.326	0	%100

Member Distributed Loads (BLC 71 : Structure Wm (180 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	LV	X	0	0	0	%100
2	LV	Z	.74	.74	0	%100
3	M72A	X	0	0	0	%100
4	M72A	Z	0	0	0	%100
5	M75	X	0	0	0	%100
6	M75	Z	1.269	1.269	0	%100
7	M78	X	0	0	0	%100
8	M78	Z	.174	.174	0	%100
9	M79	X	0	0	0	%100
10	M79	Z	.174	.174	0	%100
11	M87A	X	0	0	0	%100
12	M87A	Z	.335	.335	0	%100
13	M92	X	0	0	0	%100
14	M92	Z	.335	.335	0	%100
15	MP4A	X	0	0	0	%100
16	MP4A	Z	.502	.502	0	%100
17	MP3A	X	0	0	0	%100
18	MP3A	Z	.502	.502	0	%100
19	MP2A	X	0	0	0	%100
20	MP2A	Z	.502	.502	0	%100
21	MP1A	X	0	0	0	%100
22	MP1A	Z	.502	.502	0	%100
23	M37	X	0	0	0	%100
24	M37	Z	.502	.502	0	%100
25	M37A	X	0	0	0	%100
26	M37A	Z	.693	.693	0	%100
27	M38	X	0	0	0	%100
28	M38	Z	.693	.693	0	%100
29	M43	X	0	0	0	%100
30	M43	Z	0	0	0	%100
31	M44	X	0	0	0	%100
32	M44	Z	.323	.323	0	%100
33	M46	X	0	0	0	%100
34	M46	Z	0	0	0	%100
35	M47	X	0	0	0	%100
36	M47	Z	.323	.323	0	%100

Member Distributed Loads (BLC 71 : Structure Wm (180 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	M37B	X	0	0	0	%100
38	M37B	Z	.185	.185	0	%100
39	M38A	X	0	0	0	%100
40	M38A	Z	.605	.605	0	%100
41	M39A	X	0	0	0	%100
42	M39A	Z	.317	.317	0	%100
43	M40A	X	0	0	0	%100
44	M40A	Z	.179	.179	0	%100
45	M41A	X	0	0	0	%100
46	M41A	Z	.705	.705	0	%100
47	M44A	X	0	0	0	%100
48	M44A	Z	1.34	1.34	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	.335	.335	0	%100
51	MP4C	X	0	0	0	%100
52	MP4C	Z	.502	.502	0	%100
53	MP3C	X	0	0	0	%100
54	MP3C	Z	.502	.502	0	%100
55	MP2C	X	0	0	0	%100
56	MP2C	Z	.502	.502	0	%100
57	MP1C	X	0	0	0	%100
58	MP1C	Z	.502	.502	0	%100
59	M60	X	0	0	0	%100
60	M60	Z	.126	.126	0	%100
61	M61	X	0	0	0	%100
62	M61	Z	.173	.173	0	%100
63	M62	X	0	0	0	%100
64	M62	Z	.173	.173	0	%100
65	M67	X	0	0	0	%100
66	M67	Z	.958	.958	0	%100
67	M68	X	0	0	0	%100
68	M68	Z	1.293	1.293	0	%100
69	M70	X	0	0	0	%100
70	M70	Z	.958	.958	0	%100
71	M71	X	0	0	0	%100
72	M71	Z	.323	.323	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	.185	.185	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	.605	.605	0	%100
77	M75B	X	0	0	0	%100
78	M75B	Z	.317	.317	0	%100
79	M76	X	0	0	0	%100
80	M76	Z	.705	.705	0	%100
81	M77	X	0	0	0	%100
82	M77	Z	.179	.179	0	%100
83	M80B	X	0	0	0	%100
84	M80B	Z	.335	.335	0	%100
85	M82	X	0	0	0	%100
86	M82	Z	1.34	1.34	0	%100
87	MP4B	X	0	0	0	%100
88	MP4B	Z	.502	.502	0	%100

Member Distributed Loads (BLC 71 : Structure Wm (180 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
89	MP3B	X	0	0	0	%100
90	MP3B	Z	.502	.502	0	%100
91	MP2B	X	0	0	0	%100
92	MP2B	Z	.502	.502	0	%100
93	MP1B	X	0	0	0	%100
94	MP1B	Z	.502	.502	0	%100
95	M96	X	0	0	0	%100
96	M96	Z	.126	.126	0	%100
97	M97	X	0	0	0	%100
98	M97	Z	.173	.173	0	%100
99	M98	X	0	0	0	%100
100	M98	Z	.173	.173	0	%100
101	M103	X	0	0	0	%100
102	M103	Z	.958	.958	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	.323	.323	0	%100
105	M106	X	0	0	0	%100
106	M106	Z	.958	.958	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	1.293	1.293	0	%100
109	OVP1	X	0	0	0	%100
110	OVP1	Z	.458	.458	0	%100
111	OVP2	X	0	0	0	%100
112	OVP2	Z	.458	.458	0	%100
113	M119	X	0	0	0	%100
114	M119	Z	.142	.142	0	%100
115	M120	X	0	0	0	%100
116	M120	Z	.142	.142	0	%100
117	M121	X	0	0	0	%100
118	M121	Z	.567	.567	0	%100
119	M122	X	0	0	0	%100
120	M122	Z	.502	.502	0	%100
121	M123	X	0	0	0	%100
122	M123	Z	.126	.126	0	%100
123	M124	X	0	0	0	%100
124	M124	Z	.126	.126	0	%100

Member Distributed Loads (BLC 72 : Structure Wm (210 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	LV	X	-.278	-.278	0	%100
2	LV	Z	.481	.481	0	%100
3	M72A	X	-.101	-.101	0	%100
4	M72A	Z	.175	.175	0	%100
5	M75	X	-.476	-.476	0	%100
6	M75	Z	.824	.824	0	%100
7	M78	X	-.263	-.263	0	%100
8	M78	Z	.456	.456	0	%100
9	M79	X	-7e-6	-7e-6	0	%100
10	M79	Z	1.3e-5	1.3e-5	0	%100
11	M87A	X	0	0	0	%100
12	M87A	Z	0	0	0	%100

Member Distributed Loads (BLC 72 : Structure Wm (210 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	M92	X	-.502	-.502	0	%100
14	M92	Z	.87	.87	0	%100
15	MP4A	X	-.251	-.251	0	%100
16	MP4A	Z	.435	.435	0	%100
17	MP3A	X	-.251	-.251	0	%100
18	MP3A	Z	.435	.435	0	%100
19	MP2A	X	-.251	-.251	0	%100
20	MP2A	Z	.435	.435	0	%100
21	MP1A	X	-.251	-.251	0	%100
22	MP1A	Z	.435	.435	0	%100
23	M37	X	-.188	-.188	0	%100
24	M37	Z	.326	.326	0	%100
25	M37A	X	-.26	-.26	0	%100
26	M37A	Z	.45	.45	0	%100
27	M38	X	-.26	-.26	0	%100
28	M38	Z	.45	.45	0	%100
29	M43	X	-.16	-.16	0	%100
30	M43	Z	.276	.276	0	%100
31	M44	X	0	0	0	%100
32	M44	Z	0	0	0	%100
33	M46	X	-.16	-.16	0	%100
34	M46	Z	.276	.276	0	%100
35	M47	X	-.485	-.485	0	%100
36	M47	Z	.84	.84	0	%100
37	M37B	X	-.278	-.278	0	%100
38	M37B	Z	.481	.481	0	%100
39	M38A	X	-.101	-.101	0	%100
40	M38A	Z	.175	.175	0	%100
41	M39A	X	-.476	-.476	0	%100
42	M39A	Z	.824	.824	0	%100
43	M40A	X	-7e-6	-7e-6	0	%100
44	M40A	Z	1.3e-5	1.3e-5	0	%100
45	M41A	X	-.263	-.263	0	%100
46	M41A	Z	.456	.456	0	%100
47	M44A	X	-.502	-.502	0	%100
48	M44A	Z	.87	.87	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	0	0	0	%100
51	MP4C	X	-.251	-.251	0	%100
52	MP4C	Z	.435	.435	0	%100
53	MP3C	X	-.251	-.251	0	%100
54	MP3C	Z	.435	.435	0	%100
55	MP2C	X	-.251	-.251	0	%100
56	MP2C	Z	.435	.435	0	%100
57	MP1C	X	-.251	-.251	0	%100
58	MP1C	Z	.435	.435	0	%100
59	M60	X	-.188	-.188	0	%100
60	M60	Z	.326	.326	0	%100
61	M61	X	-.26	-.26	0	%100
62	M61	Z	.45	.45	0	%100
63	M62	X	-.26	-.26	0	%100
64	M62	Z	.45	.45	0	%100

Member Distributed Loads (BLC 72 : Structure Wm (210 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
65	M67	X	-.16	-.16	0	%100
66	M67	Z	.276	.276	0	%100
67	M68	X	-.485	-.485	0	%100
68	M68	Z	.84	.84	0	%100
69	M70	X	-.16	-.16	0	%100
70	M70	Z	.276	.276	0	%100
71	M71	X	0	0	0	%100
72	M71	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	-.403	-.403	0	%100
76	M74	Z	.699	.699	0	%100
77	M75B	X	0	0	0	%100
78	M75B	Z	0	0	0	%100
79	M76	X	-.266	-.266	0	%100
80	M76	Z	.46	.46	0	%100
81	M77	X	-.266	-.266	0	%100
82	M77	Z	.46	.46	0	%100
83	M80B	X	-.502	-.502	0	%100
84	M80B	Z	.87	.87	0	%100
85	M82	X	-.502	-.502	0	%100
86	M82	Z	.87	.87	0	%100
87	MP4B	X	-.251	-.251	0	%100
88	MP4B	Z	.435	.435	0	%100
89	MP3B	X	-.251	-.251	0	%100
90	MP3B	Z	.435	.435	0	%100
91	MP2B	X	-.251	-.251	0	%100
92	MP2B	Z	.435	.435	0	%100
93	MP1B	X	-.251	-.251	0	%100
94	MP1B	Z	.435	.435	0	%100
95	M96	X	0	0	0	%100
96	M96	Z	0	0	0	%100
97	M97	X	0	0	0	%100
98	M97	Z	0	0	0	%100
99	M98	X	0	0	0	%100
100	M98	Z	0	0	0	%100
101	M103	X	-.639	-.639	0	%100
102	M103	Z	1.106	1.106	0	%100
103	M104	X	-.485	-.485	0	%100
104	M104	Z	.84	.84	0	%100
105	M106	X	-.639	-.639	0	%100
106	M106	Z	1.106	1.106	0	%100
107	M107	X	-.485	-.485	0	%100
108	M107	Z	.84	.84	0	%100
109	OVP1	X	-.229	-.229	0	%100
110	OVP1	Z	.397	.397	0	%100
111	OVP2	X	-.229	-.229	0	%100
112	OVP2	Z	.397	.397	0	%100
113	M119	X	-.213	-.213	0	%100
114	M119	Z	.368	.368	0	%100
115	M120	X	0	0	0	%100
116	M120	Z	0	0	0	%100

Member Distributed Loads (BLC 72 : Structure Wm (210 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
117	M121	X	-.213	-.213	0	%100
118	M121	Z	.368	.368	0	%100
119	M122	X	-.188	-.188	0	%100
120	M122	Z	.326	.326	0	%100
121	M123	X	-.188	-.188	0	%100
122	M123	Z	.326	.326	0	%100
123	M124	X	0	0	0	%100
124	M124	Z	0	0	0	%100

Member Distributed Loads (BLC 73 : Structure Wm (240 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	LV	X	-.16	-.16	0	%100
2	LV	Z	.093	.093	0	%100
3	M72A	X	-.524	-.524	0	%100
4	M72A	Z	.303	.303	0	%100
5	M75	X	-.275	-.275	0	%100
6	M75	Z	.159	.159	0	%100
7	M78	X	-.611	-.611	0	%100
8	M78	Z	.353	.353	0	%100
9	M79	X	-.155	-.155	0	%100
10	M79	Z	.09	.09	0	%100
11	M87A	X	-.29	-.29	0	%100
12	M87A	Z	.167	.167	0	%100
13	M92	X	-1.16	-1.16	0	%100
14	M92	Z	.67	.67	0	%100
15	MP4A	X	-.435	-.435	0	%100
16	MP4A	Z	.251	.251	0	%100
17	MP3A	X	-.435	-.435	0	%100
18	MP3A	Z	.251	.251	0	%100
19	MP2A	X	-.435	-.435	0	%100
20	MP2A	Z	.251	.251	0	%100
21	MP1A	X	-.435	-.435	0	%100
22	MP1A	Z	.251	.251	0	%100
23	M37	X	-.109	-.109	0	%100
24	M37	Z	.063	.063	0	%100
25	M37A	X	-.15	-.15	0	%100
26	M37A	Z	.087	.087	0	%100
27	M38	X	-.15	-.15	0	%100
28	M38	Z	.087	.087	0	%100
29	M43	X	-.829	-.829	0	%100
30	M43	Z	.479	.479	0	%100
31	M44	X	-.28	-.28	0	%100
32	M44	Z	.162	.162	0	%100
33	M46	X	-.829	-.829	0	%100
34	M46	Z	.479	.479	0	%100
35	M47	X	-1.12	-1.12	0	%100
36	M47	Z	.646	.646	0	%100
37	M37B	X	-.641	-.641	0	%100
38	M37B	Z	.37	.37	0	%100
39	M38A	X	0	0	0	%100
40	M38A	Z	0	0	0	%100

Member Distributed Loads (BLC 73 : Structure Wm (240 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
41	M39A	X	-1.099	-1.099	0	%100
42	M39A	Z	.635	.635	0	%100
43	M40A	X	-.15	-.15	0	%100
44	M40A	Z	.087	.087	0	%100
45	M41A	X	-.15	-.15	0	%100
46	M41A	Z	.087	.087	0	%100
47	M44A	X	-.29	-.29	0	%100
48	M44A	Z	.167	.167	0	%100
49	M46A	X	-.29	-.29	0	%100
50	M46A	Z	.167	.167	0	%100
51	MP4C	X	-.435	-.435	0	%100
52	MP4C	Z	.251	.251	0	%100
53	MP3C	X	-.435	-.435	0	%100
54	MP3C	Z	.251	.251	0	%100
55	MP2C	X	-.435	-.435	0	%100
56	MP2C	Z	.251	.251	0	%100
57	MP1C	X	-.435	-.435	0	%100
58	MP1C	Z	.251	.251	0	%100
59	M60	X	-.435	-.435	0	%100
60	M60	Z	.251	.251	0	%100
61	M61	X	-.6	-.6	0	%100
62	M61	Z	.347	.347	0	%100
63	M62	X	-.6	-.6	0	%100
64	M62	Z	.347	.347	0	%100
65	M67	X	0	0	0	%100
66	M67	Z	0	0	0	%100
67	M68	X	-.28	-.28	0	%100
68	M68	Z	.162	.162	0	%100
69	M70	X	0	0	0	%100
70	M70	Z	0	0	0	%100
71	M71	X	-.28	-.28	0	%100
72	M71	Z	.162	.162	0	%100
73	M73	X	-.16	-.16	0	%100
74	M73	Z	.093	.093	0	%100
75	M74	X	-.524	-.524	0	%100
76	M74	Z	.303	.303	0	%100
77	M75B	X	-.275	-.275	0	%100
78	M75B	Z	.159	.159	0	%100
79	M76	X	-.155	-.155	0	%100
80	M76	Z	.09	.09	0	%100
81	M77	X	-.611	-.611	0	%100
82	M77	Z	.353	.353	0	%100
83	M80B	X	-1.16	-1.16	0	%100
84	M80B	Z	.67	.67	0	%100
85	M82	X	-.29	-.29	0	%100
86	M82	Z	.167	.167	0	%100
87	MP4B	X	-.435	-.435	0	%100
88	MP4B	Z	.251	.251	0	%100
89	MP3B	X	-.435	-.435	0	%100
90	MP3B	Z	.251	.251	0	%100
91	MP2B	X	-.435	-.435	0	%100
92	MP2B	Z	.251	.251	0	%100

Member Distributed Loads (BLC 73 : Structure Wm (240 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
93	MP1B	X	-.435	-.435	0	%100
94	MP1B	Z	.251	.251	0	%100
95	M96	X	-.109	-.109	0	%100
96	M96	Z	.063	.063	0	%100
97	M97	X	-.15	-.15	0	%100
98	M97	Z	.087	.087	0	%100
99	M98	X	-.15	-.15	0	%100
100	M98	Z	.087	.087	0	%100
101	M103	X	-.829	-.829	0	%100
102	M103	Z	.479	.479	0	%100
103	M104	X	-1.12	-1.12	0	%100
104	M104	Z	.646	.646	0	%100
105	M106	X	-.829	-.829	0	%100
106	M106	Z	.479	.479	0	%100
107	M107	X	-.28	-.28	0	%100
108	M107	Z	.162	.162	0	%100
109	OVP1	X	-.397	-.397	0	%100
110	OVP1	Z	.229	.229	0	%100
111	OVP2	X	-.397	-.397	0	%100
112	OVP2	Z	.229	.229	0	%100
113	M119	X	-.491	-.491	0	%100
114	M119	Z	.283	.283	0	%100
115	M120	X	-.123	-.123	0	%100
116	M120	Z	.071	.071	0	%100
117	M121	X	-.123	-.123	0	%100
118	M121	Z	.071	.071	0	%100
119	M122	X	-.109	-.109	0	%100
120	M122	Z	.063	.063	0	%100
121	M123	X	-.435	-.435	0	%100
122	M123	Z	.251	.251	0	%100
123	M124	X	-.109	-.109	0	%100
124	M124	Z	.063	.063	0	%100

Member Distributed Loads (BLC 74 : Structure Wm (270 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	LV	X	0	0	0	%100
2	LV	Z	0	0	0	%100
3	M72A	X	-.807	-.807	0	%100
4	M72A	Z	0	0	0	%100
5	M75	X	0	0	0	%100
6	M75	Z	0	0	0	%100
7	M78	X	-.532	-.532	0	%100
8	M78	Z	0	0	0	%100
9	M79	X	-.532	-.532	0	%100
10	M79	Z	0	0	0	%100
11	M87A	X	-1.005	-1.005	0	%100
12	M87A	Z	0	0	0	%100
13	M92	X	-1.005	-1.005	0	%100
14	M92	Z	0	0	0	%100
15	MP4A	X	-.502	-.502	0	%100
16	MP4A	Z	0	0	0	%100

Member Distributed Loads (BLC 74 : Structure Wm (270 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	MP3A	X	-.502	-.502	0	%100
18	MP3A	Z	0	0	0	%100
19	MP2A	X	-.502	-.502	0	%100
20	MP2A	Z	0	0	0	%100
21	MP1A	X	-.502	-.502	0	%100
22	MP1A	Z	0	0	0	%100
23	M37	X	0	0	0	%100
24	M37	Z	0	0	0	%100
25	M37A	X	0	0	0	%100
26	M37A	Z	0	0	0	%100
27	M38	X	0	0	0	%100
28	M38	Z	0	0	0	%100
29	M43	X	-1.277	-1.277	0	%100
30	M43	Z	0	0	0	%100
31	M44	X	-.97	-.97	0	%100
32	M44	Z	0	0	0	%100
33	M46	X	-1.277	-1.277	0	%100
34	M46	Z	0	0	0	%100
35	M47	X	-.97	-.97	0	%100
36	M47	Z	0	0	0	%100
37	M37B	X	-.555	-.555	0	%100
38	M37B	Z	0	0	0	%100
39	M38A	X	-.202	-.202	0	%100
40	M38A	Z	0	0	0	%100
41	M39A	X	-.952	-.952	0	%100
42	M39A	Z	0	0	0	%100
43	M40A	X	-.526	-.526	0	%100
44	M40A	Z	0	0	0	%100
45	M41A	X	-1.5e-5	-1.5e-5	0	%100
46	M41A	Z	0	0	0	%100
47	M44A	X	0	0	0	%100
48	M44A	Z	0	0	0	%100
49	M46A	X	-1.005	-1.005	0	%100
50	M46A	Z	0	0	0	%100
51	MP4C	X	-.502	-.502	0	%100
52	MP4C	Z	0	0	0	%100
53	MP3C	X	-.502	-.502	0	%100
54	MP3C	Z	0	0	0	%100
55	MP2C	X	-.502	-.502	0	%100
56	MP2C	Z	0	0	0	%100
57	MP1C	X	-.502	-.502	0	%100
58	MP1C	Z	0	0	0	%100
59	M60	X	-.377	-.377	0	%100
60	M60	Z	0	0	0	%100
61	M61	X	-.52	-.52	0	%100
62	M61	Z	0	0	0	%100
63	M62	X	-.52	-.52	0	%100
64	M62	Z	0	0	0	%100
65	M67	X	-.319	-.319	0	%100
66	M67	Z	0	0	0	%100
67	M68	X	0	0	0	%100
68	M68	Z	0	0	0	%100

Member Distributed Loads (BLC 74 : Structure Wm (270 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
69	M70	X	-.319	-.319	0	%100
70	M70	Z	0	0	0	%100
71	M71	X	-.97	-.97	0	%100
72	M71	Z	0	0	0	%100
73	M73	X	-.555	-.555	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	-.202	-.202	0	%100
76	M74	Z	0	0	0	%100
77	M75B	X	-.952	-.952	0	%100
78	M75B	Z	0	0	0	%100
79	M76	X	-1.5e-5	-1.5e-5	0	%100
80	M76	Z	0	0	0	%100
81	M77	X	-.526	-.526	0	%100
82	M77	Z	0	0	0	%100
83	M80B	X	-1.005	-1.005	0	%100
84	M80B	Z	0	0	0	%100
85	M82	X	0	0	0	%100
86	M82	Z	0	0	0	%100
87	MP4B	X	-.502	-.502	0	%100
88	MP4B	Z	0	0	0	%100
89	MP3B	X	-.502	-.502	0	%100
90	MP3B	Z	0	0	0	%100
91	MP2B	X	-.502	-.502	0	%100
92	MP2B	Z	0	0	0	%100
93	MP1B	X	-.502	-.502	0	%100
94	MP1B	Z	0	0	0	%100
95	M96	X	-.377	-.377	0	%100
96	M96	Z	0	0	0	%100
97	M97	X	-.52	-.52	0	%100
98	M97	Z	0	0	0	%100
99	M98	X	-.52	-.52	0	%100
100	M98	Z	0	0	0	%100
101	M103	X	-.319	-.319	0	%100
102	M103	Z	0	0	0	%100
103	M104	X	-.97	-.97	0	%100
104	M104	Z	0	0	0	%100
105	M106	X	-.319	-.319	0	%100
106	M106	Z	0	0	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	0	0	0	%100
109	OVP1	X	-.458	-.458	0	%100
110	OVP1	Z	0	0	0	%100
111	OVP2	X	-.458	-.458	0	%100
112	OVP2	Z	0	0	0	%100
113	M119	X	-.425	-.425	0	%100
114	M119	Z	0	0	0	%100
115	M120	X	-.425	-.425	0	%100
116	M120	Z	0	0	0	%100
117	M121	X	0	0	0	%100
118	M121	Z	0	0	0	%100
119	M122	X	0	0	0	%100
120	M122	Z	0	0	0	%100

Member Distributed Loads (BLC 74 : Structure Wm (270 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
121	M123	X	-.377	-.377	0	%100
122	M123	Z	0	0	0	%100
123	M124	X	-.377	-.377	0	%100
124	M124	Z	0	0	0	%100

Member Distributed Loads (BLC 75 : Structure Wm (300 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	LV	X	-.16	-.16	0	%100
2	LV	Z	-.093	-.093	0	%100
3	M72A	X	-.524	-.524	0	%100
4	M72A	Z	-.303	-.303	0	%100
5	M75	X	-.275	-.275	0	%100
6	M75	Z	-.159	-.159	0	%100
7	M78	X	-.155	-.155	0	%100
8	M78	Z	-.09	-.09	0	%100
9	M79	X	-.611	-.611	0	%100
10	M79	Z	-.353	-.353	0	%100
11	M87A	X	-1.16	-1.16	0	%100
12	M87A	Z	-.67	-.67	0	%100
13	M92	X	-.29	-.29	0	%100
14	M92	Z	-.167	-.167	0	%100
15	MP4A	X	-.435	-.435	0	%100
16	MP4A	Z	-.251	-.251	0	%100
17	MP3A	X	-.435	-.435	0	%100
18	MP3A	Z	-.251	-.251	0	%100
19	MP2A	X	-.435	-.435	0	%100
20	MP2A	Z	-.251	-.251	0	%100
21	MP1A	X	-.435	-.435	0	%100
22	MP1A	Z	-.251	-.251	0	%100
23	M37	X	-.109	-.109	0	%100
24	M37	Z	-.063	-.063	0	%100
25	M37A	X	-.15	-.15	0	%100
26	M37A	Z	-.087	-.087	0	%100
27	M38	X	-.15	-.15	0	%100
28	M38	Z	-.087	-.087	0	%100
29	M43	X	-.829	-.829	0	%100
30	M43	Z	-.479	-.479	0	%100
31	M44	X	-1.12	-1.12	0	%100
32	M44	Z	-.646	-.646	0	%100
33	M46	X	-.829	-.829	0	%100
34	M46	Z	-.479	-.479	0	%100
35	M47	X	-.28	-.28	0	%100
36	M47	Z	-.162	-.162	0	%100
37	M37B	X	-.16	-.16	0	%100
38	M37B	Z	-.093	-.093	0	%100
39	M38A	X	-.524	-.524	0	%100
40	M38A	Z	-.303	-.303	0	%100
41	M39A	X	-.275	-.275	0	%100
42	M39A	Z	-.159	-.159	0	%100
43	M40A	X	-.611	-.611	0	%100
44	M40A	Z	-.353	-.353	0	%100

Member Distributed Loads (BLC 75 : Structure Wm (300 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
45	M41A	X	-.155	-.155	0	%100
46	M41A	Z	-.09	-.09	0	%100
47	M44A	X	-.29	-.29	0	%100
48	M44A	Z	-.167	-.167	0	%100
49	M46A	X	-1.16	-1.16	0	%100
50	M46A	Z	-.67	-.67	0	%100
51	MP4C	X	-.435	-.435	0	%100
52	MP4C	Z	-.251	-.251	0	%100
53	MP3C	X	-.435	-.435	0	%100
54	MP3C	Z	-.251	-.251	0	%100
55	MP2C	X	-.435	-.435	0	%100
56	MP2C	Z	-.251	-.251	0	%100
57	MP1C	X	-.435	-.435	0	%100
58	MP1C	Z	-.251	-.251	0	%100
59	M60	X	-.109	-.109	0	%100
60	M60	Z	-.063	-.063	0	%100
61	M61	X	-.15	-.15	0	%100
62	M61	Z	-.087	-.087	0	%100
63	M62	X	-.15	-.15	0	%100
64	M62	Z	-.087	-.087	0	%100
65	M67	X	-.829	-.829	0	%100
66	M67	Z	-.479	-.479	0	%100
67	M68	X	-.28	-.28	0	%100
68	M68	Z	-.162	-.162	0	%100
69	M70	X	-.829	-.829	0	%100
70	M70	Z	-.479	-.479	0	%100
71	M71	X	-1.12	-1.12	0	%100
72	M71	Z	-.646	-.646	0	%100
73	M73	X	-.641	-.641	0	%100
74	M73	Z	-.37	-.37	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75B	X	-1.099	-1.099	0	%100
78	M75B	Z	-.635	-.635	0	%100
79	M76	X	-.15	-.15	0	%100
80	M76	Z	-.087	-.087	0	%100
81	M77	X	-.15	-.15	0	%100
82	M77	Z	-.087	-.087	0	%100
83	M80B	X	-.29	-.29	0	%100
84	M80B	Z	-.167	-.167	0	%100
85	M82	X	-.29	-.29	0	%100
86	M82	Z	-.167	-.167	0	%100
87	MP4B	X	-.435	-.435	0	%100
88	MP4B	Z	-.251	-.251	0	%100
89	MP3B	X	-.435	-.435	0	%100
90	MP3B	Z	-.251	-.251	0	%100
91	MP2B	X	-.435	-.435	0	%100
92	MP2B	Z	-.251	-.251	0	%100
93	MP1B	X	-.435	-.435	0	%100
94	MP1B	Z	-.251	-.251	0	%100
95	M96	X	-.435	-.435	0	%100
96	M96	Z	-.251	-.251	0	%100

Member Distributed Loads (BLC 75 : Structure Wm (300 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
97	M97	X	-.6	-.6	0	%100
98	M97	Z	-.347	-.347	0	%100
99	M98	X	-.6	-.6	0	%100
100	M98	Z	-.347	-.347	0	%100
101	M103	X	0	0	0	%100
102	M103	Z	0	0	0	%100
103	M104	X	-.28	-.28	0	%100
104	M104	Z	-.162	-.162	0	%100
105	M106	X	0	0	0	%100
106	M106	Z	0	0	0	%100
107	M107	X	-.28	-.28	0	%100
108	M107	Z	-.162	-.162	0	%100
109	OVP1	X	-.397	-.397	0	%100
110	OVP1	Z	-.229	-.229	0	%100
111	OVP2	X	-.397	-.397	0	%100
112	OVP2	Z	-.229	-.229	0	%100
113	M119	X	-.123	-.123	0	%100
114	M119	Z	-.071	-.071	0	%100
115	M120	X	-.491	-.491	0	%100
116	M120	Z	-.283	-.283	0	%100
117	M121	X	-.123	-.123	0	%100
118	M121	Z	-.071	-.071	0	%100
119	M122	X	-.109	-.109	0	%100
120	M122	Z	-.063	-.063	0	%100
121	M123	X	-.109	-.109	0	%100
122	M123	Z	-.063	-.063	0	%100
123	M124	X	-.435	-.435	0	%100
124	M124	Z	-.251	-.251	0	%100

Member Distributed Loads (BLC 76 : Structure Wm (330 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	LV	X	-.278	-.278	0	%100
2	LV	Z	-.481	-.481	0	%100
3	M72A	X	-.101	-.101	0	%100
4	M72A	Z	-.175	-.175	0	%100
5	M75	X	-.476	-.476	0	%100
6	M75	Z	-.824	-.824	0	%100
7	M78	X	-7e-6	-7e-6	0	%100
8	M78	Z	-1.3e-5	-1.3e-5	0	%100
9	M79	X	-.263	-.263	0	%100
10	M79	Z	-.456	-.456	0	%100
11	M87A	X	-.502	-.502	0	%100
12	M87A	Z	-.87	-.87	0	%100
13	M92	X	0	0	0	%100
14	M92	Z	0	0	0	%100
15	MP4A	X	-.251	-.251	0	%100
16	MP4A	Z	-.435	-.435	0	%100
17	MP3A	X	-.251	-.251	0	%100
18	MP3A	Z	-.435	-.435	0	%100
19	MP2A	X	-.251	-.251	0	%100
20	MP2A	Z	-.435	-.435	0	%100

Member Distributed Loads (BLC 76 : Structure Wm (330 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
21	MP1A	X	-.251	-.251	0	%100
22	MP1A	Z	-.435	-.435	0	%100
23	M37	X	-.188	-.188	0	%100
24	M37	Z	-.326	-.326	0	%100
25	M37A	X	-.26	-.26	0	%100
26	M37A	Z	-.45	-.45	0	%100
27	M38	X	-.26	-.26	0	%100
28	M38	Z	-.45	-.45	0	%100
29	M43	X	-.16	-.16	0	%100
30	M43	Z	-.276	-.276	0	%100
31	M44	X	-.485	-.485	0	%100
32	M44	Z	-.84	-.84	0	%100
33	M46	X	-.16	-.16	0	%100
34	M46	Z	-.276	-.276	0	%100
35	M47	X	0	0	0	%100
36	M47	Z	0	0	0	%100
37	M37B	X	0	0	0	%100
38	M37B	Z	0	0	0	%100
39	M38A	X	-.403	-.403	0	%100
40	M38A	Z	-.699	-.699	0	%100
41	M39A	X	0	0	0	%100
42	M39A	Z	0	0	0	%100
43	M40A	X	-.266	-.266	0	%100
44	M40A	Z	-.46	-.46	0	%100
45	M41A	X	-.266	-.266	0	%100
46	M41A	Z	-.46	-.46	0	%100
47	M44A	X	-.502	-.502	0	%100
48	M44A	Z	-.87	-.87	0	%100
49	M46A	X	-.502	-.502	0	%100
50	M46A	Z	-.87	-.87	0	%100
51	MP4C	X	-.251	-.251	0	%100
52	MP4C	Z	-.435	-.435	0	%100
53	MP3C	X	-.251	-.251	0	%100
54	MP3C	Z	-.435	-.435	0	%100
55	MP2C	X	-.251	-.251	0	%100
56	MP2C	Z	-.435	-.435	0	%100
57	MP1C	X	-.251	-.251	0	%100
58	MP1C	Z	-.435	-.435	0	%100
59	M60	X	0	0	0	%100
60	M60	Z	0	0	0	%100
61	M61	X	0	0	0	%100
62	M61	Z	0	0	0	%100
63	M62	X	0	0	0	%100
64	M62	Z	0	0	0	%100
65	M67	X	-.639	-.639	0	%100
66	M67	Z	-1.106	-1.106	0	%100
67	M68	X	-.485	-.485	0	%100
68	M68	Z	-.84	-.84	0	%100
69	M70	X	-.639	-.639	0	%100
70	M70	Z	-1.106	-1.106	0	%100
71	M71	X	-.485	-.485	0	%100
72	M71	Z	-.84	-.84	0	%100

Member Distributed Loads (BLC 76 : Structure Wm (330 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
73	M73	X	-.278	-.278	0	%100
74	M73	Z	-.481	-.481	0	%100
75	M74	X	-.101	-.101	0	%100
76	M74	Z	-.175	-.175	0	%100
77	M75B	X	-.476	-.476	0	%100
78	M75B	Z	-.824	-.824	0	%100
79	M76	X	-.263	-.263	0	%100
80	M76	Z	-.456	-.456	0	%100
81	M77	X	-7e-6	-7e-6	0	%100
82	M77	Z	-1.3e-5	-1.3e-5	0	%100
83	M80B	X	0	0	0	%100
84	M80B	Z	0	0	0	%100
85	M82	X	-.502	-.502	0	%100
86	M82	Z	-.87	-.87	0	%100
87	MP4B	X	-.251	-.251	0	%100
88	MP4B	Z	-.435	-.435	0	%100
89	MP3B	X	-.251	-.251	0	%100
90	MP3B	Z	-.435	-.435	0	%100
91	MP2B	X	-.251	-.251	0	%100
92	MP2B	Z	-.435	-.435	0	%100
93	MP1B	X	-.251	-.251	0	%100
94	MP1B	Z	-.435	-.435	0	%100
95	M96	X	-.188	-.188	0	%100
96	M96	Z	-.326	-.326	0	%100
97	M97	X	-.26	-.26	0	%100
98	M97	Z	-.45	-.45	0	%100
99	M98	X	-.26	-.26	0	%100
100	M98	Z	-.45	-.45	0	%100
101	M103	X	-.16	-.16	0	%100
102	M103	Z	-.276	-.276	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	0	0	0	%100
105	M106	X	-.16	-.16	0	%100
106	M106	Z	-.276	-.276	0	%100
107	M107	X	-.485	-.485	0	%100
108	M107	Z	-.84	-.84	0	%100
109	OVP1	X	-.229	-.229	0	%100
110	OVP1	Z	-.397	-.397	0	%100
111	OVP2	X	-.229	-.229	0	%100
112	OVP2	Z	-.397	-.397	0	%100
113	M119	X	0	0	0	%100
114	M119	Z	0	0	0	%100
115	M120	X	-.213	-.213	0	%100
116	M120	Z	-.368	-.368	0	%100
117	M121	X	-.213	-.213	0	%100
118	M121	Z	-.368	-.368	0	%100
119	M122	X	-.188	-.188	0	%100
120	M122	Z	-.326	-.326	0	%100
121	M123	X	0	0	0	%100
122	M123	Z	0	0	0	%100
123	M124	X	-.188	-.188	0	%100
124	M124	Z	-.326	-.326	0	%100

Member Distributed Loads (BLC 87 : BLC 39 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M40A	Y	-1.946	-4.822	0	.858
2	M40A	Y	-4.822	-7.778	.858	1.716
3	M40A	Y	-7.778	-8.665	1.716	2.575
4	M40A	Y	-8.665	-6.484	2.575	3.433
5	M40A	Y	-6.484	-3.383	3.433	4.291
6	M41A	Y	-3.275	-6.555	0	.858
7	M41A	Y	-6.555	-9.485	.858	1.717
8	M41A	Y	-9.485	-7.23	1.717	2.575
9	M41A	Y	-7.23	-3.323	2.575	3.434
10	M41A	Y	-3.323	-2.601	3.434	4.292
11	M76	Y	-1.946	-4.822	0	.858
12	M76	Y	-4.822	-7.778	.858	1.716
13	M76	Y	-7.778	-8.665	1.716	2.575
14	M76	Y	-8.665	-6.484	2.575	3.433
15	M76	Y	-6.484	-3.383	3.433	4.291
16	M77	Y	-3.275	-6.555	0	.858
17	M77	Y	-6.555	-9.485	.858	1.717
18	M77	Y	-9.485	-7.23	1.717	2.575
19	M77	Y	-7.23	-3.323	2.575	3.434
20	M77	Y	-3.323	-2.601	3.434	4.292
21	M78	Y	-1.946	-4.822	0	.858
22	M78	Y	-4.822	-7.778	.858	1.716
23	M78	Y	-7.778	-8.665	1.716	2.575
24	M78	Y	-8.665	-6.484	2.575	3.433
25	M78	Y	-6.484	-3.383	3.433	4.291
26	M79	Y	-3.275	-6.555	0	.858
27	M79	Y	-6.555	-9.485	.858	1.717
28	M79	Y	-9.485	-7.23	1.717	2.575
29	M79	Y	-7.23	-3.323	2.575	3.434
30	M79	Y	-3.323	-2.601	3.434	4.292

Member Distributed Loads (BLC 88 : BLC 40 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M78	Y	-6.307	-15.624	0	.858
2	M78	Y	-15.624	-25.201	.858	1.716
3	M78	Y	-25.201	-28.076	1.716	2.575
4	M78	Y	-28.076	-21.009	2.575	3.433
5	M78	Y	-21.009	-10.961	3.433	4.291
6	M79	Y	-10.611	-21.237	0	.858
7	M79	Y	-21.237	-30.731	.858	1.717
8	M79	Y	-30.731	-23.425	1.717	2.575
9	M79	Y	-23.425	-10.768	2.575	3.434
10	M79	Y	-10.768	-8.428	3.434	4.292
11	M40A	Y	-6.307	-15.624	0	.858
12	M40A	Y	-15.624	-25.201	.858	1.716
13	M40A	Y	-25.201	-28.076	1.716	2.575
14	M40A	Y	-28.076	-21.009	2.575	3.433
15	M40A	Y	-21.009	-10.961	3.433	4.291
16	M41A	Y	-10.611	-21.237	0	.858
17	M41A	Y	-21.237	-30.731	.858	1.717
18	M41A	Y	-30.731	-23.425	1.717	2.575

Member Distributed Loads (BLC 88 : BLC 40 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	M41A	Y	-23.425	-10.768	2.575	3.434
20	M41A	Y	-10.768	-8.428	3.434	4.292
21	M76	Y	-6.307	-15.624	0	.858
22	M76	Y	-15.624	-25.201	.858	1.716
23	M76	Y	-25.201	-28.076	1.716	2.575
24	M76	Y	-28.076	-21.009	2.575	3.433
25	M76	Y	-21.009	-10.961	3.433	4.291
26	M77	Y	-10.611	-21.237	0	.858
27	M77	Y	-21.237	-30.731	.858	1.717
28	M77	Y	-30.731	-23.425	1.717	2.575
29	M77	Y	-23.425	-10.768	2.575	3.434
30	M77	Y	-10.768	-8.428	3.434	4.292

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N62A	N61A	N99	N100	Y	Two Way	-.005
2	N155	N156	N118A	N117	Y	Two Way	-.005
3	N59	N122	N121	N58A	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N59	N122	N121	N58A	Y	Two Way	-.016
2	N99	N100	N62A	N61A	Y	Two Way	-.016
3	N155	N156	N118A	N117	Y	Two Way	-.016

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N112A	max	672.984	10	2931.405	13	1847.306	1	9.057	13	1.507	4	.163	3
2		min	-673.606	4	412.44	7	-1913.634	7	.2	7	-1.503	10	-.218	9
3	N59A	max	1777.188	10	3130.74	21	1086.252	3	-.203	3	1.549	12	.049	3
4		min	-1839.539	4	477.722	3	-1053.082	9	-4.476	21	-1.545	6	-7.727	21
5	N115	max	1851.877	11	3098.217	17	1223.735	12	-.162	11	1.504	8	7.823	17
6		min	-1790.767	5	445.451	11	-1189.414	6	-4.759	17	-1.502	2	.179	11
7	Totals:	max	4133.967	10	8693.826	21	4009.495	1						
8		min	-4133.957	4	2195.875	69	-4009.499	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear...	Loc[ft]	Dir	LC	phi*Pnc...	phi*Pnt...	phi*Mn ...	phi*Mn ...	Cb	Eqn
1	LV	PIPE_3.0	.275	4.687	18	.093	10.4...		19	19871....	65205	5.749	5.749	2...	H1-1b
2	M72A	HSS4X4X4	.722	0	13	.106	0	y	23	94992....	109188	12.663	12.663	3...	H1-1b
3	M75	PL1/2x6	.317	.547	8	.198	.239	y	20	62895....	97200	1.012	12.15	1...	H1-1b
4	M78	L2x2x3	.175	4.291	2	.018	4.291	y	15	9300.124	23392.8	.558	1.075	1...	H2-1
5	M79	L2x2x3	.154	0	12	.024	0	y	22	9294.632	23392.8	.558	1.079	1...	H2-1
6	M87A	PL1/2x6	.063	.125	1	.110	.125	y	9	96648....	97200	1.012	12.15	1...	H1-1b
7	M92	PL1/2x6	.066	.125	1	.063	0	y	23	96648....	97200	1.012	12.15	1...	H1-1b
8	MP4A	PIPE_2.0	.345	4.063	17	.142	.5		6	20866....	32130	1.872	1.872	2...	H1-1b
9	MP3A	PIPE_2.0	.359	4.063	17	.109	4.063		6	20866....	32130	1.872	1.872	2...	H1-1b

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear..	Loc[ft]	Dir	LC	phi*Pnc..	phi*Pnt...	phi*Mn	..phi*Mn	..Cb	Eqn
10	MP2A	PIPE_2.0	.417	4.063	10	.075	4.063		10	20866....	32130	1.872	1.872	2...	H1-1b
11	MP1A	PIPE_2.0	.568	4.063	21	.180	.5		7	20866....	32130	1.872	1.872	2...	H1-1b
12	M37	PIPE_2.0	.270	1.484	21	.054	5.479		12	22417....	32130	1.872	1.872	1...	H1-1b
13	M37A	HSS4X4X3	.334	2.406	14	.078	2.406	y	13	82081....	83592	9.909	9.909	1...	H1-1b
14	M38	HSS4X4X3	.377	0	24	.097	0	y	23	82081....	83592	9.909	9.909	1...	H1-1b
15	M43	PL3/8x6	.185	0	12	.520	0	y	24	71260....	72900	.57	9.113	1...	H1-1b
16	M44	PL3/8x6	.216	.167	12	.551	0	y	23	71601....	72900	.57	9.113	1...	H1-1b
17	M46	PL3/8x6	.210	0	1	.517	0	y	13	71260....	72900	.57	9.113	1...	H1-1b
18	M47	PL3/8x6	.250	.167	8	.471	0	y	13	71601....	72900	.57	9.113	1...	H1-1b
19	M37B	PIPE_3.0	.273	4.687	14	.071	10.4...		16	19871....	65205	5.749	5.749	2...	H1-1b
20	M38A	HSS4X4X4	.713	0	21	.113	0	y	18	94992....	109188	12.663	12.663	3...	H1-1b
21	M39A	PL1/2x6	.328	.547	4	.197	.239	y	16	62895....	97200	1.012	12.15	1...	H1-1b
22	M40A	L2x2x3	.181	4.291	10	.018	4.291	y	22	9300.124	23392.8	.558	1.075	1...	H2-1
23	M41A	L2x2x3	.151	0	8	.024	4.292	y	16	9294.632	23392.8	.558	1.079	1...	H2-1
24	M44A	PL1/2x6	.063	.125	9	.111	.125	y	17	96648....	97200	1.012	12.15	1...	H1-1b
25	M46A	PL1/2x6	.068	.125	9	.055	0	y	7	96648....	97200	1.012	12.15	1...	H1-1b
26	MP4C	PIPE_2.0	.261	.5	8	.059	.5		5	20866....	32130	1.872	1.872	2...	H1-1b
27	MP3C	PIPE_2.0	.534	4.063	13	.135	.5		15	20866....	32130	1.872	1.872	2...	H1-1b
28	MP2C	PIPE_2.0	.447	4.063	6	.076	4.063		6	20866....	32130	1.872	1.872	2...	H1-1b
29	MP1C	PIPE_2.0	.527	4.063	17	.198	.5		3	20866....	32130	1.872	1.872	2...	H1-1b
30	M60	PIPE_2.0	.257	1.484	5	.061	1.484		2	22417....	32130	1.872	1.872	2...	H1-1b
31	M61	HSS4X4X3	.337	2.406	22	.078	2.406	y	21	82081....	83592	9.909	9.909	1...	H1-1b
32	M62	HSS4X4X3	.377	0	20	.095	0	y	20	82081....	83592	9.909	9.909	1...	H1-1b
33	M67	PL3/8x6	.175	0	8	.541	0	y	20	71260....	72900	.57	9.113	1...	H1-1b
34	M68	PL3/8x6	.215	.167	2	.554	0	y	19	71601....	72900	.57	9.113	1...	H1-1b
35	M70	PL3/8x6	.236	0	9	.533	0	y	21	71260....	72900	.57	9.113	1...	H1-1b
36	M71	PL3/8x6	.258	.167	4	.478	0	y	21	71601....	72900	.57	9.113	1...	H1-1b
37	M73	PIPE_3.0	.279	4.687	22	.094	10.4...		23	19871....	65205	5.749	5.749	2...	H1-1b
38	M74	HSS4X4X4	.731	0	17	.124	0	y	18	94992....	109188	12.663	12.663	2...	H1-1b
39	M75B	PL1/2x6	.337	.547	12	.148	1.094	y	7	62895....	97200	1.012	12.15	1...	H1-1b
40	M76	L2x2x3	.181	4.291	6	.018	4.291	y	18	9300.124	23392.8	.558	1.075	1...	H2-1
41	M77	L2x2x3	.158	0	4	.022	0	y	16	9294.632	23392.8	.558	1.079	1...	H2-1
42	M80B	PL1/2x6	.061	.125	5	.083	.125	y	13	96648....	97200	1.012	12.15	1...	H1-1b
43	M82	PL1/2x6	.066	.125	5	.126	0	y	26	96648....	97200	1.012	12.15	1...	H1-1b
44	MP4B	PIPE_2.0	.345	4.063	21	.139	.5		10	20866....	32130	1.872	1.872	2...	H1-1b
45	MP3B	PIPE_2.0	.357	4.063	21	.106	4.063		10	20866....	32130	1.872	1.872	2...	H1-1b
46	MP2B	PIPE_2.0	.426	4.063	2	.076	4.063		3	20866....	32130	1.872	1.872	2...	H1-1b
47	MP1B	PIPE_2.0	.572	4.063	13	.195	.5		11	20866....	32130	1.872	1.872	2...	H1-1b
48	M96	PIPE_2.0	.298	7.969	13	.066	7.969		4	8957.595	32130	1.872	1.872	1...	H1-1b
49	M97	HSS4X4X3	.340	2.406	18	.082	2.406	y	17	82081....	83592	9.909	9.909	1...	H1-1b
50	M98	HSS4X4X3	.360	0	16	.080	0	y	18	82081....	83592	9.909	9.909	1...	H1-1b
51	M103	PL3/8x6	.198	0	4	.606	0	y	14	71260....	72900	.57	9.113	1...	H1-1b
52	M104	PL3/8x6	.230	.167	10	.499	0	y	17	71601....	72900	.57	9.113	1...	H1-1b
53	M106	PL3/8x6	.234	0	5	.498	0	y	17	71260....	72900	.57	9.113	1...	H1-1b
54	M107	PL3/8x6	.261	.167	12	.477	0	y	17	71601....	72900	.57	9.113	1...	H1-1b
55	OVP1	PIPE_2.0	.155	3	11	.015	3		11	26521....	32130	1.872	1.872	1...	H1-1b
56	OVP2	PIPE_2.0	.155	3	5	.015	3		5	26521....	32130	1.872	1.872	1...	H1-1b
57	M119	L2.5x2.5x4	.283	.926	10	.134	0	y	12	37491....	38556	1.114	2.537	1...	H2-1
58	M120	L2.5x2.5x4	.319	0	3	.142	.926	y	11	37491....	38556	1.114	2.537	1...	H2-1
59	M121	L2.5x2.5x4	.304	0	3	.135	0	z	4	37491....	38556	1.114	2.537	1...	H2-1
60	M122	PIPE_2.0	.295	2.511	21	.096	6.986		7	8957.608	32130	1.872	1.872	2...	H1-1b
61	M123	PIPE_2.0	.319	6.986	13	.301	6.986		9	8957.608	32130	1.872	1.872	1...	H1-1b

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear..	Loc[ft]	Dir	LC	phi*Pnc..	phi*Pnt...	phi*Mn	..phi*Mn	..Cb	Eqn
62	M124	PIPE_2.0	.274	3.995	21	.090	1.941		11	22417....	32130	1.872	1.872	3...	H1-1b

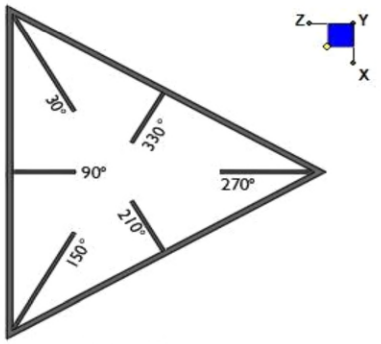
Client:	Verizon	Date:	11/19/2021
Site Name:	SIMSBURY CT		
Project No.	21777087A		
Title:	Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

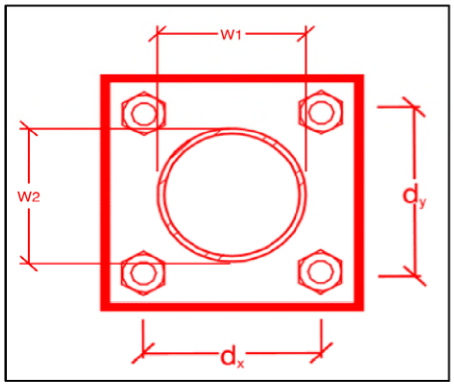
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N59	30
N115	150
N112A	270



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	yes
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	8
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	8
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength (kips):	27.9
Required Shear Strength (kips):	3.8
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**33.7%***
Shear Capacity Overall:	**7.6%**



**Note: Tension reduction not required if tension or shear capacity < 30%*

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
Plate Width (in):	10
Plate Height (in):	10
W1 (in):	4
W2 (in):	4
Fy (ksi, plate):	36
t_{plate} (in):	0.625
Weld Size (1/16 in):	6
Phi*Rn (kip/in):	8.35
Required Weld Strength (kip/in):	5.19
Plate Bending Capacity:	**89.1%**
Weld Capacity:	**62.1%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	27.9
$Phi*Mn_{xx}$ *(kip-in)* :	31.6
Mu_{yy} *(kip-in)* :	0.2
$Phi*Mn_{yy}$ *(kip-in)* :	31.6

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

Passing Mount Analysis requires a PMI due to a modification in loading.
Electronic pdf version of this can be downloaded at https://pmi.vzwsmart.com.
For additional questions and support, please reach out to pmisupport@colliersengineering.com

---

Purpose – to provide SMART Tool structural vendor the proper documentation in order to complete the required Mount Desktop review of the Post Modification Inspection Report.

- Contractor is responsible for making certain the photos provided as noted below provide confirmation that the installation was completed in accordance with this Passing Mount Analysis.
- Contractor shall relay any data that can impact the performance of the mount, this includes safety issues.

Base Requirements:

- If installation will cause damage to the structure, the climbing facility, or safety climb if present or any installed system, SMART Tool vendor to be notified prior to install. Any special photos outside of the standard requirements will be indicated on the drawings.
- Provide "as built mount drawings" showing contractor's name, contact information, preparer's signature, and date. Any deviations from the drawings (Proposed modification) shall be shown. NOTE: If loading is different than what is conveyed in the passing mount analysis (MA) contact the SMART Tool vendor immediately.
- Each photo should be time and date stamped
- Photos should be high resolution.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope. If there is conflict, contact the SMART Tool engineer for recommendations.
- The PMI can be accessed at the following portal: ***https://pmi.vzwsmart.com***

Photo Requirements:

- *Photos taken at ground level*
  - Photo of Gate Signs showing the tower owner, site name, and number.
  - Overall tower structure after installation.
  - Photos of the mount after installation; if the mounts are at different rad elevations, pictures must be provided for all elevations that equipment was installed.
- *Photos taken at Mount Elevation*
  - Photos showing the safety climb wire rope above and below the mount prior to installation.
  - Photos showing the climbing facility and safety climb if present.

- Photos showing each individual sector after installation. Each entire sector shall be in one photo to show the interconnection of members.
  - These photos shall also certify that the placement and geometry of the equipment on the mount is as depicted in the antenna placement diagram in this form.
- Photos that show the model number of each antenna and piece of equipment installed per sector.

Antenna & equipment placement and Geometry Confirmation:

- The contractor shall certify that the antenna & equipment placement and geometry is in accordance with the sketch and table as included in the mount analysis and noted below.

Special Instructions / Validation as required from the MA or any other information the contractor deems necessary to share that was identified:

Issue:

Response:

Contractor certifies that the climbing facility / safety climb was not damaged or obstructed prior to starting work:

☐ Yes ☐ No

Contractor certifies no new damage/obstructions created during the current installation:

☐ Yes ☐ No

Contractor to certify the condition of the safety climb and verify no obstructions when leaving the site:

☐ Safety climb in good condition with no obstructions ☐ Safety Climb Damaged
☐ Safety Climb Obstructed

Comments:

☐ All hardware has been properly installed, and the existing hardware was inspected.

☐ The material utilized was as specified on the SMART Tool engineering vendor Mount Modification Drawings and included in the material certification folder is a packing list or invoice for these materials.

OR

☐ The material utilized was approved by a SMART Tool as an "equivalent" and this approval is included as part of the contractor submission.

Antenna & equipment placement and Geometry Confirmation:

☐ The contractor certifies that the photos support and the equipment on the mount is as depicted on the sketch and table included in this form and with the mount analysis provided.

OR

☐ The contractor notes that the equipment on the mount is not in accordance with the sketch and has noted the differences below and provided photo documentation of any alterations.

Special Instruction Confirmation:

☐ The contractor has read and acknowledges the above special instructions.

Certifying Individual:

Company:	
Employee Name:	
Contact Phone:	
Email:	
Date:	

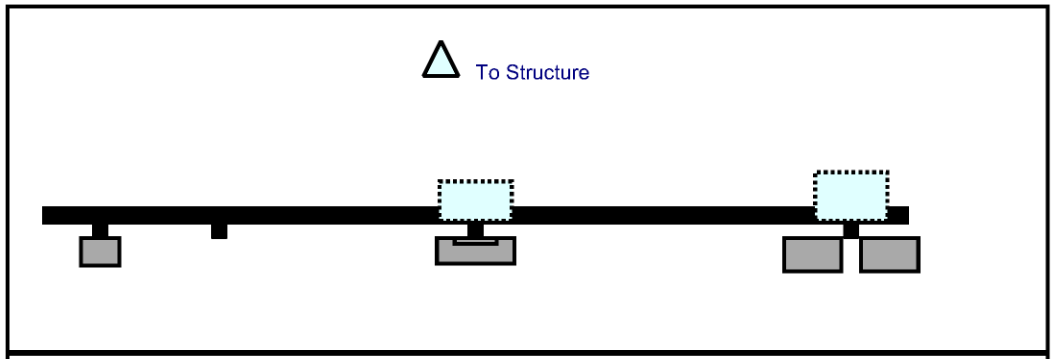
Structure: 467522-VZW - SIMSBURY CT

Sector: **A** 11/19/2021

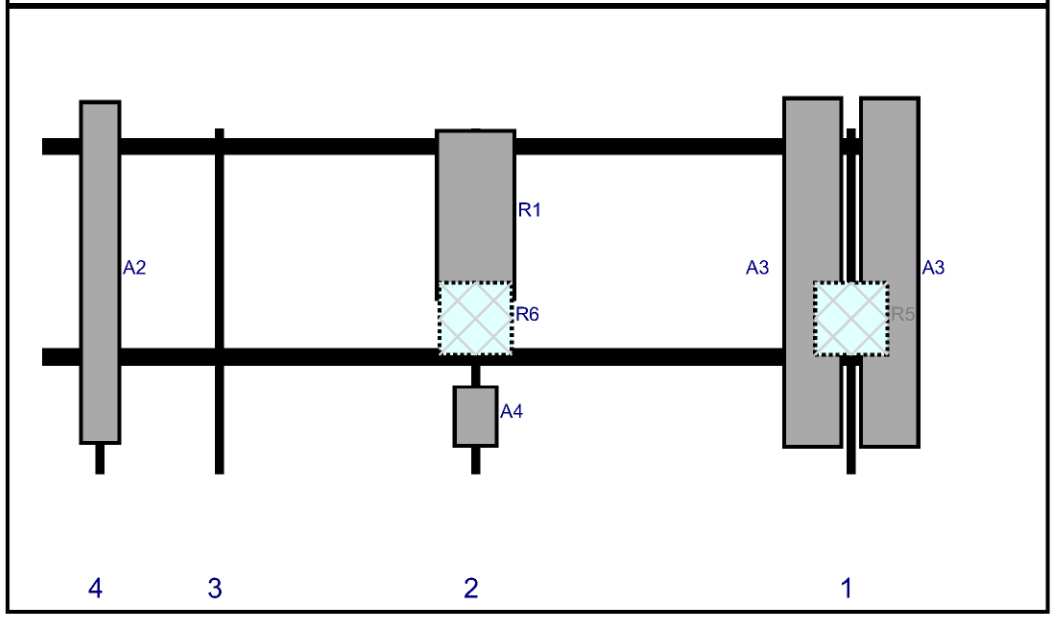
Structure Type: Monopole 10037818

Mount Elev: 138.50 Page: 1

Plan View



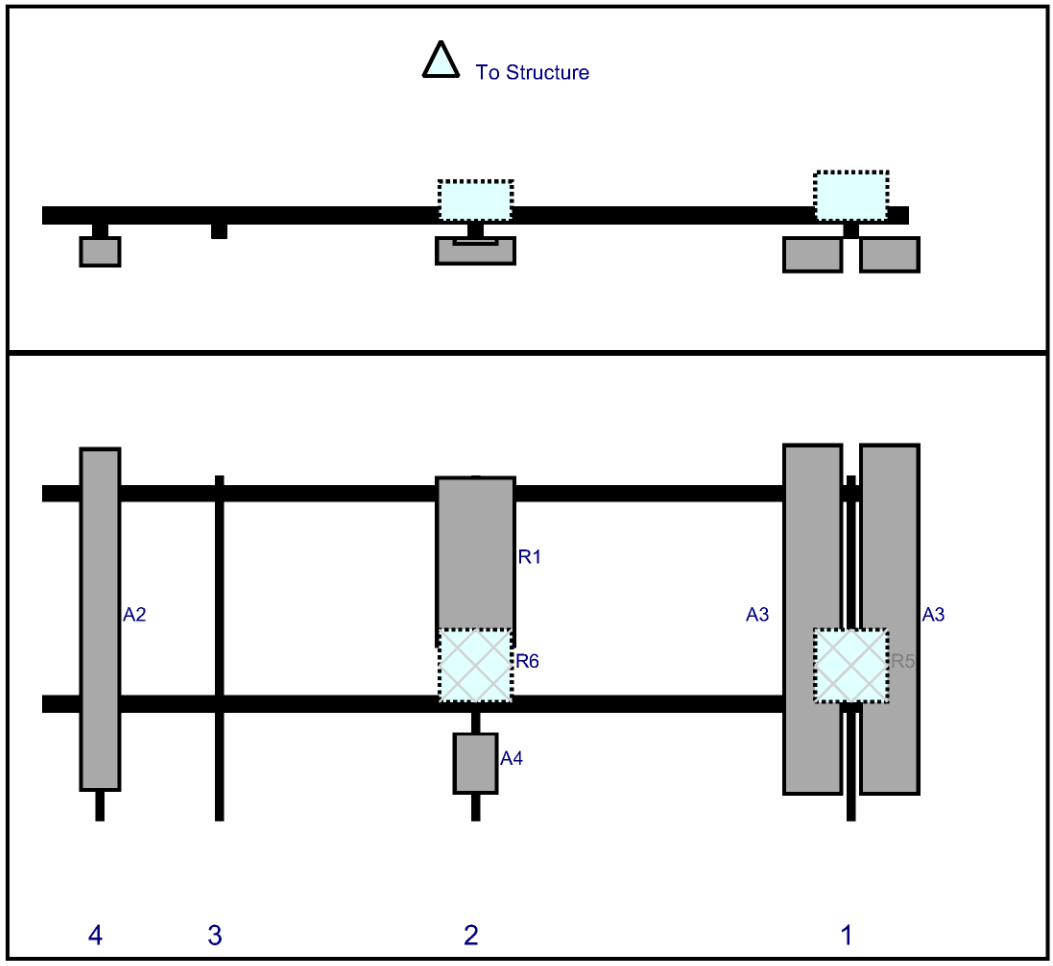
Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A3	SBNHH-1D65B	72.6	11.9	168	1	a	Front	30	8	Retained	11/09/2021
A3	SBNHH-1D65B	72.6	11.9	168	1	b	Front	30	-8	Retained	11/09/2021
R5	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	168	1	a	Behind	39.6	0	Retained	11/09/2021
A4	XXDWMM-12.5-65-8T-CBRS	12.3	8.7	90	2	a	Front	60	0	Retained	11/09/2021
R1	MT6407-77A	35.1	16.1	90	2	a	Front	18	0	Added	
R6	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	90	2	a	Behind	39.6	0	Retained	11/09/2021
A2	BXA-70080-4BF-EDIN	71	8	12	4	a	Front	30	0	Retained	11/09/2021

Plan View

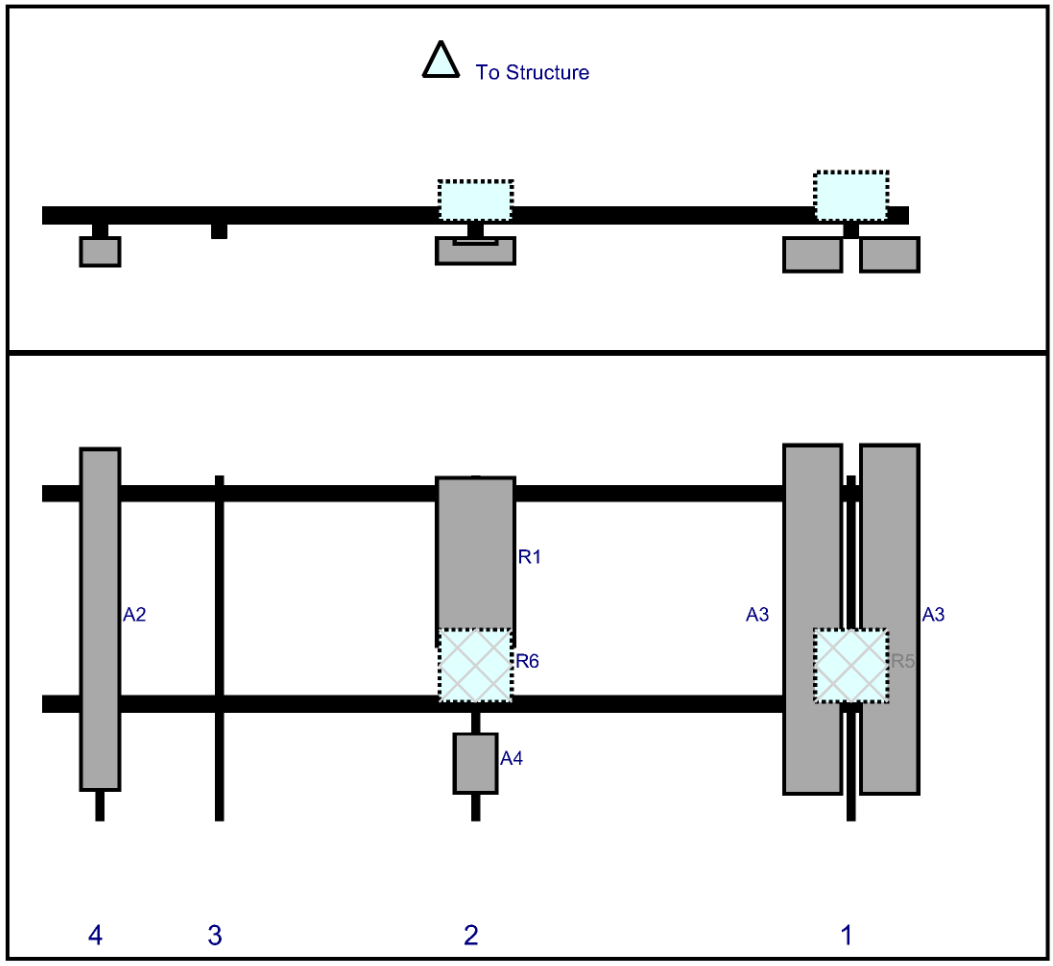
Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A2	BXA-70080-4BF-EDIN	71	8	12	4	a	Front	30	0	Retained	11/09/2021
A3	SBNHH-1D65B	72.6	11.9	168	1	a	Front	30	8	Retained	11/09/2021
A3	SBNHH-1D65B	72.6	11.9	168	1	b	Front	30	-8	Retained	11/09/2021
R5	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	168	1	a	Behind	39.6	0	Retained	11/09/2021
A4	XXDWMM-12.5-65-8T-CBRS	12.3	8.7	90	2	a	Front	60	0	Retained	11/09/2021
R1	MT6407-77A	35.1	16.1	90	2	a	Front	18	0	Added	
R6	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	90	2	a	Behind	39.6	0	Retained	11/09/2021

Plan View

Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A3	SBNHH-1D65B	72.6	11.9	168	1	a	Front	30	8	Retained	11/09/2021
A3	SBNHH-1D65B	72.6	11.9	168	1	b	Front	30	-8	Retained	11/09/2021
R5	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	168	1	a	Behind	39.6	0	Retained	11/09/2021
A4	XXDWMM-12.5-65-8T-CBRS	12.3	8.7	90	2	a	Front	60	0	Retained	11/09/2021
R1	MT6407-77A	35.1	16.1	90	2	a	Front	18	0	Added	
R6	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	90	2	a	Behind	39.6	0	Retained	11/09/2021
A2	BXA-70080-4BF-EDIN	71	8	12	4	a	Front	30	0	Retained	11/09/2021

Maser Consulting Connecticut

MASER CONSULTING
— CONNECTICUT —

Subject		*TIA-222-H Usage*
Site Information	*Site ID:*	*467522-VZW / SIMSBURY CT*
	Site Name:	*SIMSBURY CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*1 Grist Mill Rd* *Simsbury, Connecticut 06070* *Hartford County*
	Latitude:	*41.866709°*
	Longitude:	*-72.815773°*
Structure Information	*Tower Type:*	*150-Ft Monopole*
	Mount Type:	*15.00-Ft Platform*

To Whom It May Concern,

We respectfully submit the above referenced Antenna Mount Structural Analysis report in conformance with ANSI/TIA-222-H, Structural Standard for Antenna Supporting Structures and Antennas and Small Wind Turbine Support Structures.

The 2015 International Building Code states that, in Section 3108, telecommunication towers shall be designed and constructed in accordance with the provisions of TIA-222. The TIA-222-H is the latest revision of the TIA-222 Standard, effective as of January 01, 2018.

As with all ANSI standards and engineering best practice is to apply the most current revision of the standard. This ensures the engineer is applying all updates. As an example, the TIA-222-H standard includes updates to bring it in line with the latest AISC and ACI standards and it also incorporates the latest wind speed map by ASCE 7 based on updated studies of the wind data.

The TIA-222-H standard clarifies these specific requirements for the antenna mount analysis such as modeling method, seismic analysis, 30-degree increment wind direction and maintenance loading. Therefore, it is our opinion that TIA-222-H is the most appropriate standard for antenna mount structural analysis and is acceptable for use at this site to ensure the engineer is taking into account the most current engineering standard available.

Sincerely,

Derek Hartzell, PE
Technical Specialist

ATTACHMENT 5

Millers Way
Grist Mill Rd
Benistar Limited
DW Burr
Sawyers Path
Mill Commons Apartments
Millers Way
Werk Way
tower site


Grist Mill Rd
Simsbury, CT 06070
41.867941, -72.812606

Town of Simsbury, CT

Property Listing Report

Map Block Lot	Building #	Unique Identifier
F11 103 005		30569027

Property Information

Property Location	225 GRIST MILL ROAD
Mailing Address	P O BOX 711 SIMSBURY CT 06070
Land Use	Commercial Vacant Land
Zoning Code	I-2
Neighborhood	0239

Owner	ENSIGN-BICKFORD REALTY CORPORATION
Co-Owner	
Book / Page	0294/0600
Land Class	Commercial
Census Tract	
Acreage	0.23

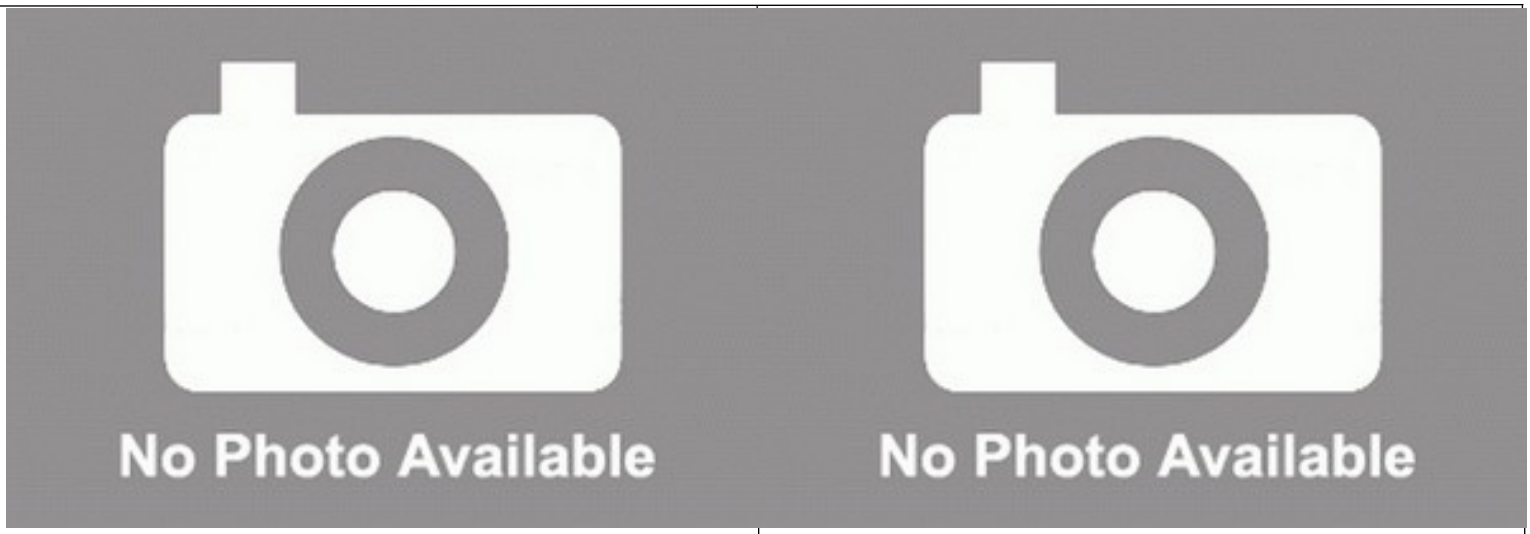
Valuation Summary

(Assessed value = 70% of Appraised Value)

Item	Appraised	Assessed
Buildings	0	0
Outbuildings	120000	84000
Land	490188	343130
Total	610188	427130

Utility Information

Electric	No
Gas	No
Sewer	No
Public Water	No
Well	No



Primary Construction Details

Year Built		Heating Fuel		Livable Area (ft)		Bsmt Area	
Building Desc.		Heating Type		Building Use		Fin Bsmt Area	
Building Style		AC Type		Building Condition		Fin Bsmt Quality	
Stories		Bedrooms		Frame Type		Bsmt Access	
Exterior Walls		Full Bathrooms		Building Grade		Bsmt Gar	
Exterior Walls 2		Half Bathrooms		Fireplaces		Bsmt Sump Pump	
Interior Walls		Extra Fixtures		Wood Stoves			
Interior Walls 2		Total Rooms		Attic Access			
Interior Floors 1		Bath Style		Roof Style			
Interior Floors 2		Kitchen Style		Roof Cover			
		Occupancy					

Report Created On 4/7/2022

Town of Simsbury, CT

Property Listing Report | Map Block Lot: **F11 103 005** | Building #: | Unique Identifier: **30569027**

Detached Outbuildings

Type	Description	Area (sq ft)	Condition	Year Built
Tower	Cell Tower	1	Average	0

Attached Extra Features

Type	Description	Area (sq ft)	Condition	Year Built

Sales History

Owner of Record	Book/ Page	Sale Date	Sale Price
ENSIGN-BICKFORD REALTY CORPORATION	0294_0600	11/25/1985	0

Report Created On **4/7/2022**

ATTACHMENT 6

UNITED STATES POSTAL SERVICE®

SIMSBURY

Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here ***Postmark with Date of Receipt.***
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	3	3	neopost 04/11/2022 US POSTAGE $002.99⁰ ZIP 06103 041L12203937
	Postmaster, per *(name of receiving employee)*		

USPS® Tracking Number / Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Wendy Mackstutis, First Selectman Town of Simsbury 933 Hopmeadow Street Simsbury, CT 06070				
2.	Tom Hazel, Assistant Town Planner Town of Simsbury 933 Hopmeadow Street Simsbury, CT 06070				
3.	Ensign Bickford Realty Company P.O. Box 711 Simsbury, CT 06070				
4.			OLD STATE HOUSE UNION CLERK APR 11 2022 USPS		
5.					
6.					

PS Form **3665**, January 2017 (Page 1 of 1) PSN 7530-17-000-5549

See Reverse for Instructions