Robinson+Cole

KENNETH C. BALDWIN

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Also admitted in Massachusetts and New York

August 2, 2023

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 299 Sheffield Street, Waterbury, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains a wireless telecommunications facility at the above-referenced address (the "Property"). Cellco's facility consists of antennas and remote radio heads attached to a tower. Equipment associated with the facility is located on the ground adjacent to the tower. Cellco's facility was approved by the Siting Council ("Council") in November of 2001 (TS-VER-151-011024). A copy of the Council's tower share approval is included in <u>Attachment 1</u>.

Cellco's proposed modification involves the installation of four (4) interference mitigation filters ("filters") on Cellco's existing antenna platform and antenna mounting assembly. The specification sheet for the filters is included in <u>Attachment 2</u>.

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 Waterbury'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.

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Melanie A. Bachman, Esq. August 2, 2023 Page 2

- 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 the new filters will not result in a change to radio frequency (RF) emissions from the facility. Therefore, no new RF emissions information is included in this filing.
- 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 Report ("SA") and Antenna Mount Analysis Report ("MA"), the existing tower, foundation, antenna platform and mounting assembly can support Cellco's proposed modifications. A copy of the SA and MA are included in Attachment 3.

A copy of the parcel map and Property owner information is included in <u>Attachment 4</u>. A Certificate of Mailing verifying that this filing was sent to municipal officials and the property owner is included in <u>Attachment 5</u>.

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:

Neil M. O'Leary, Mayor Robert Nerney, City Planner Level Development Corporation, Property Owner Kamoya Bautista, Verizon Wireless

ATTACHMENT 1

November 8, 2001

Kenneth C. Baldwin Robinson & Cole 280 Trumbull Street Hartford, CT 06103-3597

RE: TS-VER-151-011024 - Cellco Partnership d/b/a Verizon Wireless request for an order to approve tower sharing at a telecommunications facility located at 299 Sheffield Avenue, Waterbury, Connecticut.

Dear Attorney Baldwin:

At a public meeting held November 7, 2001, the Connecticut Siting Council (Council) ruled that the shared use of this existing tower site is technically, legally, environmentally, and economically feasible and meets public safety concerns, and therefore, in compliance with General Statutes § 16-50aa, the Council has ordered the shared use of this facility to avoid the unnecessary proliferation of tower structures. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Any additional change to this facility may require an explicit request to this agency pursuant to General Statutes § 16-50aa or notice pursuant to Regulations of Connecticut State Agencies Section 16-50j-73, as applicable. Such request or notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Any deviation from this format may result in the Council implementing enforcement proceedings pursuant to General Statutes § 16-50u including, without limitation, imposition of expenses resulting from such failure and of civil penalties in an amount not less than one thousand dollars per day for each day of construction or operation in material violation.

This decision applies only to this request for tower sharing and is not applicable to any other request or construction.

The proposed shared use is to be implemented as specified in your letter dated October 23, 2001.

Thank you for your attention and cooperation.

Very truly yours,

Mortimer A. Gelston Chairman

MAG/RKE/laf

c: Honorable Sam S.F. Caligiuri, Acting Mayor, City of Waterbury Vincent Viggiano, Zoning Enforcement Officer, City of Waterbury Esther McNany, SBA, Inc. Christopher B. Fisher, Esq., Cuddy & Feder & Worby LLP Michele G. Briggs, SNET Mobility LLC

ATTACHMENT 2



BSF0020F3V1-1

TWIN BANDSTOP 900MHZ INTERFERENCE MITIGATION FILTER

The BSF0020 is ideal for co-located 700, 850 and 900 networks. Utilising a 2,6MHz guardband the BSF0020 provides rejection of the 900 UL band while passing 700/850 UL and DL bands. Capable of being used in an outdoor environment the BSF0020 contains two identical bandstop filters, suitable for 2x2 MIMO configuration, offering excellent insertion loss, group delay and rejection.

FEATURES

- · Passes full 700 and 850 bands
- Low insertion loss
- Rejection of 900MHz uplink
- DC/AISG pass
- Twin unit
- · Dual twin mounting available



BAND NAME	700 PATH / 850 UPLINK PATH	850 DOWNLINK PATH		
Passband	698 - 849MHz	869 - 891 5MHz		
Insertion loss	0.1dB typical / 0.3dB maximum	0.5dB typical, 1.45dB maximum		
Return loss	24dB typical,	18dB minimum		
Maximum input power (Per Port)	100W average	200W average and 66W per 5MHz		
Rejection	53dB minimum @ 894.1 - 896.5MHz			
ELECTRICAL				
Impedance	500			
Intermodulation products	-160dBc maximum in UL Band (assuming -153dBc maximur	g 20MHz Signal), with 2 x 43dBm carriers n with 2 x 43dBm		
DC / AISG				
Passband	0 - 13MHz			
nsertion loss	0,3dB maximum			
Return loss	15dB minimum			
nput voltage range	± 33V			
DC current rating	2A continuous, 4A peak			
Compliance	3GPP TS 25.461			
ENVIRONMENTAL				
For further details of environmental c	ompliance, please contact Kaelus.			
Temperature range	-20°C to +60°C	-4°F to +140°F		
ngress protection	IPE	57		
Altitude	2600m			
Lightning protection	RF port: ±5kA maximum (8/20us), IEC 61000-4-5 – Unit n	nust be terminated with some lightning protection circuits		
MTBF	>1,000,000 hours			
Compliance	ETSI EN 300 019 class 4.1H, RoHS, NEBS GR-487-CORE			
MECHANICAL				
Dimensions H x D x W	269 x 277 x 80mm 10,60 x 10.90 x 3.1	5in (Excluding brackets and connectors)		
Weight	8.0 kg 17.6 lb	s (no bracket)		
Finish	Powder coated, ligi	ht grey (RAL7035)		

RF: 4.3-10 (F) x 4

Optional pole/wall bracket supplied with two metal clamps 45-178mm diameter poles or custom bracket. See ordering

Connectors

Mounting

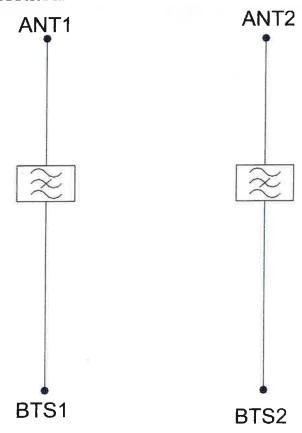


ORDERING INFORMATION

PART NUMBER	CONFIGURATION	OPTIONAL FEATURES	CONNECTORS
BSF0020F3V1	TWIN, 2 in / 2 out	DC/AISG PASS NO BRACKET	4,3-10 (F)
BSF0020F3V1-1	TWIN, 2 in / 2 out	DC/AISG PASS	4.3-10 (F)
BSF0020F3V1-2	QUAD, 4 in / 4 out	DC/AISG PASS	4.3-10 (F)

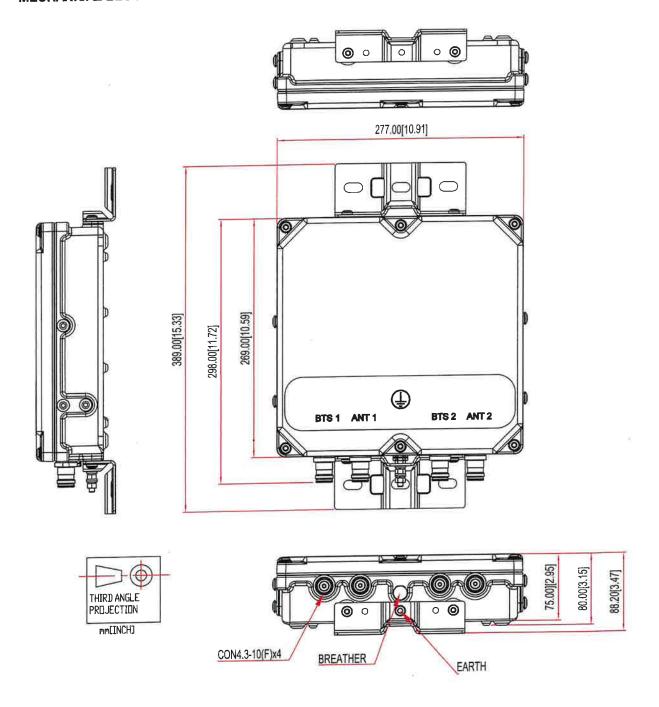


ELECTRICAL BLOCK DIAGRAM





MECHANICAL BLOCK DIAGRAM



ATTACHMENT 3



SBA Communications Corporation 8051 Congress Avenue Boca Raton, FL 33487-1307

> T + 561 995 7670 F + 561 995 7626

> > sbasite.com

Structural Analysis Report

Client: Verizon

Client Site ID / Name: 5000386231 / Waterbury 3 CT

Application #: 224534, v2

SBA Site ID / Name: CT02722-S / Waterbury

158 ft Monopole

299 Sheffield Street Waterbury, Connecticut 06704 Lat: 41.594089, Long: -73.050567

Project number: CT02722-VZW-061523

Analysis Results

Tower	71.2%	Pass
Foundation	61.0%	Pass

Change in tower stress due to mount modification / replacement	N/A
Change in tower stress due to mount modification / replacement	14//

Prepared by:

Reviewed by:

Jaffar Alqazzaz Structural Engineer I (561) 226-9579 JAlqazzaz@sbasite.com Anantha (Shan) Shanubhogue, P.E. Senior Manager, Structural Engineering (561) 981-7390 SShanubhogue@sbasite.com

July 7, 2023



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Introduction

The purpose of this report is to summarize the analysis results on the 158 ft Monopole to support the proposed antennas and transmissions lines in addition to those currently installed.

Table 1 List of Documents Used

Item	Document	
Tower design/drawings	Summit Manufacturing, LLC. Drawing # 9302-01, dated 8/24/2000.	
Foundation drawings	Summit Manufacturing, LLC., Job # 9302-A530, dated 5/10/2000.	
Geotechnical report	Jaworski Geotech, Inc.; Project # 00135G, dated 4/28/2000	
Mount Analysis	Maser Consulting, Project # 21781085A, dated 10/22/2021	
Latest SA	TES, Project # 130247, dated 6/9/2022	
Latest OA	129,179	

Analysis Criteria

Table 2 Code Related Data

Table 2 Code Related Data	
Jurisdiction (State/County/City)	Connecticut/New Haven/Waterbury
Governing Codes	ANSI/TIA/EIA 222-H, 2021 IBC, 2022 CSBC
Ultimate Wind Speed (3-Sec gust)	117.0 mph
Wind Speed with Ice (3-Sec gust)	50 mph
Service Wind Speed (3-Sec gust)	60 mph
Ice Thickness	1.00"
Risk Category	
Exposure Category	C
Topographic Category	1 = 1
Crest Height	0 ft
Ground Elevation	530.86 ft.
Seismic Parameter S _s	0.19
Seismic Parameter S ₁	0.054

This structural analysis is based upon the tower being classified as a risk category 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.



Appurtenance Loading

Existing Loading:

Table 3 Existing Appurtenances

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
1		3	JMA MX08FRO665-21 - Panel			
2	158.0	3	Fujitsu TA08025-B605 RRU	Low Profile Platform w/	(1) 1.75"	Dish
3	136.0	3	Fujitsu TA08025-B604 RRU	Handrails	Hybrid	Wireless
4		1	Raycap RDIDC-9181-PF-48-OVP	[Commscope MC-PK8-DSH]		
a		2	Samsung MT407-77A - Panel			
•		6	Andrew DB844G65ZAXY - Panel	7		
(e)		1	Samsung MT6407-77A - Panel	Low Profile Platform +		
5	148.0	6	JMA MX06FRO660-03 - Panel	Kicker Kit	(11) 1-5/8"	
	148.0	3	Samsung RF4439D-25A	[SitePro PRK-1245L] +	(2) 1-5/8"	Verizon
-		3	Samsung RF4440D-13a	Vertical Brace Kit	Hybrid	
		1	Raycap RCMDC-6627-PF-48-OVP	[SitePro PRK-SFS-L]		
		6	RFS FD9R6004/2C-3L Diplexer			
14	138.75	3	Ericsson AIR 6419 B77G - Panel			
15		3	Quintel QD6616-7 - Panel	1		
16		3	Ericsson RRUS 32 B2	1		
17		3	Ericsson RRUS B14 4478			
18		3	Kathrein 800 10965 - Panel			
19		6	CCI DTMABP7819VG12A	1		
20		3	Ericsson RRUS-12	1		
21		3	Ericsson RRU-A2	Low Profile Platform w/	(3) 0.92" DC	
22	137.0	3	Ericsson RRUS-32	Handrails	(12) 1-5/8"	AT&T
23		3	Ericsson RRUS E2 B29	[Commscope MTC3607 w/	(3) 1/2" Fiber	
24		3	Ericsson RRUS 4449 B5/B12	2 1/2" XS Horizontal Pipes]	(4) 3/4" DC	
25		3	Ericsson RRUS 4426 B66	1		
26		1	Raycap DC9-48-60-24-8C-EV			
27		2	Raycap DC6-48-60-18-8F	1		
28		6	Kaelus DBC0061F1V51-2 - Combiner			
29		6	Kaelus DBC0037F1V2-1 - Diplexer	1		
30	135.75	3	Ericsson AIR 6449 B77D - Panel			
31		2	DragonWave A-ANT-23G-2-C - Dish	Low Profile Platform +		
32		3	ALU 1900MHz	Reinforcement Kit		
33	127.0	6	ALU 800 MHz	[SitePro1 PRK-1245L] +	(4) 1-1/4" Fiber	T-Mobile
34		3	Nokia AAHC - Panel	Vertical Brace Kit	(2) 1/2"	Sprint
35		3	Commscope NNVV-65B-R4 - Panel	[SitePro1 PRK-SFS-L]		
36	112.0	1	Nokia CS72188.01 Omni - Whip	Direct Mount	(1) 1/2"	AT&T

Note: AT&T loading includes FirstNET equipment



Proposed Loading:

Information pertaining to proposed antennas and transmission lines were based upon the Application #: 224534, v2 from Verizon and is listed in Table 4.

Table 4 Proposed Appurtenances

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
5		2	Samsung MT407-77A - Panel			
6		4	Kaelus BSF0020F3V1-1			
7		6	Andrew DB844G65ZAXY - Panel	Low Profile Platform +		
8		1	Samsung MT6407-77A - Panel	Kicker Kit	(11) 1-5/8"	
9	148.0	6	JMA MX06FRO660-03 - Panel	[SitePro PRK-1245L] +	(2) 1-5/8"	Verizon
10		3	Samsung RF4439D-25A	Vertical Brace Kit	Hybrid	
11		3	Samsung RF4440D-13a	[SitePro PRK-SFS-L]		
12		1	Raycap RCMDC-6627-PF-48-OVP			
13		6	RFS FD9R6004/2C-3L Diplexer			



Analysis Results

Tower

The results of the structural analysis are shown below in table 5. Additional information for the tower analysis is provided within the Appendix.

Table 5 Tower Analysis Summary

	Pole shafts	Anchor Bolts	Base Plate
Max. Usage:	71.2%	66.0%	53.0%
Pass/Fail	Pass	Pass	Pass

Foundation

The results of the foundation analysis are shown below in table 6. Additional information for the foundation analysis is provided within the Appendix.

Table 6 Foundation Analysis Summary

Structural Component	Max Usage (%)	Analysis Result	
Foundation	61.0%	Pass	



Conclusions

Based on the analysis results, the existing tower and foundation were found to be <u>sufficient</u> to safely support the equipment listed in this analysis. No modification to the tower and foundation is needed at this time.

Installation Requirements

This analysis was performed under the assumption that the carrier will place the proposed equipment and feed lines at the installation height listed in Table 4 and in accordance with the coax layout shown. TMAs and RRUs are to be installed on existing mounts behind tenant's antennas unless otherwise noted. No equipment is to be installed directly in the climbing path. All equipment is to be installed per mount manufacturer specifications. In case site conditions do not allow for the required installation parameters to be met the carrier must notify SBA Communications Corporation engineers for approval of an alternative placement.



Assumptions and Limitations

Assumptions

This analysis was completed based on the following assumptions:

- Tower and foundation were built in accordance to manufacturer specifications.
- Tower and foundation has been properly maintained in accordance with the manufacturer's specifications
- All existing structural members were assumed to be in good condition with no physical damage or deterioration associated with corrosion
- Welds and bolts are assumed able to carry their intended original design loads.
- The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Table 3 and 4.
- This analysis may be affected if any assumptions are not valid or have been made in error. SBA should be notified to determine the effect on the structural integrity of the tower.

Limitations

The computer generated analysis performed by the tower software is limited to theoretical capacities of the towers structural members and does not account for any missing or damaged members or connections. The tower and foundation are assumed to have been properly designed, fabricated, installed and maintained, barring any conflicting findings from the most recent inspection.

SBA Communications Corporation has used its due diligence to verify the information provided to perform this analysis. It is unreasonable to perform a more detailed inspection of a tower and its components. This report is not a condition assessment of the tower or foundation.



Appendix



Usage Diagram - Max Ratio 71.16% at 83.5ft

Structure: CT02722-S

Base Elev: 0.000 (ft)

Code:

EIA/TIA-222-H

7/7/2023

Page: 1

Height:

Site Name: Waterbury 158.00 (ft)

Exposure: C Gh:

1.1



Dead Load Factor:

1.20

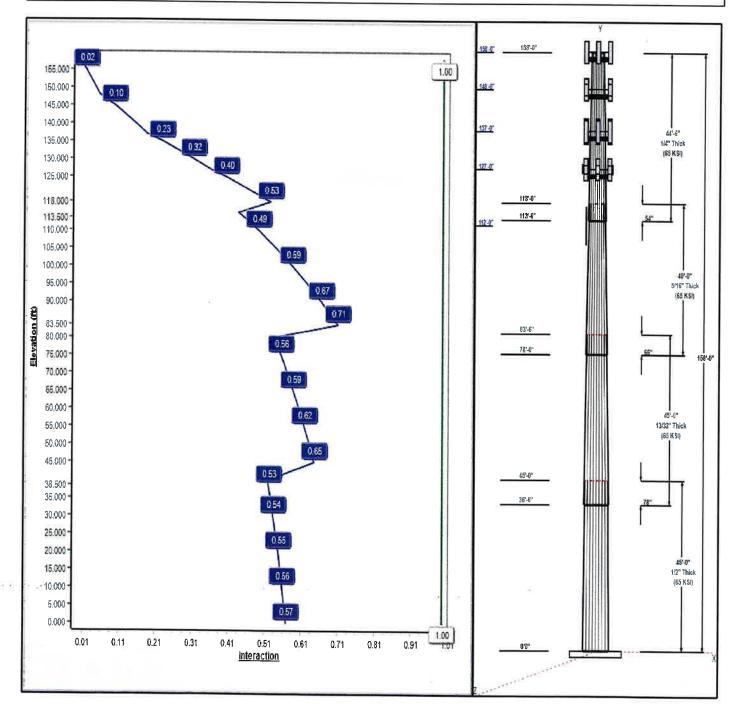
Wind Load Factor:

1.00

Load Case: 1.2D + 1.0W 117 mph Wind

Iterations: 23

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Structure: CT02722-S

Type: Tapered

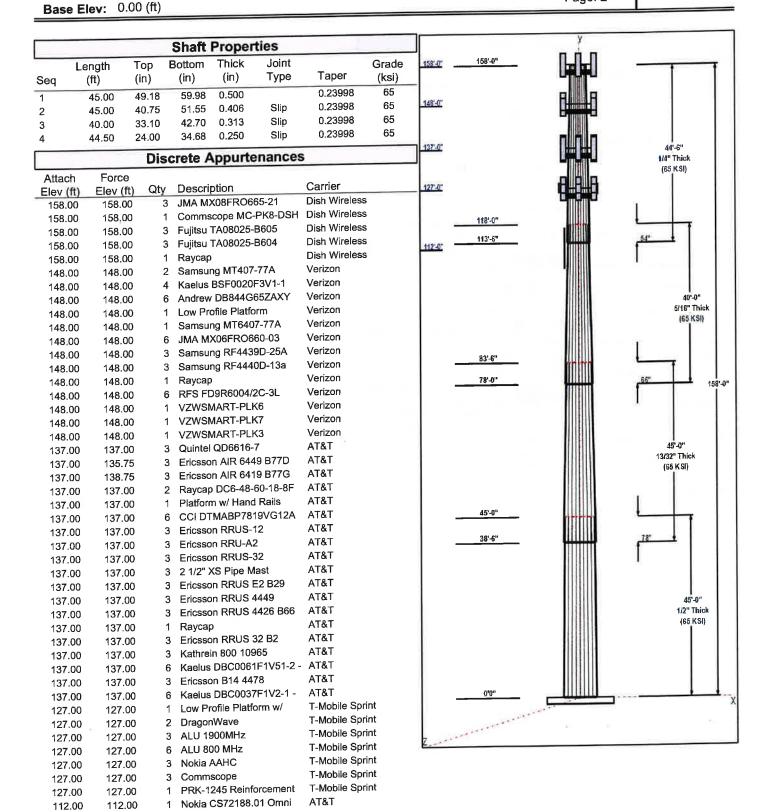
Site Name: Waterbury Height: 158.00 (ft) Base Shape: 18 Sided

Taper: 0.23998

7/7/2023



Page: 2



Structure: CT02722-S

Type: Tapered Base Shape: 18 Sided 7/7/2023

Site Name: Waterbury Height: 158.00 (ft)

Taper: 0.23998

Page: 3



Base Elev: 0.00 (ft)

Linear Appurtenances				
Elev	Elev			
From (ft)	To (ft)	Placemen	t Description	Carrier
0.00	158.00	Inside	1.75" Hybrid	Dish Wireless
0.00	158.00	Outside	Safety Cable	
0.00	158.00	Outside	Step bolts (ladder)	
0.00	148.00	Inside	1-5/8"	Verizon
0.00	148.00	Inside	1-5/8" Hybrid	Verizon
0.00	137.00	Inside	0.92" DC	AT&T
0.00	137.00	Inside	1-5/8" Coax	AT&T
0.00	137.00	Inside	1/2" Fiber	AT&T
0.00	137.00	Inside	3/4" DC	AT&T
0.00	127.00	Inside	1-1/4" Fiber	T-Mobile Sprint
0.00	127.00	Inside	1/2" Coax	T-Mobile Sprint
0.00	112.00	Inside	1/2" Coax	AT&T

Anchor Bolts

		Grade		
Qty	Specifications	(ksi)	Arrangement	
20	2.25" 18J	75.0	Cluster	

Base Plate

Thickness	Specifications	Grade		
(in)	(in)	(ksi)	Geometry	
3.2500	66.0	50.0	Clipped	

Reactions									
Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)						
1.2D + 1.0W 117 mph Wind	4587.1	38.9	60.6						
0.9D + 1.0W 117 mph Wind	4539.0	38.9	45.5						
1.2D + 1.0Di + 1.0Wi 50 mph Wind	1247.2	10.7	81.2						
1.2D + 1.0Ev + 1.0Eh	130.9	0.9	62.8						
0.9D + 1.0Ev + 1.0Eh	129.8	0.9	47.5						
1.0D + 1.0W 60 mph Wind	1073.0	9.2	50.6						

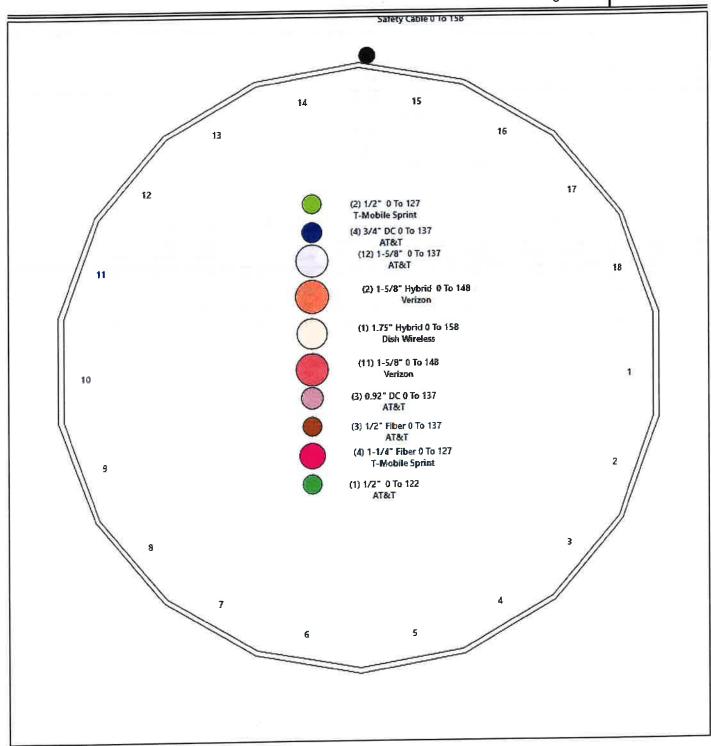
Structure: CT02722-S - Coax Line Placement

Type: Monopole 7/7/2023

Site Name: Waterbury Height: 158.00 (ft) /2023

Page: 4





Shaft Properties

Structure: CT02722-S Code: TIA-222-H 7/7/2023

Site Name: Waterbury Exposure: С Height: 158.00 (ft) Crest Height: 0.00

> Site Class: D - Stiff Soil

Base Elev: 0.000 (ft)

Gh: 1.1 Topography: 1 Struct Class: II Page: 5



Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	18	45.000	0.5000	65		0.00	13,142
2	18	45.000	0.4063	65	Slip	78.00	9,033
3	18	40.000	0.3125	65	Slip	66.00	5,074
4	18	44.500	0.2500	65	Slip	54.00	3,495
					Total Sha	aft Weight:	30,744

	Bottom							Тор						
Sec. No.	Dia (in)	Elev (ft)	Area (sqin)	íx (in^4)	W/t Ratio	D/t Ratio	Dia (in)	Elev (ft)	Area (sqin)	lx (in^4)	W/t Ratio	D/t Ratio	Тарег	
1	59.98	0.00	94.39	42191.72	19.74	119.96	49.18	45.00	77.25	23130.4	15.93	98.36	0.239985	
2	51.55	38.50	65.96	21799.61	20.96	126.88	40.75	83.50	52.03	10701.4	16.28	100.3	0.239985	
3	42.70	78.00	42.04	9542.68	22.68	136.64	33.10	118.00	32.52	4416.67	17.27	105.9	0.239985	
4	34.68	113.5	27.32	4091.38	23.05	138.72	24.00	158.00	18.84	1343.00	15.52	96.00	0.239985	

Load Summary

Structure: CT02722-S Code: TIA-222-H

Site Name: Waterbury Exposure: C
Height: 158.00 (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



7/7/2023

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)
_		JMA MX08FRO665-21	3	64.50	12.49	0.73	257.73	13.466	0.75	0.00	0.00
1		Commscope MC-PK8-DSH w/ Mount	1	1727.00	34.24	1.00	3181.25	54.263	1.00	0.00	0.00
2		Fujitsu TA08025-B605 RRU	3	74.96	1.96	0.80	109.64	2.331	0.82	0.00	0.00
3		Fujitsu TA08025-B604 RRU	3	63.93	1.96	0.76	97.52	2.331	0.78	0.00	0.00
4 5	150.00	Raycap RDIDC-9181-PF-48-OVP	1	21.90	2.01	1.00	57.58	2.391	1.00	0.00	0.00
_			2	87.10	4.70	0.70	161.79	5.301	0.71	0.00	0.00
6		Samsung MT407-77A	4	17.60	0.96	0.65	33.08	1.225	0.68	0.00	0.00
7		Kaelus BSF0020F3V1-1 Andrew DB844G65ZAXY	6	12.00	4.34	0.92	90.39	4.945	0.92	0.00	0.00
8			1	1645.00	24.04	1.00	3059.40	37.448	1.00	0.00	0.00
9		Low Profile Platform	1	87.10	4.70	0.70	161.79	5.301	0.71	0.00	0.00
10		Samsung MT6407-77A	6	60.00	9.87	0.87	226.59	10.760	0.87	0.00	0.00
11		JMA MX06FRO660-03	3	74.70	1.88	0.83	108.52	2.243	0.85	0.00	0.00
12		Samsung RF4439D-25A	3	70.33	1.88	0.80	103.18	2.243	0.82	0.00	0.00
13	148.00	Samsung RF4440D-13a	1	32.00	4.06	1.00	107.85	4.607	1.00	0.00	0.00
14	148.00	Raycap RCMDC-6627-PF-48-OVP	6	3.10	0.31	0.64	8.44	0.564	0.70	0.00	0.00
15		RFS FD9R6004/2C-3L Diplexer	1	329.00	10.00	1.00	634.82	16.971	1.00	0.00	0.00
16		VZWSMART-PLK6		136.70	2.25	1.00	263.77	3.819	1.00	0.00	0.00
17		VZWSMART-PLK7	1	514.00	12.25	1.00	920.11	20.221	1.00	0.00	0.00
18		VZWSMART-PLK3	1	59.10	13.58	0.75	270.42	14.569	0.76	0.00	0.00
19		Quintel QD6616-7	3	88.00	4.03	0.77	160.53	4.571	0.78	0.00	-1.25
20		Ericsson AIR 6449 B77D	3		1.03	0.77	160.07	1.173	0.78	0.00	1.75
21		Ericsson AIR 6419 B77G	3	81.60	3.70	0.80	74.93	4.864	0.81	0.00	0.00
22	137.00	Raycap DC6-48-60-18-8F	2	32.80		1.00	4191.95	80.312	1.00	0.00	0.00
23		Platform w/ Hand Rails [MTC3607]	1	2262.00	51.70		34.78	1.246	0.70	0.00	0.00
24		CCI DTMABP7819VG12A	6	19.00	0.98	0.67	108.21	3,609	0.72	0.00	0.00
25	137.00	Ericsson RRUS-12	3	58.00	3.15	0.70	53.91	2.457	0.72	0.00	0.00
26	137.00	Ericsson RRU-A2	3	22.00	2.08	0.62		3.203	0.82	0.00	0.00
27	137.00	Ericsson RRUS-32	3	53.00	2.74	0.80	100.84			0.00	0.00
28	137.00	2 1/2" XS Pipe Mast	3	87.00	4.31	1.00	175.27	7.868	1.00	0.00	0.00
29	137.00	Ericsson RRUS E2 B29	3	60.00	3.15	0.70	110.20	3.609	0.72	0.00	0.00
30		Ericsson RRUS 4449 B5/B12	3	73.00	1.64	0.90	104.28	1.977	0.90	0.00	0.00
31		Ericsson RRUS 4426 B66	3	48.40	1.65	0.72	75.54	1.989	0.74	0.00	0.00
32		Raycap DC9-48-60-24-8C-EV	1	26.20	4.79	1.00	107.11	5.369	1.00		0.00
33		Ericsson RRUS 32 B2	3	53.00	2.74	0.67	106.53	3.209	0.67	0.00	
34		Kathrein 800 10965	3	59.10	13.81	0.71	263.80	14.829	0.72	0.00	0.00
35		Kaelus DBC0061F1V51-2 - Diplexer	6	18.30	0.43	0.98	36.74	0.771	0.98	0.00	0.00
36		Ericsson B14 4478	3	60.00	1.65	0.78	88.42	1.989	0.80	0.00	0.00
37		Kaelus DBC0037F1V2-1 - Diplexer	6	6.60	0.33	0.71	10.65	0.525	0.76	0.00	0.00
38		Low Profile Platform w/ Handrails	1	1588.50	23.81	1.00	2897.23	37.432	1.00	0.00	0.00
39		DragonWave A-ANT-23G-2-C	2	12.30	8.43	1.00	41.55	9.549	1.00	0.00	0.00
40		ALU 1900MHz	OHVAVC ATATT ESC = 0		2.38	0.99	114.71	3.095	0.99	0.00	0.00
		ALU 800 MHz 6		53.00	2.13	0.92	101.49	2.772	0.92	0.00	0.00
41 42			3	103.70	4.20	0.75	172.10	4.727	0.75	0.00	0.00
-		JU NUNIA AATTO		84.70	12.27	0.74	289.59	13.225	0.75	0.00	0.00
43		7.00 Commscope NNVV-65B-R4 3 7.00 PRK-1245 Reinforcement Kit 1		464.91	9.50	1.00	677.70	16.022	1.00	0.00	0.00
44 45		Nokia CS72188.01 Omni	1	25.00	3.00	1.00	74.24	5.335	1.00	0.00	0.00

Totals:

128 14,423.17

29,171.12

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)

Linear Appurtenances

Bottom Elev. (ft)	Top Elev. (ft)	Description	Exposed Width	Exposed	
0.00	158.00	(1) 1.75" Hybrid	0.00	Inside	
0.00	158.00	(1) Safety Cable	0.38	Outside	
0.00	158.00	(2) Step bolts (ladder)	0.63	Outside	
0.00	148.00	(11) 1-5/8"	0.00	Inside	
0.00	148.00	(2) 1-5/8" Hybrid	0.00	Inside	
0.00	137.00	(3) 0.92" DC	0.00	Inside	
0.00	137.00	(12) 1-5/8" Coax	0.00	Inside	
0.00	137.00	(3) 1/2" Fiber	0.00	Inside	
0.00	137.00	(4) 3/4" DC	0.00	Inside	
0.00	127.00	(4) 1-1/4" Fiber	0.00	Inside	
0.00	127,00	(2) 1/2" Coax	0.00	Inside	
0.00	112.00	(1) 1/2" Coax	0.00	Inside	

Shaft Section Properties

Structure: CT02722-S

Code:

TIA-222-H

D - Stiff Soil

7/7/2023

Site Name: Waterbury

Exposure:

С

Height:

Gh:

158.00 (ft)

Crest Height: 0.00 Site Class:

Base Elev: 0.000 (ft)

1.1

Topography: 1

Struct Class: II

Page: 8

Increment Length:

5 (ft)

Elev	Desaulation	Thick (in)	Dia (in)	Area (in^2)	lx (in^4)	W/t Ratio	D/t Ratio	Fpy (ksi)	S (in^3)	Weight (lb)	
(ft)	Description	0.5000	59,980	94.391	42191.7	19.74	119.96	78.2	1385.	0.0	
0.00		0.5000	58.780	92.487	39689.4	19.32	117.56	78.7	1329.	1589.8	
5.00		0.5000	57.580	90.583	37288.1	18.90	115.16	79.2	1275.	1557.4	
10.00		0.5000	56.380	88.679	34985.6	18.47	112.76		1222.	1525.0	
15.00		0.5000	55,180	86.775	32779.9	18.05	110.36	80.2	1170.	1492.6	
20.00		0.5000	53.980	84.870	30668.9	17.63	107.96	80.7	1119.	1460.2	
25.00		0.5000	52.780	82.966	28650.5	17.20	105.56	81.2	1069.	1427.8	
30.00		0.5000	51.581	81.062	26722.7	16.78	103.16		1020.	1395.4	
35.00		0.5000	50.741	79.729	25426.0	16.48	101.48	82.0	987.0	957.5	
38.50	Bot - Section 2		50.381	79.158	24883.4	16.36	100.76		972.8	741.0	
40.00		0.5000	49.993	63.945	19865.3	20.29	123.05	0.0	0.0	2431.7	
45.00	Top - Section 1	0.4063	48.793	62.398	18457.8	19.76	120.09		745.1	1074.8	
50.00		0.4063	47.593	60.850	17118.4	19.24	117.14		708.4	1048.5	
55.00		0.4063	46.394	59.303	15845.4	18.72	114.19		672.7	1022.1	
60.00		0.4063		57.755	14637.1	18.20	111.23		637.9	995.8	
65.00		0.4063	45.194	56.208	13491.9	17.68	108.28		604.0	969.5	
70.00		0.4063	43.994	54.661	12408.0	17.16	105.33		571.1	943.2	
75.00		0.4063	42.794	53.732	11786.5	16.85	103.55		551.8	553.3	
78.00	Bot - Section 3	0.4063	42.074		11383.8	16.64	102.37		539.1	648.1	
80.00		0.4063	41.594	53.113	8678.7	21.94	132.41	0.0		1116.2	
83.50	Top - Section 2	0.3125	41.379	40.731	8452.4	21.73	131.26		405.9	207.0	
85.00		0.3125	41.019	40.374	7726.8	21.73	127.42		382.2	676.8	
90.00		0.3125	39.819	39.184		20.38	123.58		359.2	656.5	
95.00		0.3125	38.619	37.994	7043.9	19.70	119.74		337.0	636.3	
100.00		0.3125	37.419	36.804	6402.5	19.70	115.90		315.5	616.1	
105.00		0.3125	36.219	35.614	5801.2	18.35	112.06		294.7	595.8	
110.00		0.3125	35.019	34.424	5238.9	18.08	110.53		286.5	232.7	
112.00		0.3125	34.539	33.947	5024.5	17.87	109.37		280.5	172.4	
113.50	Bot - Section 4	0.3125	34.179	33.590	4867.6	17.67	108.22		274.5	309.3	
115.00		0.3125	33.819	33.233	4714.1	22.29	134.40	0.0		608.7	
118.00	Top - Section 3	0.2500	33.599	26.462	3718.3	21.95	132.48		211.7	178.8	
120.00		0.2500	33.119	26.081	3560.1	21.95	127.68		196.5	435.6	
125.00		0.2500	31.919	25.129	3184.3	20.76	125.76		190.6	169.7	
127.00		0.2500	31.440	24.748	3041.7		123.76		181.8	249.7	
130.00		0.2500	30.720	24.177	2835.9	20.26			167.7	403.2	
135.00		0.2500	29.520	23.225		19.41	118.08		162.2	156.8	
137.00		0.2500	29.040	22.844		19.07	116.16		154.2	230.3	
140.00		0.2500	28.320	22.273	2217.2	18.56	113.28		154.2	370.8	
145.00		0.2500	27.120	21.320		17.72	108.48			214.7	
148.00		0.2500	26.400	20.749	1792.6	17.21	105.60		133.7	139.9	
150.00		0.2500	25.920	20.368		16.87	103.68		128.9	338.4	
155.00		0.2500	24.720	19.416		16.02	98.88		117.0	336.4 195.3	
158.00		0.2500	24.000	18.845	1343.0	15.52	96.00	82.5	110.2	30744.2	

Wind Loading - Shaft

Structure: CT02722-S

Code:

TIA-222-H

D - Stiff Soil

Height:

Gh:

Site Name: Waterbury

Exposure: С 7/7/2023

158.00 (ft)

Crest Height: 0.00 Site Class:

SBA

Base Elev: 0.000 (ft)

1.1

Topography: 1

Struct Class: ||

Page: 9

Load Case: 1.2D + 1.0W 117 mph Wind

Dead Load Factor 1.20 **Wind Load Factor** 1.00

Iterations

23

Elev			qz	qzGh	С		lce Thick	Tallaceter		054	Wind	Dead	Tot Dead
(ft) Description	n Kzt	Kz	(psf)	(psf)	(mph-ft)	Cf	Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Force X (lb)	Load Ice (lb)	Load (lb)
0.00	1.00	0.85	27.759	30.54	542.25	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00	1.00	0.85	27.759	30.54	531.40	0.730	0.000	5.00	25.123	18.34	560.0	0.0	1907.7
10.00	1.00	0.85	27.759	30.54	520.55	0.730	0.000	5.00	24.616	17.97	548.7	0.0	1868.8
15.00	1.00	0.85	27.759	30.54	509.70	0.730	0.000	5.00	24.108	17.60	537.4	0.0	1830.0
20.00	1.00	0.90	29.454	32.40	513.85	0.730	0.000	5.00	23.600	17.23	558.2	0.0	1791.1
25.00	1.00	0.95	30.871	33.96	514.63	0.730	0.000	5.00	23.093	16.86	572.4	0.0	1752.2
30.00	1.00	0.98	32.078	35.29	512.94	0.730	0.000	5.00	22.585	16.49	581.8	0.0	1713.3
35.00	1.00	1.01	33.137	36.45	509.48	0.730	0.000	5.00	22.077	16.12	587.4	0.0	1674.5
38.50 Bot - Section 2	1.00	1.04	33.808	37.19	506.23	0.730	0.000	3.50	15.152	11.06	411.3	0.0	1149.0
40.00	1.00	1.04	34.081	37.49	504.67	0.730	0.000	1.50	6.521	4.76	178.5	0.0	889.2
45.00 Top - Section 1	1.00	1.07	34.937	38.43	498.80	0.730	0.000	5.00	21.406	15.63	600.5	0.0	2918.0
50.00	1.00	1.09	35.721	39.29	500.39	0.730	0.000	5.00	20.898	15.26	599.4	0.0	1289.7
55.00	1.00	1.12	36.445	40.09	493.00	0.730	0.000	5.00	20.390	14.88	596.7	0.0	1258.2
60.00	1.00	1.14	37.118	40.83	484.99	0.730	0.000	5.00	19.883	14.51	592.6	0.0	1226.6
65.00	1.00	1.16	37.749	41.52	476.45	0.730	0.000	5.00	19.375	14.14	587.3	0.0	1195.0
70.00	1.00	1.17	38.343	42.18	467.43	0.730	0.000	5.00	18.867	13.77	580.9	0.0	1163.4
75.00	1.00	1.19	38.904	42.79	458.00	0.730	0.000		18.360	13.40	573.5	0.0	1131.8
78.00 Bot - Section 3	1.00	1.20	39.226	43.15	452.15	0.730	0.000	3.00	10.772	7.86	339.3	0.0	663.9
80.00	1.00	1.21	39.436	43.38	448.19	0.730	0.000	2.00	7.186	5.25	227.5	0.0	777.7
83.50 Top - Section 2	1.00	1.22	39.793	43.77	441.12	0.730	0.000	3.50	12.379	9.04	395.6	0.0	1339.4
85.00	1.00	1.22	39.942	43.94	444.82	0.730	0.000	1.50	5.229	3.82	167.7	0.0	248.4
90.00	1.00	1.24	40.426	44.47	434.42	0.730	0.000	5.00	17.101	12.48	555.1	0.0	812.2
95.00	1.00	1.25	40.889	44.98	423.73	0.730	0.000		16.593	12.11	544.8	0.0	787.9
100.00	1.00	1.27	41.333	45.47	412.79	0.730	0.000		16.086	11.74	533.9	0.0	763.6
105.00	1.00	1.28	41.759	45.94	401.61	0.730	0.000		15.578	11.37	522.4	0.0	739.3
110.00	1.00	1.29	42.170	46.39	390.21	0.730	0.000		15.070	11.00	510.3	0.0	715.0
112.00 Appurtenance(s)	1.00	1.30	42.331	46.56	385.59	0.730	0.000	2.00	5.886	4.30	200.1	0.0	279.2
113.50 Bot - Section 4	1.00	1.30	42.449	46.69	382.11	0.730	0.000	1.50	4.361	3.18	148.7	0.0	206.8
115.00	1.00	1.30	42.567	46.82	378.61	0.730	0.000	1.50	4.379	3.20	149.7	0.0	371.1
118.00 Top - Section 3	1.00	1.31	42.798	47.08	371.55	0.730	0.000	3.00	8.621	6.29	296.3	0.0	730.4
120.00	1.00	1.32	42.950	47.24	372.43	0.730	0.000	2.00	5.646	4.12	194.7	0.0	214.5
125.00	1.00	1.33	43.321	47.65	360.49	0.730	0.000		13.759	10.04	478.6	0.0	522.8
127.00 Appurtenance(s)	1.00	1.33	43.466	47.81	355.66	0.730	0.000	2.00	5.361	3.91	187.1	0.0	203.7
130.00	1.00	1.34	43.680	48.05	348.37	0.730	0.000	3.00	7.890	5.76	276.7	0.0	299.7
135.00	1.00	1.35	44.028	48.43		0.730	0.000		12.743	9.30	450.5	0.0	483.9
137.00 Appurtenance(s)	1.00	1.35	44.165	48.58	331.14	0.730	0.000	2.00	4.955	3.62	175.7	0.0	188.1
140.00	1.00	1.36	44.367	48.80			0.000	3.00	7.281	5.31	259.4	0.0	276.3
145.00	1.00	1.37	44.696	49.17	311.10		0.000		11.728	8.56	420.9	0.0	445.0
148.00 Appurtenance(s)	1.00	1.37	44.889	49.38	303.50	0.730	0.000	3.00	6.793	4.96	244.9	0.0	257.7
150.00	1.00		45.016	49.52	298.40	0.730	0.000	2.00	4.427	3.23	160.0	0.0	257.7 167.9
155.00	1.00		45.328	49.86	285.57	0.730	0.000		10.713	7.82	389.9	0.0	
158.00 Appurtenance(s)	1.00		45.511	50.06	277.81	0.730	0.000	3.00	6.184	4.51	226.0	0.0	406.1
` '									0.104	4.51		0 (-	234.3
							Totals:	158.00			16,722.8		36,893.1

Discrete Appurtenance Forces

Structure: CT02722-S

Code:

TIA-222-H

7/7/2023

Site Name: Waterbury

Exposure:

С

Height: Base Elev: 0.000 (ft)

158.00 (ft)

Crest Height: 0.00 D - Stiff Soil Site Class:

SBA

Gh:

1.1

Topography: 1

Struct Class: ||

Page: 10

Load Case: 1.2D + 1.0W 117 mph Wind

Dead Load Factor 1.20 1.00 Wind Load Factor



Iterations

23

						Orient		Total	Dead	Horiz	Vert	Wind FX	Mom Y	Mom Z
	Elev			qz	qzGh	Factor x Ka	Ka	CaAa (sf)	Load (lb)	Ecc (ft)	Ecc (ft)	(lb)	(lb-ft)	(lb-ft)
No.	(ft)	Description	Qty	(psf)	(psf)		0.90	4.02	230.15	0.000	0.000	201.35	0.00	0.00
1		Fujitsu TA08025-B604	3	45.511	50.062	0.68	0.90	4.02	269.86	0.000	0.000	211.94	0.00	0.00
2	158.00	Fujitsu TA08025-B605	3	45.511	50.062	0.72 1.00	1.00	34.24	2072.40	0.000	0.000	1714.12	0.00	0.00
3		Commscope	1	45.511	50.062	0.66	0.90	24.62	232.20	0.000	0.000	1232.42	0.00	0.00
4		JMA MX08FRO665-21	3	45.511	50.062	0.90	0.90	1.81	26.28	0.000	0.000	90.56	0.00	0.00
5		Raycap	1	45.511	50.062 49.378	1.00	1.00	24.04	1974.00	0.000	0.000	1187.04	0.00	0.00
6		Low Profile Platform	1	44.889		0.65	0.75	38.64	432.00	0.000	0.000	1908.00	0.00	0.00
7		JMA MX06FRO660-03	6	44.889	49.378	0.52	0.75	2.47	104.52	0.000	0.000	121.84	0.00	0.00
8		Samsung MT6407-77A	1	44.889	49.378 49.378	0.52	0.75	4.93	209.04	0.000	0.000	243.68	0.00	0.00
9		Samsung MT407-77A	2	44.889	49.378	0.52	0.75	17.97	86.40	0.000	0.000	887.20	0.00	0.00
10		Andrew DB844G65ZAXY	6	44.889		0.69	0.75	1.87	84.48	0.000	0.000	92.43	0.00	0.00
11		Kaelus BSF0020F3V1-1	4	44.889	49.378 49.378	0.60	0.75	3.38	253.19	0.000	0.000	167.09	0.00	0.00
12		Samsung RF4440D-13a	3	44.889	49.378	0.62	0.75	3.51	268.92	0.000	0.000	173.36	0.00	0.00
13	148.00	Samsung RF4439D-25A	3	44.889	49.378	1.00	1.00	4.06	38.40	0.000	0.000	200.47	0.00	0.00
14		Raycap	1	44.889		0.48	0.75	0.89	22.32	0.000	0.000	44.08	0.00	0.00
15		RFS FD9R6004/2C-3L	6		49.378	1.00	1.00	10.00	394.80	0.000	0.000	493.78	0.00	0.00
16		VZWSMART-PLK6	1	44.889	49.378	1.00	1.00	2.25	164.04	0.000	0.000	111.10	0.00	0.00
17		VZWSMART-PLK7	1	44.889	49.378	1.00	1.00	12.25	616.80	0.000	0.000	604.88	0.00	0.00
18		VZWSMART-PLK3	1	44.889	49.378		0.75	1.05	47.52	0.000	0.000	51.22	0.00	0.00
19		Kaelus DBC0037F1V2-1 -	6		48.581	0.53	0.75	2.90	216.00	0.000	0.000	140.68	0.00	0.00
20		Ericsson B14 4478	3		48.581	0.58	0.75	1.90	131.76	0.000	0.000	92.12	0.00	0.00
21		Kaelus DBC0061F1V51-2	6		48.581	0.73	0.75	22.06	212.76	0.000	0.000	1071.78	0.00	0.00
22		Kathrein 800 10965	3		48.581	0.53	0.75	4.13	190.80	0.000	0.000	200.67	0.00	0.00
23	137.00	Ericsson RRUS 32 B2	3		48.581	0.50	0.75	4.13	208.80	0.000	0.000	241.02	0.00	0.00
24		Ericsson RRUS-12	3		48.581	0.52		22.92	212.76	0.000	0.000	1113.30	0.00	0.00
25		Quintel QD6616-7	3		48.581	0.56	0.75	6.98	316.80	0.000	-1.250	338.54	0.00	-423.17
26		Ericsson AIR 6449 B77D	3		48.488	0.58	0.75	1.78	293.76	0.000	1.750	86.92	0.00	152.12
27		Ericsson AIR 6419 B77G	3	44.283	48.711	0.58	0.75	4.44	78.72	0.000	0.000	215.70	0.00	0.00
28	137.00	Raycap DC6-48-60-18-8F	2		48.581	0.60	0.75		2714.40	0.000	0.000	2511.65	0.00	0.00
29		Platform w/ Hand Rails	1		48.581	1.00	1.00	51.70	136.80	0.000	0.000	143.54	0.00	0.00
30	137.00	CCI DTMABP7819VG12A	6		48.581	0.50	0.75	2.95	31.44	0.000	0.000	174.53	0.00	0.00
31	137.00	Raycap	1		48.581	0.75	0.75	3.59 4.93	190.80	0.000	0.000	239.60	0.00	0.00
32	137.00	Ericsson RRUS-32	3		48.581	0.60	0.75		313.20	0.000	0.000	628.16	0.00	0.00
33	137.00	2 1/2" XS Pipe Mast	3		48.581	1.00	1.00	12.93 4.96	216.00	0.000	0.000	241.02	0.00	0.00
34	137.00	Ericsson RRUS E2 B29	3		48.581	0.52	0.75	3.32	262.80	0.000	0.000	161.34	0.00	0.00
35		Ericsson RRUS 4449	3		48.581	0.68	0.75		174.24	0.000	0.000	129.86	0.00	0.00
36	137.00	Ericsson RRUS 4426 B66	3	44.165		0.54	0.75	2.67		0.000	0.000	140.96	0.00	0.00
37		Ericsson RRU-A2	3		48.581		0.75	2.90	79.20 216.00	0.000	0.000	253.47	0.00	0.00
38	127.00	ALU 1900MHz	3		47.812		0.75	5.30		0.000	0.000	1138.41	0.00	0.00
39	127.00	Low Profile Platform w/	1		47.812		1.00	23.81	1906.20	0.000	0.000	806.11	0.00	0.00
40	127.00	DragonWave	2		47.812		1.00	16.86	29.52		0.000	454.22	0.00	0.00
41	127.00	PRK-1245 Reinforcement	1		47.812		1.00	9.50	557.89	0.000	0.000	421.62	0.00	0.00
42		ALU 800 MHz	6		47.812		0.75	8.82	381.60	0.000	0.000	338.87	0.00	0.00
43	127.00	Nokia AAHC	3		47.812		0.75	7.09	373.32	0.000	0.000	976.78	0.00	0.00
44		Commscope	3	43.466			0.75	20.43	304.92	0.000	0.000	139.69	0.00	0.00
45	112.00	Nokia CS72188.01 Omni	1_	42.331	46.564	1.00	1.00	3.00	30.00	0.000		22 137 15	3.00	

Totals:

17,307.80

22,137.15

Total Applied Force Summary

Structure: CT02722-S

Code:

TIA-222-H

7/7/2023

Site Name: Waterbury

Exposure:

Height:

158.00 (ft)

Crest Height: 0.00

SBA

23

Base Elev: 0.000 (ft) Gh:

1.1

Site Class:

D - Stiff Soil

С

Page: 11

Topography: 1

Struct Class: ||

Load Case: 1.2D + 1.0W 117 mph Wind

Dead Load Factor 1.20 **Wind Load Factor** 1.00



Elev		Lateral FX (-)	Axial FY (-)	Torsion MY	Moment MZ	
(ft)	Description	(lb)	(lb)	(lb-ft)	(lb-ft)	
0.00		0.00	0.00	0.00	0.00	
5.00		560.02	2135.96	0.00	0.00	
10.00		548.70	2097.08	0.00	0.00	
15.00		537.39	2058.20	0.00	0.00	
20.00		558.18	2019.33	0.00	0.00	
25.00		572.44	1980.45	0.00	0.00	
30.00		581.77	1941.57	0.00	0.00	
35.00		587.45	1902.69	0.00	0.00	
38.50		411.35	1308.75	0.00	0.00	
40.00		178.45	957.62	0.00	0.00	
45.00		600.52	3146.27	0.00	0.00	
50.00		599.43	1517.99	0.00	0.00	
55.00		596.72	1486.39	0.00	0.00	
60.00		592.62	1454.80	0.00	0.00	
65.00		587.30	1423.21	0.00	0.00	
70.00		580.91	1391.62	0.00	0.00	
75.00		573.55	1360.03	0.00	0.00	
78.00		339.31	800.85	0.00	0.00	
80.00		227.55	868.97	0.00	0.00	
83.50		395.57	1499.18	0.00	0.00	
85.00		167.72	316.86	0.00	0.00	
90.00		555.13	1040.40	0.00	0.00	Mr
95.00		544.82	1016.10	0.00	0.00	
100.00		533.88	991.80	0.00	0.00	
105.00		522.37	967.50	0.00	0.00	
110.00		510.32	943.20	0.00	0.00	
112.00	(1) attachments	339.76	400.48	0.00	0.00	
113.50		148.66	275.02	0.00	0.00	
115.00		149.68	439.28	0.00	0.00	
118.00		296.27	866.76	0.00	0.00	
120.00		194.71	305.46	0.00	0.00	
125.00		478.62	750.05	0.00	0.00	
127.00	(19) attachments	4576.61	4064.03	0.00	0.00	
130.00		276.73	421.14	0.00	0.00	
135.00		450.54	686.35	0.00	0.00	
137.00	(61) attachments	8098.36	6297.66	0.00	-271.06	
140.00		259.38	341.08	0.00	0.00	
145.00		420.93	552.92	0.00	0.00	
148.00	(36) attachments	6479.82	4971.33	0.00	0.00	
150.00		160.03	178.32	0.00	0.00	
155.00		389.92	432.20	0.00	0.00	
158.00	(11) attachments	3676.38	3080.87	0.00	0.00	
	Totals:	38,859.91	60,689.76	0.00	-271.06	

Linear Appurtenance Segment Forces (Factored)

Structure: CT02722-S Site Name: Waterbury

Code:

TIA-222-H

С

7/7/2023

Exposure: Crest Height: 0.00

Height:

Gh:

158.00 (ft)

D - Stiff Soil Site Class:

SBA

Base Elev: 0.000 (ft)

Topography: 1 1.1

Struct Class: ||

Page: 12

Load Case: 1.2D + 1.0W 117 mph Wind

1.20 **Dead Load Factor** 1.00 **Wind Load Factor**



Iterations

23

Тор					Exposed				Cf		FΧ	Dead Load
Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Width (in)	Area (sqft)	CaAa (sqft)	Ra	Adjust Factor	qz (psf)	(lb)	(lb)
5.00		Yes	5.00	0.000	0.38	0.16	0.00	0.017	0.000	27.759	0.00	1.64
	•	Yes	5.00	0.000	0.63	0.26	0.00	0.017	0.000	27.759	0.00	12.48
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.38	0.16	0.00	0.017	0.000	27.759	0.00	1.64
10.00	Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.017	0.000	27.759	0.00	12.48
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.38	0.16	0.00	0.017	0.000	27.759	0.00	1.64
15.00	Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.017	0.000	27.759	0.00	12.48
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	29.454	0.00	1.64
20.00	Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	29.454	0.00	12.48
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	30.871	0.00	1.64
25.00	Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	30.871	0.00	12.48
25.00	Step bolts (ladder)		5.00	0.000	0.38	0.16	0.00	0.019	0.000	32.078	0.00	1.64
30.00	Safety Cable	Yes Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	32.078	0.00	12.48
30.00	Step bolts (ladder)		5.00	0.000	0.38	0.16	0.00	0.019	0.000	33.137	0.00	1.64
35.00	Safety Cable	Yes Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	33.137	0.00	12.48
35.00	Step bolts (ladder)		3.50	0.000	0.38	0.11	0.00	0.019	0.000	33.808	0.00	1.15
38.50	Safety Cable	Yes	3.50	0.000	0.63	0.18	0.00	0.019	0.000	33.808	0.00	8.74
38.50	Step bolts (ladder)	Yes	1.50	0.000	0.38	0.05	0.00	0.020	0.000	34.081	0.00	0.49
40.00	Safety Cable	Yes	1.50	0.000	0.63	0.08	0.00	0.020	0.000	34.081	0.00	3.74
40.00	Step bolts (ladder)	Yes	5.00	0.000	0.38	0.16	0.00	0.020	0.000	34.937	0.00	1.64
45.00	Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.020	0.000	34.937	0.00	12.48
45.00	Step bolts (ladder)	Yes	5.00	0.000	0.38	0.16	0.00	0.020	0.000	35.721	0.00	1.64
50.00	Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.020	0.000	35.721	0.00	12.48
50.00	Step bolts (ladder)	Yes		0.000	0.38	0.16	0.00	0.021	0.000	36.445	0.00	1.64
55.00	Safety Cable	Yes	5.00 5.00	0.000	0.63	0.26	0.00	0.021	0.000	36.445	0.00	12.48
55.00		Yes	5.00	0.000	0.38	0.16	0.00	0.021	0.000	37.118	0.00	1.64
60.00	Safety Cable	Yes		0.000	0.63	0.26	0.00	0.021	0.000	37.118	0.00	12.48
60.00		Yes	5.00 5.00	0.000	0.38	0.16	0.00	0.022	0.000	37.749	0.00	1.64
65.00		Yes		0.000	0.63	0.26	0.00	0.022	0.000	37.749	0.00	12.48
65.00		Yes	5.00	0.000	0.38	0.16	0.00	0.022	0.000	38.343	0.00	1.64
70.00	•	Yes	5.00	0.000	0.63	0.26	0.00	0.022	0.000	38.343	0.00	12.48
70.00	· ·	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	38.904	0.00	1.64
75.00	•	Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	38.904	0.00	12.48
75.00		Yes	5.00	0.000	0.38	0.10	0.00	0.023	0.000	39.226	0.00	0.98
78.00	· ·	Yes	3.00	0.000	0.63	0.16	0.00	0.023	0.000	39.226	0.00	7.49
78.00	•	Yes	3.00	0.000	0.38	0.06	0.00	0.024	0.000	39.436	0.00	0.66
80.00	•	Yes	2.00	0.000	0.63	0.10	0.00	0.024	0.000	39.436	0.00	4.99
80.00		Yes	2.00		0.03	0.11	0.00	0.024	0.000	39.793	0.00	1.15
83.50	Safety Cable	Yes	3.50	0.000	0.63	0.11	0.00	0.024	0.000	39.793	0.00	8.74
83.50	Step bolts (ladder)	Yes	3.50		0.38	0.05	0.00	0.024	0.000	39.942	0.00	0.49
85.00	•	Yes	1.50	0.000	0.63	0.08	0.00	0.024	0.000	39.942	0.00	3.74
85.00		Yes	1.50	0.000	0.38	0.16	0.00	0.025	0.000	40.426	0.00	1.64
90.00	•	Yes	5.00	0.000	0.38	0.10	0.00	0.025	0.000	40.426	0.00	12.48
90.00	Step bolts (ladder)	Yes	5.00	0.000		0.20	0.00	0.025	0.000	40.889	0.00	1.64
95.00	•	Yes	5.00	0.000	0.38 0.63	0.10	0.00	0.025	0.000	40.889	0.00	12.48
95.00	Step bolts (ladder)	Yes	5.00	0.000	0.88	0.26	0.00	0.026	0.000	41.333	0.00	1.64
100.00	•	Yes	5.00	0.000	0.38	0.16	0.00	0.026	0.000	41.333	0.00	12.48
100.00		Yes	5.00	0.000	0.83	0.26	0.00	0.027	0.000	41.759	0.00	1.64
105.00	Safety Cable	Yes	5.00	0.000	0.36	0.10	0.00	V.U21				

Linear Appurtenance Segment Forces (Factored)

CT02722-S Structure:

Code:

TIA-222-H

7/7/2023

Site Name: Waterbury

Exposure: С

Height:

158.00 (ft)

Crest Height: 0.00

D - Stiff Soil

Base Elev: 0.000 (ft) Gh: 1.1

Topography: 1

Struct Class: ||

Site Class:

Page: 13

SBA

23

Iterations

Load Case: 1.2D + 1.0W 117 mph Wind

Dead Load Factor 1.20 **Wind Load Factor** 1.00



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)
105.00	Step bolts (ladder)	Yes	5.00	0.000	0,63	0.26	0.00	0.027	0.000	41.759	0.00	
110.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.027	0.000	42.170	0.00	12.48 1.64
110.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.028	0.000	42.170	0.00	12.48
112.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.028	0.000	42.170	0.00	
112.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.029	0.000	42.331	0.00	0.66
113.50	Safety Cable	Yes	1.50	0.000	0.38	0.05	0.00	0.029	0.000	42.449	0.00	4.99
113.50	Step bolts (ladder)	Yes	1.50	0.000	0.63	0.03	0.00	0.029	0.000	42.449		0.49
115.00	Safety Cable	Yes	1.50	0.000	0.38	0.05	0.00	0.029	0.000	42.449 42.567	0.00	3.74
115.00	Step bolts (ladder)	Yes	1.50	0.000	0.63	0.03	0.00	0.029		42.567 42.567	0.00	0.49
118.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.029	0.000		0.00	3.74
118.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.030	0.000	42.798	0.00	0.98
120.00	Safety Cable	Yes	2.00	0.000	0.03	0.16	0.00	0.030	0.000	42.798	0.00	7.49
120.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.00	0.00	0.030	0.000	42.950	0.00	0.66
125.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00		0.000	42.950	0.00	4.99
125.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.031	0.000	43.321	0.00	1.64
127.00	Safety Cable	Yes	2.00	0.000	0.03	0.26		0.031	0.000	43.321	0.00	12.48
127.00	Step bolts (ladder)	Yes	2.00	0.000	0.63		0.00	0.031	0.000	43.466	0.00	0.66
130.00	Safety Cable	Yes	3.00	0.000	0.83	0.10	0.00	0.031	0.000	43.466	0.00	4.99
130.00	Step bolts (ladder)	Yes	3.00	0.000		0.10	0.00	0.032	0.000	43.680	0.00	0.98
135.00	Safety Cable	Yes	5.00		0.63	0.16	0.00	0.032	0.000	43.680	0.00	7.49
135.00	Step bolts (ladder)	Yes	5.00	0.000	0.38	0.16	0.00	0.033	0.000	44.028	0.00	1.64
137.00	Safety Cable	Yes		0.000	0.63	0.26	0.00	0.033	0.000	44.028	0.00	12.48
137.00	Step bolts (ladder)	Yes	2.00	0.000	0.38	0.06	0.00	0.034	0.000	44.165	0.00	0.66
140.00	Safety Cable		2.00	0.000	0.63	0.10	0.00	0.034	0.000	44.165	0.00	4.99
140.00	•	Yes	3.00	0.000	0.38	0.10	0.00	0.035	0.000	44.367	0.00	0.98
145.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.035	0.000	44.367	0.00	7.49
145.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.036	0.000	44.696	0.00	1.64
	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.036	0.000	44.696	0.00	12.48
148.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.037	0.000	44.889	0.00	0.98
148.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.037	0.000	44.889	0.00	7.49
150.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.038	0.000	45.016	0.00	0.66
150.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.038	0.000	45.016	0.00	4.99
	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.039	0.000	45.328	0.00	1.64
	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.039	0.000	45.328	0.00	12.48
158.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.041	0.000	45.511	0.00	0.98
158.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.041	0.000	45.511	0.00	7.49
									Tot	tals:	0.0	446.1

Calculated Forces

Structure: CT02722-S

Code: TIA-222-H

Site Name: Waterbury

Exposure: C

7/7/2023

Height:

158.00 (ft)

Crest Height: 0.00
Site Class: D - Stiff Soil

SBA 🕖

Base Elev: 0.000 (ft) **Gh:** 1.1

Topography: 1

Struct Class: ||

Page: 14

Load Case: 1.2D + 1.0W 117 mph Wind

Dead Load Factor 1.20 Wind Load Factor 1.00



Iterations	23
	- 1

Seg Elev	Pu FY (-)	Vu FX (-)	Tu MY (-)	Mu MZ	Mu MX	Resultant Moment	phi Pn	phi Vn	phi Tn	phí Mn	Total Deflect	Rotation Sway	Twist	Stress Ratio
(ft)	(kips)	(kips)	(ft-kips)	(ft-kips)	(ft-kips)	(ft-kips)	(kips)	(kips)	(ft-kips)	(ft-kips)	(in)	(deg)	(deg) 0.000	0.574
0.00	-60.64	-38.94	0.00	-4587.0	0.00	4587.06	6641.65	1656.57	8175.13	8123.90	0.00	0.000	0.000	0.569
5.00	-58.40	-38.53	0.00	-4392.3	0.00	4392.35	6549.09	1623.15	7848.62	7847.74	80.0	-0.151	0.000	0.564
10.00	-56.20	-38.13	0.00	-4199.6	0.00	4199.68	6454.83	1589.73	7528.76	7574.18	0.32	-0.305	0.000	0.558
15.00	-54.04	-37.73	0.00	-4009.0	0.00	4009.04	6358.86	1556.31	7215.55	7303.35	0.73	-0.462	0.000	0.552
20.00	-51.92	-37.30	0.00	-3820.4	0.00	3820.41	6261.18	1522.89	6908.99	7035.38	1.30	-0.621	0.000	0.545
25.00	-49.85	-36.84	0.00	-3633.9	0.00	3633.93	6161.80	1489.47	6609.09	6770.39	2.03	-0.783	0.000	0.539
30.00	-47.81	-36.37	0.00	-3449.7	0.00	3449.73	6060.71	1456.05	6315.85	6508.52	2.94	-0.947	0.000	0.539
35.00	-45.83	-35.86	0.00	-3267.8	0.00	3267.89	5957.92	1422.64	6029.26	6249.90	4.02	-1.114	0.000	0.526
38.50	-44.48	-35.49	0.00	-3142.3	0.00	3142.38	5884.95	1399.24	5832.60	6070.85	4.89	-1.233	0.000	0.523
40.00	-43.45	-35.38	0.00	-3089.1	0.00	3089.14	5853.42	1389.22	5749.32	5994.64	5.28	-1.286		0.650
45.00	-40.22	-34.82	0.00	-2912.2	0.00	2912.27	4462.52	1122.23	4617.06	4551.53	6.72	-1.457	0.000	0.637
50.00	-38.60	-34.31	0.00	-2738.1	0.00	2738.17	4388.93	1095.08	4396.31	4367.27	8.34	-1.631	0.000	0.623
55.00	-37.01	-33.80	0.00	-2566.6	0.00	2566.63	4313.64	1067.92	4180.97	4185.02	10.16	-1.835	0.000	0.608
60.00	-35.46	-33.29	0.00	-2397.6	0.00	2397.63	4236.64	1040.76	3971.04	4004.90	12.19	-2.042		0.592
65.00	-33.94	-32.77	0.00	-2231.1	0.00	2231.19	4157.93	1013.61	3766.51	3827.04	14.44	-2.249	0.000	0.592
70.00	-32.46	-32.25	0.00	-2067.3	0.00	2067.34	4077.51	986.45	3567.39	3651.57	16.91	-2.458	0.000	0.557
75.00	-31.03	-31.71	0.00	-1906.0	0.00	1906.09	3995.39	959.30	3373.68	3478.62	19.60	-2.668	0.000	0.545
78.00	-30.19	-31.39	0.00	-1810.9	0.00	1810.96	3945.30	943.00	3260.05	3376.11	21.31	-2.796	0.000	0.545
80.00	-29.27	-31.18	0.00	-1748.1	0.00	1748.19	3911.57	932.14	3185.38	3308.31	22.50	-2.881	0.000	0.537
83.50	-27.73	-30.76	0.00	-1639.0	0.00	1639.07	2771.30	714.83	2435.60	2342.24	24.67	-3.030	0.000	0.712
85.00	-27.34	-30.65	0.00	-1592.9	0.00	1592.93	2755.69	708.57	2393.09	2308.47	25.63	-3.094	0.000	0.702
90.00	-26.20	-30.15	0.00	-1439.6	0.00	1439.69	2702.54	687.68	2254.08	2196.71	29.01	-3.349	0.000	0.629
95.00	-25.09	-29.66	0.00	-1288.9	0.00	1288.93	2647.69	666.79	2119.23	2086.24	32.65	-3.600	0.000	0.588
100.00	-24.01	-29.16	0.00	-1140.6	0.00	1140.65	2591.13	645.91	1988.55	1977.20	36.55	-3.846	0.000	0.543
105.00	-22.97	-28.67	0.00	-994.84	0.00	994.84	2532.86	625.02	1862.02	1869.72	40.71	-4.083	0.000	0.543
110.00	-21,99	-28.15	0.00	-851.52	0.00	851.52	2472.89	604.13	1739.65	1763.92	45.10	-4.309	0.000	0.494
112.00	-21.58	-27.81	0.00	-795.22	0.00	795.22	2448.42	595.78	1691.86	1722.10	46.93	-4.399	0.000	0.473
113.50	-21.28	-27.66	0.00	-753.51	0.00	753.51	2429.89	589.51	1656.46	1690.93	48.32	-4.465	0.000	0.457
115.00	-20.81	-27.51	0.00	-712.02	0.00	712.02	2411.21	583.25	1621.44	1659.93	49.73	-4.529	0.000	0.527
118.00	-19.92	-27.18	0.00	-629.48	0.00	629.48	1790.62	464.40	1284.99	1229.14	52.62	-4.650	0.000	0.527
120.00	-19.57	-27.01	0.00	-575.12	0.00	575.12	1774.20	457.72	1248.27	1200.21	54.58	-4.728	0.000	0.494
125.00	-18.80	-26.52	0.00	-440.05	0.00	440.05	1731.94	441.01	1158.79	1128.53	59.64	-4.931	0.000	0.363
127.00	-15.11	-21.63	0.00	-387.02	0.00	387.02	1714.56	434.33	1123.93	1100.14	61.72	-5.005	0.000	0.303
130.00	-14.67	-21.35	0.00	-322.13	0.00	322.13	1687.98	424.30	1072.64	1057.88	64.89	-5.104	0.000	
135.00	-14.00	-20.86		-215.40	0.00	215.40	1642.31	407.59	989.82	988.40	70.31	-5.239	0.000	0.229
137.00	-8.46	-12.22		-173.69	0.00	173.69	1623.56	400.91	957.63	960.96	72.51	-5.283	0.000	0.187
140.00	-8.13	-11.94		-137.02	0.00	137.02	1594.93	390.88	910.33	920.20	75.85	-5.338	0.000	0.155
145.00	-7.61	-11.48		-77.31	0.00	77.31	1545.85	374.17	834.16	853.42	81.47	-5.407	0.000	0.096
148.00	-3.27	-4.56		-42.88	0.00	42.88	1515.59	364.15	790.06	814.09	84.87	-5.433	0.000	0.055
150.00	-3.11	-4.38		-33.77	0.00	33.77	1495.07	357.46	761.33	788.19	87.15	-5.446	0.000	0.045
155.00	-2.72	-3.95		-11.86		11.86	1442.53	340.75	691.81	724.60	92.86	-5.465	0.000	0.018
158.00	0.00	-3.68		0.00		0.00	1400.09	330.73	651.70	682.38	96.29	-5.468	0.000	0.000
130.00	0.00	0.00	5.50		_									

Wind Loading - Shaft

Structure: CT02722-S

Site Name: Waterbury
Height: 158.00 (ft)

3.00 (ft)

Base Elev: 0.000 (ft) Site Class:

Gh: 1.1

Topography: 1

Code: TIA-222-H

Exposure: C **Crest Height:** 0.00

Site Class: D - Stiff Soil

Struct Class: ||

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7/7/2023

Iterations

SBA

23

Load Case: 0.9D + 1.0W 117 mph Wind

Dead Load Factor 0.90 Wind Load Factor 1.00

Elev (ft) Do	escription	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	lce Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (Ib)	Tot Dead Load (lb)
0.00		1.00	0.85	27.759	30.54	542.25	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	27.759	30.54	531.40	0.730	0.000	5.00	25.123	18.34	560.0	0.0	1430.8
10.00		1.00	0.85	27.759	30.54	520.55	0.730	0.000	5.00	24.616	17.97	548.7	0.0	1401.6
15.00		1.00	0.85	27.759	30.54	509.70	0.730	0.000	5.00	24.108	17.60	537.4	0.0	1372.5
20.00		1.00	0.90	29.454	32.40	513.85	0.730	0.000	5.00	23.600	17.23	558.2	0.0	1343.3
25.00		1.00	0.95	30.871	33.96	514.63	0.730	0.000	5.00	23.093	16.86	572.4	0.0	1314.2
30.00		1.00	0.98	32.078	35.29	512.94	0.730	0.000	5.00	22.585	16.49	581.8	0.0	1285.0
35.00		1.00	1.01	33.137	36.45	509.48	0.730	0.000	5.00	22.077	16.12	587.4	0.0	1255.8
38.50 Bot - Se	ection 2	1.00	1.04	33.808	37.19	506.23	0.730	0.000	3.50	15.152	11.06	411.3	0.0	861.7
40.00		1.00	1.04	34.081	37.49	504.67	0.730	0.000	1.50	6.521	4.76	178.5	0.0	666.9
45.00 Top - Se	ection 1	1.00	1.07	34.937	38.43	498.80	0.730	0.000		21.406	15.63	600.5	0.0	2188.5
50.00		1.00	1.09	35.721	39.29	500.39	0.730	0.000		20.898	15.26	599.4	0.0	967.3
55.00		1.00	1.12	36.445	40.09	493.00	0.730	0.000		20.390	14.88	596.7	0.0	943.6
60.00		1.00	1.14	37.118	40.83	484.99	0.730	0.000		19.883	14.51	592.6	0.0	919.9
65.00		1.00	1.16	37.749	41.52	476.45	0.730	0.000		19.375	14.14	587.3	0.0	896.2
70.00		1.00	1.17	38.343	42.18	467.43	0.730	0.000		18.867	13.77	580.9	0.0	872.5
75.00		1.00	1.19	38.904	42.79	458.00	0.730	0.000		18.360	13.40	573.5	0.0	848.8
78.00 Bot - Se	ection 3	1.00	1.20	39.226	43.15	452.15	0.730	0.000		10.772	7.86	339.3	0.0	497.9
80.00		1.00		39.436	43.38	448.19	0.730	0.000	2.00	7.186	5.25	227.5	0.0	583.3
83.50 Top - Se	ection 2	1.00		39.793	43.77	441.12	0.730	0.000		12.379	9.04	395.6	0.0	1004.6
85.00		1.00		39.942	43.94	444.82	0.730	0.000	1.50	5.229	3.82	167.7	0.0	186.3
90.00		1.00		40.426	44.47	434.42	0.730	0.000		17.101	12.48	555.1	0.0	609.1
95.00		1.00		40.889	44.98	423.73	0.730	0.000		16.593	12.11	544.8	0.0	590.9
00.00		1.00		41.333	45.47	412.79	0.730	0.000		16.086	11.74	533.9	0.0	572.7
05.00		1.00		41.759	45.94	401.61	0.730	0.000		15.578	11.37	522.4	0.0	554.4
10.00		1.00		42.170	46.39	390.21	0.730	0.000		15.070	11.00	510.3	0.0	536.2
12.00 Appurte	nance(s)	1.00		42.331	46.56	385.59	0.730	0.000	2.00	5.886	4.30	200.1	0.0	209.4
13.50 Bot - Se	` '	1.00		42.449	46.69	382.11	0.730	0.000	1.50	4.361	3.18	148.7	0.0	209.4 155.1
15.00		1.00		42.567	46.82	378.61	0.730	0.000	1.50	4.379	3.10	149.7	0.0	
18.00 Top - Se	ection 3	1.00		42.798	47.08	371.55	0.730	0.000	3.00	8.621	6.29			278.3
20.00		1.00		42.950	47.24	371.33	0.730	0.000	2.00	5.646	4.12	296.3	0.0	547.8
25.00		1.00		43.321	47.65	360.49	0.730	0.000		13.759		194.7	0.0	160.9
27.00 Appurte	nance(s)	1.00		43.466	47.81	355.66	0.730	0.000		5.361	10.04	478.6	0.0	392.1
30.00	1100(0)	1.00		43.680	48.05	348.37	0.730		2.00		3.91	187.1	0.0	152.7
35.00		1.00		44.028	48.43	336.10	0.730	0.000	3.00	7.890	5.76	276.7	0.0	224.7
37.00 Appurter	nance(s)	1.00		44.026	48.58		0.730	0.000		12.743	9.30	450.5	0.0	362.9
10.00 Appartei	(3)	1.00		44.165		331.14	0.730	0.000	2.00	4.955	3.62	175.7	0.0	141.1
15.00		1.00			48.80	323.67		0.000	3.00	7.281	5.31	259.4	0.0	207.3
18.00 Appurtei	nance(e)			44.696	49.17		0.730	0.000		11.728	8.56	420.9	0.0	333.8
10.00 Appurter 50.00	nance(s)	1.00		44.889	49.38	303.50	0.730	0.000	3.00	6.793	4.96	244.9	0.0	193.3
55.00	,	1.00		45.016	49.52	298.40	0.730	0.000	2.00	4.427	3.23	160.0	0.0	125.9
	BBB00(0)	1.00		45.328	49.86	285.57	0.730	0.000		10.713	7.82	389.9	0.0	304.6
58.00 Appurter	nance(s)	1.00	1.39	45.511	50.06	277.81	0.730	0.000	3.00	6.184	4.51	226.0	0.0	175.8
								Totals:	158.00			16,722.8		27,669.8

Discrete Appurtenance Forces

CT02722-S Structure:

Code:

TIA-222-H

7/7/2023

Site Name: Waterbury

Exposure: С

Height:

158.00 (ft)

Crest Height: 0.00 Site Class: D - Stiff Soil SBA

Base Elev: 0.000 (ft) Gh:

1.1

Topography: 1

Struct Class: ||

Page: 16

Iterations

23

Load Case: 0.9D + 1.0W 117 mph Wind

Dead Load Factor 0.90 1.00 Wind Load Factor

	<u>_</u>	X
-	4	

						Orient		Total	Dead Load	Horiz Ecc	Vert Ecc	Wind FX	Mom Y	Mom Z
No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Factor x Ka	Ka	CaAa (sf)	(lb)	(ft)	(ft)	(lb)	(lb-ft)	(lb-ft)
1		Fujitsu TA08025-B604	3	45.511	50.062	0.68	0.90	4.02	172.61	0.000	0.000	201.35	0.00	0.00
2		Fujitsu TA08025-B605	3	45.511	50.062	0.72	0.90	4.23	202.39	0.000	0.000	211.94	0.00	0.00
3		Commscope	1	45.511	50.062	1.00	1.00	34.24	1554.30	0.000	0.000	1714.12	0.00	0.00
4		JMA MX08FRO665-21	3	45.511	50.062	0.66	0.90	24.62	174.15	0.000	0.000	1232.42	0.00	0.00
5		Raycap	1	45.511	50.062	0.90	0.90	1.81	19.71	0.000	0.000	90.56	0.00	0.00 0.00
6		Low Profile Platform	1	44.889	49.378	1.00	1.00	24.04	1480.50	0.000	0.000	1187.04	0.00	0.00
7		JMA MX06FRO660-03	6	44.889	49.378	0.65	0.75	38.64	324.00	0.000	0.000	1908.00	0.00	0.00
8		Samsung MT6407-77A	1	44.889	49.378	0.52	0.75	2.47	78.39	0.000	0.000	121.84	0.00	0.00
9		Samsung MT407-77A	2	44.889	49.378	0.52	0.75	4.93	156.78	0.000	0.000	243.68	0.00	0.00
10		Andrew DB844G65ZAXY	6	44.889	49.378	0.69	0.75	17.97	64.80	0.000	0.000	887.20	0.00	0.00
11		Kaelus BSF0020F3V1-1	4	44.889	49.378	0.49	0.75	1.87	63.36	0.000	0.000	92.43	0.00 0.00	0.00
12		Samsung RF4440D-13a	3	44.889	49.378	0.60	0.75	3.38	189.89	0.000	0.000	167.09	0.00	0.00
13		Samsung RF4439D-25A	3	44.889	49.378	0.62	0.75	3.51	201.69	0.000	0.000	173.36	0.00	0.00
14		Raycap	1	44.889	49.378	1.00	1.00	4.06	28.80	0.000	0.000	200.47	0.00	0.00
15		RFS FD9R6004/2C-3L	6	44.889	49.378	0.48	0.75	0.89	16.74	0.000	0.000	44.08	0.00	0.00
16		VZWSMART-PLK6	1	44.889	49.378	1.00	1.00	10.00	296.10	0.000	0.000	493.78	0.00	0.00
17		VZWSMART-PLK7	1	44.889	49.378	1.00	1.00	2.25	123.03	0.000	0.000	111.10		0.00
18		VZWSMART-PLK3	1	44.889	49.378	1.00	1.00	12.25	462.60	0.000	0.000	604.88	0.00	0.00
19		Kaeius DBC0037F1V2-1 -	6	44.165	48.581	0.53	0.75	1.05	35.64	0.000	0.000	51.22	0.00	0.00
20		Ericsson B14 4478	3	44.165	48.581	0.58	0.75	2.90	162.00	0.000	0.000	140.68	0.00	0.00
21		Kaelus DBC0061F1V51-2	6	44.165	48.581	0.73	0.75	1.90	98.82	0.000	0.000	92.12	0.00	0.00
22		Kathrein 800 10965	3	44.165	48.581	0.53	0.75	22.06	159.57	0.000	0.000	1071.78	0.00	0.00
23		Ericsson RRUS 32 B2	3	44.165	48.581	0.50	0.75	4.13	143.10	0.000	0.000	200.67	0.00	
24		Ericsson RRUS-12	3	44.165	48.581	0.52	0.75	4.96	156.60	0.000	0.000	241.02	0.00	0.00
25		Quintel QD6616-7	3	44.165	48.581	0.56	0.75	22.92	159.57	0.000	0.000	1113.30	0.00	0.00
26		Ericsson AIR 6449 B77D	3	44.080	48.488	0.58	0.75	6.98	237.60	0.000	-1.250	338.54	0.00	-423.17 453.13
27		Ericsson AIR 6419 B77G	3	44.283	48.711	0.58	0.75	1.78	220.32	0.000	1.750	86.92	0.00	152.12 0.00
28		Raycap DC6-48-60-18-8F	2	44.165	48.581	0.60	0.75	4.44	59.04	0.000	0.000	215.70	0.00	0.00
29		Platform w/ Hand Rails	1	44.165	48.581	1.00	1.00	51.70	2035.80	0.000	0.000	2511.65	0.00	0.00
30		CCI DTMABP7819VG12A	6	44.165	48.581	0.50	0.75	2.95	102.60	0.000	0.000	143.54	0.00	0.00
31		Raycap	1	44.165	48.581	0.75	0.75	3.59	23.58	0.000	0.000	174.53	0.00	
32		Ericsson RRUS-32	3	44.165	48.581	0.60	0.75	4.93	143.10	0.000	0.000	239.60	0.00	0.00 0.00
33		2 1/2" XS Pipe Mast	3	44.165	48.581	1.00	1.00	12.93	234.90	0.000	0.000	628.16	0.00	0.00
34		Ericsson RRUS E2 B29	3	44.165	48.581	0.52	0.75	4.96	162.00	0.000	0.000	241.02	0.00	0.00
35		Ericsson RRUS 4449	3	44.165	48.581	0.68	0.75	3.32	197.10	0.000	0.000	161.34	0.00	
36		Ericsson RRUS 4426 B66	3	44.165	48.581	0.54	0.75	2.67	130.68	0.000	0.000	129.86	0.00	0.00
37		Ericsson RRU-A2	3		48.581	0.46	0.75	2.90	59.40	0.000	0.000	140.96	0.00	0.00
38		ALU 1900MHz	3	43.466		0.74	0.75	5.30	162.00	0.000	0.000	253.47	0.00	0.00
39		Low Profile Platform w/	1	43.466	47.812	1.00	1.00	23.81	1429.65	0.000	0.000	1138.41	0.00	0.00
40		DragonWave	2	43.466	47.812	1.00	1.00	16.86	22.14	0.000	0.000	806.11	0.00	0.00
41		PRK-1245 Reinforcement	1	43.466	47.812	1.00	1.00	9.50	418.42	0.000	0.000	454.22		0.00
42		ALU 800 MHz	6		47.812		0.75	8.82	286.20	0.000	0.000	421.62		0.00
42		Nokia AAHC	3	43.466	47.812	0.56	0.75	7.09	279.99	0.000	0.000	338.87		0.00
43) Commscope	3	43.466			0.75	20.43	228.69	0.000	0.000	976.78		0.00
44		Nokia CS72188.01 Omni	1	42.331	46.564	1.00	1.00	3.00	22.50	0.000	0.000	139.69	0.00	0.00
40	112.00	, mond och i footo . C.m.	_						40 000 05			22 137 15		

Totals:

12,980.85

22,137.15

Total Applied Force Summary

Structure: CT02722-S

Site Name: Waterbury

158.00 (ft) Base Elev: 0.000 (ft)

Height:

Gh:

Code: Exposure: TIA-222-H

С

Crest Height: 0.00

Site Class:

D - Stiff Soil

Struct Class: ||

Page: 17

7/7/2023

Load Case: 0.9D + 1.0W 117 mph Wind

1.1

Dead Load Factor 0.90

Topography: 1

Wind Load Factor 1.00

Iterations

SBA

23

Elev		Lateral FX (-)	Axial FY (-)	Torsion MY	Moment MZ	
	Description	(lb)	(lb)	(lb-ft)	(Ib-ft)	
0.00		0.00	0.00	0.00	0.00	
5.00		560.02	1601.97	0.00	0.00	
10.00		548.70	1572.81	0.00	0.00	
15.00		537.39	1543.65	0.00	0.00	
20.00		558.18	1514.49	0.00	0.00	
25.00		572.44	1485.34	0.00	0.00	
30.00		581.77	1456.18	0.00	0.00	
35.00		587.45	1427.02	0.00	0.00	
38.50		411.35	981.56	0.00	0.00	
40.00		178.45	718.22	0.00	0.00	
45.00		600.52	2359.71	0.00	0.00	
50.00		599.43	1138.49	0.00	0.00	
55.00		596.72	1114.80	0.00	0.00	
60.00		592.62	1091.10	0.00	0.00	
65.00		587.30	1067.41	0.00	0.00	
70.00		580.91	1043.71	0.00	0.00	
75.00		573.55	1020.02	0.00	0.00	
78.00		339.31	600.64	0.00	0.00	
80.00		227.55	651.73	0.00	0.00	
83.50		395.57	1124.38	0.00	0.00	
85.00		167.72	237.64	0.00	0.00	
90.00		555.13	780.30	0.00	0.00	
95.00		544.82	762.07	0.00	0.00	
100.00		533.88	743.85	0.00	0.00	
105.00		522.37	725.63	0.00	0.00	
110.00		510.32	707.40	0.00	0.00	
112.00 (1) attachments	339.76	300.36	0.00	0.00	
113.50		148.66	206.26	0.00	0.00	
115.00		149.68	329.46	0.00	0.00	
118.00		296.27	650.07	0.00	0.00	
120.00		194.71	229.10	0.00	0.00	
125.00		478.62	562.53	0.00	0.00	
127.00 (1	9) attachments	4576.61	3048.02	0.00	0.00	
130.00		276.73	315.86	0.00	0.00	
135.00		450.54	514.76	0.00	0.00	
137.00 (6	1) attachments	8098.36	4723.24	0.00	-271.06	
140.00		259.38	255.81	0.00	0.00	
145.00		420.93	414.69	0.00	0.00	
148.00 (36	6) attachments	6479.82	3728.49	0.00	0.00	
150.00		160.03	133.74	0.00	0.00	
155.00		389.92	324.15	0.00	0.00	
58.00 (1	1) attachments	3676.38	2310.65	0.00	0.00	
	Totals:	38,859.91	45,517.32	0.00	-271.06	
		,	. 5,5 11 102	0.00	-271.00	

Linear Appurtenance Segment Forces (Factored)

CT02722-S Structure: Site Name: Waterbury

Code:

TIA-222-H

7/7/2023

Exposure: С Crest Height: 0.00

Height: Base Elev: 0.000 (ft)

158.00 (ft)

Site Class: D - Stiff Soil SBA

Gh:

1.1

Topography: 1

Struct Class: II

Page: 18

Iterations

23

Load Case: 0.9D + 1.0W 117 mph Wind

Dead Load Factor 0.90 1.00 Wind Load Factor

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)
	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.017	0.000	27.759	0.00	1.23
	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.017	0.000	27.759	0.00	9,36
	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.017	0.000	27.75 9	0.00	1.23
	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.017	0.000	27.759	0.00	9.36
	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.017	0.000	27.759	0.00	1.23
	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.017	0.000	27.759	0.00	9.36
	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	29.454	0.00	1.23
	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	29.454	0.00	9.36
_	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	30.871	0.00	1.23
	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	30.871	0.00	9.36
	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	32.078	0.00	1.23
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	32.078	0.00	9.36
		Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	33.137	0.00	1.23
	Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	33.137	0.00	9.36
	Step bolts (ladder)	Yes	3.50	0.000	0.38	0.11	0.00	0.019	0.000	33.808	0.00	0.86
	Safety Cable	Yes	3.50	0.000	0.63	0.18	0.00	0.019	0.000	33.808	0.00	6.55
38.50	Step bolts (ladder)	Yes	1.50	0.000	0.38	0.05	0.00	0.020	0.000	34.081	0.00	0.37
40.00	Safety Cable	Yes	1.50	0.000	0.63	0.08	0.00	0.020	0.000	34.081	0.00	2.81
40.00	Step bolts (ladder)		5.00	0.000	0.38	0.16	0.00	0.020	0.000	34.937	0.00	1.23
45.00	Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.020	0.000	34.937	0.00	9.36
45.00	Step bolts (ladder)	Yes	5.00	0.000	0.38	0.16	0.00	0.020	0.000	35.721	0.00	1.23
50.00	Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.020	0.000	35.721	0.00	9.36
50.00	Step bolts (ladder)	Yes	5.00	0.000	0.38	0.16	0.00	0.021	0.000	36.445	0.00	1.23
55.00	Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.021	0.000	36.445	0.00	9.36
55.00	Step bolts (ladder)	Yes	5.00	0.000	0.38	0.16	0.00	0.021	0.000	37.118	0.00	1.23
60.00	Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.021	0.000	37.118	0.00	9.36
60.00	Step bolts (ladder)	Yes	5.00	0.000	0.38	0.16	0.00	0.022	0.000	37.749	0.00	1.23
65.00	Safety Cable	Yes		0.000	0.63	0.26	0.00	0.022	0.000	37.749	0.00	9.36
65.00	Step bolts (ladder)	Yes	5.00	0.000	0.38	0.16	0.00	0.022	0.000	38.343	0.00	1.23
70.00	Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.022	0.000	38.343	0.00	9.36
70.00	Step bolts (ladder)	Yes	5.00	0.000	0.03	0.16	0.00	0.023	0.000	38.904	0.00	1.23
75.00	Safety Cable	Yes	5.00	0.000	0.63	0.16	0.00	0.023	0.000	38.904	0.00	9.36
75.00	Step bolts (ladder)	Yes	5.00	0.000	0.38	0.10	0.00	0.023	0.000	39.226	0.00	0.74
78.00	Safety Cable	Yes	3.00		0.63	0.16	0.00	0.023	0.000	39.226	0.00	5.62
78.00	Step bolts (ladder)	Yes	3.00	0.000	0.03	0.16	0.00	0.024	0.000	39.436	0.00	0.49
80.00	Safety Cable	Yes	2.00	0.000	0.63	0.00	0.00	0.024	0.000	39.436	0.00	3.74
80.00	Step bolts (ladder)	Yes	2.00	0.000		0.10	0.00	0.024	0.000	39.793	0.00	0.86
83.50	Safety Cable	Yes	3.50	0.000	0.38	0.11	0.00	0.024	0.000	39.793	0.00	6.55
83.50	Step bolts (ladder)	Yes	3.50	0.000	0.63	0.18	0.00	0.024	0.000	39.942	0.00	0.37
85.00	Safety Cable	Yes	1.50	0.000	0.38		0.00	0.024	0.000	39.942	0.00	2.81
85.00	Step bolts (ladder)	Yes	1.50	0.000		0.08	0.00	0.025	0.000	40.426	0.00	1.23
90.00	Safety Cable	Yes	5.00	0.000		0.16	0.00	0.025	0.000	40.426	0.00	9.36
90.00	Step bolts (ladder)	Yes	5.00	0.000		0.26		0.025	0.000	40.889	0.00	1.23
95.00	Safety Cable	Yes	5.00	0.000		0.16	0.00	0.025	0.000	40.889	0.00	9.36
95.00	Step bolts (ladder)	Yes	5.00	0.000		0.26	0.00	0.025	0.000	41.333	0.00	1.23
	Safety Cable	Yes	5.00	0.000		0.16	0.00	0.026	0.000	41.333	0.00	9.36
100.00		Yes	5.00	0.000		0.26	0.00	0.026	0.000	41.759	0.00	1.23
105.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00			71.100	5.55	

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Linear Appurtenance Segment Forces (Factored)

Structure: CT02722-S

Code:

TIA-222-H

С

Site Name: Waterbury

Exposure:

7/7/2023

Height:

158.00 (ft)

Crest Height: 0.00

Base Elev: 0.000 (ft)

Gh:

1.1

Topography: 1

Site Class: D - Stiff Soil Struct Class: ||

Page: 19

SBA

Load Case: 0.9D + 1.0W 117 mph Wind

Dead Load Factor 0.90 Wind Load Factor 1.00



Iterations

23

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 (Ib)
105.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.027	0.000	41.759	0.00	9.36
110.00		Yes	5.00	0.000	0.38	0.16	0.00	0.028	0.000	42.170	0.00	1.23
110.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.028	0.000	42.170	0.00	9.36
112.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.029	0.000	42.331	0.00	0.49
112.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.029	0.000	42.331	0.00	3.74
113.50	Safety Cable	Yes	1.50	0.000	0.38	0.05	0.00	0.029	0.000	42.449	0.00	0.37
113.50	Step bolts (ladder)	Yes	1.50	0.000	0.63	0.08	0.00	0.029	0.000	42.449	0.00	2.81
115.00	Safety Cable	Yes	1.50	0.000	0.38	0.05	0.00	0.029	0.000	42.567	0.00	0.37
115.00	Step bolts (ladder)	Yes	1.50	0.000	0.63	0.08	0.00	0.029	0.000	42.567	0.00	2.81
118.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.030	0.000	42.798	0.00	0.74
118.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.030	0.000	42.798	0.00	5.62
120.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.030	0.000	42.950	0.00	0.49
120.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.030	0.000	42.950	0.00	3.74
125.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.031	0.000	43.321	0.00	1.23
125.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.031	0.000	43.321	0.00	9.36
127.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.031	0.000	43.466	0.00	0.49
127.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.031	0.000	43.466	0.00	3.74
130.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.032	0.000	43.680	0.00	0.74
130.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.032	0.000	43.680	0.00	5.62
135.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.033	0.000	44.028	0.00	1.23
135.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.033	0.000	44.028	0.00	9.36
137.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.034	0.000	44.165	0.00	0.49
137.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.034	0.000	44.165	0.00	3.74
140.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.035	0.000	44.163	0.00	0.74
140.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.035	0.000	44.367	0.00	5.62
145.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.036	0.000	44.696	0.00	1.23
145.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.036	0.000	44.696	0.00	9.36
148.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.037	0.000	44.889	0.00	9.36 0.74
148.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.037	0.000	44.889	0.00	5.62
150.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.037	0.000	45.016	-	
150.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.038	0.000	45.016 45.016	0.00	0.49
	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.038	0.000	45.016	0.00	3.74
155.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.16	0.00	0.039	0.000	45.328 45.328	0.00	1.23
158.00	Safety Cable	Yes	3.00	0.000	0.38	0.20	0.00	0.039	0.000		0.00	9.36
	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.041	0.000	45.511	0.00	0.74
	, , , , , , , , , , , , , , , , , , , ,		0.00	0.000	0.00	0.10	0.00	0.041		45.511	0.00	5.62
									Tot	als:	0.0	334.6

Calculated Forces

Structure: CT02722-S

Code:

TIA-222-H

D - Stiff Soil

7/7/2023

Site Name: Waterbury

Exposure:

С

Iterations

SBA

Height: Base Elev: 0.000 (ft)

158.00 (ft)

Crest Height: 0.00 Site Class:

Page: 20

Gh:

1.1

Topography: 1

Struct Class: ||

23

Load Case: 0.9D + 1.0W 117 mph Wind

Dead Load Factor

0.90

Wind Load Factor

1.00

	4		
	J	_	X
3			

Seg Elev	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)	Sway (deg)	Rotation Twist (deg)	Stress Ratio
(ft) 0.00	-45.46	-38.92		-4538.9	0.00	4538.99	6641.65	1656.57	8175.13	8123.90	0.00	0.000	0.000	0.566
5.00	-43.76	-38.47		-4344.3	0.00	4344.39	6549.09	1623.15	7848.62	7847.74	0.08	-0.150	0.000	0.561
10.00	-42.09	-38.03	0.00	-4152.0	0.00	4152.02	6454.83	1589.73	7528.76	7574.18	0.32	-0.302	0.000	0.555
15.00	-42.05	-37.59		-3961.8	0.00	3961.87	6358.86	1556.31	7215.55	7303.35	0.72	-0.457	0.000	0.549
20.00	-38.84	-37.13		-3773.9	0.00	3773.90	6261.18	1522.89	6908.99	7035.38	1.28	-0.614	0.000	0.543
25.00	-37.25	-36.64		-3588.2	0.00	3588.25	6161.80	1489.47	6609.09	6770.39	2.01	-0.774	0.000	0.537
30.00	-35.70	-36.14		-3405.0	0.00	3405.03	6060.71	1456.05	6315.85	6508.52	2.91	-0.936	0.000	0.530
35.00	-34.20	-35.61	0.00	-3224.3	0.00	3224.32	5957.92	1422.64	6029.26	6249.90	3.98	-1.101	0.000	0.522
38.50	-33.18	-35.23	_	-3099.6	0.00	3099.68	5884.95	1399.24	5832.60	6070.85	4.83	-1.218	0.000	0.517
40.00	-32.39	-35.10		-3046.8	0.00	3046.83	5853.42	1389.22	5749.32	5994.64	5.22	-1.270	0.000	0.514
45.00	-29.95	-34.53		-2871.3	0.00	2871.33	4462.52	1122.23	4617.06	4551.53	6.64	-1.439	0.000	0.639
50.00	-28.71	-34.00		-2698.6	0.00	2698.67	4388.93	1095.08	4396.31	4367.27	8.24	-1.610	0.000	0.625
55.00	-27.50	-33.47		-2528.6	0.00	2528.68	4313.64	1067.92	4180.97	4185.02	10.04	-1.812	0.000	0.612
	-26.31	-32.93		-2361.3	0.00	2361.36	4236.64	1040.76	3971.04	4004.90	12.04	-2.015	0.000	0.597
60.00 65.00	-25.15	-32.39		-2196.7	0.00	2196.71	4157.93	1013.61	3766.51	3827.04	14.26	-2.220	0.000	0.581
70.00	-24.02	-31.86		-2034.7	0.00	2034.74	4077.51	986.45	3567.39	3651.57	16.70	-2.425	0.000	0.564
75.00	-22.93	-31.31		-1875.4	0.00	1875.45	3995.39	959.30	3373.68	3478.62	19.35	-2.631	0.000	0.546
78.00	-22.99	-30.98		-1781.5	0.00	1781.53	3945.30	943.00	3260.05	3376.11	21.04	-2.757	0.000	0.534
80.00	-22.2 9 -21.59	-30.76		-1719.5	0.00	1719.57	3911.57	932.14	3185.38	3308.31	22.22	-2.842	0.000	0.526
83.50	-20.43	-30.35		-1611.9		1611.90	2771.30	714.83	2435.60	2342.24	24.35	-2.987	0.000	0.697
85.00	-20.43	-30.23		-1566.3	0.00	1566.37	2755.69	708.57	2393.09	2308.47	25.30	-3.051	0.000	0.688
90.00	-19.24	-29.71		-1415.2		1415.25	2702.54	687.68	2254.08	2196.71	28.63	-3.302	0.000	0.653
95.00	-18.39	-29.20		-1266.6	0.00	1266.69	2647.69	666.79	2119.23	2086.24	32.22		0.000	0.616
100.00	-17.56	-28.69		-1120.6		1120.69	2591.13	645.91	1988.55	1977.20	36.07	-3.790	0.000	0.576
105.00	-16.76	-28.19		-977.22		977.22	2532.86	625.02	1862.02	1869.72	40.16	-4.023	0.000	0.531
110.00	-16.02	-27.67		-836.28	0.00	836.28	2472.89	604.13	1739.65	1763.92	44.49	-4.245	0.000	0.483
	-15.71	-27.33		-780.93		780.93	2448.42	595.78	1691.86	1722.10	46.29	-4.333	0.000	0.462
112.00 113.50	-15.49	-27.19		-739.93		739.93	2429.89	589.51	1656.46	1690.93	47.66	-4.397	0.000	0.446
115.00	-15.13	-27.04		-699.16		699.16	2411.21	583.25	1621.44	1659.93	49.05	-4.460	0.000	0.430
118.00	-14.46	-26.71		-618,05		618.05	1790.62	464.40	1284.99	1229.14	51.89	-4.580	0.000	0.514
120.00	-14.40	-26.54		-564.63		564.63	1774.20	457.72	1248.27	1200.21	53.82	-4.656	0.000	0.482
125.00	-13.60			-431.95		431.95	1731.94	441.01	1158.79	1128.53	58.81	- 4.855	0.000	0.394
	-10.92			-379.86		379.86	1714.56	434.33	1123.93	1100.14	60.86	-4.928	0.000	0.354
127.00 130.00	-10.52	-20.96		-316.14		316.14	1687.98	424.30	1072.64	1057.88	63.98	-5.025	0.000	0.308
	-10.58	-20.48				211.35	1642.31	407.59	989.82	988.40	69.31	-5.157	0.000	0.222
135.00	-6.10	-11.99				170.39	1623.56	400.91	957.63	960.96	71.48	-5.201	0.000	0.182
137.00	-6.10 -5.86	-11.72	_			134.42	1594.93	390.88	910.33	920.20	74.76	-5.255	0.000	0.151
140.00	-5.66 -5.47	-11.72				75.83	1545.85	374.17	834.16	853.42	80.30		0.000	0.093
145.00	-5.47 -2.36	-11.20	-			42.04	1515.59	364.15	790.06	814.09	83.65	-5.348	0.000	0.053
148.00	-2.30 -2.24					33.11	1495.07	357.46	761.33	788.19	85.89	-5.360	0.000	0.044
150.00		-3.88				11.63	1442.53	340.75	691.81	724.60	91.51	-5.379	0.000	0.018
155.00	-1.96					0.00	1400.09	330.73	651.70	682.38	94.88	-5.382	0.000	0.000
158.00	0.00	-3.66	0.00	0.00	0.00	5.55								

Wind Loading - Shaft

Structure: CT02722-S

Code:

TIA-222-H

7/7/2023

Site Name: Waterbury

Exposure: С

Height: Base Elev: 0.000 (ft)

158.00 (ft)

Crest Height: 0.00

SBA

22

Gh:

1.1

Topography: 1

D - Stiff Soil Struct Class: ||

Site Class:

Page: 21

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

Dead Load Factor 1.20 **Wind Load Factor** 1.00



Iterations

(ft)	Description	17-4	16	qz	qzGh	С		lce Thick	Tributary	Aa	CfAa		Dead Load Ice	Dead Load
	200011011	Kzt	Kz	(psf)	(psf)	(mph-ft)	Cf	(in)	(ft)	(sf)	(sf)	(lb)	(lb)	(lb)
0.00		1.00	0.85	5.070	5.58	0.00	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	5.070	5.58	0.00	1.200	0.828	5.00	25.813	30.98	172.7	309.2	2217.0
10.00		1.00	0.85	5.070	5.58	0.00	1.200	0.887	5.00	25.355	30.43	169.7	325.1	2193.9
15.00		1.00	0.85	5.070	5.58	0.00	1.200	0.924	5.00	24.878	29.85	166.5	331.8	2161.8
20.00		1.00	0.90	5.379	5.92	0.00	1.200	0.951	5.00	24.393	29.27	173.2	334.5	2125.6
25.00		1.00	0.95	5.638	6.20	0.00	1.200	0.973	5.00	23.903	28.68	177.9	334.9	2087.1
30.00		1.00	0.98	5.858	6.44	0.00	1.200	0.991	5.00	23.410	28.09	181.0	333.7	2047.0
35.00		1.00	1.01	6.052	6.66	0.00	1.200	1.006	5.00	22.916	27.50	183.1	331.4	2005.8
	: - Section 2	1.00	1.04	6.174	6.79	0.00	1.200	1.016	3.50	15.744	18.89	128.3	230.5	1379.5
40.00		1.00	1.04	6.224	6.85	0.00	1.200	1.019	1.50	6.776	8.13	55.7	100.0	989.2
	- Section 1	1.00	1.07	6.380	7.02	0.00	1.200	1.032	5.00	22.265	26.72	187.5	329.7	3247.8
50.00		1.00	1.09	6.524	7.18	0.00	1.200	1.042	5.00	21.767	26.12	187.4	325.4	1615.2
55.00		1.00	1.12	6.656	7.32	0.00	1.200	1.052	5.00	21.267	25.52	186.8	320.7	1578.9
60.00		1.00	1.14	6.779	7.46	0.00	1.200	1.062	5.00	20.767	24.92	185.8	315.6	1542.2
65.00		1.00	1.16	6.894	7.58	0.00	1.200	1.070	5.00	20.267	24.32	184.4	310.1	1505.1
70.00		1.00	1.17	7.002	7.70	0.00	1.200	1.078	5.00	19.766	23.72	182.7	304.4	1467.8
75.00		1.00	1.19	7.105	7.82	0.00	1.200	1.086	5.00	19.264	23.12	180.7	298.4	1430.2
	- Section 3	1.00	1.20	7.164	7.88	0.00	1.200	1.090	3.00	11.317	13.58	107.0	176.8	840.7
80.00		1.00	1.21	7.202	7.92	0.00	1.200	1.093	2.00	7.550	9.06	71.8	118.6	896.2
•	- Section 2	1.00	1.22	7.267	7.99	0.00	1.200	1.097	3.50	13.019	15.62	124.9	204.4	1543.8
85.00		1.00	1.22	7.295	8.02	0.00	1.200	1.099	1.50	5.504	6.60	53.0	87.0	335.4
90.00		1.00	1.24	7.383	8.12	0.00	1.200	1.106	5.00	18.022	21.63	175.6	283.4	1095.6
95.00		1.00	1.25	7.467	8.21	0.00	1.200	1.112	5.00	17.520	21.02	172.7	276.6	1064.5
100.00		1.00	1.27	7.549	8.30	0.00	1.200	1.117	5.00	17.017	20.42	169.6	269.7	1033.2
105.00		1.00	1.28	7.626	8.39	0.00	1.200	1.123		16.514	19.82	166.2	262.6	1001.9
110.00		1.00	1.29	7.702	8.47	0.00	1.200	1.128	5.00	16.010	19.21	162.8	255.4	970.3
112.00 App	urtenance(s)	1.00	1.30	7.731	8.50	0.00	1.200	1.130	2.00	6.263	7.52	63.9	101.0	380.2
113.50 Bot	- Section 4	1.00	1.30	7.752	8.53	0.00	1.200	1.131	1.50	4.644	5.57	47.5	75.1	281.9
115.00		1.00	1.30	7.774	8.55	0.00	1.200	1.133	1.50	4.662	5.59	47.8	75.5	446.6
118.00 Top	- Section 3	1.00	1.31	7.816	8.60	0.00	1.200	1.136	3.00	9.189	11.03	94.8	148.3	878.7
120.00		1.00	1.32	7.844	8.63	0.00	1.200	1.138	2.00	6.025	7.23	62.4	97.7	312.2
125.00		1.00	1.33	7.912	8.70	0.00	1.200	1.142		14.711	17.65	153.6	236.6	759.3
127.00 App	urtenance(s)	1.00	1.33	7.938	8.73	0.00	1.200	1.144	2.00	5.743	6.89	60.2	93.4	297.1
130.00		1.00	1.34	7.977	8.77	0.00	1.200	1.147	3.00	8.463	10.16	89.1	137.3	437.0
135.00		1.00	1.35	8.041	8.84	0.00	1.200	1.151		13.703	16.44	145.4	221.2	705.0
137.00 App	urtenance(s)	1.00	1.35	8.066	8.87	0.00	1.200	1.153	2.00	5.340	6.41	56.8	87.2	275.3
140.00		1.00	1.36	8.103	8.91	0.00	1.200	1.155	3.00	7.858	9.43	84.0	128.0	404.3
145.00		1.00	1.37	8.163	8.98	0.00	1.200	1.160		12.694	15.23	136.8	205.4	404.3 650.4
148.00 App	urtenance(s)	1.00	1.37	8.198	9.02	0.00	1.200	1.162	3.00	7.374	8.85	79.8	120.3	378.0
150.00		1.00	1.38	8.221	9.04	0.00	1.200	1.163	2.00	4.815	5.78	52.3	78.9	
155.00		1.00	1.39	8.278	9.11	0.00	1.200	1.167		11.685	14.02	127.7	78.9 189.2	246.8
158.00 App	urtenance(s)	1.00	1.39	8.312	9.14	0.00	1.200	1.170	3.00	6.769	8.12	74.3	110.6	595.4 345.0
				=				Totals:	158.00	5.103	0.12	5,283.6	110.0	45,768.7

Discrete Appurtenance Forces

CT02722-S Structure:

Code:

TIA-222-H

7/7/2023

Site Name: Waterbury

Exposure:

С

Height:

Gh:

158.00 (ft)

Crest Height: 0.00 Site Class: D - Stiff Soil SBA

Base Elev: 0.000 (ft)

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 1.00 Wind Load Factor



22 **Iterations**

	Elev		1000	qz	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (Ib)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
No.	(ft)	Description	Qty	(psf)	9.143	0.70	0.90	4,91	294.70	0.000	0.000	44.89	0.00	0.00
1		Fujitsu TA08025-B604	3	8.312 8.312	9.143	0.74	0.90	5.16	335.98	0.000	0.000	47.19	0.00	0.00
2		Fujitsu TA08025-B605	3	8.312	9.143	1.00	1.00	54.26	3153.65	0.000	0.000	496.11	0.00	0.00
3		Commscope	1 3	8.312	9.143	0.68	0.90	27.27	610.30	0.000	0.000	249.31	0.00	0.00
4		JMA MX08FRO665-21	3 1	8.312	9.143	0.90	0.90	2.15	49.26	0.000	0.000	19.67	0.00	0.00
5		Raycap	1	8.198	9.018	1.00	1.00	37.45	3533.40	0.000	0.000	337.69	0.00	0.00
6		Low Profile Platform	6	8.198	9.018	0.65	0.75	42.13	1142.35	0.000	0.000	379.87	0.00	0.00
7		JMA MX06FRO660-03	1	8.198	9.018	0.53	0.75	2.82	161.51	0.000	0.000	25.45	0.00	0.00
8		Samsung MT6407-77A	2	8.198	9.018	0.53	0.75	5.65	323.02	0.000	0.000	50.91	0.00	0.00
9		Samsung MT407-77A	6	8.198	9.018	0.69	0.75	20.47	-378.01	0.000	0.000	184.62	0.00	0.00
10		Andrew DB844G65ZAXY	4	8.198	9.018	0.51	0.75	2.50	93.14	0.000	0.000	22.53	0.00	0.00
11		Kaelus BSF0020F3V1-1	3	8.198	9.018	0.61	0.75	4.14	317.03	0.000	0.000	37.31	0.00	0.00
12		Samsung RF4440D-13a	3	8.198	9.018	0.64	0.75	4.29	235.67	0.000	0.000	38.68	0.00	0.00
13		Samsung RF4439D-25A	1	8.198	9.018	1.00	1.00	4.61	89.05	0.000	0.000	41.55	0.00	0.00
14		Raycap	6	8.198	9.018	0.52	0.75	1.78	40.58	0.000	0.000	16.03	0.00	0.00
15		RFS FD9R6004/2C-3L	1	8.198	9.018	1.00	1.00	16.97	555.62	0.000	0.000	153.04	0.00	0.00
16	,	VZWSMART-PLK6		8.198	9.018	1.00	1.00	3.82	231.01	0.000	0.000	34.44	0.00	0.00
17		VZWSMART-PLK7	1 1	8.198	9.018	1.00	1.00	20.22	1536.91	0.000	0.000	182.35	0.00	0.00
18		VZWSMART-PLK3		8.066	8.872		0.75	1.79	16.61	0.000	0.000	15.92	0.00	0.00
19		Kaelus DBC0037F1V2-1 -	6	8.066	8.872		0.75	3.58	274.86	0.000	0.000	31.76	0.00	0.00
20		Ericsson B14 4478	3 6	8.066	8.872		0.75	3.40	297.01	0.000	0.000	30.17	0.00	0.00
21		Kaelus DBC0061F1V51-2	3	8.066	8.872		0.75	24.02	642.05	0.000	0.000	213.14	0.00	0.00
22		Kathrein 800 10965		8.066	8.872		0.75	4.84	351.39	0.000	0.000	42.92	0.00	0.00
23		Ericsson RRUS 32 B2	3 3	8.066	8.872		0.75	5.85	306.32	0.000	0.000	51.87	0.00	0.00
24		Ericsson RRUS-12	3	8.066	8.872		0.75	24.91	672.12	0.000	0.000	221.04	0.00	0.00
25		Quintel QD6616-7	3	8.050	8.855		0.75	8.02	452.48	0.000	-1.250	71.04	0.00	-88.79
26		Ericsson AIR 6449 B77D	3	8.087	8.896		0.75	2.06	507.56	0.000	1.750	18.31	0.00	32.04
27		Ericsson AIR 6419 B77G	2	8.066	8.872		0.75	5.91	129.58	0.000	0.000	52.43	0.00	0.00
28		Raycap DC6-48-60-18-8F	1	8.066	8.872		1.00	80.31	4306.35	0.000	0.000	712.56	0.00	0.00
29		Platform w/ Hand Rails	6	8.066	8.872		0.75	3.93	186.49	0.000	0.000	34.83	0.00	0.00
30		CCI DTMABP7819VG12A	1	8.066	8.872		0.75	4.03	95.25	0.000	0.000	35.73	0.00	0.00
31		Raycap	3	8.066	8.872		0.75	5.91	182.81	0.000	0.000	52.42	0.00	0.00
32		Ericsson RRUS-32	3	8.066	8.872		1.00	23.60	485.02	0.000	0.000	209.42	0.00	0.00
33		2 1/2" XS Pipe Mast	3	8.066	8.872		0.75	5.85	315.29	0.000	0.000	51.87	0.00	0.00
34		Ericsson RRUS E2 B29	3	8.066	8.872		0.75	4.00	321.83	0.000	0.000	35.53	0.00	0.00
35		Ericsson RRUS 4449		8.066	8.872		0.75	3.31	234.97	0.000	0.000	29.38	0.00	0.00
36		Ericsson RRUS 4426 B66	3 3	8.066	8.872		0.75	3.59	146.73	0.000	0.000	31.88	0.00	0.00
37		Ericsson RRU-A2	3	7.938	8.732		0.75	6.89	308.42	0.000	0.000	60.19	0.00	0.00
38		ALU 1900MHz		7.938	8.732		1.00		3303.43	0.000	0.000	326.86	0.00	0.00
39		Low Profile Platform w/	1 2	7.938	8.732		1.00		-81.59	0.000	0.000	166.76	0.00	0.00
40	127.00	DragonWave		7.938	8.732		1.00		675.60	0.000	0.000	139.91	0.00	0.00
41		PRK-1245 Reinforcement	1	7.938	8.732		0.75		545.96	0.000	0.000	100.19	0.00	0.00
42		ALU 800 MHz	6	7.938	8.732		0.75		503.51	0.000	0.000	69.65	0.00	0.00
43		Nokia AAHC	3	7.938	8.732		0.75		744.09	0.000	0.000	194.87	0.00	0.00
44		Commscope	1	7.938 7.731	8.504		1.00		57.54	0.000	0.000	45.37	0.00	0.00
45	112.00	Nokia CS72188.01 Omni		1.13	0.00	1.00	T-4-1		20 206 77			5.407.64		

Totals:

28,306.77

5,407.64

Total Applied Force Summary

Structure: CT02722-S

Site Name: Waterbury Height:

1.1

Gh:

158.00 (ft)

Base Elev: 0.000 (ft)

Topography: 1

Code:

TIA-222-H

Exposure: С

Crest Height: 0.00 Site Class: D - Stiff Soil

Struct Class: II

7/7/2023

SBA

Page: 23

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

Dead Load Factor 1.20 **Wind Load Factor** 1.00



Iterations 22

Elev		Lateral	Axial	Torsion	Momen
Elev (ft)	Description	FX (-) (lb)	FY (-)	MY	MZ
	Description		(lb)	(lb-ft)	(lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		172.74	2459.19	0.00	0.00
10.00		169.68	2437.78	0.00	0.00
15.00		166.48	2406.66	0.00	0.00
20.00		173.20	2371.26	0.00	0.00
25.00		177.89	2333.39	0.00	0.00
30.00		181.04	2293.87	0.00	0.00
35.00		183.05	2253.18	0.00	0.00
38.50		128.32	1552.83	0.00	0.00
40.00		55.67	1063.52	0.00	0.00
45.00		187.52	3495.90	0.00	0.00
50.00		187.44	1863.68	0.00	0.00
55.00		186.85	1827.68	0.00	0.00
60.00		185.83	1791.26	0.00	0.00
65.00		184.43	1754.49	0.00	0.00
70.00		182.70	1717.41	0.00	0.00
75.00		180.67	1680.06	0.00	0.00
78.00		107.02	990.73	0.00	0.00
80.00		71.77	996.29	0.00	0.00
83.50		124.89	1718.97	0.00	0.00
85.00		53.00	410.49	0.00	
90.00		175.64	1346.11	0.00	0.00 0.00
95.00		172.69	1315.23	0.00	
100.00		169.56	1284.18	0.00	0.00
105.00		166.24	1252.98	0.00	0.00
110.00		162.76	1232.96		0.00
112.00	(1) attachments	102.70	538,26	0.00	0.00
113.50	() attachments	47.52	357.05	0.00	0.00
115.00		47.52 47.84		0.00	0.00
118.00		47.84 94.80	521.73	0.00	0.00
120.00			1029.03	0.00	0.00
125.00		62.38	412.47	0.00	0.00
127.00	(10) attachmant-	153.63	1010.18	0.00	0.00
130.00	(19) attachments	1118.59	6396.83	0.00	0.00
135.00		89.12	572.71	0.00	0.00
	(C4) =#==b=== :	145.44	931.36	0.00	0.00
137.00	(61) attachments	1999.07	10290.55	0.00	-56.76
140.00		84.05	483.46	0.00	0.00
145.00	(mm)	136.78	782.42	0.00	0.00
148.00	(36) attachments	1584.26	8338.54	0.00	0.00
150.00		52.25	266.97	0.00	0.00
155.00		127.69	645.84	0.00	0.00
158.00	(11) attachments	931.43	4819.18	0.00	0.00
	Totals:	10,691.20	81,235.39	0.00	-56.76

Linear Appurtenance Segment Forces (Factored)

Structure: CT02722-S

Code:

TIA-222-H

Site Name: Waterbury

С Exposure: Crest Height: 0.00 7/7/2023

Height:

158.00 (ft)

D - Stiff Soil Site Class:

Base Elev: 0.000 (ft) Gh: 1.1

Topography: 1

Struct Class: ||

Page: 24

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

Dead Load Factor 1.20 1.00 Wind Load Factor



Itera

ations	22
	- 1

Top Elev		Wind	Length	Co	Exposed Width	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (Ib)
(ft)	Description	Exposed	(ft)	Ca	(in)							7.09
5.00	Safety Cable	Yes	5.00	0.000	0.38	0.85	0.00	0.017	0.000	5.070 5.070	0.00	21.02
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.95	0.00	0.017	0.000	5.070	0.00	7.80
10.00	Safety Cable	Yes	5.00	0.000	0.38	0.90	0.00	0.017	0.000	5.070	0.00	21.93
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.00	0.00	0.017	0.000	5.070	0.00	8.26
15.00	Safety Cable	Yes	5.00	0.000	0.38	0.93	0.00	0.017	0.000	5.070	0.00	22.52
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.03	0.00	0.017	0.000	5.379	0.00	8.61
20.00	Safety Cable	Yes	5.00	0.000	0.38	0.95	0.00	0.018	0.000	5.379	0.00	22.96
20.00	Step boits (ladder)	Yes	5.00	0.000	0.63	1.06	0.00	0.018	0.000	5.638	0.00	8.89
25.00	Safety Cable	Yes	5.00	0.000	0.38	0.97	0.00	0.018	0.000	5.638	0.00	23.31
25,00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.07	0.00	0.018	0.000	5.858	0.00	9.13
30.00	Safety Cable	Yes	5.00	0.000	0.38	0.98	0.00	0.019	0.000	5.858	0.00	23.61
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.09	0.00	0.019	0.000	6.052	0.00	9.34
35.00	Safety Cable	Yes	5.00	0.000	0.38	1.00	0.00	0.019	0.000	6.052	0.00	23.88
35.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.10	0.00	0.019 0.019	0.000	6.174	0.00	6.63
38.50	Safety Cable	Yes	3.50	0.000	0.38	0.70	0.00		0.000	6.174	0.00	16.83
38.50	Step bolts (ladder)	Yes	3.50	0.000	0.63	0.78	0.00	0.019 0.020	0.000	6.224	0.00	2.86
40.00	Safety Cable	Yes	1.50	0.000	0.38	0.30	0.00	0.020	0.000	6.224	0.00	7.23
40.00	Step bolts (ladder)	Yes	1.50	0.000	0.63	0.33	0.00	0.020	0.000	6.380	0.00	9.70
45.00	Safety Cable	Yes	5.00	0.000	0.38	1.02	0.00	0.020	0.000	6.380	0.00	24.32
45.00	Step boits (ladder)	Yes	5.00	0.000	0.63	1.12	0.00	0.020	0.000	6.524	0.00	9.85
50.00	Safety Cable	Yes	5.00	0.000	0.38	1.03	0.00	0.020	0.000	6.524	0.00	24.51
50.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.13	0.00	0.020	0.000	6.656	0.00	10.00
55.00	Safety Cable	Yes	5.00	0.000	0.38	1.04	0.00	0.021	0.000	6.656	0.00	24.69
55.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.14	0.00 0.00	0.021	0.000	6.779	0.00	10.13
60.00	Safety Cable	Yes	5.00	0.000	0.38	1.04	0.00	0.021	0.000	6.779	0.00	24.85
60.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.15	0.00	0.021	0.000	6.894	0.00	10.25
65.00	Safety Cable	Yes	5.00	0.000	0.38	1.05	0.00	0.022	0.000	6.894	0.00	25.00
65.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.15	0.00	0.022	0.000	7.002	0.00	10.37
70.00	Safety Cable	Yes	5.00	0.000	0.38	1.06	0.00	0.022	0.000	7.002	0.00	25.15
70.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.16	0.00	0.022	0.000	7.105	0.00	10.48
75.00	Safety Cable	Yes	5.00	0.000	0.38	1.06	0.00	0.023	0.000	7.105	0.00	25.28
75.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.17	0.00	0.023	0.000	7.164	0.00	6.32
78.00	Safety Cable	Yes	3.00	0.000	0.38	0.64 0.70	0.00	0.023	0.000	7.164	0.00	15.22
78.00	Step bolts (ladder)	Yes	3.00	0.000	0.63		0.00	0.023	0.000	7.202	0.00	4.23
80.00		Yes	2.00	0.000	0.38	0.43	0.00	0.024	0.000	7.202	0.00	10.16
80.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.47	0.00	0.024	0.000	7.267	0.00	7.46
83.50	Safety Cable	Yes	3.50	0.000	0.38	0.75	0.00	0.024	0.000	7.267	0.00	17.85
83.50	Step bolts (ladder)	Yes	3.50	0.000	0.63	0.82 0.32	0.00	0.024	0.000	7.295	0.00	3.20
85.00	Safety Cable	Yes	1.50	0.000		0.32	0.00	0.024	0.000	7.295	0.00	7.66
85.00	Step bolts (ladder)	Yes	1.50	0.000				0.025	0.000	7.383	0.00	10.77
90.00	Safety Cable	Yes	5.00	0.000		1.08	0.00 0.00	0.025	0.000	7.383	0.00	25.65
90.00	Step bolts (ladder)	Yes	5.00	0.000		1.18	0.00	0.025	0.000	7.467	0.00	10.86
95.00	Safety Cable	Yes	5.00	0.000		1.08	0.00	0.025	0.000	7.467	0.00	25.76
95.00	Step bolts (ladder)	Yes	5.00	0.000		1.19	0.00	0.025	0.000	7.549	0.00	10.95
100.00	Safety Cable	Yes	5.00	0.000		1.09 1.19	0.00	0.026	0.000	7.549	0.00	25.86
100.00		Yes	5.00	0.000			0.00	0.027	0.000	7.626	0.00	11.03
105.00	Safety Cable	Yes	5.00	0.000	0.38	1.09	0.00	0.021	0.000			

Linear Appurtenance Segment Forces (Factored)

Structure: CT02722-S **Code**: TIA-222-H 7/7/2023

Site Name:WaterburyExposure:CHeight:158.00 (ft)Crest Height:0.00

Base Elev: 0.000 (ft) Site Class: D - Stiff Soil

Gh: 1.1 Topography: 1 Struct Class: II

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

Dead Load Factor 1.20 Wind Load Factor 1.00



Iterations

SBA

ons 22

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Са	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
105.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.20	0.00	0.027	0.000	7.626	0.00	25.96
110.00		Yes	5.00	0.000	0.38	1.10	0.00	0.028	0.000	7.702	0.00	11.11
110.00		Yes	5.00	0.000	0.63	1.20	0.00	0.028	0.000	7.702	0.00	26.06
112.00	Safety Cable	Yes	2.00	0.000	0.38	0.44	0.00	0.029	0.000	7.731	0.00	4.46
112.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.48	0.00	0.029	0.000	7.731	0.00	10.44
113.50	Safety Cable	Yes	1.50	0.000	0.38	0.33	0.00	0.029	0.000	7.752	0.00	3.35
113.50	Step bolts (ladder)	Yes	1.50	0.000	0.63	0.36	0.00	0.029	0.000	7.752	0.00	7.84
115.00	Safety Cable	Yes	1.50	0.000	0.38	0.33	0.00	0.029	0.000	7.774	0.00	3.36
115.00	Step bolts (ladder)	Yes	1.50	0.000	0.63	0.36	0.00	0.029	0.000	7.774	0.00	7.85
118.00	Safety Cable	Yes	3.00	0.000	0.38	0.66	0.00	0.030	0.000	7.816	0.00	6.74
118.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.73	0.00	0.030	0.000	7.816	0.00	15.73
120.00	Safety Cable	Yes	2.00	0.000	0.38	0.44	0.00	0.030	0.000	7.844	0.00	4.51
120.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.48	0.00	0.030	0.000	7.844	0.00	10.50
125.00	Safety Cable	Yes	5.00	0.000	0.38	1.11	0.00	0.031	0.000	7.912	0.00	11.34
125.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.21	0.00	0.031	0.000	7.912	0.00	26.33
127.00	Safety Cable	Yes	2.00	0.000	0.38	0.44	0.00	0.031	0.000	7.938	0.00	4.55
127.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.49	0.00	0.031	0.000	7.938	0.00	10.55
130.00	Safety Cable	Yes	3.00	0.000	0.38	0.67	0.00	0.032	0.000	7.977	0.00	6.84
130.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.73	0.00	0.032	0.000	7.977	0.00	15.85
135.00	Safety Cable	Yes	5.00	0.000	0.38	1.12	0.00	0.033	0.000	8.041	0.00	11.47
135.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.22	0.00	0.033	0.000	8.041	0.00	26.50
137.00	Safety Cable	Yes	2.00	0.000	0.38	0.45	0.00	0.034	0.000	8.066	0.00	4.60
137.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.49	0.00	0.034	0.000	8.066	0.00	4.60 10.61
140.00	Safety Cable	Yes	3.00	0.000	0.38	0.67	0.00	0.035	0.000	8.103	0.00	6.92
140.00	Step boits (ladder)	Yes	3.00	0.000	0.63	0.74	0.00	0.035	0.000	8.103	0.00	6.92 15.95
145.00	Safety Cable	Yes	5.00	0.000	0.38	1.12	0.00	0.036	0.000	8.163	0.00	11.60
145.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.23	0.00	0.036	0.000	8.163	0.00	26.66
148.00	Safety Cable	Yes	3.00	0.000	0.38	0.68	0.00	0.037	0.000	8.198	0.00	
148.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.74	0.00	0.037	0.000	8.198		6.98
150.00	Safety Cable	Yes	2.00	0.000	0.38	0.45	0.00	0.038	0.000	8.221	0.00 0.00	16.02
150.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.49	0.00	0.038	0.000	8.221		4.67
155.00	Safety Cable	Yes	5.00	0.000	0.38	1.13	0.00	0.038	0.000	8.278	0.00	10.69
155.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.24	0.00	0.039	0.000	8.278	0.00	11.72
158.00	Safety Cable	Yes	3.00	0.000	0.38	0.68	0.00	0.039	0.000	8.312	0.00	26.80
158.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.74	0.00	0.041	0.000	8.312	0.00	7.05
			00	0.000	0.00	0.74	0.00	0.041		_	0.00	16.11
									Tota	als:	0.0	1,117.2

Calculated Forces

CT02722-S Structure:

Code:

TIA-222-H

7/7/2023

Site Name: Waterbury

Exposure:

C

Height:

158.00 (ft)

Crest Height: 0.00

SBA

Base Elev: 0.000 (ft)

Gh:

1.1

Topography: 1

D - Stiff Soil Site Class: Struct Class: ||

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Iterations

22

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

1.20 **Dead Load Factor Wind Load Factor** 1.00

Seg Elev	Pu FY (-)	Vu FX (-)	Tu MY (-)	Mu MZ	Mu MX	Resultant Moment	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
(ft)	(kips)			(ft-kips)		(ft-kips) 1247.16	6641.65	1656.57	8175.13	8123.90	0.00	0.000	0.000	0.166
0.00	-81.23	-10.72	0.00	-1247.1	0.00	1193.56	6549.09	1623.15	7848.62	7847.74	0.02	-0.041	0.000	0.164
5.00	-78.76	-10.60	0.00	-1193.5	0.00	1140.54	6454.83	1589.73	7528.76	7574.18	0.09	-0.083	0.000	0.162
10.00	-76.32	-10.49	0.00	-1140.5	0.00	1088.11	6358.86	1556.31	7215.55	7303.35	0.20	-0.125	0.000	0.161
15.00	-73.91	-10.37	0.00	-1088.1	0.00	1036.25	6261.18	1522.89	6908.99	7035.38	0.35	-0.169	0.000	0.159
20.00	-71.53	-10.25	0.00	-1036.2	0.00	985.01	6161.80	1489.47	6609.09	6770.39	0.55	-0.213	0.000	0.157
25.00	-69.19	-10,11	0.00	-985.01	0.00	934.44	6060.71	1456.05	6315.85	6508.52	0.80	-0.257	0.000	0.155
30.00	-66.89	-9.98	0.00	-934.44	0.00 0.00	884.56	5957.92	1422.64	6029.26	6249.90	1.09	-0.302	0.000	0.152
35.00	-64.63	-9.83	0.00	-884.56	0.00	850.17	5884.95	1399.24	5832.60	6070.85	1.33	-0.335	0.000	0.151
38.50	-63.07	-9.71	0.00	-850.17	0.00	835.60	5853.42	1389.22	5749.32	5994.64	1.43	-0.349	0.000	0.150
40.00	-62.00	-9.69	0.00	-835.60	0.00	787.17	4462.52	1122.23	4617.06	4551.53	1.82	-0.395	0.000	0.186
45.00	-58.50	-9.52	0.00	-787.17	0.00	739.56	4388.93	1095.08	4396.31	4367.27	2.26	-0.442	0.000	0.182
50.00	-56.63	-9.37	0.00	-739.56 -692.69	0.00	692.69	4313.64	1067.92	4180.97	4185.02	2.76	-0.497	0.000	0.178
55.00	-54.79	-9.22		-646.58		646.58	4236.64	1040.76	3971.04	4004.90	3.31	-0.553	0.000	0.174
60.00	-53.00	-9.07	0.00	-601.21	0.00	601.21	4157.93	1013.61	3766.51	3827.04	3.92	-0.609	0.000	0.169
65.00	-51.23	-8.92		-556.61	0.00	556.61	4077.51	986.45	3567.39	3651.57	4.58	-0.665	0.000	0.165
70.00	-49.51	-8.77		-512.77	0.00	512.77	3995.39	959.30	3373.68	3478.62	5.31	-0.721	0.000	0.159
75.00	-47.83	-8.60	0.00	-486.95		486.95	3945.30	943.00	3260.05	3376.11	5.78	-0.756	0.000	0.156
78.00	-46.83	-8.51		-469.94	0.00	469.94	3911.57	932.14	3185.38	3308.31	6.10	-0.779	0.000	0.154
80.00	-45.83	-8.45		-440.37	0.00	440.37	2771.30	714.83	2435.60	2342.24	6.68	-0.819	0.000	0.204
83.50	-44.11	-8.32		-427.88		427.88	2755.69	708.57	2393.09	2308.47	6.94	-0.836	0.000	0.201
85.00	-43.70	-8.30	• • • •	-386.41	0.00	386.41	2702.54	687.68	2254.08	2196.71	7.86	-0.905	0.000	0.192
90.00	-42.34	-8.15		-345.66		345.66	2647.69	666.79	2119.23	2086.24	8.84	-0.972	0.000	0.181
95.00	-41.02	-8.00		-305.64		305.64	2591.13	645.91	1988.55	1977.20	9.89	-1.038	0.000	0.170
100.00	-39.73	-7.86 -7.71	0.00	-266.36		266.36	2532.86	625.02	1862.02	1869.72	11.02	-1.101	0.000	0.158
105.00	-38.47	-7.71 -7.55		-200.80		227.82	2472.89	604.13	1739.65	1763.92	12.20	-1.162	0.000	0.144
110.00	-37.25	-7.55 -7.44		-212.72		212.72	2448.42	595.78	1691.86	1722.10	12.69	-1.186	0.000	0.139
112.00	-36.71	-7.4 4 -7.40		-201.56		201.56	2429.89	589.51	1656.46	1690.93	13.07	-1.203	0.000	0.134
113.50	-36.35 -35.83	-7.40		-190.46		190.46	2411.21	583.25	1621.44	1659.93	13.45	-1.221	0.000	0.130
115.00	-34.80	-7.25		-168.40		168.40	1790.62	464.40	1284.99	1229.14	14.23		0.000	0.157
118.00	-34.38	-7.23 -7.21	•	-153.89		153.89	1774.20	457.72	1248.27	1200.21	14.76	-1.274	0.000	0.148
120.00	-34.30	-7.21		-117.86		117.86	1731.94	441.01	1158.79	1128.53	16.12	-1.328	0.000	0.124
125.00		-5.79		-103.76		103.76	1714.56	434.33	1123.93	1100.14	16.68	-1.348	0.000	0.110
127.00	-27.00 -26.43	-5.78 -5.71		-86.38		86.38	1687.98	424.30	1072.64	1057.88	17.54	-1.375	0.000	0.097
130.00	-25.50	-5.71 -5.55		-57.86		57.86	1642.31	407.59	989,82	988.40	19.00	-1.411	0.000	0.074
135.00	-25.50	-3.30		-46.76		46.76	1623.56	400.91	957.63	960.96	19.59	-1.423	0.000	0.058
137.00		-3.21		-36.87		36.87	1594.93	390.88	910.33	920.20	20.49		0.000	0.049
140.00	-14.78	-3.21		-20.83		20.83	1545.85	374.17	834.16	853.42	22.01	-1.456	0.000	0.034
145.00	-14.00 -5.70	-3.05 -1.26		-11.67		11.67	1515.59	364.15	790.06	814.09	22.93	-1.463	0.000	0.018
148.00		-1.20				9.16	1495.07	357.46	761.33	788.19	23.54		0.000	0.015
150.00	-5.44	-1.20		-3.16		3.16	1442.53	340.75	691.81	724.60	25.08		0.000	800.0
155.00	-4.79					0.00	1400.09	330.73	651.70	682.38	26.00	-1.473	0.000	0.000
158.00	0.00	-0.93	0.00	0.00	. 0.00									

Seismic Segment Forces (Factored)

Structure: CT02722-S

Height:

Site Name: Waterbury 158.00 (ft)

Code: Exposure:

С Crest Height: 0.00

Site Class: D - Stiff Soil

0.35

Base Elev: 0.000 (ft) Gh:

1.1 Topography: 1 Struct Class: ||

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7/7/2023

Load Case: 1.2D + 1.0Ev + 1.0Eh

Gust Response Factor

1.10

1.20 Seismic Load Factor

Sds 0.20 1.00

TIA-222-H

\$d1 0.09 **Iterations** 20 0.19 Ss **S1** 0.05

SBA

Dead Load Factor Wind Load Factor

0.00 Structure Frequency (f1)

\$A

0.03 Seismic Importance Factor 1.00

Top Elev			18/		Vertical	Lateral	
(ft)	Description		Wz (lb)	Hz (ib)	Ev (lb)	Fs (Ib)	R: 1.50
0.00			0.00	0.00	0.00	0.00	
5.00			1818.0	2.50	73.69	0.01	
10.00			1785.6	7.50	72.38	0.12	
15.00			1753.2	12.50	71.06	0.32	
20.00			1720.8	17.50	69.75	0.61	
25.00	V		1688.4	22.50	68.44	0.97	
30.00			1656.0	27.50	67.12	1.39	
35.00			1623.6	32.50	65.81	1.86	
38.50	Bot - Section 2		1117.2	36.75	45.29	1.13	
40.00			809.43	39.25	32.81	0.68	
45.00	Top - Section 1		2659.9	42.50	107.82	8.56	
50.00			1303.0	47.50	52.82	2.57	
55.00			1276.7	52.50	51.75	3.01	
60.00			1250.3	57.50	50.68	3.46	
65.00			1224.0	62.50	49.61	3.92	
70.00			1197.7	67.50	48.55	4.38	
75.00			1171.3	72.50	47.48	4.83	
78.00	Bot - Section 3		690.20	76.50	27.98	1.87	
80.00			739.36	79.00	29.97	2.29	
83.50	Top - Section 2		1275.9	81.75	51.72	7.29	
85.00			275.46	84.25	11.17	0.36	
90.00			905.04	87.50	36.68	4.20	
95.00			884.79	92.50	35.86	4.49	
100.00			864.54	97.50	35.04	4.76	
105.00			844.29	102.50	34.22	5.02	
110.00			824.04	107.50	33.40	5.26	
112.00	Appurtenance(s)		348.95	111.00	14.14	1.00	
113.50	Bot - Section 4		240.55	112.75	9.75	0.49	
115.00			377.43	114.25	15.30	1.25	
118.00	Top - Section 3		745.03	116.50	30.20	5.05	
120.00			269.70	119.00	10.93	0.69	
125.00			662.92	122.50	26.87	4.42	
127.00	Appurtenance(s)		3401.8	126.00	137.89	123.06	
130.00			371.20	128.50	15.05	1.52	
135.00			605.70	132.50	24.55	4.31	
137.00	Appurtenance(s)		5261.5	136.00	213.27	342.96	
140.00			295.02	138.50	11.96	1.12	
145.00			478.75	142.50	19.41	3.12	
148.00	Appurtenance(s)		4153.5	146.50	168.36	248.00	
150.00			150.34	149.00	6.09	0.34	
155.00			364.51	152.50	14.77	2.07	
158.00	Appurtenance(s)		2570.0	156.50	104.17	108.35	
		Totals:	51,656.3		2,093.8	921.1	Total Wind: 38,859.9

Calculated Forces

Structure: CT02722-S **Code**: TIA-222-H 7/7/2023

Site Name: Waterbury Exposure: C
Height: 158.00 (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



Load Case: 1.2D + 1.0Ev +	1.0Eh				Y	Iterations	20
	1.10		Sds	0.20	X	Ss	0.19
Dead Load Factor	1.20 Seismic Load Factor	1.00	Sd1	0.09	2	S1	0.05
Wind Load Factor	0.00 Structure Frequency (f1)	0.35	SA	0.03	Seismic Importa	nce Factor	1.00

Seg	Pu	Vu	Tu	Mu	Mu	Resultant Moment	phi Pn	phi Vn	phi Tn	phi Mn	Total Deflect	Rotation Sway	Rotation Twist	Stress
Elev	FY (-)	FX (-)	MY (-)	MZ (ft-kips)	MX (ft-kips)	(ft-kips)	(kips)	(kips)	(ft-kips)	(ft-kips)	(in)	(deg)	(deg)	Ratio
(ft)	(kips)	-0.92	0.00	-130.86	0.00	130.86	6641.65	1656.57	8175.13	8123.90		0.00	0.00	0.026
0.00	-62.78	-0.92	0.00	-126.25	0.00	126.25	6549.09	1623.15	7848.62	7847.74		0.00	0.00	0.025
5.00	-60.57		0.00	-120.23	0.00	121.61	6454.83	1589.73	7528.76	7574.18		0.01	-0.01	0.025
10.00	-58.40	-0.93 -0.94	0.00	-116.95	0.00	116.95	6358.86	1556.31	7215.55	7303.35		0.02	-0.01	0.025
15.00	-56.27		0.00	-112.28	0.00	112.28	6261.18	1522.89	6908.99	7035.38		0.04	-0.02	0.025
20.00	-54.19	-0.94	0.00	-112.26	0.00	107.59	6161.80	1489.47	6609.09	6770.39		0.06	-0.02	0.024
25.00	-52.14	-0.94	0.00	-107.59	0.00	102.88	6060.71	1456.05	6315.85	6508.52		0.09	-0.03	0.024
30.00	-50.13	-0.94	0.00	-98.17	0.00	98.17	5957.92	1422.64	6029.26	6249.90		0.12	-0.03	0.024
35.00	-48.16	-0.94		-94.86	0.00	94.86	5884.95	1399.24	5832.60	6070.85		0.14	-0.04	0.024
38.50	-46.81	-0.94	0.00	-93.45	0.00	93.45	5853.42	1389.22	5749.32	5994.64		0.15	-0.04	0.023
40.00	-45.81	-0.95	0.00	-88.72	0.00	88.72	4462.52	1122.23	4617.06	4551.53		0.20	-0.04	0.029
45.00	-42.56	-0.94	0.00	-84.03	0.00	84.03	4388.93	1095.08	4396.31	4367.27		0.24	-0.05	0.029
50.00	-40.99	-0.94	0.00		0.00	79.33	4313.64	1067.92	4180.97	4185.02		0.30	-0.05	0.028
55.00	-39.45	-0.94	0.00	-79.33 -74.64	0.00	74.64	4236.64	1040.76	3971.04	4004.90		0.36	-0.06	0.028
60.00	-37.95	-0.94	0.00		0.00	69.95	4157.93	1013.61	3766.51	3827.04		0.43	-0.07	0.027
65.00	-36.47	-0.94	0.00	-69.95 -65.26	0.00	65.26	4077.51	986.45	3567.39	3651.57		0.50	-0.07	0.026
70.00	-35.03	-0.93	0.00	-60.59	0.00	60.59	3995.39	959.30	3373.68	3478.62		0.58	-0.08	0.026
75.00	-33.63	-0.93	0.00		0.00	57.80	3945.30	943.00	3260.05	3376.11		0.63	-0.08	0.025
78.00	-32.80	-0.93	0.00	-57.80	0.00	55.94	3911.57	932.14	3185.38	3308.31		0.67	-0.09	0.025
80.00	-31.90	-0.93	0.00	-55.94	0.00	52.69	2771.30	714.83	2435.60	2342.24		0.74	-0.09	0.033
83.50	-30.35	-0.92	0.00	-52.69	0.00	51.31	2755.69	708.57	2393.09	2308.47		0.76	-0.09	0.033
85.00	-30.02	-0.92		-51.31	0.00	46.70	2702.54	687.68	2254.08	2196.71		0.87	-0.10	0.032
90.00	-28.94	-0.92		-46.70		42.10	2647.69	666.79	2119.23	2086.24		0.98	-0.11	0.031
95.00	-27.89	-0.92		-42.10	0.00	37.51	2591.13	645.91	1988.55	1977.20		1.10	-0.12	0.029
100.00	-26.86	-0.91	0.00	-37.51	0.00	32.93	2532.86	625.02	1862.02	1869.72		1.23	-0.13	0.028
105.00	-25.86	-0.91	0.00	-32.93	0.00	28.38	2472.89	604.13	1739.65	1763.92		1.37	-0.13	0.026
110.00	-24.88	-0.91	0.00	-28.38	0.00	26.56	2448.42	595.78	1691.86	1722.10		1.42	-0.14	0.025
112.00	-24.47	-0.91	0.00	-26.56	0.00	25.21	2429.89	589.51	1656.46	1690.93		1.47	-0.14	0.025
113.50	-24.18	-0.90		-25.21	0.00 0.00	23.85	2411.21	583.25	1621.44	1659.93		1.51	-0.14	0.024
115.00	-23.73	-0.90		-23.85	0.00	21.14	1790.62	464.40	1284.99	1229.14		1.60	-0.15	0.030
118.00	-22.83	-0.90		-21.14		19.34	1774.20	457.72	1248.27	1200.21		1.66	-0.15	0.029
120.00	-22.52	-0.90		-19.34	0.00	14.85	1731.94	441.01	1158.79	1128.53		1.82	-0.15	0.026
125.00	-21.74	-0.89		-14.85	0.00	13.06	1714.56	434.33	1123.93	1100.14		1.89	-0.16	0.022
127.00	-17.54	-0.76		-13.06	0.00		1687.98	424.30	1072.64	1057.88		1.99	-0.16	0.020
130.00	-17.10	-0.76		-10.78	0.00	10.78	1642.31	407.59	989.82	988.40		2.16	-0.17	0.017
135.00	-16.39	-0.75		-6.99	0.00	6.99	1623.56	400.91	957.63	960.96		2.23	-0.17	0.012
137.00	-9.88	-0.39		-5.48	0.00	5.48	1594.93	390.88	910.33	920.20		2.33	-0.17	0.011
140.00	-9.53	-0.39		-4.31	0.00	4.31		374.17	834.16	853.42		2.51	-0.17	0.009
145.00	-8.95	-0.39		-2.36	0.00	2.36	1545.85	364.17	790.06	814.09		2.62	-0.17	0.004
148.00	-3.82	-0.12		-1.20	0.00	1.20	1515.59		761.33	788.19		2.69	-0.17	0.004
150.00	-3.63	-0.12		-0.96	0.00	0.96	1495.07	357.46	691.81	724.60		2.87	-0.17	0.003
155.00	-3.18	-0.12		-0.35	0.00	0.35	1442.53	340.75	651.70	682.38		2.98	-0.17	0.000
158.00	0.00	-0.11	0.00	0.00	0.00	0.00	1400.09	330.73	031.70	002,30		2.00	0.17	2.223

Seismic Segment Forces (Factored)

Structure: CT02722-S **Code**: TIA-222-H 7/7/2023

 Site Name:
 Waterbury
 Exposure:
 C

 Height:
 158.00 (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

Load Case: 0.9D + 1.0Ev + 1.0Eh **Iterations** 20 **Gust Response Factor** Sds 0.20 Ss 0.19 **Dead Load Factor** 0.90 Seismic Load Factor 0.09 1.00 Sd1 S1 0.05 **Wind Load Factor** 0.00 Structure Frequency (f1) 0.35 SA 0.03 Seismic Importance Factor 1.00

Top					Vertical	Lateral		
Elev			Wz	Hz	Ev	Fs		
(ft)	Description		(lb)	(lb)	(lb)	(lb)		R: 1.50
0.00			0.00	0.00	0.00	0.00		
5.00			1760.9	2.50	71.38	0.01		
10.00			1728.5	7.50	70.06	0.11		
15.00			1696.1	12.50	68.75	0.31		
20.00			1663.7	17.50	67.44	0.58		
25.00			1631.3	22.50	66.12	0.92		
30.00			1598.9	27.50	64.81	1.32		
35.00			1566.5	32.50	63.50	1.77		
38.50	Bot - Section 2		1077.3	36.75	43.67	1.07		
40.00			792.31	39.25	32.12	0.66		
45.00	Top - Section 1		2602.8	42.50	105.50	8.34		
50.00			1245.9	47.50	50.50	2.39		
55.00			1219.6	52.50	49.44	2.80		
60.00			1193.3	57.50	48.37	3.21		
65.00			1166.9	62.50	47.30	3.63		
70.00			1140.6	67.50	46.23	4.04		
75.00			1114.3	72.50	45.17	4.45		
78.00	Bot - Section 3		655.96	76.50	26.59	1.72		
80.00			716.53	79.00	29.04	2.18		
83.50	Top - Section 2		1236.0	81. 7 5	50.10	6.96		
85.00			258.34	84.25	10.47	0.32		
90.00			847.98	87.50	34.37	3.75		
95.00			827.73	92.50	33.55	4.00		
100.00			807.48	97.50	32.73	4.23		
105.00			787.23	102.50	31.91	4.44		
110.00			766.98	107.50	31.09	4.64		
112.00	Appurtenance(s)		326.12	111.00	13.22	0.89		
113.50	Bot - Section 4		223.50	112.75	9.06	0.43		
115.00			360.39	114.25	14.61	1.16		
118.00	Top - Section 3		710.94	116.50	28.82	4.68		
120.00			246.98	119.00	10.01	0.59		
125.00			606.10	122.50	24.57	3.76		
127.00	Appurtenance(s)		3379.1	126.00	136.97	123.61		
130.00			340.83	128.50	13.81	1.31		
135.00			555.09	132.50	22.50	3.69		
137.00	Appurtenance(s)		5241.3	136.00	212.45	346.45		
140.00			278.84	138.50	11.30	1.02		
145.00			451.77	142.50	18.31	2.83		
148.00	Appurtenance(s)		4137.3	146.50	167.70	250.50		
150.00			147.73	149.00	5.99	0.33		
155.00			357.99	152.50	14.51	2.03		
158.00	Appurtenance(s)		2566.0	156.50	104.01_	109.97		
		Totals:	50,034.1		2,028.0	921.1	Total Wind:	38,859.9

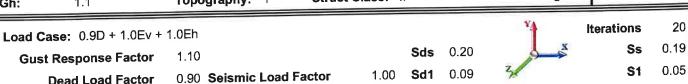
Calculated Forces

Structure: CT02722-S **Code**: TIA-222-H 7/7/2023

Site Name: Waterbury Exposure: C
Height: 158.00 (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



Dead Load Factor 0.90 Seismic Load Factor 1.00 Sd1 0.09 W 51 0.00

Wind Load Factor 0.00 Structure Frequency (f1) 0.35 SA 0.03 Seismic Importance Factor 1.00

SBA

	Wine	d Load	Facto	r 0.0	U Struct	ure riequein	cy (i i/	0.00	-	30.0.	_			
Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-)	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)	Twist (deg)	Stress Ratio
0.00	-47.55	-0.92		-129.79	0.00	129.79	6641.65	1656.57	8175.13	8123.90		0.00	0.00	0.023
5.00	-47.55 -45.87	-0.92		-125.18	0.00	125.18	6549.09	1623.15	7848.62	7847.74		0.00	0.00	0.023
	-44.23	-0.93		-120.55	0.00	120.55	6454.83	1589.73	7528.76	7574.18		0.01	-0.01	0.023
10.00 15.00	-44.23 -42.62	-0.93		-115.91	0.00	115.91	6358.86	1556.31	7215.55	7303.35		0.02	-0.01	0.023
20.00	-42.02 -41.03	-0.93		-111.25	0.00	111.25	6261.18	1522.89	6908.99	7035.38		0.04	-0.02	0.022
25.00	-39.48	-0.94		-106.59	0.00	106.59	6161.80	1489.47	6609.09	6770.39		0.06	-0.02	0.022
	-37.96	-0.94	•	-101.91	0.00	101.91	6060.71	1456.05	6315.85	6508.52		80.0	-0.03	0.022
30.00 35.00	-36.47	-0.94		-97.22	0.00	97.22	5957.92	1422.64	6029.26	6249.90		0.12	-0.03	0.022
	-35.45	-0.94		-93.94	0.00	93.94	5884.95	1399.24	5832.60	6070.85		0.14	-0.04	0.021
38.50	-34.70	-0.94		-92.54	0.00	92.54	5853.42	1389.22	5749.32	5994.64		0.15	-0.04	0.021
40.00	-32.23	-0.93		-87.85	0.00	87.85	4462.52	1122.23	4617.06	4551.53		0.19	-0.04	0.027
45.00	-32.23 -31.04	-0.93		-83.20	0.00	83.20	4388.93	1095.08	4396.31	4367.27		0.24	-0.05	0.026
50.00	-29.88	-0.93		-78.55	0.00	78.55	4313.64	1067.92	4180.97	4185.02		0.30	-0.05	0.026
55.00	-29.00	-0.93		-73.90	0.00	73.90	4236.64	1040.76	3971.04	4004.90		0.36	-0.06	0.025
60.00	-27.62	-0.93		-69.25	0.00	69.25	4157.93	1013.61	3766.51	3827.04		0.42	-0.07	0.025
65.00	-21.62 -26.53	-0.92		-64.62	0.00	64.62	4077.51	986.45	3567.39	3651.57		0.50	-0.07	0.024
70.00	-25.47	-0.92		-60.00	0.00	60.00	3995.39	959.30	3373.68	3478.62		0.58	-0.08	0.024
75.00	-25.47 -24.84	-0.92		-57.23	0.00	57.23	3945.30	943.00	3260.05	3376.11		0.63	-0.08	0.023
78.00	-24.04	-0.92		-55.39	0.00	55.39	3911.57	932.14	3185.38	3308.31		0.66	-0.09	0.023
80.00		-0.92		-52.18	0.00	52.18	2771.30	714.83	2435.60	2342.24		0.73	-0.09	0.031
83.50	-22.98	-0.91		-50.81	0.00	50.81	2755.69	708.57	2393.09	2308.47		0.76	-0.09	0.030
85.00	-22.74	-0.91		-46.25	0.00	46.25	2702.54	687.68	2254.08	2196.71		0.86	-0.10	0.029
90.00	-21.92	-0.91		-41.70	0.00	41.70	2647.69	666.79	2119.23	2086.24		0.97	-0.11	0.028
95.00	-21.13 -20.35	-0.90		-37.16	0.00	37.16	2591.13	645.91	1988.55	1977.20		1.09	-0.12	0.027
100.00		-0.90		-32.64	0.00	32.64	2532.86	625.02	1862.02	1869.72		1.22	-0.13	0.025
105.00	-19.59	-0.90		-28.13	0.00	28.13	2472.89	604.13	1739.65	1763.92		1.35	-0.13	0.024
110.00	-18.85	-0.90		-26.33		26.33	2448.42	595.78	1691.86	1722.10		1.41	-0.14	0.023
112.00	-18.54	-0.90		-24.99		24.99	2429.89	589.51	1656.46	1690.93		1.45	-0.14	0.022
113.50	-18.32	-0.89		-23.65		23.65	2411.21	583.25	1621.44	1659.93		1.50	-0.14	0.022
115.00	-17.98			-20.96		20.96	1790.62	464.40	1284.99	1229.14		1.59	-0.14	0.027
118.00	-17.30	-0.89 -0.89		-19.18		19.18	1774.20	457.72	1248.27	1200.21		1.65	-0.15	0.026
120.00	-17.06			-14.73		14.73	1731.94	441.01	1158.79	1128.53		1.80	-0.15	0.023
125.00	-16.47	-0.89		-12.96		12.96	1714.56	434.33	1123.93	1100.14		1.87	-0.16	0.020
127.00	-13.29	-0.75		-12.90		10.70	1687.98	424.30	1072.64	1057.88		1.97	-0.16	0.018
130.00	-12.96	-0.75		-6.94		6.94	1642.31	407.59	989.82	988.40		2.14	-0.16	0.015
135.00	-12.42	-0.75				5.44	1623.56	400.91	957.63	960.96		2.21	-0.17	0.010
137.00	-7.49	-0.39				4.27	1594.93	390.88	910.33	920.20		2.31	-0.17	0.009
140.00	-7.22	-0.39				2.34	1545.85	374.17	834,16	853.42		2.49	-0.17	0.007
145.00	-6.79	-0.38				1.19	1515.59	364.15	790.06	814.09		2.59	-0.17	0.003
148.00	-2.89	-0.12				0.95	1495.07	357.46	761.33	788.19		2.66	-0.17	0.003
150.00	-2.75	-0.12				0.35	1442.53	340.75		724.60		2.84	-0.17	0.002
155.00	-2.41	-0.12				0.00	1400.09	330.73	651.70	682.38		2.95	-0.17	0.000
158.00	0.00	-0.11	0.00	0.00	0.00	0.00	1-00.03	550.70	550					

Wind Loading - Shaft

Structure: CT02722-S Code: TIA-222-H 7/7/2023

Site Name: Waterbury Exposure: С Height: 158.00 (ft) Crest Height: 0.00

Base Elev: 0.000 (ft) Site Class: D - Stiff Soil

Gh: 1.1 Topography: 1 Struct Class: || SBA

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00 **Wind Load Factor** 1.00



iterations	22	

Elev					•		Ice				Wind	Dead	Tot Dead
(ft) Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Force X (lb)	Load Ice (Ib)	Load (lb)
0.00	1.00	0.85	6.532	7.19	278.08	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00	1.00	0.85	6.532	7.19	272.51	0.730	0.000	5.00	25.123	18.34	131.8	0.0	1589.8
10.00	1.00	0.85	6.532	7.19	266.95	0.730	0.000	5.00	24.616	17.97	129.1	0.0	1557.4
15.00	1.00	0.85	6.532	7.19	261.39	0.730	0.000	5.00	24.108	17.60	126.4	0.0	1525.0
20.00	1.00	0.90	6.931	7.62	263.52	0.730	0.000	5.00	23.600	17.23	131.3	0.0	1492.6
25.00	1.00	0.95	7.264	7.99	263.91	0.730	0.000	5.00	23.093	16.86	134.7	0.0	1460.2
30.00	1.00	0.98	7.548	8.30	263.05	0.730	0.000	5.00	22.585	16.49	136.9	0.0	1427.8
35.00	1.00	1.01	7.797	8.58	261.27	0.730	0.000	5.00	22.077	16.12	138.2	0.0	1395.4
38.50 Bot - Section 2	1.00	1.04	7.955	8.75	259.61	0.730	0.000	3.50	15.152	11.06	96.8	0.0	957.5
40.00	1.00	1.04	8.019	8.82	258.80	0.730	0.000	1.50	6.521	4.76	42.0	0.0	741.0
45.00 Top - Section 1	1.00	1.07	8.221	9.04	255.79	0.730	0.000	5.00	21.406	15.63	141.3	0.0	2431.7
50.00	1.00	1.09	8.405	9.25	256.61	0.730	0.000	5.00	20.898	15.26	141.0	0.0	1074.8
55.00	1.00	1.12	8.575	9.43	252.82	0.730	0.000	5.00	20.390	14.88	140.4	0.0	1048.5
60.00	1.00	1.14	8.734	9.61	248.72	0.730	0.000	5.00	19.883	14.51	139.4	0.0	1022.1
65.00	1.00	1.16	8.882	9.77	244.33	0.730	0.000	5.00	19.375	14.14	138.2	0.0	995.8
70.00	1.00	1.17	9.022	9.92	239.71	0.730	0.000	5.00	18.867	13.77	136.7	0.0	969.5
75.00	1.00	1.19	9.154	10.07	234.87	0.730	0.000	5.00	18.360	13.40	135.0	0.0	943.2
78.00 Bot - Section 3	1.00	1.20	9.230	10.15	231.87	0.730	0.000	3.00	10.772	7.86	79.8	0.0	553.3
80.00	1.00	1.21	9.279	10.21	229.84	0.730	0.000	2.00	7.186	5.25	53.5	0.0	648.1
83.50 Top - Section 2	1.00	1.22	9.363	10.30	226.22	0.730	0.000	3.50	12.379	9.04	93.1	0.0	1116.2
85.00	1.00	1.22	9.399	10.34	228.11	0.730	0.000	1.50	5.229	3.82	39.5	0.0	207.0
90.00	1.00	1.24	9.512	10.46	222.78	0.730	0.000	5.00	17.101	12.48	130.6	0.0	676.8
95.00	1.00	1.25	9.621	10.58	217.30	0.730	0.000	5.00	16.593	12.11	128.2	0.0	656.5
100.00	1.00	1.27	9.726	10.70	211.69	0.730	0.000	5.00	16.086	11.74	125.6	0.0	636.3
105.00	1.00	1.28	9.826	10.81	205.95	0.730	0.000	5.00	15.578	11.37	122.9	0.0	616.1
110.00	1.00	1.29	9.923	10.92	200.11	0.730	0.000	5.00	15.070	11.00	120.1	0.0	595.8
112.00 Appurtenance(s)	1.00	1.30	9.960	10.96	197.74	0.730	0.000	2.00	5.886	4.30	47.1	0.0	232.7
113.50 Bot - Section 4	1.00	1.30	9.988	10.99	195.95	0.730	0.000	1.50	4.361	3.18	35.0	0.0	172.4
115.00	1.00		10.016	11.02	194.16	0.730	0.000	1.50	4.379	3.20	35.2	0.0	309.3
118.00 Top - Section 3	1.00		10.071	11.08	190.54	0.730	0.000	3.00	8.621	6.29	69.7	0.0	608.7
120.00	1.00		10.106	11.12	190.99	0.730	0.000	2.00	5.646	4.12	45.8	0.0	178.8
125.00	1.00	1.33	10.193	11.21	184.86	0.730	0.000	5.00	13.759	10.04	112.6	0.0	435.6
127.00 Appurtenance(s)	1.00		10.228	11.25	182.39	0.730	0.000	2.00	5.361	3.91	44.0	0.0	169.7
130.00	1.00		10.278	11.31	178.65	0.730	0.000	3.00	7.890	5.76	65.1	0.0	249.7
135.00	1.00	1.35	10.360	11.40	172.36	0.730	0.000	5.00	12.743	9.30	106.0	0.0	403.2
137.00 Appurtenance(s)	1.00		10.392	11.43	169.82	0.730	0.000	2.00	4.955	3.62	41.4	0.0	156.8
140.00	1.00		10.440	11.48	165.98	0.730	0.000	3.00	7.281	5.31	61.0	0.0	230.3
145.00	1.00	1.37	10.517	11.57	159.54	0.730	0.000	5.00	11.728	8.56	99.0	0.0	370.8
148.00 Appurtenance(s)	1.00	1.37	10.562	11.62	155.64	0.730	0.000	3.00	6.793	4.96	57.6	0.0	214.7
150.00	1.00	1.38	10.592	11.65	153.03	0.730	0.000	2.00	4.427	3.23	37.7	0.0	139.9
155.00	1.00	1.39	10.666	11.73	146.45	0.730	0.000	5.00	10.713	7.82	91.7	0.0	338.4
158.00 Appurtenance(s)	1.00	1.39	10.709	11.78	142.47	0.730	0.000	3.00	6.184	4.51	53.2	0.0	195.3
							Totals:	158.00			3,934.9		30,744.2

Discrete Appurtenance Forces

CT02722-S Structure:

Code:

TIA-222-H

7/7/2023

Site Name: Waterbury

Exposure:

Height:

158.00 (ft)

C Crest Height: 0.00

SBA

Base Elev: 0.000 (ft)

Site Class:

D - Stiff Soil

Page: 32

Gh:

Topography: 1

Struct Class: ||

22 **Iterations**

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00 1.00 Wind Load Factor

					٥.	Orient		Total CaAa	Dead Load	Horiz Ecc	Vert Ecc	Wind FX	Mom Y	Mom Z
No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Factor x Ka	Ka	(sf)	(lb)	(ft)	(ft)	(lb)	(lb-ft)	(lb-ft)
1		Fujitsu TA08025-B604	3	10.709	11.780	0.68	0.90	4.02	191.79	0.000	0.000	47.38	0.00	0.00
2		Fujitsu TA08025-B605	3	10.709	11.780	0.72	0.90	4.23	224.88	0.000	0.000	49.87	0.00	0.00
3		Commscope	1	10.709	11.780	1.00	1.00	34.24	1727.00	0.000	0.000	403.34	0.00	0.00
4		JMA MX08FRO665-21	3	10.709	11.780	0.66	0.90	24.62	193.50	0.000	0.000	289.99	0.00	0.00
5		Raycap	1	10.709	11.780	0.90	0.90	1.81	21.90	0.000	0.000	21.31	0.00	0.00
6		Low Profile Platform	1	10.562	11.619	1.00	1.00	24.04	1645.00	0.000	0.000	279.31	0.00	0.00
7		JMA MX06FRO660-03	6	10.562	11.619	0.65	0.75	38.64	360.00	0.000	0.000	448.96	0.00	0.00
8		Samsung MT6407-77A	1	10.562	11.619	0.52	0.75	2.47	87.10	0.000	0.000	28.67	0.00	0.00
9		Samsung MT407-77A	2	10.562	11.619	0.52	0.75	4.93	174.20	0.000	0.000	57.34	0.00	0.00
10		Andrew DB844G65ZAXY	6	10.562	11.619	0.69	0.75	17.97	72.00	0.000	0.000	208.76	0.00	0.00
11		Kaelus BSF0020F3V1-1	4	10.562	11.619	0.49	0.75	1.87	70.40	0.000	0.000	21.75	0.00	0.00
12		Samsung RF4440D-13a	3	10.562	11.619	0.60	0,75	3.38	210.99	0.000	0.000	39.32	0.00	0.00
13		Samsung RF4439D-25A	3	10.562	11.619	0.62	0.75	3.51	224.10	0.000	0.000	40.79	0.00	0.00
14		Raycap	1	10.562	11.619	1.00	1.00	4.06	32.00	0.000	0.000	47.17	0.00	0.00
15		RFS FD9R6004/2C-3L	6	10.562	11.619	0.48	0.75	0.89	18.60	0.000	0.000	10.37	0.00	0.00
16		VZWSMART-PLK6	1	10.562	11.619	1.00	1.00	10.00	329.00	0.000	0.000	116.19	0.00	0.00
17		VZWSMART-PLK7	1	10.562	11.619	1.00	1.00	2.25	136.70	0.000	0.000	26.14	0.00	0.00
18		VZWSMART-PLK3	1	10.562	11.619	1.00	1.00	12.25	514.00	0.000	0.000	142.33	0.00	0.00
19		Kaelus DBC0037F1V2-1 -	6	10.392	11.431	0.53	0.75	1.05	39.60	0.000	0.000	12.05	0.00	0.00
		Ericsson B14 4478	3	10.392	11.431	0.58	0.75	2.90	180.00	0.000	0.000	33.10	0.00	0.00
20		Kaelus DBC0061F1V51-2	6	10.392	11.431	0.73	0.75	1.90	109.80	0.000	0.000	21.68	0.00	0.00
21 22		Kathrein 800 10965	3	10.392	11.431	0.53	0.75	22.06	177.30	0.000	0.000	252.19	0.00	0.00
23		Ericsson RRUS 32 B2	3	10.392	11.431	0.50	0.75	4.13	159.00	0.000	0.000	47.22	0.00	0.00
		Ericsson RRUS-12	3	10.392		0.52	0.75	4.96	174.00	0.000	0.000	56.71	0.00	0.00
24		Quintel QD6616-7	3	10.392	11.431	0.56	0.75	22.92	177.30	0.000	0.000	261.96	0.00	0.00
25		Ericsson AIR 6449 B77D	3	10.372	11,409	0.58	0.75	6.98	264.00	0.000	-1.250	79.66	0.00	-99.57
26 27		Ericsson AIR 6419 B77G	3	10.420	11.462	0.58	0.75	1.78	244.80	0.000	1.750	20.45	0.00	35.79
		Raycap DC6-48-60-18-8F	2	10.392	11.431	0.60	0.75	4.44	65.60	0.000	0.000	50.75	0.00	0.00
28		Platform w/ Hand Rails	1	10.392	11.431	1.00	1.00	51.70	2262.00	0.000	0.000	591.00	0.00	0.00
29		CCI DTMABP7819VG12A	6	10.392	11.431	0.50	0.75	2.95	114.00	0.000	0.000	33.78	0.00	0.00
30 31		Raycap	1	10.392	11.431	0.75	0.75	3.59	26.20	0.000	0.000	41.07	0.00	0.00
_		Ericsson RRUS-32	3	10.392	11.431	0.60	0.75	4.93	159.00	0.000	0.000	56.38	0.00	0.00
32		2 1/2" XS Pipe Mast	3	10.392	11.431	1.00	1.00	12.93	261.00	0.000	0.000	147.81	0.00	0.00
33		Ericsson RRUS E2 B29	3	10.392	11.431	0.52	0.75	4.96	180.00	0.000	0.000	56.71	0.00	0.00
34		Ericsson RRUS 4449	3	10.392	11.431	0.68	0.75	3.32	219.00	0.000	0.000	37.96	0.00	0.00
35		Ericsson RRUS 4426 B66	3	10.392	11.431	0.54	0.75	2.67	145.20	0.000	0.000	30.56	0.00	0.00
36			3	10.392	11,431	0.46	0.75	2.90	66.00	0.000	0.000	33.17	0.00	0.00
37		Ericsson RRU-A2	3	10.228	11.250	0.74	0.75	5.30	180.00	0.000	0.000	59.64	0.00	0.00
38		ALU 1900MHz	1	10.228	11.250		1.00	23.81	1588.50	0.000	0.000	267.87	0.00	0.00
39		Low Profile Platform w/	2	10.228	11.250		1.00	16.86	24.60	0.000	0.000	189.68	0.00	0.00
40		DragonWave	1	10.228			1.00	9.50	464.91	0.000	0.000	106.88	0.00	0.00
41		PRK-1245 Reinforcement	6	10.228			0.75	8.82	318.00	0.000	0.000	99.21	0.00	0.00
42		ALU 800 MHz	3	10.228			0.75	7.09	311.10	0.000	0.000	79.74	0.00	0.00
43		Nokia AAHC	3	10.228	11.250		0.75	20.43	254.10	0.000	0.000	229.84	0.00	0.00
44		Commscope	3 1		10.957		1.00	3.00	25.00	0.000	0.000	32.87	0.00	0.00
45	112.00	Nokia CS72188.01 Omni		5,500	10.507	1.00	Totals		14 423 17			5.208.92		N

Totals:

14,423.17

5,208.92

Total Applied Force Summary

Structure: CT02722-S

Code:

TIA-222-H

7/7/2023

Site Name: Waterbury

Exposure:

С

Height:

158.00 (ft)

Crest Height: 0.00

SBA

Base Elev: 0.000 (ft)

Gh:

1.1

Site Class: Topography: 1

D - Stiff Soil

Struct Class: II

Page: 33

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00 **Wind Load Factor** 1.00

Iterations

22

Elev		Lateral	Axial	Torsion	Moment
(ft)	Description	FX (-) (Ib)	FY (-) (lb)	MY (lb-ft)	MZ (lb-ft)
0.00	•	0.00	0.00		
5.00		131.77	1779.97	0.00	0.00
10.00		129.11	1747.57	0.00	0.00
15.00		126.45	1715.17	0.00	0.00
20.00		131.34	1682.77	0.00	0.00
25.00		134.70		0.00	0.00
30.00		134.70	1650.37	0.00	0.00
35.00		138.23	1617.97	0.00	0.00
38.50		96.79	1585.58	0.00	0.00
40.00			1090.63	0.00	0.00
		41.99	798.02	0.00	0.00
45.00		141.30	2621.90	0.00	0.00
50.00		141.05	1264.99	0.00	0.00
55.00		140.41	1238.66	0.00	0.00
60.00		139.45	1212.33	0.00	0.00
65.00		138.19	1186.01	0.00	0.00
70.00		136.69	1159.68	0.00	0.00
75.00		134.96	1133.35	0.00	0.00
78.00		79.84	667.38	0.00	0.00
80.00		53.54	724.14	0.00	0.00
83.50		93.08	1249.31	0.00	0.00
85.00		39.47	264.05	0.00	0.00
90.00		130.62	867.00	0.00	
95.00		128.20	846.75		0.00
100.00		125.62		0.00	0.00
105.00			826.50	0.00	0.00
110.00		122.92	806.25	0.00	0.00
112.00	(1) otto=b=======	120.08	786.00	0.00	0.00
	(1) attachments	79.95	333.73	0.00	0.00
113.50		34.98	229.18	0.00	0.00
115.00		35.22	366.07	0.00	0.00
118.00		69.71	722.30	0.00	0.00
120.00		45.82	254.55	0.00	0.00
125.00		112.62	625.04	0.00	0.00
127.00	(19) attachments	1076.89	3386.69	0.00	0.00
130.00		65.12	350.95	0.00	0.00
135.00		106.01	571.96	0.00	0.00
137.00	(61) attachments	1905.56	5248.05	0.00	-63.78
140.00		61.03	284.23	0.00	0.00
145.00		99.05	460.76	0.00	
148.00	(36) attachments	1524.72	4142.77		0.00
150.00	(50) attaorillonts	37.66		0.00	0.00
155.00			148.60	0.00	0.00
158.00	(11) attachments	91.75	360.16	0.00	0.00
100,00	• •	865.06	2567.39	0.00	0.00
	Totals:	9,143.82	50,574.80	0.00	-63.78

Linear Appurtenance Segment Forces (Factored)

CT02722-S Structure: Site Name: Waterbury

Code:

TIA-222-H

С

7/7/2023

Exposure:

Height:

158.00 (ft)

Crest Height: 0.00 Site Class: D - Stiff Soil

SBA

Iterations

Gh:

Base Elev: 0.000 (ft)

Topography: 1

Struct Class: ||

Page: 34

22

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor Wind Load Factor 1.00

1.00



Top Elev	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)
(ft)	Description		5.00	0.000	0.38	0.16	0.00	0.017	0.000	6.532	0.00	1.37
5.00	Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.017	0.000	6.532	0.00	10.40
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.38	0.16	0.00	0.017	0.000	6.532	0.00	1.37
10.00	Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.017	0.000	6.532	0.00	10.40
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.38	0.16	0.00	0.017	0.000	6.532	0.00	1.37
15.00	Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.017	0.000	6.532	0.00	10.40
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	6.931	0.00	1.37
20.00	Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	6.931	0.00	10.40
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	7.264	0.00	1.37
25.00	Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	7.264	0.00	10.40
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	7.548	0.00	1.37
30.00	Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	7.548	0.00	10.40
30.00	Step bolts (ladder)	Yes	5.00	0.000	0:38	0.16	0.00	0.019	0.000	7.797	0.00	1.37
35.00	Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	7.797	0.00	10.40
35.00	Step bolts (ladder)	Yes	3.50	0.000	0.38	0.11	0.00	0.019	0.000	7.955	0.00	0.96
38.50	Safety Cable	Yes	3.50	0.000	0.63	0.18	0.00	0.019	0.000	7.955	0.00	7.28
38.50	Step bolts (ladder)	Yes	1.50	0.000	0.38	0.05	0.00	0.020	0.000	8.019	0.00	0.41
40.00	Safety Cable	Yes	1.50	0.000	0.63	0.08	0.00	0.020	0.000	8.019	0.00	3.12
40.00	Step bolts (ladder)	Yes	5.00	0.000	0.38	0.16	0.00	0.020	0.000	8.221	0.00	1.37
45.00	Safety Cable	Yes		0.000	0.63	0.26	0.00	0.020	0.000	8.221	0.00	10.40
45.00	· ·	Yes	5.00 5.00	0.000	0.38	0.16	0.00	0.020	0.000	8.405	0.00	1.37
50.00	Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.020	0.000	8.405	0.00	10.40
50.00	Step bolts (ladder)	Yes	5.00	0.000	0.38	0.16	0.00	0.021	0.000	8.575	0.00	1.37
55.00	Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.021	0.000	8.575	0.00	10.40
55.00		Yes	5.00	0.000	0.38	0.16	0.00	0.021	0.000	8.734	0.00	1.37
60.00		Yes	5.00	0.000	0.63	0.26	0.00	0.021	0.000	8.734	0.00	10.40
60.00	•	Yes	5.00	0.000	0.38	0.16	0.00	0.022	0.000	8.882	0.00	1.37
65.00		Yes	5.00	0.000	0.63	0.26	0.00	0.022	0.000	8.882	0.00	10.40
65.00	•	Yes	5.00	0.000	0.38	0.16	0.00	0.022	0.000	9.022	0.00	1.37
70.00		Yes	5.00	0.000	0.63	0.26	0.00	0.022	0.000	9.022	0.00	10.40
70.00		Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	9.154	0.00	1.37
75.00		Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	9.154	0.00	10.40
75.00	i i	Yes	3.00	0.000	0.38	0.10	0.00	0.023	0.000	9.230	0.00	0.82
78.00	•	Yes	3.00	0.000	0.63	0.16	0.00	0.023	0.000	9.230	0.00	6.24
78.00		Yes	2.00	0.000		0.06	0.00	0.024	0.000	9.279	0.00	0.55
80.00	•	Yes	2.00	0.000	0.63	0.10	0.00	0.024	0.000	9.279	0.00	4.16
80.00		Yes	3.50	0.000		0.11	0.00	0.024	0.000	9.363	0.00	0.96
83.50		Yes	3.50	0.000	0.63	0.18	0.00	0.024	0.000	9.363	0.00	7.28
83.50		Yes	1.50	0.000	0.38	0.05	0.00	0.024	0.000	9.399	0.00	0.41
85.00		Yes		0.000		0.08	0.00	0.024	0.000	9.399	0.00	3.12
	Step bolts (ladder)	Yes	1.50 5.00	0.000	_	0.16	0.00	0.025	0.000	9.512	0.00	1.37
) Safety Cable	Yes	5.00	0.000		0.26	0.00	0.025	0.000	9.512	0.00	10.40
	Step bolts (ladder)	Yes	5.00	0.000		0.16	0.00	0.025	0.000	9.621	0.00	1.37
	Safety Cable	Yes	5.00	0.000		0.26	0.00	0.025	0.000	9.621	0.00	10.40
	Step bolts (ladder)	Yes	5.00	0.000		0.16	0.00	0.026	0.000	9.726	0.00	1.37
) Safety Cable	Yes	5.00	0.000		0.26	0.00	0.026	0.000	9.726	0.00	10.40
	Step bolts (ladder)	Yes	5.00	0.000		0.16	0.00	0.027	0.000	9.826	0.00	1.37
105.00) Safety Cable	Yes			or Engineer			riahta ras	erved			

Linear Appurtenance Segment Forces (Factored)

Structure: CT02722-S

1.1

Code:

TIA-222-H

Site Name: Waterbury

Exposure: С

Struct Class: ||

7/7/2023

Height:

Gh:

158.00 (ft)

Crest Height: 0.00

SBA

Base Elev: 0.000 (ft)

Topography: 1

Site Class: D - Stiff Soil

Page: 35

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00 **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 (Ib)
105.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.027	0.000	9.826	0.00	10.40
110.00	•	Yes	5.00	0.000	0.38	0.16	0.00	0.028	0.000	9.923	0.00	1.37
110.00		Yes	5.00	0.000	0.63	0.26	0.00	0.028	0.000	9.923	0.00	10.40
112.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.029	0.000	9.960	0.00	0.55
112.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.029	0.000	9.960	0.00	4.16
113.50	Safety Cable	Yes	1.50	0.000	0.38	0.05	0.00	0.029	0.000	9.988	0.00	0.41
113.50	Step bolts (ladder)	Yes	1.50	0.000	0.63	0.08	0.00	0.029	0.000	9.988	0.00	3.12
115.00	Safety Cable	Yes	1.50	0.000	0.38	0.05	0.00	0.029	0.000	10.016	0.00	0.41
115.00	Step bolts (ladder)	Yes	1.50	0.000	0.63	0.08	0.00	0.029	0.000	10.016	0.00	3.12
118.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.030	0.000	10.070	0.00	0.82
118.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.030	0.000	10.071	0.00	6.24
120.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.030	0.000	10.106	0.00	0.24
120.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.030	0.000	10.106	0.00	0.55 4.16
125.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.031	0.000	10.100	0.00	
125.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.031	0.000	10.193	0.00	1.37
127.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.031	0.000	10.193	0.00	10.40 0.55
127.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.031	0.000	10.228	0.00	4.16
130.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.032	0.000	10.228	0.00	
130.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.032	0.000	10.278	0.00	0.82
135.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.033	0.000	10.276	0.00	6.24 1.37
135.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.033	0.000	10.360		
137.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.033	0.000	10.392	0.00	10.40
137.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.034	0.000	10.392	0.00 0.00	0.55
140.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.035	0.000	10.392		4.16
140.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.035	0.000	10.440	0.00	0.82
145.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.036	0.000	10.440	0.00	6.24
145.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.036	0.000	10.517	0.00	1.37
148.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.030	0.000	10.517	0.00	10.40
148.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.037	0.000	_	0.00	0.82
150.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.037	0.000	10.562 10.592	0.00	6.24
150.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.038		· - · -	0.00	0.55
155.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.038	0.000	10.592	0.00	4.16
155.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.16	0.00		0.000	10.666	0.00	1.37
	Safety Cable	Yes	3.00	0.000	0.38	0.26	0.00	0.039	0.000	10.666	0.00	10.40
	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.041	0.000	10.709	0.00	0.82
	. , , , ,	. 55	0.00	3.000	0.05	U. 10	0.00	0.041	0.000	10.709 _	0.00	6.24
									Tot	als:	0.0	371.8

Calculated Forces

Structure: CT02722-S

Code:

TIA-222-H

7/7/2023

Site Name: Waterbury

Exposure:

С

Crest Height: 0.00

SBA

Height:

158.00 (ft) Base Elev: 0.000 (ft)

Site Class:

D - Stiff Soil

Page: 36

Gh:

1.1

Topography: 1

Struct Class: ||

Iterations 22

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor

1.00

1.00 Wind Load Factor

4		
	Total	Rota

YA

	441114	Loac	1 1 4010										_	
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)	Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-50.57	-9.16	0.00	-1073.0	0.00	1073.04	6641.65	1656.57	8175.13	8123.90	0.00	0.000	0.000	0.140
5.00	-48.79	-9.06	0.00	-1027.2	0.00	1027.24	6549.09	1623.15	7848.62	7847.74	0.02	-0.035	0.000	0.138
10.00	-47.03	-8.96	0.00	-981.95	0.00	981.95	6454.83	1589.73	7528.76	7574.18	0.08	-0.071	0.000	0.137
15.00	-45.31	-8.86	0.00	-937.17	0.00	937.17	6358.86	1556.31	7215.55	7303.35	0.17	-0.108	0.000	0.135
20.00	-43.62	-8.75	0.00	-892.89	0.00	892.89	6261.18	1522.89	6908.99	7035.38	0.30	-0.145	0.000	0.134
25.00	-43.02 -41.97	-8.64	0.00	-849.14	0.00	849.14	6161.80	1489.47	6609.09	6770.39	0.48	-0.183	0.000	0.132
30.00	-40.35	-8.52		-805.95	0.00	805.95	6060.71	1456.05	6315.85	6508.52	0.69	-0.221	0.000	0.131
35.00	-38.76	-8.40		-763.33	0.00	763.33	5957.92	1422.64	6029.26	6249.90	0.94	-0.260	0.000	0.129
38.50	-37.66	-8.31	0.00	-733.93	0.00	733.93	5884.95	1399.24	5832.60	6070.85	1.14	-0.288	0.000	0.127
40.00	-36.86	-8.28		-721.46	0.00	721.46	5853.42	1389.22	5749.32	5994.64	1.23	-0.300	0.000	0.127
45.00	-34.23	-8.15		-680.05	0.00	680.05	4462.52	1122.23	4617.06	4551.53	1.57	-0.341	0.000	0.157
50.00	-32.96	-8.03		-639.30	0.00	639.30	4388.93	1095.08	4396.31	4367.27	1.95	-0.381	0.000	0.154
55.00	-31.72	-7.90		-599.16	0.00	599.16	4313.64	1067.92	4180.97	4185.02	2.37	-0.429	0.000	0.151
60.00	-30.50	-7.78		-559.64	0.00	559.64	4236.64	1040.76	3971.04	4004.90	2.85	-0.477	0.000	0.147
65.00	-29.31	-7.66		-520.73	0.00	520.73	4157.93	1013.61	3766.51	3827.04	3.38	-0.525	0.000	0.143
70.00	-28.15	-7.53		-482.45	0.00	482.45	4077.51	986.45	3567.39	3651.57	3.95	-0.574	0.000	0.139
75.00	-27.01	-7.41		-444.78	0.00	444.78	3995.39	959.30	3373.68	3478.62	4.58	-0.623	0.000	0.135
78.00	-26.34	-7.33		-422.56	0.00	422.56	3945.30	943.00	3260.05	3376.11	4.98	-0.653	0.000	0.132
80.00	-25.61	-7.28		-407.90	0.00	407.90	3911.57	932.14	3185.38	3308.31	5.26	-0.673	0.000	0.130
83.50	-24.36	-7.18		-382.42	0.00	382.42	2771.30	714.83	2435.60	2342.24	5.77	-0.708	0.000	0.172
85.00	-24.09	-7.16		-371.65	0.00	371.65	2755.69	708.57	2393.09	2308.47	5.99	-0.723	0.000	0.170
90.00	-23.22	-7.04		-335.87	0.00	335.87	2702.54	687.68	2254.08	2196.71	6.78	-0.782	0.000	0.162
95.00	-23.22	-6.92		-300.69	0.00	300.69	2647.69	666.79	2119.23	2086.24	7.63	-0.841	0.000	0.153
100.00	-21.54	-6.80		-266.09	0.00	266.09	2591.13	645.91	1988.55	1977.20	8.54	-0.898	0.000	0.143
105.00	-20.73	-6.69		-232.07	0.00	232.07	2532.86	625.02	1862.02	1869.72	9.51	-0.953	0.000	0.132
110.00	-19.94	-6.57		-198.64	0.00	198.64	2472.89	604.13	1739.65	1763.92	10.54	-1.006	0.000	0.121
112.00	-19.60	-6.49		-185.51	0.00	185.51	2448.42	595.78	1691.86	1722.10	10.97	-1.027	0.000	0.116
113.50	-19.37	-6.45		-175.78	0.00	175.78	2429.89	589.51	1656.46	1690.93	11.29		0.000	0.112
115.00	-19.01	-6.42		-166.10	0.00	166.10	2411.21	583.25	1621.44	1659.93	11.62		0.000	0.108
118.00	-18.28	-6.34		-146.85		146.85	1790.62	464.40	1284.99	1229.14	12.30	-1.086	0.000	0.130
120.00	-18.03	-6.30		-134.17	0.00	134.17	1774.20	457.72	1248.27	1200.21	12.75		0.000	0.122
125.00	-17.40	-6.19		-102.66		102.66	1731.94	441.01	1158.79	1128.53	13.94		0.000	0.101
	-14.03	-5.05		-90.29		90.29	1714.56	434.33	1123.93	1100.14	14.42		0.000	0.090
127.00	-13.68	-4.98		-75.15		75.15	1687.98	424.30	1072.64	1057.88	15.16		0.000	0.079
130.00	-13.00	-4.87		-50.25		50.25	1642.31	407.59	989.82	988.40	16.43		0.000	0.059
135.00		-2.85		-40.51	0.00	40.51	1623.56	400.91	957.63	960.96	16.95	-1.233	0.000	0.047
137.00	-7.90 -7.62	-2.79		-31.96		31.96	1594.93	390.88	910.33	920.20	17.73		0.000	0.040
140.00		-2.79		-18.03		18.03	1545.85	374.17	834.16	853.42	19.04	-1.262	0.000	0.026
145.00	-7.16	-2.00 -1.06		-10.00		10.00	1515.59	364.15	790.06	814.09	19.83		0.000	0.014
148.00	-3.05	-1.00 -1.02		-7.87		7.87	1495.07	357.46	761.33	788.19	20.37	-1.271	0.000	0.012
150.00	-2.91			-1.01 -2.77		2.77	1442.53	340.75	691.81	724.60	21.70	-1.276	0.000	0.006
155.00	-2.55	-0.92		0.00		0.00	1400.09	330.73	651.70	682.38	22.50	-1.276	0.000	0.000
158.00	0.00	-0.87	0.00	0.00	0.00	0.00								

Final Analysis Summary

Structure: CT02722-S **Code**: TIA-222-H 7/7/2023

Site Name:WaterburyExposure:CHeight:158.00 (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



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 + 1.0W 117 mph Wind	38.9	0.00	60.64	0.00	0.00	4587.06
0.9D + 1.0W 117 mph Wind	38.9	0.00	45.46	0.00	0.00	4538.99
1.2D + 1.0Di + 1.0Wi 50 mph Wind	10.7	0.00	81.23	0.00	0.00	1247.16
1.2D + 1.0Ev + 1.0Eh	0.9	0.00	62.78	0.00	0.00	130.86
0.9D + 1.0Ev + 1.0Eh	0.9	0.00	47.55	0.00	0.00	129.79
1.0D + 1.0W 60 mph Wind	9.2	0.00	50.57	0.00	0.00	1073.04

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 Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Elev (ft)	Stress Ratio
1.2D + 1.0W 117 mph Wind	-27.73	-30.76	0.00	-1639.0	0.00	-1639.0	2771.30	714.83	2435.60	2342 24	83.50	0.712
0.9D + 1.0W 117 mph Wind	-20.43	-30.35	0.00	-1611.9	0.00				2435.60		83.50	0.697
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-44.11	-8.32	0.00	-440.37	0.00	-440.37				2342.24	83.50	0.204
1.2D + 1.0Ev + 1.0Eh	-30.35	-0.92	0.00	-52.69	0.00	-52.69	2771.30	714.83	2435.60	2342.24	83.50	0.033
0.9D + 1.0Ev + 1.0Eh	-22.98	-0.91	0.00	-52.18	0.00					2342.24	83.50	0.031
1.0D + 1.0W 60 mph Wind	-24.36	-7.18	0.00	-382.42	0.00	-382.42	2771.30	714.83	2435.60	2342.24	83.50	0.172

Base Plate Summary

CT02722-S Structure:

Site Name: Waterbury

158.00 (ft)

Base Elev: 0.000 (ft)

1.1 Gh:

Height:

Code:

Topography: 1

TIA-222-H

Exposure:

C

Crest Height: 0.00 D - Stiff Soil Site Class:

Struct Class: ||

SBA

7/7/2023

Page: 38

Reactions		Base Pla	ite	Anchor Bolts		
		Yield (ksi):	50.00	Bolt Circle:	67.00	
Original De	sign 5150.00	Width (in):	66.00	Number Bolts:	20.00	
Moment (kip-ft):	41.00	Style:	Clipped	Bolt Type:	2.25" 18.	
Axial (kip): Shear (kip):	44.00	Polygon Sides:	4.00	Bolt Diameter (in):	2.25	
,		Clip Length (in):	12.00	Yield (ksi):	75.00	
Analysis (1.2D	+ 1.0W)		0.05	Ultimate (ksi):	100.00	
Moment (kip-ft):	4587.06	Effective Len (in):	9.25	Arrangement:	Clustered	
Axial (kip):	60.64	Moment (kip-in):	587.38	Cluster Dist (in):	5.00	
Shear (kip):	38.94	Allow Stress (ksi):	67.50		45.00	
Orical (Mp).		Applied Stress (ksi):	35.77	Start Angle (deg):	40.00	
		Stress Ratio:	0.53	Compres	sion	
		J. 300 1 (MII)		Force (kip):	167.34	

268.39 Allowable (kip):

> 0.62 Ratio:

Tension

161.28 Force (kip): 243.75

Allowable (kip):

0.66 Ratio:



Mono	pole Mat Foun	dation Design	Date
MONO	pole mat i culi	dation Design	6/15/2023
Customer Name:	Verizon	TIA Standard:	TIA-222-H
Site Name:		Structure Height (Ft.):	158
Site Number:	CT02722-S	Engineer Name:	SBA Engineer
Engr. Number:	2 60/16	Engineer Login ID:	P. P.

Foundation Info Obtained from:	Drawings/Calculations
Structure Type:	Monopole

Monopole Analysis or Design? Analysis

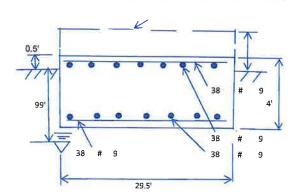
Base Reactions (Factored):

Axial Load (Kips): 60.6 Shear Force (Kips): 38.9 Uplift Force (Kips): 0.0 Moment (Kips-ft): 4587.1

Foundation Geometries:

Mods required -Yes/No ?: No Anchor Bolt Circle (ft.): 5.58 Depth of Base BG (ft.): 3.50 Thickness of Pad (ft): 4.00 Length of Pad (ft.): 29.5 Width of Pad (ft.): 29.5

Final Length of pad (ft) 29.5 Final width of pad (ft): 29.5



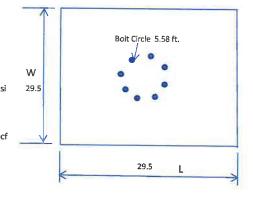
Material Properties and Reabr Info:

Concrete Strength (psi): 3000 Steel Elastic Modulus: 29000 ksi Pad Rebar Yield (Ksi): 60 Tie Spacing (in): 12.0 Pad Steel Rebar Size (#): 9 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): 38 Rebar at the top of the concrete pad:

Qty. of Rebar in Pad (L): 38 Qty. of Rebar in Pad (W):



Capacity

Soil Design Parameters:

Water Table B.G.S. (ft):	99.0	Unit Weight of Water:	62.4	pcf	Angle from Top of Pad:	30
Ultimate Bearing Pressure (psf):	40000	Ultimate Skin Friction:	0		Angle from Bottm of Pad:	25
Consider Friction for O.T.M. (Y/N):	No	Consider Friction for bearing	ng (Y/N):		Angle from Bottm of Pad:	25
Consider soil hor. resist. for OTM.:	No	Reduction factor on the ma	ximum soil		_	

38

38

Qty. of Rebar in Pad (W):

Uplift Strength Reduction Factor: Foundation Analysis and Design:

undation Analysis and Design: Uplift Strength Reduction Factor:	0.75 Compression Str	rength Reduction Factor:	0.75
Total Dry Soil Volume (cu. Ft.):	0.00 Total Dry Soil W	eight (Kips):	0.00
Total Buoyant Soil Volume (cu. Ft.):		oil Weight (Kips):	0.00
Total Effective Soil Weight (Kips):	-	Concrete Block at Top (K):	0.00
Total Dry Concrete Volume (cu. Ft.):	3481.00 Total Dry Concre		522.15
Total Buoyant Concrete Volume (cu. Ft.):		oncrete Weight (Kips):	0.00
Total Effective Concrete Weight (Kips):	522.15 Total Vertical Lo	•	582.79

Check Soil Capacities:

					Ratio	
Calculated Maxium Net Soil Pressure under the base (psf):	2331	<	Allowable Factored Soil Bearing (psf):	30000	0.08	OK!
Allowable Foundation Overturning Resistance (kips-ft.):	7826.0	>	Design Factored Momont (kips-ft):	4745	0.61	OK!
Factor of Safety Against Overturning (O. R. Moment/Design Moment)	1 65	OKI	besign reduced moments (kips it).	4745	0.01	OK:

TES Engr. Number:	0		Page 2/2 Date:	6/15/2023		
Check the capacities of Reinforceing Concrete: Strength reduction factor (Flexure and axial tension): Strength reduction factor (Axial compression):	0.90 0.65	_	gth reduction factor (Shear): Load Factor on Concrete Design:	0.75 1.00		
Concrete Pad: One-Way Design Shear Capacity (L-Direction, Kips): One-Way Design Shear Capacity (W-Direction, Kips): One-Way Design Shear Capacity (Corner-Corner. Kips): Lower Steel Pad Reinforcement Ratio (L-Direct.): Lower Steel Pad Moment Capacity (L-Direction. Kips-ft): Lower Steel Pad Moment Capacity (W-Direction. Kips-ft): Lower Steel Pad Moment Capacity (Corner-Corner,K-ft): Upper Steel Pad Reinforcement Ratio (L-Direct.): Upper Steel Pad Moment Capacity (L-Direction. Kips-ft): Upper Steel Pad Moment Capacity (W-Direction. Kips-ft): Upper Steel Pad Moment Capacity (Corner-Corner. K-ft):	1292.4 1292.4 1561.4 0.0024 7382.9 10388.8 0.0024 7382.9 10388.8	OK! > >	One-Way Factored Shear (L-D. Kips): One-Way Factored Shear (W-D., Kips) One-Way Factored Shear (C-C, Kips): Lower Steel Pad Reinf. Ratio (W-Direct Moment at Bottom (L-Direct. K-Ft): Moment at Bottom (W-Direct. K-Ft): Upper Steel Reinf. Ratio (W-Direct.): Moment at the top (L-Dir Kips-Ft): Moment at the top (W-Direct.): Moment at the top (C-C Direc. K-Ft):	550.4 0.0024 1323.7 1323.7 1872.0 0.0024 94.3 94.3	0.26 0.26 0.35 0.18 0.18 0.18 0.01	OK! OK! OK! OK! OK! OK!





Colliers Engineering & Design CT, P.C. 1055 Washington Boulevard Stamford, CT 06901 203.324.0800 peter.albano@collierseng.com

Antenna Mount Analysis Report and PMI Requirements

Mount ReAnalysis

SMART Tool Project #: 10206284 Colliers Engineering & Design CT, P.C. Project #: 23777049

July 10, 2023

Site Information

Site ID:

5000386231-VZW / WATERBURY 3 CT

Site Name:

WATERBURY 3 CT

Carrier Name:

Verizon Wireless 299 Sheffield Street

Address:

Waterbury, Connecticut 06704

New Haven County

Latitude:

41.593817°

Longitude:

-73.050917°

Structure Information

Tower Type:

Monopole

Mount Type:

13.67-Ft Platform

FUZE ID # 17041983

Analysis Results

Platform: 68.5% Pass*

*Antennas and equipment to be installed in compliance with PMI Requirements of this mount analysis.

***Contractor PMI Requirements:

Included at the end of this MA report
Available & Submitted via portal at https://pmi.vzwsmart.com

For additional questions and support, please reach out to: pmisupport@colliersengineering.com

Report Prepared By: Gianna Argentina



July 10, 2023 Site ID: 5000386231-VZW / WATERBURY 3 CT Page | 2

> 0.193 g 0.054 g

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: 325068, dated October 1, 2021				
Previous Mount Fix Report	Maser Consulting Connecticut, Project #: 21781085 dated October 22, 2021				
Filter Add	Guidance Provided by Verizon				

Analysis Criteria:

ANSI/TIA-222-H

Connecticut State Building Code, Effective October 1, 2022

Wind Parameters:

Basic Wind Speed (Ultimate 3-sec. Gust), Vult:	120 mph
Ice Wind Speed (3-sec. Gust):	50 mph
Design Ice Thickness:	1.00 in
Risk Category:	11
Exposure Category:	Č
Topographic Category:	1
Topographic Feature Considered:	N/A
Topographic Method:	N/A
Ground Elevation Factor, Ke:	0.967

Seismic Parameters:

Maintenance Parameters:

in the second se

Wind Speed (3-sec. Gust):

Maintenance Load, Ly:

30 mph
250 lbs

Maintenance Load, Lv: 250 lbs. Maintenance Load, Lm: 500 lbs.

Analysis Software:

RISA-3D (V17)

Ss:

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
(1.5)		4	KAelus	BSF0020F3V1-1	Added
		3	Samsung	RF4440d-13A	
		6	JMA Wireless	MX06FRO660-03	
147.00	147.00	3	Samsung	MT6407-77A	Retained
147.00	147.00	1	Raycap	RVZDC-6627-PF-48	Retained
		3	Samsung	RF4439d-25A	
6		Decibel	DB844G65ZAXY		

Any proposed antennas not currently installed should be mounted such that the centerline of the antennas does not exceed 6 inches vertically from the center of the antenna mounts.

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

Standard Conditions:

- All engineering services are performed on the basis that the information provided to Colliers Engineering & Design CT, P.C. 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 Colliers Engineering & Design CT, P.C. to verify deviation will not adversely impact the analysis.
- 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.

- 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.
- 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.

July 10, 2023 Site ID: 5000386231-VZW / WATERBURY 3 CT Page | 4

- 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. Colliers Engineering & Design CT, P.C. 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 0

ASTM A36 (Gr. 36)

HSS (Rectangular) 0

ASTM 500 (Gr. B-46)

0 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 Colliers Engineering & Design CT, P.C.

Analysis Results:

Component	Utilization %	Pass/Fail
Standoff Horizontal	26.2 %	Pass
Face Horizontal	15.2 %	Pass
Antenna Pipe	41.1 %	Pass
Cross Brace	68.5 %	Pass
Grating Brace	3.3 %	Pass
End Plate	22.2 %	Pass
Support Rail	28.6 %	Pass
Support Rail Corner	28.8 %	Pass
V-Bracing	18.1 %	Pass
Mount Connection	29.2 %	Pass

Structure Peting (Controlling 1997 of 1997)	
Structure Rating – (Controlling Utilization of all Components)	68.5%

Mount Steel (EPA)a per ANSI/TIA-222-H Section 2.6.11.2:

Ice	Mount Pipe	s Excluded	Mount Pipes Included			
Thickness (In)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)		
0	30.1	28.5	50.0	48.5		
0.5	39.5	38.5	68.4	66.4		
11	48.7	47.4	86.1	83.5		

Notes:

- (EPA)a values listed above may be used in the absence of more precise information
- (EPA)a values in the table above include 3 sector(s).
- Ka factors included in (EPA)a calculations

July 10, 2023 Site ID: 5000386231-VZW / WATERBURY 3 CT Page | 5

Requirements:

The existing mount is **SUFFICIENT** for the final loading configuration shown in attachment 2 and do not require modifications. Additional requirements are noted below.

Contractor to verify that the mount modifications from the previous mount fix report have been installed prior to installation of new equipment. Contact EOR with any discrepancies.

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

Attachments:

- 1. Contractor Required Post Installation Inspection (PMI) Report Deliverables
- 2. Antenna Placement Diagrams
- 3. Mount Photos
- 4. Analysis Calculations

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

MDG #: 5000386231

SMART Project #: 10206284

Fuze Project ID: 17041983

<u>Purpose</u> – 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.					
	☐ 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.					
Specia	I Instructions / Validation as required from the MA or any other information the contractor					
deems	necessary to share that was identified:					
Contr	actor to verify that the mount modifications from the previous mount fix report have been installed prior tallation of new equipment. Contact EOR with any discrepancies.					
toins	taliation of new equipment. Contact 2010 Williams, 2000					
Respo	nse:					
·						
Specia	Il Instruction Confirmation:					
	\square The contractor has read and acknowledges the above special instructions.					
	\square All hardware listed in the Special Instructions above (if applicable) has been properly installed, and the existing hardware was inspected.					
	☐ The material utilized was as specified in the SMART Tool engineering vendor Special Instructions above (if applicable) and included in the material certification folder is a packing list or invoice for these materials.					

Mount Structural Analysis Report (1) 13.67-Ft Platform	July 7, 2023 Site ID: <i>5000386231-VZW / WATERBURY 3 CT</i> Page 3				
☐ The material utilized was approved by a SMART approval is included as part of the contractor subm	Tool engineering vendor as an "equivalent" and this nission.				
Comments:					
Contractor certifies that the climbing facility / safety	climb was not damaged prior to starting work:				
☐ Yes ☐ No					
Contractor certifies no new damage created during the	he current installation:				
□ Yes □ No					
Contractor to certify the condition of the safety climb	and verify no damage when leaving the site:				
☐ Safety Climb in Good Condition	☐ Safety Climb Damaged				
Certifying Individual:					
Company:					

Employee Name: Contact Phone:

Email: Date:

Structure: 5000386231-VZW - WATERBURY 3 CT

Sector:

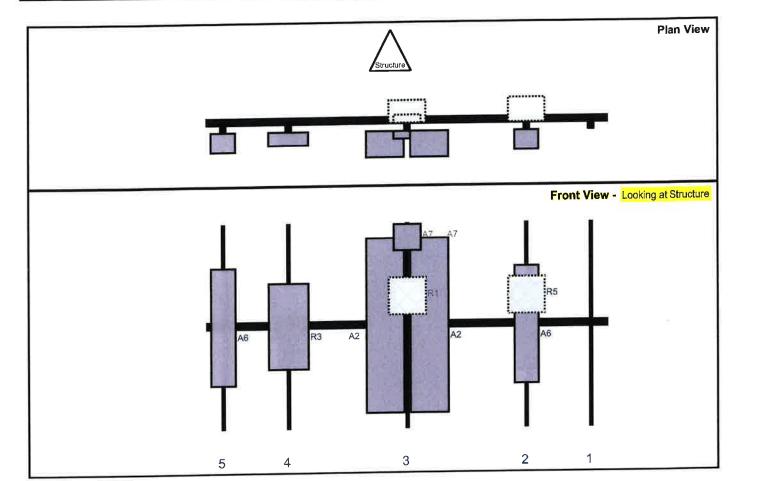
Mount Elev:

Structure Type: Self Support

147.00

10206284

7/10/2023 Colliers Engineering & Design



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant	Ant H Off	Status	Validation
A6	DB844G65ZAXY	48	10	130.5	2	а	Front	42	0	Retained	LIVE.
R5	RF4439d-25A	15	15	130.5	2	а	Behind	30	0	Retained	
A2	MX06FRO660-03	71.3	15.4	82	3	а	Front	42	9	Retained	
A2	MX06FRO660-03	71.3	15.4	82	3	b	Front	42	-9	Retained	
R1	RF4440d-13A	15	15	82	3	а	Behind	30	0	Retained	
A7	BSF0020F3V1-1	10.6	10.9	82	3	а	Behind	6	0	Added	
A7	BSF0020F3V1-1	10,6	10.9	82	3	b	Front	6	0	Added	
R3	MT6407-77A	35.1	16.1	33.5	4	а	Front	42	0	Retained	
A6	DB844G65ZAXY	48	10	7	5	а	Front	42	0	Retained	
M74A	RVZDC-6627-PF-48	29.5	16.5	100	Memb	ег	18			Retained	

Sector: B

Structure Type: Self Support

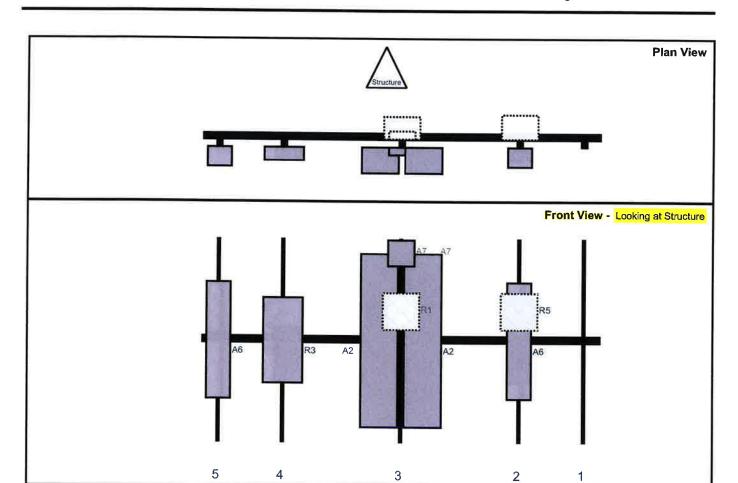
147.00

Mount Elev:

10206284

7/10/2023

Colliers Engineering & Design



Ref#	Model	Height	Width	H Dist	Pipe	Pipe	Ant	C. Ant	Ant		
1101#	Model	(in)	(in)	Frm L _i	#	Pos V	Pos	Frm T⊭	H Off	Status	Validation
A6	DB844G65ZAXY	48	10	130.5	2	а	Front	42	0	Retained	
R5	RF4439d-25A	15	15	130.5	2	8	Behind	30	0	Retained	7
A2	MX06FRO660-03	71.3	15.4	82	3	а	Front	42	9	Retained	
A2	MX06FRO660-03	71.3	15.4	82	3	b	Front	42	-9	Retained	
R1	RF4440d-13A	15	15	82	3	а	Behind	30	0	Retained	
A7	BSF0020F3V1-1	10.6	10.9	82	3	а	Behind	6	0	Added	
A7	BSF0020F3V1-1	10.6	10.9	82	3	b	Front	6	0	Added	
R3	MT6407-77A	35.1	16.1	33.5	4	а	Front	42	0	Retained	1-11-
A6	DB844G65ZAXY	48	10	7	5	а	Front	42	0	Retained	

Sector:

Mount Elev:

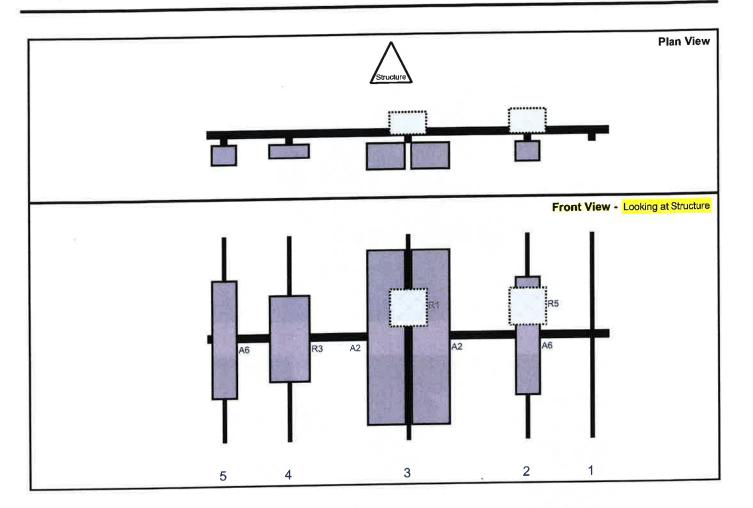
Structure Type: Self Support

147.00

10206284

7/10/2023





Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T _{to}	Ant H Off	Status	Validation
A6	DB844G65ZAXY	48	10	130.5	2	а	Front	42	0	Retained	
R5	RF4439d-25A	15	15	130.5	2	а	Behind	30	0	Retained	
A2	MX06FRO660-03	71.3	15.4	82	3	а	Front	42	9	Retained	
A2	MX06FRO660-03	71.3	15.4	82	3	b	Front	42	-9	Retained	
R1	RF4440d-13A	15	15	82	3	а	Behind	30	0	Retained	
R3	MT6407-77A	35.1	16.1	33.5	4	а	Front	42	0	Retained	
A6	DB844G65ZAXY	48	10	7	5	а	Front	42	0	Retained	



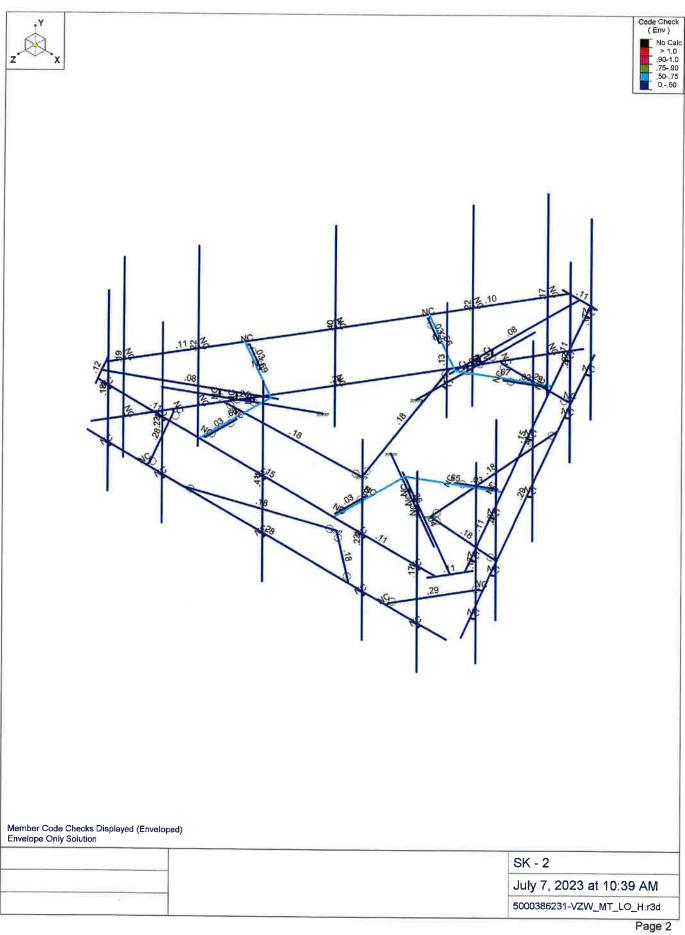


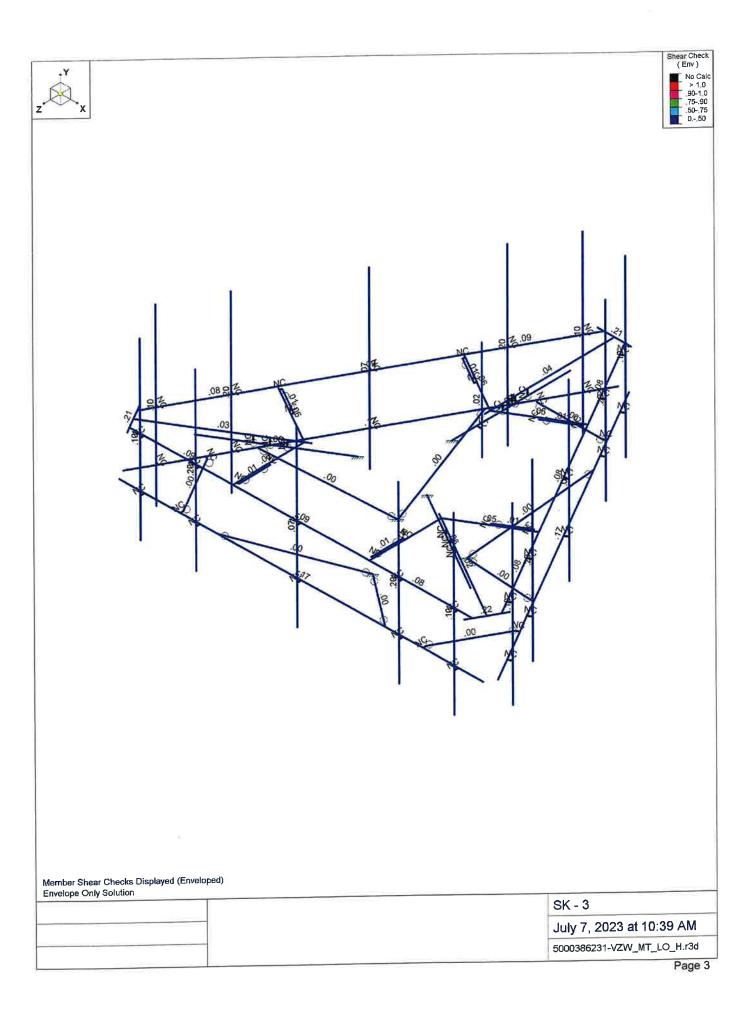




Envelope	Only	Solution	

anticopo om, coleano	SK - 1
	July 7, 2023 at 10:39 AM
	5000386231-VZW_MT_LO_H.r3d





Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me	Surface(F
1	Antenna D	None					117	Journal	/ ACCIONE	Guiracett
2	Antenna Di	None					117			
	Antenna Wo (0 Deg)	None					117			
	Antenna Wo (30 Deg)	None					117			
	Antenna Wo (60 Deg)	None					117			
6	Antenna Wo (90 Deg)	None					117			
7 /	Antenna Wo (120 Deg)	None					117			
8 4	Antenna Wo (150 Deg)	None					117		1	
9 /	Antenna Wo (180 Deg)	None					117			-
	Antenna Wo (210 Deg)	None					117			
	Antenna Wo (240 Deg)	None					117			-
	Antenna Wo (270 Deg)	None					117			
13 A	Antenna Wo (300 Deg)	None					117			-
14 A	Antenna Wo (330 Deg)	None					117			
	Antenna Wi (0 Deg)	None					117			
	Antenna Wi (30 Deg)	None					117			-
	Antenna Wi (60 Deg)	None					117			
	Antenna Wi (90 Deg)	None							-	
	Antenna Wi (120 Deg)	None					117			
20 /	Antenna Wi (150 Deg)	None					117			
21 /	Antenna Wi (180 Deg)	None	-				117	-		
	Antenna Wi (210 Deg)	None					117			
	Antenna Wi (240 Deg)	None					117			
24 /	Antenna Wi (270 Deg)	None					117			
25 /	Antenna Wi (300 Deg)	None					117			
	Antenna Wi (330 Deg)						117			
	Antenna Wm (0 Deg)	None					117			
	Antenna Wm (30 Deg)	None					117			
29 A	Antenna Wm (60 Deg)	None					117			
	Antenna Wm (90 Deg)	None	-				117			
	Intenna Wm (120 Deg)	None					117			
	Intenna Wm (150 Deg)	None					117			
	Interna Wm (180 Deg)	None	_				117			
	Interna Wm (210 Deg)	None					117			
34 A	ntenna Win (210 Deg)	None					117			
35 A	ntenna Wm (240 Deg)	None					117			
	ntenna Wm (270 Deg)	None					117			
	ntenna Wm (300 Deg)	None					117			
	ntenna Wm (330 Deg)	None					117			
39	Structure D	None		-1				15	9	
40	Structure Di	None						59	9	
	Structure Wo (0 Deg)	None						118		
	Structure Wo (30 Deg)	None						118		
	tructure Wo (60 Deg)	None						118		
	tructure Wo (90 Deg)	None						118		
	tructure Wo (120 D	None						118		
	tructure Wo (150 D	None						118		
	tructure Wo (180 D	None						118		
	tructure Wo (210 D	None						118		
	tructure Wo (240 D	None						118		
	tructure Wo (270 D	None						118		
	tructure Wo (300 D	None						118		
	tructure Wo (330 D	None						118		
53 8	Structure Wi (0 Deg)	None						118		

	ic Load Cases (Co	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point		Area(Me	Surface(P.
E 4	Structure Wi (30 Deg)	None						118		
<u>54</u> 55	Structure Wi (60 Deg)	None						118		
50	Structure Wi (90 Deg)	None						118		
	Structure Wi (120 De	None						118		
_	Structure Wi (150 De	None						118		
58	Structure Wi (180 De	None						118		
59	Structure Wi (210 De	None						118	ATT I IT	
	Structure Wi (240 De	None						118		
61_	Structure Wi (270 De	None						118		
		None						118		
	Structure Wi (300 De		+					118		
64	Structure Wi (330 De	None						118		
	Structure Wm (0 Deg)	None						118		
	Structure Wm (30 De	None						118		
67	Structure Wm (60 De	None		-				118		
68	Structure Wm (90 De	None		 				118		
69	Structure Wm (120 D	None	_					118		
70	Structure Wm (150 D	None						118		
71	Structure Wm (180 D.,	None	_		-			118		
72	Structure Wm (210 D	None						118		
73	Structure Wm (240 D	None	4		-			118		
74	Structure Wm (270 D	None						118	1	
75	Structure Wm (300 D	None			-		-	118	-	
76	Structure Wm (330 D	None					1	110		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None		X				-	-	-
81	Antenna Ev	None					117			
82	Antenna Eh (0 Deg)	None					78	-		
83	Antenna Eh (90 Deg)	None			ļ		78	_	9	+
84		ELY		041				-		1
85	Structure Eh (0 Deg)	ELZ			101				9 9	
86	- (cc -)	ELX	.101					000	9	
87	BLC 39 Transient Are	None						96		
88	The second secon	None						96		
89	The second secon	None				2		96		
90		None						96		
91	BLC 86 Transient Are	None						96		

Load Combinations

	Description	Sal	P	SR	BLC	Fact	BLC	Fact	BLC	Fact.	BLC	Fact.	BLC	Fact	BLC	Fact.	BLC	Fact	BLC	Fact	BLC	Fact	BLC	rau
1		Yes	Υ	Ü	1	1.2	39	1.2	3	1	41	1								_				
2	The state of the s	Yes	Ÿ		1	1.2	39	1.2	4	1	42	1							-					
3		Yes	Y		1	1.2	39	1.2	5	1	43	_1_						-						
4		Yes	Y		1	1.2	39	1.2	6	1	44	_1_							-	_		_		-
5	1.2D+1.0	Yes	Y		1	1.2	39	1.2	7_	1	45	_1_			-		-	-						
	1.2D+1.0	Yes	Y		1	1.2	39	1,2	8	1	46	_1_			-	_	-							
7	1.2D+1.0				1	1.2	39	1.2	9	1	47	1	-			-								
8	1.2D+1.0	Yes	Y		1	1.2	39	1.2	10	1	48	_1_				_	-				_			
9_	1.2D+1.0				1	1.2	39	1.2	11	1	49	1	-		\vdash	-	-		\vdash					
0		Yes			1	1.2	39	1.2	12	1	50				-	-	-		 	_				
11		Yes			11	1.2	39	1.2	13	1	51	1	-	-	-		1		1					
12_	1.2D+1.0				1	1.2	39	1.2	14	1	52	1	15	1	53	1	1		†					
13	1.2D + 1.0	_	_	_	1_	1.2	39	1.2	2	1	40	1	16	1	54	1	\vdash		1					
14	1.2D + 1.0	Yes	Y		1	1.2	39	1.2	2		40		110		1 57		-		-					

Load Combinations (Continued)

Description Sol. P. SR. BLC Fact. BLC Fa	Load Combinations	(Continued)							
1.0 1.0	Description Sol., P., S	R BI C Fact BI C F	act BLC Fact B	I C Fact BL	CEast DIO	DIO	DI O F	DI 05 - DI	
16 120 + 10. Yes Y	15 1.2D + 1.0. Yes Y	1 1 2 30	1 2 2 4	10 1 17	Fact. BLC	FactBLC Fact.	.BLC Fact.	.BLC FactBL	C Fact
17 120 + 10. Yes Y	16 12D + 10 Voc V							+	
18 120 + 10. Yes Y	17 12D + 10 Ves V								
19 120 + 10. Yes Y	17 1.2D + 1.0. Yes Y					1			
19 120 + 1.0. Yes Y	18 1.2D + 1.0. Yes Y			40 1 20	1 58	1			
20 120 + 10. Vies Y 1 1.2 39 1.2 2 1.40 1 22 1 60 1	19 1.2D + 1.0 Yes Y	1 1.2 39 1	1.2 2 1 4	10 1 21		1			
22 120 + 10. Yes Y	20 1.2D + 1.0 Yes Y	1 1.2 39 1							_
122 120 + 10. Yes Y	21 1.2D + 1.0 Yes Y								+
120 + 10. Nes Y	22 1.2D + 1.0. Yes Y						 		
124 120 + 10. Nes Y	23 12D + 10 Voc V								
25 120 + 15. Ves Y	24 12D + 10 Ves V								
26 120 + 15. Nes Y	24 1.2D + 1.0 Yes Y					1			
28 120 + 15. Yes Y	25 1.2D + 1.5 Yes Y			27 1 65	1				
28 120 + 15. Yes Y	26 1.2D + 1.5 Yes Y	1 1.2 39 1	.2 77 1.5 2	28 1 66					
129 1.20 + 1.5. Yes Y	27 1.2D + 1.5. Yes Y								
29 1.20 + 1.5. Yes Y	28 1.2D + 1.5 Yes Y								
30 1.20 + 1.5. Yes Y	29 1.2D + 1.5 Yes Y								_
31 1.20 + 1.5. Yes Y	30 12D + 15 Vec V							-	
33 1.2D + 1.5. Yes Y	31 12D + 15 Voc V								
33 1.20+1.5. Yes Y	31 1.2D + 1.5 Yes Y								
34 1.20+1.5. Yes Y	32 1.2D + 1.5 Yes Y	1 1.2 39 1	.2 77 1.5 3	4 1 72	1 1				
35 120 + 15. Yes Y	33 1.2D + 1.5 Yes Y	1 1.2 39 1	.2 77 1.5 3	5 1 73	1 1				
36 1.20 + 1.5. Yes Y	34 1.2D + 1.5 Yes Y	1 1.2 39 1							-
36 1.2D + 1.5. Yes Y	35 1.2D + 1.5. Yes Y								+
38 1.2D + 1.5. Yes Y	36 1.2D + 1.5 Yes Y								-
38 1.2D + 1.5. Yes Y	37 12D + 15 Ves V								
39 1.2D + 1.5. Yes Y	39 12D + 15 Vos V								
40 1 2D + 1.5. Yes Y	30 1.2D 1 1.5 TES 1				1				
41 12D + 1.5. Yes Y	39 1.2D + 1.5Yes Y				1				
42 1.2D + 1.5. Yes Y	40 1.2D + 1.5 Yes Y			0 1 68	1 1				
42 1.2D + 1.5. Yes Y 43 1.2D + 1.5. Yes Y 44 1.2D + 1.5. Yes Y 45 1.2D + 1.5. Yes Y 46 1.2D + 1.5. Yes Y 47 1.2D + 1.5. Yes Y 48 1.2D + 1.5. Yes Y 49 1.2D + 1.5. Yes Y 40 1.2D + 1.5. Yes Y 41 1.2 39 1.2 78 1.5 34 1 72 1 45 1.2D + 1.5. Yes Y 46 1.2D + 1.5. Yes Y 47 1.2D + 1.5. Yes Y 48 1.2D + 1.5. Yes Y 49 1.2D + 1.5. Yes Y 40 1.2D + 1.5. Yes Y 41 1.2 39 1.2 78 1.5 37 1 73 1 48 1.2D + 1.5. Yes Y 49 1.2D + 1.5. Yes Y 40 1.2D + 1.5. Yes Y 41 1.2 39 1.2 78 1.5 37 1 75 1 48 1.2D + 1.5. Yes Y 49 1.2D + 1.5. Yes Y 40 1.2D + 1.5. Yes Y 41 1.2 39 1.2 78 1.5 37 1 75 1 49 1.2D + 1.5. Yes Y 41 1.2 39 1.2 81 1 ELY 1 82 1 83 ELZ 1 ELX 50 1.2D + 1.0. Yes Y 41 1.2 39 1.2 81 1 ELY 1 82 866 83 .5 ELZ 866 ELX .5 51 1.2D + 1.0. Yes Y 41 1.2 39 1.2 81 1 ELY 1 82 .5 83 .866 ELZ .5 ELX .866 55 1.2D + 1.0. Yes Y 41 1.2 39 1.2 81 1 ELY 1 82 .5 83 .866 ELZ .5 ELX .866 55 1.2D + 1.0. Yes Y 41 1.2 39 1.2 81 1 ELY 1 82 .5 83 .866 ELZ .5 ELX .866 55 1.2D + 1.0. Yes Y 41 1.2 39 1.2 81 1 ELY 1 82 .5 83 .866 ELZ .5 ELX .866 55 1.2D + 1.0. Yes Y 41 1.2 39 1.2 81 1 ELY 1 82 .88 83 .5 ELZ 1 ELX 59 1.2D + 1.0. Yes Y 59 1.2D + 1.0. Yes Y 50 1.2D + 1.0. Yes Y 51 1.2 39 1.2 81 1 ELY 1 82 .5 83 .866 ELZ .5 ELX .866 61 1.2D + 1.0. Yes Y 51 1.2 39 1.2 81 1 ELY 1 82 .88 83 .5 ELZ .866 ELX .5 58 1.2D + 1.0. Yes Y 59 1.2D + 1.0. Yes Y 50 1.2D + 1.0. Yes Y 51 1.2 39 1.2 81 1 ELY 1 82 .88 83 .5 ELZ .866 ELX .5 58 1.2D + 1.0. Yes Y 59 1.2D + 1.0. Yes Y 50 1.2D + 1.0. Yes Y 51 1.2 39 1.2 81 1 ELY 1 82 .88 83 .5 ELZ .866 ELX .5 59 1.2D + 1.0. Yes Y 51 1.2 39 1.2 81 1 ELY 1 82 .88 83 .5 ELZ .866 ELX .5 50 1.2D + 1.0. Yes Y 51 1.2 39 1.2 81 1 ELY 1 82 .88 83 .5 ELZ .866 ELX .5 50 1.2D + 1.0. Yes Y 51 1.2 39 1.2 81 1 ELY 1 82 .5 83 .866 ELZ .5 ELX .866 83 .5 ELZ .866 ELX .5 50 1.2D + 1.0. Yes Y 51 1.2 39 1.2 81 1 ELY 1 82 .5 83 .866 ELZ .5 ELX .866 83 .5 ELZ .866 ELX .5 50 1.2D + 1.0. Yes Y 51 1.2 39 1.2 81 1 ELY 1 82 .5 83 .866 ELZ .5 ELX .866 83 .5 ELZ .866 ELX .5 50 1.2D + 1.0. Yes Y 51 1.2 39 1.2 81 1 ELY 1 82 .5 83 .866 ELZ .5 ELX .866 83 .5 ELZ .866 ELX .5	41 1.2D + 1.5 Yes Y	1 1.2 39 1			1				
43 1.2D + 1.5. Yes Y	42 1.2D + 1.5 Yes Y								
44 1.2D + 1.5. Yes Y	43 1.2D + 1.5 Yes Y								-
46 1.2D + 1.5. Yes Y	44 1.2D + 1.5. Vos V								
46 1.2D + 1.5. Yes Y	45 12D + 15 Voc V								
1.20 + 1.5. Yes Y	46 1 2D + 15 V- V	1 1.2 39 1	2 /8 1.5 3						
48 1.2D + 1.5. Yes Y	40 1.2D + 1.5. Yes Y	1 1.2 39 1			1				
1.2D + 1.5. Yes Y	4/ 1.2D + 1.5 Yes Y			7 1 75	1 1				
1.20 + 1.5. Yes Y	48 1.2D + 1.5 Yes Y	1 1.2 39 1	.2 78 1.5 3	8 1 76	1				
Solid Soli	49 1.2D + 1.5 Yes Y	1 1.2 39 1	2 79 1.5						1
51 1.4D Yes Y 1 1.4 39 1.4 String 1.0	50 1.2D + 1.5 Yes Y								-
52 1.2D + 1.0 Yes Y 1 1.2 39 1.2 81 1 ELY 1 82 1 83 ELZ 1 ELX 53 1.2D + 1.0 Yes Y 1 1.2 39 1.2 81 1 ELY 1 82 866 83 .5 ELZ 866 ELX .5 54 1.2D + 1.0 Yes Y 1 1.2 39 1.2 81 1 ELY 1 82 .5 83 .866 ELZ .5 ELX .866 55 1.2D + 1.0 Yes Y 1 1.2 39 1.2 81 1 ELY 1 82 .5 83 .866 ELZ .5 ELX .866 57 1.2D + 1.0 Yes Y 1 1.2 39 1.2 81 1 ELY 1 82 .866 83 .5 ELZ .866 ELX .5									-
53 1.2D + 1.0. Yes Y	52 12D+10 Vos V			V 4 00	1 22				
54 1.2D + 1.0. Yes Y 1 1.2 39 1.2 81 1 ELY 1 82 .5 83 .866 ELZ .5 ELX .866 55 1.2D + 1.0. Yes Y 1 1.2 39 1.2 81 1 ELY 1 82 83 1 ELZ ELX 1 1 56 1.2D + 1.0. Yes Y 1 1.2 39 1.2 81 1 ELY 1 82 5 83 .866 ELZ 5 ELX .866 ELX .5 57 1.2D + 1.0. Yes Y 1 1.2 39 1.2 81 1 ELY 1 82 5 83 .866 ELZ 5 ELX .866 ELX .5 58 1.2D + 1.0. Yes Y 1 1.2 39 1.2 81 1 ELY 1 82 866 83 5 ELZ 866 ELX .5 ELX .866 ELX .5 5 1 .2 .866 ELX .5 .5 .5 .2 .866 ELX .5 .5 .83 .866 ELX .5 .5 .83 .866 ELX .5 .5 .83 .866 ELX .5 .5 .2 .83 .866 ELX .5 .5 .2 .84 .84	52 12D + 10 Vos V								
55 1.2D + 1.0 Yes Y	53 1.2D + 1.0Yes Y								
55 1.2D + 1.0 Yes Y 1 1.2 39 1.2 81 1 ELY 1 82 83 1 ELZ ELX 1 56 1.2D + 1.0 Yes Y 1 1.2 39 1.2 81 1 ELY 1 82 -5 83 .866 ELZ -5 ELX .866 57 1.2D + 1.0 Yes Y 1 1.2 39 1.2 81 1 ELY 1 82 -866 83 .5 ELZ866 ELX .5 58 1.2D + 1.0 Yes Y 1 1.2 39 1.2 81 1 ELY 1 82 -866 ELZ -1 ELX 59 1.2D + 1.0 Yes Y 1 1.2 39 1.2 81 1 ELY 1 82 -866 ELZ -5 ELZ -866 ELX -5 61 1.2D + 1.0 Yes Y 1 1.2 39 1.2 81<	54 1.2D + 1.0 Yes Y		.2 81 1 EL	Y 1 82	.5 83 .	866 ELZ .5	ELX .866		
56 1.2D + 1.0. Yes Y 1 1.2 39 1.2 81 1 ELY 1 82 5 83 .866 ELZ 5 ELX .866 57 1.2D + 1.0. Yes Y 1 1.2 39 1.2 81 1 ELY 1 82 866 83 .5 ELZ 866 ELX .5 58 1.2D + 1.0. Yes Y 1 1.2 39 1.2 81 1 ELY 1 82 866 83 .5 ELZ 866 ELX .5 59 1.2D + 1.0. Yes Y 1 1.2 39 1.2 81 1 ELY 1 82 866 83 5 ELZ 866 ELX 5 60 1.2D + 1.0. Yes Y 1 1.2 39 1.2 81 1 ELY 1 82 866 ELZ 5 ELX 866 61 1.2D + 1.0. Yes Y 1 1.2 39 1.2 81 </td <td>55 1.2D + 1.0 Yes Y</td> <td>1 1.2 39 1.</td> <td>.2 81 1 EL</td> <td>Y 1 82</td> <td></td> <td>1 ELZ</td> <td></td> <td></td> <td></td>	55 1.2D + 1.0 Yes Y	1 1.2 39 1.	.2 81 1 EL	Y 1 82		1 ELZ			
57 1.2D + 1.0. Yes Y	56 1.2D + 1.0 Yes Y								
58 1.2D + 1.0. Yes Y 1 1.2 39 1.2 81 1 ELY 1 82 -1 83 ELZ -1 ELX -1 59 1.2D + 1.0. Yes Y 1 1.2 39 1.2 81 1 ELY 1 82 -866 83 -5 ELZ -866 ELX -5 5 60 1.2D + 1.0. Yes Y 1 1.2 39 1.2 81 1 ELY 1 82 -5 83 -866 ELZ -5 ELX -866 ELX -5 6 61 1.2D + 1.0. Yes Y 1 1.2 39 1.2 81 1 ELY 1 82 -5 83 -866 ELZ -5 ELX -866 ELX -5 6 6 1.2D + 1.0. Yes Y 1 1.2 39 1.2 81 1 ELY 1 82 .5 83 -866 ELZ .5 ELX -1 -1 6 62 1.2D + 1.0. Yes Y 1 1.2 39 1.2 81 1 ELY 1 82 .5 83 -866 ELZ .5 ELX -5 6 6 1.2 1 9 9 9									+
59 1.2D + 1.0. Yes Y	58 1.2D + 1.0. Yes V								-
60 1.2D + 1.0. Yes Y	59 12D + 10 Voc V	1 1 2 20 4	2 04 4 5						
61 1.2D + 1.0. Yes Y	60 12D + 10 V V	1 1.2 39 1.	2 81 1 EL		866 83 .	5 ELZ 866	ELX5		
61 1.2D + 1.0 Yes Y									
62 1.2D + 1.0. Yes Y	61 1.2D + 1.0. Yes Y		2 81 1 EL						
63 1.2D + 1.0Yes Y	62 1.2D + 1.0 Yes Y	1 1.2 39 1.	2 81 1 EL						
64 0.9D - 1.0 Yes Y	63 1.2D + 1.0. Yes Y								\vdash
65 0.9D - 1.0 Yes Y	64 0.9D - 1.0 Yes V	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				J LLZ .000			
66 0.9D - 1.0 Yes Y	65 0.9D - 10 Voc V	10 00 .0			1 83				
67 0.9D - 1.0 Yes Y	66 00D 10 V								
67 0.9D - 1.0 Yes Y	00 U.SD - 1.UYes Y				.5 83 .8	366 ELZ .5	ELX .866		
68 0.9D - 1.0 Yes Y	6/ U.9D - 1.0 Yes Y	1 9 39 9	81 -1 EL						
69 0.9D - 1.0 Yes Y	68 0.9D - 1.0 Yes Y								
70 0.9D - 1.0 Yes Y 1 .9 39 .9 81 -1 ELY -1 82 -1 83 ELZ -1 ELX	69 0.9D - 1.0 Yes Y				- 866 93				
T4 0 00 40 14 15 15 15 15 15 15 15 15 15 15 15 15 15	70 0.9D - 1.0 Vas V								
- 1 1 1 1 1 1 1 1 1 1	71 0 9D - 10 Vos V	10 00 10							
	11	1 1 1 3 39 5	1 8 -1 EL	r ₁ -1 82	866 83 -	5 ELZ 866	ELX5		

Load Combinations (Continued)

	D	Cal	D	CD	BI C	Fact	BI C	Fact	BLC	Fact.	BLC	Fact.	BLC	Fact.	BLC			Fact.	000	I COL.	BLC	Fact	BLC	Fact
-	Description	301	V	SIX.	1 1	Q.	30	a	81	-1	ELY	-1	82	5	83	866	ELZ	5	ELX	866				
72	0.9D - 1.0		_	-	-		20	0	0.1	1	ELV	1	82		83	-1	ELZ		ELX	-1				
73	0.9D - 1.0	Yes	Y		1	.9	39	.9	01	-1	ELV	-1	02	-	00	866	EL Z	5	FIX	866				
74	0.9D - 1.0	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	00	The Assessment of the Section of the	EL 2	.0	ELV	000			_	
75	0.9D - 1.0		Y		1	.9	39	.9	81	-1	ELY	1_	82	.866	83	5	ELZ	.866	ELX	5				

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap
1	N1	0	0	0	0	
2	N2	6.833333	0	4.4375	0	
3	N3	-6.833333	0	4.4375	0	
4	N14	0.426321	0	-8.13659	0	
5	N15	7.259654	0	3.69909	0	
6	N26	-7.259654	0	3.69909	0	
7	N27	-0.426321	0	-8.13659	0	
8	N38	-0.	0	-8.13659	0	
9	N39	-0.	0	-2.928257	0	
10	N40	-7.046494	0	4.068295	0	
	N41	-2.535945	0	1.464128	0	
11	N42	7.046494	0	4.068295	0	
12	N43	2.535945	0	1.464128	0	
13		-0.	25	-6.344924	0	
14	N44	-0.	25	-1.594924	0	
15	N45	-0.	0	-4.63659	0	
16	N46	-0.	Ö	-4.13659	0	
17	N47	-0.	Ö	-3.63659	0	
18	N48		25	-4.63659	0	
19	N49	-0.	25	-4.13659	0	
20	N50	-0.	25	-3.63659	0	
21	N51	-0.	25	4.4375	0	
22	N71	-3.208333	0	-3.13659	0	
23	N69	-0.		1.568295	Ö	
24	N70	-2.716367	0	1.568295	0	
25	N71A	2.716367	0	4.4375	ő	
26	N72	3.208333	0	0.559748	0	
27	N73	5.447154	0	-4.997248	Ö	
28	N76	2.238821	0		0	
29	N77	-2.238821	0	-4.997248	0	
30	N80	-5.447154	0	0.559748	0	
31	N97	-6.25	0	4.4375	Ö	
32	N98	-6.25	0	4.604167	0	
33	N103	0.	0	4.4375	0	
34	N104	0.	0	4.604167		
35	N109	4.041667	0	4.4375	0	
36	N110	4.041667	0	4.604167	0	
37	N115	6.25	0	4.4375	0	
38	N116	6.25	0	4.604167	0	
39	N72A	-4.041667	0	4.4375	0	
40	N77A	-4.041667	0	4.604167	0	
41	N60A	-6.25	3.458333	4.604167	0	
42	N61A	0.	3.458333	4.604167	0	
	N62A	4.041667	3.458333	4.604167	0	
43	N63A	6.25	3.458333	4.604167	0	
44	N64A	-4.041667	3.458333	4.604167	0	
45		-6.25	-3.541667	4.604167	0	
46	N65A	0.	-3.541667	4.604167	0	
48	N66A N67A	4.041667	-3.541667	4.604167	0	



Joint Coordinates and Temperatures (Continued)

49	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap
	N68	6.25	-3.541667	4.604167	0	
50	N69A	-4.041667	-3.541667	4.604167	0	
51 52	N71B	6.967988	0	3.193909	0	
	N72B	7.112325	0	3.110575	0	
53 54	N73A	3.842988	0	-2.21875	0	
	N74	3.987325	0	-2.302083	0	
55	N75	1.822154	0	-5.718936	0	
56	N76A	1.966492	0	-5.802269	0	
57	N77B	0.717988	0	-7.631409	0	
58	N78	0.862325	0	-7.714742	0	
59	N79	5.863821	0	1.281436	0	
60	N80A	6.008159	0	1.198103	0	
61	N81	7.112325	3.458333	3.110575	0	
62	N82	3.987325	3.458333	-2.302083	0	
63	N83	1.966492	3.458333	-5.802269	0	
64	N84	0.862325	3.458333	-7.714742	0	
65	N85	6.008159	3.458333	1.198103	0	
66	N86	7.112325	-3.541667	3.110575	0	
67	N87	3.987325	-3.541667	-2.302083	0	
68	N88	1.966492	-3.541667	-5.802269	0	
69	N89	0.862325	-3.541667	-7.714742	0	
70	N90	6.008159	-3.541667	1.198103	Ö	
71	N95	-0.717988	0	-7.631409	0	
72	N96	-0.862325	0	-7.714742	Ö	
73	N97A	-3.842988	0	-2.21875	0	
74	N98A	-3.987325	0	-2.302083	0	
75	N99	-5.863821	0	1.281436	0	
76	N100	-6.008159	0	1.198103	Ö	
77	N101	-6.967988	0	3.193909	0	
78	N102	-7.112325	0	3.110575	Ö	
79	N103A	-1.822154	0	-5.718936	0	
80	N104A	-1.966492	0	-5.802269	Ö	
81	N105	-0.862325	3.458333	-7.714742	0	+
82	N106	-3.987325	3.458333	-2.302083	0	
83	N107	-6.008159	3.458333	1.198103	0	
84	N108	-7.112325	3.458333	3.110575	0	
85	N109A	-1.966492	3.458333	-5.802269	0	
86	N110A	-0.862325	-3.541667	-7.714742	0	
87	N111	-3.987325	-3.541667	-2.302083	0	
88	N112	-6.008159	-3.541667	1.198103	0	
89	N113	-7.112325	-3.541667	3.110575	0	
90	N114	-1.966492	-3.541667	-5.802269	0	
91	N94	-4.015405	0	2.318295		
92	N95A	-3.582392	0	2.068295	0	
93	N96A	-3.14938	0	1.818295	0	
94	N97B	-4.015405	25			
95	N98B	-3.582392	25 25	2.318295	0	
96	N99A	-3.14938	25	2.068295	0	
97	N102A	4.015405	0	1.818295	0	
98	N103B	3.582392	0	2.318295	0	
99	N104B	3.14938	0	2.068295	0	
100	N105A	4.015405		1.818295	0	
101	N106A	3.582392	25	2.318295	0	
102	N107B		25	2.068295	0	
103	N107B	3.14938	25	1.818295	0	
104	N111A	-2.716367	0	4.4375	0	
105	N110B	2.716367	0	4.4375	0	
_1001	IVI (UD	5.201171	0	0.133693	0	

Joint Coordinates and Temperatures (Continued)

	Label	emperatures (Con	Y [ft]	Z [ft]	Temp [F]	Detach From Diar
001	N112A	-2.484804	0	-4.571193	0	
06	N112B	2.484804	0	-4.571193	0	
07		-5.201171	0	0.133693	0	
08	N115A	-2.716367	0	3.020833	0	
09	N113A	2.716367	0	3.020833	0	
10	N115B	-5.520912	0	3.1875	0	
11	N115C		0	3.1875	0	
12	N116A	5.520912	0	-6.375	0	
13	N117	-0.		4.270833	0	
14	N122	-2.633034	0	3.020833	Ö	
15	N123	-2.633034	0		0	
16	N124	2.633034	0	4.270833	0	
17	N125	2.633034	0	3.020833	0	
18	N134A	-0.666667	0	-8.13659		
19	N135A	0.666667	0	-8.13659	0	
20	N136	-6.713161	0	4.645645	0	
21	N137	-7.379827	0	3.490945	0	
22	N138	7.379827	0	3.490945	0	
23	N139	6.713161	0	4.645645	0	
24	N140	-0.	25	-2.594924	0	
	N141	0.208333	25	-2.594924	0	
25	N142	0.208333	-1.25	-2.594924	0	
26	N143	0.208333	2.75	-2.594924	0	
27		-5.542978	0	3.20024	0	
28	N144	-2.716367	0	4.270833	0	
29	N145	2.716367	Ö	4.270833	0	
30	N146		ő	0.842026	0	
31	N147	3.974302	0	-3.862859	0	
32	N148	1.257935	0	0.144857	0	
33	N149	5.015167	0	0.769857	Ö	
34	N150	3.932635		-4.415691	0	
35	N151	2.382133	0		0	
36	N152	1.299602	0	-3.790691	0	
37	N153	5.056834	0	0.217026		
38	N154	2.340467	0	-4.487859	0	
39	N155	-1.257935	0	-3.862859	0	_
40	N156	-3.974302	0	0.842026	0	
41	N157	-2.382133	0	-4.415691	0	
42	N158	-1.299602	0	-3.790691	0	
43	N159	-5.015167	0	0.144857	0	
	N160	-3.932635	0	0.769857	0	
44	N161	-2.340467	0	-4.487859	0	
45	N162	-5.056834	0	0.217026	0	
46		-1.242402	0	-3.853891	0	
47	N151A	-5.494865	25	3.172462	0	
48	N148A	-1.381244	25	0.797462	0	
49	N149A		25	3.172462	0	
50	N150A	5.494865	25	0.797462	0	
51	N151B	1.381244		4.4375	Ö	
52	N152A	-2.277778	0	4.4375	0	
53	N153A	2.277778	0		Ö	
54	N154A	4.981877	0	-0.246137	0	
55	N155A	2.704099	0	-4.191363		
56	N156A	-2.704099	0	-4.191363	0	
57	N157A	-4.981877	0	-0.246137	0	_
58	N158A	7.25	-2	4.4375	0	
159	N159A	-7.25	-2	4.4375	0	
160	N160A	-6.25	-2	4.4375	0	
	N161A	-6.25	-2	4.604167	0	
162	N162A	0.	-2	4.4375	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap.
163	N163	0,	-2	4.604167	0	Detacit Tom Diap.
164	N164	4.041667	-2	4.4375	0	
165	N165	4.041667	-2	4.604167	0	
166	N166	6.25	-2	4.4375	0	
167	N167	6.25	-2	4.604167	0	
168	N168	-4.041667	-2	4.4375	0	
169	N169	-4.041667	-2	4.604167	0	
170	N170	0.217988	-2	-8.497434	0	
171	N171	7.467988	-2	4.059934	0	
172	N172	6.967988	-2	3.193909	0	
173	N173	7.112325	-2	3.110575	0	
174	N174	3.842988	-2	-2.21875	0	
175	N175	3.987325	-2	-2.302083	0	
176	N176	1.822154	-2	-5.718936	0	
177	N177	1.966492	-2	-5.802269	0	
178	N178	0.717988	-2	-7.631409	Ö	
179	N179	0.862325	-2	-7.714742	0	
180	N180	5.863821	-2	1.281436	0	7
181	N181	6.008159	-2	1.198103	0	
182	N182	-7.467988	-2	4.059934	0	
183	N183	-0.217988	-2	-8.497434	0	
184	N184	-0.717988	-2	-7.631409	0	
185	N185	-0.862325	-2	-7.714742	0	
186	N186	-3.842988	-2	-2.21875	0	
187	N187	-3.987325	-2	-2.302083	0	
188	N188	-5.863821	-2	1.281436	0	
189	N189	-6.008159	-2	1.198103	0	
190	N190	-6.967988	-2	3.193909	0	
191	N191	-7.112325	-2	3.110575	0	
192	N192	-1.822154	-2	-5.718936	0	
193	N193	-1.966492	-2	-5.802269	0	
194	N194	-4.833333	-2	4.4375	0	
195	N195	-4.833333	-2	4.3125	0	
196	N196	4.833333	-2	4.4375	0	
197	N197	4.833333	- <u>2</u>	4.3125		
198	N198	6.259654	-2	1.967039	0	
199	N199	6.151401	-2	2.029539	0	
200	N200	1.426321	-2	-6.404539		-
201	N201	1.318068	-2	-6.342039	0	
202	N202	-1.426321	-2	-6.404539	0	
203	N203	-1.318068	-2	-6.342039	0	
204	N204	-6.259654	-2	1.967039		+
205	N205	-6.151401	-2	2.029539	0	
206	N207	-3.333333	-2		0	
207	N208	3.333333	- <u>-</u> 2	4.4375	0	
208	N212A	0.	-3.25	4.4375 1.594924	0	
209	N209	5.509654	-3.25 -2		0	
210	N210	2.176321	-2	0.668001	0	
211	N211	1.381244		-5.105501	0	
212	N212	-2.176321	-3.25	-0.797462	0	
213	N213	-5.509654	<u>-2</u> -2	-5.105501	0	
214	N214	-1.381244	-3.25	0.668001 -0.797462	0	



Hot Rolled Steel Section Sets

700	Label	Shape	Type	Design List	Material	Design R	A [in2]	lyy [in4]	Izz [in4]	J [in4]
4	Label Antenna Pipe	PIPE 2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
2		PIPE 3.0	Beam	Pipe	A53 Gr. B	Typical	2.07	2.85	2.85	5.69
2	Face Horizontal	PIPE 2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
3_	Connector Pipe Standoff Horizontal	HSS3X3X6	Beam	Tube	A500 Gr. B 42	Typical	3.39	3.78	3.78	6.64
4	THE AMERICAN CONTRACTOR OF THE PARTY OF THE	L2.25X1.5X4	Beam	Single An	A36 Gr.36	Typical	.875	.157	.44	.017
5_	Cross Brace	L2.5x2.5x4		Single An	A36 Gr.36	Typical	1.19	.692	.692	.026
6_	TES CB	L2x2x4	LJ C CHITT	Single An	A36 Gr.36	Typical	.944	.346	.346	.021
	Grating Brace	PL3/4x6	Beam	RECT	A36 Gr.36	Typical	4.5	.211	13.5	.777
8_	Corner Plate	PL3/4x6	Beam	RECT	A36 Gr.36	Typical	4.5	.211	13.5	.777
9	End Plate	L2.5x2.5x4		Single An		Typical	1.19	.692	.692	.026
10	V-Bracing	PIPE 2.5	Beam	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
11	Support Rail Support Rail Comer	L3X3X4	Beam	Single An	A36 Gr.36	Typical	1.44	1.23	1.23	.031

Hot Rolled Steel Properties

HUL	Rolled Steel F1	Market Comment		Nu	Therm (/1F	Density[k/ft	Yield[ksi]	Rv	Fu[ksi]	Rt
	Label	E [ksi]	G [ksi]	3	.65	.49	36	1.5	58	1.2
1_	A36 Gr.36	29000	11154	.3	.65	.49	35	1.5	60	1.2
2	A53 Gr. B	29000		.3	.65	.49	50	1.1	65	1.1
3	A572 Gr.50	29000	11154	2	.65	.49	50	1.1	65	1.1
4	A992	29000	11154		.65	.49	42	1.4	58	1.3
5	A500 Gr. B 42	29000	11154	.0	.65	.49	46	1.4	58	1.3
6	A500 Gr. B 46	29000	11154		.00	.43	70			

Member Primary Data

	<u>per Primar</u>	1 Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List		Design Rules
4	M40	N38	N39	13. South		Standoff Horiz	Beam	Tube	A500 Gr	Typical
-		N40	N41			Standoff Horiz	Beam	Tube	A500 Gr	Typical
2	M41	N42	N43			Standoff Horiz	Beam	Tube	A500 Gr	Typical
3	M42	-	N45			Standoff Horiz	Beam	Tube	A500 Gr	Typical
4	M43	N44	N51			RIGID	None	None	RIGID	Typical
5	M44	N48				RIGID	None	None	RIGID	Typical
6	M45	N47	N50			RIGID	None	None	RIGID	Typical
7	M46	N46	N49			RIGID	None	None	RIGID	Typical
8	M74	N98	N97			RIGID	None	None	RIGID	Typical
9	M77	N104	N103	_		RIGID	None	None	RIGID	Typical
10	M80	N110	N109		1	RIGID	None	None	RIGID	Typical
11	M107	N116	N115	-		Face Horizontal	Beam	Pipe	A53 Gr. B	
12	M37A	N3	N152A			Face Horizontal	Beam	Pipe	A53 Gr. B	
13	M38A	N15	N154A		1	Face Horizontal	Beam	Pipe	A53 Gr. B	
14	M39A	N27	N156A		-	RIGID	None	None	RIGID	Typical
15	M40A	N77A	N72A			Antenna Pipe		Pipe	A53 Gr. B	
16	MP5A	N60A	N65A				Column	Pipe	A53 Gr. B	
17	MP4A	N64A	N69A			Antenna Pipe	Column		A53 Gr. B	- Indiana
18	МР3А	N61A	N66A			Antenna Pipe	Column	Pipe	A53 Gr. B	
19	MP2A	N62A	N67A			Antenna Pipe	Column	Pipe	A53 Gr. B	
20	MP1A	N63A	N68			Antenna Pipe	Column	Pipe		Typical
21	M38B	N72B	N71B			RIGID	None	None	RIGID	
22	M39B	N74	N73A			RIGID	None	None	RIGID	Typical
23	M40B	N76A	N75			RIGID	None	None	RIGID	Typical
24	M41A	N78	N77B			RIGID	None	None	RIGID	Typical
25	M43A	N80A	N79			RIGID	None	None	RIGID	Typical
26	MP5C	N81	N86			Antenna Pipe	Column	Pipe	A53 Gr. B	
27	MP4C	N85	N90			Antenna Pipe	Column	Pipe	A53 Gr. B	
28	MP3C	N82	N87			Antenna Pipe	Column	Pipe	A53 Gr. B	
29	MP2C	N83	N88			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical



Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(dog)	Section/Shape	Type	Declar Het	r Maria wa r	B 4 B 1
30	MP1C	N84	N89	I NOOME	Totaletueu	Antenna Pipe	Column	Design List Pipe	Material A53 Gr. B	Design Rules
31	M49A	N96	N95			RIGID	None	None	RIGID	
32	M50A	N98A	N97A			RIGID	None			Typical
33	M51A	N100	N99			RIGID	None	None	RIGID	Typical
34	M52A	N102	N101			RIGID	None	None	RIGID	Typical
35	M54A	N104A	N103A			RIGID		None	RIGID	Typical
36	MP5B	N105	N110A			Antenna Pipe	None	None	RIGID	Typical
37	MP4B	N109A	N114				Column		A53 Gr. B	
38	MP3B	N106	N111			Antenna Pipe Antenna Pipe	Column		A53 Gr. B	
39	MP2B	N107	N112				Column		A53 Gr. B	Typical
40	MP1B	N108	N113			Antenna Pipe	Column		A53 Gr. B	
41	M53	N96A	N99A			Antenna Pipe	Column		A53 Gr. B	
42	M54	N95A				RIGID	None	None	RIGID	Typical
43	M55B	N94	N98B			RIGID	None	None	RIGID	Typical
44	M57B	N104B	N97B			RIGID	None	None	RIGID	Typical
45	M58B		N107B			RIGID	None	None	RIGID	Typical
46		N103B	N106A			RIGID	None	None	RIGID	Typical
	M59B	N102A	N105A			RIGID	None	None	RIGID	Typical
47	M61	N42	N43			Standoff Horiz	Beam	Tube	A500 Gr	Typical
48	M62	N71A	N111A		270	Cross Brace	Beam	Single Angle		Typical
49	M63	N110B	N71A		270	Cross Brace	Beam	Single Angle		Typical
50	M57	N69	N112B		270	Cross Brace	Beam	Single Angle	A36 Gr.36	Typical
51	M58	N112A	N69		270	Cross Brace	Beam	Single Angle		Typical
52	M59	N70	N115A		270	Cross Brace	Beam	Single Angle	A36 Gr.36	Typical
53	M60	N107A	N70		270	Cross Brace	Beam	Single Angle		Typical
54	M61A	N122	N123			Grating Brace	Beam	Single Angle	A36 Gr.36	Typical
55	M62A	N123	N113A			RIGID	None	None	RIGID	Typical
56	M63A	N124	N125		270	Grating Brace	Beam	Single Angle		Typical
57	M64	N125	N115B			RIGID	None	None	RIGID	Typical
58	M72A	N134A	N135A		90	End Plate	Beam	RECT	A36 Gr.36	Typical
59	M71A	N136	N137		90	End Plate	Beam	RECT	A36 Gr.36	Typical
60	M72B	N138	N139		90	End Plate	Beam	RECT	A36 Gr.36	Typical
61	M73	N140	N141			RIGID	None	None	RIGID	Typical
62	M74A	N143	N142			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
63	M75	N122	N145			RIGID	None	None	RIGID	Typical
64	M76	N146	N124			RIGID	None	None	RIGID	Typical
65	M69	N149	N150			Grating Brace	Beam	Single Angle	A36 Gr.36	Typical
66	M70	N150	N147			RIGID	None	None	RIGID	Typical
67	M71	N151	N152		270	Grating Brace	Beam	Single Angle	A36 Gr.36	Typical
68	M72	N152	N148			RIGID	None	None	RIGID	Typical
69	M73A	N149	N153			RIGID	None	None	RIGID	Typical
70	M74B	N154	N151			RIGID	None	None	RIGID	Typical
71	M75A	N157	N158			Grating Brace		Single Angle		Typical
72	M76A	N158	N155			RIGID	None	None	RIGID	Typical
73	M77A	N159	N160		270	Grating Brace	Beam	Single Angle	A36 Gr.36	
74	M78	N160	N156		0	RIGID	None	None None	RIGID	Typical
75	M79	N157	N161			RIGID	None	None		Typical
76	M80A	N162	N159			RIGID	None	None	RIGID	Typical
77	M79A	N148A	N149A			Standoff Horiz	Beam		RIGID A500 Gr	Typical
78	M80B	N150A	N151B			Standoff Horiz			A500 Gr	Typical
79	M81	N152A	N153A			Face Horizontal	Beam		A500 Gr	Typical
80	M82	N153A	N2			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
81	M83	N154A	N155A			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
82	M84	N155A	N14			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
83	M85	N156A	N157A				Beam	Pipe	A53 Gr. B	Typical
84	M86	N157A				Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
85	M85A	N161A	N26			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
86	LM2	N163	N160A			RIGID	None	None	RIGID	Typical
	LIVIZ	LAIOO	N162A			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	per Prima Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List		Design Rul
87	M87	N165	N164			RIGID	None	None	RIGID	<u>Typical</u>
88	M88	N167	N166			RIGID	None	None	RIGID	Typical
89	LM1	N169	N168			RIGID	None	None	RIGID	Typical
	LV	N159A	N158A			Support Rail	Beam	Pipe	A53 Gr. B	Typica
90		N173	N172			RIGID	None	None	RIGID	Typica
91	M91	N175	N174			RIGID	None	None	RIGID	Typica
92	M92	N177	N176			RIGID	None	None	RIGID	<u>Typica</u>
93	M93	N179	N178			RIGID	None	None	RIGID	Typica
94	M94		N180			RIGID	None	None	RIGID	Typica
95	M95	N181	N170			Support Rail	Beam	Pipe	A53 Gr. B	Typica
96	M96	N171	N170			RIGID	None	None	RIGID	Typica
97	M97	N185				RIGID	None	None	RIGID	Typica
98	M98	N187	N186			RIGID	None	None	RIGID	Typica
99	M99	N189	N188			RIGID	None	None	RIGID	Typica
100	M100	N191	N190			RIGID	None	None	RIGID	Typica
101	M101	N193	N192			Support Rail	Beam		A53 Gr. B	Typica
102	M102	N183	N182		_	RIGID	None	None	RIGID	Typica
103	M103	N194	N195		-	RIGID	None	None	RIGID	Typica
104	M104	N196	N197		_	RIGID	None	None	RIGID	Typica
105	M105	N198	N199		-	RIGID	None	None	RIGID	Typica
106	M106	N200	N201			RIGID	None	None	RIGID	Typica
107	M107A	N202	N203			RIGID	None	None	RIGID	Typica
108	M108	N204	N205		00	Support Rail C	Beam	Single Angle	A36 Gr.36	Typica
109	M109	N195	N205		90	Support Rail C	Beam	Single Angle	A36 Gr.36	Typica
110	M110	N199	N197		90	Support Rail C	Beam	Single Angle		Typica
111	M111	N203	N201		90		Beam	Single Angle	-	Typica
112	M112	N207	N212A			V-Bracing		Single Angle	-	Typica
113	M113	N212A	N208_			V-Bracing	Beam	Single Angle	A36 Gr.36	Typica
114	M114	N209	N211			V-Bracing	Beam			Typica
115	M115	N211	N210			V-Bracing	Beam	Single Angle		Typica
116	M116	N212	N214			V-Bracing	Beam	Single Angle	1	Typica
117	M117	N214	N213			V-Bracing	Beam	Single Angle	A30 01.30	LAPICE

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	the same of the sa	Defl Rat. Analysis	Inactive	Seismic.
1	M40						Yes			None
2	M41						Yes			None
_							Yes			None
3	M42	4					Yes			None
4	M43	D. DIN					Yes	** NA **		None
5	M44	BenPIN					Yes	** NA **		None
6	M45	BenPIN					Yes	** NA **		None
7	M46	BenPIN_				-	Yes	** NA **		None
8	M74						_	** NA **		None
9	M77						Yes	** NA **		None
10	M80						Yes			None
11	M107						Yes	** NA **		None
12	M37A						Yes			
13	M38A						Yes			None
14	M39A						Yes			None
							Yes	** NA **		None
15	M40A						Yes	** NA **		None
16	MP5A						Yes	** NA **		None
17	MP4A						Yes	** NA **		None
18	MP3A						Yes	** NA **		None
19	MP2A						Yes	** NA **		None
20	MP1A							** NA **		None
21	M38B						Yes	INA		THORIC



Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physica	Defl RatAnalysis	Inactive	Seismic.
22	M39B						Yes	** NA **		None
23	M40B						Yes	** NA **		None
24	M41A						Yes	** NA **		None
25	M43A						Yes	** NA **		None
26	MP5C						Yes	** NA **		None
27	MP4C						Yes	** NA **		None
28	MP3C						Yes	** NA **		None
29	MP2C						Yes	** NA **		None
30	MP1C						Yes	** NA **		None
31	M49A						Yes	** NA **		None
32	M50A						Yes	** NA **		None
33	M51A	_					Yes	** NA **		None
34	M52A						Yes	** NA **		
35	M54A						Yes	** NA **		None
36	MP5B						Yes	** NA **		None
37	MP4B						Yes	** NA **		None
38	MP3B						Yes	** NA **		None
39	MP2B						Yes	** NA **		None
40	MP1B							** NA **		None
41	M53	BenPIN					Yes			None
42	M54	BenPIN					Yes	** NA **		None
43	M55B	BenPIN					Yes	** NA **		None
44	M57B	BenPIN					Yes	** NA **		None
45	M58B	BenPIN					Yes	** NA **		None
46	M59B	BenPIN					Yes	** NA **		None
47	M61	Denriin					Yes	** NA **		None
48	M62						Yes			None
49	M63						Yes			None
50	M57						Yes			None
51	M58						Yes			None
52	M59						Yes			None
53	M60	 					Yes			None
54	M61A	Do-DIN.	DDIN				Yes			None
55	M62A	BenPIN	BenPIN				Yes	Default		None
56	M63A	PowDINI.	DDIN				Yes	** NA **		None
57	M64	BenPIN	BenPiN				Yes	Default		None
58	M72A						Yes	** NA **		None
59	M71A						Yes			None
60							Yes			None
	M72B M73						Yes	Default		None
61							Yes	** NA **		None
62	M74A						Yes	** NA **		None
63 64	M75						Yes	** NA **		None
	M76	Do-DIN	D				Yes	** NA **		None
65	M69	BenPIN	BenPIN				Yes	Default		None
66	M70	D. Ditt	B 500				Yes	** NA **		None
67	M71	BenPIN	BenPIN				Yes	Default		None
68	M72						Yes	** NA **		None
69	M73A						Yes	** NA **		None
70	M74B						Yes	** NA **		None
71	M75A	BenPIN	BenPIN				Yes	Default		None
72	M76A						Yes	** NA **		None
73	M77A	BenPIN	BenPIN				Yes	Default		None
74	M78						Yes	** NA **		None
75	M79						Yes	** NA **		None
76	M80A						Yes	** NA **		None
77	M79A						Yes			None
78	M80B						Yes			None



Member Advanced Data (Continued)

	ber Adva	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only		Defl Rat	Analysis	Inactive	Seismic
79	M81	Release	O I (CICODO	- Consequent		S 6-6-70%	Yes				None
80	M82						Yes				None
81	M83						Yes				None
82	M84	-		4			Yes				None
83	M85						Yes				None
	M86	-					Yes				None
84	M85A						Yes	** NA **			None
85	LM2						Yes	** NA **			None
86	M87						Yes	** NA **			None
87		-					Yes	** NA **			None
88	M88_						Yes	** NA **			None
89	LM1						Yes				None
90	LV	-					Yes	** NA **			None
91	M91		_				Yes	** NA **			None
92	M92						Yes	** NA **			None
93	M93						Yes	** NA **			None
94	M94_				-		Yes	** NA **			None
95	<u>M95</u>						Yes				None
96	M96						Yes	** NA **			None
97	M97	-					Yes	** NA **			None
98	<u>M98</u>						Yes	** NA **			None
99	M99_						Yes	** NA **			None
100	M100				-		Yes	** NA **			None
101	M101						Yes	TW.			None
102	M102						Yes	** NA **			None
103	M103	00000X				-	Yes	** NA **			None
104	M104	00000X					Yes	** NA **			None
105	M105	00000X					Yes	** NA **			None
106	M106	00000X					Yes	** NA **			None
107	M107A	00000X				_	Yes	** NA **			None
108	M108	00000X						INA			None
109	M109_						Yes				None
110	M110						Yes		-		None
111	M111						Yes				Non
112	M112	BenPIN	BenPIN				Yes	-			None
113	M113	BenPIN	BenPIN				Yes				Non
114	M114	BenPIN	BenPIN				Yes				Non
115	M115	BenPIN	BenPIN				Yes	-			Non
116	M116	BenPIN	BenPIN				Yes				Non
117	M117	BenPIN	BenPIN				Yes				INOH

Member Point Loads (BLC 1 : Antenna D)

	Olit Loads (DLO 117	Direction	Magnitude[lb.k-ft]	Location[ft.%]
	Member Label	V	-70.3	2.5
1	MP3A		.035	2.5
2	MP3A	My	.033	2.5
3	MP3A	Mz		
4	MP3B	Y	-70.3	2.5
5	MP3B	My	.018	2.5
	MP3B	Mz	.03	2.5
6		V	-70.3	2.5
7	MP3C	My	018	2.5
8	MP3C	1000	03	2.5
9	MP3C	Mz		1
10	MP3A	Y	-23	
11	MP3A	My	011	
12	MP3A	Mz	.017	
13	MP3A	Y	-23	6



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

14	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP3A	My	011	6
16	MP3A MP3B	Mz	.017	6
17	MP3B	Y	-23	1
18	MP3B	My	021	1
19	MP3B	Mz	001	1
20	MP3B	Y	-23	6
21	MP3B	My	021	6
22	MP3C	Mz	001	6
23	MP3C	Y	-23	1
24	MP3C	My	.021	11
25	MP3C	Mz Y	.001	
26	MP3C		-23	6
27	MP3C	My	.021	6
28	MP3A	Mz	.001	6
29	MP3A	My	-23	1
30	MP3A	Mz	011	11
31	MP3A	Y	017	
32	MP3A		-23	6
33	MP3A	My	011	6
34	MP3B	Mz Y	017	6
35	MP3B		-23	
36	MP3B	My	.017	1
37	MP3B MP3B	Mz	011	1
38	MP3B	Y	-23	6
39	MP3B	My	.017	6
40	MP3C	Mz	011	6
41	MP3C	Y	-23	
42	MP3C	My	009	1
43	MP3C	Mz	.019	1
44	MP3C	Y	-23	6
45	MP3C	My	009	6
46	MP4A	Mz Y	.019	6
47	MP4A		-43.55	2.5
48	MP4A	My	022	2.5
49	MP4A	Mz Y	0	2.5
50	MP4A	Mv	-43.55	4.5
51	MP4A	Mz	022	4.5
52	MP4B	Y	0	4.5
53	MP4B	Mv	-43.55	2.5
54	MP4B	Mz	011	2.5
55	MP4B	Y	019	2.5
56	MP4B	My	-43.55	4.5
57	MP4B	Mz	011	4.5
58	MP4C	Y	019	4.5
59	MP4C	My	-43.55	2.5
60	MP4C	Mz	.011	2.5
61	MP4C	Y	.019	2.5
62	MP4C	My	-43.55	4.5
63	MP4C	Mz	.011	4.5
64	M74A	Y	.019	4.5
65	M74A	My	-32	1.5
66	M74A	Mz	0	1.5
67	MP2A	Y	0	1.5
68	MP2A		-74.7	2.5
69	MP2A	My Mz	.037	2.5
70	MP2B	Y	0	2.5
	IV(L Z L)	T. Y	-74.7	2.5



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

N	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
71	MP2B	My	.019	2.5
72	MP2B	Mz	.032	2.5
73	MP2C	Y	-74.7	2.5
74	MP2C	My	019	2.5
75	MP2C	Mz	032	2.5
76	MP2A	Y	-6	2
77	MP2A	My	003	2
78	MP2A	Mz	0	2
79	MP2A	Y	-6	5
80	MP2A	My	003	5
81	MP2A	Mz	0	5
82	MP2B	Y	-6	2
83	MP2B	My	.002	2
	MP2B	Mz	003	2
84	MP2B	Y	-6	5
85 86	MP2B	My	.002	5
	MP2B	Mz	003	5
87	MP2C	Y	-6	2
88	MP2C	My	.002	2
89	MP2C	Mz	.003	2
90	MP2C	Y	-6	5
91	MP2C	My	.002	5
92	MP2C	Mz	.003	5
93	MP5A	Ÿ	-6	2
94	MP5A	My	003	2
95	MP5A	Mz	0	2
96	MP5A	Y	-6	5
97	MP5A	My	003	5
98		Mz	0	5
99	MP5A	Y	-6	2
100	MP5B	Mv	.002	2
101	MP5B	Mz	003	2
102	MP5B	Y	-6	5
103	MP5B	My	.002	5
104	MP5B	Mz	003	5
105	MP5B	Y	-6	2
106	MP5C	My	.002	2
107	MP5C	Mz	.003	2
108	MP5C	Y	-6	5
109	MP5C	My	.002	5
110	MP5C	Mz	.003	5
111	MP5C	Y	-17.6	.5
112	MP3A	My	.009	.5
113	MP3A		0	.5
114	MP3A	Mz Y	-17.6	.5
115	MP3B		.004	.5
116	MP3B	My	.008	.5
117	MP3B	Mz	.000	• • • • • • • • • • • • • • • • • • • •

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
	MP3A	Y	-43.058	2.5
1	MP3A	My	.022	2.5
2		Mz	0	2.5
3	MP3A	V	-43.058	2.5
4	MP3B	My	.011	2.5
5	MP3B		.019	2.5
6	MP3B	Mz	,010	



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

7 1	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP3C	Y	-43.058	2.5
8	MP3C	My	011	2.5
9	MP3C	Mz	019	2.5
10	MP3A	Υ	-83.017	1
11	MP3A	My	042	1
12	MP3A	Mz	.062	1
13	MP3A	Υ	-83.017	6
14	MP3A	My	042	6
15	MP3A	Mz	.062	6
16	MP3B	Y	-83.017	1
17	MP3B	My	075	1
18	MP3B	Mz	005	1
19	MP3B	Y	-83.017	6
20	MP3B	My	075	6
21	MP3B	Mz	005	6
22	MP3C	Y	-83.017	1
23	MP3C	My	.075	1
24	MP3C	Mz	.005	1
25	MP3C	Y	-83.017	6
6	MP3C	My	.075	6
7	MP3C	Mz	.005	6
28	MP3A	Υ	-83.017	1
29	MP3A	My	042	1
80	MP3A	Mz	062	1
1	MP3A	Y	-83.017	6
2	MP3A	My	042	6
3	MP3A	Mz	062	6
4	MP3B	Y	-83.017	1
5	MP3B	My	.062	1
36	MP3B	Mz	042	1
37	MP3B	Υ	-83.017	6
8	MP3B	My	.062	6
9	MP3B	Mz	042	6
0	MP3C	Υ	-83.017	1
1	MP3C	My	033	1
2	MP3C	Mz	.067	1
3	MP3C	Υ	-83.017	6
4	MP3C	My	033	6
5	MP3C	Mz	.067	6
6	MP4A	Y	-35.859	2.5
7	MP4A	My	018	2.5
8	MP4A	Mz	0	2.5
9	MP4A	Y	-35.859	4.5
0	MP4A	My	018	4.5
1	MP4A	Mz	0	4.5
2	MP4B	Y	-35.859	2.5
3	MP4B	My	009	2.5
4	MP4B	Mz	016	2.5
5	MP4B	Y	-35.859	4.5
6	MP4B	My	009	4.5
7	MP4B	Mz	016	4.5
8	MP4C	Y	-35.859	2.5
9	MP4C	My	.009	2.5
0	MP4C	Mz	.016	2.5
1	MP4C	Y	-35.859	4.5
2	MP4C	My	.009	4.5
3	MP4C	Mz	.016	4.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	M74A	Y	-88.508	1.5 1.5
35	M74A	My	0	
66	M74A	Mz	0	1.5 2.5
67	MP2A	Y	-45.214	
68	MP2A	My	.023	2.5
69	MP2A	Mz	0	2.5
70	MP2B	Y	-45.214	2.5
71	MP2B	My	.011	2.5
72	MP2B	Mz	.02	2.5
73	MP2C	Y	-45.214	2.5 2.5
74	MP2C	My	011	
75	MP2C	Mz	02	2.5
76	MP2A	Y	-40.158	2
77	MP2A	My	02	2
78	MP2A	Mz	0	2
79	MP2A	Y	-40.158	5
30	MP2A	My	02	5
81	MP2A	Mz	0	5
82	MP2B	Y	-40.158	2
83	MP2B	My	.01	2
84	MP2B	Mz	017	2
85	MP2B	Υ	-40.158	5
86	MP2B	My	.01	5
87	MP2B	Mz	017	5
88	MP2C	Y	-40.158	2
89	MP2C	My	.01	2
90	MP2C	Mz	.017	2
91	MP2C	Y	-40.158	5
92	MP2C	My	.01	5
93	MP2C	Mz	.017	5
94	MP5A	Y	-40.158	2
95	MP5A	My	02	2
96	MP5A	Mz	0	2
97	MP5A	Y	-40.158	5
98	MP5A	My	02	5
99	MP5A	Mz	0	5
100	MP5B	Υ	-40.158	2
101	MP5B	My	.01	2
102	MP5B	Mz	017	2
103	MP5B	Y	-40.158	5
104	MP5B	My	.01	5
105	MP5B	Mz	017	5
106	MP5C	Y	-40,158	2
107	MP5C	My	.01	2
108	MP5C	Mz	.017	2
109	MP5C	Y	-40,158	5
110	MP5C	My	.01	5
111	MP5C	Mz	.017	5
112	MP3A	Y	-18.003	.5
113	MP3A	My	.009	.5
	MP3A	Mz	0	.5
114	MP3B	Y	-18.003	.5
116	MP3B	My	.005	.5
116	MP3B	Mz	.008	.5

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

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

	Member Label MP3A	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP3A	X Z	0	2.5
3	MP3A	Mx	-64.865	2.5
4	MP3B	X	0	2.5
5	MP3B	Z	-45.719	2.5
6	MP3B	Mx	-45.719	2.5
7	MP3C	X	02	2.5
8	MP3C	Z	-45.719	2.5
9	MP3C	Mx	-45.719 .02	2.5
10	MP3A	X	0	2.5
11	MP3A	Z	-98.971	
12	MP3A	Mx	074	1
13	MP3A	X	074	1
14	MP3A	Z	-98.971	6
15	MP3A	Mx	074	6
16	MP3B	X	0	6
17	MP3B	Ž	-80.296	1
18	MP3B	Mx	.005	1
19	MP3B	X	0	<u>1</u>
20	MP3B	Ž	-80.296	
21	MP3B	Mx	.005	6
22	MP3C	X	0	6
23	MP3C	Z	-80.296	
24	MP3C	Mx	005	1
25	MP3C	X	005	1
26	MP3C	Z	-80.296	6
27	MP3C	Mx	005	6
28	MP3A	X	005	6
29	MP3A	Z	-98.971	1
30	MP3A	Mx	.074	1
31	MP3A	X	0	
32	MP3A	Z	-98.971	6
33	MP3A	Mx	.074	6
34	MP3B	X	0	6
35	MP3B	Z	-74.071	1
36	MP3B	Mx	.037	
37	MP3B	X	0	6
38	MP3B	Z	-74.071	6
39	MP3B	Mx	.037	6
40	MP3C	X	0	1
41	MP3C	Z	-80.296	1
42	MP3C	Mx	065	
43	MP3C		0	
44	MP3C	X	-80.296	6
45	MP3C	Mx	065	6
46	MP4A	X	005	2.5
47	MP4A	Z	-82.022	2.5
48	MP4A	Mx	0	2.5 2.5
49	MP4A	X	0	<u>2.5</u> 4.5
50	MP4A	Z	-82.022	4.5
51	MP4A	Mx	0	4.5
52	MP4B	X	0	2.5
53	MP4B	Z	-41.691	2.5
54	MP4B	Mx	.018	2.5
55	MP4B	X	0	2.5 4.5
56	MP4B	Z	-41.691	4.5
57	MP4B	Mx	.018	4.5 4.5

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

	Member Label	Direction	(Continued) Magnitude[ib,k-ft]	Location[ft.%]
58	MP4C	X	0	2.5 2.5
59	MP4C	Z	-41.691	2.5
60	MP4C	Mx	018 0	4.5
61	MP4C	X		4.5
62	MP4C	Z	-41.691	4.5
63	MP4C	Mx	018	1.5
64	M74A	X	0	1.5
65	M74A	Z	-108.805	1.5
66	M74A	Mx	0	2.5
67	MP2A	X	-64,865	2.5
68	MP2A	Z		2.5
69	MP2A	Mx	0	2.5
70	MP2B	X	-48.858	2.5
71	MP2B	Z	021	2.5
72	MP2B	Mx	021	2.5
73	MP2C	X	-48.858	2.5
74	MP2C	Z	.021	2.5
75	MP2C	Mx	0	2
76	MP2A	X	-90.601	2
77	MP2A	Z		2
78	MP2A	Mx	0	5
79	MP2A	X	0	5
80	MP2A	Z	-90,601	5
81	MP2A	Mx	0	2
82	MP2B	X	0	2
83	MP2B	Z	-79.378	2
84	MP2B	Mx	.034	5
85	MP2B	X	0	5
86	MP2B	Z	-79.378	5
87	MP2B	Mx	.034	2
88	MP2C	X	0	2
89	MP2C	Z	-79.378	2
90	MP2C	Mx	034	5
91	MP2C	X	0	5
92	MP2C	Z	-79.378	5
93	MP2C	Mx	034	2
94	MP5A	X	0	2
95	MP5A	Z	-90.601	2
96	MP5A	Mx	0	5
97	MP5A	X	0	5
98	MP5A	Z	-90.601	5
99	MP5A	Mx	0	2
100	MP5B	X	0 70 070	2
101	MP5B	Z	-79.378	2
102	MP5B	Mx	.034	5
103	MP5B	X	0	5
104	MP5B	Z	-79.378	5
105	MP5B	Mx	.034	2
106	MP5C	X	0	2
107	MP5C	Z	-79.378	2
108	MP5C	Mx	034	5
109	MP5C	X	0	5
110	MP5C	Z	-79.378	5
111	MP5C	Mx	034	.5
112	MP3A	X	0	.5
113	MP3A	Z	-40.174	.5
114	MP3A	Mx	0	.0



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP3B	X	0	5
116	MP3B	Z	-19.937	5
117	MP3B	Mx	009	<u>.</u> 5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1 2	MP3A	X	29.241	2.5
	MP3A	Z	-50.648	2.5
3 4	MP3A	Mx	.015	2.5
5	MP3B	X	29.241	2.5
	MP3B	Z	-50.648	2.5
7	MP3B	Mx	015	2.5
	MP3C	X	29.241	2.5
9	MP3C	Z	-50.648	2.5
10	MP3C	Mx	.015	2.5
11	MP3A	X	46.373	1
12	MP3A	Z	-80.32	11
	MP3A	Mx	083	1
13	MP3A	X	46.373	6
14	MP3A	Z	-80.32	6
15	MP3A	Mx	083	6
16	MP3B	X	46.373	1
17	MP3B	Z	-80.32	1
18	MP3B	Mx	037	1
19	MP3B	X	46.373	6
20	MP3B	Z	-80.32	6
21	MP3B	Mx	037	6
22	MP3C	X	46.373	1
23	MP3C	Z	-80.32	1
24	MP3C	Mx	.037	11
25	MP3C	X	46.373	6
26	MP3C	Z	-80.32	6
27	MP3C	Mx	.037	6
28	MP3A	X	46.373	
29	MP3A	Z	-80.32	1
30	MP3A	Mx	.037	1
31	MP3A	X	46.373	6
32	MP3A	Z	-80.32	6
33	MP3A	Mx	.037	6
34	MP3B	X	40.148	1
35	MP3B	Z	-69.539	1
36	MP3B	Mx	.065	1
37	MP3B	X	40.148	6
38	MP3B	Z	-69.539	6
39	MP3B	Mx	.065	6
40	MP3C	X	46.373	1
41	MP3C	Z	-80.32	1
42	MP3C	Mx	083	
43	MP3C	X	46.373	6
44	MP3C	Z	-80.32	6
45	MP3C	Mx	083	6
46	MP4A	X	34.289	2.5
47	MP4A	Z	-59.391	2.5
48	MP4A	Mx	017	2.5
49	MP4A	X	34.289	4.5
50	MP4A	Z	-59.391	4.5



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

	Member Label	Antenna Wo (30 Deg	Magnitude[lb,k-ft]	Location[ft,%]
51	MP4A	Mx	017	4.5
2	MP4B	X	34.289	2.5
3	MP4B		-59.391	2.5
4	MP4B	Mx	.017	2.5
55	MP4B	X	34.289	4.5
56	MP4B	Z	-59.391	4.5
57	MP4B	Mx	.017	4.5
58	MP4C	X	34.289	2.5
59	MP4C	Z	-59.391	2.5
60	MP4C	Mx	017	2.5
31	MP4C	X	34.289	4.5
52	MP4C	Z	-59.391	4.5
63	MP4C	Mx	017	4.5
54	M74A	X	50,427	1.5
35	M74A	Z	-87.342	1.5
36	M74A	Mx	0	1.5
67	MP2A	X	29.765	2.5
58	MP2A	Z	-51.554	2.5
69	MP2A	Mx	.015	2.5
70	MP2B	X	29.765	2.5
71	MP2B	Z	-51.554	2.5
72	MP2B	Mx	015	2.5
73	MP2C	X	29.765	2.5
74	MP2C	Z	-51.554	2.5
75	MP2C	Mx	.015	2.5
76	MP2A	X	43.43	2
77	MP2A	Z	-75.223	2
78	MP2A	Mx	022	2
79	MP2A	X	43.43	5
80	MP2A	Z	-75.223	5
81	MP2A	Mx	022	5
82	MP2B	X	37.818	2
83	MP2B	Z	-65.503	2
84	MP2B	Mx	.038	2
85	MP2B	X	37.818	5
86	MP2B	Z	-65.503	5
87	MP2B	Mx	.038	5
88	MP2C	X	43.43	2
89	MP2C	Z	-75.223	2
90	MP2C	Mx	022	2
91	MP2C	X	43.43	5
92	MP2C	Z	-75.223	5
93	MP2C	Mx	022	5
94	MP5A	X	43.43	2
95	MP5A	Z	-75.223	2
96	MP5A	Mx	022	2
97	MP5A	X	43.43	5
98	MP5A	Z	-75.223	5
99	MP5A	Mx	022	5
100	MP5B	X	37.818	2
01	MP5B	Z	-65.503	2
102	MP5B	Mx	.038	2
103	MP5B	X	37.818	5
	MP5B	Z	-65.503	5
104 105	MP5B	Mx	.038	5
	MP5C	X	43.43	2
106 107	MP5C	Z	-75.223	2



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
108	MP5C	Mx	022	2
109	MP5C	X	43.43	5
110	MP5C	Z	-75.223	5
111	MP5C	Mx	022	5
112	MP3A	X	16.714	5
113	MP3A	Z	-28.95	5
114	MP3A	Mx	.008	5
115	MP3B	X	16.714	5
116	MP3B	Z	-28.95	5
117	MP3B	Mx	008	.5

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

1 2 3 4 5	MP3A MP3A MP3A MP3B	X Z Mx	Magnitude[lb,k-ft] 39.594 -22.86	Location[ft,%] 2.5
3 4 5	MP3A MP3B	Z		
5	MP3B	MA	-22.00	2.5
5		IVIX	.02	2.5
		X	56.174	2.5
	MP3B	Z	-32.432	2.5
6	MP3B	Mx	0	2.5
7	MP3C	X	56.174	2.5
8	MP3C	Z	-32.432	2.5
9	MP3C	Mx	0	2.5
10	MP3A	X	69.539	1
11	MP3A	Z	-40.148	1
12	MP3A	Mx	065	
13	MP3A	X	69.539	6
14	MP3A	Z	-40.148	6
15	MP3A	Mx	065	6
16	MP3B	X	85.711	1
17	MP3B	Z	-49.485	1
18	MP3B	Mx	074	
19	MP3B	X	85.711	6
20	MP3B	Z	-49.485	6
21	MP3B	Mx	074	6
22	MP3C	X	85.711	1
23	MP3C	Z	-49.485	1
24	MP3C	Mx	.074	1
25	MP3C	X	85.711	6
26	MP3C	Z	-49.485	6
27	MP3C	Mx	.074	6
28	MP3A	X	69.539	1
29	MP3A	Z	-40.148	1
30	MP3A	Mx	005	1
31	MP3A	X	69.539	6
32	MP3A	Z	-40.148	6
33	MP3A	Mx	005	6
34	MP3B	X	80.32	
35	MP3B	Z	-46.373	1
36	MP3B	Mx	.083	
37	MP3B	X	80.32	6
38	MP3B	Z	-46.373	6
39	MP3B	Mx	.083	6
40	MP3C	X	85.711	1
41	MP3C	Z	-49.485	1
42	MP3C	Mx	074	
43	MP3C	X	85.711	6



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
14	MP3C	Z	-49.485	6
5	MP3C	Mx	074	2.5
16	MP4A	X	36.106	2.5
47	MP4A	Z	-20.846 018	2.5
48	MP4A	Mx	36.106	4.5
49	MP4A	X	-20.846	4.5
50	MP4A	Z	018	4.5
51	MP4A	Mx	71.033	2.5
52	MP4B	X	-41.011	2.5
53	MP4B	Z	-41.011	2.5
54	MP4B	Mx	71.033	4.5
55	MP4B	X	-41.011	4.5
56	MP4B		0	4.5
57	MP4B	Mx	71.033	2.5
58	MP4C	X	-41.011	2.5
59	MP4C		0	2.5
60	MP4C	Mx	71.033	4.5
61	MP4C	X Z	-41.011	4.5
62	MP4C		0	4.5
63	MP4C	Mx X	94.228	1.5
64	M74A	Z	-54.403	1.5
65	M74A	Mx	0	1.5
66	M74A		42.312	2.5
67	MP2A	X	-24.429	2.5
68	MP2A		.021	2.5
69	MP2A	Mx X	56.174	2.5
70	MP2B	Ž	-32.432	2.5
71	MP2B		0	2.5
72	MP2B	Mx X	56.174	2.5
73	MP2C	Ž	-32.432	2.5
74	MP2C		0	2.5
75	MP2C	Mx X	68.743	2
76	MP2A	Ž	-39.689	2
77	MP2A		034	2
78	MP2A	Mx X	68.743	5
79	MP2A	Ž	-39.689	5
80	MP2A		034	5
81	MP2A	Mx X	68.743	2
82	MP2B	Z	-39.689	2
83	MP2B	Mx	.034	2
84	MP2B	X	68.743	5
85	MP2B	Z	-39.689	
86	MP2B	Mx	.034	5
87	MP2B	X	78.463	2
88	MP2C	Z	-45.301	2
89	MP2C	Mx	0	2
90	MP2C	X	78.463	5
91	MP2C	Z	-45.301	5
92	MP2C	Mx	0	5
93	MP2C	X	68.743	2
94	MP5A	Z	-39.689	2
95	MP5A		034	2
96	MP5A	Mx	68.743	5
97	MP5A	X Z	-39.689	5
98	MP5A		034	5
99	MP5A	Mx X	68.743	2



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
101	MP5B	Z	-39.689	2
102	MP5B	Mx	.034	2
103	MP5B	X	68.743	5
104	MP5B	Z	-39.689	5
105	MP5B	Mx	.034	5
106	MP5C	X	78.463	2
107	MP5C	Z	-45.301	2
108	MP5C	Mx	0	2
109	MP5C	X	78.463	5
110	MP5C	Z	-45.301	5
111	MP5C	Mx	0	5
112	MP3A	X	17.266	.5
113	MP3A	Z	-9.969	.5
114	MP3A	Mx	.009	.5
115	MP3B	X	34.792	.5
116	MP3B	Z	-20.087	.5
117	MP3B	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	39.337	2.5
2	MP3A	X	0	2.5
3	MP3A	Mx	.02	2.5
4	MP3B	X	58.483	2.5
5	MP3B	Z	0	2.5
6	MP3B	Mx	.015	2.5
7	MP3C	X	58.483	2.5
8	MP3C	Z	0	2.5
9	MP3C	Mx	015	2.5
10	MP3A	X	74.071	1
11	MP3A	Z	0	1
12	MP3A	Mx	037	1
13	MP3A	X	74.071	6
14	MP3A	Z	0	6
15	MP3A	Mx	037	6
16	MP3B	X	92.746	1
17	MP3B	Z	0	1
18	MP3B	Mx	083	1
19	MP3B	X	92.746	6
20	MP3B	Z	0	6
21	MP3B	Mx	083	6
22	MP3C	X	92.746	1
23	MP3C	Z	0	1
24	MP3C	Mx	.083	
25	MP3C	X	92.746	6
26	MP3C	Z	0	6
27	MP3C	Mx	.083	6
28	MP3A	X	74.071	1
29	MP3A	Z	0	1
30	MP3A	Mx	037	
31	MP3A	X	74.071	6
32	MP3A	Ž	0	6
33	MP3A	Mx	037	6
34	MP3B	X	98.971	1
35	MP3B	7	0	1
36	MP3B	Mx	.074	4

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

	er Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
	P3B	X	98.971	6
38 M	P3B		.074	6
	P3B	Mx	92.746	1
10 M	P3C	X	92.746	i
	P3C	Z	037	i
42 M	P3C	Mx	92.746	6
13 M	P3C	X		6
44 M	P3C	Z	037	6
	P3C	Mx	28.248	2.5
16 M	P4A	X	0	2.5
17 M	P4A	Z	014	2.5
	P4A	Mx		4.5
19 M	P4A	X	28.248	4.5
50 M	P4A	Z	0	4.5
51 M	P4A	Mx	014	2.5
52 M	P4B	X	68.579	2.5
53 M	P4B	Z	0	2.5
54 M	P4B	Mx	017	4.5
55 M	P4B	X	68.579	4.5
56 M	P4B	Z	0	4.5
57 M	P4B	Mx	017	2.5
	P4C	X	68.579	2.5
	P4C	Z	0	
	P4C	Mx	.017	2.5
	P4C	X	68.579	4.5 4.5
	P4C	Z	0	4.5
63 M	P4C	Mx	.017	4.5
	74A	X	124.708	1.5
	74A	Z	0	1.5
66 M	74A	Mx	0	1,5
	IP2A	X	43.522	2.5
	P2A	Z	0	2.5
	P2A	Mx	.022	2.5
70 N	IP2B	X	59.529	2.5
	IP2B	Z	0	2.5
	IP2B	Mx	.015	2.5
73 M	P2C	X	59.529	2.5
	P2C	Z	0	2.5
	P2C	Mx	015	2.5
	IP2A	X	75.637	2
	1P2A	Z	0	2
	IP2A	Mx	038	2
	IP2A	X	75.637	5
	1P2A	Z	0	5
	1P2A	Mx	038	5
	MP2B	X	86.86	2
	MP2B	Z	0	2
		Mx	.022	2
	MP2B	X	86.86	5
	1P2B	Ž	0	5
	MP2B	Mx	.022	5
	MP2B	X	86.86	2
	1P2C	Z	0	2
	IP2C		.022	2
	1P2C	Mx	86.86	5
	1P2C	X	0	5
<u></u>	1P2C		.022	5
93 N	1P2C	- Mx	.022	Trace of the second sec

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP5A	X	75.637	2
95	MP5A	Z	0	2
96	MP5A	Mx	038	2
97	MP5A	X	75.637	5
98	MP5A	Z	0	5
99	MP5A	Mx	038	5
100	MP5B	X	86.86	2
101	MP5B	Z	0	2
102	MP5B	Mx	.022	2
103	MP5B	X	86.86	5
104	MP5B	Z	0	5
105	MP5B	Mx	.022	5
106	MP5C	X	86.86	2
107	MP5C	Z	0	2
108	MP5C	Mx	.022	2
109	MP5C	X	86.86	5
110	MP5C	Z	0	5
111	MP5C	Mx	.022	5
112	MP3A	X	13.191	.5
113	MP3A	Z	0	.5
114	MP3A	Mx	.007	.5
115	MP3B	X	33.429	.5
116	MP3B	Z	0	.5
117	MP3B	Mx	.008	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	39.594	2.5
2	MP3A	Z	22.86	2.5
3	MP3A	Mx	.02	2.5
4	MP3B	X	39.594	2.5
5	MP3B	Z	22.86	2.5
6	MP3B	Mx	.02	2.5
7	MP3C	X	39.594	2.5
8	MP3C	Z	22.86	2.5
9	MP3C	Mx	02	2.5
10	MP3A	X	69.539	1
11	MP3A	Z	40.148	1
12	MP3A	Mx	005	1
13	MP3A	X	69.539	6
14	MP3A	7	40.148	6
15	MP3A	Mx	005	6
16	MP3B	X	69.539	1
17	MP3B	Z	40.148	1
18	MP3B	Mx	065	1
19	MP3B	X	69.539	6
20	MP3B	Ž	40.148	6
21	MP3B	Mx	065	6
22	MP3C	X	69.539	1
23	MP3C	Z	40.148	1
24	MP3C	Mx	.065	1
25	MP3C	X	69.539	6
26	MP3C	Z	40.148	6
27	MP3C	Mx	.065	6
28	MP3A	X	69.539	0
29	MP3A	Z	40.148	1

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

	Point Loads (BLC 7 : A	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP3A	Mx	065	1
1	MP3A	X	69.539	6
2	MP3A	Z	40.148	6
	MP3A	Mx	065	6
33	MP3B	X	80.32	
34	MP3B	Z	46.373	1
35	MP3B	Mx	.037	1
36		X	80.32	6
37	MP3B	Ž	46.373	6
38	MP3B	Mx	.037	6
39	MP3B	X	69.539	1
10	MP3C	Z	40.148	1
11	MP3C		.005	1
12	MP3C	Mx	69.539	6
13	MP3C	X	40.148	6
14	MP3C	Z	.005	6
15	MP3C	Mx		2.5
16	MP4A	X	36.106	2.5
17	MP4A	Z	20.846	2.5
48	MP4A	Mx	018	4.5
49	MP4A	X	36.106	4.5
50	MP4A	Z	20.846	
51	MP4A	Mx	018	4.5
52	MP4B	X	36.106	2.5
53	MP4B	Z	20.846	2.5
	MP4B	Mx	018	2.5
54	MP4B	X	36.106	4,5
55	MP4B	Z	20.846	4.5
56	MP4B	Mx	018	4.5
57		X	36.106	2.5
58	MP4C	Z	20.846	2.5
59	MP4C	Mx	.018	2.5
60	MP4C	X	36.106	4.5
61	MP4C	Ž	20.846	4.5
62	MP4C		.018	4.5
63	MP4C	Mx	114.886	1.5
64	M74A	X	66.329	1.5
65	M74A	Z		1.5
66	M74A	Mx	0	2.5
67	MP2A	X	42.312	2.5
68	MP2A	Z	24,429	2.5
69	MP2A	Mx	.021	
70	MP2B	X	42.312	2.5
71	MP2B	Z	24.429	2.5
72	MP2B	Mx	.021	2.5
	MP2C	X	42.312	2.5
73	MP2C	Z	24.429	2.5
74	MP2C	Mx	021	2.5
75		X	68.743	2
76	MP2A	Z	39.689	2
77	MP2A	Mx	034	2
78	MP2A	X	68.743	5
79	MP2A	Z	39.689	5
80	MP2A		034	5
81	MP2A	Mx	78.463	2
82	MP2B	X		2
83	MP2B	Z	45.301	2
84	MP2B	Mx	70.462	5
85	MP2B	X	78.463	5
86	MP2B	Z	45.301	



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
87	MP2B	Mx	0	5
88	MP2C	X	68.743	2
89	MP2C	Z	39.689	2
90	MP2C	Mx	.034	2
91	MP2C	X	68.743	5
92	MP2C	Z	39.689	5
93	MP2C	Mx	.034	5
94	MP5A	X	68.743	2
95	MP5A	Z	39.689	2
96	MP5A	Mx	034	2
97	MP5A	X	68.743	5
98	MP5A	7	39.689	5
99	MP5A	Mx	034	5
100	MP5B	X	78.463	2
101	MP5B	7	45.301	2
102	MP5B	Mx	0	2
103	MP5B	X	78.463	5
104	MP5B	Z	45.301	5
105	MP5B	Mx	0	5
106	MP5C	X	68.743	2
107	MP5C	Ž	39.689	2
108	MP5C	Mx	.034	2
109	MP5C	X	68.743	5
110	MP5C	7	39.689	5
111	MP5C	Mx	.034	5
112	MP3A	X	17.266	.5
13	MP3A	7	9.969	.5
14	MP3A	Mx	.009	.5
15	MP3B	X	17.266	<u>.5</u> 5
16	MP3B	Z	9.969	.5 .5
17	MP3B	Mx	.009	5 5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	29.241	2.5
2	MP3A	Z	50.648	2.5
3	MP3A	Mx	.015	2.5
4	MP3B	X	19.669	2.5
5	MP3B	Z	34.067	2.5
6	MP3B	Mx	.02	2.5
7	MP3C	X	19.669	2.5
8	MP3C	7	34.067	
9	MP3C	Mx	02	2.5
10	MP3A	X		2.5
11	MP3A	7	46.373	
12	MP3A	Mx	80.32	
13	MP3A	X	.037	1
14	MP3A		46.373	6
15	MP3A	Z	80.32	6
16		Mx	.037	6
17	MP3B	X	37.036	1
	MP3B	Z	64.148	1
18	MP3B	Mx	037	1
19	MP3B	X	37.036	6
20	MP3B	Z	64.148	6
21	MP3B	Mx	037	6
22	MP3C	X	37.036	1 1/0

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

	Member Label	ntenna Wo (150 De	Magnitude[lb,k-ft]	Location[ft,%]
23	MP3C	Z	64.148	
24	MP3C	Mx	.037	11
25	MP3C	X	37.036	6
26	MP3C	Z	64.148	6
7	MP3C	Mx	.037	6
8	MP3A	X	46.373	
9	MP3A	Z	80.32	1
0	MP3A	Mx	083	1
1	MP3A	X	46.373	6
2	MP3A	Z	80.32	6
3	MP3A	Mx	083	6
34	MP3B	X	40.148	11
35	MP3B	Z	69.539	11
36	MP3B	Mx	005	1
37	MP3B	X	40.148	6
38	MP3B	Z	69.539	6
39	MP3B	Mx	005	6
10	MP3C	X	37.036	1
11	MP3C	Z	64.148	1
2	MP3C	Mx	.037	
3	MP3C	X	37.036	6
	MP3C	Z	64.148	6
14 15	MP3C	Mx	.037	6
16	MP4A	X	34,289	2.5
	MP4A	Z	59.391	2.5
17	MP4A	Mx	017	2.5
48	MP4A	X	34.289	4.5
49	MP4A	Z	59.391	4.5
50	MP4A	Mx	017	4.5
51	MP4B	X	14.124	2.5
52	MP4B	Z	24.463	2.5
53	MP4B	Mx	014	2.5
54	MP4B	X	14.124	4.5
55	MP4B	Z	24.463	4.5
56	MP4B	Mx	014	4.5
57	MP4C	X	14.124	2.5
58	MP4C	Z	24.463	2.5
59	MP4C	Mx	.014	2.5
60	MP4C	X	14.124	4,5
61 62	MP4C	Z	24.463	4.5
63	MP4C	Mx	.014	4.5
2004	M74A	X	62.354	1.5
64 65	M74A	Z	108	1.5
	M74A	Mx	0	1.5
66	MP2A	X	29.765	2.5
67	MP2A	Z	51.554	2.5
88	MP2A	Mx	.015	2.5
70	MP2B	X	21.761	2.5
	MP2B	Ž	37.691	2.5
71	MP2B	Mx	.022	2.5
72	MP2C	X	21.761	2.5
73	MP2C	Z	37.691	2.5
74	MP2C MP2C	Mx	022	2.5
75	MP2A	X	43.43	2
76	MP2A MP2A	Z	75.223	2
77	MP2A	Mx	022	2
78 79	MP2A	X	43.43	5



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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	2.5
2	MP3A	Z	64.865	2.5
3	MP3A	Mx	0	2.5
4	MP3B	X	0	2.5
5	MP3B	Z	45.719	2.5
6	MP3B	Mx	.02	2.5
7	MP3C	X	0	2.5
8	MP3C	Z	45.719	2.5
9	MP3C	Mx	02	2.5
10	MP3A	X	0	1
11	MP3A	Z	98.971	1
12	MP3A	Mx	.074	1
13	MP3A	X	0	6
14	MP3A	7	98.971	6
15	MP3A	Mx	.074	6

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

	Member Label	Direction	(g)) (Continued) Magnitude(lb,k-ft)	Location[ft.%]
6	MP3B	X	0	5 4
7	MP3B	Z	80.296	
8	MP3B	Mx	005	6
9	MP3B	X	0	6
20	MP3B	Z	80.296	6
21	MP3B	Mx	005	1
22	MP3C	X	0	4
23	MP3C	Z	80.296	
24	MP3C	Mx	.005	6
25	MP3C	X	0	6
26	MP3C	Z	80.296	6
27	MP3C	Mx	.005	1
28	MP3A	X	0	1
29	MP3A	Z	98.971	
30	MP3A	Mx	074	6
31	MP3A	X	0	6
32	MP3A	Z	98.971	6
33	MP3A	Mx	074	1
34	MP3B	X	74.074	1
35	MP3B	Z	74.071	
36	MP3B	Mx	037	6
37	MP3B	X	74.074	6
38	MP3B	Z	74.071	6
39	MP3B	Mx	037	1
40	MP3C	X	0	1
41	MP3C	Z	80.296 .065	
12	MP3C	Mx		6
43	MP3C	X	0	6
14	MP3C	Z	80.296	6
45	MP3C	Mx	,065 0	2.5
46	MP4A	X	82.022	2.5
47	MP4A	Z	0	2.5
48	MP4A	Mx	0	4.5
49	MP4A	X	82.022	4.5
50	MP4A	Z	0	4.5
51	MP4A	Mx	0	2.5
52	MP4B	X	41.691	2.5
53	MP4B		018	2.5
54	MP4B	Mx	010	4.5
55	MP4B	X	41.691	4.5
56	MP4B	Z	018	4.5
57	MP4B	Mx	016	2.5
58	MP4C	X 7	41.691	2.5
59	MP4C		.018	2.5
60	MP4C	Mx	0	4.5
51	MP4C	X	41.691	4.5
62	MP4C		.018	4.5
63	MP4C	Mx	0	1.5
64	M74A	X	108.805	1.5
65	M74A	Z	0	1.5
66	M74A	Mx	0	2.5
67	MP2A	X	64.865	2.5
68	MP2A	Z		2.5
69	MP2A	Mx	0	2.5
70	MP2B	X		2.5
71	MP2B	Z	48.858 .021	2.5
72	MP2B	Mx	.021	2.0

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP2C	X	0	2.5
74	MP2C	Z	48.858	2.5
75	MP2C	Mx	021	2.5
76	MP2A	X	0	2
77	MP2A	Z	90.601	2
78	MP2A	Mx	0	2
79	MP2A	X	0	5
80	MP2A	Z	90.601	5
81	MP2A	Mx	0	5
82	MP2B	X	0	2
83	MP2B	Z	79.378	2
84	MP2B	Mx	034	2
85	MP2B	X	0	5
86	MP2B	Z	79.378	5
87	MP2B	Mx	034	5
88	MP2C	X	0	2
89	MP2C	Z	79.378	2
90	MP2C	Mx	.034	2
91	MP2C	X	0	5
92	MP2C	Z	79.378	5
93	MP2C	Mx	.034	5
94	MP5A	X	0	2
95	MP5A	Z	90.601	2
96	MP5A	Mx	0	2
97	MP5A	X	0	5
98	MP5A	Z	90.601	5
99	MP5A	Mx	0	5
100	MP5B	X	0	2
101	MP5B	Z	79.378	2
102	MP5B	Mx	034	2
103	MP5B	X	0	5
104	MP5B	Z	79.378	5
105	MP5B	Mx	034	5
106	MP5C	X	0	2
107	MP5C	Z	79.378	2
108	MP5C	Mx	.034	2
109	MP5C	X	0	5
10	MP5C	Z	79.378	5
11	MP5C	Mx	.034	5
112	MP3A	X	0	.5
13	MP3A	Z	40.174	.5
14	MP3A	Mx	0	.5
15	MP3B	X	0	.5
16	MP3B	Z	19.937	.5
117	MP3B	Mx	.009	.5

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

	Member Label	Direction	Magnitude[lb_k-ft]	Location[ft,%]
1	MP3A	X	-29.241	2.5
2	MP3A	Z	50.648	2.5
3	MP3A	Mx	015	2.5
4	MP3B	X	-29.241	2.5
5	MP3B	Z	50.648	2.5
6	MP3B	Mx	.015	2.5
7	MP3C	X	-29.241	2.5
8	MP3C	Z	50.648	2.5

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

	Point Loads (BLC 10 : Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
9	MP3C	Mx	015	2.5
10	MP3A	X	-46.373	1
11	MP3A	Z	80.32	
12	MP3A	Mx	.083	6
13	MP3A	X	-46.373	6
14	MP3A	Z	80.32	6
15	MP3A	Mx	.083	1
16	MP3B	X	-46.373	1
17	MP3B	Z	80.32	3
18	MP3B	Mx	.037	6
19	MP3B	X	-46.373	6
20	MP3B	Z	80.32	6
21	MP3B	Mx	.037	1
22	MP3C	X	-46.373	1
23	MP3C	Z	80.32	
24	MP3C	Mx	037	6
25	MP3C	X	-46.373	6
26	MP3C	Z	80.32 037	6
27	MP3C	Mx	037 -46.373	1
28	MP3A	X	80.32	1
29	MP3A	Z	037	1
30	MP3A	Mx	-46.373	6
31	MP3A	X	80.32	6
32	MP3A	Z	037	6
33	MP3A	Mx	-40.148	1
34	MP3B	X	69.539	
35	MP3B	Z	065	
36	MP3B	Mx	-40.148	6
37	мрзв	X	69.539	6
38	MP3B	Z	065	6
39	MP3B	Mx	-46.373	4
40	MP3C	X	80.32	1
41	MP3C	Z	.083	1
42	MP3C	Mx	-46.373	6
43	MP3C	X	80.32	6
44	MP3C	Z	.083	6
45	MP3C	Mx	-34.289	2.5
46	MP4A	X	59.391	2.5
47	MP4A	Z	.017	2.5
48	MP4A	Mx	-34.289	4.5
49	MP4A	X	59.391	4.5
50	MP4A	Z	.017	4.5
51	MP4A	Mx	-34.289	2.5
52	MP4B	X	59.391	2.5
53	MP4B	Z	017	2.5
54	MP4B	Mx	-34.289	4.5
55	MP4B	X	59.391	4.5
56	MP4B		017	4.5
57	MP4B	Mx	-34.289	2.5
58	MP4C	X Z	59.391	2.5
59	MP4C		.017	2.5
60	MP4C	Mx	-34.289	4.5
61	MP4C	X	59.391	4.5
62	MP4C	Z	.017	4.5
63	MP4C	Mx	-50.427	1.5
64	M74A	X 7	87.342	1.5
65	M74A		01.344	1,0



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

F	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	M74A	Mx	0	1.5
67	MP2A	X	-29.765	2.5
68	MP2A	Z	51.554	2.5
69	MP2A	Mx	015	2.5
70	MP2B	X	-29.765	2.5
71	MP2B	Z	51.554	2.5
72	MP2B	Mx	.015	2.5
73	MP2C	X	-29.765	2.5
74	MP2C	Z	51.554	2.5
75	MP2C	Mx	015	2.5
76	MP2A	X	-43.43	2
77	MP2A	Z	75,223	2
78	MP2A	Mx	.022	2
79	MP2A	X	-43.43	5
80	MP2A	Z	75.223	5
81	MP2A	Mx	.022	5
82	MP2B	X	-37.818	2
83	MP2B	Z	65.503	2
84	MP2B	Mx	038	2
85	MP2B	X	-37.818	5
86	MP2B	Z	65.503	5
87	MP2B	Mx	038	5
88	MP2C	X	-43.43	2
89	MP2C	Z	75.223	2
90	MP2C	Mx	.022	2
91	MP2C	X	-43.43	5
92	MP2C	Z	75.223	5
93	MP2C	Mx	.022	5
94	MP5A	X	-43.43	2
95	MP5A	Z	75.223	2
96	MP5A	Mx	.022	2
97	MP5A	X	-43.43	5
98	MP5A	Z	75.223	5
99	MP5A	Mx	.022	5
100	MP5B	X	-37.818	2
101	MP5B	Z	65.503	2
102	MP5B	Mx	038	2
103	MP5B	X	-37.818	5
104	MP5B	Z	65.503	5
105	MP5B	Mx	038	5
106	MP5C	X	-43.43	2
107	MP5C	Z	75.223	2
108	MP5C	Mx	.022	2
109	MP5C	X	-43.43	2 5
110	MP5C	Z	75.223	5
111	MP5C	Mx	.022	5
112	MP3A	X	-16.714	.5
113	MP3A	Ž	28.95	.5
114	MP3A	Mx	008	.5
115	MP3B	X	-16.714	.5
116	MP3B	Z	28.95	.5
117	MP3B	Mx	.008	.5

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

	Member Label	Direction	Magnitude(lb,k-ft)	Location(ft %)
1	MP3A	X	-39.594	2.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP3A	Z	22.86	2,5
3	MP3A	Mx	02	2.5
4	MP3B	X	-56.174	2.5
5	MP3B	Z	32.432	2.5
6	MP3B	Mx	0	2.5
7	MP3C	X	-56.174	2.5
8	MP3C	Z	32.432	2.5
9	MP3C	Mx	0	2.5
10	MP3A	X	-69.539	1
11	MP3A	Z	40.148	1
12	MP3A	Mx	.065	1
13	MP3A	X	-69.539	6
14	MP3A	Z	40.148	6
15	MP3A	Mx	.065	6
16	MP3B	X	-85.711	
17	MP3B	Z	49.485	1
18	MP3B	Mx	.074	1
19	MP3B	X	-85.711	6
20	MP3B	Z	49.485	6
	MP3B	Mx	.074	6
21	MP3C	X	-85.711	11
	MP3C	Z	49.485	1
23	MP3C	Mx	074	1
24	MP3C	X	-85.711	6
25	MP3C	Z	49.485	6
26	MP3C	Mx	074	6
27	MP3A	X	-69.539	1
28	MP3A	Z	40.148	1
29	MP3A MP3A	Mx	.005	1
30		X	-69.539	6
31	MP3A MP3A	Z	40.148	6
32		Mx	.005	6
33	MP3A	X	-80.32	1
34	MP3B	Z	46.373	1
35	MP3B	Mx	083	1
36	MP3B	X	-80.32	6
37	MP3B	Z	46.373	6
38	MP3B	Mx	083	6
39	MP3B	X	-85.711	1
40	MP3C	Z	49.485	1
41	MP3C	Mx	.074	
42	MP3C		-85.711	6
43	MP3C	Z	49.485	6
44	MP3C	Mx	.074	6
45	MP3C	X	-36.106	2.5
46	MP4A	Z	20.846	2.5
47	MP4A	Mx	.018	2.5
48	MP4A	X	-36.106	4.5
49	MP4A	Z	20.846	4.5
50	MP4A		.018	4.5
51	MP4A	Mx	-71.033	2.5
52	MP4B	X	41.011	2.5
53	MP4B	Z	41.011	2.5
54	MP4B	Mx	-71.033	4.5
55	MP4B	X	41.011	4.5
56	MP4B	Z	41.011	4.5
57	MP4B	Mx		2.5
58	MP4C	X	-71.033	2.0

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

[FO]	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP4C	Z	41.011	2.5
60	MP4C	Mx	0	2.5
61	MP4C	X	-71.033	4.5
63	MP4C	Z	41.011	4.5
64	MP4C	Mx	0	4.5
	M74A	X	-94.228	1.5
65	M74A	Z	54.403	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	-42.312	2.5
68	MP2A	Z	24.429	2.5
69	MP2A	Mx	021	2.5
70	MP2B	X	-56.174	2.5
71	MP2B	Z	32.432	2.5
72	MP2B	Mx	0	2.5
73	MP2C	X	-56.174	2.5
74	MP2C	Z	32.432	2.5
75	MP2C	Mx	0	2.5
76	MP2A	X	-68.743	2
77	MP2A	Z	39.689	2
78	MP2A	Mx	.034	2
79	MP2A	X	-68.743	5
80	MP2A	Z	39.689	5
81	MP2A	Mx	.034	5
82	MP2B	X	-68.743	2
83	MP2B	Z	39.689	2
84	MP2B	Mx	034	2
85	MP2B	X	-68.743	5
86	MP2B	Z	39.689	5
87	MP2B	Mx	034	5
88	MP2C	X	-78.463	2
89	MP2C	Z	45.301	2
90	MP2C	Mx	0	2
91	MP2C	X	-78.463	5
92	MP2C	Z	45.301	5
93	MP2C	Mx	0	5
94	MP5A	X	-68.743	2
95	MP5A	Ž	39.689	2
96	MP5A	Mx	.034	2
97	MP5A	X	-68.743	5
98	MP5A	Z	39.689	5
99	MP5A	Mx	.034	5
100	MP5B	X	-68.743	2
101	MP5B	Z	39.689	
102	MP5B	Mx	034	2 2
103	MP5B	X	-68.743	
104	MP5B	Z	39.689	5
105	MP5B	Mx	034	5
106	MP5C	X	-78.463	5
107	MP5C	Z	45.301	2
108	MP5C	Mx	45.301	2
109	MP5C	X		2
110	MP5C	Z	-78.463 45.204	5
111	MP5C	Mx	45.301	5
112	MP3A		0	5
113	MP3A	X	-17.266	.5
114	MP3A	Z	9.969	.5
115	MP3B	Mx	009	.5
[1]	IVIPOD	X	-34.792	.5



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

Member	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
116	MP3B	Z	20.087	.5
117	MP3B	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%] 2.5
1	MP3A	X	-39.337	
2	MP3A	Z	0	2.5 2.5
3	MP3A	Mx	02	2.5
4	MP3B	X	-58,483	
5	мР3В	Z	0	2.5 2.5
6	MP3B	Mx	015	2.5
7	MP3C	X	-58.483	
8	MP3C	Z	0	2.5 2.5
9	MP3C	Mx	.015	2.0
10	MP3A	X	-74,071	1
11	MP3A	Z	0	1
12	MP3A	Mx	.037	6
13	MP3A	X	-74.071	6
14	MP3A	Z	0	
15	MP3A	Mx	.037	6
16	MP3B	X	-92.746	1
17	MP3B	Z	0	1
18	MP3B	Mx	.083	
19	MP3B	X	-92.746	6
20	MP3B	Z	0	6
21	MP3B	Mx	.083	6
22	MP3C	X	-92.746	
23	MP3C	Z	0	11
24	MP3C	Mx	083	1
25	MP3C	X	-92.746	6
26	MP3C	Z	0	6
27	MP3C	Mx	083	6
28	MP3A	X	-74.071	
29	MP3A	Z	0	11
30	MP3A	Mx	.037	1
31	MP3A	X	-74.071	6
32	MP3A	Z	0	6
33	MP3A	Mx	.037	6
34	MP3B	X	-98.971	
35	MP3B	Z	0	1
36	MP3B	Mx	074	1
37	MP3B	X	-98.971	6
38	MP3B	Z	0	6
39	MP3B	Mx	074	6
40	MP3C	X	-92.746	
41	MP3C	Z	0	11
42	MP3C	Mx	.037	1
43	MP3C	X	-92.746	6
44_	MP3C	Z	0	6
45	MP3C	Mx	.037	6
46	MP4A	X	-28.248	2.5
47	MP4A	Z	0	2.5
48	MP4A	Mx	.014	2.5
	MP4A	X	-28.248	4.5
49	MP4A	Z	0	4.5
50 51	MP4A	Mx	.014	4.5



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

F0	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP4B	X	-68.579	2.5
53	MP4B	Z	0	2.5
54	MP4B	Mx	.017	2.5
55	MP4B	X	-68.579	4.5
56	MP4B	Z	0	4.5
57	MP4B	Mx	.017	4.5
58	MP4C	X	-68.579	2.5
59	MP4C	Z	0	2.5
60	MP4C	Mx	017	2.5
61	MP4C	X	-68.579	4.5
62	MP4C	Z	0	4.5
63	MP4C	Mx	017	4.5
64	M74A	X	-124.708	1.5
65	M74A	Z	0	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	-43.522	2.5
68	MP2A	Z	0	2.5
69	MP2A	Mx	022	2.5
70	MP2B	X	-59.529	2.5
71	MP2B	Z	0	2.5
72	MP2B	Mx	015	2.5
73	MP2C	X	-59.529	2.5
74	MP2C	Z	0	2.5
75	MP2C	Mx	.015	2.5
76	MP2A	X	-75.637	2
77	MP2A	Z	0	2
78	MP2A	Mx	.038	2
79	MP2A	X	-75.637	5
80	MP2A	Z	0	5
81	MP2A	Mx	.038	5
82	MP2B	X	-86.86	2
83	MP2B	Z	0	2
84	MP2B	Mx	022	2
85	MP2B	X	-86.86	5
86	MP2B	Z	0	5
87	MP2B	Mx	022	5
88	MP2C	X	-86.86	2
89	MP2C	Z	0	2
90	MP2C	Mx	022	2
91	MP2C	X	-86.86	5
92	MP2C	Z	0	5
93	MP2C	Mx	022	5
94	MP5A	X	-75.637	2
95	MP5A	Z	0	2
96	MP5A	Mx	.038	2
97	MP5A	X	-75.637	5
98	MP5A	Z	0	5
99	MP5A	Mx	.038	5
100	MP5B	X	-86.86	2
101	MP5B	Z	0	2
102	MP5B	Mx	022	2
103	MP5B	X	-86.86	5
104	MP5B	Z	0	5
105	MP5B	Mx	022	5
106	MP5C	X	-86.86	2
107	MP5C	Z	0	2
108	MP5C	Mx	022	2



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
100		Y Y	-86.86	5
109	MP5C	7	0	5
110	MP5C	Mx	022	5
111	MP5C	IVIX	-13.191	5
112	MP3A		-19,191	5
113	MP3A		007	5
114	MP3A	Mx	007	.5
115	MP3B	X	-33.429	.5
116	MP3B	Z	0	
117	MP3B	Mx	008	.5

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

	lember Label	Antenna Wo (300 D	Magnitude[lb,k-ft]	Location[ft,%]
	MP3A	X	-39.594	2.5
2	MP3A	Z	-22.86	2.5
	MP3A	Mx	02	2.5
3	MP3B	X	-39.594	2.5
4	MP3B	Ž	-22.86	2.5
5	MP3B	Mx	02	2.5
6		X	-39.594	2.5
7	MP3C	Ž	-22.86	2.5
8	MP3C	Mx	.02	2.5
9	MP3C	X	-69.539	1
10	MP3A	Z	-40.148	1
11	MP3A	Mx	.005	1
12	MP3A	X	-69.539	6
13	MP3A	Ž	-40.148	6
14	MP3A	Mx	.005	6
15	MP3A	X	-69.539	1
16	МРЗВ	Z	-40.148	1
17	MP3B		.065	1
18	MP3B	Mx	-69.539	6
19	MP3B	X	-40.148	6
20	MP3B	Z	.065	6
21	MP3B	Mx		1
22	MP3C	X	-69.539	1
23	MP3C	Z	-40.148	
24	MP3C	Mx	065	6
25	MP3C	X	-69.539	
26	MP3C	Z	-40.148	6
27	MP3C	Mx	065	6
28	MP3A	X	-69.539	1
29	MP3A	Z	-40.148	1
30	MP3A	Mx	.065	1
31	MP3A	X	-69.539	6
32	MP3A	Z	-40.148	6
33	MP3A	Mx	.065	6
	MP3B	X	-80.32	1
34	MP3B	Z	-46.373	1
35	MP3B	Mx	037	
36		X	-80.32	6
37	MP3B	Z	-46.373	6
38	MP3B	Mx	037	6
39	MP3B	X	-69.539	1
40	MP3C	Ž	-40.148	
41	MP3C	Mx	005	
42	MP3C	X	-69,539	6
43	MP3C	Z	-40.148	6
44	MP3C		70.170	



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

1	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP3C	Mx	005	6
46	MP4A	X	-36.106	2.5
47	MP4A	Z	-20.846	2.5
48	MP4A	Mx	.018	2.5
49	MP4A	X	-36.106	4.5
50	MP4A	Z	-20.846	4.5
51	MP4A	Mx	.018	4.5
52	MP4B	X	-36.106	2.5
53	MP4B	Z	-20.846	2.5
54	MP4B	Mx	.018	2.5
55	MP4B	X	-36.106	4.5
56	MP4B	Z	-20.846	4.5
57	MP4B	Mx	.018	4.5
58	MP4C	X	-36.106	2.5
59	MP4C	Z	-20.846	2.5
60	MP4C	Mx	018	2.5
61	MP4C	X	-36.106	4.5
62	MP4C	Z	-20.846	4.5
63	MP4C	Mx	018	4.5
64	M74A	X	-114.886	1.5
35	M74A	Z	-66.329	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	-42.312	2.5
58	MP2A	Z	-24.429	2.5
59	MP2A	Mx	021	2.5
70	MP2B	X	-42.312	2.5
71	MP2B	Z	-24.429	2.5
72	MP2B	Mx	021	2.5
73	MP2C	X	-42.312	2.5
74	MP2C	Z	-24.429	2.5
75	MP2C	Mx	.021	2.5
76	MP2A	X	-68.743	2
77	MP2A	Z	-39.689	2
78	MP2A	Mx	.034	2
79	MP2A	X	-68.743	5
30	MP2A	Z	-39.689	5
31	MP2A	Mx	.034	5
32	MP2B	X	-78.463	2
33	MP2B	Z	-45.301	2
34 35	MP2B	Mx	0	2
36 I	MP2B	X	-78.463	5
	MP2B	Z	-45.301	5
37 38	MP2B	Mx	0	5
9	MP2C	X	-68.743	2
00	MP2C	Z	-39.689	2
91	MP2C	Mx	034	2
)2	MP2C	X	-68.743	5
3	MP2C	Z	-39.689	5
14	MP2C	Mx	034	5
5	MP5A	X	-68.743	2
16	MP5A	Z	-39.689	2
	MP5A	Mx	.034	2
)7)8	MP5A	X	-68.743	5
	MP5A	Z	-39.689	5
9	MP5A	Mx	.034	5
00	MP5B	X	-78.463	2
01	MP5B	Z	-45.301	2

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

	Marsharlabel	Direction	Magnitude[lb,k-ft]	Location[ft,%]
100	Member Label	Mx	0	2
102	MP5B	Y	-78.463	5
103	MP5B	7	-45.301	5
104	MP5B		-45.501	5
105	MP5B	Mx	00.742	2
106	MP5C	X	-68.743	2
107	MP5C	Z	-39.689	2
108	MP5C	Mx	034	
109	MP5C	X	-68.743	5
	MP5C	Z	-39.689	5
110	MP5C	Mx	034	5
111		X	-17.266	.5
112	MP3A	7	-9.969	.5
113	MP3A	Max	009	.5
114	MP3A	Mx	-17.266	.5
115	MP3B	<u> </u>		.5
116	MP3B	Z	-9.969	.5
117	MP3B	Mx	009	

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4 1	MP3A	X	-29.241	2.5
1 2	MP3A	Z	-50.648	2.5
	MP3A	Mx	015	2,5
3	MP3B	X	-19.669	2.5
4	MP3B	Z	-34.067	2.5
5	MP3B	Mx	02	2.5
6	MP3C	X	-19.669	2.5
7	MP3C	Z	-34.067	2.5
8	MP3C	Mx	.02	2.5
9	MP3A	X	-46.373	1
10		Z	-80.32	11
11	MP3A MP3A	Mx	037	1
12	MP3A MP3A	X	-46.373	6
13	MP3A MP3A	Z	-80.32	6
14		Mx	037	6
15	MP3A	X	-37.036	1
16	MP3B	Z	-64.148	1
17	MP3B	Mx	.037	1
18	MP3B	X	-37.036	6
19	MP3B	Z	-64.148	6
20	MP3B	Mx	.037	6
21	MP3B	X	-37.036	11
22	MP3C	Z	-64.148	1
23	MP3C	Mx	037	1
24	MP3C	X	-37.036	6
25	MP3C	Z	-64.148	6
26	MP3C		037	6
27	MP3C	Mx X	-46.373	1
28	MP3A	Z	-80.32	1
29	MP3A	Mx	.083	1×
30	MP3A	X	-46.373	6
31	MP3A	Ž	-80.32	6
32	MP3A		.083	6
33	MP3A	Mx	-40.148	1
34	MP3B	X	-69.539	1
35	MP3B	Z	.005	1
36	MP3B	Mx	-40.148	6
37	MP3B	X	-40.140	



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

20	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP3B	Z	-69.539	6
39 40	MP3B	Mx	.005	6
41	MP3C	X	-37.036	1
42	MP3C MP3C	Z	-64.148	1
43	MP3C	Mx	037	1
44	MP3C MP3C	X	-37.036	6
45	MP3C	Z	-64.148	6
46	MP4A	Mx	037	6
47	MP4A MP4A	X	-34.289	2.5
48	MP4A	Z	-59.391	2.5
49	MP4A	Mx	.017	2.5
50	MP4A	X	-34.289	4.5
51	MP4A	Z	-59.391	4.5
52	MP4B	Mx	.017	4.5
53	MP4B	X	-14.124	2.5
54	MP4B		-24.463	2.5
55	MP4B	Mx	.014	2.5
56	MP4B	X	-14.124	4.5
57	MP4B		-24.463	4.5
58	MP4C	Mx	.014	4.5
59	MP4C MP4C	X	-14.124	2.5
60	MP4C		-24.463	2.5
61	MP4C MP4C	Mx	014	2.5
62	MP4C	X	-14.124	4.5
63	MP4C		-24.463	4.5
64	M74A	Mx	014	4.5
65	M74A	X	-62.354	1.5
66	M74A		-108	1.5
67	MP2A	Mx	0	1.5
68	MP2A	X	-29.765	2.5
69	MP2A	Z Mx	-51.554	2.5
70	MP2B	X	015	2.5
71	MP2B	Z	-21.761	2.5
72	MP2B	Mx	-37.691	2.5
73	MP2C	X	022	2.5
74	MP2C	Z	-21.761	2.5
75	MP2C	Mx	-37.691	2.5
76	MP2A	X	.022 -43.43	2.5
77	MP2A	Z	-43.43 -75.223	2
78	MP2A	Mx		2
79	MP2A	X	.022 -43.43	2
80	MP2A	Z	-75.223	5
81	MP2A	Mx	.022	5
82	MP2B	X	-43.43	5
83	MP2B	Z	-43.43	2
84	MP2B	Mx	.022	2
85	MP2B	X		2
86	MP2B	Z	-43.43 -75.223	5
87	MP2B	Mx	.022	5
88	MP2C	X	-37.818	5
89	MP2C	Z	-37.818 -65.503	2
90	MP2C	Mx	-05.503	2
91	MP2C	X	038 -37.818	2
92	MP2C	Z		5
93	MP2C	Mx	-65.503 038	5
94	MP5A	X	038 -43.43	5 2

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

		Direction Direction	Magnitude[lb,k-ft]	Location[ft,%]
	Member Label	7	-75.223	2
95	MP5A	Mx	.022	2
96	MP5A	X	-43.43	5
97	MP5A	7	-75.223	5
98	MP5A		.022	5
99	MP5A	Mx	-43.43	2
100	MP5B	X	-75.223	2
101	MP5B	Z		2
102	MP5B	Mx	.022	5
103	MP5B	X	-43.43	5
104	MP5B	Z	-75.223	5
105	MP5B	Mx	.022	
106	MP5C	X	-37.818	2
107	MP5C	Z	-65.503	2
108	MP5C	Mx	038	2
109	MP5C	X	-37.818	5
110	MP5C	Z	-65.503	5
111	MP5C	Mx	038	5
	MP3A	X	-16.714	.5
112	MP3A	7	-28.95	.5
113	MP3A	Mx	008	.5
114		X	-6.596	.5
115	MP3B	7	-11.424	.5
116	MP3B	Mx	007	.5
117	MP3B	IVIA		

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

	int Loads (BLC 15: Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
4	MP3A	X	0	2.5
1	MP3A	Z	-16.273	2.5
2	MP3A	Mx	0	2.5
3	MP3B	X	0	2.5
4	MP3B	Ž	-11.892	2.5
5	MP3B	Mx	005	2.5
6	MP3C	X	0	2.5
7	MP3C	Z	-11.892	2.5
8		Mx	.005	2.5
9	MP3C	X	0	1
10	MP3A	Z	-39.118	1
11	MP3A	Mx	029	1
12	MP3A	X	0	6
13	MP3A	Z	-39.118	6
14	MP3A	Mx	029	6
15	MP3A	X	0	1
16	MP3B	7	-31.977	1
17	MP3B	Mx	.002	1
18	MP3B	X	0	6
19	MP3B	Z	-31.977	6
20	MP3B		.002	6
21	MP3B	Mx X	0	1
22	MP3C	7	-31.977	1
23	MP3C		002	
24	MP3C	Mx	002	6
25	MP3C	X	-31.977	6
26	MP3C		002	6
27	MP3C	Mx	002	1
28	MP3A	X		1
29	MP3A	Z	-39.118	
30	MP3A	Mx	.029	

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

31	Member Label MP3A	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP3A MP3A	X	0	6
33	MP3A	Z	-39.118	6
34	MP3B	Mx	.029	6
35		X	0	
36	MP3B	Z	-29.596	1
37	MP3B	Mx	.015	1
38	MP3B	X	0	6
	MP3B	Z	-29.596	6
39	MP3B	Mx	.015	6
40	MP3C	X	0	
41	MP3C	Z	-31.977	1
42	MP3C	Mx	026	1
43	MP3C	X	0	6
44	MP3C	Z	-31.977	6
45	MP3C	Mx	026	6
46	MP4A	X	0	2.5
47	MP4A	Z	-19.302	2.5
48	MP4A	Mx	0	2.5
49	MP4A	X	0	4.5
50	MP4A	Z	-19.302	4.5
51	MP4A	Mx	0	4.5
52	MP4B	X	0	2.5
53	MP4B	Z	-10.995	2.5
54	MP4B	Mx	.005	2.5
55	MP4B	X	0	4.5
56	MP4B	Z	-10.995	4.5
57	MP4B	Mx	.005	4.5
58	MP4C	X	0	2.5
59	MP4C	Z	-10.995	2.5
60	MP4C	Mx	005	2.5
61	MP4C	X	0	4.5
62	MP4C	Z	-10.995	4.5
63	MP4C	Mx	005	4.5
64	M74A	X	0	1.5
65	M74A	Z	-27.969	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	0	2.5
68	MP2A	Z	-16.273	2.5
69	MP2A	Mx	0	2.5
70	MP2B	X	0	2.5
71	MP2B	Z	-12.56	2.5
72	MP2B	Mx	005	2.5
73	MP2C	X	0	
74	MP2C	Z	-12.56	2.5 2.5
75	MP2C	Mx	.005	2.5
76	MP2A	X	0	2
77	MP2A	Z	-17.981	2
78	MP2A	Mx	0	2
79	MP2A	X	0	5
80	MP2A	Z	-17.981	5
81	MP2A	Mx	0	5
82	MP2B	X	0	2
83	MP2B	Z	-15.91	2
84	MP2B	Mx	.007	2
85	MP2B	X	0	5
86	MP2B	Z	-15.91	5
87	MP2B	Mx	.007	5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP2C	X	0	2
89	MP2C	Z	-15.91	2
90	MP2C	Mx	007	2
91	MP2C	X	0	5
92	MP2C	Z	-15.91	5
93	MP2C	Mx	007	5
94	MP5A	X	0	2
95	MP5A	Z	-17.981	2
96	MP5A	Mx	0	2
97	MP5A	X	0	5
98	MP5A	Z	-17.981	5
99	MP5A	Mx	0	5
100	MP5B	X	0	2
101	MP5B	Z	-15.91	2
102	MP5B	Mx	.007	2
103	MP5B	X	0	5
104	MP5B	Z	-15.91	5
105	MP5B	Mx	.007	5
106	MP5C	X	0	2
107	MP5C	Z	-15.91	2
108	MP5C	Mx	007	2
109	MP5C	X	0	5
110	MP5C	Z	-15.91	5
111	MP5C	Mx	007	5
112	MP3A	X	0	.5
113	MP3A	Z	-8.949	.5
114	MP3A	Mx	0	.5
115	MP3B	X	0	.5
116	MP3B	Z	-4.932	.5
117	MP3B	Mx	002	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP3A	X	7.406	2.5
1		7	-12.828	2.5
2	MP3A	Mx	.004	2.5
3	MP3A	X	7.406	2.5
4	MP3B		-12.828	2.5
5	MP3B	Z	004	2.5
6	MP3B	Mx		2.5
7	MP3C	X	7.406	2.5
8	MP3C	Z	-12.828	2.5
9	MP3C	Mx	.004	2.5
10	MP3A	X	18.369	
11	MP3A	Z	-31.816	
12	MP3A	Mx	033	
13	MP3A	X	18.369	6
14	MP3A	Z	-31.816	6
15	MP3A	Mx	033	6
	MP3B	X	18.369	1
16	MP3B	7	-31.816	4
17		Mx	015	1
18	MP3B	X	18.369	6
19	MP3B	7	-31.816	6
20	MP3B	Mx	015	6
21	MP3B		18.369	1
22	MP3C	X		1
23	MP3C	Z	-31.816	



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP3C	Mx	.015	
25	MP3C	X	18.369	6
26	MP3C	Z	-31.816	6
27	MP3C	Mx	.015	6
28	MP3A	X	18.369	1
29	MP3A	Z	-31.816	1
30	MP3A	Mx	.015	1
31	MP3A	X	18.369	6
32	MP3A		-31.816	6
33	MP3A	Mx	.015	6
34	MP3B	X	15.988	1
35	MP3B	Z	-27.693	1
36	MP3B	Mx	.026	1
37	MP3B	X	15.988	6
38	MP3B	Z	-27.693	6
39	MP3B	Mx	.026	6
40	MP3C	X	18.369	1
41	MP3C	Z	-31.816	11
42	MP3C	Mx	033	1.
43	MP3C	X	18.369	6
44	MP3C	Z	-31.816	6
45	MP3C	Mx	033	6
46	MP4A	X	8.266	2.5
47	MP4A	Z	-14.318	2.5
48	MP4A	Mx	004	2.5
49	MP4A	X	8.266	4.5
50	MP4A	Z	-14.318	4.5
51	MP4A	Mx	004	4.5
52	MP4B	X	8.266	2.5
53	MP4B	Z	-14.318	2.5
54	MP4B	Mx	.004	2.5
55	MP4B	X	8.266	4.5
56	MP4B	Z	-14.318	4.5
57	MP4B	Mx	.004	4.5
58	MP4C	X	8.266	2.5
59	MP4C	Z	-14.318	2.5
60	MP4C	Mx	004	2.5
61	MP4C	X	8.266	4.5
62	MP4C	Z	-14.318	4.5
63	MP4C	Mx	004	4.5
64	M74A	X	13.074	1.5
65	M74A	Z	-22.645	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	7.518	2.5
68	MP2A	Z	-13.021	2.5
69	MP2A	Mx	.004	2.5
70	MP2B	X	7.518	2.5
71	MP2B	Ž	-13.021	2.5
72	MP2B	Mx	004	2.5
73	MP2C	X	7.518	2.5
74	MP2C	Ž	-13.021	2.5
75	MP2C	Mx	.004	2.5
76	MP2A	X	8.645	2.5
77	MP2A	Z	-14.974	2
78	MP2A	Mx	004	2
79	MP2A	X	8.645	5
80	MP2A	Z	-14.974	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
81	MP2A	Mx	004	5
82	MP2B	X	7.61	2
83	MP2B	Z	-13.18	2
84	MP2B	Mx	.008	2
85	MP2B	X	7.61	5
86	MP2B	Z	-13.18	5
87	MP2B	Mx	.008	5
88	MP2C	X	8.645	2
89	MP2C	Z	-14.974	2
90	MP2C	Mx	004	2
	MP2C	X	8.645	5
91 92	MP2C	Z	-14.974	5
	MP2C	Mx	004	5
93	MP5A	X	8.645	2
94	MP5A	7	-14.974	2
95	MP5A	Mx	004	2
96	MP5A	X	8.645	5
97	MP5A	Z	-14.974	5
98	MP5A	Mx	004	5
99	MP5B	X	7.61	2
100	MP5B	Ž	-13.18	2
101		Mx	.008	2
102	MP5B	X	7.61	5
103	MP5B	Ž	-13.18	5
104	MP5B MP5B	Mx	.008	5
105		X	8.645	2
106	MP5C	Z	-14.974	2
107	MP5C	Mx	004	2
108	MP5C	X	8.645	5
109	MP5C	Ž	-14.974	5
110	MP5C	Mx	004	5
111	MP5C	X	3.805	.5
112	MP3A	Ž	-6.591	.5
113	MP3A	Mx	.002	.5
114	MP3A	X	3.805	.5
115	MP3B	Z	-6.591	.5
116	MP3B		002	.5
117	MP3B	Mx	002	.0

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4 1	MP3A	X	10.299	2.5
1		Z	-5.946	2.5
2	MP3A	Mx	.005	2.5
3	MP3A	X	14.093	2.5
4	MP3B	7	-8.137	2.5
5	MP3B		0	2.5
6	MP3B	Mx	14.093	2.5
7	MP3C		-8.137	2.5
8	MP3C		-6.137	2.5
9	MP3C	Mx	27.602	1
10	MP3A	X	27.693	1
11	MP3A	Z	-15.988	1
12	MP3A	Mx	026	6
13	MP3A	X	27.693	6
14	MP3A	Z	-15.988	6
15	MP3A	Mx	026	6
16	MP3B	X	33.877	



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

17	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP3B	Z	-19.559	1
19	MP3B	Mx	029	
20	MP3B	X	33.877	6
21	MP3B	Z	-19.559	6
22	MP3B	Mx	029	6
23	MP3C	X	33.877	1
24	MP3C MP3C	Z	-19.559	11
25		Mx	.029	1
26	MP3C	X	33.877	6
27	MP3C	Z	-19.559	6
28	MP3C MP3A	Mx	.029	6
29	MP3A	X	27.693	1
30	MP3A	Z	-15.988	1
31	MP3A	Mx	002	1
32	MP3A	X	27.693	6
33	MP3A	Z	-15.988	6
34	MP3B	Mx	002	6
35	MP3B	X	31.816	1
36	MP3B	Z	-18.369	11
37	MP3B	Mx X	.033	1
38	MP3B	Z	31.816	6
39	MP3B	Mx	-18.369	6
40	MP3C	X	.033	6
41	MP3C	Z	33.877	
42	MP3C	Mx	-19.559	1
43	MP3C	X	029	1
44	MP3C	Ž	33.877	6
45	MP3C	Mx	-19.559	6
46	MP4A	X	029 9.522	6
47	MP4A	Z	-5.498	2.5 2.5
48	MP4A	Mx	005	2.5
49	MP4A	X	9.522	2.5 4.5
50	MP4A	Z	-5.498	4.5
51	MP4A	Mx	005	4.5
52	MP4B	X	16.716	2.5
53	MP4B	Z	-9.651	2.5
54	MP4B	Mx	0	2.5
55	MP4B	X	16.716	4.5
56	MP4B	Ž	-9.651	4.5
57	MP4B	Mx	0	4.5
58	MP4C	X	16.716	2.5
59	MP4C	Ž	-9.651	
60	MP4C	Mx	0	2.5 2.5
61	MP4C	X	16.716	4.5
62	MP4C	Z	-9.651	4.5
63	MP4C	Mx	0	4.5
64	M74A	X	24.222	1.5
65	M74A	Z	-13.985	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	10.877	2.5
68	MP2A	Z	-6.28	2.5
69	MP2A	Mx	.005	2.5
70	MP2B	X	14.093	2.5
71	MP2B	Z	-8.137	2.5
72	MP2B	Mx	0	2.5
73	MP2C	X	14.093	2.5



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

	Point Loads (BLC 17 : Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
74	MP2C	Z	-8.137	2.5 2.5
75	MP2C	Mx	0	
76	MP2A	X	13.778	2
77	MP2A	Z	-7.955	2
78	MP2A	Mx	007	
79	MP2A	X	13.778	5 5
80	MP2A	Z	-7.955	5
81	MP2A	Mx	007	5
82	MP2B	X	13.778	2
83	MP2B	Z	-7.955	2
84	MP2B	Mx	.007	2
85	MP2B	X	13.778	5
86	MP2B	Z	-7.955	5
87	MP2B	Mx	.007	5
88	MP2C	X	15.572	2
89	MP2C	Z	-8.991	2
90	MP2C	Mx	0	2
91	MP2C	X	15.572	5
92	MP2C	Z	-8.991	5
93	MP2C	Mx	0	5
94	MP5A	X	13.778	2
95	MP5A	Z	-7.955	2
96	MP5A	Mx	007	2
97	MP5A	X	13.778	5
98	MP5A	Z	-7.955	5
99	MP5A	Mx	007	5
100	MP5B	X	13.778	2
101	MP5B	Z	-7.955	2
102	MP5B	Mx	.007	2
103	MP5B	X	13.778	5
104	MP5B	Z	-7.955	5
105	MP5B	Mx	.007	5
106	MP5C	X	15.572	2
107	MP5C	Z	-8.991	2
107	MP5C	Mx	0	2
108	MP5C	X	15.572	5
110	MP5C	Z	-8.991	5
111	MP5C	Mx	0	5
	MP3A	X	4.271	.5
112	MP3A	Z	-2.466	.5
113	MP3A	Mx	.002	.5
114	MP3B	X	7.75	.5
115	MP3B	Z	-4.475	.5
116	MP3B	Mx	0	.5

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

OTTIO GT T	oint Loads (BLC 16:	Direction	Magnitude[lb,k-ft]	Location[ft,%]
	Member Label	I Y	10.431	2.5
	MP3A		0	2.5
	MP3A		005	2.5
3	MP3A	Mx	.005	
	MP3B	X	14.813	2.5
5	MP3B	Z	0	2.5
		Mx	.004	2.5
	MP3B	Y	14.813	2.5
	MP3C	7	0	2.5
В	MP3C		004	2.5
9	MP3C	Mx	004	2.0

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP3A	X	29.596	1
11	MP3A	Z	0	i
12	MP3A	Mx	015	1
13	MP3A	X	29.596	6
14	MP3A	Z	0	6
15	MP3A	Mx	015	6
16	MP3B	X	36.738	1
17	MP3B	Z	0	1
18	MP3B	Mx	033	
19	MP3B	X	36.738	6
20	MP3B	Z	0	6
21	MP3B	Mx	033	6
22	MP3C	X	36.738	1
23	MP3C	Z	0	1
24	MP3C	Mx	.033	1
25	MP3C	X	36.738	6
26	MP3C	Z	0	6
27	MP3C	Mx	.033	6
28	MP3A	X	29.596	1
29	MP3A	Z	0	
30	MP3A	Mx	015	1
31	MP3A	X	29.596	6
32	MP3A	Z	0	6
33	MP3A	Mx	015	6
34	MP3B	X	39.118	1
35	MP3B	Z	0	1
36	MP3B	Mx	.029	1
37	MP3B	X	39.118	6
38	MP3B	Z	0	6
39	MP3B	Mx	.029	6
40	MP3C	X	36.738	1
41	MP3C	Z	0	1
42	MP3C	Mx	015	
43	MP3C	X	36.738	6
44	MP3C	Z	0	6
45	MP3C	Mx	015	6
46	MP4A	X	8.226	2.5
47	MP4A	Z	0	2.5
48	MP4A	Mx	004	2.5
49	MP4A	X	8.226	4.5
50	MP4A	Z	0	4.5
51	MP4A	Mx	004	4.5
52	MP4B	X	16.533	2.5
53	MP4B	Z	0	2.5
54	MP4B	Mx	004	2.5
55	MP4B	X	16.533	
56	MP4B	Z	0	4.5 4.5
57	MP4B	Mx	004	
8	MP4C	X	16.533	4.5
59	MP4C	Z	0	2.5
30	MP4C	Mx	.004	2.5
31	MP4C	X		2.5
52	MP4C	Z	16.533	4.5
33	MP4C	Mx	0	4.5
64	M74A	X	.004	4.5
55	M74A	Z	31.612	1.5
66	M74A		0	1.5

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

	Member Label	Antenna Wi (90 Dec	Magnitude[lb,k-ft]	Location[ft,%]
67	MP2A	X	11.323	2.5
58	MP2A	Z	0	2.5
69	MP2A	Mx	.006	2.5
70	MP2B	X	15.036	2.5
71	MP2B	Z	0	2.5
72	MP2B	Mx	.004	2.5
73	MP2C	X	15.036	2.5
74	MP2C	Z	0	2.5
75	MP2C	Mx	004	2.5
76 <u> </u>	MP2A	X	15.219	2
	MP2A	Z	0	2
77	MP2A	Mx	008	2
78	MP2A	X	15.219	5
79	MP2A	Z	0	5
80	MP2A	Mx	008	5
81	MP2B	X	17.291	2
82	MP2B	Ž	0	2
83	MP2B MP2B	Mx	.004	2
84	MP2B MP2B	X	17.291	5
85	MP2B	Ž	0	5
86	MP2B	Mx	.004	5
87	MP2B MP2C	X	17.291	2
88		Z	0	2
89	MP2C	Mx	.004	2
90	MP2C	X	17,291	5
91	MP2C	Ž	0	5
92	MP2C	Mx	.004	5
93	MP2C	X	15.219	2
94	MP5A	Z	0	2
95	MP5A	Mx	008	2
96	MP5A	X	15.219	5
97	MP5A	Z	0	5
98	MP5A	Mx	008	5
99	MP5A	X	17.291	2
100	MP5B	Z	0	2
101	MP5B	Mx	.004	2
102	MP5B	X	17.291	5
103	MP5B	Z	0	5
104	MP5B	Mx	.004	5
105	MP5B	X	17.291	2
106	MP5C	Z	0	2
107	MP5C		.004	2
108	MP5C	Mx	17.291	5
109	MP5C	X	0	5
110	MP5C		.004	5
111	MP5C	Mx	3.593	.5
112	MP3A	X	0	.5
113	MP3A	Z	.002	.5
114	MP3A	Mx		.5
115	MP3B	X	7.61	.5
116	MP3B	Z	0	.5
117	MP3B	Mx	.002	

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

Terriber	Mambas label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
7	Member Label	X	10.299	2.5
1	MP3A	7	5.946	2.5
2	MP3A		0,0,10	

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3 4	MP3A	Mx	.005	2.5
5	MP3B	X	10.299	2.5
6	MP3B	Z	5.946	2.5
7	MP3B	Mx	.005	2.5
8	MP3C	X	10.299	2.5
9	MP3C	Z	5.946	2.5
10	MP3C	Mx	005	2.5
11	MP3A	X	27.693	1
12	MP3A	Z	15.988	1
13	MP3A	Mx	002	1
14	MP3A	X	27.693	6
15	MP3A	Z	15.988	6
16	MP3A	Mx	002	6
17	MP3B	X	27.693	
18	MP3B	Z	15.988	1
19	MP3B	Mx	026	1
20	MP3B	X	27.693	6
21	MP3B	Z	15.988	6
22	MP3B	Mx	026	6
23	MP3C	X	27.693	1
24	MP3C	Z	15.988	1
25	MP3C	Mx	.026	1
26	MP3C	X	27.693	6
27	MP3C	Z	15.988	6
	MP3C	Mx	.026	6
28	MP3A	X	27.693	1
29	MP3A	Z	15.988	1
30	MP3A	Mx	026	1
31	MP3A	X	27.693	6
32	MP3A	Z	15.988	6
33	MP3A	Mx	026	6
34	MP3B	X	31.816	1
35 36	MP3B	Z	18.369	1
37	MP3B	Mx	.015	1
	MP3B	X	31.816	6
38	MP3B	Z	18.369	6
40	MP3B	Mx	.015	6
41	MP3C	X	27.693	1
42	MP3C	Z	15.988	1
43	MP3C	Mx	.002	11_
44	MP3C	X	27.693	6
45	MP3C	Z	15.988	6
46	MP3C	Mx	.002	6
47	MP4A	X	9.522	2.5
48	MP4A	Z	5.498	2.5
49	MP4A	Mx	005	2.5
50	MP4A	X	9.522	4.5
51	MP4A	Z	5.498	4.5
52	MP4A	Mx	005	4.5
53	MP4B	X	9.522	2.5
54	MP4B	Z	5.498	2.5
55	MP4B	Mx	005	2.5
56	MP4B	X	9.522	4.5
57	MP4B	Z	5.498	4.5
	MP4B	Mx	005	4.5
58 59	MP4C	X	9.522	2.5
JJ	MP4C	Z	5.498	2.5

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

	Member Label	Antenna Wi (120 De	Magnitude[lb,k-ft]	Location[ft.%]
60	MP4C	Mx	.005	2.5
61	MP4C	X	9.522	4.5
62	MP4C	Z	5.498	4.5
3	MP4C	Mx	.005	4.5
64	M74A	X	28.954	1.5
55	M74A	Z	16.717	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	10.877	2.5
88	MP2A	Z	6.28	2.5
69	MP2A	Mx	.005	2.5
70	MP2B	X	10.877	2.5
71	MP2B	Z	6.28	2.5
72	MP2B	Mx	.005	2,5
3	MP2C	X	10.877	2.5
74	MP2C	Z	6.28	2.5
75	MP2C	Mx	-,005	2.5
6	MP2A	X	13.778	2
7	MP2A	Z	7.955	2
8	MP2A	Mx	007	2
79	MP2A	X	13.778	5
30	MP2A	Z	7.955	5
31	MP2A	Mx	007	5
32	MP2B	X	15.572	2
33	MP2B	Z	8.991	2
34	MP2B	Mx	0	2
35	MP2B	X	15.572	5
36	MP2B	Z	8.991	5
37	MP2B	Mx	0	5
38	MP2C	X	13.778	2
89	MP2C	Z	7.955	2
90	MP2C	Mx	.007	2
91	MP2C	X	13.778	5
92	MP2C	Z	7.955	5
93	MP2C	Mx	.007	5
94	MP5A	X	13.778	2
95	MP5A	Z	7.955	2
96	MP5A	Mx	007	2
97	MP5A	X	13.778	5
98	MP5A	Z	7.955	5
99	MP5A	Mx	007	5
00	MP5B	X	15.572	2 2
01	MP5B	Z	8.991	
02	MP5B	Mx	0	5
03	MP5B	X	15.572	5
04	MP5B	Z	8.991	5
05	MP5B	Mx	0	
06	MP5C	X	13.778	2
07	MP5C	Z	7,955	2
08	MP5C	Mx	.007	2
09	MP5C	X	13.778	5
10	MP5C	Z	7.955	5
11	MP5C	Mx	.007	5
12	MP3A	X	4.271	.5
13	MP3A	Z	2.466	.5
14	MP3A	Mx	.002	.5
115	MP3B	X	4.271	.5
116	MP3B	Z	2.466	.5



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

447	Member Label	Direction	Magnitude(lb,k-ft)	Location[ft %]
117	MP3B	Mx	.002	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	7.406	2.5
2	MP3A	Z	12.828	2.5
3	MP3A	Mx	.004	2.5
4	MP3B	X	5.216	2.5
5	MP3B	Z	9.034	2.5
6	MP3B	Mx	.005	2.5
7	MP3C	X	5.216	2.5
8	MP3C	Z	9.034	2.5
9	MP3C	Mx	005	2.5
10	MP3A	X	18.369	1
11	MP3A	Z	31.816	1
12	MP3A	Mx	.015	
13	MP3A	X	18.369	6
14	MP3A	Ž	31.816	6
15	MP3A	Mx	.015	6
16	MP3B	X	14.798	1
17	MP3B	Z	25.631	1
18	MP3B	Mx	015	
19	MP3B	X	14.798	6
20	MP3B	Z	25.631	6
21	MP3B	Mx	015	
22	MP3C	X	14.798	6
23	MP3C	Z	25.631	1
24	MP3C	Mx	.015	
25	MP3C	X	14.798	1
26	MP3C	Ž	25.631	6
27	MP3C	Mx		6
28	MP3A	X	.015	6
29	MP3A	Z	18.369	
30	MP3A		31.816	1
31	MP3A	Mx X	033	
32	MP3A	Z	18.369	6
33	MP3A		31.816	6
34	MP3B	Mx	033	6
35	MP3B	X	15.988	
36	MP3B		27.693	
37	MP3B	Mx	002	1
38	MP3B	X	15.988	6
39	MP3B	Z	27.693	6
40	MP3C	Mx	002	6
41		X	14.798	111
42	MP3C	Z	25.631	1
43	MP3C	Mx	.015	1
14	MP3C	X	14.798	6
	MP3C	Z	25.631	6
15	MP3C	Mx	.015	6
16	MP4A	X	8.266	2.5
17	MP4A	Z	14.318	2.5
18	MP4A	Mx	004	2.5
19	MP4A	X	8.266	4.5
50	MP4A	Z	14.318	4.5
51	MP4A	Mx	004	4.5
52	MP4B	X	4.113	2.5

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

	Point Loads (BLC 20 : Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
53	MP4B	Z	7.124	2,5 2.5
54	MP4B	Mx	004	4.5
5	MP4B	X	4.113	4.5
6	MP4B	Z	7.124	4.5
7	MP4B	Mx	004	
8	MP4C	X	4.113	2.5
9	MP4C	Z	7.124	2.5 2.5
60	MP4C	Mx	.004	
51	MP4C	X	4.113	4.5
2	MP4C	Z	7.124	4.5
3	MP4C	Mx	.004	4.5
4	M74A	X	15.806	1.5
55	M74A	Z	27.377	1.5
6	M74A	Mx	0	1.5
67	MP2A	X	7.518	2.5
8	MP2A	Z	13.021	2.5
9	MP2A	Mx	.004	2.5
0	MP2B	X	5.661	2.5
1	MP2B	Z	9.806	2.5
2	MP2B	Mx	.006	2.5
3	MP2C	X	5.661	2.5
4	MP2C	Z	9.806	2.5
5	MP2C	Mx	-,006	2.5
6	MP2A	X	8.645	2
7	MP2A	Z	14.974	2
8	MP2A	Mx	004	2
9	MP2A	X	8.645	5
30	MP2A	Z	14.974	5
31	MP2A	Mx	004	5
32	MP2B	X	8.645	2
33	MP2B	Z	14.974	2
34	MP2B	Mx	004	2
35	MP2B	X	8.645	5
36	MP2B	Z	14.974	5
37	MP2B	Mx	004	5
38	MP2C	X	7.61	2
39	MP2C	Z	13.18	2
90	MP2C	Mx	.008	2
91	MP2C	X	7.61	5
92	MP2C	Z	13.18	5
93	MP2C	Mx	.008	5
94	MP5A	X	8.645	2
94	MP5A	Z	14.974	2
96	MP5A	Mx	004	2
97	MP5A	X	8.645	5
98	MP5A	Z	14.974	5
99	MP5A	Mx	004	5
00	MP5B	X	8.645	2
	MP5B	Z	14.974	2
01	MP5B	Mx	004	2
03	MP5B	X	8.645	5
	MP5B	Z	14.974	5
04	MP5B	Mx	004	5
05	MP5C	X	7.61	2
06	MP5C	Ž	13.18	2
07	MP5C	Mx	.008	2
108	MP5C	X	7.61	5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
110	MP5C	Z	13.18	5
111	MP5C	Mx	.008	5
112	MP3A	X	3.805	5
113	MP3A	Z	6.591	5
114	MP3A	Mx	.002	.5
115 116	MP3B	X	1.797	5
116	MP3B	Z	3.112	5
117	MP3B	Mx	.002	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	2.5
2	MP3A	Z	16.273	2.5
3	MP3A	Mx	0	2.5
4	MP3B	X	0	2.5
5	MP3B	Z	11.892	2.5
6	MP3B	Mx	.005	2.5
7	MP3C	X	0	2.5
8	MP3C	Z	11.892	2.5
9	MP3C	Mx	005	2.5
10	MP3A	X	0	1
11	MP3A	Z	39.118	1
12	MP3A	Mx	.029	1
13	MP3A	X	0	6
14	MP3A	Z	39.118	6
15	MP3A	Mx	.029	6
16	MP3B	X	0	1
17	MP3B	Z	31.977	1
18	MP3B	Mx	002	1
19	MP3B	X	0	6
20	MP3B	Z	31.977	6
21	MP3B	Mx	002	6
22	MP3C	X	0	1
23	MP3C	Z	31.977	1
24	MP3C	Mx	.002	1
25	MP3C	X	0	6
26	MP3C	Z	31.977	6
27	MP3C	Mx	.002	6
28	MP3A	X	0	1
29	MP3A	Z	39.118	1
30	MP3A	Mx	029	
31	MP3A	X	0	6
32	MP3A	Z	39.118	6
33	MP3A	Mx	029	6
34	MP3B	X	0	1
35	MP3B	Z	29.596	1
36	MP3B	Mx	015	1
37	MP3B	X	0	6
38	MP3B	Z	29.596	6
39	MP3B	Mx	015	6
40	MP3C	X	0	1
41	MP3C	Z	31.977	1
42	MP3C	Mx	.026	1
43	MP3C	X	0	6
44	MP3C	Z	31.977	6
45	MP3C	Mx	.026	6

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

	Member Label	Antenna Wi (180 De	Magnitude[lb,k-ft]	Location[ft.%]
46	MP4A	X	0	2.5 2.5
7	MP4A	Z	19.302	2.5
8	MP4A	Mx	0	4.5
9	MP4A	X	0	4.5
0	MP4A	Z	19.302	4.5
1	MP4A	Mx	0	2.5
2	MP4B	X	0	2.5
3	MP4B	Z	10.995	2.5
4	MP4B	Mx	005	4.5
5	MP4B	X	0	4.5
6	MP4B	Z	10.995	4.5
7	MP4B	Mx	005	2.5
8	MP4C	X	0	2.5
9	MP4C	Z	10.995	2.5
0	MP4C	Mx	.005	4.5
1	MP4C	X	0	4.5
2	MP4C	Z	10.995	4.5
3	MP4C	Mx	.005	1.5
4	M74A	X	0	1.5
5	M74A	Z	27.969	1.5
6	M74A	Mx	0	2.5
7	MP2A	X	0	2.5
8	MP2A	Z	16.273	2.5
9	MP2A	Mx	0	2.5
0	MP2B	X	0	
1	MP2B	Z	12.56	2.5
2	MP2B	Mx	.005	2.5
3	MP2C	X	0	2.5
4	MP2C	Z	12.56	2.5
5	MP2C	Mx	005	2.5
6	MP2A	X	0	2
7	MP2A	Z	17.981	2
8	MP2A	Mx	0	2
9	MP2A	X	0	5
30	MP2A	Z	17.981	5
31	MP2A	Mx	0	5
32	MP2B	X	0	2
33	MP2B	Z	15.91	2
34	MP2B	Mx	007	2
35	MP2B	X	0	5
36	MP2B	Z	15.91	5
37	MP2B	Mx	007	5
38	MP2C	X	0	2
39	MP2C	Z	15.91	2
90	MP2C	Mx	.007	2
91	MP2C	X	0	5
92	MP2C	Z	15.91	5
93	MP2C	Mx	.007	5
94	MP5A	X	0	2
95	MP5A	Z	17.981	2
	MP5A	Mx	0	2
96	MP5A	X	0	5
97	MP5A	Ž	17.981	5
98	MP5A	Mx	0	5
99	MP5B	X	0	2
00	MP5B	Z	15.91	2
01	MP5B	Mx	007	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
103	MP5B	X	0	5
104	MP5B	Z	15.91	5
105	MP5B	Mx	007	5
106	MP5C	X	0	2
107	MP5C	Z	15.91	2
108	MP5C	Mx	.007	2
109	MP5C	X	0	5
110	MP5C	7	15.91	5
111	MP5C	Mx	.007	5
112	MP3A	X	0	.5
113	MP3A	7	8.949	
114	MP3A	Mx	0	5 .5
115	MP3B	X	0	
116	MP3B	7	4.932	.5 .5
117	MP3B	Mx	.002	5 5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
1	MP3A	X	-7.406	2.5
2	MP3A	Z	12.828	2.5
3	MP3A	Mx	004	2.5
4	MP3B	X	-7.406	2.5
5	MP3B	Z	12.828	2.5
6	MP3B	Mx	.004	2.5
7	MP3C	X	-7.406	2.5
8	MP3C	Z	12.828	2.5
9	MP3C	Mx	004	2.5
10	MP3A	X	-18.369	1
11	MP3A	Z	31.816	1
12	MP3A	Mx	.033	1
13	MP3A	X	-18.369	6
14	MP3A	Z	31.816	6
15	MP3A	Mx	.033	6
16	MP3B	X	-18.369	1
17	MP3B	Z	31.816	1
18	MP3B	Mx	.015	
19	MP3B	X	-18.369	6
20	MP3B	Z	31.816	6
21	MP3B	Mx	.015	6
22	MP3C	X	-18.369	1
23	MP3C	Z	31.816	1
24	MP3C	Mx	015	
25	MP3C	X	-18.369	6
26	MP3C	Z	31.816	6
27	MP3C	Mx	015	6
28	MP3A	X	-18.369	1
29	MP3A	Z	31.816	1
30	MP3A	Mx	015	
31	MP3A	X	-18.369	6
32	MP3A	Z	31.816	6
33	MP3A	Mx	015	6
34	MP3B	X	-15.988	1
35	MP3B	Z	27.693	1
36	MP3B	Mx	026	
37	MP3B	X	-15.988	
38	MP3B	Ž	27.693	6



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

	lember Label	Antenna Wi (210 De	Magnitude[lb,k-ft]	Location[ft,%]
39	MP3B	Mx	026	6
0	MP3C	X	-18.369	
1	MP3C	Z	31.816	
2	MP3C	Mx	.033	6
3	MP3C	X	-18.369	
.4	MP3C	Z	31.816	<u>6</u>
5	MP3C	Mx	.033	2.5
6	MP4A	X	-8.266	2.5
7	MP4A	Z	14.318	2.5
8	MP4A	Mx	.004	4.5
9	MP4A	X	-8.266	4.5
0	MP4A	Z	14.318	4.5
51	MP4A	Mx	.004 -8.266	2.5
2	MP4B	X		2.5
3	MP4B	Z	14.318 004	2.5
4	MP4B	Mx	-8.266	4.5
55	MP4B	X		4.5
6	MP4B	Z	14.318 004	4.5
7	MP4B	Mx	-8.266	2.5
8	MP4C	X	14.318	2.5
9	MP4C	Z	.004	2.5
60	MP4C	Mx	-8.266	4.5
61	MP4C	X	14.318	4.5
52	MP4C	Z	.004	4.5
33	MP4C	Mx	-13.074	1.5
64	M74A	X	22.645	1.5
55	M74A	Z	0	1.5
66	M74A	Mx	-7.518	2.5
57	MP2A	X	13.021	2.5
38	MP2A		004	2.5
39	MP2A	Mx	-7.518	2.5
70	MP2B	X	13.021	2.5
71	MP2B	Z	.004	2.5
72	MP2B	Mx	-7.518	2.5
73	MP2C	X	13.021	2.5
74	MP2C	Z	004	2.5
75	MP2C	Mx	-8.645	2
76	MP2A	X	14.974	2
77	MP2A	Z	.004	2
78	MP2A	Mx	-8.645	5
79	MP2A	X	14.974	5
30	MP2A	Z	.004	5
31	MP2A	Mx	-7.61	2
32	MP2B	X	13.18	2
33	MP2B		008	2
34	MP2B	Mx	-7.61	5
35	MP2B	X	13.18	5
36	MP2B		008	5
37	MP2B	Mx	-8.645	2
38	MP2C	X	14.974	2
39	MP2C		.004	2
90	MP2C	Mx	-8.645	5
91	MP2C	X	14.974	5
92	MP2C		.004	5
93	MP2C	Mx	-8.645	2
94	MP5A	X	14.974	2
95	MP5A	Z	17.07	r3d] Page 6°

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
96	MP5A	Mx	.004	2
97	MP5A	X	-8.645	5
98	MP5A	Z	14.974	5
99	MP5A	Mx	.004	5
100	MP5B	X	-7.61	2
101	MP5B	Z	13.18	2
102	MP5B	Mx	008	2
103	MP5B	X	-7.61	5
104	MP5B	7	13.18	5
105	MP5B	Mx	008	5
106	MP5C	X	-8.645	2
107	MP5C	Z	14.974	
108	MP5C	Mx	.004	2
109	MP5C	X	-8.645	
110	MP5C	7	14.974	5
111	MP5C	Mx		5
112	MP3A	X	.004	5
113	MP3A	7	-3.805	.5
114	MP3A	Mx	6.591	.5
115	MP3B	X	002	.5
116	MP3B		-3.805	.5
117	MP3B	Z	6.591	.5
	IVIF JD	Mx	.002	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-10.299	2.5
2	MP3A	Z	5.946	2.5
3	MP3A	Mx	005	2.5
4	MP3B	X	-14.093	2.5
5	MP3B	Z	8.137	2.5
6	MP3B	Mx	0	2.5
7	MP3C	X	-14.093	2.5
8	MP3C	Z	8.137	2.5
9	MP3C	Mx	0	2.5
10	MP3A	X	-27.693	1
11	MP3A	Z	15.988	1
12	MP3A	Mx	.026	1
13	MP3A	X	-27.693	6
14	MP3A	Z	15.988	6
15	MP3A	Mx	.026	6
16	MP3B	X	-33.877	1
17	MP3B	Z	19.559	1
18	MP3B	Mx	.029	-
19	MP3B	X	-33.877	6
20	MP3B	Z	19.559	6
21	MP3B	Mx	.029	6
22	MP3C	X	-33.877	1
23	MP3C	Z	19.559	1
24	MP3C	Mx	029	
25	MP3C	X	-33.877	6
26	MP3C	Z	19.559	6
27	MP3C	Mx	029	6
28	MP3A	X	-27.693	1
29	MP3A	Ž	15.988	1
30	MP3A	Mx	.002	
31	MP3A	X	-27.693	6

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

	oint Loads (BLC 23 : Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
32	MP3A	Z	15.988	6
33	MP3A	Mx	.002	0
34	MP3B	X	-31.816	
35	MP3B	Z	18.369	
36	MP3B	Mx	033	6
37	MP3B	X	-31.816	6
38	MP3B	Z	18.369	6
39	MP3B	Mx	033	0
40	MP3C	X	-33.877	
41	MP3C	Z	19.559	
42	MP3C	Mx	.029	6
43	MP3C	X	-33.877	6
44	MP3C	Z	19.559	6
45	MP3C	Mx	.029	2,5
46	MP4A	X	-9.522	2.5
47	MP4A	Z	5.498	2.5
48	MP4A	Mx		4.5
49	MP4A	X	-9.522 5.409	4.5
50	MP4A	Z	5.498	4.5
51	MP4A	Mx	-16,716	2.5
52	MP4B	X		2.5
53	MP4B	Z	9.651	2.5
54	MP4B	Mx	-16,716	4.5
55	MP4B	X	9.651	4.5
56	MP4B	Z	9.651	4.5
57	MP4B	Mx	-16.716	2.5
58	MP4C	X		2.5
59	MP4C	Z	9.651	2.5
60	MP4C	Mx	-16.716	4.5
61	MP4C	X	9.651	4.5
62	MP4C	Z	9.651	4.5
63	MP4C	Mx	-24.222	1.5
64	M74A	X	13.985	1.5
65	M74A	Z	13.965	1.5
66	M74A	Mx	-10.877	2.5
67	MP2A	X	6.28	2.5
68	MP2A	Z	005	2.5
69	MP2A	Mx	-14.093	2.5
70	MP2B	X	8.137	2.5
71	MP2B	Z	0.137	2.5
72	MP2B	Mx	-14.093	2.5
73	MP2C	X	8.137	2.5
74	MP2C	Z	0.137	2.5
75	MP2C	Mx	-13.778	2
76	MP2A	X	7.955	2
77	MP2A	Z	.007	2
78	MP2A	Mx	-13,778	5
79	MP2A	X	7.955	5
80	MP2A	Z	.007	5
81	MP2A	Mx	-13.778	2
82	MP2B	X	7.955	2
83	MP2B	Z	007	2
84	MP2B	Mx	-13.778	5
85	MP2B	X	7.955	5
86	MP2B	Z	007	5
87	MP2B	Mx	-15.572	2
88	MP2C	X	-10.012	r3d] Page 6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP2C	Z	8.991	2
90	MP2C	Mx	0	2
91	MP2C	X	-15.572	5
92	MP2C	Z	8.991	5
93	MP2C	Mx	0	5
94	MP5A	X	-13.778	2
95	MP5A	Z	7.955	2
96	MP5A	Mx	.007	2
97	MP5A	X	-13.778	5
98	MP5A	Z	7.955	5
99	MP5A	Mx	.007	5
100	MP5B	X	-13.778	2
101	MP5B	7	7.955	2
102	MP5B	Mx	007	2
103	MP5B	X	-13.778	5
104	MP5B	7	7.955	5
105	MP5B	Mx	007	5
106	MP5C	X	-15.572	2
107	MP5C	7	8.991	2
108	MP5C	Mx	0	2
109	MP5C	X	-15.572	5
110	MP5C	7	8.991	5
111	MP5C	Mx	0	5
112	MP3A	X	-4.271	.5
113	MP3A	Ž	2.466	.5
114	MP3A	Mx	002	.5
115	MP3B	X	-7.75	.5 .5
116	MP3B	Ž	4.475	.5
117	MP3B	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-10.431	2.5
2	MP3A	Z	0	2.5
3	MP3A	Mx	005	2.5
4	MP3B	X	-14.813	2.5
5	MP3B	Z	0	2.5
6	MP3B	Mx	004	2.5
7	MP3C	X	-14.813	2.5
8	MP3C	Z	0	2.5
9	MP3C	Mx	.004	2.5
10	MP3A	X	-29.596	1
11	MP3A	Z	0	1
12	MP3A	Mx	.015	1
13	MP3A	X	-29.596	6
14	MP3A	Z	0	6
15	MP3A	Mx	.015	6
16	MP3B	X	-36.738	1
17	MP3B	7	0	
18	MP3B	Mx	.033	1
19	MP3B	X	-36.738	6
20	MP3B	Ž	0	6
21	MP3B	Mx	.033	6
22	MP3C	X	-36.738	1
23	MP3C	Z	-30.738	1
24	MP3C	Mx	033	

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

	Member Label	Antenna Wi (270 De	Magnitude[lb,k-ft]	Location[ft,%]
25	MP3C	X	-36.738	6
26	MP3C	Z	0	6
7	MP3C	Mx	033	0
28	MP3A	X	-29.596	3
29	MP3A	Z	0	1
30	MP3A	Mx	.015	
31	MP3A	X	-29.596	6
32	MP3A	Z	0	6
33	MP3A	Mx	.015	6
34	MP3B	X	-39.118	11
35	MP3B	Z	0	
36	MP3B	Mx	029	11
37	MP3B	X	-39.118	6
38	MP3B	Z	0	6
39	MP3B	Mx	029	6
40	MP3C	X	-36.738	1
41	MP3C	Z	0	1
42	MP3C	Mx	.015	1
	MP3C	X	-36.738	6
43	MP3C	Z	0	6
44	MP3C	Mx	.015	6
45	MP4A	X	-8.226	2.5
46	MP4A MP4A	Ž	0	2.5
47	MP4A MP4A	Mx	.004	2.5
48	MP4A	X	-8.226	4.5
49		Ž	0	4.5
50	MP4A MP4A	Mx	.004	4.5
51		X	-16.533	2.5
52	MP4B MP4B	Z	0	2.5
53		Mx	.004	2.5
54	MP4B	X	-16.533	4.5
55	MP4B	Z	0	4.5
56	MP4B	Mx	.004	4.5
57	MP4B	X	-16.533	2.5
58	MP4C	Z	0	2.5
59	MP4C	Mx	004	2.5
60	MP4C	X	-16.533	4.5
61	MP4C	Z	0	4.5
62	MP4C		004	4.5
63	MP4C	Mx	-31.612	1.5
64	M74A	X Z	0	1.5
65	M74A		0	1.5
66	M74A	Mx	-11.323	2.5
67	MP2A	X	-11.525	2.5
68	MP2A	Z	006	2.5
69	MP2A	Mx	-15.036	2.5
70	MP2B	X	-15.030	2.5
71	MP2B	Z	004	2.5
72	MP2B	Mx		2.5
73	MP2C	X	-15.036	2.5
74	MP2C	Z	0	2.5
75	MP2C	Mx	.004	2.3
76	MP2A	X	-15.219	2
77	MP2A	Z	0	2
78	MP2A	Mx	.008	2
79	MP2A	X	-15.219	5
80	MP2A	Z	0	5
81	MP2A	Mx	.008	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP2B	X	-17.291	2
83	MP2B	Z	0	2
84	MP2B	Mx	004	2
85	MP2B	X	-17.291	5
86	MP2B	Z	0	5
87	MP2B	Mx	004	5
88	MP2C	X	-17,291	2
89	MP2C	Z	0	2
90	MP2C	Mx	004	2
91	MP2C	X	-17.291	5
92	MP2C	Z	0	5
93	MP2C	Mx	004	5
94	MP5A	X	-15.219	2
95	MP5A	Z	0	2
96	MP5A	Mx	.008	2
97	MP5A	X	-15.219	5
98	MP5A	Z	0	5
99	MP5A	Mx	.008	5
100	MP5B	X	-17.291	2
101	MP5B	Z	0	2
102	MP5B	Mx	004	2
103	MP5B	X	-17.291	5
104	MP5B	Z	0	5
105	MP5B	Mx	004	5
106	MP5C	X	-17.291	2
107	MP5C	Z	0	2
108	MP5C	Mx	004	2
109	MP5C	X	-17.291	5
110	MP5C	Z	0	5
111	MP5C	Mx	004	5
112	MP3A	X	-3.593	.5
113	MP3A	Z	0	.5
114	MP3A	Mx	002	.5
115	MP3B	X	-7.61	.5
116	MP3B	Z	0	.5
117	MP3B	Mx	002	.5

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

	Member Label	Direction	Magnitudellb.k-ftl	Location[ft,%]
1	MP3A	X	-10.299	2.5
2	MP3A	Z	-5.946	2.5
3	MP3A	Mx	005	2.5
4	MP3B	X	-10.299	2.5
5	MP3B	Z	-5.946	2.5
6	MP3B	Mx	005	2.5
7	MP3C	X	-10.299	2.5
8	MP3C	Z	-5.946	2.5
9	MP3C	Mx	.005	2.5
10	MP3A	X	-27.693	1
11	MP3A	Z	-15.988	1
12	MP3A	Mx	.002	
13	MP3A	X	-27.693	6
14	MP3A	7	-15.988	6
15	MP3A	Mx	.002	6
16	MP3B	X	-27.693	1
17	MP3B	Z	-15.988	1

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

	Point Loads (BLC 25 : Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP3B	Mx	.026	6
9	MP3B	X	-27.693	
0	MP3B	Z	-15.988	6
1	MP3B	Mx	.026	1
2	MP3C	X	-27.693	
3	MP3C	Z	-15.988	
4	MP3C	Mx	026	6
5	MP3C	X	-27,693	6
6	MP3C	Z	-15.988	6
7	MP3C	Mx	026	1
8	MP3A	X	-27.693	1
9	MP3A	Z	-15.988	
30	MP3A	Mx	.026	6
1	MP3A	X	-27.693	6
2	MP3A	Z	-15.988	6
3	MP3A	Mx	.026	1
4	MP3B	X	-31.816	1
5	MP3B	Z	-18.369	
6	MP3B	Mx	015	
7	MP3B	X	-31.816	6
8	MP3B	Z	-18.369	
9	MP3B	Mx	015	6
10	MP3C	X	-27.693	1
1	MP3C	Z	-15.988	1
2	MP3C	Mx	-,002	
3	MP3C	X	-27.693	6
14	MP3C	Z	-15.988	6
5	MP3C	Mx	002	6
6	MP4A	X	-9.522	2.5
17	MP4A	Z	-5.498	2.5
18	MP4A	Mx	.005	2.5
19	MP4A	X	-9.522	4.5
50	MP4A	Z	-5.498	4.5
51	MP4A	Mx	.005	4.5
52	MP4B	X	-9.522	2.5
53	MP4B	Z	-5.498	2.5
54	MP4B	Mx	.005	2.5
55	MP4B	X	-9.522	4.5
56	MP4B	Z	-5.498	4.5
57	MP4B	Mx	.005	4.5
58	MP4C	X	-9.522	2.5
59	MP4C	Z	-5.498	2.5
50	MP4C	Mx	005	2.5
51	MP4C	X	-9.522	4.5
52	MP4C	Z	-5.498	4.5
53	MP4C	Mx	005	4.5
64	M74A	X	-28,954	1.5
65	M74A	Z	-16.717	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	-10.877	2.5
68	MP2A	Z	-6.28	2.5
69	MP2A	Mx	005	2.5
70	MP2B	X	-10.877	2.5
71	MP2B	Z	-6.28	2.5
	MP2B	Mx	005	2.5
72 73	MP2C	X	-10.877	2.5
101	MP2C		-6.28	2.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP2C	Mx	.005	2.5
76	MP2A	X	-13.778	2
77	MP2A	Z	-7.955	2
78	MP2A	Mx	.007	2
79	MP2A	X	-13.778	5
80	MP2A	Z	-7.955	5
81	MP2A	Mx	.007	5
82	MP2B	X	-15.572	2
83	MP2B	Z	-8.991	2
84	MP2B	Mx	0	2
85	MP2B	X	-15.572	5
86	MP2B	Z	-8.991	5
87	MP2B	Mx	0	5
88	MP2C	X	-13.778	2
89	MP2C	Z	-7.955	2
90	MP2C	Mx	007	2
91	MP2C	X	-13.778	5
92	MP2C	Z	-7.955	5
93	MP2C	Mx	007	5
94	MP5A	X	-13.778	2
95	MP5A	Z	-7.955	2
96	MP5A	Mx	.007	2
97	MP5A	X	-13.778	5
98	MP5A	Z	-7.955	5
99	MP5A	Mx	.007	5
100	MP5B	X	-15.572	2
101	MP5B	Z	-8.991	2
102	MP5B	Mx	0	2
103	MP5B	X	-15.572	5
104	MP5B	Z	-8.991	5
105	MP5B	Mx	0	5
106	MP5C	X	-13.778	2
107	MP5C	Z	-7.955	
108	MP5C	Mx	007	2
109	MP5C	X	-13.778	5
110	MP5C	Z	-7.955	5
111	MP5C	Mx	007	5
112	MP3A	X	-4.271	.5
113	MP3A	Z	-2.466	.5
114	MP3A	Mx	002	.5
115	MP3B	X	-4.271	.5
116	MP3B	Ž	-2.466	.5
117	MP3B	Mx	002	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-7.406	2.5
2	MP3A	Z	-12.828	2.5
3	MP3A	Mx	004	2.5
4	MP3B	X	-5.216	2.5
5	MP3B	Z	-9.034	2.5
6	MP3B	Mx	005	2.5
7	MP3C	X	-5.216	2.5
8	MP3C	Z	-9.034	2.5
9	MP3C	Mx	.005	2.5
10	MP3A	X	-18.369	1



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Z	-31.816	1
2	MP3A	Mx	015	
3	MP3A	X	-18.369	6
4	MP3A	Z	-31.816	6
5	MP3A	Mx	015	6
6	MP3B	X	-14.798	
7	MP3B	Z	-25.631	
8	MP3B	Mx	.015	1
9	MP3B	X	-14,798	6
0	MP3B	Z	-25.631	6
1	MP3B	Mx	.015	6
2	MP3C	X	-14.798	111
	MP3C	Z	-25.631	11
3	MP3C	Mx	015	11
4	MP3C	X	-14.798	6
5	MP3C	Z	-25.631	6
6	MP3C	Mx	015	6
7		X	-18.369	1
8	MP3A	Z	-31.816	11
9	MP3A	Mx	.033	1
0	MP3A	X	-18.369	6
1	MP3A	Ž	-31.816	6
2	MP3A	Mx	.033	6
3	MP3A	X	-15.988	1
34	MP3B	Ž	-27.693	1
5	MP3B		.002	1
6	MP3B	Mx	-15.988	6
37	MP3B	X	-27.693	6
8	MP3B	Z	.002	6
19	MP3B	Mx	-14.798	1
10	MP3C	X	-25.631	1
1 -	MP3C	Z	015	î
2	MP3C	Mx	-14.798	6
13	MP3C	X		6
14	MP3C	Z	-25.631	6
15	MP3C	Mx	-,015	2.5
6	MP4A	X	-8.266	2.5
17	MP4A	Z	-14.318	2.5
8	MP4A	Mx	.004	4.5
19	MP4A	X	-8.266	
50	MP4A	Z	-14.318	4.5 4.5
51	MP4A	Mx	.004	
52	MP4B	X	-4.113	2.5
53	MP4B	Z	-7.124	2.5
54	MP4B	Mx	.004	2.5
55	MP4B	X	-4.113	4.5
56	MP4B	Z	-7.124	4.5
57	MP4B	Mx	.004	4.5
58	MP4C	X	-4.113	2.5
59	MP4C	Z	-7.124	2.5
50	MP4C	Mx	004	2.5
	MP4C	X	-4.113	4.5
61	MP4C	Z	-7.124	4.5
62	MP4C MP4C	Mx	004	4.5
63		X	-15.806	1.5
64	M74A	Ž	-27.377	1.5
65	M74A	Mx	0	1.5
66	M74A	X	-7.518	2.5

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

00 1	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP2A	Z	-13.021	2.5
69	MP2A	Mx	004	2.5
70	MP2B	X	-5.661	2.5
71	MP2B	Z	-9.806	2.5
72	MP2B	Mx	006	2.5
73	MP2C	X	-5.661	2.5
74	MP2C	Z	-9.806	2.5
75	MP2C	Mx	.006	2.5
76	MP2A	X	-8.645	2
77	MP2A	Z	-14.974	2
78	MP2A	Mx	.004	2
79	MP2A	X	-8.645	5
80	MP2A	Z	-14.974	5
81	MP2A	Mx	.004	5
82	MP2B	X	-8.645	2
83	MP2B	Z	-14.974	2
84	MP2B	Mx	.004	2
85	MP2B	X	-8.645	5
86	MP2B	Z	-14.974	5
87	MP2B	Mx	.004	5
88	MP2C	X	-7.61	2
89	MP2C	Z	-13.18	2
90	MP2C	Mx	008	2
91	MP2C	X	-7.61	5
92	MP2C	Z	-13.18	5
93	MP2C	Mx	008	5
94	MP5A	X	-8.645	2
95	MP5A	Z	-14.974	2
96	MP5A	Mx	.004	2
97	MP5A	X	-8.645	5
98	MP5A	Z	-14.974	5
99	MP5A	Mx	.004	5
00	MP5B	X	-8.645	2
01	MP5B	Z	-14.974	2
02	MP5B	Mx	.004	2
03	MP5B	X	-8.645	5
04	MP5B	Z	-14.974	5
05	MP5B	Mx	.004	5
06	MP5C	X	-7.61	2
07	MP5C	Ž	-13.18	2
08	MP5C	Mx	008	2
09	MP5C	X	-7.61	5
10	MP5C	Z	-13.18	
11	MP5C	Mx	008	<u>5</u> 5
12	MP3A	X	-3.805	3
13	MP3A	Z	-6.591	.5
14	MP3A	Mx	002	.5
15	MP3B	X		.5
16	MP3B	Z	-1.797 -3.112	.5 .5
	IVII OLI		-3 1 /	

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

	Member Label	Direction	Magnitude(lb.k-ft)	LocationIft %1
1	MP3A	X	0	2.5
2	MP3A	Z	-4.054	2.5
3	MP3A	Mx	0	2.5

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

	Member Label	Antenna Wm (0 Deg	Magnitude[lb,k-ft]	Location[ft,%]
4	MP3B	X	0	2.5
5	MP3B	Z	-2.857	2.5
3	MP3B	Mx	001	2.5
7	MP3C	X	0	2.5
3	MP3C	Z	-2.857	2.5
	MP3C	Mx	.001	2.5
0	MP3A	X	0	
1	MP3A	Z	-6.186	
2	MP3A	Mx	005	
3	MP3A	X	0	6
4	MP3A	Z	-6.186	6
5	МРЗА	Mx	005	6
6	MP3B	X	0	1
7	MP3B	Z	-5.019	1
8	MP3B	Mx	.000291	1
9	MP3B	X	0	6
0	MP3B	Z	-5.019	6
1	MP3B	Mx	.000291	6
2	MP3C	X	0	1
3	MP3C	Z	-5.019	1
4	MP3C	Mx	000291	
5	MP3C	X	0	6
6	MP3C	Z	-5.019	6
7	MP3C	Mx	000291	6
8	MP3A	X	0	11
9	MP3A	Z	-6.186	11
9	MP3A	Mx	.005	1
31	MP3A	X	0	6
32	MP3A	Z	-6.186	6
33	MP3A	Mx	.005	6
	MP3B	X	0	1
34 35	MP3B	Z	-4.629	1
	MP3B	Mx	.002	1
36 37	MP3B	X	0	6
	MP3B	Z	-4.629	6
88	MP3B	Mx	.002	6
10	MP3C	X	0	1
11	MP3C	Z	-5.019	1
12	MP3C	Mx	004	
3	MP3C	X	0	6
14	MP3C	Z	-5.019	6
15	MP3C	Mx	004	6
16	MP4A	X	0	2.5
17	MP4A	Z	-5.126	2.5
18	MP4A	Mx	0	2.5
	MP4A	X	0	4.5
19	MP4A	Z	-5.126	4.5
50	MP4A	Mx	0	4.5
51	MP4B	X	0	2.5
52	MP4B MP4B	Z	-2.606	2.5
53	MP4B	Mx	.001	2.5
54	MP4B	X	0	4.5
55	MP4B	Z	-2.606	4.5
56	MP4B	Mx	.001	4.5
57	MP4C	X	0	2.5
58 59	MP4C MP4C	Z	-2.606	2.5
AU I	IVIT4U	Mx	001	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP4C	X	0	4.5
62	MP4C	Z	-2.606	4.5
63	MP4C	Mx	001	4.5
64	M74A	X	0	1.5
65	M74A	Z	-6.8	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	0	2.5
68	MP2A	Z	-4.054	2.5
69	MP2A	Mx	0	2.5
70	MP2B	X	0	2.5
71	MP2B	Z	-3.054	2.5
72	MP2B	Mx	001	2.5
73	MP2C	X	0	2.5
74	MP2C	Z	-3.054	2.5
75	MP2C	Mx	.001	2.5
76	MP2A	X	0	2
77	MP2A	Z	-5.663	2
78	MP2A	Mx	0	2
79	MP2A	X	0	5
80	MP2A	Z	-5.663	5
81	MP2A	Mx	0	5
82	MP2B	X	Ō	2
83	MP2B	Z	-4.961	2
84	MP2B	Mx	.002	2
85	MP2B	X	0	5
86	MP2B	Z	-4.961	5
87	MP2B	Mx	.002	5
88	MP2C	X	0	2
89	MP2C	Z	-4.961	2
90	MP2C	Mx	002	2
91	MP2C	X	0	5
92	MP2C	Z	-4.961	5
93	MP2C	Mx	002	5
94	MP5A	X	0	2
95	MP5A	Z	-5.663	2
96	MP5A	Mx	0	2
97	MP5A	X	0	5
98	MP5A	Z	-5.663	5
99	MP5A	Mx	0	5
00	MP5B	X	0	2
01	MP5B	Z	-4.961	2
02	MP5B	Mx	.002	2
03	MP5B	X	0	5
04	MP5B	Z	-4.961	5
05	MP5B	Mx	.002	5
06	MP5C	X	0	2
07	MP5C	Z	-4.961	2
08	MP5C	Mx	-4.901	2
09	MP5C	X	002	
10	MP5C	Z	-4.961	<u>5</u>
11	MP5C	Mx	-4.961	5
12	MP3A	X	002	5
13	MP3A	Z	-2.511	.5
14	MP3A	Mx		.5
15	MP3B	X	0	.5
16	MP3B	Z	-1.246	.5
17	MP3B	Mx	00054	.5 .5



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

	er Label	Direction	Magnitude[lb,k-ft]	Location[ft,%] 2.5
M	P3A	X	1.828	2.5
	P3A	Z	-3.165 .000914	2.5
	P3A	Mx	1.828	2.5
	23B	X	-3.165	2.5
	23B	Z		2.5
	P3B	Mx	000913	2.5
M	P3C	X	1.828	2.5
	P3C	Z	-3.165 .000913	2.5
	P3C	Mx	2.898	1
	P3A	X	-5.02	1
	P3A	Z	-5.02	
M	P3A	Mx	2.898	6
M	P3A	X	-5.02	6
M	P3A	Z		6
M	P3A	Mx	005 2.898	1
	P3B	X		1
M	P3B	Z	-5.02 002	
	P3B	Mx	2.898	6
M	P3B	X	-5.02	6
M	P3B	Z	-5.02	6
M	P3B	Mx	2.898	1
	P3C	X	-5.02	1
	P3C	Z	.002	1
M	P3C	Mx	2.898	6
M	P3C	X	-5.02	6
M	P3C	Z	.002	6
	P3C	Mx	2.898	1
	P3A	X	-5.02	1
M	P3A		.002	1
	P3A	Mx	2.898	6
	P3A	X	-5.02	6
	P3A	Z	.002	6
	P3A	Mx	2.509	1
	P3B	X	-4.346	1
	P3B	Z	.004	
	P3B	Mx	2.509	6
	P3B	X	-4.346	6
100	P3B	Z	.004	6
	P3B	Mx	2.898	1
	P3C	X	-5.02	1
M	P3C	Z	005	
	P3C	Mx	2.898	6
17.	P3C	X	-5.02	6
M	P3C		005	6
5 M	P3C	Mx	2.143	2.5
S N	P4A	X	-3.712	2.5
7 N	P4A	Z	-3.712	2.5
3 N	P4A	Mx	2.143	4.5
9 <u>N</u>	P4A	X	-3.712	4.5
N	P4A	Z	-3.712	4.5
	P4A	Mx	2.143	2.5
2 N	P4B	X	-3.712	2.5
3 N	IP4B	Z	.001	2.5
4 N	IP4B	Mx	2.143	4.5
5N	P4B	X	-3.712	4.5
5 N	IP4B	Z	-3.712	4.5
7 N	IP4B	Mx	.001	1.0



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4C	X	2,143	2.5
59	MP4C	Z	-3.712	2.5
60	MP4C	Mx	001	2.5
61	MP4C	X	2.143	4.5
62	MP4C	Z	-3.712	4.5
63	MP4C	Mx	001	4.5
64	M74A	X	3.152	1.5
65	M74A	Z	-5.459	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	1.86	2.5
68	MP2A	Z	-3.222	2.5
69	MP2A	Mx	.00093	2.5
70	MP2B	X	1.86	2.5
71	MP2B	Z	-3.222	2.5
72	MP2B	Mx	00093	2.5
73	MP2C	X	1.86	2.5
74	MP2C	Z	-3.222	2.5
75	MP2C	Mx	.00093	2.5
76	MP2A	X	2.714	2
77	MP2A	Z	-4.701	2
78	MP2A	Mx	001	2
79	MP2A	X	2.714	5
80	MP2A	Z	-4.701	5
81	MP2A	Mx	001	5
82	MP2B	X	2.364	2
83	MP2B	Z	-4.094	2
84	MP2B	Mx	.002	2
85	MP2B	X	2.364	5
86	MP2B	Z	-4.094	5
87	MP2B	Mx	.002	5
88	MP2C	X	2.714	2
89	MP2C	Z	-4.701	2
90	MP2C	Mx	001	2
91	MP2C	X	2.714	5
92	MP2C	Z	-4.701	5
93	MP2C	Mx	001	5
94	MP5A	X	2.714	2
95	MP5A	Z	-4.701	2
96	MP5A	Mx	001	2
97	MP5A	X	2.714	5
98	MP5A	Z	-4.701	5
99	MP5A	Mx	001	5
100	MP5B	X	2.364	
101	MP5B	Z	-4.094	2 2
102	MP5B	Mx	.002	2
103	MP5B	X	2.364	5
104	MP5B	Z	-4.094	5
105	MP5B	Mx	.002	<u>5</u> 5
106	MP5C	X	2.714	2
107	MP5C	Z	-4.701	2
108	MP5C	Mx	001	2
109	MP5C	X	2.714	5
110	MP5C	Z	-4.701	5
111	MP5C	Mx	-4.701	5
112	MP3A	X	1.045	.5
113	MP3A	Z	-1.809	.3 E
114	MP3A	Mx	.000522	.5 .5

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

VICITIOCI	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
445	MP3B	X	1.045	.5
115		7	-1.809	.5
115 116	MP3B	Mx	000522	.5
117	MP3B	IVIA	10000=	

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

	mber Label	Antenna Wm (60 De	Magnitude[lb,k-ft]	Location[ft.%]
1	MP3A	X	2.475	2.5
2	MP3A	Z	-1.429	2.5
3	MP3A	Mx	.001	2.5
	MP3B	X	3,511	2.5
5	MP3B	Z	-2.027	2.5
	MP3B	Mx	0 —	2.5
6	MP3C	X	3,511	2.5
7	MP3C	Z	-2.027	2.5
8	MP3C	Mx	0	2.5
9	MP3A	X	4.346	1
10	MP3A	Z	-2.509	1
11	MP3A	Mx	004	11
	MP3A	X	4.346	6
13	MP3A	Z	-2.509	6
14	MP3A	Mx	004	6
15	MP3B	X	5.357	
16	MP3B	Z	-3.093	1
17	MP3B	Mx	005	1
18		X	5.357	6
19	MP3B	Ž	-3.093	6
20	MP3B	Mx	005	6
21	MP3B	X	5.357	
22	MP3C	Z	-3.093	1
23	MP3C	Mx	.005	1
24	MP3C	X	5.357	6
25	MP3C	Z	-3.093	6
26	MP3C	Mx	.005	6
27	MP3C	X	4.346	1
28	MP3A	Z	-2.509	1
29	MP3A	Mx	000291	1
30	MP3A	X	4.346	6
31	MP3A	Z	-2.509	6
32	MP3A		000291	6
33	MP3A	Mx	5.02	
34	MP3B	X	-2.898	1
35	MP3B	Z	.005	1
36	MP3B	Mx	5.02	6
37	MP3B	X	-2.898	6
38	MP3B	Z	.005	6
39	MP3B	Mx	5.357	1
40	MP3C	X		1
41	MP3C	Z	-3.093	1
42	MP3C	Mx	005	6
43	MP3C	X	5.357	6
44	MP3C	Z	-3.093	6
45	MP3C	Mx	005	2.5
46	MP4A	X	2.257	
47	MP4A	Z	-1.303	2.5
48	MP4A	Mx	001	2.5
49	MP4A	X	2.257	4.5
50	MP4A	Z	-1.303	4.5



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

51 52 53 54 55 56 57 58 59 60 61 62	MP4A MP4B MP4B MP4B MP4B MP4B MP4B MP4C MP4C MP4C MP4C MP4C MP4C	Mx X Z Mx X Z Mx X Z Mx Z A	Magnitude[lb,k-ft]001 4.44 -2.563 0 4.44 -2.563 0 4.44 -2.44	2.5 2.5 2.5 2.5 4.5 4.5 4.5
53 54 55 56 57 58 59 60 61 62	MP4B MP4B MP4B MP4B MP4B MP4C MP4C MP4C MP4C	Z Mx X Z Mx X Z	-2.563 0 4.44 -2.563 0	2.5 2.5 2.5 4.5 4.5
54 55 56 57 58 59 60 61 62	MP4B MP4B MP4B MP4B MP4C MP4C MP4C MP4C MP4C	Mx X Z Mx X Z	0 4.44 -2.563 0	2.5 2.5 4.5 4.5
55 56 57 58 59 60 61 62	MP4B MP4B MP4B MP4C MP4C MP4C MP4C MP4C	X Z Mx X Z	4.44 -2.563 0	2.5 4.5 4.5
56 57 58 59 60 61 62	MP4B MP4B MP4C MP4C MP4C MP4C	Z Mx X Z	-2.563 0	4.5 4.5
57 58 59 60 61 62	MP4B MP4C MP4C MP4C MP4C	Mx X Z	0	4.5
58 59 60 61 62	MP4C MP4C MP4C MP4C	X		A E
59 60 61 62	MP4C MP4C MP4C	Z	4 44	4.5
60 61 62	MP4C MP4C			2.5
61 62	MP4C		-2.563	2.5
62		Mx	0	2.5
	MPAC	X	4.44	4.5
		Z	-2.563	4.5
63	MP4C	Mx	0	4.5
64	M74A	X	5.889	1.5
65	M74A	Z	-3.4	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	2.645	2.5
68	MP2A	Z	-1.527	2.5
69	MP2A	Mx	.001	2.5
70	MP2B	X	3.511	2.5
71	MP2B	Z	-2.027	2.5
72	MP2B	Mx	0	2.5
73	MP2C	X	3.511	2.5
74	MP2C	Z	-2.027	2.5
75	MP2C	Mx	0	2.5
76	MP2A	X	4.296	2
77	MP2A	Z	-2.481	2
78	MP2A	Mx	002	2
79	MP2A	X	4.296	5
80	MP2A	Z	-2.481	5
81	MP2A	Mx	002	5
82	MP2B	X	4.296	2
83	MP2B	Z	-2.481	2
84	MP2B	Mx	.002	2
85	MP2B	X	4.296	5
86	MP2B	Z	-2.481	5
87	MP2B	Mx	.002	5
88	MP2C	X	4.904	2
89	MP2C	Z	-2.831	2
90	MP2C	Mx	0	2
91	MP2C	X	4.904	5
92	MP2C	Z	-2.831	5
93	MP2C	Mx	0	5
94	MP5A	X	4.296	2
95	MP5A	Z	-2.481	2
96	MP5A	Mx	002	2
97	MP5A	X	4.296	5
98	MP5A	Z	-2.481	<u> </u>
99	MP5A	Mx	002	5
00	MP5B	X	4.296	5
01	MP5B	Z	-2.481	2
02	MP5B	Mx	.002	2
03	MP5B	X		2
04	MP5B	Z	4.296	5
05	MP5B	Mx	-2.481	5
06	MP5C	X	.002	5
07	MP5C	Z	4.904 -2.831	2 2



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

iciiibei i	POINT LUADS (BLU 20.	Direction	Magnitude[lb,k-ft]	Location[ft,%]
	Member Label		0	2
08	MP5C	Mx	4.904	5
09	MP5C	X		Ē
	MP5C	Z	-2.831	
10		Mx	0	5
11	MP5C	V	1.079	.5
12	MP3A		623	5
13	MP3A	L		5
	MP3A	Mx	.00054	.5
114	MP3B	X	2.174	.5
115		7	-1.255	.5
116	MP3B	14.	0	.5
117	MP3B	Mx	0	

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

Olling C	Point Loads (BLC 30 :	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4 1	Member Label MP3A	X	2.459	2.5
1	MP3A	Ž	0	2.5
2	MP3A	Mx	.001	2.5
3	MP3A MP3B	X	3.655	2.5
4	MP3B	Z	0	2.5
5	MP3B	Mx	.000914	2.5
6	MP3B	X	3.655	2.5
7	MP3C	Z	0	2.5
8	MP3C	Mx	000914	2.5
9	MP3C	X	4.629	1
10	MP3A	Z	0	1
1	MP3A		002	1
12	MP3A	Mx	4.629	6
13	MP3A	X	0	6
14	MP3A	Z	002	6
15	MP3A	Mx	5.797	1
16	MP3B	X	0	1
17	MP3B	Z	005	
18	MP3B	Mx	5.797	6
19	MP3B	X	0	6
20	мР3В	Z	005	6
21	MP3B	Mx	5.797	1
22	MP3C	X		1
23	MP3C	Z	0	1
24	MP3C	Mx	.005	6
25	MP3C	X	5.797	6
26	MP3C	Z	0	6
27	MP3C	Mx	.005	1
28	MP3A	X	4.629	1
29	MP3A	Z	0	
30	MP3A	Mx	002	6
31	MP3A	X	4.629	
32	MP3A	Z	0	6
33	MP3A	Mx	002	6
34	MP3B	X	6.186	
35	MP3B	Z	0	1
36	MP3B	Mx	.005	1
	MP3B	X	6.186	6
37	MP3B	Z	0	6
38	MP3B	Mx	.005	6
39	MP3C	X	5.797	1
40	MP3C	Z	0	11
41	MP3C	Mix	002	11
42 43	MP3C	X	5.797	6

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

44	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP3C	Z	0	6
46	MP3C MP4A	Mx	002	6
47	MP4A	X	1.765	2.5
48	MP4A MP4A	Z	0	2.5
49	MP4A	Mx	000882	2.5
50	MP4A	X	1.765	4.5
51	MP4A	Z	0	4.5
52	MP4B	Mx	000882	4.5
53	MP4B	X	4.286	2.5
54	MP4B	Z	0	2.5
55	MP4B	Mx	001	2.5
56	MP4B	X	4.286	4.5
57	MP4B	Z	0	4.5
58	MP4C	Mx	001	4.5
59	MP4C MP4C	X	4.286	2.5
60	MP4C	Z	0	2.5
61	MP4C	Mx	.001	2.5
62	MP4C	X	4.286	4.5
63	MP4C	Z	0	4.5
64	M74A	Mx	.001	4.5
65	M74A	X	7.794	1.5
66	M74A	Z	0	1.5
67	MP2A	Mx	0	1.5
68	MP2A MP2A	X	2.72	2.5
69	MP2A	Z	0	2.5
70	MP2B	Mx	.001	2.5
71	MP2B	X	3.721	2.5
72	MP2B	Z	0	2.5
73	MP2C	Mx	.00093	2.5
74	MP2C	X	3.721	2.5
75	MP2C	Z	0	2.5
76	MP2A	Mx	00093	2.5
77	MP2A	X	4.727	2
78	MP2A	Z	0	2
79	MP2A	Mx	002	2
80	MP2A	X	4.727	5
81	MP2A		0	5
82	MP2B	Mx	002	5
83	MP2B	X	5.429	2
84	MP2B		0	2
85	MP2B	Mx	.001	2
86	MP2B	X	5.429	5
87	MP2B		0	5
88	MP2C	Mx	.001	5
89	MP2C	X	5.429	2
90	MP2C	Z	0	2
91	MP2C	Mx	.001	2
92	MP2C	X	5.429	5
93	MP2C	Z	0	5
94	MP5A	Mx	.001	5
95	MP5A	X	4.727	2
96	MP5A	Z	0	2
97	MP5A	Mx	002	2
98	MP5A	X	4.727	5
99	MP5A MP5A	Z	0	5
100	MP5B	Mx	002	5
100	IVIE JD	X	5.429	2



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

i ciribor	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
		7	0	2
101	MP5B	Mx	.001	2
102	MP5B	IVIX	5.429	5
103	MP5B	X 7	0	5
104	MP5B			5
105	MP5B	Mx	.001	2
106	MP5C	X	5.429	2
107	MP5C	Z	0	
108	MP5C	Mx	.001	2
	MP5C	X	5.429	5
109		7	0	5
110	MP5C	Mx	.001	5
111	MP5C	X	.824	.5
112	MP3A	7	0	.5
113	MP3A		.000412	.5
114	MP3A	Mx	100000000000000000000000000000000000000	.5
115	MP3B	X	2.089	.5
116	MP3B	Z	0	
117	MP3B	Mx	.000522	.5

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

ichiber i c	oint Loads (BLC 31 :	Direction	Magnitude[lb,k-ft]	Location[ft,%]
-	Member Label	X	2.475	2.5
1	MP3A MP3A	Z	1.429	2.5
2		Mx	.001	2.5
3	MP3A	X	2.475	2.5
4	MP3B	Z	1.429	2.5
5	MP3B	Mx	.001	2.5
6	MP3B	X	2.475	2.5
7	MP3C	Ž	1.429	2.5
8	MP3C	Mx	001	2.5
9	MP3C	X	4.346	
10	MP3A	Z	2.509	1
11	MP3A	Mx	000291	
12	MP3A	X	4.346	6
13	MP3A	Ž	2.509	6
14	MP3A	Mx	000291	6
15	MP3A	X	4.346	1
16	MP3B	Z	2.509	1
17	MP3B	Mx	004	1
18	MP3B	X	4.346	6
19	MP3B	ż	2.509	6
20	MP3B	Mx	004	6
21	MP3B	X	4.346	1
22	MP3C	Z	2.509	1
23	MP3C		.004	1
24	MP3C	Mx	4.346	6
25	MP3C	X	2.509	6
26	MP3C		.004	6
27	MP3C	Mx	4.346	1
28	MP3A	X	2.509	1
29	MP3A		004	1
30	MP3A	Mx	4,346	6
31	MP3A	X	2.509	6
32	MP3A	Z	004	6
33	MP3A	Mx	5.02	1
34	MP3B	X	2.898	1
35	MP3B	Z	.002	1
36	MP3B	Mx	.002	

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

C = C	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP3B	X	5.02	6
38	MP3B	Z	2.898	6
39 40	MP3B	Mx	.002	6
41	MP3C	X	4.346	1
42	MP3C	Z	2.509	11
43	MP3C	Mx	.000291	1 1
44	MP3C	X	4.346	6
45	MP3C MP3C	Z	2.509	6
46	MP4A	Mx	.000291	6
47	MP4A	X	2.257	2.5
48	MP4A	Z	1.303	2.5
49	MP4A	Mx	001	2.5
50	MP4A	X	2.257	4.5
51	MP4A		1.303	4.5
52	MP4B	Mx	001	4.5
53	MP4B	X	2.257	2.5
54	MP4B		1.303	2.5
55	MP4B	Mx	001	2.5
56	MP4B	X	2.257	4.5
57	MP4B		1.303	4.5
58	MP4C	Mx	001	4.5
59	MP4C	X Z	2.257	2.5
60	MP4C		1.303	2.5
61	MP4C	Mx X	.001	2.5
62	MP4C	Z	2.257	4.5
63	MP4C	Mx	1.303	4.5
64	M74A	X	.001	4.5
65	M74A	Z	7.18	1.5
66	M74A	Mx	4.146	1.5
67	MP2A	X	2.645	1.5
68	MP2A	Z	1.527	2.5
69	MP2A	Mx	.001	2.5
70	MP2B	X	2.645	2.5
71	MP2B	Z	1.527	2.5
72	MP2B	Mx	.001	2.5 2.5
73	MP2C	X	2.645	
74	MP2C	Z	1.527	2.5 2.5
75	MP2C	Mx	001	2.5
76	MP2A	X	4.296	2.3
77	MP2A	Z	2.481	2
78	MP2A	Mx	002	2
79	MP2A	X	4.296	5
30	MP2A	Z	2.481	5
31	MP2A	Mx	002	5
32	MP2B	X	4.904	2
33	MP2B	Z	2.831	2
34	MP2B	Mx	0	2
35	MP2B	X	4.904	5
36	MP2B	Ž	2.831	5
37	MP2B	Mx	0	5
38	MP2C	X	4.296	2
39	MP2C	Z	2.481	2
90	MP2C	Mx	.002	2
91	MP2C	X	4.296	5
92	MP2C	Z	2.481	5
93	MP2C	Mx	.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
04]	MP5A	X	4.296	2
94	MP5A	Ž	2.481	2
95		Mx	002	2
96	MP5A	X	4.296	5
97	MP5A	7	2.481	5
98	MP5A	Mx	002	5
99	MP5A	X	4.904	2
100	MP5B	Z	2.831	2
101	MP5B	Mx	0	2
102	MP5B	X	4.904	5
103	MP5B	7	2.831	5
104	MP5B	Mx	0	5
105	MP5B	X	4.296	2
106	MP5C	Ž	2.481	2
107	MP5C		.002	2
108	MP5C	Mx	4.296	5
109	MP5C	X	2.481	5
110	MP5C	Z	.002	5
111	MP5C	Mx		.5
112	MP3A	X	1.079 .623	.5
113	MP3A	Z		.5
114	MP3A	Mx	.00054	.5
115	MP3B	X	1.079	.5
116	MP3B	Z	.623	.5
117	MP3B	Mx	.00054	.5

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

	Point Loads (BLC 32 : Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP3A	X	1.828	2.5
1	MP3A	Z	3.165	2.5
2	MP3A	Mx	.000914	2.5
3	MP3B	X	1.229	2.5
4		Z	2.129	2.5
5	MP3B	Mx	.001	2.5
6	MP3B	X	1,229	2.5
7	MP3C MP3C	Z	2.129	2.5
8		Mx	001	2.5
9	MP3C	X	2.898	11
10	MP3A	Z	5.02	1
11	MP3A	Mx	.002	1
12	MP3A	X	2.898	6
13	MP3A	Z	5.02	6
14	MP3A	Mx	.002	6
15	MP3A	X	2.315	1
16	MP3B	Z	4.009	4
17	MP3B		002	1
18	MP3B	Mx X	2.315	6
19	MP3B	Ž	4.009	6
20	MP3B		002	6
21	MP3B	Mx	2.315	Ĭ
22	MP3C	X	4.009	
23	MP3C	Z	.002	1
24	MP3C	Mx	2.315	6
25	MP3C	X		6
26	MP3C	Z	4.009	- 6
27	MP3C	Mx	.002	1
28	MP3A	X	2.898	1
29	MP3A	Z	5.02	



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP3A	Mx	005	1
31	MP3A	X	2.898	6
32	MP3A	Z	5.02	6
33	MP3A	Mx	005	6
34	MP3B	X	2.509	1
35	MP3B	Z	4.346	1
36	MP3B	Mx	000291	1
37	MP3B	X	2.509	6
38	MP3B	Z	4.346	6
39	MP3B	Mx	000291	6
40	MP3C	X	2.315	1
41	MP3C	Z	4.009	
42	MP3C	Mx		
43	MP3C	X	.002	1
44	MP3C		2.315	6
45	MP3C	Z	4.009	6
46	MP4A	Mx	.002	6
47		X	2.143	2.5
48	MP4A	Z	3.712	2.5
	MP4A	Mx	001	2.5
49	MP4A	X	2.143	4.5
50	MP4A	Z	3.712	4.5
51	MP4A	Mx	001	4.5
52	MP4B	X	.883	2.5
53	MP4B	Z	1.529	2.5
54	MP4B	Mx	000883	2.5
55	MP4B	X	.883	4.5
56	MP4B	Z	1.529	4.5
57	MP4B	Mx	000883	4.5
58	MP4C	X	.883	2.5
59	MP4C	Ž	1.529	2.5
60	MP4C	Mx	.000883	2.5
61	MP4C	X	.883	4.5
62	MP4C	Z	1.529	4.5
63	MP4C	Mx	.000883	4.5
64	M74A	X		
65	M74A	Z	3.897 6.75	1.5
66	M74A	Mx		1.5
67	MP2A		0	1.5
68	MP2A	X	1.86	2.5
69	MP2A MP2A		3.222	2.5
70		Mx	.00093	2.5
71	MP2B	X	1.36	2.5
72	MP2B	Z	2.356	2.5
	MP2B	Mx	.001	2.5
73	MP2C	X	1.36	2.5
74	MP2C	Z	2.356	2.5
75	MP2C	Mx	001	2.5
76	MP2A	X	2.714	2
77	MP2A	Z	4.701	2
78	MP2A	Mx	001	2
79	MP2A	X	2.714	5
30	MP2A	Z	4.701	5
31	MP2A	Mx	001	5
32	MP2B	X	2.714	2
33	MP2B	Z	4.701	2
34	MP2B	Mx	001	2
35	MP2B	X	2.714	5
36	MP2B	Ž	4.701	5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
87	MP2B	Mx	-,001	5
88	MP2C	X	2.364	2
	MP2C	Z	4.094	2
89	MP2C	Mx	.002	2
90	MP2C	X	2.364	5
91	MP2C	Z	4.094	5
92	MP2C	Mx	.002	5
93	MP5A	X	2.714	2
94	MP5A	7	4.701	2
95	MP5A	Mx	001	2
96	MP5A	X	2.714	5
97	MP5A	Ž	4.701	5
98	MP5A	Mx	001	5
99		X	2.714	2
100	MP5B	Ž	4.701	2
101	MP5B	Mx	001	2
102	MP5B	X	2.714	5
103	MP5B	Z	4.701	5
104	MP5B	Mx	001	5
105	MP5B	X	2.364	2
106	MP5C	Z	4.094	2
107	MP5C	Mx	.002	2
108	MP5C	X	2.364	5
109	MP5C	Z	4.094	5
110	MP5C	Mx	.002	5
111	MP5C	X	1.045	.5
112	MP3A	Z	1.809	.5
113	MP3A	Mx	.000522	.5
114	MP3A	X	.412	.5
115	MP3B	Z	.714	.5
116	MP3B	Mx	.000412	,5
117	MP3B	IVIX	1 .000+12	

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
	MP3A	X	0	2.5
1		7	4.054	2.5
2	MP3A	Mx	0	2.5
3	MP3A	X	0	2.5
4	MP3B	7	2.857	2.5
5	MP3B		.001	2.5
6	MP3B	Mx X	0	2.5
7	MP3C	7	2.857	2.5
8	MP3C		001	2.5
9	MP3C	Mx	001	1
10	MP3A	X		1
11	MP3A	Z	6.186	
12	MP3A	Mx	.005	6
13	MP3A	X	0	6
14	MP3A	Z	6,186	
15	мрза	Mx	.005	6
16	MP3B	X	0	
17	MP3B	Z	5.019	
18	MP3B	Mx	000291	
19	MP3B	X	0	6
	MP3B	Z	5.019	6
20	MP3B	Mx	000291	6
22	MP3C	X	0	11

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP3C	Z	5.019	1
24	MP3C	Mx	.000291	1
25	MP3C	X	0	6
26	MP3C	Z	5.019	6
27	MP3C	Mx	.000291	6
28	MP3A	X	0	1
29	MP3A	Z	6.186	1
30	MP3A	Mx	005	1
31	MP3A	X	0	6
32	MP3A	Z	6.186	6
33	MP3A	Mx	005	6
34	MP3B	X	0	1
35	MP3B	Z	4.629	1
36	MP3B	Mx	002	
37	МР3В	X	0	6
38	MP3B	Z	4.629	6
39	MP3B	Mx	002	6
10	MP3C	X	0	
11	MP3C	Z	5.019	1
2	MP3C	Mx	.004	
3	MP3C	X	0	6
14	MP3C	Z	5.019	6
15	MP3C	Mx	.004	6
6	MP4A	X	0	2.5
17	MP4A	Z	5.126	2.5
.8	MP4A	Mx	0	2.5
19	MP4A	X	0	4.5
50	MP4A	Z	5.126	4.5
51	MP4A	Mx	0	4.5
52	MP4B	X	0	2.5
53	MP4B	Z	2.606	2.5
54	MP4B	Mx	001	2.5
55	MP4B	X	0	4.5
56	MP4B	Z	2.606	4.5
57	MP4B	Mx	001	4.5
8	MP4C	X	0	2.5
9	MP4C	Z	2.606	2.5
0	MP4C	Mx	.001	2.5
1	MP4C	X	0	4.5
2	MP4C	Z	2.606	4.5
3	MP4C	Mx	.001	4.5
4	M74A	X	0	1.5
5	M74A	Z	6.8	1.5
6	M74A	Mx	0	1.5
7	MP2A	X	0	2.5
8	MP2A	Z	4.054	2.5
9	MP2A	Mx	0	2.5
0	MP2B	X	0	2.5
1	MP2B	Z	3.054	2.5
2	MP2B	Mx	.001	2.5
3	MP2C	X	0	2.5
4	MP2C	Z	3.054	2.5
5	MP2C	Mx	001	2.5
6	MP2A	X	0	2.5
7	MP2A	Z	5.663	2
8	MP2A	Mx	0	2
9	MP2A	X	0	5

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

	Point Loads (BLC 33 :	Direction	Magnitude[lb,k-ft]	Location[ft,%]
00	Member Label MP2A	Z	5.663	5
80	MP2A MP2A	Mx	0	5
81	MP2B	X	0	2
82		Z	4.961	2
83	MP2B	Mx	002	2
84	MP2B	X	0	5
85	MP2B	Z	4.961	5
86	MP2B	Mx	002	5
87	MP2B	X	0	2
88	MP2C	Ž	4.961	2
89	MP2C	Mx	.002	2
90	MP2C	X	0	5
91	MP2C	Z	4.961	5
92	MP2C		.002	5
93	MP2C	Mx	0	2
94	MP5A	X	5.663	2
95	MP5A		0	2
96	MP5A	Mx	0	5
97	MP5A	X	5.663	5
98	MP5A	Z	0	5
99	MP5A	Mx	0	2
100	MP5B	X	4.961	2
101	MP5B	Z		2
102	MP5B	Mx	002	5
103	MP5B	X	0	5
104	MP5B	Z	4.961	5
105	MP5B	Mx	002	2
106	MP5C	X	0	2
107	MP5C	Z	4.961	2
108	MP5C	Mx	.002	5
109	MP5C	X	0	5
110	MP5C	Z	4.961	5
111	MP5C	Mx	.002	5
112	MP3A	X	0	.5
113	MP3A	Z	2.511	.5
114	MP3A	Mx	0	.5
115	MP3B	X	0	.5
116	MP3B	Z	1.246	.5
117	MP3B	Mx	.00054	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
	MP3A	X	-1.828	2.5
1 —		7	3.165	2.5
2	MP3A	Mx	000914	2.5
3	MP3A	X	-1.828	2.5
4	MP3B	7	3.165	2.5
5	MP3B	NAM	.000913	2.5
6	MP3B	Mx	-1.828	2.5
7	MP3C	<u> </u>		2.5
8	MP3C	Z	3.165	2.5
9	MP3C	Mx	000913	2.5
10	MP3A	X	-2.898	
11	MP3A	Z	5.02	
12	MP3A	Mx	.005	1
13	MP3A	X	-2.898	6
14	MP3A	Z	5.02	6
15	MP3A	Mx	.005	6

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

10	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP3B	X	-2.898	1
17	MP3B	Z	5.02	1
18	MP3B	Mx	.002	1
19	MP3B	X	-2.898	6
20	MP3B	Z	5.02	6
21	MP3B	Mx	.002	6
22	MP3C	X	-2.898	1
23	MP3C	Z	5.02	1
24	MP3C	Mx	002	1
25	MP3C	X	-2.898	6
26	MP3C	Z	5.02	6
27	MP3C	Mx	002	6
28	MP3A	X	-2.898	
29	MP3A	Z	5.02	1
30	MP3A	Mx	002	1
31	MP3A	X	-2.898	6
32	MP3A	Z	5.02	6
33	MP3A	Mx	002	6
34	MP3B	X	-2.509	i i
35	MP3B	Z	4.346	1
36	MP3B	Mx	004	1
37	MP3B	X	-2.509	6
38	MP3B	Z	4.346	6
39	MP3B	Mx	004	6
40	MP3C	X	-2.898	1
41	MP3C	Z	5.02	1
42	MP3C	Mx	.005	1
43	MP3C	X	-2.898	6
44	MP3C	Z	5.02	6
45	MP3C	Mx	.005	6
46	MP4A	X	-2.143	2.5
47	MP4A	Z	3.712	2.5
48	MP4A	Mx	.001	2.5
49	MP4A	X	-2.143	4.5
50	MP4A	Z	3.712	4.5
51	MP4A	Mx	.001	4.5
52	MP4B	X	-2.143	2.5
53	MP4B	Z	3.712	2.5
54	MP4B	Mx	001	2.5
55	MP4B	X	-2.143	4.5
56	MP4B	Z	3.712	4.5
57	MP4B	Mx	001	4.5
58	MP4C	X	-2.143	2.5
59	MP4C	Z	3.712	2.5
60	MP4C	Mx	.001	2.5
61	MP4C	X	-2.143	4.5
62	MP4C	Z	3.712	4.5
63	MP4C	Mx	.001	4.5
64	M74A	X	-3.152	1.5
65	M74A	Z	5.459	1.5
66	M74A	Mx	0	1.5
67	MP2A	X	-1.86	2.5
68	MP2A	Ž	3.222	2.5
69	MP2A	Mx	00093	2.5
70	MP2B	X	-1.86	2.5
71	MP2B	Z	3.222	2.5
72	MP2B	Mx	.00093	2.5



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

	ber Label	Antenna Wm (210 L	Magnitude[lb,k-ft]	Location[ft,%]
	IP2C	X	-1.86	2.5
	IP2C	Z	3.222	2.5
	IP2C	Mx	00093	2,5
	1P2A	X	-2.714	2
77 N	1P2A	Z	4.701	2
	1P2A	Mx	.001	22
	1P2A	X	-2.714	5
	IP2A	Z	4.701	5
B1 N	IP2A	Mx	.001	5
	MP2B	X	-2.364	2 2
	IP2B	Z	4.094	2
	MP2B	Mx	002	
	MP2B	X	-2.364	5
86 N	/P2B	Z	4.094	
	MP2B	Mx	002	5 2
	MP2C	X	-2.714	2
	1P2C	Z	4.701	2
90 N	IP2C	Mx	.001	5
91 N	1P2C	X	-2.714	5
92 N	MP2C	Z	4.701	5
93 N	IP2C	Mx	.001	2
94 N	/IP5A	X	-2.714	2
95 N	/IP5A	Z	4.701	2
	/IP5A	Mx	.001	5
	/IP5A	X	-2.714	5
98 N	MP5A	Z	4.701	5
99 N	лР5A	Mx	.001	2
100	MP5B	X	-2.364	2
101 N	MP5B	Z	4.094	2
102 N	MP5B	Mx	002 -2.364	5
103 N	MP5B	X	4.094	5
104	MP5B	Z	002	5
105 N	иР5B	Mx	-2.714	2
06 N	MP5C	X	4.701	2
107 N	MP5C	Z	.001	2
108 N	MP5C	Mx	-2.714	5
109 N	MP5C	X	4.701	5
110 N	MP5C	Z	.001	5
	MP5C	Mx	-1.045	.5
	MP3A	X	1.809	.5
113	MP3A	Z	000522	.5
114	MP3A	Mx	-1.045	.5
	MP3B	X	1.809	.5
	MP3B		.000522	.5
117	MP3B	Mx	.000322	

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

	Point Loads (BLC 33.	Direction	Magnitude[lb,k-ft]	Location[ft,%]
	Member Label	V	-2.475	2.5
1	MP3A		1,429	2.5
	MP3A			
3	MP3A	Mx	001	2.5
4	MP3B	X	-3.511	2.5
4		7	2.027	2.5
5	MP3B	May	0	2.5
6	MP3B	Mx	2 511	2.5
7	MP3C	X	-3.511	
8	MP3C	Z	2.027	2.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP3C	Mx	0	2.5
10	MP3A	X	-4.346	1
11	MP3A	Z	2.509	1
12	MP3A	Mx	.004	1
13	MP3A	X	-4.346	6
14	MP3A	Z	2.509	6
15	MP3A	Mx	.004	6
16	MP3B	X	-5.357	1
17	MP3B	Z	3.093	1
18	MP3B	Mx	.005	1
19	MP3B		-5.357	6
20	MP3B	X	3.093	6
21	MP3B	Mx	.005	6
22	MP3C	X	-5.357	1
23	MP3C	Z	3.093	1
24	MP3C	Mx	005	
25	MP3C	X	-5.357	1
26	MP3C	Z	3.093	6
27	MP3C	Mx	005	6
28	MP3A	X	005	6
29	MP3A	Z	-4.346	1
30	MP3A	Mx	2.509	
31	MP3A	X	.000291	1
32	MP3A		-4.346	6
33	MP3A	Z	2.509	6
34	MP3B	Mx	.000291	6
35	MP3B	X	-5.02	1
36	MP3B	Z	2.898	1
37	MP3B	Mx	005	1
38		X	-5.02	6
39	MP3B	Z	2.898	6
	MP3B	Mx	-,005	6
40	MP3C	X	-5.357	1
41	MP3C	Z	3.093	1
42	MP3C	Mx	.005	1
43	MP3C	X	-5.357	6
44	MP3C	Z	3.093	6
45	MP3C	Mx	.005	6
46	MP4A	X	-2.257	2.5
47	MP4A	Z	1.303	2.5
48	MP4A	Mx	.001	2.5
49	MP4A	X	-2.257	4.5
50	MP4A	Z	1.303	4.5
51	MP4A	Mx	.001	4.5
52	MP4B	X	-4.44	2.5
53	MP4B	Z	2.563	2.5
54	MP4B	Mx	0	2.5
55	MP4B	X	-4.44	4.5
6	MP4B	Z	2.563	4.5
57	MP4B	Mx	0	4.5
8	MP4C	X	-4.44	2.5
59	MP4C	Z	2.563	
30	MP4C	Mx	0	2.5
31	MP4C	X	-4.44	2.5
32	MP4C	Z		4.5
63	MP4C	Mx	2.563	4.5
34	M74A	X	0 -5.889	4.5
55	M74A	Ž		1.5
	11117/		3.4	1.5

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

	Member Label	Antenna Wm (240 L Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	M74A	Mx	0	1.5
67	MP2A	X	-2.645	2.5
68	MP2A	Z	1.527	2.5
69	MP2A	Mx	001	2.5
70	MP2B	X	-3.511	2.5
71	MP2B	Z	2.027	2.5
72	MP2B	Mx	0	2.5
	MP2C	X	-3.511	2.5
73	MP2C	Z	2.027	2.5
74	MP2C	Mx	0	2.5
75	MP2A	X	-4.296	2
76	MP2A	Z	2.481	2
77		Mx	.002	2
78	MP2A	X	-4.296	5
79	MP2A	Z	2.481	5
80	MP2A	Mx	.002	5
31	MP2A	X	-4.296	2
82	MP2B	Z	2.481	2
83	MP2B		002	2
84	MP2B	Mx	-4.296	5
85	MP2B	X	2.481	5
86	MP2B	Z	002	5
87	MP2B	Mx	-4.904	2
88	MP2C	X		2
89	MP2C	Z	2.831	2
90	MP2C	Mx		5
91	MP2C	X	-4.904	5
92	MP2C	Z	2.831	5
93	MP2C	Mx	0	2
94	MP5A	X	-4.296	
95	MP5A	Z	2,481	2
96	MP5A	Mx	.002	2
97	MP5A	X	-4.296	5
98	MP5A	Z	2.481	5
99	MP5A	Mx	.002	5
100	MP5B	X	-4.296	2
101	MP5B	Z	2.481	2
102	MP5B	Mx	002	2
103	MP5B	X	-4.296	5
104	MP5B	Z	2.481	5
105	MP5B	Mx	002	5
106	MP5C	X	-4.904	2
	MP5C	Z	2.831	2
107	MP5C	Mx	0	2
108	MP5C	X	-4.904	5
109	MP5C MP5C	Ž	2.831	5
110	MP5C MP5C	Mx	0	5
111		X	-1.079	.5
112	MP3A	Z	.623	.5
113	MP3A	Mx	00054	.5
114	MP3A	X	-2.174	.5
115	MP3B	Z	1.255	.5
116	MP3B		0	.5
117	MP3B	Mx	J	

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

Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
MP3A	X	-2.459	2.5
IVII O/ V			

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

2	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP3A MP3A	Z	0	2.5
4	MP3B	Mx	001	2.5
5	MP3B	X	-3.655	2.5
6	MP3B	Z	0	2.5
7	MP3C	Mx	000914	2.5
8	MP3C	X	-3.655	2.5
9	MP3C	Z	0	2.5
10	MP3A	Mx	.000914	2.5
11	MP3A	X	-4.629	1
12	MP3A	Z	0	11
13	MP3A	Mx	.002	1
14	MP3A	X	-4.629	6
15	MP3A	Z	0	6
16	MP3B	Mx	.002	6
17	MP3B	X	-5.797	
18	MP3B	Z	0	1
19	MP3B	Mx	.005	1
20	MP3B	X	-5.797	6
21	MP3B	Z	0	6
22	MP3C	Mx	.005	6
23		X	-5.797	1
24	MP3C	Z	0	1
25	MP3C	Mx	005	1
26	MP3C	X	-5.797	6
27	MP3C	Z	0	6
28	MP3C	Mx	005	6
29	MP3A	X	-4.629	1
30	MP3A	Z	0	1
31	MP3A	Mx	.002	1
32	MP3A	X	-4.629	6
	MP3A	Z	0	6
33	MP3A	Mx	.002	6
35	MP3B	X	-6.186	
36	MP3B	Z	0	11
37	MP3B	Mx	005	
38	MP3B MP3B	X	-6.186	6
39		Z	0	6
40	MP3B	Mx	005	6
41	MP3C MP3C	X	-5.797	1
42	MP3C MP3C	Z	0	1
43	MP3C	Mx	.002	1
44		X	-5.797	6
45	MP3C		0	6
46	MP3C	Mx	.002	6
40	MP4A	X	-1.765	2.5
48	MP4A	Z	0	2.5
48	MP4A	Mx	.000882	2.5
50	MP4A	X	-1.765	4.5
	MP4A	Z	0	4.5
51	MP4A	Mx	.000882	4.5
52	MP4B	X	-4.286	2.5
53	MP4B	Z	0	2.5
54	MP4B	Mx	.001	2.5
55	MP4B	X	-4.286	4.5
56	MP4B	Z	0	4.5
57	MP4B	Mx	.001	4.5
58	MP4C	X	-4.286	2.5

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

	Point Loads (BLC 36 : Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP4C	Z	0	2.5
30	MP4C	Mx	001	2.5
31	MP4C	X	-4.286	4.5
32	MP4C	Z	0	4.5
63	MP4C	Mx	001	4,5
64	M74A	X	-7.794	1.5
65	M74A	Z	0	1.5
	M74A	Mx	0	1.5
66	MP2A	X	-2.72	2.5
67		Ž	0	2.5
68	MP2A	Mx	001	2.5
69	MP2A	X	-3.721	2.5
70	MP2B	Ž	0	2.5
71	MP2B		00093	2.5
72	MP2B	Mx	-3.721	2.5
73	MP2C	X	0	2.5
74	MP2C	Z	.00093	2.5
75	MP2C	Mx	-4.727	2
76	MP2A	X		2
77	MP2A	Z	0	2
78	MP2A	Mx	.002	5
79	MP2A	X	-4.727	5
80	MP2A	Z	0	
81	MP2A	Mx	.002	5
82	MP2B	X	-5,429	2
83	MP2B	Z	0	2
84	MP2B	Mx	001	2
	MP2B	X	-5.429	5
85	MP2B	Z	0	5
86	MP2B	Mx	001	5
87		X	-5.429	2
88	MP2C	Ž	0	2
89	MP2C	Mx	001	2
90	MP2C	X	-5.429	5
91	MP2C	Ž	0	5
92	MP2C		001	5
93	MP2C	Mx	-4,727	2
94	MP5A	X	0	2
95	MP5A	Z	.002	2
96	MP5A	Mx		5
97	MP5A	X	-4.727	5
98	MP5A	Z	0	5
99	MP5A	Mx	.002	
100	MP5B	X	-5.429	2
101	MP5B	Z	0	2
102	MP5B	Mx	001	2
103	MP5B	X	-5.429	5
103	MP5B	Z	0	5
104	MP5B	Mx	001	5
105	MP5C	X	-5.429	2
106		Z	0	2
107	MP5C	Mx	001	2
108	MP5C	X	-5.429	5
109	MP5C	Ž	0	5
110	MP5C		001	5
111	MP5C	Mx	824	.5
112	MP3A	X	824	.5
113	MP3A	Z	000412	.5
114	MP3A	Mx		.5
115	MP3B	X	-2.089	r3d] Page



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

C	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
116	MP3B	Z	0	5
117	MP3B	Mx	000522	.5

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

1	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP3A	X	-2.475	2.5
	MP3A	Z	-1.429	2.5
3	MP3A	Mx	001	2.5
4	MP3B	X	-2.475	2.5
5	MP3B	Z	-1.429	2.5
6	MP3B	Mx	001	2.5
7	MP3C	X	-2.475	2.5
8	MP3C	Z	-1.429	2.5
9	MP3C	Mx	.001	2.5
10	MP3A	X	-4.346	1
11	MP3A	Z	-2.509	1
2	MP3A	Mx	.000291	
3	MP3A	X	-4.346	6
4	MP3A	Z	-2.509	6
5	MP3A	Mx	.000291	6
6	MP3B	X	-4.346	1
7	MP3B	Z	-2.509	
8	MP3B	Mx	.004	1
9	MP3B	X	-4.346	6
0	MP3B	Z	-2.509	6
1	MP3B	Mx	.004	6
2	MP3C	X	-4.346	1
3	MP3C	Z	-2.509	
4	MP3C	Mx	004	1
5	MP3C	X	-4.346	6
6	MP3C	Z	-2.509	6
7	MP3C	Mx	004	6
8	MP3A	X	-4.346	1
9	MP3A	Z	-2.509	1
0	MP3A	Mx	.004	1
1	MP3A	X	-4.346	6
2	MP3A	Z	-2.509	6
3	MP3A	Mx	.004	6
4	MP3B	X	-5.02	1
5	MP3B	Z	-2.898	
6	MP3B	Mx	002	1
7	MP3B	X	-5.02	
8	MP3B	Z	-2.898	6
9	MP3B	Mx	002	6
0	MP3C	X	-4.346	6
1	MP3C	Z	-2.509	1
2	MP3C	Mx		1
3	MP3C	X	000291	1
4	MP3C	Z	-4.346	6
5	MP3C	Mx	-2.509	6
3	MP4A	X	000291	6
7	MP4A	Z	-2.257	2.5
8	MP4A		-1.303	2.5
9	MP4A MP4A	Mx	.001	2.5
	MP4A	X	-2.257	4.5
1	MP4A MP4A	Z	-1.303	4.5
	IVIT 4/A	Mx	.001	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP4B	X	-2.257	2.5 2.5
3	MP4B	Z	-1.303	2.5
4	MP4B	Mx	.001	4.5
5	MP4B	X	-2.257	4.5
6	MP4B	Z	-1.303	4.5
57	MP4B	Mx	.001	2.5
58	MP4C	X	-2.257	2.5
59	MP4C	Z	-1.303	2.5
60	MP4C	Mx	001	4.5
31	MP4C	X	-2.257	4.5
62	MP4C	Z	-1.303 001	4.5
63	MP4C	Mx	-7.18	1.5
64	M74A	X		1.5
65	M74A	Z	-4.146	1.5
66	M74A	Mx	0	2.5
67	MP2A	X	-2.645 1.527	2.5
86	MP2A	Z	-1.527	2.5
39	MP2A	Mx	001 -2.645	2.5
70	MP2B	X	-2.645	2.5
71	MP2B	Z	-1.527	2.5
72	MP2B	Mx		2.5
73	MP2C	X	-2.645 -1.527	2.5
74	MP2C	Z		2.5
75	MP2C	Mx	.001 -4.296	2
76	MP2A	X	-2.481	2
77	MP2A	Z	.002	2
78	MP2A	Mx	-4.296	5
79	MP2A	X	-2.481	5
80	MP2A	Z	.002	5
81	MP2A	Mx	-4.904	2
82	MP2B	X	-2.831	2
83	MP2B	Z	-2.031	2
84	MP2B	Mx	-4.904	5
85	MP2B	X	-2.831	5
86	MP2B	Z	-2.631	5
87	MP2B	Mx	-4.296	2
88	MP2C	X	-2.481	2
89	MP2C	Z	002	2
90	MP2C	Mx	-4.296	5
91	MP2C	X	-2.481	5
92	MP2C		002	5
93	MP2C	Mx	-4.296	2
94	MP5A	X	-2.481	2
95	MP5A		.002	2
96	MP5A	Mx	-4.296	5
97	MP5A	X	-2.481	Š
98	MP5A		.002	5
99	MP5A	Mx	-4.904	2
100	MP5B	X	-2.831	2
101	MP5B	Z	-2.831	2
102	MP5B	Mx	-4.904	5
103	MP5B	X	-2.831	5
104	MP5B	Z	-2.831	5
105	MP5B	Mx	-4.296	2
106	MP5C	X	-2.481	2
107	MP5C	Z	002	2
108	MP5C	Mx	002	



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
109	MP5C	X	-4.296	5
110	MP5C	Z	-2.481	5
111	MP5C	Mx	002	5
112	MP3A	X	-1.079	.5
113	MP3A	Z	623	5
114	MP3A	Mx	00054	.5
115	MP3B	X	-1.079	.5
116	MP3B	Z	623	5
117	MP3B	Mx	00054	.5

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

1	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
	MP3A	X	-1.828	2.5
2	MP3A	Z	-3.165	2.5
3	MP3A	Mx	000914	2.5
4	MP3B	X	-1.229	2.5
5	MP3B	Z	-2.129	2.5
6	MP3B	Mx	001	2.5
7	MP3C	X	-1.229	2.5
8	MP3C	Z	-2.129	2.5
9	MP3C	Mx	.001	2.5
10	MP3A	X	-2.898	
11	MP3A	Z	-5.02	1
12	MP3A	Mx	002	1 100
13	MP3A	X	-2.898	6
14	MP3A	Z	-5.02	6
15	MP3A	Mx	002	6
16	MP3B	X	-2.315	1
17	MP3B	Z	-4.009	1
18	MP3B	Mx	.002	1
19	MP3B	X	-2.315	6
20	MP3B	Z	-4.009	6
21	MP3B	Mx	.002	6
22	MP3C	X	-2.315	1
23	MP3C	Z	-4.009	11
24	MP3C	Mx	002	
25	MP3C	X	-2.315	6
26	MP3C	Z	-4.009	6
27	MP3C	Mx	002	6
28	MP3A	X	-2.898	1
29	MP3A	Z	-5.02	1
30	MP3A	Mx	.005	1
31	MP3A	X	-2.898	6
32	MP3A	Z	-5.02	6
33	MP3A	Mx	.005	6
34	MP3B	X	-2.509	1
35	MP3B	Z	-4.346	1
36	MP3B	Mx	.000291	1
37	MP3B	X	-2.509	6
38	MP3B	Z	-4.346	6
39	MP3B	Mx	.000291	6
40	MP3C	X	-2.315	1
41	MP3C	Z	-4.009	1
42	MP3C	Mx	002	1
43	MP3C	X	-2.315	6
44	MP3C	Z	-4.009	6

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

	Member Label	Antenna Wm (330 D	Magnitude[lb,k-ft]	Location[ft,%]
5	MP3C	Mx	002	66
6	MP4A	X	-2.143	2.5
7	MP4A	Z	-3.712	2.5
8	MP4A	Mx	.001	2.5 4.5
9	MP4A	X	-2.143	4.5
0	MP4A	Z	-3.712	4.5
1	MP4A	Mx	.001	2.5
2	MP4B	X	883	2.5
3	MP4B	Z	-1.529	2.5
4	MP4B	Mx	.000883 883	4.5
5	MP4B	X	-1.529	4.5
6	MP4B		.000883	4.5
7	MP4B	Mx	883	2.5
8	MP4C	X 7	-1.529	2.5
9	MP4C		000883	2.5
0	MP4C	Mx	883	4.5
1	MP4C	X	-1.529	4.5
2	MP4C	Mx	000883	4.5
3	MP4C	X	-3.897	1.5
4	M74A	Ž	-6.75	1.5
5	M74A	Mx	0	1.5
6	M74A	X	-1.86	2.5
7	MP2A	Z	-3.222	2.5
8	MP2A	Mx	00093	2.5
9	MP2A	X	-1.36	2.5
0	MP2B MP2B	Ž	-2.356	2.5
1		Mx	001	2.5
2	MP2B MP2C	X	-1.36	2.5
73	MP2C MP2C	Z	-2.356	2.5
74	MP2C MP2C	Mx	.001	2.5
75	MP2A	X	-2.714	2
76	MP2A	Z	-4.701	2
78	MP2A	Mx	.001	2
79	MP2A	X	-2.714	5
30	MP2A	Z	-4.701	5
31	MP2A	Mx	.001	5
32	MP2B	X	-2.714	2
33	MP2B	Z	-4.701	2
34	MP2B	Mx	.001	2
35	MP2B	X	-2.714	5
36	MP2B	Z	-4.701	5
37	MP2B	Mx	.001	5
38	MP2C	X	-2.364	2
39	MP2C	Z	-4.094	
90	MP2C	Mx	002	2 5
91	MP2C	X	-2.364	5
92	MP2C	Z	-4.094	5
93	MP2C	Mx	002	2
94	MP5A	X	-2.714	2
95	MP5A	Z	-4.701	2
96	MP5A	Mx	.001	5
97	MP5A	X	-2.714	5
98	MP5A	Z	-4.701 .001	5
99	MP5A	Mx	-2.714	2
00	MP5B	X	-2.714 -4.701	2
101	MP5B	Z	-4./01	

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
102	MP5B	Mx	.001	2
103	MP5B	X	-2.714	5
104	MP5B	Z	-4.701	5
105	MP5B	Mx	.001	5
106	MP5C	X	-2.364	2
107	MP5C	Z	-4.094	2
108	MP5C	Mx	002	2
109	MP5C	X	-2.364	5
110	MP5C	Z	-4.094	5
111	MP5C	Mx	002	5
112	MP3A	X	-1.045	.5
113	MP3A	Z	-1.809	.5
114	MP3A	Mx	000522	.5
115	MP3B	X	412	.5
116	MP3B	Z	714	.5
117	MP3B	Mx	000412	.5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb.k-ft]	Location(ft %)
1	LM1	Y	-500	%100

Member Point Loads (BLC 78 : Lm2)

Member Label	Direction	Magnitude[lb.k-ft]	Location[ft %]
LM2	Y	-500	%100

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

 Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
LV	Y	-250	0

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-2.849	2.5
2	MP3A	My	.001	2.5
3	MP3A	Mz	0	2.5
4	MP3B	Y	-2.849	2.5
5	MP3B	Mv	.000712	2.5
6	MP3B	Mz	.001	2.5
7	MP3C	Y	-2.849	2.5
8	MP3C	Mv	000712	2.5
9	MP3C	Mz	001	2.5
10	MP3A	Y	932	1
11	MP3A	Mv	000466	1
12	MP3A	Mz	.000699	1
13	MP3A	Y	932	6
14	MP3A	My	000466	6
15	MP3A	Mz	.000699	6
16	MP3B	Y	932	1
17	MP3B	Mv	000839	1
18	MP3B	Mz	-5.4e-5	
19	MP3B	Y	932	6

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

	ds (BLC 81 : A	Direction	Magnitude[lb,k-ft]	Location[ft,%]
	P3B	Mv	000839	6
	P3B	Mz	-5.4e-5	6
	P3C	Y	932	1
	P3C	My	.000839	1
	P3C	Mz	5.4e-5	1
	P3C	Y	932	6
	P3C	My	.000839	6
	P3C	Mz	5.4e-5	6
	P3A	Y	932	1
	P3A	My	000466	11
	P3A	Mz	000699	11
	P3A	Y	932	6
	P3A	My	000466	6
	P3A	Mz	000699	6
	P3B	Y	932	
	P3B	My	.000699	1
	P3B	Mz	000466	1
	P3B	Y	932	6
	P3B	My	.000699	6
	P3B	Mz	000466	- 6
	P3C	Y	932	1
	P3C	My	000372	11
	P3C	Mz	.000753	1
	P3C	Y	932	6
	P3C	My	000372	6
	P3C	Mz	.000753	6
	P4A	Y	-1.765	2.5
	P4A	My	000883	2.5
	P4A	Mz	0	2.5
	P4A	Υ	-1.765	4.5
	P4A	My	000883	4.5
	P4A	Mz	0	4.5
	P4B	Υ	-1.765	2.5
	P4B	My	000441	2.5
	P4B	Mz	000764	2.5
	P4B	Y	-1.765	4.5
	P4B	My	000441	4.5
	P4B	Mz	000764	4.5
	P4C	Υ	-1.765	2.5
	P4C	Μγ	.000441	2.5
	P4C	Mz	.000764	2.5
00	P4C	Υ	-1.765	4.5
	P4C	My	.000441	4.5
	P4C	Mz	.000764	4.5
	174A	Υ	-1.297	1.5
	174A	My	0	1.5 1.5
	174A	Mz	0	
	IP2A	Y	-3.028	2.5
	IP2A	My	.002	2.5
	IP2A	Mz	0	2.5
	IP2B	Y	-3.028	2.5
	IP2B	My	.000757	2.5
	IP2B	Mz	.001	2.5
	P2C	Υ	-3.028	2.5
	P2C	My	000757	2.5
	IP2C	Mz	001	2.5
	IP2A	Y	243	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP2A	My	000122	2
78	MP2A	Mz	0	2
79	MP2A	Y	243	5
80	MP2A	My	000122	5
81	MP2A	Mz	0	5
82	MP2B	Y	243	2
83	MP2B	My	6.1e-5	2
84	MP2B	Mz	000105	2
85	MP2B	Y	243	5
86	MP2B	Mv	6.1e-5	5
87	MP2B	Mz	000105	5
88	MP2C	Y	243	2
89	MP2C	Mv	6.1e-5	2
90	MP2C	Mz	.000105	2
91	MP2C	Y	243	5
92	MP2C	Mv	6.1e-5	5
93	MP2C	Mz	.000105	5
94	MP5A	Y	243	2
95	MP5A	My	000122	2
96	MP5A	Mz	0	2
97	MP5A	Y	243	5
98	MP5A	My	000122	5
99	MP5A	Mz	0	5
100	MP5B	Y	243	2
101	MP5B	Mv	6.1e-5	2
102	MP5B	Mz	000105	2
103	MP5B	Y	243	5
104	MP5B	My	6.1e-5	5
105	MP5B	Mz	000105	5
106	MP5C	Y	243	2
107	MP5C	My	6.1e-5	2
108	MP5C	Mz	.000105	2
109	MP5C	Y	243	5
110	MP5C	Mv	6.1e-5	5
111	MP5C	Mz	.000105	5
112	MP3A	Y	713	.5
113	MP3A	Mv	.000357	5 5
114	MP3A	Mz	0	.5
115	MP3B	Y	713	.5 .5
16	MP3B	My	.000178	.5
17	MP3B	Mz	.000309	.5 .5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Z	-7.124	2.5
2	MP3A	Mx	0	2.5
3	MP3B	Z	-7.124	2.5
4	MP3B	Mix	003	2.5
5	MP3C	Z	-7.124	2.5
6	MP3C	Mx	.003	2.5
7	MP3A	Z	-2.331	1
8	MP3A	Mx	002	1
9	MP3A	7	-2.331	6
10	MP3A	Mx	002	6
11	MP3B	7	-2.331	1
12	MP3B	Mx	.000135	

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

	Point Loads (BLC 82 : Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP3B	Z	-2.331	6
4	MP3B	Mx	.000135	1
5	MP3C	Z	-2.331	1
6	MP3C	Mx	000135	6
7	MP3C	Z	-2.331	6
8	MP3C	Mx	000135 -2.331	1
9	MP3A	Z	.002	1
20	MP3A	Mx	-2.331	6
21	MP3A	Z	.002	6
22	MP3A	Mx		1
23	MP3B	Z	-2.331 .001	1
24	MP3B	Mx	-2.331	6
25	MP3B	Z	.001	6
26	MP3B	Mx	-2.331	1
27	MP3C	Z	-2.331	1
28	MP3C	Mx	-2.331	6
29	MP3C	Z	002	6
30	MP3C	Mx	002 -4.413	2.5
31	MP4A	Z	-4.413	2.5
32	MP4A	Mx	-4.413	4.5
33	MP4A	Z	-4.413	4.5
34	MP4A	Mx	-4.413	2.5
35	MP4B	Z	.002	2.5
36	MP4B	Mx	-4.413	4.5
37	MP4B	Z	.002	4.5
38	MP4B	Mx	-4.413	2.5
39	MP4C	Z	-4.413	2.5
40	MP4C	Mx	-4.413	4.5
41	MP4C	Z	002	4.5
42	MP4C	Mx	-3.243	1.5
43	M74A	Z	0	1.5
44	M74A	Mx	-7.57	2.5
45	MP2A	Z	0	2.5
46	MP2A	Mx	-7.57	2.5
47	MP2B	Z	003	2.5
48	MP2B	Mx	-7.57	2.5
49	MP2C	Z	.003	2.5
50	MP2C	Mx	608	2
51	MP2A	Z	0	2
52	MP2A	Mx	608	5
53	MP2A	Z	0	5
54	MP2A	Mx	608	2
55	MP2B	Z	.000263	2
56	MP2B	Mx	608	5
57	MP2B	Z	.000263	5
58	MP2B	Mx	608	2
59	MP2C	Z	000263	2
60	MP2C	Mx	00265	5
61	MP2C	Z	000263	5
62	MP2C	Mx	608	2
63	MP5A	Z	606	2
64	MP5A	Mx	608	5
65	MP5A	Z	608	5
66	MP5A	Mx		2
67	MP5B	Z	608 .000263	2
68	MP5B	Mx	608	5
69	MP5B		000	



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP5B	Mx	.000263	5
71	MP5C	Z	608	2
72	MP5C	Mx	000263	2
73	MP5C	Z	608	5
74 75	MP5C	Mx	000263	5
	MP3A	Z	-1.783	5
76	MP3A	Mx	0	.5
77	MP3B	7	-1.783	.5
78	MP3B	Mx	000772	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	7.124	2.5
2	MP3A	Mx	.004	2.5
3	MP3B	X	7.124	2.5
4	MP3B	Mx	.002	2.5
5	MP3C	X	7.124	2.5
6	MP3C	Mx	002	2.5
7	MP3A	X	2.331	1
8	MP3A	Mx	001	
9	MP3A	X	2.331	6
10	MP3A	Mx	001	6
11	MP3B	X	2.331	1
12	MP3B	Mx	002	1
13	MP3B	X	2.331	6
14	MP3B	Mx	002	6
15	MP3C	X	2.331	1
16	MP3C	Mx	.002	1
17	MP3C	X	2.331	6
18	MP3C	Mx	.002	6
19	MP3A	X	2.331	1
20	MP3A	Mx	001	
21	MP3A	X	2.331	6
22	MP3A	Mx	001	6
23	MP3B	X	2.331	1
24	MP3B	Mx	.002	
25	MP3B	X	2.331	6
26	MP3B	Mx	.002	6
27	MP3C	X	2.331	1
28	MP3C	Mx	000931	
29	MP3C	X	2.331	6
30	MP3C	Mx	000931	6
31	MP4A	X	4.413	2.5
32	MP4A	Mx	002	2.5
33	MP4A	X	4.413	4.5
34	MP4A	Mx	002	4.5
35	MP4B	X	4.413	2.5
36	MP4B	Mx	001	2.5
37	MP4B	X	4.413	4.5
38	MP4B	Mx	001	4.5
39	MP4C	X	4.413	2.5
40	MP4C	Mx	.001	2.5
41	MP4C	X	4.413	4.5
42	MP4C	Mx	.001	4.5
43	M74A	X	3.243	1.5
44	M74A	Mx	0	1.5



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

i ciii k	Point Loads (BLC 83 :	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	Member Label	X	7.57	2.5
45	MP2A	Mx	.004	2.5
46	MP2A	X	7.57	2.5
47	MP2B	Mx	.002	2.5
48	MP2B	X	7.57	2.5
49	MP2C	Mx	002	2.5
50	MP2C	X	.608	2
51	MP2A	Mx	000304	2
52	MP2A	X	.608	5
53	MP2A	Mx	000304	5
54	MP2A	X	.608	2
55	MP2B		.000152	2
56	MP2B	Mx	.608	5
57	MP2B	X	.000152	5
58	MP2B	Mx	.608	2
59	MP2C	X	.000152	2
60	MP2C	Mx	.608	5
61	MP2C	X	.000152	5
62	MP2C	Mx	.608	2
63	MP5A	X		2
64	MP5A	Mx	000304	5
65	MP5A	X	.608	5
66	MP5A	Mx	000304	2
67	MP5B	X	.608	2
68	MP5B	Mx	.000152	5
69	MP5B	X	.608	5
70	MP5B	Mx	.000152	2
71	MP5C	X	.608	
72	MP5C	Mx	.000152	2
73	MP5C	X	.608	5
74	MP5C	Mx	.000152	5
75	MP3A	X	1.783	.5
76	MP3A	Mx	.000892	.5
77	MP3B	X	1.783	.5
78	MP3B	Mx	.000446	.5

Member Distributed Loads (BLC 40 : Structure Di)

101110	er Distributea Lo		Start Magnitude(lb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft.%]
	Member Label	Direction	-7.666	-7.666	0	%100
1	M40	- I	-7.666	-7.666	0	%100
2	M41	Y		-7.666	0	%100
3	M42	Y	-7.666	-7.666	0	%100
4	M43	Υ	-7.666		0	%100
5	M37A	Y	-6.612	-6.612	0	%100
6	M38A	Υ	-6.612	-6.612	0	%100 %100
7	M39A	Y	-6.612	-6.612	0	
6	MP5A	Y	-5.016	-5.016	0	%100
8	MP4A	Ÿ	-5.016	-5.016	0	%100
9		V	-5.016	-5.016	0	%100
10	MP3A	 	-5.016	-5.016	0	%100
11	MP2A	Y	-5.016	-5.016	0	%100
12	MP1A			-5.016	0	%100
13	MP5C	Y	-5.016		Ŏ	%100
14	MP4C	Y	-5.016	-5.016	0	%100
15	MP3C	Y	-5.016	-5.016	0	%100
16	MP2C	Y	-5.016	-5.016		%100 %100
17	MP1C	Y	-5.016	-5.016	0	
18	MP5B	Y	-5.016	-5.016	0	%100

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

T 40 T	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	. Start Location[ft.%]	End Location[ft,%
19	MP4B	Y	-5.016	-5.016	0	%100
20	MP3B	Υ	-5.016	-5.016	0	%100
21	MP2B	Y	-5.016	-5.016	0	%100
22	MP1B	Y	-5.016	-5.016	0	%100
23	M61	Y	-7.666	-7.666	0	%100
24	M62	Υ	-6.663	-6.663	0	%100
25	M63	Y	-6.663	-6.663	0	%100 %100
26	M57	Y	-6.663	-6.663	Ö	%100
27	M58	Y	-6.663	-6.663	0	%100
28	M59	Υ	-6.663	-6.663	0	%100 %100
29	M60	Υ	-6.663	-6.663	Ö	%100 %100
30	M61A	Υ	-5.66	-5.66	ŏ	%100 %100
31	M63A	Υ	-5.66	-5.66	Ö	%100 %100
32	M72A	Y	-10.225	-10.225	Ŏ	%100 %100
33	M71A	Υ	-10.225	-10.225	0	%100 %100
34	M72B	Y	-10.225	-10.225	0	%100 %100
35	M74A	Y	-5.016	-5.016	0	%100 %100
36	M69	Υ	-5.66	-5.66	0	%100 %100
37	M71	Υ	-5.66	-5.66	0	%100 %100
38	M75A	Υ	-5.66	-5.66	0	%100 %100
39	M77A	Y	-5.66	-5.66	0	%100 %100
40	M79A	Y	-7.666	-7.666	0	%100 %100
41	M80B	Y	-7.666	-7.666	0	%100 %100
42	M81	Υ	-6.612	-6.612	0	%100 %100
43	M82	Υ	-6.612	-6.612	0	%100 %100
44	M83	Υ	-6.612	-6.612	0	%100 %100
45	M84	Υ	-6.612	-6.612	0	%100 %100
46	M85	Y	-6.612	-6.612	0	%100 %100
47	M86	Υ	-6.612	-6.612	0	%100 %100
48	LV	Y	-5.726	-5.726	0	%100 %100
49	M96	Y	-5.726	-5.726	0	%100 %100
50	M102	Y	-5.726	-5.726	0	%100 %100
51	M109	Y	-7.666	-7.666	0	%100 %100
52	M110	Υ	-7.666	-7.666	0	
53	M111	Y	-7.666	-7.666	0	%100
54	M112	Ý	-6.663	-6.663	0	%100
55	M113	Ý	-6.663	-6.663	0	%100
56	M114	Ÿ	-6.663	-6.663		%100
57	M115	Ý	-6.663		0	%100
58	M116	Y	-6.663	-6.663	0	%100
59	M117	Y	-6.663	-6.663	0	%100
	,.1			-6.663	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	M40	X	0	0	0	%100
2	M40	Z	0	0	0	%100 %100
3	M41	X	0	0	0	
4	M41	Z	-9.172	-9.172	0	%100 %100
5	M42	X	0	0.172	0	%100 %100
6	M42	Z	-9.172	-9.172	0	%100 %100
7	M43	X	0	0.172	0	%100 %100
8	M43	Z	0	0	0	%100
9	M37A	X	0	0	n	%100 %100
10	M37A	Z	-11.802	-11.802	n	%100 %100
11	M38A	X	0	0	0	%100 %100
12	M38A	Z	-2.951	-2.951	0	%100 %100

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

	.End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft.% %100
0	0	0	%100 %100
-2.951	-2.951		%100
0	0	0	%100
-9.939	-9.939	0	
0	0	0	%100 %100
-9.939	-9.939	0	%100
0	.0	0	%100_
-9.939	-9.939	0	%100
0	0	0	%100
-9.939	-9.939	0	%100
0	0	0	%100
-9.939	-9.939	0	%100
0	0	0	%100
-9.939	-9.939	0	%100
0	0	0	%100
-9.939	-9.939	0	%100
0	0	0	%100
-9.939	-9.939	0	%100
0	0	0	%100
-9.939	-9.939	0	%100
0	0.000	0	%100
-9.939	-9.939	0	%100
-9.939	0	0	%100
-9.939	-9.939	0	%100
-9.939	0	0	%100
-9.939	-9.939	Ö	%100
	-9.939	0	%100
0	-9.939	0	%100
-9.939	-9,939	0	%100
0	-9.939	Ö	%100
-9.939	-9.939	0	%100
0	-9.939	0	%100
-9.939		0	%100
0	0	0	%100
-9.172	-9.172	0	%100
0	0		%100
0	0	0	%100
0	0	0	%100
-10.63	-10.63	0	
0	0	0	%100 %100
-10.63	-10.63	0	%100 %100
0	0	0	%100
-10.63	-10.63	0	%100
0	0	0	%100
-10.63	-10.63	0	%100
0	0	0	%100
0	0	0	%100
0	0	0	%100
0	0	0	%100
0	0	0	%100
0	0	0	%100
0	0	0	%100
-3.158	-3.158	0	%100
0	0	0	%100
789	789	0	%100
0	0	0	%100
789	789	0	%100
			%100
	0	0 0	-,700



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	M74A	Z	-9.057	-9.057	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	-7.411	-7.411	0	%100
73	M71	X	0	0	0	%100
74	M71	Z	-7.411	-7.411	0	%100
75	M75A	X	0	0	0	%100
76	M75A	Z	-7.411	-7.411	0	%100
77	M77A	X	0	0	0	%100
78	M77A	Z	-7.411	-7.411	0	%100
79	M79A	X	0	0	0	%100
80	M79A	Z	-8.893	-8.893	0	%100
81	M80B	X	0	0	0	%100
82	M80B	Z	-8.893	-8.893	0	%100
83	M81	X	0	0	0	%100
84	M81	Z	-11.802	-11.802	0	%100
85	M82	X	0	0	0	%100
86	M82	Z	-11.802	-11.802	0	%100
87	M83	X	0	0	0	%100
88	M83	Z	-2.951	-2.951	0	%100
89	M84	X	0	0	0	%100
90	M84	Z	-2.951	-2.951	0	%100
91	M85	X	0	0	0	%100
92	M85	Z	-2.951	-2.951	0	%100
93	M86	X	0	0	0	%100
94	M86	Z	-2.951	-2.951	0	%100
95	LV	X	0	0	Ö	%100 %100
96	LV	Z	-12.031	-12.031	Ö	%100
97	M96	X	0	0	0	%100
98	M96	Z	-3.008	-3.008	Ö	%100
99	M102	X	0	0	0	%100
100	M102	Z	-3.008	-3.008	Ö	%100
101	M109	X	0	0	0	%100
102	M109	Z	-3.971	-3.971	0	%100
103	M110	X	0	0	Ö	%100 %100
104	M110	Z	-3.971	-3.971	ő	%100
105	M111	X	0	0	Ŏ	%100 %100
106	M111	Z	-15.883	-15.883	0	%100 %100
107	M112	X	0	0	0	%100 %100
108	M112	Z	-10.092	-10.092	Ö	%100 %100
109	M113	X	0	0	0	%100 %100
110	M113	Z	-10.092	-10.092	0	%100 %100
111	M114	X	0	0	0	%100 %100
112	M114	Z	-14.816	-14.816	0	%100 %100
113	M115	X	0	0	0	%100 %100
114	M115	Z	-1.748	-1.748	0	%100 %100
115	M116	X	0	0	0	%100 %100
116	M116	Z	-1.748	-1.748	0	%100 %100
117	M117	X	0	0	0	%100 %100
118	M117	Ž	-14.816	-14.816	0	%100 %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	M40	X	1.529	1.529	0	%100
2	M40	Z	-2.648	-2.648	0	%100
3	M41	X	1.529	1.529	0	%100
4	M41	Z	-2.648	-2.648	0	%100



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

- 1	Member Label	Direction X	6.115	End Magnitude[lb/ft,F 5 6.115	0	%100
<u> </u>	M42	Ž	-10.591	-10.591	0	%100
3	M42	X	1.482	1.482	0	%100
7	M43 M43	Z	-2.567	-2.567	0	%100
8	M37A	X	4.426	4.426	0	%100
9	M37A	Ž	-7.666	-7.666	0	%100
10	M38A	X	4.426	4.426	0	%100
11	M38A	Z	-7.666	-7.666	0	%100
12	M39A	X	0	0	0	%100
13	M39A	Z	0	0	0	%100
14 15	MP5A	X	4,969	4.969	0	%100
16	MP5A	Z	-8.607	-8.607	0	%100
17	MP4A	X	4.969	4.969	0	%100
18	MP4A	Z	-8.607	-8.607	0	%100
19	MP3A	X	4.969	4.969	0	%100
20	MP3A	Z	-8.607	-8.607	0	%100
21	MP2A	X	4.969	4.969	0	%100
22	MP2A	Z	-8.607	-8.607	0	%100
23	MP1A	X	4.969	4.969	0	%100
24	MP1A	Z	-8.607	-8.607	0	%100
25	MP5C	X	4.969	4.969	0	%100
26	MP5C	Z	-8.607	-8.607	0	%100
27	MP4C	X	4.969	4.969	0	%100
28	MP4C	Z	-8.607	-8.607	0	%100
29	MP3C	X	4.969	4.969	0	%100
30	MP3C	Z	-8.607	-8.607	0	%100
31	MP2C	X	4.969	4.969	0	%100_
32	MP2C	Z	-8.607	-8.607	0	%100
33	MP1C	X	4.969	4.969	0	%100
34	MP1C	Z	-8,607	-8.607	0	%100
35	MP5B	X	4.969	4.969	0	%100
36	MP5B	Z	-8.607	-8.607	0	%100
37	MP4B	X	4.969	4,969	0	%100
38	MP4B	Z	-8.607	-8.607	0	%100
39	MP3B	X	4.969	4,969	0	%100 %100
40	MP3B	Z	-8.607	-8.607	0	%100 %100
41	MP2B	X	4.969	4.969	0	%100 %100
42	MP2B	Z	-8.607	-8.607	0	%100 %100
43	MP1B	X	4.969	4.969	0	%100 %100
44	MP1B	Z	-8.607	-8.607	0	%100 %100
45	M61	X	6.115	6.115	0	%100
46	M61	Z	-10.591	-10.591	0	%100 %100
47	M62	X	1.772	1.772	0	%100
48	M62	Z	-3.069	-3.069	0	%100 %100
49	M63	X	1.772	1.772	0	%100 %100
50	M63	Z	-3.069	-3.069	0	%100 %100
51	M57	X	1.772	1.772	0	%100
52	M57	Z	-3.069	-3.069	0	%100 %100
53	M58	X	7.087	7.087	0	%100
54	M58	Z	-12.275	-12.275	0	%100
55	M59	X	7.087	7.087	0	%100
56	M59	Z	-12.275	-12.275	0	%100
57	M60	X	1.772	1.772		%100
58	M60	Z	-3.069	-3.069	0	%100
59	M61A	X	1.235	1.235	0	%100
60	M61A	Z	-2.139	-2.139	0	%100 %100
61	M63A	X	1.235	1.235	00	70 100

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.%]
62	M63A	Z	-2.139	-2.139	0	%100
63	M72A	X	1.184	1.184	Ŏ	%100
64	M72A	Z	-2.051	-2.051	0	%100
65	M71A	X	1.184	1.184	0	%100
66	M71A	Z	-2.051	-2.051	0	%100
67	M72B	X	0	0	Ö	%100
68	M72B	Z	0	0	0	%100
69	M74A	X	4.529	4.529	Ŏ	%100 %100
70	M74A	Z	-7.844	-7.844	0	%100
71	M69	X	1.235	1.235	Ö	%100 %100
72	M69	Z	-2.139	-2.139	0	%100
73	M71	X	1.235	1.235	0	%100 %100
74	M71	Z	-2.139	-2.139	0	%100 %100
75	M75A	X	4.94	4.94	0	%100 %100
76	M75A	Z	-8.557	-8.557	Ö	%100 %100
77	M77A	X	4.94	4.94	0	%100 %100
78	M77A	Z	-8.557	-8.557	0	%100 %100
79	M79A	X	1.482	1.482	0	%100 %100
80	M79A	Z	-2.567	-2.567	0	%100 %100
81	M80B	X	5.928	5.928	0	%100 %100
82	M80B	Z	-10.268	-10.268	0	%100 %100
83	M81	X	4.426	4.426	0	%100 %100
84	M81	Z	-7.666	-7.666	0	%100 %100
85	M82	X	4.426	4.426	0	%100 %100
86	M82	Z	-7.666	-7.666	0	
87	M83	X	4.426	4.426	0	%100
88	M83	Z	-7.666	-7.666	0	%100
89	M84	X	4.426	4.426	0	%100 %100
90	M84	Z	-7.666	-7.666	Ö	
91	M85	X	0	0	0	%100 %100
92	M85	Z	0	0	0	
93	M86	X	0	0	Ö	%100
94	M86	Z	0	0	0	%100
95	LV	X	4.512	4.512	0	%100 %100
96	LV	Z	-7.815	-7.815	0	
97	M96	X	4.512	4.512	0	%100
98	M96	Z	-7.815	-7.815	0	%100 %100
99	M102	X	0	0	0	%100 %100
100	M102	Z	0	0	0	
101	M109	X	5.956	5.956	0	%100 %100
102	M109	Ž	-10.316	-10.316		%100
103	M110	X	0	0	0	%100
104	M110	Ž	0	0		%100
105	M111	X	5.956	5.956	0	%100
106	M111	Z	-10.316	-10.316		%100
107	M112	X	1.477		0	%100
108	M112	Z	-2.559	1.477	0	%100
109	M113	X		-2.559	0	%100
110	M113	Z	8.011 -13.876	8.011	0	%100
111	M114	X		-13.876	0	%100
112	M114	Z	8.011	8.011	0	%100
113	M115	X	-13.876	-13.876	0	%100
114	M115		1.477	1.477	0	%100
115	M115 M116	Z	-2.559	-2.559	0	%100
116	M116	X	3.839	3.839	0	%100
117		Z	-6.65	-6.65	0	%100
118	M117	X	3.839	3.839	0	%100
110	M117	Z	-6.65	-6.65	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.% %100
1	M40	X	7.944	7,944	0	%100 %100
2	M40	Z	-4.586	-4.586	0	%100 %100
3	M41	X	0	0	0	%100 %100
4	M41	Z	0	0	0	%100 %100
5	M42	X	7.944	7.944	0	%100 %100
6	M42	Z	-4.586	-4.586	0	%100 %100
7	M43	X	7.701	7.701	0	%100 %100
8	M43	Z	-4,446	-4.446	0	%100
9	M37A	X	2.555	2.555	0	%100 %100
10	M37A	Z	-1.475	-1.475	0	%100 %100
11	M38A	X	10.221	10.221	0	%100 %100
12	M38A	Z	-5.901	-5.901	0	%100
13	M39A	X	2.555	2.555	0	%100
14	M39A	Z	-1.475	-1.475	0	%100
15	MP5A	X	8.607	8.607	0	%100 %100
16	MP5A	Z	-4.969	-4.969	0	%100
17	MP4A	X	8.607	8.607	0	%100
18	MP4A	Z	-4.969	-4,969	0	%100
19	MP3A	X	8.607	8.607	0	%100
20	MP3A	Z	-4,969	-4.969	0	%100 %100
21	MP2A	X	8.607	8.607	0	%100
22	MP2A	Z	-4.969	-4.969	0	%100
23	MP1A	X	8.607	8.607	0	%100
24	MP1A	Z	-4.969	-4.969	0	%100 %100
25	MP5C	X	8.607	8.607		%100
26	MP5C	Z	-4.969	-4.969	0	%100
27	MP4C	X	8.607	8.607	0	%100
28	MP4C	Z	-4.969	-4.969	0	%100
29	MP3C	X	8.607	8.607	0	%100 %100
30	MP3C	Z	-4.969	-4.969	0	%100 %100
31	MP2C	X	8.607	8.607	0 .	%100 %100
32	MP2C	Z	-4.969	-4.969	0	%100 %100
33	MP1C	X	8.607	8.607	0	%100 %100
34	MP1C	Z	-4.969	-4.969	0	%100
35	MP5B	X	8.607	8.607	0	%100 %100
36	MP5B	Z	-4.969	-4.969	0	%100 %100
37	MP4B	X	8.607	8.607	0	%100 %100
38	MP4B	Z	-4.969	-4.969	0	%100 %100
39	MP3B	X	8.607	8.607	0	%100
40	MP3B	Z	-4.969	-4.969	0	%100
41	MP2B	X	8.607	8.607	0	%100 %100
42	MP2B	Z	-4.969	-4.969	0	%100 %100
43	MP1B	X	8.607	8.607	0	%100 %100
44	MP1B	Z	-4.969	-4.969		%100 %100
45	M61	X	7.944	7.944	0	%100 %100
46	M61	Z	-4.586	-4.586	0	%100 %100
47	M62	X	9.206	9.206	0	%100 %100
48	M62	Z	-5.315	-5.315	0	
49	M63	X	0	0	0	%100 %100
50	M63	Z	0	0	0	
51	M57	X	0	0	0	%100
52	M57	Z	0	0	0	%100
53	M58	X	9.206	9.206	0	%100 %100
54	M58	Z	-5.315	-5.315	0	%100
55	M59	X	9.206	9.206	0	%100
56	M59	Z	-5.315	-5.315	0	%100
57	M60	X	9.206	9.206	0	%100

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

[50]	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
58	M60	Z	-5,315	-5.315	0	%100
59	M61A	X	6.418	6.418	0	%100
60	M61A	Z	-3.705	-3.705	0	%100
61	M63A	X	6.418	6.418	0	%100
62	M63A	Z	-3.705	-3.705	0	%100
63	M72A	X	.684	.684	0	%100
64	M72A	Z	395	395	0	%100
65	M71A	X	2.735	2.735	0	%100
66	M71A	Z	-1.579	-1.579	0	%100
67	M72B	X	.684	.684	Ō	%100
68	M72B	Z	395	395	Ö	%100
69	M74A	X	7.844	7.844	Ö	%100 %100
70	M74A	Z	-4.529	-4.529	Ö	%100
71	M69	X	0	0	0	%100 %100
72	M69	Z	0	0	0	%100 %100
73	M71	X	0	0	0	%100 %100
74	M71	Ž	0	0	0	
75	M75A	X	6.418	6.418	0	%100
76	M75A	Z	-3.705	-3.705		%100
77	M77A	X	6.418		0	%100
78	M77A	Z	-3.705	6.418	0	%100
79	M79A			-3.705	0	%100
80	M79A	Z	0	0	0	%100
81	M80B		0	0	0	%100
82		X	7.701	7.701	0	%100
	M80B	Z	-4.446	-4.446	0	%100
83	M81	X	2.555	2.555	0	%100
84	M81	Z	-1.475	-1.475	0	%100
85	M82	X	2.555	2.555	0	%100
86	M82	Z	-1.475	-1.475	0	%100
87	M83	X	10.221	10.221	0	%100
88	M83	Z	-5.901	-5.901	0	%100
89	M84	X	10,221	10.221	0	%100
90	M84	Z	-5.901	-5.901	0	%100
91	M85	X	2.555	2.555	0	%100
92	M85	Z	-1.475	-1.475	0	%100
93	M86	X	2.555	2.555	0	%100
94	M86	Z	-1.475	-1.475	0	%100
95	LV	X	2.605	2.605	0	%100
96	LV	Z	-1.504	-1.504	0	%100
97	M96	X	10.419	10.419	0	%100
98	M96	Z	-6.016	-6.016	0	%100
99	M102	X	2.605	2.605	0	%100
100	M102	Z	-1.504	-1.504	0	%100
101	M109	X	13.755	13.755	0	%100
102	M109	Z	-7.941	-7.941	0	%100 %100
103	M110	X	3.439	3.439	0	%100 %100
104	M110	Z	-1.985	-1.985	0	%100 %100
105	M111	X	3.439	3.439	0	%100 %100
106	M111	Z	-1.985	-1.985	0	%100
107	M112	X	1.513	1.513	0	
108	M112	Z	874	874	0	%100
109	M113	X	12.831			%100
110	M113	Ž	-7.408	12.831	0	%100
111	M114	X	8.74	-7.408 8.74	0	%100
112	M114	Z			0	%100
113	M115	X	-5.046	-5.046	0	%100
114	M115	Z	8.74	8.74	0	%100
	IVITIO	- 4	-5.046	-5.046	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,%]
115	M116	X	12.831	12.831	0	%100
110		7	-7.408	-7.408	0	%100
115 116 117	M116	- -	1.513	1.513	0	%100
	M117	+	874	874	0	%100
118	M117		074	074		70.102

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

	Member Label	Direction		End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%
1	M40	X	12.23	12.23	0	%100
2	M40	Z	0	0	0	%100
3	M41	X	3.057	3.057	0	%100
4	M41	Z	0	0	0	%100
5	M42	X	3.057	3.057	0	%100
	M42	7	0	0	0	%100
7	M43	X	11.857	11.857	0	%100
	M43	Z	0	0	0	%100
8		X	0	0	0	%100
9	M37A	Z	0	0	0	%100
10	M37A	X	8.852	8.852	0	%100
11	M38A	Ž	0.002	0	0	%100
12	M38A	X	8.852	8.852	0	%100
13	M39A	Ž	0.002	0	0	%100
14	M39A		9.939	9.939	0	%100
15	MP5A	X	9.939	0.555	0	%100
16	MP5A	Z	9.939	9.939	Ö	%100
17	MP4A	X	9.939	0.505	Ö	%100
18	MP4A	Z	9.939	9.939	Ö	%100
19	MP3A	X		0	Ö	%100
20	MP3A	Z	0	9.939	Ö	%100
21	MP2A	X	9.939	9.939	0	%100
22	MP2A	Z	0	9.939	0	%100
23	MP1A	X	9.939		0	%100
24	MP1A	Z	0	0 0000	0	%100
25	MP5C	X	9.939	9.939	0	%100
26	MP5C	Z	0	0		%100
27	MP4C	X	9.939	9.939	0	%100 %100
28	MP4C	Z	0	0	0	%100 %100
29	MP3C	X	9.939	9.939	0	%100 %100
30	MP3C	Z	0	0	0	%100 %100
31	MP2C	X	9.939	9.939	0	
32	MP2C	Z	0	0	0	%100
33	MP1C	X	9.939	9.939	0	%100
34	MP1C	Z	0	0	0	%100
35	MP5B	X	9.939	9.939	0	%100
36	MP5B	Z	0	0	0	%100
37	MP4B	X	9.939	9.939	0	%100
38	MP4B	Z	0	0	0	%100
39	MP3B	X	9.939	9.939	0	%100
40	MP3B	Z	0	0	0	%100
41	MP2B	X	9.939	9.939	0	%100
42	MP2B	Z	0	0	0	%100
	MP1B	X	9.939	9.939	0	%100
43	MP1B	Z	0	0	0	%100
44		X	3.057	3.057	0	%100
45	M61	Z	0	0	0	%100
46	M61	X	14.174	14.174	0	%100
47	M62	Z	0	0	0	%100
48	M62 M63	X	3.543	3.543	0	%100

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

[50]	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
50	M63	Z	0	0	0	%100
51	M57	X	3.543	3.543	0	%100
52	M57	Z	0	0	0	%100
53	M58	X	3.543	3.543	0	%100
54	M58	Z	0	0	0	%100
55	M59	X	3.543	3.543	0	%100
56	M59	Z	0	0	0	%100
57	M60	X	14.174	14.174	0	%100
58	M60	Z	0	0	0	%100
59	M61A	X	9.881	9.881	0	%100
60	M61A	Z	0	0	0	%100
61	M63A	X	9.881	9.881	0	%100
62	M63A	Z	0	0	0	%100
63	M72A	X	0	0	0	%100
64	M72A	Z	0	0	0	%100
65	M71A	X	2.368	2.368	0	%100
66	M71A	Z	0	0	0	%100
67	M72B	X	2.368	2.368	0	%100
68	M72B	Z	0	0	0	%100
69	M74A	X	9.057	9.057	0	%100
70	M74A	Z	0	0	0	%100
71	M69	X	2.47	2.47	0	%100
72	M69	Z	0	0	0	%100
73	M71	X	2.47	2.47	0	%100
74	M71	Z	0	0	0	%100
75	M75A	X	2.47	2.47	0	%100
76	M75A	Z	0	0	0	%100
77	M77A	X	2.47	2.47	0	%100
78	M77A	Z	0	0	0	%100
79	M79A	X	2.964	2.964	0	%100
80	M79A	Z	0	0	0	%100
81	M80B	X	2.964	2.964	0	%100
82	M80B	Z	0	0	0	%100
83	M81	X	0	0	0	%100
84	M81	Z	0	0	0	%100
85	M82	X	0	0	0	%100
86	M82	Z	0	0	0	%100
87	M83	X	8.852	8.852	0	%100
88	M83	Z	0	0	0	%100
89	M84	X	8.852	8.852	0	%100
90	M84	Z	0	0	0	%100
91	M85	X	8.852	8.852	0	%100
92	M85	Z	0	0	0	%100
93	M86	X	8.852	8.852	0	%100
94	M86	Z	0	0	0	%100
95	LV	X	0	0	0	%100
96	LV	Z	0	0	0	%100
97	M96	X	9.024	9.024	0	%100
98	M96	Z	0	0	0	%100
99	M102	X	9.024	9.024	Ō	%100
100	M102	Z	0	0	Ō	%100
101	M109	X	11.912	11.912	0	%100
102	M109	Z	0	0	Ö	%100
103	M110	X	11.912	11.912	0	%100 %100
104	M110	Z	0	0	Ö	%100
105	M111	X	0	0	0	%100 %100
	M111	Z	0	0	Ö	70.100



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

	Manharlahal	Direction	Start Magnitude(lb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%
	Member Label	Direction	7.679	7.679	0	%100
107	M112		7.073	1.0	0	%100
108	M112		U	7 070	0	%100
109	M113	X	7.679	7.679		
110	M113	7	0	0	0	%100
		Y	2.954	2.954	0	%100
111	M114	7	2.001	0	0	%100
112	M114		10.000	16.022	n	%100
113	M115	X	16.023	16.023	0	%100
114	M115	Z	0	0	0	
	M116	X	16.023	16.023	0	%100
115		7	0	0	0	%100
116	M116		0.054	2.954	Ô	%100
117	M117	X	2.954	2.934	0	%100
118	M117	Z	0	U	0	/8100

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	M40	X	7.944	7.944	0	%100
2	M40	Z	4.586	4.586	0	%100
3	M41	X	7.944	7.944	00	%100
4	M41	Z	4.586	4.586	0	%100
5	M42	X	0	0	0	%100
	M42	Z	0	0	0	%100
7	M43	X	7.701	7.701	0	%100
	M43	Z	4.446	4.446	0	%100
8	M37A	X	2.555	2.555	0	%100
9	M37A	Z	1.475	1.475	0	%100
10		X	2.555	2.555	0	%100
11	M38A	Ž	1.475	1.475	0	%100
12	M38A	X	10.221	10.221	0	%100
13	M39A	Z	5.901	5.901	0	%100
14	M39A	X	8.607	8.607	0	%100
15	MP5A	Z	4.969	4.969	0	%100
16	MP5A		8.607	8.607	0	%100
17	MP4A	X	4,969	4.969	0	%100
18	MP4A	Z	8.607	8.607	0	%100
19	MP3A	X	4.969	4.969	0	%100
20	MP3A	Z	8.607	8.607	0	%100
21	MP2A	X	4.969	4.969	0	%100
22	MP2A	Z	8.607	8.607	0	%100
23	MP1A	X	4.969	4.969	0	%100
24	MP1A	Z		8.607	0	%100
25	MP5C	X	8.607	4.969	0	%100
26	MP5C	Z	4.969		0	%100
27	MP4C	X	8.607	8.607	0	%100
28	MP4C	Z	4.969	4.969	0	%100
29	MP3C	X	8.607	8.607	0	%100
30	MP3C	Z	4.969	4.969		%100
31	MP2C	X	8.607	8.607	0	%100
32	MP2C	Z	4.969	4.969		%100
33	MP1C	X	8.607	8.607	0	%100
34	MP1C	Z	4.969	4.969	0	%100 %100
35	MP5B	X	8.607	8.607	0	%100 %100
36	MP5B	Z	4.969	4.969	0	%100 %100
37	MP4B	X	8.607	8.607	0	
38	MP4B	Z	4.969	4.969	0	%100
39	MP3B	X	8.607	8.607	0	%100
40	MP3B	Z	4.969	4.969	0	%100
41	MP2B	X	8.607	8.607	0	%100

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

42	Member Label MP2B	Direction Z	Start Magnitude[lb/ft. 4.969	End Magnitude[lb/ft,F 4.969	Start Location[ft,%]	End Location[ft,%] %100
43	MP1B	X	8.607	8.607	0	%100 %100
44	MP1B	Z	4.969	4.969	0	%100
45	M61	X	0	0	0	%100 %100
46	M61	Z	0	0	0	%100 %100
47	M62	X	9.206	9.206	0	%100 %100
48	M62	Z	5.315	5.315	0	%100 %100
49	M63	X	9.206	9.206	0	%100 %100
50	M63	Z	5.315	5.315	0	%100 %100
51	M57	X	9.206	9.206	0	%100 %100
52	M57	Z	5.315	5.315	0	%100 %100
53	M58	X	0	0	0	%100 %100
54	M58	Z	0	0	0	%100 %100
55	M59	X	0	0	0	%100 %100
56	M59	Z	0	0	0	%100 %100
57	M60	X	9.206	9.206	0	%100 %100
58	M60	Z	5.315	5.315	0	%100 %100
59	M61A	X	6.418	6.418	0	%100 %100
60	M61A	Z	3.705	3.705	0	%100 %100
61	M63A	X	6.418	6.418	0	%100 %100
62	M63A	Z	3.705	3.705	0	%100 %100
63	M72A	X	.684	.684	0	%100 %100
64	M72A	Z	.395	.395	0	%100 %100
65	M71A	X	.684	.684	0	%100 %100
66	M71A	Z	.395	.395	0	%100 %100
67	M72B	X	2.735	2.735	0	%100 %100
68	M72B	Z	1.579	1.579	0	%100 %100
69	M74A	X	7.844	7.844	0	%100 %100
70	M74A	Z	4.529	4.529	0	%100 %100
71	M69	X	6.418	6.418	0	%100 %100
72	M69	Z	3.705	3.705	0	%100 %100
73	M71	X	6.418	6.418	0	%100 %100
74	M71	Z	3.705	3.705	0	%100 %100
75	M75A	X	0.700	0	ő	%100
76	M75A	Z	0	0	0	%100 %100
77	M77A	X	0	0	0	%100 %100
78	M77A	Z	0	0	0	%100 %100
79	M79A	X	7.701	7.701	ő	%100 %100
80	M79A	Z	4.446	4.446	0	%100 %100
81	M80B	X	0	0	0	%100 %100
82	M80B	Z	0	0	Ö	%100 %100
83	M81	X	2.555	2.555	0	%100 %100
84	M81	Z	1.475	1.475	Ö	%100 %100
85	M82	X	2.555	2.555	0	%100 %100
86	M82	Z	1.475	1.475	0	%100 %100
87	M83	X	2.555	2.555	0	%100 %100
88	M83	Z	1.475	1.475	0	%100 %100
89	M84	X	2.555	2.555	0	%100 %100
90	M84	Z	1.475	1.475	0	%100 %100
91	M85	X	10.221	10.221	0	%100 %100
92	M85	Z	5.901	5.901	0	%100 %100
93	M86	X	10.221	10.221	0	%100 %100
94	M86	Z	5.901	5.901	0	%100 %100
95	LV	X	2.605	2.605	0	%100 %100
96	LV	Z	1,504	1.504	0	%100 %100
97	M96	X	2.605	2.605	0	%100 %100
98	M96	Z	1.504	1.504	0	/0 TUU

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

	er Distributeu Lo	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
	Member Label	Direction	10.419	10,419	0	%100
99	M102		6.016	6.016	0	%100
100	M102	Z	3,439	3,439	0	%100
101	M109	X		1.985	Ŏ	%100
102	M109	Z	1.985	13.755	0	%100
103	M110	X	13.755		Ö	%100
104	M110	Z	7.941	7.941	Ö	%100
105	M111	X	3.439	3.439	0	%100
106	M111	Z	1.985	1.985	0	
107	M112	X	12.831	12.831	0	%100
108	M112	Z	7.408	7.408	0	%100
109	M113	X	1.513	1.513	.0	%100
	M113	Z	.874	.874	0	%100
110	M114	×	1.513	1.513	0	%100
111		7	.874	.874	0	%100
112	M114	X	12.831	12.831	0	%100
113	M115	7	7.408	7.408	0	%100
114	M115		8.74	8.74	0	%100
115	M116	X		5.046	0	%100
116	M116	Z	5.046	8.74	0	%100
117	M117	X	8.74		0	%100
118	M117	Z	5.046	5.046		70100

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

2,,,,		Direction	Start Magnitudellb/ft	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%
4 1	Member Label	X	1.529	1.529	0	%100
1	M40	Ž	2.648	2.648	0	%100
2	M40	X	6.115	6.115	0	%100
3	M41		10.591	10.591	0	%100
4	M41	Z	1,529	1.529	0	%100
5	M42	X	2.648	2.648	0	%100
6	M42	Z		1.482	Ö	%100
7	M43	X	1.482	2.567	Ŏ	%100
8	M43	Z	2.567		0	%100
9	M37A	X	4.426	4.426	0	%100
10	M37A	Z	7.666	7.666	0	%100
11	M38A	X	0	0		%100 %100
12	M38A	Z	0	0	0	%100 %100
13	M39A	X	4.426	4.426	0	%100 %100
14	M39A	Z	7.666	7.666	0	
15	MP5A	X	4.969	4.969	0	%100
16	MP5A	Z	8.607	8.607	0	%100
17	MP4A	X	4.969	4.969	0	%100
18	MP4A	Z	8.607	8.607	0	%100
	MP3A	X	4.969	4.969	0	%100
19	MP3A	Z	8.607	8.607	0	%100
20		X	4.969	4.969	0	%100
21	MP2A	Z	8,607	8.607	0	%100
22	MP2A	X	4.969	4.969	0	%100
23	MP1A	Z	8.607	8.607	0	%100
24	MP1A		4.969	4.969	0	%100
25	MP5C	X	8.607	8.607	0	%100
26	MP5C	Z	4.969	4.969	0	%100
27	MP4C	X		8.607	0	%100
28	MP4C	Z	8.607	4.969	0	%100
29	MP3C	X	4.969		0	%100
30	MP3C	Z	8.607	8.607	0	%100
31	MP2C	X	4.969	4.969	0	%100
32	MP2C	Z	8.607	8.607		%100
33	MP1C	X	4.969	4.969	0	70100

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

C	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft.F	. Start Location(ft.%)	End Location[ft,%]
34	MP1C	Z	8.607	8.607	0	%100
35	MP5B	X	4.969	4.969	0	%100 %100
36	MP5B	Z	8.607	8.607	0	%100
37	MP4B	X	4.969	4.969	0	%100 %100
38	MP4B	Z	8.607	8.607	Ō	%100 %100
39	MP3B	X	4.969	4.969	0	%100 %100
40	MP3B	Z	8.607	8.607	0	
41	MP2B	X	4.969	4.969	0	%100 %100
42	MP2B	Z	8.607	8.607	0	%100
43	MP1B	X	4.969	4.969	0	%100
44	MP1B	7	8.607	8.607		%100
45	M61	X	1.529	1.529	0	%100
46	M61	Z	2.648		0	<u>%100</u>
47	M62	X		2.648	0	%100
48	M62	Z	1.772	1.772	0	%100
49	M63	X	3.069	3.069	0	%100
50	M63	Z	7.087	7.087	0	%100
51	M57		12.275	12.275	0	%100
52	M57	X	7.087	7.087	0	%100
53		Z	12.275	12.275	0	%100
54	M58	X	1.772	1.772	0	%100
	M58	Z	3.069	3.069	0	%100
55	M59	X	1.772	1.772	0	%100
56	M59	Z	3.069	3.069	0	%100
57	M60	X	1.772	1.772	0	%100
58	M60	Z	3.069	3.069	0	%100
59	M61A	X	1.235	1.235	0	%100
60	M61A	Z	2.139	2.139	0	%100
61	M63A	X	1.235	1.235	0	%100
62	M63A	Z	2.139	2.139	0	%100
63	M72A	X	1.184	1.184	0	%100
64	M72A	Z	2.051	2.051	0	%100
65	M71A	X	0	0	0	%100 %100
66	M71A	Z	0	0	0	%100 %100
67	M72B	X	1.184	1.184	0	%100
68	M72B	Z	2.051	2.051	Ö	%100
69	M74A	X	4.529	4.529	0	%100 %100
70	M74A	Z	7.844	7.844	0	%100
71	M69	X	4.94	4.94	0	%100 %100
72	M69	Z	8.557	8.557	0	%100 %100
73	M71	X	4.94	4.94	0	%100
74	M71	Z	8.557	8.557		%100
75	M75A	X	1.235	1.235	0	<u>%100</u>
76	M75A	7	2.139	2.139		%100
77	M77A	X	1.235		0	%100
78	M77A	Z	2.139	1.235	0	%100
79	M79A	X		2.139	0	%100
80	M79A	Z	5.928	5.928	0	%100
81	M80B		10.268	10.268	0	%100
82		X	1.482	1.482	0	%100
83	M80B M81	Z	2.567	2.567	0	%100
84		X	4.426	4.426	0	%100
	M81	Z	7.666	7.666	0	%100
85	M82	X	4.426	4.426	0	%100
86	M82	Z	7.666	7.666	0	%100
87	M83	X	0	0	0	%100
88	M83	Z	0	0	0	%100
89	M84	X	0	0	0	%100
90	M84	Z	0	0	0	%100

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

	Mambal abol	Direction	Start MagnitudeIlb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
04	Member Label M85	X	4.426	4.426	0	%100
91		7	7.666	7.666	0	%100
92	M85	X	4.426	4,426	0	%100
93	M86	7	7.666	7.666	0	%100
94	M86		4.512	4.512	0	%100
95	LV	X	7.815	7.815	0	%100
96	LV	Z		7.015	0	%100
97	M96	X	0	0	0	%100
98	M96	Z	0	4.512	0	%100
99	M102	X	4.512		0	%100
100	M102	Z	7.815	7.815	0	%100
101	M109	X	0	0	0	%100
102	M109	Z	0	0		%100 %100
103	M110	X	5.956	5.956	0	
104	M110	Z	10.316	10,316	0	%100
105	M111	X	5.956	5.956	0	%100
106	M111	7	10.316	10.316	0	%100
107	M112	X	8.011	8,011	0	%100
	M112	Z	13.876	13.876	0	%100
108	M113	X	1,477	1.477	0	%100
109		Z	2.559	2.559	0	%100
110	M113	X	3.839	3.839	0	%100
111	M114	Z	6.65	6.65	0	%100
112	M114		3.839	3.839	0	%100
113	M115	X	6.65	6.65	0	%100
114	M115	Z		1.477	Ő	%100
115	M116	X	1.477	2.559	0	%100
116	M116	Z	2.559		0	%100
117	M117	X	8.011	8.011	0	%100
118	M117	Z	13.876	13.876	0	70100

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

		Direction	Start Magnitude[lb/ft	End Magnitude(lb/ft,F.,	Start Location[ft,%]	End Location[ft,%]
	Member Label	X	O Start Wagnitude (1071)	0	0	%100
1_	M40		0	0	0	%100
2	M40	Z	0	0	0	%100
3	M41	X	9.172	9.172	0	%100
4	M41	Z	9.172	0	0	%100
5	M42	X		9.172	0	%100
6	M42	Z	9.172	9.172	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	0	0	0	%100
9	M37A	X	0		0	%100
10	M37A	Z	11.802	11.802	0	%100
11	M38A	X	0	0		%100
12	M38A	Z	2.951	2.951	0	%100 %100
13	M39A	X	0	0	0	%100 %100
14	M39A	Z	2.951	2.951	0	
15	MP5A	X	0	0	0	%100
16	MP5A	Z	9.939	9.939	0	%100
17	MP4A	X	0	0	0	%100
18	MP4A	Z	9.939	9.939	0	%100
19	MP3A	X	0	0	0	%100
	MP3A	Z	9.939	9.939	0	%100
20	MP2A	X	0	0	0	%100
21	MP2A	Z	9.939	9.939	0	%100
22	The state of the s	X	0	0	0	%100
23	MP1A	7	9.939	9.939	0	%100
24 25	MP1A MP5C	X	0	0	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,%]
26	MP5C	Z	9.939	9.939	0	%100
27	MP4C	X	0	0	0	%100
28	MP4C	Z	9.939	9.939	0	%100
29	MP3C	X	0	0	0	%100
30	MP3C	Z	9.939	9.939	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	9.939	9.939	0	%100
33	MP1C	X	0	0	0	%100
34	MP1C	Z	9.939	9.939	0	%100
35	MP5B	X	0	0	0	%100
36	MP5B	Z	9.939	9.939	0	%100 %100
37	MP4B	X	0	0	0	%100 %100
38	MP4B	Z	9.939	9.939	0	%100 %100
39	MP3B	X	0	0.000	0	%100 %100
40	MP3B	Z	9.939	9.939	0	%100 %100
41	MP2B	X	0	0	0	%100 %100
42	MP2B	Z	9.939	9.939	0	%100 %100
43	MP1B	X	0	0	0	%100
44	MP1B	Z	9.939	9.939	0	%100
45	M61	X	0	9.939	0	<u>%100</u>
46	M61	Z	9.172	9.172		%100
47	M62	X	0		0	%100
48	M62	Z	0	0	0	%100
49	M63	X	0	0	0	%100
50	M63	Ž	10.63	0	0	%100
51	M57	X	0	10.63	0	%100
52	M57	Z		0	0	%100
53	M58	X	10.63	10.63	0	%100
54	M58	Z	0	0	0	%100
55	M59	X	10.63	10.63	0	%100
56	M59	Ž	0	0	0	%100
57	M60	X	10.63	10.63	0	%100
58	M60		0	0	0	%100
59	M61A	X	0	0	0	%100
60	M61A	Z	0	0	0	%100
61	M63A		0	0	0	%100
62	M63A	X	0	0	0	%100
63	M72A	Z	0	0	0	%100
64		X	0	0	0	%100
65	M72A M71A	Z	3.158	3.158	0	%100
66		X	0	0	0	%100
	M71A	Z	.789	.789	0	%100
67 68	M72B	X	0	0	0	%100
	M72B	Z	.789	.789	0	%100
69	M74A	X	0	0	0	%100
70	M74A	Z	9.057	9.057	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	7.411	7.411	0	%100
73	M71	X	0	0	0	%100
74	M71	Z	7.411	7.411	0	%100
75	M75A	X	0	0	0	%100
76	M75A	Z	7.411	7.411	0	%100
77	M77A	X	0	0	0	%100
78	M77A	Z	7.411	7.411	0	%100
79	M79A	X	0	0	0	%100
80	M79A	Z	8.893	8.893	0	%100
81	M80B	X	0	0	0	%100
82	M80B	Z	8.893	8.893	Ö	%100



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

	Member Label	Direction		End Magnitude[lb/ft,F		End Location[ft,%]
83	M81	X	0	0	0	%100
84	M81	Ž	11.802	11.802	0	%100
	M82	X	0	0	0	%100
85	M82	Ž	11.802	11.802	0	%100
86	M83	X	0	0	0	%100
87		Z	2.951	2.951	0	%100
88	M83	X	0	0	0	%100
89	M84	Z	2.951	2.951	0	%100
90	M84	X	0	0	0	%100
91	M85	Ž	2.951	2.951	0	%100
92	M85	X	0	0	0	%100
93	M86	Ž	2.951	2.951	0	%100
94	M86		2.551	0	0	%100
95	LV	X Z	12.031	12.031	0	%100
96	LV		12.031	0	0	%100
97	M96	X	3.008	3.008	0	%100
98	M96	Z	3.006	0	0	%100
99	M102	X	3.008	3.008	0	%100
100	M102	Z	3.006	0	0	%100
101	M109	X	3.971	3.971	0	%100
102	M109	Z		0	0	%100
103	M110	X	0	3.971	0	%100
104	M110	Z	3.971	0	0	%100
105	M111	X	0	15.883	0	%100
106	M111	Z	15.883	15.665	0	%100
107	M112	X	0	10.092	0	%100
108	M112	Z	10.092	0	0	%100
109	M113	X	0	10.092	0	%100
110	M113	Z	10.092		0	%100
111	M114	X	0	0	0	%100
112	M114	Z	14.816	14.816	0	%100
113	M115	X	0	0	0	%100
114	M115	Z	1.748	1.748	0	%100 %100
115	M116	X	0	0		%100 %100
116	M116	Z	1.748	1.748	0	%100 %100
117	M117	X	0	0	0	%100 %100
118	M117	Z	14.816	14.816	0	76100

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

	Member Label	Direction	Start MagnitudeIlb/ft,	End Magnitude[lb/ft.F	Start Location[ft,%]	End Location[ft,%]
4	M40	Y	-1.529	-1.529	0	%100
1		7	2.648	2.648	0	%100
2	M40	- -	-1.529	-1.529	0	%100
3	M41	7	2.648	2.648	0	%100
4	M41	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	-6.115	-6.115	0	%100
5	M42	<u> </u>		10.591	Ö	%100
6	M42	Z	10.591	-1.482	0	%100
7	M43	X	-1.482		0	%100
8	M43	Z	2.567	2.567	0	%100
9	M37A	X	-4.426	-4.426		%100
10	M37A	Z	7.666	7.666	0	%100
11	M38A	X	-4.426	-4.426	0	
12	M38A	Z	7.666	7.666	0	%100
13	M39A	X	0	0	0	%100
14	M39A	Z	0	0	0	%100
15	MP5A	X	-4.969	-4.969	0	%100
	MP5A	7	8.607	8.607	0	%100
16	MP4A	X	-4.969	-4.969	0	%100

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

10	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F.,	Start Location[ft,%]	End Location[ft,%]
18	MP4A	Z	8.607	8.607	0	%100
19	MP3A	X	-4.969	-4.969	0	%100
20	MP3A	Z	8.607	8.607	0	%100
21	MP2A	X	-4.969	-4.969	0	%100
22	MP2A	Z	8.607	8.607	0	%100
23	MP1A	X	-4.969	-4.969	0	%100
24	MP1A	Z	8.607	8.607	0	%100
25	MP5C	X	-4.969	-4.969	0	%100
26	MP5C	Z	8.607	8.607	0	%100
27	MP4C	X	-4.969	-4.969	0	%100
28	MP4C	Z	8.607	8.607	0	%100
29	MP3C	X	-4.969	-4.969	0	%100
30	MP3C	Z	8.607	8.607	0	%100
31	MP2C	X	-4.969	-4.969	0	%100
32	MP2C	Z	8.607	8.607	0	%100
33	MP1C	X	-4.969	-4.969	0	%100
34	MP1C	Z	8.607	8.607	Ö	%100
35	MP5B	X	-4.969	-4.969	Ö	%100 %100
36	MP5B	Z	8.607	8.607	Ö	%100
37	MP4B	X	-4.969	-4.969	ŏ	%100
38	MP4B	Z	8.607	8.607	Ö	%100 %100
39	MP3B	X	-4.969	-4.969	Ö	%100
40	MP3B	Z	8.607	8.607	Ö	%100 %100
41	MP2B	X	-4.969	- 4.969	0	%100 %100
42	MP2B	Z	8.607	8.607	0	%100 %100
43	MP1B	X	-4.969	-4.969	0	%100 %100
44	MP1B	Z	8.607	8.607	0	%100 %100
45	M61	X	-6.115	-6.115	0	%100 %100
46	M61	Z	10.591	10.591	0	%100 %100
47	M62	X	-1.772	-1.772	0	%100 %100
48	M62	Z	3.069	3.069	0	%100 %100
49	M63	X	-1.772	-1.772	0	%100 %100
50	M63	Z	3.069	3.069	0	%100 %100
51	M57	X	-1.772	-1.772	0	%100 %100
52	M57	Z	3.069	3.069	0	%100 %100
53	M58	X	-7.087	-7.087	0	%100 %100
54	M58	Z	12.275	12.275	0	%100 %100
55	M59	X	-7.087	-7.087	0	%100 %100
56	M59	Z	12.275	12.275	0	%100 %100
57	M60	X	-1.772	-1.772	0	%100 %100
58	M60	Z	3.069	3.069	o l	%100 %100
59	M61A	X	-1.235	-1.235	0	%100 %100
60	M61A	Z	2.139	2.139	0	%100
61	M63A	X	-1.235	-1.235	0	%100 %100
62	M63A	Z	2.139	2.139	0	%100 %100
63	M72A	X	-1.184	-1.184	0	
64	M72A	Z	2.051	2.051	0	%100 %100
65	M71A	X	-1.184	-1.184	0	%100 %100
66	M71A	Z	2.051	2.051	0	
67	M72B	X	2.051	0	0	%100 %100
68	M72B	Ž	0	0	0	%100 %100
69	M74A	X	-4.529	-4.529		%100
70	M74A	Ž	7.844	7.844	0	%100
71	M69	X	-1.235	-1.235	0	%100
72	M69	Z	2.139		0	%100
73	M71	X	-1.235	2.139	0	%100
74	M71	Ž	2.139	-1.235	0	%100
	1411		2.139	2.139	0	%100

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

	Member Label	Direction		End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%
75	M75A	X	-4.94	-4.94	0	%100 %100
76	M75A	Z	8.557	8.557	0	
77	M77A	X	-4.94	-4.94	0	%100
78	M77A	Z	8.557	8.557	0	%100
79	M79A	X	-1.482	-1.482	0	%100
80	M79A	Z	2.567	2.567	0	%100
81	M80B	X	-5.928	-5.928	0	%100
82	M80B	Z	10.268	10.268	0	%100
83	M81	X	-4.426	-4,426	0	%100
84	M81	Z	7.666	7.666	0	%100
85	M82	X	-4.426	-4.426	0	%100
	M82	Ž	7.666	7.666	0	%100
86	M83	X	-4,426	-4.426	0	%100
87		Z	7.666	7.666	0	%100
88	M83 M84	X	-4.426	-4.426	0	%100
89		Ž	7.666	7.666	0	%100
90	M84	X	0	0	0	%100
91	M85	Z	0	0	0	%100
92	M85		0	0	0	%100
93	M86	X	0	0	0	%100
94	M86	Z	-4.512	-4.512	0	%100
95	LV	X	7.815	7.815	Ŏ	%100
96	LV	Z	-4.512	-4.512	0	%100
97	M96	X	7.815	7.815	Ö	%100
98	M96	Z		0	Ö	%100
99	M102	X	0	0	0	%100
100	M102	Z	0	-5.956	0	%100
101	M109	X	-5.956	10.316	0	%100
102	M109	Z	10.316		0	%100 %100
103	M110	X	0	0	0	%100 %100
104	M110	Z	0		0	%100 %100
105	M111	X	-5.956	-5.956	0	%100
106	M111	Z	10.316	10.316		%100 %100
107	M112	X	-1.477	-1.477	0	%100 %100
801	M112	Z	2.559	2.559	0	
109	M113	X	-8.011	-8.011	0	%100 %100
110	M113	Z	13.876	13.876	0	%100
111	M114	X	-8.011	-8.011	0	%100
112	M114	Z	13.876	13.876	0	%100
113	M115	X	-1.477	-1.477	0	%100
114	M115	Z	2.559	2.559	0	%100
115	M116	X	-3.839	-3.839	0	%100
116	M116	Z	6.65	6.65	0	%100
117	M117	X	-3.839	-3.839	0	%100
118	M117	Z	6.65	6.65	0	%100

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

	Member Label	Direction		End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
4	M40	Y	-7.944	-7.944	0	%100
2		7	4.586	4.586	0	%100
	M40	- v	1.000	0	0	%100
3	M41		0	0	0	%100
4	M41	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	-7.944	-7.944	0	%100
5	M42	<u> </u>	4.586	4.586	0	%100
6	M42		-7.701	-7.701	0	%100
7	M43	<u> </u>		4.446	0	%100
8	M43		4.446	-2.555	0	%100
9	M37A	X	-2.555	-2.555		70100

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,%]
10	M37A	Z	1.475	1.475	0	%100
11	M38A	X	-10.221	-10.221	0	%100
12	M38A	Z	5.901	5.901	0	%100
13	M39A	X	-2.555	-2.555	0	%100
14	M39A	Z	1.475	1.475	0	%100
15	MP5A	X	-8.607	-8.607	0	%100
16	MP5A	Z	4.969	4.969	0	%100
17	MP4A	X	-8.607	-8.607	0	%100
18	MP4A	Z	4.969	4.969	0	%100
19	MP3A	X	-8.607	-8.607	0	%100
20	MP3A	Z	4.969	4.969	0	%100
21	MP2A	X	-8.607	-8.607	0	%100
22	MP2A	Z	4.969	4.969	Ö	%100
23	MP1A	X	-8.607	-8.607	0	%100
24	MP1A	Z	4.969	4.969	Ö	%100
25	MP5C	X	-8.607	-8.607	0	%100 %100
26	MP5C	Z	4.969	4.969	Ö	%100
27	MP4C	X	-8.607	-8.607	0	%100
28	MP4C	Z	4.969	4.969	0	%100 %100
29	MP3C	X	-8.607	-8.607	0	%100 %100
30	MP3C	Z	4.969	4.969	0	%100
31	MP2C	X	-8.607	-8.607	0	%100 %100
32	MP2C	Z	4.969	4.969	0	%100
33	MP1C	X	-8.607	-8.607	0	%100 %100
34	MP1C	Z	4.969	4.969	0	%100
35	MP5B	X	-8.607	-8.607	0	%100 %100
36	MP5B	Z	4.969	4.969	0	%100 %100
37	MP4B	X	-8.607	-8.607	0	
38	MP4B	Z	4.969	4.969	0	%100 %100
39	MP3B	X	-8.607	-8.607	0	
40	MP3B	Z	4.969	4.969		%100
41	MP2B	X	-8.607	-8.607	0	%100
42	MP2B	Z	4.969		0	%100
43	MP1B	X	-8.607	4.969	0	%100
44	MP1B	Z	4.969	-8.607	0	%100
45	M61	X	-7.944	4.969	0	%100
46	M61			-7.944	0	%100
47	M62	Z X	4.586	4.586	0	%100
48	M62	Ž	-9.206	-9.206	0	%100
49	M63		5.315	5.315	0	%100
50	M63	Z	0	0	0	%100
51	M57		0	0	0	%100
52		X	0	0	0	%100
	M57	Z	0	0	0	%100
53	M58	X	-9.206	-9.206	0	%100
54	M58	Z	5.315	5.315	0	%100
55	M59	X	-9.206	-9.206	0	%100
56	M59	Z	5.315	5.315	0	%100
57	M60	X	-9.206	-9.206	0	%100
58	M60	Z	5.315	5.315	0	%100
59	M61A	Z	-6.418	-6.418	0	%100
60	M61A	Z	3.705	3.705	0	%100
61	M63A	X	-6.418	-6.418	0	%100
62	M63A	Z	3.705	3.705	0	%100
63	M72A	X	684	684	0	%100
64	M72A	Z	.395	.395	0	%100
65	M71A	X	-2.735	-2.735	0	%100
66	M71A	Z	1.579	1.579	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,%] %100
67	M72B	X	684	684	0	%100 %100
68	M72B	Z	.395	.395	0	%100 %100
69	M74A	X	-7.844	-7.844	0	%100 %100
70	M74A	Z	4.529	4.529	0	%100 %100
71	M69	X	0	0	0	%100 %100
72	M69	Z	0	0	0	%100 %100
73	M71	X	0	0	0	%100 %100
74	M71	Z	0	0	0	%100 %100
75	M75A	X	-6.418	-6.418	0	%100 %100
76	M75A	Z	3.705	3.705	0	%100 %100
77	M77A	X	-6.418	-6.418	0	%100 %100
78	M77A	Z	3.705	3.705	0	
79	M79A	X	0	0	0	%100 %400
80	M79A	Z	0	0	0	%100
81	M80B	X	-7.701	-7.701	0	%100
82	M80B	Z	4.446	4.446	0	%100 %100
83	M81	X	-2.555	-2.555	0	%100
84	M81	Z	1.475	1.475	0	%100
85	M82	X	-2.555	-2.555	0	%100
86	M82	Z	1.475	1.475	0	%100
87	M83	X	-10.221	-10.221	0	%100
88	M83	Z	5.901	5.901	0	%100
89	M84	X	-10.221	-10.221	0	%100
90	M84	Z	5.901	5.901	0	%100
91	M85	X	-2.555	-2.555	0	%100
92	M85	Z	1.475	1.475	0	%100
93	M86	X	-2.555	-2.555	0	%100
94	M86	Z	1.475	1.475	0	%100
95	LV	X	-2.605	-2.605	0	%100
96	ĹV	Z	1.504	1.504	0	%100
97	M96	X	-10.419	-10.419	0	%100
98	M96	Z	6.016	6.016	0	%100
99	M102	X	-2.605	-2.605	0	%100
100	M102	Z	1.504	1.504	0	%100
101	M109	X	-13,755	-13.755	0	%100
102	M109	Z	7.941	7.941	0	%100
103	M110	X	-3.439	-3.439	00	%100
104	M110	Z	1.985	1.985	0	%100
105	M111	X	-3.439	-3.439	0	%100
106	M111	Z	1.985	1.985	0	%100
107	M112	X	-1.513	-1.513	0	%100
108	M112	Z	.874	.874	0	%100
109	M113	X	-12.831	-12.831	0	%100
110	M113	Z	7.408	7.408	0	%100
111	M114	X	-8.74	-8.74	0	%100
112	M114	Z	5.046	5.046	0	%100
113	M115	X	-8.74	-8.74	0	%100
114	M115	Z	5.046	5.046	0	%100
115	M116	X	-12.831	-12.831	0	%100
116	M116	Z	7.408	7.408	0	%100
117	M117	X	-1.513	-1.513	0	%100
118	M117	Z	.874	.874	0	%100

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

Add the Labor	Direction	Start Magnitude[lb/ft.	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
Member Label M40	Y	-12.23	-12.23	0	%100
1 10140		12.1.0			

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

2	Member Label M40	Direction		.End Magnitude[lb/ft,F.,		End Location[ft,%]
3	M41	X	-3.057	0	0	%100
4	M41	Z	-3.037	-3.057	0	%100
5	M42	X	-3.057	-3.057	0	%100
6	M42	Ž	-3.057		0	%100
7	M43	X	-11.857	0	0	%100
8	M43	Ž		-11.857	0	%100
9	M37A	X	0	0	0	%100
10	M37A	Ž	0	0	0	%100
11	M38A	X	-8.852	0	0	%100
12	M38A	Ž	-8.852	-8.852	0	%100
13	M39A	X	-8.852	0	0	%100
14	M39A	Z		-8.852	0	%100
15	MP5A	X	-9.939	0	0	%100
16	MP5A	Î	-9.939	-9.939	0	%100
17	MP4A			0 000	0	%100
18	MP4A	Z	-9.939	-9.939	0	%100
19	MP3A	X	0 000	0	0	%100
20	MP3A		-9.939	-9.939	0	%100
21	MP2A	Z	0 000	0	0	%100
22	MP2A	Ž	-9.939	-9.939	0	%100
23	MP1A		0 000	0	0	%100
24	MP1A	X	-9.939	-9.939	0	%100
25	MP5C	Z X	0 000	0	0	%100
26	MP5C		-9.939	-9.939	0	%100
27		Z	0	0	0	%100
28	MP4C MP4C	Z	-9.939	-9.939	0	%100
29	MP3C		0	0	0	%100
30		X	-9.939	-9.939	0	%100
31	MP3C	Z	0	0	0	%100
32	MP2C	X	-9.939	-9.939	0	%100
33	MP2C	Z	0	0	0	%100
34	MP1C MP1C	Z	-9.939	-9.939	0	%100
35			0	0	0	%100
36	MP5B	X	-9.939	-9.939	0	%100
37	MP5B MP4B	Z	0	0	0	%100
38	MP4B	X	-9.939	-9.939	0	%100
39	MP3B	Z	0	0	0	%100
40		X	-9.939	-9.939	0	%100
41	MP3B MP2B	Z	0	0	0	%100
42		X	-9.939	-9.939	0	%100
43	MP2B	Z	0	0	0	%100
44	MP1B MD1B	X	-9.939	-9.939	0	%100
45	MP1B	Z	0	0	0	%100
	M61	X	-3.057	-3.057	0	%100
46	M61	Z	0	0	0	%100
	M62	X	-14.174	-14.174	0	%100
48	M62	Z	0 540	0	0	%100
49	M63	X	-3.543	-3.543	0	%100
50	M63	Z	0	0	0	%100
51 52	M57	X	-3.543	-3.543	0	%100
	M57	Z	0 540	0	0	%100
53	M58	X	-3.543	-3.543	0	%100
54	M58	Z	0	0	0	%100
55	M59	X	-3.543	-3.543	0	%100
56	M59	Z	0	0	0	%100
57	M60	X	-14.174	-14.174	0	%100
58	M60	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,% %100
59	M61A	X	-9.881	-9.881	0	%100 %100
60	M61A	Z	0	0	0	
31	M63A	X	-9.881	-9.881	0	%100
32	M63A	Z	0	0	0	%100
33	M72A	X	0	0	0	%100
64	M72A	Z	0	0	0	%100
35	M71A	X	-2.368	-2.368	0	%100
66	M71A	Z	0	0	0	%100
37	M72B	X	-2.368	-2.368	0	%100
88	M72B	Z	0	0	0	%100
	M74A	X	-9.057	-9.057	0	%100
70	M74A	Z	0	0	0	%100
	M69	X	-2.47	-2.47	0	%100
71	M69	Z	0	0	0	%100
72	M71	X	-2.47	-2.47	0	%100
73	M71	Ž	0	0	0	%100
74	M75A	X	-2.47	-2.47	0	%100
75		Ž	0	0	0	%100
76	M75A	X	-2.47	-2.47	0	%100
77	M77A	Ž	0	0	0	%100
78	M77A	X	-2.964	-2.964	0	%100
79	M79A	Ž	0	0	0	%100
30	M79A	X	-2.964	-2.964	. 0	%100
31	M80B	Ž	0	0	0	%100
32	M80B		0	0	0	%100
33	M81	X Z	0	0	0	%100
34	M81		0	0	0	%100
35	M82	X	0	Ö	0	%100
36	M82	Z	-8.852	-8.852	0	%100
87	M83	X	-6.652	0	0	%100
88	M83	Z	-8.852	-8.852	0	%100
89	M84	X	-6.652	0	0	%100
90	M84	Z	-8.852	-8.852	0	%100
91	M85	X		0	0	%100
92	M85	Z	0	-8.852	0	%100
93	M86	X	-8.852	0	0	%100
94	M86	Z	0	0	0	%100
95	LV	X	0	0	0	%100
96	LV	Z	0	-9.024	0	%100
97	M96	X	-9.024		0	%100
98	M96	Z	0	0 0004	0	%100
99	M102	X	-9.024	-9.024	0	%100 %100
00	M102	Z	0	0	0	%100 %100
01	M109	X	-11.912	-11.912	0	%100
102	M109	Z	0	0	0	%100
103	M110	X	-11.912	-11.912	0	%100 %100
104	M110	Z	0	0	0	%100
105	M111	X	0	0	0	%100 %100
106	M111	Z	0	0	0	%100
107	M112	X	-7.679	-7.679		%100
108	M112	Z	0	0	0	%100 %100
109	M113	X	-7.679	-7.679	0	%100 %100
110	M113	Z	0	0	0	
111	M114	X	-2.954	-2.954	0	%100
112	M114	Z	0	0	0	%100
113	M115	X	-16.023	-16.023	0	%100
114	M115	Z	0	0	0	%100
115	M116	X	-16.023	-16.023	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,%]
116	M116	Z	0	0	0	%100
117	M117	X	-2.954	-2.954	0	%100
118	M117	Z	0	0	0	%100

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

	nber Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft.%]
	M40	X	-7.944	-7.944	0	%100
	M40	Z	-4.586	-4.586	0	%100
	M41	X	-7.944	-7.944	0	%100
	M41	Z	-4.586	-4.586	0	%100
	M42	X	0	0	0	%100
	M42	Z	0	0	0	%100
	M43	X	-7.701	-7.701	0	%100
	M43	Z	-4.446	-4.446	0	%100
	//37A	X	-2.555	-2.555	0	%100
	//37A	Z	-1.475	-1.475	0	%100
	//38A	X	-2.555	-2.555	0	%100
12 N	//38A	Z	-1.475	-1.475	Ö	%100
	//39A	X	-10.221	-10.221	0	%100
	/139A	Z	-5.901	-5.901	0	%100 %100
15 N	1P5A	X	-8.607	-8.607	0	%100 %100
16 N	1P5A	Z	-4.969	-4.969	Ö	%100 %100
	1P4A	X	-8.607	-8.607	0	%100 %100
18 N	1P4A	Z	-4.969	-4.969	Ö	%100 %100
19 N	1P3A	X	-8.607	-8.607	Ö	%100 %100
20 N	1P3A	Z	-4.969	-4.969	Ö	%100 %100
21 N	1P2A	X	-8.607	-8.607	0	%100 %100
	1P2A	Z	-4.969	-4.969	0	%100 %100
	1P1A	X	-8.607	-8.607	0	%100 %100
	1P1A	Z	-4.969	-4.969	0	%100 %100
	IP5C	X	-8.607	-8.607	0	%100 %100
	P5C	Z	-4.969	-4.969	0	%100
	IP4C	X	-8.607	-8.607	0	%100 %100
	IP4C	Z	-4.969	-4.969	0	%100 %100
	P3C	X	-8.607	-8.607	0	%100 %100
	P3C	Z	-4.969	-4.969	0	%100
	P2C	X	-8.607	-8.607	0	%100 %100
	P2C	Z	-4.969	-4.969	0	%100 %100
	P1C	X	-8.607	-8.607	0	%100 %100
	P1C	Z	-4.969	-4.969	0	%100 %100
	IP5B	X	-8.607	-8.607	0	%100 %100
	IP5B	Z	-4.969	-4.969	0	%100 %100
	IP4B	X	-8.607	-8.607	0	%100 %100
	IP4B	Z	-4.969	-4.969	0	%100 %100
	IP3B	X	-8.607	-8.607	0	%100 %100
	P3B	Z	-4.969	-4.969	0	%100 %100
	P2B	X	-8.607	-8.607	0	%100 %100
	P2B	Z	-4.969	-4.969	0	%100 %100
	P1B	X	-8.607	-8.607	0	%100 %100
	P1B	Z	-4.969	-4.969	0	%100 %100
	//61	X	0	0	0	%100 %100
	<i>I</i> /61	Z	0	0	0	
	<i>1</i> 62	X	-9.206	-9.206	0	%100 %100
	162	Z	-5.315	-5.315	0	%100 %100
	//63	X	-9.206	-9.206	0	%100 %100
	/163	Z	-5.315	-5.315	0	%100
119			-0.010	-3.315	U	%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,% %100
51	M57	X	-9.206	-9.206	0	%100 %100
2	M57	Z	-5.315	-5.315	0	%100 %100
3	M58	X	0	0	0	%100 %100
4	M58	Z	0	0	0	%100 %100
55	M59	X	0	0	0	%100 %100
6	M59	Z	0	0	0	%100 %100
7	M60	X	-9.206	-9,206	0	%100 %100
8	M60	Z	-5.315	-5.315	0	%100 %100
9	M61A	X	-6.418	-6.418	0	%100 %100
60	M61A	Z	-3.705	-3.705	0	%100 %100
61	M63A	X	-6.418	-6.418	0	%100 %100
2	M63A	Z	-3.705	-3.705	0	%100 %100
33	M72A	X	684	684	0	%100 %100
34	M72A	Z	-,395	395	0	%100 %100
55	M71A	X	684	684	0	%100 %100
66	M71A	Z	395	395	0	%100 %100
57	M72B	X	-2.735	-2.735	0	%100 %100
88	M72B	Z	-1.579	-1.579	0	%100 %100
9	M74A	X	-7.844	-7.844	0	%100 %100
70	M74A	Z	-4.529	-4.529	0	%100 %100
71	M69	X	-6.418	-6.418	0	%100 %100
72	M69	Z	-3.705	-3.705	0	%100
73	M71	X	-6.418	-6.418	0	%100 %100
74	M71	Z	-3.705	-3.705	0	%100 %100
75	M75A	X	0	0	0	%100
76	M75A	Z	0	0	0	%100 %100
77	M77A	X	0	0		%100 %100
78	M77A	Z	0	0	0	%100 %100
79	M79A	X	-7.701	-7.701	0	%100 %100
30	M79A	Z	-4.446	-4.446	0	%100 %100
31	M80B	X	0	0		%100 %100
32	M80B	Z	0	0	0	%100 %100
33	M81	X	-2.555	-2.555		%100 %100
84	M81	Z	-1.475	-1.475	0	%100 %100
85	M82	X	-2.555	-2.555	0	%100 %100
86	M82	Z	-1.475	-1.475	0	%100 %100
87	M83	X	-2.555	-2.555	0	%100
88	M83	Z	-1.475	-1.475	0	%100 %100
89	M84	X	-2.555	-2.555	0	%100 %100
90	M84	Z	-1.475	-1.475	0	%100 %100
91	M85	X	-10.221	-10.221	0	%100 %100
92	M85	Z	-5.901	-5.901	0	%100 %100
93	M86	X	-10.221	-10.221	0	%100
94	M86	Z	-5.901	-5.901		%100 %100
95	LV	X	-2.605	-2.605	0	%100 %100
96	LV	Z	-1.504	-1.504	0	%100 %100
97	M96	X	-2.605	-2.605	0	%100
98	M96	Z	-1.504	-1.504		%100
99	M102	X	-10.419	-10.419	0	%100
00	M102	Z	-6.016	-6.016		%100
01	M109	X	-3.439	-3.439	0	%100
02	M109	Z	-1.985	-1.985	0	%100 %100
103	M110	X	-13.755	-13.755	0	%100
104	M110	Z	-7.941	-7.941	0	%100 %100
105	M111	X	-3.439	-3.439		%100
106	M111	Z	-1.985	-1.985	0	%100 %100
107	M112	X	-12.831	-12.831		/0100



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

	Member Label	Direction	Start Magnitudellb/ft	End Magnitude[lb/ft,F	Start Location(ft %)	End Location[ft,%]
108	M112	Z	-7.408	-7.408	0	%100
109	M113	X	-1.513	-1.513	0	%100 %100
110	M113	Z	874	874	0	%100 %100
111	M114	X	-1.513	-1.513	0	%100 %100
112	M114	Z	874	874	0	%100 %100
113	M115	X	-12.831	-12.831	0	%100 %100
114	M115	Z	-7.408	-7.408	0	%100 %100
115	M116	X	-8.74	-8.74	n	%100 %100
116	M116	Z	-5.046	-5.046	0	%100 %100
117	M117	X	-8.74	-8.74	0	%100 %100
118	M117	Z	-5.046	-5.046	0	%100 %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	M40	X	-1.529	-1.529	0	%100
2	M40	Z	-2.648	-2.648	0	%100
3	M41	X	-6.115	-6.115	0	%100
4	M41	Z	-10.591	-10.591	0	%100
5	M42	X	-1.529	-1.529	0	%100
6	M42	Z	-2.648	-2.648	0	%100
7	M43	X	-1.482	-1.482	0	%100
8	M43	Z	-2.567	-2.567	0	%100
9	M37A	X	-4.426	-4.426	0	%100
10	M37A	Z	-7.666	-7.666	0	%100
11	M38A	X	0	0	0	%100
12	M38A	Z	0	0	0	%100
13	M39A	X	-4.426	-4.426	0	%100
14	M39A	Z	-7.666	-7.666	0	%100
15	MP5A	X	-4.969	-4.969	0	%100
16	MP5A	Z	-8.607	-8.607	0	%100
17	MP4A	X	-4.969	-4.969	0	%100
18	MP4A	Z	-8.607	-8.607	0	%100
19	MP3A	X	-4.969	-4.969	Ö	%100
20	MP3A	Z	-8.607	-8.607	Ö	%100
21	MP2A	X	-4.969	-4.969	0	%100 %100
22	MP2A	Z	-8.607	-8.607	0	%100
23	MP1A	X	-4.969	-4.969	Ö	%100 %100
24	MP1A	Z	-8.607	-8.607	0	%100
25	MP5C	X	-4.969	-4.969	0	%100 %100
26	MP5C	Z	-8.607	-8.607	Ö	%100 %100
27	MP4C	X	-4.969	-4.969	0	%100 %100
28	MP4C	Z	-8.607	-8.607	0	%100 %100
29	MP3C	X	-4.969	-4.969	0	%100 %100
30	MP3C	Z	-8.607	-8.607	0	%100 %100
31	MP2C	X	-4.969	-4.969	0	%100 %100
32	MP2C	Z	-8.607	-8.607	0	%100 %100
33	MP1C	X	-4.969	-4.969	0	%100 %100
34	MP1C	Z	-8.607	-8.607	0	%100 %100
35	MP5B	X	-4.969	-4.969	0	%100 %100
36	MP5B	Z	-8.607	-8.607	0	%100 %100
37	MP4B	X	-4.969	-4.969	0	
38	MP4B	7	-8.607	-8.607	0	%100 %100
39	MP3B	X	-4.969	-4.969	0	
40	MP3B	Z	-8.607	-8.607	0	%100 %100
41	MP2B	X	-4.969	-4.969	0	%100 %100
42	MP2B	Z	-8.607	-8.607	0	%100 %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.% %100
3	MP1B	X	-4.969	-4.969	0	%100
4	MP1B	Z	-8.607	-8.607		%100 %100
5	M61	X	-1.529	-1.529	0	%100
6	M61	Z	-2.648	-2.648	0	%100
7	M62	X	-1.772	-1.772	0	
8	M62	Z	-3.069	-3.069	0	%100 %100
9	M63	X	-7.087	-7.087	0	%100 %100
50	M63	Z	-12.275	-12.275	0	%100 %100
51	M57	X	-7.087	-7.087	0	
2	M57	Z	-12.275	-12.275	0	%100
53	M58	X	-1.772	-1.772	0	%100
54	M58	Z	-3.069	-3.069	0	%100
55	M59	X	-1.772	-1.772	0	%100
6	M59	Z	-3.069	-3.069	0	%100
57	M60	X	-1.772	-1.772	0	%100
58	M60	Z	-3.069	-3.069	0	%100
9	M61A	X	-1.235	-1.235	0	%100
00	M61A	Z	-2.139	-2.139	0	%100
61	M63A	X	-1.235	-1.235	0	%100
52	M63A	Z	-2.139	-2.139	0	%100
	M72A	X	-1.184	-1.184	0	%100
33 34	M72A	Z	-2.051	-2.051	0	%100
	M71A	X	0	0	0	%100
35	M71A	Z	0	0	0	%100
66	M72B	X	-1.184	-1.184	0	%100
37		Z	-2.051	-2.051	0	%100
88	M72B	X	-4.529	-4.529	0	<u>%100</u>
9	M74A	Z	-7.844	-7.844	0	%100
70	M74A	X	-4.94	-4.94	0	%100
71	M69	Z	-8.557	-8.557	0	%100
72	M69	X	-4.94	-4.94	0	%100
73	M71	Ž	-8.557	-8.557	0	%100
74	M71	X	-1.235	-1.235	0	%100
75	M75A	Z	-2.139	-2.139	0	%100
76	M75A		-1.235	-1.235	0	%100
77	M77A	X	-2.139	-2.139	0	%100
78	M77A	Z	-5.928	-5.928	0	%100
79	M79A	X	-10.268	-10.268	0	%100
30	M79A	Z		-1.482	0	%100
31	M80B	X	-1.482 -2.567	-2.567	0	%100
32	M80B	Z		-4.426	0	%100
33	M81	X	-4.426 -7.666	-7.666	0	%100
34	M81	Z		-4.426	0	%100
35	M82	X	-4.426	-7.666	0	%100
36	M82	Z	-7,666		0	%100
37	M83	X	0	0	0	%100
38	M83	Z	0	0	0	%100
39	M84	X	0	0	0	%100
90	M84	Z	0	0	0	%100 %100
91	M85	X	-4.426	-4.426	0	%100
92	M85	Z	-7.666	-7.666		%100 %100
93	M86	X	-4.426	-4.426	0	%100
94	M86	Z	-7.666	-7.666	0	%100 %100
95	LV	X	-4.512	-4.512	0	
96	LV	Z	-7.815	-7.815	0	%100 %100
97	M96	X	0	0	0	%100
98	M96	Z	0	0	0	%100
99	M102	X	-4.512	-4.512	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 LocationIft %1	End Location[ft,%]
100	M102	Z	-7.815	-7.815	0	%100
101	M109	X	0	0	0	%100
102	M109	Z	0	0	0	%100
103	M110	X	-5.956	-5.956	0	%100
104	M110	Z	-10.316	-10.316	0	%100
105	M111	X	-5.956	-5.956	0	%100
106	M111	Z	-10.316	-10.316	Ö	%100
107	M112	X	-8.011	-8.011	0	%100
108	M112	Z	-13.876	-13.876	0	%100
109	M113	X	-1.477	-1.477	0	%100
110	M113	Z	-2.559	-2.559	0	%100
111	M114	X	-3.839	-3.839	0	%100 %100
112	M114	Z	-6.65	-6.65	0	%100
113	M115	X	-3.839	-3.839	0	%100 %100
114	M115	Z	-6.65	-6.65	Ö	%100 %100
115	M116	X	-1.477	-1.477	Ö	%100 %100
116	M116	Z	-2.559	-2.559	Ö	%100 %100
117	M117	X	-8.011	-8.011	0	%100 %100
118	M117	Z	-13.876	-13.876	0	%100 %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	M40	X	0	0	0	%100
2	M40	Z	0	0	0	%100
3	M41	X	0	0	0	%100
4	M41	Z	-2.858	-2.858	0	%100
5	M42	X	0	0	0	%100
6	M42	Z	-2.858	-2.858	Ŏ	%100
7	M43	X	0	0	0	%100
8	M43	Z	0	Ö	0	%100
9	M37A	X	0	0	0	%100 %100
10	M37A	Z	-3.743	-3.743	0	%100 %100
11	M38A	X	0	0.740	0	%100 %100
12	M38A	Z	936	936	0	%100 %100
13	M39A	X	0	500	0	%100
14	M39A	Z	936	936	0	%100
15	MP5A	X	0	930	0	%100 %100
16	MP5A	Z	-3.413	-3.413	0	%100 %100
17	MP4A	X	0.410	-3.413	0	%100 %100
18	MP4A	Z	-3.413	-3.413	0	%100 %100
19	MP3A	X	0.410	-5.413	0	%100 %100
20	MP3A	Z	-3.413	-3.413	0	%100 %100
21	MP2A	X	0.410	0	0	%100 %100
22	MP2A	Z	-3.413	-3.413	0	
23	MP1A	X	0	-5.415	0	%100
24	MP1A	Z	-3.413	-3.413	0	%100
25	MP5C	X	0	-3.413	0	%100
26	MP5C	Z	-3.413	-3.413	0	%100
27	MP4C	X	-5.415	-5.415	0	%100
28	MP4C	Z	-3.413	-3.413		%100
29	MP3C	X	-3.413	-3.413	0	%100
30	MP3C	7	-3.413		0	%100
31	MP2C	X	-3.413	-3.413	0	%100
32	MP2C	7		0	0	%100
33	MP1C	X	-3.413	-3.413	0	%100
34	MP1C	Z		0	0	%100
U-T	WIL TO		-3.413	-3.413	0	%100



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

	Member Label	Direction		End Magnitude[lb/ft,F.,	0	End Location[ft,% %100
35	MP5B	X	0	0	0	%100 %100
36	MP5B	Z	-3.413	-3.413	0	%100 %100
37	MP4B	X	0	0		%100 %100
38	MP4B	Z	-3.413	-3.413	0	%100 %100
39	MP3B	X	0	0	0	%100 %100
10	MP3B	Z	-3.413	-3.413	0	
11	MP2B	X	0	0	0	<u>%100</u>
12	MP2B	Z	-3.413	-3.413	0	%100
13	MP1B	X	0	0	0	%100
14	MP1B	Z	-3.413	-3.413	0	%100
15	M61	X	0	0	0	%100
16	M61	Z	-2.858	-2.858	0	%100
17	M62	X	0	0	0	%100
18	M62	Z	0	0	0	%100
19	M63	X	0	0	0	%100
50	M63	Z	-2.873	-2.873	0	%100
	M57	X	0	0	0	%100
51	M57	Z	-2.873	-2.873	0	%100
	M58	X	0	0	0	%100
53		Z	-2.873	-2.873	0	%100
54	M58	X	0	0	0	%100
55	M59	Z	-2.873	-2.873	0	%100
56	M59	X	0	0	0	%100
57	M60	Ž	Ö	0	0	%100
58	M60	X	Ö	0	0	%100
59	M61A		0	0	0	%100
30	M61A	Z	Ö	0	0	%100
31	M63A	X	0	Ŏ	0	%100
62	M63A	Z	0	0	0	%100
63	M72A	X	-1.67	-1.67	Ŏ	%100
64	M72A	Z		0	ő	%100
65	M71A	X	0	417	Ö	%100
66	M71A	Z	417	0	0	%100
67	M72B	X	0	417	ő	%100
68	M72B	Z	417		0	%100
69	M74A	X	0	-3.124	0	%100
70	M74A	Z	-3.124		0	%100
71	M69	X	0	0	0	%100
72	M69	Z	-2.117	-2.117	0	%100
73	M71	X	0	0	0	%100
74	M71	Z	-2.117	-2.117		%100
75	M75A	X	0	0	0	
76	M75A	Z	-2.117	-2.117	0	%100 %100
77	M77A	X	0	0	0	
78	M77A	Z	-2.117	-2.117	0	%100 %100
79	M79A	X	0	0	0	
80	M79A	Z	-2.799	-2.799	0	%100
81	M80B	X	0	0	0	%100
82	M80B	Z	-2.799	-2.799	0	%100
83	M81	X	0	0	0	%100
84	M81	Z	-3.743	-3.743	0	%100
85	M82	X	0	0	0	%100
86	M82	Z	-3.743	-3.743	0	%100
87	M83	X	0	0	0	%100
	M83	Z	936	936	0	%100
88	M84	X	0	0	0	%100
89		Ž	936	936	0	%100
90	M84 M85	X	0	0	0	%100

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

	Member Label	Direction	Start MagnitudeIlb/ft	End Magnitude[lb/ft,F	Start Location[ft %]	End Location[ft,%]
92	M85	Z	936	936	0	%100
93	M86	X	0	0	0	%100
94	M86	Z	936	936	0	%100
95	LV	X	0	0	0	%100
96	LV	Z	-3.776	-3.776	0	%100
97	M96	X	0	0	0	%100
98	M96	Z	944	944	0	%100
99	M102	X	0	0	0	%100
100	M102	Z	944	944	0	%100
101	M109	X	0	0	0	%100 %100
102	M109	Z	-1.022	-1.022	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	-1.022	-1.022	0	%100
105	M111	X	0	0	0	%100 %100
106	M111	Z	-4.089	-4.089	0	%100 %100
107	M112	X	0	1.000	0	%100 %100
108	M112	Z	-2.755	-2.755	Ö	%100 %100
109	M113	X	0	1 0	0	%100 %100
110	M113	Z	-2.755	-2.755	ő	%100 %100
111	M114	X	0	0	Ö	%100 %100
112	M114	Z	-4.044	-4.044	Ŏ	%100 %100
113	M115	X	0	0	0	%100
114	M115	Z	477	477	0	%100 %100
115	M116	X	0	0	0	%100 %100
116	M116	Z	477	477	0	%100 %100
117	M117	X	0		0	%100 %100
118	M117	Z	-4.044	-4.044	0	%100 %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	M40	X	.476	.476	0	%100
2	M40	Z	825	825	0	%100
3	M41	X	.476	.476	0	%100
4	M41	Z	825	825	0	%100
5	M42	X	1.905	1.905	0	%100
6	M42	Z	-3.3	-3.3	0	%100
7	M43	X	.466	.466	0	%100
8	M43	Z	808	808	0	%100
9	M37A	X	1.404	1.404	0	%100 %100
10	M37A	Z	-2.431	-2.431	0	%100
11	M38A	X	1.404	1,404	0	%100
12	M38A	Z	-2.431	-2.431	0	%100
13	M39A	X	0	0	0	%100 %100
14	M39A	Z	0	0	0	%100
15	MP5A	X	1.706	1.706	0	%100
16	MP5A	Z	-2.955	-2.955	0	%100
17	MP4A	X	1.706	1.706	0	%100 %100
18	MP4A	Z	-2.955	-2.955	Ö	%100 %100
19	MP3A	X	1.706	1.706	0	%100 %100
20	MP3A	Z	-2.955	-2.955	0	%100 %100
21	MP2A	X	1.706	1.706	0	%100 %100
22	MP2A	Z	-2.955	-2.955	0	%100 %100
23	MP1A	X	1.706	1.706	0	%100 %100
24	MP1A	Z	-2.955	-2.955	0	%100 %100
25	MP5C	X	1.706	1.706	0	%100 %100
26	MP5C	Z	-2.955	-2.955	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,%
27	MP4C	X	1.706	1.706	0	%100
28	MP4C	Z	-2.955	-2.955	0	%100
29	MP3C	X	1.706	1.706	00	%100
30	MP3C	Z	-2.955	-2.955	0	%100
31	MP2C	X	1.706	1.706	0	%100
	MP2C	Ž	-2.955	-2.955	0	%100
32	MP1C	X	1.706	1.706	0	%100
33	MP1C	Ž	-2.955	-2.955	0	%100
34		X	1.706	1.706	0	%100
35	MP5B	Ž	-2.955	-2.955	0	%100
36	MP5B	X	1.706	1.706	0	%100
37	MP4B	Z	-2.955	-2.955	0	%100
38	MP4B	X	1.706	1.706	0	%100
39	MP3B	Z	-2.955	-2.955	0	%100
10	MP3B	X	1.706	1.706	0	%100
11	MP2B		-2.955	-2.955	0	%100
12	MP2B	Z	1.706	1.706	0	%100
13	MP1B	Z	-2.955	-2.955	0	%100
14	MP1B		1.905	1.905	Ŏ	%100
15	M61	X	-3.3	-3.3	Ŏ	%100
16	M61	Z	.479	.479	Ŏ	%100
17	M62	X	829	829	Ŏ	%100
18	M62	Z		.479	Ö	%100
19	M63	X	.479	829	0	%100
50	M63	Z	829	.479	Ö	%100
51	M57	X	.479	829	0	%100
52	M57	Z	829	1.915	0	%100
53	M58	X	1.915		0	%100
54	M58	Z	-3.317	-3.317	0	%100
55	M59	X	1.915	1.915	0	%100
56	M59	Z	-3.317	-3.317	0	%100
57	M60	X	.479	.479	0	%100
58	M60	Z	829	829	0	%100
59	M61A	X	.353	.353	0	%100
60	M61A	Z	611	611	0	%100
61	M63A	X	.353	.353		%100 %100
62	M63A	Z	611	611	0	%100
63	M72A	X	.626	.626	0	%100 %100
64	M72A	Z	-1.084	-1.084	0	%100 %100
65	M71A	X	.626	.626	0	%100 %100
66	M71A	Z	-1.084	-1.084	0	%100 %100
67	M72B	X	0	0	0	
68	M72B	Z	0	0	0	%100 %100
69	M74A	X	1.562	1.562	0	%100
70	M74A	Z	-2.706	-2.706	0	%100
71	M69	X	.353	.353	0	%100
72	M69	Z	611	611	0	%100
73	M71	X	.353	.353	0	%100
74	M71	Z	611	611	0	%100
75	M75A	X	1.412	1.412	0	%100
76	M75A	Z	-2.445	-2.445	0	%100
	M77A	X	1.412	1.412	0	%100
77	M77A	Z	-2.445	-2.445	0	%100
78		X	.466	.466	0	%100
79	M79A	Z	808	808	0	%100
80	M79A	X	1.866	1.866	0	%100
81	M80B	Ž	-3.232	-3.232	0	%100
82	M80B	X	1.404	1.404	0	%100
83	M81		1.707	1		Page 131



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,%]
84	M81	Z	-2.431	-2.431	0	%100
85	M82	X	1.404	1.404	0	%100
86	M82	Z	-2.431	-2.431	0	%100
87	M83	X	1.404	1.404	0	%100
88	M83	Z	-2,431	-2.431	0	%100
89	M84	X	1.404	1.404	Ö	%100
90	M84	Z	-2.431	-2.431	0	%100
91	M85	X	0	0	0	%100
92	M85	Z	0	0	0	%100
93	M86	X	0	0	0	%100
94	M86	Z	0	Ů Ů	Ō	%100
95	LV	X	1.416	1.416	0	%100 %100
96	LV	Z	-2.453	-2.453	0	%100 %100
97	M96	X	1.416	1.416	0	%100 %100
98	M96	Z	-2.453	-2.453	0	%100 %100
99	M102	X	0	0	Ö	%100
100	M102	Z	0	Ŏ	Ö	%100 %100
101	M109	X	1.533	1.533	0	%100 %100
102	M109	Z	-2.656	-2.656	Ö	%100 %100
103	M110	X	0	0	0	%100 %100
104	M110	Z	0	o l	Ŏ	%100
105	M111	X	1.533	1.533	Ö	%100 %100
106	M111	Z	-2.656	-2.656	Ŏ	%100 %100
107	M112	X	.403	.403	Ö	%100 %100
108	M112	Z	698	698	Ö	%100
109	M113	X	2.187	2.187	0	%100 %100
110	M113	Z	-3.787	-3.787	ő	%100
111	M114	X	2.187	2.187	0	%100 %100
112	M114	Z	-3.787	-3.787	Ö	%100 %100
113	M115	X	.403	.403	0	%100 %100
114	M115	Z	698	698	Ö	%100 %100
115	M116	X	1.048	1.048	0	%100 %100
116	M116	Z	-1.815	-1.815	0	%100 %100
117	M117	X	1.048	1.048	0	%100 %100
118	M117	Z	-1.815	-1.815	0	%100 %100

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

	Member Label	Direction	Start MagnitudeIlb/ft	End Magnitude[lb/ft,F	Start Location(ft %)	End Location[ft,%]
1	M40	X	2.475	2.475	0	%100
2	M40	Z	-1,429	-1.429	0	%100
3	M41	X	0	0	0	%100
4	M41	Z	0	0	0	%100 %100
5	M42	X	2,475	2.475	0	%100
6	M42	Z	-1.429	-1.429	0	%100
7	M43	X	2,424	2.424	0	%100 %100
8	M43	Z	-1.399	-1.399	0	%100
9	M37A	X	.81	.81	0	%100
10	M37A	Z	468	468	0	%100 %100
11	M38A	X	3.241	3,241	0	%100 %100
12	M38A	Z	-1.871	-1.871	0	%100 %100
13	M39A	X	.81	.81	0	%100 %100
14	M39A	Z	468	468	0	%100 %100
15	MP5A	X	2.955	2.955	0	%100 %100
16	MP5A	Z	-1.706	-1.706	0	%100 %100
17	MP4A	X	2.955	2.955	0	%100 %100
18	MP4A	Z	-1.706	-1.706	Ö	%100 %100



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

	Member Label	Direction		End Magnitude[lb/ft,F	Start Location[tt,%]	End Location[ft,% %100
19	MP3A	<u> </u>	2.955	2.955	0	%100 %100
20	MP3A	Z	-1.706	-1.706	0	%100 %100
21	MP2A	X	2.955	2.955 -1.706	0	%100
22	MP2A	Z	-1.706	2.955	0	%100 %100
23	MP1A	X	2.955	-1.706	0	%100
24	MP1A	Z	-1.706		0	%100
25	MP5C	X	2.955	2.955 -1.706	0	%100
26	MP5C	Z	-1.706	2.955	0	%100 %100
27	MP4C	X	2.955		0	%100
28	MP4C	Z	-1.706	-1.706 2.955	0	%100 %100
29	MP3C	X	2.955	-1.706	0	%100
30	MP3C	Z	-1.706	2.955	0	%100
31	MP2C	X	2.955	-1.706	0	%100
32	MP2C	Z	-1.706	2.955	0	%100
33	MP1C	<u> </u>	2.955	-1.706	0	%100
34	MP1C	Z	-1.706	2.955	0	%100
35	MP5B	X	2.955	-1.706	0	%100
36	MP5B	Z	-1.706	2.955	0	%100 %100
37	MP4B	X	2.955	-1.706	0	%100
38	MP4B	Z	-1.706	2.955	0	%100
39	MP3B	X	2.955	-1.706	0	%100
10	MP3B	Z	-1.706	2.955	0	%100
11	MP2B	X	2.955	-1.706	0	%100
12	MP2B	Z	-1.706	2.955	0	%100
13	MP1B	X	2.955	-1.706	0	%100
14	MP1B	Z	-1.706	2.475	0	%100
45	M61	X	2.475	-1.429	0	%100
16	M61	Z	-1.429	2.488	0	%100
17	M62	X	2.488	-1.436	0	%100
48	M62	Z	-1.436	-1.430	0	%100
19	M63	X	0	0	0	%100
50	M63	Z	0	0	0	%100
51	M57	X	0	0	0	%100
52	M57	Z	0	2.488	0	%100
53	M58	<u> </u>	2.488	-1.436	0	%100
54	M58	Z	-1.436		0	%100
55	M59	X	2.488	2.488 -1.436	0	%100 %100
56	M59	Z	-1.436	2.488	0	%100 %100
57	M60	X	2.488	-1.436	0	%100
58	M60	Z	-1.436	1.834	0	%100
59	M61A	X	1.834	-1.059	0	%100
60	M61A	Z	-1.059	1.834	0	%100
31	M63A	X	1.834	-1.059	0	%100
62	M63A	Z	-1.059	.361	0	%100 %100
63	M72A	X	.361	209	0	%100 %100
64	M72A	Z	209	1.446	0	%100
35	M71A	X	1.446	835	0	%100
66	M71A	Z	835	.361	0	%100 %100
67	M72B	X	.361		0	%100 %100
68	M72B	Z	209	209 2.706	0	%100
69	M74A	X	2.706		0	%100
70	M74A	Z	-1.562	-1.562	0	%100
71	M69	X	0	0	0	%100 %100
72	M69	Z	0	0	0	%100 %100
73	M71	X	0	0	0	%100
74	M71	Z	0	1.834	0	%100
75	M75A	X	1.834	1.634		70100



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

[70]	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
76	M75A	Z	-1.059	-1.059	0	%100
77	M77A	X	1.834	1.834	0	%100
78	M77A	Z	-1.059	-1.059	0	%100
79	M79A	X	0	0	0	%100
80	M79A	Z	0	0	0	%100
81	M80B	X	2.424	2.424	0	%100
82	M80B	Z	-1.399	-1.399	0	%100
83	M81	X	.81	.81	0	%100
84	M81	Z	468	468	0	%100
85	M82	X	.81	.81	0	%100
86	M82	Z	468	468	0	%100
87	M83	X	3.241	3.241	0	%100
88	M83	Z	-1.871	-1.871	0	%100
89	M84	X	3.241	3.241	0	%100
90	M84	Z	-1.871	-1.871	Ō	%100
91	M85	X	.81	.81	Ō	%100
92	M85	Z	468	468	Ŏ	%100
93	M86	X	.81	.81	0	%100
94	M86	Z	468	468	0	%100
95	LV	X	.818	.818	0	%100
96	LV	Z	472	472	Ö	%100
97	M96	X	3.27	3.27	0	%100
98	M96	Z	-1.888	-1.888	Ó	%100
99	M102	X	.818	.818	Ö	%100
100	M102	Z	472	472	0	%100
101	M109	X	3.541	3.541	0	%100
102	M109	Z	-2.045	-2.045	Ŏ	%100
103	M110	X	.885	.885	Ö	%100
104	M110	Z	511	511	Ŏ	%100
105	M111	X	.885	.885	Õ	%100
106	M111	Z	511	511	Ö	%100
107	M112	X	.413	.413	Ö	%100
108	M112	Z	238	238	0	%100
109	M113	X	3.502	3.502	0	%100
110	M113	Z	-2.022	-2.022	Ö	%100 %100
111	M114	X	2.386	2.386	0	%100 %100
112	M114	Z	-1.377	-1.377	0	%100
113	M115	X	2.386	2.386	0	%100
114	M115	Z	-1.377	-1.377	0	%100
115	M116	X	3.502	3.502	0	%100 %100
116	M116	Z	-2.022	-2.022	0	%100 %100
117	M117	X	.413	.413	0	%100 %100
118	M117	Z	238	238	Ö	%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	M40	X	3.81	3.81	0	%100
2	M40	Z	0	0	0	%100
3	M41	X	.953	.953	0	%100
4	M41	Z	0	0	0	%100
5	M42	X	.953	.953	0	%100
6	M42	Z	0	0	Ô	%100
7	M43	X	3.731	3.731	0	%100
8	M43	Z	0	0	0	%100
9	M37A	X	0	0	0	%100
10	M37A	Z	0	0	0	%100

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

	Member Label	Direction		End Magnitude[lb/ft.F.	Start Location[ft,%]	End Location[ft.%]
11	M38A	X	2.807	2.807	0	%100
12	M38A	Z	0	0	0	%100
13	M39A	X	2.807	2.807	0	%100
14	M39A	Z	0	0	0	%100
15	MP5A	X	3.413	3.413	0	%100
16	MP5A	Z	0	0	0	%100
17	MP4A	X	3.413	3.413	0	%100
18	MP4A	Z	0	0	0	%100
19	MP3A	X	3.413	3.413	0	%100
20	MP3A	Z	0	0	0	%100
21	MP2A	X	3.413	3.413	0	%100
22	MP2A	Z	0	0	0	%100
23	MP1A	X	3.413	3.413	0	%100
24	MP1A	Z	0	0	0	%100
25	MP5C	X	3.413	3.413	0	%100
	MP5C	Z	0	0	0	%100
26 27	MP4C	X	3.413	3.413	0	%100
28	MP4C	Ž	0	0	0	%100
	MP3C	X	3.413	3.413	0	%100
29	MP3C	Z	0	0	0	%100
30	MP2C	X	3.413	3.413	0	%100
31	MP2C	Z	0	0	0	%100
32	MP1C	X	3.413	3.413	0	%100
33	MP1C	Z	0	0	0	%100
34	MP5B	X	3.413	3.413	0	%100
35		Z	0	0	0	%100
36	MP5B	X	3.413	3.413	0	%100
37	MP4B MP4B	Z	0	0	0	%100
38		X	3.413	3.413	0	%100
39	MP3B	Z	0.410	0	0	%100
40	MP3B	X	3.413	3.413	0	%100
41	MP2B	Z	0	0	. 0	%100
42	MP2B	X	3.413	3.413	0	%100
43	MP1B	Z	0	0	0	%100
44	MP1B	X	.953	.953	0	%100
45	M61	Z	0	0	0	%100
46	M61	X	3.83	3.83	0	%100
47	M62	Z	0.00	0	0	%100
48	M62	X	.958	.958	0	%100
49	M63	Z	0	0	0	%100
50	M63	X	.958	.958	0	%100
51	M57	Ž	0	0	0	%100
52	M57	X	.958	.958	0	%100
53	M58	Ž	0	0	0	%100
54	M58	X	.958	.958	0	%100
55	M59	Z	0	0	0	%100
56	M59	X	3.83	3.83	0	%100
57	M60	Z	0	0.00	0	%100
58	M60	X	2.823	2.823	0	%100
59	M61A	Z	0	0	0	%100
60	M61A	X	2.823	2.823	0	%100
61	M63A		0	0	0	%100
62	M63A	Z	0	0	0	%100
63	M72A	Z	0	0	Ö	%100
64	M72A		1.252	1.252	Ö	%100
65	M71A	X	0	0	Ö	%100
66	M71A	Z	1.252	1.252	0	%100
67	M72B	X	1.202	1.606		



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

00 1	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
68	M72B	Z	0	0	0	%100
69	M74A	X	3.124	3.124	0	%100
70	M74A	Z	0	0	0	%100
71	M69	X	.706	.706	0	%100
72	M69	Z	0	0	0	%100
73	M71	X	.706	.706	0	%100
74	M71	Z	0	0	0	%100
75	M75A	X	.706	.706	0	%100
76	M75A	Z	0	0	0	%100
77	M77A	X	.706	.706	0	%100
78	M77A	Z	0	0	0	%100
79	M79A	X	.933	.933	0	%100
80	M79A	Z	0	0	0	%100
81	M80B	X	.933	.933	0	%100
82	M80B	Z	0	0	0	%100
83	M81	X	0	0	0	%100
84	M81	Z	0	0	0	%100
85	M82	X	0	0	0	%100
86	M82	Z	0	0	0	%100
87	M83	X	2.807	2.807	0	%100 %100
88	M83	Z	0	0	Ō	%100
89	M84	X	2.807	2.807	0	%100 %100
90	M84	Z	0	0	Ö	%100
91	M85	X	2.807	2.807	0	%100 %100
92	M85	Z	0	0	Ö	%100
93	M86	X	2.807	2.807	0	%100 %100
94	M86	Z	0	0	Õ	%100 %100
95	LV	X	0	0	Ö	%100 %100
96	LV	Z	0	0	0	%100 %100
97	M96	X	2.832	2.832	0	%100 %100
98	M96	Z	0	0	Ö	%100 %100
99	M102	X	2.832	2.832	0	%100
100	M102	Z	0	0	Ö	%100 %100
101	M109	X	3.067	3.067	0	%100 %100
102	M109	Z	0	0.007	Ö	%100
103	M110	X	3.067	3.067	0	%100 %100
104	M110	Z	0	0.007	0	%100 %100
105	M111	X	0	Ö	ő	%100 %100
106	M111	Z	0	0	0	%100 %100
107	M112	X	2.096	2.096	0	%100 %100
108	M112	Z	0	2.030	0	%100 %100
109	M113	X	2.096	2.096	0	%100
110	M113	Z	0	2.030	0	%100
111	M114	X	.806	.806	0	%100 %100
112	M114	Z	0	0	0	%100 %100
113	M115	X	4.373	4.373	0	%100 %100
114	M115	Z	0	0	0	
115	M116	X	4.373	4.373		%100
116	M116	Z	0		0	%100
	M117	X	.806	.806	0	%100 %100
117						

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	M40	X	2.475	2.475	0	%100
2	M40	Z	1.429	1.429	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[it.76]	End Location[ft,%] %100
3	M41	X	2.475	2.475	0	%100
4	M41	Z	1.429	1.429	0	%100
5	M42	X	0	0		%100
6	M42	Z	0	0	0	%100
7	M43	X	2.424	2.424	0	%100
В	M43	Z	1.399	1.399	0	%100 %100
9	M37A	X	.81	.81	0	%100
0	M37A	Z	.468	.468	0	
1	M38A	X	.81	.81	0	%100
2	M38A	Z	.468	.468	0	%100
3	M39A	X	3.241	3.241	0	%100
4	M39A	Z	1.871	1.871	0	%100
5	MP5A	X	2.955	2.955	0	%100
6	MP5A	Z	1.706	1.706	0	%100
17	MP4A	X	2.955	2.955	00	%100
8	MP4A	Ž	1.706	1.706	0	%100
9	MP3A	X	2.955	2.955	0	%100
20	MP3A	Z	1.706	1.706	0	%100
	MP2A	X	2.955	2.955	0	%100
21	MP2A	Z	1.706	1.706	0	%100
22	MP1A	X	2.955	2.955	0	%100
23		Z	1.706	1.706	0	%100
24	MP1A	X	2.955	2.955	0	%100
25	MP5C	Z	1.706	1.706	0	%100
26	MP5C	X	2.955	2.955	0	%100
27	MP4C		1.706	1.706	0	%100
28	MP4C	X	2.955	2.955	0	%100
29	MP3C	ż	1.706	1.706	0	%100
30	MP3C		2.955	2.955	0	%100
31	MP2C	X	1.706	1.706	0	%100
32	MP2C	Z	2.955	2.955	0	%100
33	MP1C	X	1.706	1.706	0	%100
34	MP1C	Z	2.955	2.955	0	%100
35	MP5B	X	1.706	1.706	0	%100
36	MP5B	Z		2.955	0	%100
37	MP4B	X	2.955	1.706	Ö	%100
38	MP4B	Z	1.706	2.955	Ö	%100
39	MP3B	X	2.955	1.706	0	%100
40	MP3B	Z	1.706	2.955	0	%100
41	MP2B	X	2.955		0	%100
42	MP2B	Z	1.706	1.706	0	%100
43	MP1B	X	2.955	2.955	0	%100 %100
44	MP1B	Z	1.706	1.706	0	%100 %100
45	M61	X	0	0	0	%100
46	M61	Z	0	0	0	%100 %100
47	M62	X	2.488	2.488		%100 %100
48	M62	Z	1.436	1.436	0	%100 %100
49	M63	X	2.488	2.488	0	%100 %100
50	M63	Z	1.436	1.436	0	%100 %100
51	M57	X	2.488	2.488	0	
52	M57	Z	1.436	1.436	0	%100
53	M58	X	0	0	0	%100
54	M58	Z	0	0	0	%100
55	M59	X	0	0	0	%100
56	M59	Z	0	0	0	%100
	M60	X	2.488	2.488	0	%100
57	M60	Z	1.436	1.436	0	%100
58 59	M61A	X	1.834	1.834	0	%100



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

Section Sect		Member Label	Direction	Start Magnitude[lb/ft	.End Magnitude[lb/ft,F	Start Location[ft %]	End Location[ft,%]
Second				1.059			%100
SE			X	1.834		0	%100
State				1.059			%100
64				.361			%100
SS				.209			%100
B66 M71A			X	.361			%100
67 M72B X				.209			%100
68 M72B Z 835 835 0 947 70 M74A X 2.706 0 %61 70 M74A Z 1.562 1.562 0 %1 71 M69 X 1.834 1.834 0 %1 72 M69 Z 1.059 1.059 0 %1 73 M71 X 1.834 1.834 0 %1 74 M71 X 1.834 1.834 0 %1 75 M75A X 0 0 0 %1 75 M75A X 0 0 0 %1 76 M75A Z 0 0 0 %1 77 M77A X 0 0 0 %1 77 M79A X 2.424 2.424 0 %1 80 M79A X 2.424 2.424 <			X				%100
69			Z				%100
TO			X				%100 %100
T1	70	M74A					%100
TZ		M69	X				%100 %100
T3		M69					%100 %100
T4	73	M71					%100 %100
T5	74						
Tell							
T7							%100
T8							
Type			7				%100
80 M79A Z 1.399 1.399 0 %1 81 M80B X 0 0 0 %1 82 M80B Z 0 0 0 %1 83 M81 X 81 81 0 %1 84 M81 Z .468 .468 0 %1 85 M82 X .81 .81 0 %1 86 M82 Z .468 .468 0 %1 87 M83 X .81 .81 0 %1 87 M83 X .81 .81 0 %1 89 M84 X .81 .81 0 %1 90 M84 Z .468 .468 0 %1 91 M85 X 3.241 3.241 0 %1 92 M85 Z 1.871 1.871							%100
81 M80B X 0 0 0 %1 82 M80B Z 0 0 0 %1 83 M81 X 81 81 0 %1 84 M81 X 81 81 0 %1 85 M82 X 81 81 0 %1 86 M82 X 81 81 0 %1 86 M82 Z 468 468 0 %1 87 M83 X 81 81 0 %1 88 M83 Z .468 .468 0 %1 89 M84 X .81 .81 0 %1 90 M84 Z .468 .468 0 %1 91 M85 X 3.241 3.241 0 %1 92 M85 Z 1.877 1.871 1.871			7				%100
82 M80B Z 0 0 %1 83 M81 X 81 81 0 %1 84 M81 Z 468 468 0 %1 85 M82 X 81 81 0 %1 86 M82 Z 468 468 0 %1 87 M83 X 81 81 0 %1 88 M83 Z 468 468 0 %1 89 M84 X 81 81 0 %1 90 M84 X 31 81 0 %1 91 M85 X 3.241 3.241 0 %1 92 M85 Z 1.871 1.871 0 %1 93 M86 X 3.241 3.241 0 %1 92 M85 Z 1.871 1.871 0 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>%100</td></t<>							%100
83 M81 X 81 81 0 %1 84 M81 Z .468 .468 0 %1 85 M82 X .81 .81 0 %1 86 M82 Z .468 .468 0 %1 87 M83 X .81 .81 0 %1 87 M83 X .81 .81 0 %1 89 M84 X .81 .81 0 %1 99 M84 X .81 .81 0 %1 90 M84 Z .468 .468 0 %1 91 M85 X 3.241 3.241 0 %1 92 M85 Z 1.871 1.871 0 %1 92 M86 X 3.241 3.241 0 %1 94 M86 Z 1.871 1.87							%100
84 M81 Z .4688 .468 0 %11 85 M82 X .81 .81 0 %1 86 M82 Z .468 .468 0 %1 87 M83 X .81 .81 0 %1 88 M83 Z .468 .468 0 %1 89 M84 X .81 .81 0 %1 90 M84 Z .468 .468 0 %1 90 M84 Z .468 .468 0 %11 91 M85 X 3.241 3.241 0 %1 92 M85 Z 1.871 1.871 0 %1 93 M86 X 3.241 3.241 0 %1 94 M86 Z 1.871 1.871 0 %1 95 LV X 3.818							%100
85 M82 X .81 .81 0 %11 86 M82 Z .468 .468 .0 %11 87 M83 X .81 .81 0 %11 88 M83 Z .468 .468 0 %11 89 M84 X .81 .81 0 %11 90 M84 Z .468 .468 0 %11 90 M84 Z .468 .468 0 %11 90 M84 Z .468 .468 0 %11 91 M85 X 3.241 3.241 0 %11 92 M85 Z 1.871 1.871 0 %11 93 M86 X 3.241 3.241 0 %11 94 M86 Z 1.871 1.871 0 %11 95 LV X .818<							%100
86 M82 Z .468 .468 0 %11 87 M83 X .81 .81 0 %11 88 M83 Z .468 .468 0 %11 89 M84 X .81 .81 0 %11 90 M84 Z .468 .468 0 %11 90 M84 Z .468 .468 0 %11 91 M85 X 3.241 3.241 0 %11 92 M85 Z 1.871 1.871 0 %11 93 M86 X 3.241 3.241 0 %11 94 M86 Z 1.871 1.871 0 %11 95 LV X .818 .818 0 %11 96 LV Z .472 .472 0 %11 97 M96 X .818<							%100
87 M83 X .81 .81 0 %11 88 M83 Z .468 .468 0 %11 89 M84 X .81 .81 0 %11 90 M84 X .81 .81 0 %11 91 M85 X 3.241 3.241 0 %11 92 M85 Z 1.871 1.871 0 %11 94 M86 X 3.241 3.241 0 %11 95 LV X 818 818 818 0 %11 97 M96 X 818 818 818 0 %11 98 M96							%100
88 M83 Z 468 .468 0 %11 89 M84 X .81 .81 0 %11 90 M84 Z .468 .468 0 %11 91 M85 X 3.241 3.241 0 %11 92 M85 Z 1.871 1.871 0 %11 93 M86 X 3.241 3.241 0 %11 94 M86 Z 1.871 1.871 0 %11 95 LV X .818 .818 0 %11 96 LV Z .472 .472 0 %11 97 M96 X .818 .818 0 %11 99 M102 X 3.27 0 %11 99 M102 X 3.27 0 %11 100 M102 X .885 .885							%100
89 M84 X .81 0 %1 90 M84 Z .468 .468 0 %11 91 M85 X 3.241 3.241 0 %11 92 M85 Z 1.871 1.871 0 %11 93 M86 X 3.241 3.241 0 %11 94 M86 Z 1.871 1.871 0 %11 95 LV X 818 818 0 %11 96 LV Z 472 472 0 %11 97 M96 X 818 818 0 %11 98 M96 Z 472 472 0 %11 99 M102 X 3.27 3.27 0 %11 100 M102 Z 1.888 1.888 0 %11 101 M109 X .885 .885							%100
90 M84 Z 468							%100
91 M85 X 3,241 0 %11 92 M85 Z 1,871 1,871 0 %11 93 M86 X 3,241 3,241 0 %11 94 M86 Z 1,871 1,871 0 %11 95 LV X 8,18 8,18 0 %11 96 LV Z 4,72 4,72 0 %11 97 M96 X 8,18 8,18 0 %11 98 M96 Z 4,72 4,72 0 %11 99 M102 X 3,27 3,27 0 %11 100 M102 Z 1,888 1,888 0 %11 101 M109 X 885 885 0 %11 102 M109 Z 511 511 0 %11 103 M110 X 3,541							%100
92 M85 Z 1.871 1.871 0 %11 93 M86 X 3.241 3.241 0 %11 94 M86 Z 1.871 1.871 0 %11 95 LV X 818 .818 0 %11 96 LV Z .472 .472 0 %11 97 M96 X .818 .818 0 %11 98 M96 Z .472 .472 0 %11 99 M102 X 3.27 3.27 0 %11 100 M102 X 3.885 885 0 %11 101 M109 X 885 885 0 %11 102 M109 Z .511 .511 0 %11 103 M110 X 3.541 3.541 0 %11 104 M110 Z							%100
93 M86 X 3.241 3.241 0 %11 94 M86 Z 1.871 1.871 0 %11 95 LV X 818 818 0 %11 96 LV Z .472 .472 0 %11 97 M96 X .818 .818 0 %11 98 M96 Z .472 .472 0 %11 99 M102 X 3.27 3.27 0 %11 100 M102 Z 1.888 1.888 0 %11 101 M109 X .885 .885 0 %11 102 M109 Z .511 .511 0 %11 103 M110 X 3.541 3.541 0 %11 104 M110 Z 2.045 2.045 0 %11 105 M111 X							%100
94 M86 Z 1.871 0 %11 95 LV X .818 .818 0 %11 96 LV Z .472 .472 0 %11 97 M96 X .818 .818 0 %11 98 M96 Z .472 .472 0 %11 99 M102 X 3.27 0 %11 100 M102 X 3.27 0 %11 101 M109 X .885 .885 0 %11 102 M109 Z .511 .511 0 %11 103 M110 X 3.541 3.541 0 %11 104 M110 Z 2.045 2.045 0 %11 105 M111 X .885 .885 0 %11 106 M111 Z .511 0 %11 <							%100
95 LV X .818 .818 0 %11 96 LV Z .472 .472 0 %11 97 M96 X .818 .818 0 %11 98 M96 Z .472 .472 0 %11 99 M102 X 3.27 3.27 0 %11 100 M102 Z 1.888 1.888 0 %11 101 M109 X .885 .885 0 %11 102 M109 Z .511 .511 0 %11 103 M110 X 3.541 3.541 0 %11 104 M110 Z 2.045 2.045 0 %11 105 M111 X .885 .885 0 %11 106 M111 X .885 .885 0 %11 107 M112 X <td></td> <td></td> <td></td> <td></td> <td></td> <td>0</td> <td>%100</td>						0	%100
96 LV Z .472 .97 .98 M96 X .818 .818 .918 .98 .99 M96 X .818 .818 .918 .99 M96 Z .472 .472 .90 .911 99 M102 X 3.27 3.27 0 .911 100 M102 Z 1.888 1.888 0 .911 101 M109 X .885 .885 0 .911 102 M109 X .885 .885 0 .911 103 M100 X 3.541 3.541 0 .911 103 M110 X 3.541 3.541 0 .911 104 M110 Z 2.045 2.045 0 .911 105 M111 X .885 .885 0 .911 106 M111 Z .511 .511 0 .911						0	%100
96 LV Z .472 .472 .0 %16 97 M96 X .818 .818 0 %16 98 M96 Z .472 .472 0 %11 99 M102 X 3.27 0 %11 100 M102 Z 1.888 1.888 0 %11 101 M109 X .885 .885 0 %11 102 M109 Z .511 .511 0 %11 103 M110 X 3.541 3.541 0 %11 104 M110 Z 2.045 2.045 0 %11 105 M111 X .885 .885 0 %11 105 M111 X .885 .885 0 %11 106 M111 X .885 .885 0 %11 107 M112 X 3.50						0	%100
98 M96 Z .472 .472 0 %10 99 M102 X 3.27 3.27 0 %10 100 M102 Z 1.888 1.888 0 %11 101 M109 X .885 .885 0 %11 102 M109 Z .511 .511 0 %11 103 M110 X 3.541 3.541 0 %11 104 M110 Z 2.045 2.045 0 %11 105 M111 X .885 .885 0 %11 106 M111 Z .511 .511 0 %11 107 M112 X 3.502 3.502 0 %11 108 M112 Z 2.022 2.022 0 %11 109 M133 X .413 .413 0 %16 110 M114							%100
98 M96 Z .472 .472 0 %10 99 M102 X 3.27 3.27 0 %10 100 M102 Z 1.888 1.888 0 %10 101 M109 X .885 .885 0 %10 102 M109 Z .511 .511 0 %10 103 M110 X 3.541 3.541 0 %10 104 M110 X 3.541 3.541 0 %10 105 M111 X .885 .885 0 %10 105 M111 X .885 .885 0 %10 106 M111 Z .511 .511 0 %10 107 M112 X 3.502 3.502 0 %10 108 M112 Z 2.022 2.022 0 %10 109 M133						0	%100
99 M102 X 3.27 3.27 0 %10 100 M102 Z 1.888 1.888 0 %10 101 M109 X 885 .885 0 %10 102 M109 Z .511 .511 0 %10 103 M110 X 3.541 3.541 0 %10 104 M110 Z 2.045 2.045 0 %10 105 M111 X .885 .885 0 %10 105 M111 X .885 .885 0 %10 106 M111 Z .511 .511 0 %10 107 M112 X 3.502 3.502 0 %10 108 M112 X 3.502 3.502 0 %10 109 M13 X .413 .413 0 %10 110 M113						0	%100
100 M102 Z 1.888 1.888 0 %10 101 M109 X .885 .885 0 %10 102 M109 Z .511 .511 0 %10 103 M110 X 3.541 3.541 0 %10 104 M110 Z 2.045 2.045 0 %10 105 M111 X .885 .885 0 %10 106 M111 Z .511 .511 0 %10 107 M112 X 3.502 3.502 0 %10 108 M112 Z 2.022 2.022 0 %10 109 M113 X .413 .413 0 %10 110 M113 Z .238 .238 0 %10 111 M114 X .413 .413 0 %10 112 M114						0	%100
101 M109 X .885 .885 0 %10 102 M109 Z .511 .511 0 %10 103 M110 X 3.541 3.541 0 %10 104 M110 Z 2.045 2.045 0 %10 105 M111 X .885 .885 0 %10 106 M111 Z .511 .511 0 %10 107 M112 X 3.502 3.502 0 %10 108 M112 Z 2.022 2.022 0 %10 109 M113 X .413 .413 0 %10 110 M113 Z .238 .238 0 %10 111 M114 X .413 .413 0 %10 112 M114 Z .238 .238 0 %10 113 M115						0	%100
102 M109 Z .511 0 %10 103 M110 X 3.541 3.541 0 %10 104 M110 Z 2.045 2.045 0 %10 105 M111 X .885 .885 0 %10 106 M111 Z .511 .511 0 %10 107 M112 X 3.502 3.502 0 %10 108 M112 Z 2.022 2.022 0 %10 109 M113 X .413 .413 0 %10 110 M113 Z .238 .238 0 %10 111 M114 X .413 .413 0 %10 112 M114 Z .238 .238 0 %10 113 M115 X 3.502 3.502 0 %10 114 M115 X			X	.885		0	%100
103 M110 X 3.541 3.541 0 %10 104 M110 Z 2.045 2.045 0 %10 105 M111 X .885 .885 0 %10 106 M111 Z .511 .511 0 %10 107 M112 X 3.502 3.502 0 %10 108 M112 Z 2.022 2.022 0 %10 109 M113 X .413 .413 0 %10 110 M113 Z .238 .238 0 %10 111 M114 X .413 .413 0 %10 112 M114 Z .238 .238 0 %10 113 M115 X 3.502 3.502 0 %10 114 M115 Z 2.022 2.022 0 %10 115 M116			Z		.511	0	%100
104 M110 Z 2.045 2.045 0 %10 105 M111 X .885 .885 0 %10 106 M111 Z .511 .511 0 %10 107 M112 X 3.502 3.502 0 %10 108 M112 Z 2.022 2.022 0 %10 109 M113 X .413 .413 0 %10 110 M113 Z .238 .238 0 %10 111 M114 X .413 .413 0 %10 112 M114 Z .238 .238 0 %10 113 M115 X 3.502 3.502 0 %10 114 M115 Z 2.022 2.022 0 %10 115 M116 X 2.386 2.386 0 %10							%100
105 M111 X .885 .885 0 %11 106 M111 Z .511 .511 0 %11 107 M112 X 3.502 3.502 0 %11 108 M112 Z 2.022 2.022 0 %11 109 M113 X .413 .413 0 %11 110 M113 Z .238 .238 0 %10 111 M114 X .413 .413 0 %10 112 M114 Z .238 .238 0 %10 113 M115 X 3.502 3.502 0 %10 114 M115 Z 2.022 2.022 0 %10 115 M116 X 2.386 2.386 0 %10							%100
106 M111 Z .511 .511 0 %10 107 M112 X 3.502 3.502 0 %10 108 M112 Z 2.022 2.022 0 %10 109 M113 X .413 .413 0 %10 110 M113 Z .238 .238 0 %10 111 M114 X .413 .413 0 %10 112 M114 Z .238 .238 0 %10 113 M115 X 3.502 3.502 0 %10 114 M115 Z 2.022 2.022 0 %10 115 M116 X 2.386 2.386 0 %10			X				%100
107 M112 X 3.502 3.502 0 %10 108 M112 Z 2.022 2.022 0 %10 109 M113 X .413 .413 0 %10 110 M113 Z .238 .238 0 %10 111 M114 X .413 .413 0 %10 112 M114 Z .238 .238 0 %10 113 M115 X 3.502 3.502 0 %10 114 M115 Z 2.022 2.022 0 %10 115 M116 X 2.386 2.386 0 %10				.511			%100
108 M112 Z 2.022 2.022 0 %10 109 M113 X .413 .413 0 %10 110 M113 Z .238 .238 0 %10 111 M114 X .413 .413 0 %10 112 M114 Z .238 .238 0 %10 113 M115 X 3.502 3.502 0 %10 114 M115 Z 2.022 2.022 0 %10 115 M116 X 2.386 2.386 0 %10			X	3.502	3.502		%100
109 M113 X .413 .413 0 .816 110 M113 Z .238 .238 0 .816 111 M114 X .413 .413 0 .816 112 M114 Z .238 .238 0 .816 113 M115 X 3.502 3.502 0 .816 114 M115 Z 2.022 2.022 0 .816 115 M116 X 2.386 2.386 0 .816			Z				%100 %100
110 M113 Z .238 .238 0 %10 111 M114 X .413 .413 0 %10 112 M114 Z .238 .238 0 %10 113 M115 X 3.502 3.502 0 %10 114 M115 Z 2.022 2.022 0 %10 115 M116 X 2.386 2.386 0 %10			X				%100 %100
111 M114 X .413 .413 0 .413 112 M114 Z .238 .238 0 .413 113 M115 X 3.502 3.502 0 .410 114 M115 Z 2.022 2.022 0 .410 115 M116 X 2.386 2.386 0 .410			Z	.238	.238		%100 %100
112 M114 Z .238 .238 0 %10 113 M115 X 3.502 3.502 0 %10 114 M115 Z 2.022 2.022 0 %10 115 M116 X 2.386 2.386 0 %10 15 M116 X 2.386 2.386 0 %10			X				%100 %100
113 M115 X 3.502 3.502 0 %10 114 M115 Z 2.022 2.022 0 %10 115 M116 X 2.386 2.386 0 %10			Z				
114 M115 Z 2.022 2.022 0 %10 115 M116 X 2.386 2.386 0 %10	113						
115 M116 X 2.386 2.386 0 %10			Z				
2.300 2.300 0 %							
	116	M116	Z				%100 %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,%]
447	M117	X	2.386	2.386	0	%100
118	M117	7	1.377	1.377	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	M40	X	.476	.476	0	%100
2	M40	Z	.825	.825	0	%100
3	M41	X	1.905	1.905	0	%100
4	M41	Z	3.3	3.3	0	%100
5	M42	X	.476	.476	0	%100
6	M42	Z	.825	.825	0	%100
7	M43	X	.466	.466	0	%100
8	M43	Z	.808	.808	0	%100
9	M37A	X	1.404	1.404	0	%100
10	M37A	Z	2.431	2.431	0	%100
11	M38A	X	0	0	0	%100
12	M38A	Z	0	0	0	%100
13	M39A	X	1.404	1.404	0	%100
14	M39A	Z	2.431	2.431	0	%100
15	MP5A	X	1.706	1.706	0	%100
16	MP5A	Z	2.955	2.955	0	%100
17	MP4A	X	1.706	1.706	0	%100
18	MP4A	Z	2.955	2.955	0	%100
19	MP3A	X	1.706	1.706	0	%100
20	MP3A	Z	2.955	2.955	0	%100
21	MP2A	X	1.706	1.706	00	%100
22	MP2A	Z	2.955	2.955	0	%100
23	MP1A	X	1.706	1.706	0	%100
24	MP1A	Z	2.955	2.955	0	%100
25	MP5C	X	1.706	1.706	00	%100
26	MP5C	Z	2.955	2.955	0	%100
27	MP4C	X	1.706	1.706	0	%100
28	MP4C	Z	2.955	2.955	0	%100
29	MP3C	X	1.706	1.706	0	%100
30	MP3C	Z	2.955	2.955	0	%100
31	MP2C	X	1.706	1.706	0	%100
32	MP2C	Z	2.955	2.955	0	%100
33	MP1C	X	1.706	1.706	0	%100
34	MP1C	Z	2.955	2.955	0	%100
35	MP5B	X	1.706	1.706	0	%100
36	MP5B	Z	2.955	2.955	0	%100
37	MP4B	X	1.706	1.706	0	%100
38	MP4B	Z	2.955	2.955	0	%100
39	MP3B	X	1.706	1.706	0	%100
40	MP3B	Z	2.955	2.955	0	%100
41	MP2B	X	1.706	1.706	0	%100
42	MP2B	Z	2.955	2.955	0	%100
43	MP1B	X	1.706	1.706	0	%100
44	MP1B	Z	2.955	2.955	0	%100
45	M61	X	.476	.476	00	%100
46	M61	Ž	.825	.825	0	%100
47	M62	X	.479	.479	0	%100
48	M62	Z	.829	.829	0	%100
49	M63	X	1.915	1.915	0	%100
50	M63	Z	3.317	3.317	0	%100
51	M57	X	1.915	1.915	0	%100



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

	Member Label	Direction	Start MagnitudeIlb/ft	.End Magnitude[lb/ft,F.,	Start Location[ft.%]	End Location[ft.%]
52	M57	Z	3.317	3.317	0	%100
53	M58	X	.479	.479	0	%100
54	M58	Z	.829	.829	0	%100
55	M59	X	.479	.479	0	%100
56	M59	Z	.829	.829	0	%100
57	M60	X	.479	.479	0	%100
58	M60	Z	.829	.829	0	%100
59	M61A	X	.353	.353	0	%100
60	M61A	Z	.611	.611	0	%100
61	M63A	X	.353	.353	0	%100
62	M63A	Z	.611	.611	0	%100
63	M72A	X	.626	.626	0	%100
64	M72A	Z	1.084	1.084	Ö	%100
65	M71A	X	0	0	0	%100 %100
66	M71A	Z	0	0	Ö	%100 %100
67	M72B	X	.626	.626	0	%100 %100
68	M72B	Z	1.084	1.084	Ö	%100
69	M74A	X	1,562	1.562	0	%100 %100
70	M74A	Z	2.706	2.706	0	%100
71	M69	X	1.412	1.412	0	%100
72	M69	Z	2.445	2.445	0	%100 %100
73	M71	X	1.412	1.412	0	%100 %100
74	M71	Z	2.445	2.445	0	%100 %100
75	M75A	X	.353	.353	0	%100 %100
76	M75A	Z	.611	.611	0	%100 %100
77	M77A	X	.353	.353	0	
78	M77A	Z	.611	.611	0	<u>%100</u>
79	M79A	X	1.866	1.866	0	%100
80	M79A	Z	3.232	3.232	0	%100 %400
81	M80B	X	.466	.466		%100
82	M80B	Z	.808	.808	0	%100
83	M81	X	1.404	1.404	0	%100
84	M81	Z	2.431	2.431	0	%100
85	M82	X	1.404		0	%100
86	M82	Z	2.431	1.404	0	%100
87	M83	X	2.431	2.431	0	%100
88	M83	Z	0	0	0	%100
89	M84	X	0	0	0	%100
90	M84	Z	0	0	0	%100
91	M85	X		0	0	%100
92	M85	Ž	1.404	1.404	0	%100
93	M86	X	2.431	2.431	0	%100
94	M86		1.404	1.404	0	%100
95	LV	Z X	2.431	2.431	0	%100
96	LV		1.416	1.416	0	%100
97	M96	Z	2.453	2.453	0	%100
98	M96	X	0	0	0	%100
		Z	0	0	0	%100
99	M102	X	1.416	1.416	0	%100
100	M102 M109	Z	2.453	2.453	0	%100
		X	0	0	0	%100
102	M109	Z	0	0	0	%100
103	M110	X	1.533	1.533	0	%100
104	M110	Z	2.656	2.656	0	%100
105	M111	X	1.533	1.533	0	%100
106	M111	Z	2.656	2.656	0	%100
107	M112	X	2.187	2.187	0	%100
108	M112	Z	3.787	3.787	0	%100

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

		Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
c	Member Label	Direction	.403	.403	0	%100
109	M113	Λ			Ŏ	%100
110	M113	Z	.698	.698	U	
	M114	X	1.048	1.048	0	%100
111		7	1.815	1.815	0	%100
112	M114			1.048	0	%100
113	M115	X	1.048		0	The state of the s
114	M115	7	1.815	1.815	0	%100
		Y	.403	.403	0	%100
115	M116			.698	0	%100
116	M116		.698		0	%100
117	M117	X	2.187	2.187	0	
118	M117	Z	3.787	3.787	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	M40	X	0	0	0	%100
2	M40	Z	0	0	0	%100
3	M41	X	0	0	0	%100
4	M41	Z	2.858	2.858	0	%100
5	M42	X	0	0	Q	%100
6	M42	Z	2.858	2.858	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	0	0	0	%100
9	M37A	X	0	0	0	%100
10	M37A	Z	3.743	3.743	0	%100
1	M38A	X	0	0	0	%100
2	M38A	Z	.936	.936	0	%100
13	M39A	X	0	0	0	%100
	M39A	Z	.936	.936	0	%100
5	MP5A	X	0	0	0	%100
	MP5A	Ž	3,413	3.413	0	%100
6	MP4A	X	0	0	0	%100
7	MP4A MP4A	Z	3.413	3.413	0	%100
8		X	0.110	0	0	%100
19	MP3A MP3A	Z	3.413	3.413	0	%100
20		X	0	0	0	%100
21	MP2A	Z	3.413	3.413	0	%100
22	MP2A	X	0	0	0	%100
23	MP1A	Z	3.413	3.413	0	%100
24	MP1A	X	0	0	0	%100
25	MP5C	Ž	3,413	3.413	0	%100
26	MP5C	X	0	0	0	%100
27	MP4C		3.413	3.413	0	%100
28	MP4C	X	0	0.710	0	%100
29	MP3C	Z	3.413	3.413	0	%100
30	MP3C		0	0.410	0	%100
31	MP2C	X	3.413	3.413	0	%100
32	MP2C	Z	0	0	0	%100
33	MP1C	X	3.413	3.413	0	%100
34	MP1C	Z	0	0	0	%100
35	MP5B	X	3.413	3.413	0	%100
36	MP5B	Z		0	0	%100
37	MP4B	X	0	3.413	0	%100
38	MP4B	Z	3.413		0	%100 %100
39	MP3B	X	0	0	0	%100 %100
40	MP3B	Z	3.413	3.413	0	%100 %100
41	MP2B	X	0	0	0	%100 %100
42	MP2B	Z	3.413	3.413	0	%100 %100
43	MP1B	X	0	0	L U	70100



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,%]
44	MP1B	Z	3.413	3.413	0	%100
45	M61	X	0	0	0	%100
46	M61	Z	2.858	2.858	0	%100
47	M62	X	0	0	0	%100
48	M62	Z	0	0	0	%100
49	M63	X	0	0	Ō	%100
50	M63	Z	2.873	2.873	0	%100
51	M57	X	0	0	Ö	%100
52	M57	Z	2.873	2.873	0	%100
53	M58	X	0	0	0	%100
54	M58	Z	2.873	2.873	0	%100
55	M59	X	0	0	0	%100
56	M59	Z	2.873	2.873	0	%100
57	M60	X	0	0	0	%100 %100
58	M60	Z	0	Ů Ů	0	%100
59	M61A	X	0	0	0	%100
60	M61A	Z	0	Ö	Ö	%100 %100
61	M63A	X	0	Ŏ	0	%100 %100
62	M63A	Z	0	0	0	%100
63	M72A	X	0	Ö	0	%100 %100
64	M72A	Z	1.67	1.67	o o	%100 %100
65	M71A	X	0	0	0	%100 %100
66	M71A	Z	.417	.417	Ö	%100 %100
67	M72B	X	0	0	0	%100 %100
68	M72B	Z	.417	.417	Ö	%100 %100
69	M74A	X	0	0	Ö	%100 %100
70	M74A	Z	3.124	3.124	Ö	%100
71	M69	X	0	0	Ö	%100 %100
72	M69	Z	2.117	2.117	Ö	%100 %100
73	M71	X	0	0	0	%100 %100
74	M71	Z	2.117	2.117	Ö	%100 %100
75	M75A	X	0	0	0	%100 %100
76	M75A	Z	2.117	2.117	Ö	%100 %100
77	M77A	X	0	0	0	%100 %100
78	M77A	Z	2.117	2.117	0	%100 %100
79	M79A	X	0	0	0	%100 %100
80	M79A	Z	2.799	2.799	0	%100 %100
81	M80B	X	0	0	0	%100 %100
82	M80B	Z	2.799	2.799	0	%100 %100
83	M81	X	0	0	0	%100 %100
84	M81	Z	3.743	3.743	0	%100 %100
85	M82	X	0	0.740	0	%100 %100
86	M82	Z	3.743	3.743	Ö	%100 %100
87	M83	X	0.740	0	0	%100 %100
88	M83	Z	.936	.936	0	%100 %100
89	M84	X	0	.550	0	%100
90	M84	Z	.936	.936	0	%100
91	M85	X	0	0	0	%100 %100
92	M85	Z	.936	.936	0	%100 %100
93	M86	X	0	.930	0	%100 %100
94	M86	Z	.936	.936	0	%100 %100
95	LV	X	0	.930	0	%100 %100
96	ĹV	Z	3.776	3.776	0	%100 %100
97	M96	X	0	0	0	
98	M96	Z	.944	.944	0	%100 %100
99	M102	X	.944	.944	0	%100 %100
100	M102	Z	.944	.944	0	%100 %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,%]
404	M109	X	0	0	0	%100
101		7	1.022	1.022	0	%100
102	M109	X	1.022	0	0	%100
103	M110	7	1.022	1.022	0	%100
104	M110		1.022	0	0	%100
105	M111	X	1 222		0	%100
106	M111	Z	4.089	4.089	0	%100 %100
107	M112	X	0	0	U	
108	M112	Z	2.755	2.755	0	%100
109	M113	X	0	0	00	%100
110	M113	7	2.755	2.755	0	%100
111	M114	X	0	0	0	%100
	M114	7	4.044	4.044	0	%100
112		X	1.01.	0	0	%100
113	M115	Z	.477	.477	0	%100
114	M115	- Z	0	0	0	%100
115	M116			.477	0	%100
116	M116	Z	.477		0	%100
117	M117	X	0	0		%100
118	M117	Z	4.044	4.044	0	/6100

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

	Member Label	Direction		.End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
4 1	M40	X	476	476	0	%100
1	M40	Z	.825	.825	0	%100
2		X	476	476	0	%100
3	M41	Z	.825	.825	0	%100
4	M41	X	-1.905	-1.905	0	%100
5	M42	7	3.3	3.3	0	%100
6	M42	X	466	466	0	%100
7	M43	Ž	.808	.808	0	%100
8	M43	X	-1,404	-1.404	0	%100
9	M37A	Z	2.431	2.431	Ō	%100
10	M37A		-1.404	-1.404	0	%100
11	M38A	X	2.431	2.431	ŏ	%100
12	M38A	Z	2.431	0	Ö	%100
13	M39A	X	0	0	0	%100
14	M39A	Z		-1.706	0	%100
15	MP5A	X	-1.706	2.955	Ö	%100
16	MP5A	Z	2.955		0	%100
17	MP4A	X	-1.706	-1.706	0	%100
18	MP4A	Z	2.955	2.955	0	%100 %100
19	MP3A	X	-1.706	-1.706	0	%100 %100
20	MP3A	Z	2.955	2.955		%100 %100
21	MP2A	X	-1.706	-1.706	0	%100 %100
22	MP2A	Z	2.955	2.955	0	%100 %100
23	MP1A	X	-1.706	-1.706	0	%100 %100
24	MP1A	Z	2.955	2.955	0	
25	MP5C	X	-1.706	-1.706	0	%100
26	MP5C	Z	2.955	2.955	0	%100
27	MP4C	X	-1.706	-1.706	0	%100
28	MP4C	Z	2.955	2.955	0	%100
29	MP3C	X	-1.706	-1.706	0	%100
30	MP3C	Z	2.955	2.955	0	%100
31	MP2C	X	-1.706	-1.706	0	%100
32	MP2C	Z	2.955	2.955	0	%100
33	MP1C	X	-1.706	-1.706	0	%100
34	MP1C	Z	2.955	2.955	0	%100
35	MP5B	X	-1.706	-1.706	0	%100

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

	Member Label	Direction		End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
36	MP5B	Z	2.955	2.955	0	%100
37	MP4B	X	-1.706	-1.706	0	%100
38	MP4B	Z	2.955	2.955	0	%100
39	MP3B	X	-1.706	-1.706	0	%100
40	MP3B	Z	2.955	2.955	0	%100
41	MP2B	X	-1.706	-1.706	0	%100
42	MP2B	Z	2.955	2.955	0	%100
43	MP1B	X	-1.706	-1.706	0	%100
44	MP1B	Z	2.955	2.955	0	%100
45	M61	X	-1.905	-1.905	0	%100
46	M61	Z	3.3	3.3	0	%100
47	M62	X	479	479	0	%100
48	M62	Z	.829	.829	0	%100 %100
49	M63	X	479	479	0	%100 %100
50	M63	Z	.829	.829	0	%100
51	M57	X	479	479	0	%100 %100
52	M57	Z	.829	.829		
53	M58	X	-1.915	-1.915	0	%100
54	M58	Ž	3.317	3.317	0	%100
55	M59	X			0	%100
56	M59	Ž	-1.915 3.317	-1.915	0	%100
57	M60			3.317	0	%100
58	M60	X	479	-,479	0	%100
59	M61A	Z	.829	.829	0	%100
60		X	353	353	0	%100
	M61A	Z	.611	.611	0	%100
61	M63A	X	353	353	0	%100
62	M63A	Z	.611	.611	.0	%100
63	M72A	X	626	626	0	%100
64	M72A	Z	1.084	1.084	0	%100
65	M71A	X	626	626	0	%100
66	M71A	Z	1.084	1.084	0	%100
67	M72B	X	0	0	0	%100
68	M72B	Z	0	0	0	%100
69	M74A	X	-1.562	-1.562	0.	%100
70	M74A	Z	2.706	2.706	0	%100
71	M69	X	353	353	0	%100
72	M69	Z	.611	.611	0	%100
73	M71	X	353	353	0	%100
74	M71	Z	.611	.611	0	%100
75	M75A	X	-1.412	-1.412	0	%100
76	M75A	Z	2.445	2.445	0	%100
77	M77A	X	-1.412	-1.412	0	%100
78	M77A	Z	2.445	2.445	0	%100
79	M79A	X	466	466	0	%100 %100
80	M79A	Z	.808	.808.	Ö	%100 %100
81	M80B	X	-1.866	-1.866	Ö	%100 %100
82	M80B	Z	3.232	3.232	Ö	%100 %100
83	M81	X	-1.404	-1.404	0	%100 %100
84	M81	Z	2.431	2.431	0	%100
85	M82	X	-1.404	-1.404	0	%100 %100
86	M82	Z	2.431	2.431	0	%100 %100
87	M83	X	-1,404	-1.404	0	%100 %100
88	M83	Z	2.431			
89	M84	X	-1.404	2,431	0	%100
90	M84	Z		-1.404	0	%100
91	M85		2.431	2.431	0	%100
92	M85	Z	0	0	0	%100
32	COIVI		0	0	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,%]
02	M86	X	0	0	0	%100
93	M86	7	0	0	0	%100
94	LV	X	-1.416	-1.416	0	%100
95		Z	2.453	2.453	0	%100
96	LV	X	-1.416	-1.416	0	%100
97	M96	+	2.453	2.453	0	%100
98	M96		0	0	0	%100
99	M102	X	0	0	Ŏ	%100
100	M102	Z		-1.533	0	%100
101	M109	X	-1.533	2.656	0	%100
102	M109	Z	2.656	2.030	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	0		0	%100
105	M111	X	-1.533	-1.533	0	%100
106	M111	Z	2.656	2.656		%100 %100
107	M112	X	403	403	0	%100 %100
108	M112	Z	.698	.698	0	
109	M113	X	-2.187	-2.187	0	%100
110	M113	Z	3.787	3.787	0	%100
111	M114	X	-2.187	-2.187	0	%100
112	M114	Z	3.787	3.787	0	%100
113	M115	X	403	403	00	%100
114	M115	7	.698	.698	0	%100
	M116	X	-1.048	-1.048	0	%100
115	M116	7	1.815	1.815	0	%100
116	M117	X	-1.048	-1.048	0	%100
117	M117	Z	1.815	1.815	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,%]
4		X	-2.475	-2.475	0	%100
1	M40 M40	7	1.429	1.429	0	%100
2		X	0	0	0	%100
3	M41	7	O O	0	0	%100
4	M41	X	-2.475	-2.475	0	%100
5	M42	7	1,429	1.429	0	%100
6	M42	X	-2.424	-2.424	0	%100
7	M43	Z	1.399	1.399	0	%100
8	M43	X	81	81	0	%100
9	M37A	7	468	.468	0	%100
10	M37A		-3.241	-3.241	0	%100
11	M38A	Z	1.871	1.871	0	%100
12	M38A		-,81	81	0	%100
13	M39A	X Z	.468	.468	Ö	%100
14	M39A		-2.955	-2.955	0	%100
15	MP5A	X	1.706	1.706	Õ	%100
16	MP5A	Z		-2.955	0	%100
17	MP4A	X	-2.955	1.706	0	%100
18	MP4A	Z	1.706	-2.955	0	%100
19	MP3A	<u>X</u>	-2.955	1.706	Ö	%100
20	MP3A	Z	1.706		0	%100
21	MP2A	X	-2.955	-2.955	Ö	%100
22	MP2A	Z	1.706	1.706	0	%100
23	MP1A	X	-2.955	-2.955	0	%100
24	MP1A	Z	1.706	1.706	0	%100
25	MP5C	X	-2.955	-2.955	0	%100
26	MP5C	Z	1.706	1.706	0	%100 %100
27	MP4C	X	-2.955	-2.955	0	/0100



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

28 29 30 31 32 33 34 35 36 37	MP4C MP3C MP3C MP2C MP2C MP1C MP1C	Z X Z X	1.706 -2.955 1.706	End Magnitude(lb/ft,F 1,706 -2,955	0	## End Location[ft,%]
30 31 32 33 34 35 36 37	MP3C MP2C MP2C MP1C MP1C	Z X	1.706	-2.955	0	
31 32 33 34 35 36 37	MP2C MP2C MP1C MP1C	X				
32 33 34 35 36 37	MP2C MP1C MP1C		0	1.706	0	%100
33 34 35 36 37	MP1C MP1C	Z	-2.955	-2.955	0	%100
34 35 36 37	MP1C		1.706	1.706	0	%100
35 36 37		X	-2.955	-2.955	0	%100
36 37		Z	1.706	1.706	0	%100
37	MP5B	X	-2.955	-2.955	0	%100
	MP5B	Z	1.706	1.706	0	%100
00	MP4B	X	-2.955	-2.955	Ō	%100
38	MP4B	Z	1.706	1.706	0	%100
39	MP3B	X	-2.955	-2.955	0	%100
40	MP3B	Z	1.706	1.706	Ö	%100 %100
41	MP2B	X	-2.955	-2.955	0	%100 %100
42	MP2B	Z	1.706	1.706	Ö	%100
43.	MP1B	X	-2.955	-2.955	0	%100 %100
44	MP1B	Z	1.706	1.706	Ö	%100 %100
45	M61	X	-2.475	-2.475	0	%100 %100
46	M61	Z	1.429	1.429	Ö	%100 %100
47	M62	X	-2.488	-2.488	0	%100 %100
48	M62	Z	1.436	1.436	Ö	%100 %100
49	M63	X	0	0	0	%100
50	M63	Z	Ö	Ö	0	%100
51	M57	X	Ö	0	0	%100 %100
52	M57	Z	Ö	0	0	%100 %100
53	M58	X	-2.488	-2.488	0	%100
54	M58	Z	1.436	1.436	0	%100 %100
55	M59	X	-2.488	-2.488	0	%100 %100
56	M59	Z	1.436	1.436	0	%100 %100
57	M60	X	-2.488	-2.488	0	%100 %100
58	M60	Z	1.436	1.436	0	%100 %100
59	M61A	X	-1.834	-1.834	0	%100 %100
60	M61A	Z	1.059	1.059	Ö	%100 %100
61	M63A	X	-1.834	-1.834	0	%100 %100
62	M63A	Z	1.059	1.059	0	%100
63	M72A	X	361	361	0	%100 %100
64	M72A	Z	.209	.209	0	%100
65	M71A	X	-1.446	-1.446	0	%100 %100
66	M71A	Z	.835	.835	0	%100 %100
67	M72B	X	361	361	0	%100 %100
68	M72B	Z	.209	209	0	%100
69	M74A	X	-2.706	-2.706	0	%100
70	M74A	Z	1.562	1.562	0	%100
71	M69	X	0	0	0	%100 %100
72	M69	Z	0	0	0	%100
73	M71	X	0	0	0	%100 %100
74	M71	Z	0	0	0	%100 %100
75	M75A	X	-1.834	-1.834	0	%100 %100
76	M75A	Z	1.059	1.059	0	%100 %100
77	M77A	X	-1.834	-1.834	0	%100 %100
78	M77A	Z	1.059	1.059	0	%100 %100
79	M79A	X	0	0	0	
80	M79A	Ž	0	0	0	%100 %100
81	M80B	X	-2.424	-2.424	0	%100
82	M80B	Z	1.399	1.399	0	%100 %100
83	M81	X	81	81		%100 %100
84	M81	Z	.468	.468	0	%100 %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,%]
85	M82	X	81	81	0	%100
86	M82	Z	.468	.468	0	%100
	M83	X	-3.241	-3.241	0	%100
87	M83	Z	1.871	1.871	0	%100
88	M84	X	-3.241	-3.241	0	%100
89		Z	1.871	1.871	0	%100
90	M84	X	81	81	0	%100
91	M85	Z	.468	.468	0	%100
92	M85	X	81	81	0	%100
93	M86	Ž	.468	.468	0	%100
94	M86		818	818	0	%100
95	LV	X	.472	.472	0	%100
96	LV	Z	-3.27	-3.27	0	%100
97	M96	X		1.888	0	%100
98	M96	Z	1.888	818	0	%100
99	M102	X	818	472	0	%100
100	M102	Z	.472	-3.541	0	%100
101	M109	X	-3.541		0	%100
102	M109	Z	2.045	2.045	0	%100
103	M110	X	885	885	0	%100
104	M110	Z	.511	.511	0	%100 %100
105	M111	X	885	885	0	%100
106	M111	Z	.511	.511	0	%100 %100
107	M112	X	413	413		%100
108	M112	Z	.238	.238	0	
109	M113	X	-3.502	-3.502	0	%100
110	M113	Z	2.022	2.022	0	%100
111	M114	X	-2.386	-2.386	0	%100
112	M114	Z	1.377	1.377	0	%100
113	M115	X	-2.386	-2.386	0	%100
114	M115	Z	1.377	1.377	0	%100
115	M116	X	-3.502	-3.502	0	%100
116	M116	Z	2.022	2.022	0	%100
117	M117	X	413	413	0	%100
118	M117	Ž	.238	.238	0	%100

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

	Manhaelabal	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft.%
4 1	Member Label	V	-3.81	-3.81	0	%100
1	M40	Z	0.01	0	0	%100
2	M40		953	953	0	%100
3	M41	X	955	500	0	%100
4	M41	Z		953	0	%100
5	M42		953	955	0	%100
6	M42	Z	0 704		0	%100
7	M43	X	-3.731	-3.731		%100
8	M43	Z	0	0	0	%100
9	M37A	X	0	0	0	
10	M37A	Z	0	0	0	%100
11	M38A	X	-2.807	-2.807	0	%100
12	M38A	Z	0	0	0	%100
13	M39A	X	-2.807	-2.807	0	%100
14	M39A	7	0	0	0	%100
	MP5A	X	-3.413	-3.413	0	%100
15	MP5A	7	0	0	0	%100
16	MP4A	Y	-3.413	-3.413	0	%100
17		7	0.110	0	0	%100
18	MP4A	- Z	-3.413	-3.413	0	%100
19	MP3A		-5.415	1 0.110		



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

20	Member Label MP3A	Direction Z	Start Magnitude[lb/ft	End Magnitude(lb/ft,F		End Location[ft,%]
21	MP2A	X	-3.413	-3.413	0	%100
22	MP2A	Z	-3.413	-3.413	0	%100
23	MP1A	X	-3.413			%100
24	MP1A	Ž	-3.413	-3.413	0	%100
25	MP5C	X		0	0	%100
26	MP5C	Ż	-3.413	-3.413	0	%100
27	MP4C	X	0	0	0	%100
28	MP4C		-3.413	-3.413	0	%100
29		Z	0	0	0	%100
30	MP3C	X	-3.413	-3.413	0	%100
	MP3C	Z	0	0	0	%100
31	MP2C	X	-3.413	-3.413	0	%100
32	MP2C	Z	0	0	0	%100
33	MP1C	X	-3.413	-3.413	0	%100
34	MP1C	Z	0	0	0	%100
35	MP5B	X	-3.413	-3.413	0	%100
36	MP5B	Z	0	0	0	%100
37	MP4B	X	-3.413	-3.413	0	%100
38	MP4B	Z	0	0	0	%100
39	MP3B	X	-3.413	-3.413	0	%100
40	MP3B	Z	0	0	0	%100
41	MP2B	X	-3.413	-3.413	0	%100
42	MP2B	Z	0	0	0	%100
43	MP1B	X	-3.413	-3.413	0	%100
44	MP1B	Z	0	0	Ö	%100
45	M61	X	953	953	Ö	%100 %100
46	M61	Z	0	0	Ö	%100 %100
47	M62	X	-3.83	-3.83	0	%100 %100
48	M62	Z	0	0	0	%100 %100
49	M63	X	958	958	0	
50	M63	Z	0	936	0	%100 %100
51	M57	X	958	958	0	
52	M57	Z	938	956		%100
53	M58	X	958		0	%100
54	M58	Z	956	958	0	%100
55	M59	X		0	0	%100
56	M59	Ž	958	958	0	%100
57	M60		0	0	0	%100
58	M60	X	-3.83	-3.83	0	%100
59	M61A	Z	0	0	0	%100
60		X	-2.823	-2.823	0	%100
61	M61A	Z	0	0	0	%100
	M63A	X	-2.823	-2.823	0	%100
62	M63A	Z	0	0	0	%100
63	M72A	X	0	0	0	%100
64	M72A	Z	0	0	0	%100
65	M71A	X	-1.252	-1.252	0	%100
66	M71A	Z	0	0	0	%100
67	M72B	X	-1.252	-1.252	0	%100
68	M72B	Z	0	0	0	%100
69	M74A	X	-3.124	-3.124	0	%100
70	M74A	Z	0	0	0	%100
71	M69	X	706	706	0	%100
72	M69	Z	0	0	0	%100
73	M71	X	706	706	0	%100 %100
74	M71	Z	0	0	Ö	%100 %100
75	M75A	X	706	706	0	%100
76	M75A	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,%]
77	M77A	X	706	706	0	%100
78	M77A	Z	0	0	0	%100
79	M79A	X	933	933	0	%100
80	M79A	Ž	0	0	0	%100
	M80B	X	933	933	0	%100
81	M80B	Ž	0	0	0	%100
	M81	X	0	0	0	%100
83	M81	Ž	0	- 0	0	%100
84	M82	X	0	0	0	%100
85	M82	Z	0	0	0	%100
86		X	-2.807	-2.807	0	%100
87	M83 M83	Z	0	0	0	%100
88		X	-2,807	-2.807	0	%100
89	M84	Z	0	0	0	%100
90	M84	X	-2.807	-2.807	0	%100
91	M85	Ž	0	0	0	%100
92	M85	X	-2.807	-2.807	0	%100
93	M86	Ž	0	0	0	%100
94	M86	X	0	0	0	%100
95	LV	Ž	0	0	0	%100
96	LV	X	-2.832	-2.832	0	%100
97	M96	Ž	0	0	0	%100
98	M96	X	-2.832	-2.832	0	%100
99	M102	Z	0	0	0	%100
100	M102		-3.067	-3.067	0	%100
101	M109	X	-3.067	0.007	0	%100
102	M109	Z	-3.067	-3.067	0	%100
103	M110	X	-3.007	0	0	%100
104	M110	Z	0	0	0	%100
105	M111	X Z	0	0	0	%100
106	M111		-2.096	-2.096	0	%100
107	M112	X	-2.090	0	0	%100
108	M112	Z	-2.096	-2.096	0	%100
109	M113	X	-2.090	0	0	%100
110	M113	Z	806	806	0	%100
111	M114	X	806	800	0	%100
112	M114	Z	-4.373	-4.373	0	%100
113	M115	X		0	0	%100
114	M115	Z	0	-4.373	Ö	%100
115	M116	X	-4.373	-4.373	0	%100
116	M116	Z	0	806	0	%100
117	M117	X	806	606	0	%100
118	M117	Z	0			70100

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

	er Distributed LC	Direction	Start MagnitudeIlb/ft.	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
	Member Label	Direction	-2.475	-2.475	0	<u>%100</u>
1	M40		-1.429	-1.429	0	%100
2	M40			-2.475	0	%100
3	M41	X	-2.475		0	%100
4	M41	Z	-1.429	-1.429	0	%100 %100
5	M42	X	0	0	0	
6	M42	Z	0	0	0	%100
7	M43	X	-2.424	-2.424	0	%100
/		7	-1.399	-1,399	0	%100
8	M43		81	81	0	%100
9	M37A		468	468	0	%100
10	M37A				0	%100
11	M38A	X	81	81	U	73100

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

WEITE	Member Distributed Loads (BLC 63 : Structure Wi (300 Deg)) (Continued)									
40	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]				
12	M38A	Z	468	468	0	%100				
13	M39A	X	-3.241	-3.241	0	%100				
14	M39A	Z	-1.871	-1.871	0	%100				
15	MP5A	X	-2.955	-2.955	0	%100				
16	MP5A	Z	-1.706	-1.706	0	%100				
17	MP4A	X	-2.955	-2.955	0	%100				
18	MP4A	Z	-1.706	-1.706	0	%100				
19	MP3A	X	-2.955	-2.955	0	%100				
20	MP3A	Z	-1.706	-1.706	0	%100				
21	MP2A	X	-2.955	-2.955	0	%100				
22	MP2A	Z	-1.706	-1.706	0	%100				
23	MP1A	X	-2.955	-2.955	0	%100				
24	MP1A	Z	-1.706	-1.706	0	%100				
25	MP5C	X	-2.955	-2.955	0	%100				
26	MP5C	Z	-1.706	-1.706	0	%100				
27	MP4C	X	-2.955	-2.955	0	%100				
28	MP4C	Z	-1.706	-1.706	0	%100				
29	MP3C	X	-2.955	-2.955	0	%100				
30	MP3C	Z	-1.706	-1.706	0	%100				
31	MP2C	X	-2.955	-2.955	0	%100				
32	MP2C	Z	-1.706	-1.706	0	%100				
33	MP1C	X	-2.955	-2.955	0	%100				
34	MP1C	Z	-1.706	-1.706	0	%100 %100				
35	MP5B	X	-2.955	-2.955	Ö	%100 %100				
36	MP5B	Z	-1.706	-1.706	Ö	%100 %100				
37	MP4B	X	-2.955	-2.955	Ö	%100 %100				
38	MP4B	Z	-1.706	-1.706	Ö	%100 %100				
39	MP3B	X	-2.955	-2.955	0	%100 %100				
40	MP3B	Z	-1.706	-1.706	Ö	%100 %100				
41	MP2B	X	-2.955	-2.955	o l	%100 %100				
42	MP2B	Z	-1.706	-1.706	Ö	%100 %100				
43	MP1B	X	-2.955	-2.955	Ö	%100 %100				
44	MP1B	Z	-1.706	-1.706	0	%100 %100				
45	M61	X	0	0	0	%100 %100				
46	M61	Z	Ŏ	0	0	%100 %100				
47	M62	X	-2.488	-2.488	0	%100 %100				
48	M62	Z	-1.436	-1.436	0	%100 %100				
49	M63	X	-2.488	-2.488	0	%100				
50	M63	Z	-1.436	-1.436	ő	%100				
51	M57	X	-2.488	-2.488	0	%100 %100				
52	M57	Z	-1.436	-1.436	0	%100 %100				
53	M58	X	0	0	0	%100 %100				
54	M58	Z	Ö	0	0	%100 %100				
55	M59	X	0	0	0	%100 %100				
56	M59	Z	0	0	0	%100 %100				
57	M60	X	-2.488	-2.488	0	%100 %100				
58	M60	Z	-1.436	-1.436	0	%100 %100				
59	M61A	X	-1.834	-1.834	0	%100 %100				
60	M61A	Z	-1.059	-1.059	0					
61	M63A	X	-1.834	-1.834	0	%100				
62	M63A	Z	-1.059	-1.059	0	%100 %100				
63	M72A	X	361	361		%100				
64	M72A	Z	209	209	0	%100				
65	M71A	X	361	209 361	0	%100				
66	M71A	Z	209	209	0	%100				
67	M72B	X	-1.446	-1.446	0	%100				
68	M72B	Ž	835	-1.446	0	%100				
			000	033	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	M74A	X	-2.706	-2.706	0	%100
70	M74A	Z	-1.562	-1.562	0	%100
71	M69	X	-1.834	-1.834	0	%100
72	M69	Z	-1.059	-1.059	0	%100
73	M71	X	-1.834	-1.834	0	%100
74	M71	Z	-1.059	-1.059	0	%100
75	M75A	X	0	0	00	%100
76	M75A	Z	0	0	0	%100
77	M77A	X	0	0	0	%100
78	M77A	Z	0	0	0	%100
79	M79A	X	-2.424	-2.424	0	%100
	M79A	Z	-1.399	-1.399	0	%100
80	M80B	X	0	0	0	%100
	M80B	Z	0	0	0	%100
82		X	81	81	0	%100
83	M81 M81	Z	468	468	0	%100
84	M82	X	81	81	0	%100
85		Z	468	468	0	%100
86	M82	X	81	81	0	%100
87	M83	Z	468	468	0	%100
88	M83	X	81	81	0	%100
89	M84	Z	468	468	0	%100
90	M84	X	-3.241	-3.241	0	%100
91	M85	Z	-1.871	-1.871	0	%100
92	M85	X	-3.241	-3.241	0	%100
93	M86	Z	-1.871	-1.871	0	%100
94	M86	X	818	818	0	%100
95	LV	Ż	472	472	0	%100
96	LV	X	818	818	0	%100
97	M96	Z	472	472	0	%100
98	M96		-3.27	-3.27	0	%100
99	M102	X	-1.888	-1.888	0	%100
100	M102	Z	885	885	0	%100
101	M109	X	511	511	0	%100
102	M109	Z	-3.541	-3.541	0	%100
103	M110	X	-2.045	-2.045	0	%100
104	M110	Z	885	885	0	%100
105	M111	X	-,511	511	0	%100
106	M111	Z		-3.502	0	%100
107	M112	X	-3.502	-3.502	0	%100
108	M112	Z	-2.022	-2.022	0	%100
109	M113	X	413	413	0	%100
110	M113	Z	238	413	0	%100 %100
111	M114	X	413	413	0	%100
112	M114	Z	238		0	%100 %100
113	M115	X	-3.502	-3.502	0	%100 %100
114	M115	Z	-2.022	-2.022	0	%100
115	M116	X	-2.386	-2.386	0	%100
116	M116	Z	-1.377	-1.377		%100
117	M117	X	-2.386	-2.386	0	%100
118	M117	Z	-1.377	-1.377	0	70100

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,%]
4	M40	X	- 476	476	0	%100
	M40	7	825	825	0	%100
2	M41	X	-1.905	-1.905	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,%]
4	M41	Z	-3.3	-3.3	0	%100
5	M42	X	476	476	0	%100
6	M42	Z	825	825	0	%100
7	M43	X	466	466	0	%100
8	M43	Z	808	808	0	%100
9	M37A	X	-1.404	-1.404	0	%100
10	M37A	Z	-2.431	-2.431	0	%100 %100
11	M38A	X	0	0	0	%100 %100
12	M38A	Z	0	Ů Ů	Ö	%100 %100
13	M39A	X	-1.404	-1.404	0	%100 %100
14	M39A	Z	-2.431	-2.431	0	%100 %100
15	MP5A	X	-1.706	-1.706	0	%100 %100
16	MP5A	Z	-2.955	-2.955	0	%100 %100
17	MP4A	X	-1.706	-1.706	0	%100 %100
18	MP4A	Z	-2.955	-2.955	0	%100 %100
19	MP3A	X	-1.706	-1.706	0	%100 %100
20	MP3A	Z	-2.955	-2.955	0	%100
21	MP2A	X	-1.706	-1.706		%100
22	MP2A	Z	-2.955		0	%100
23	MP1A	X	-1.706	-2.955	0	%100
24	MP1A	Ž		-1.706	0	%100
25	MP5C	X	-2.955	-2.955	0	%100
26	MP5C	Z	-1.706	-1.706	0	%100
27	MP4C		-2.955	-2.955	0	%100
28	MP4C	Z	-1.706	-1.706	0	%100
29	MP3C		-2.955	-2.955	0	%100
30	MP3C	X	-1.706	-1.706	0	%100
31	MP2C	Z	-2.955	-2.955	0	%100
32		X	-1.706	-1.706	0	<u>%100</u>
33	MP2C	Z	-2.955	-2.955	0	%100
34	MP1C	X	-1.706	-1.706	0	%100
35	MP1C	Z	-2.955	-2.955	0	%100
	MP5B	X	-1.706	-1.706	0	%100
36	MP5B	Z	-2.955	-2.955	0	%100
38	MP4B	X	-1.706	-1.706	0	%100
39	MP4B	Z	-2.955	-2.955	0	%100
40	MP3B	X	-1.706	-1.706	0	%100
	MP3B	Z	-2.955	-2.955	0	%100
41	MP2B	X	-1.706	-1.706	0	%100
42	MP2B	Z	-2.955	-2.955	0	%100
43	MP1B	X	-1.706	-1.706	0	%100
44	MP1B	Z	-2.955	-2.955	0	%100
45	M61	X	476	476	0	%100
46	M61	Z	825	825	0	%100
47	M62	X	479	479	0	%100
48	M62	Z	829	829	0	%100
49	M63	X	-1.915	-1.915	0	%100
50	M63	Z	-3.317	-3.317	0	%100
51	M57	X	-1.915	-1.915	0	%100
52	M57	Z	-3.317	-3.317	0	%100
53	M58	X	479	479	0	%100
54	M58	Z	829	829	0	%100
55	M59	X	479	479	0	%100
56	M59	Z	829	829	0	%100
57	M60	X	479	479	0	%100
58	M60	Z	829	829	0	%100
59	M61A	X	353	353	0	%100
60	M61A	Z	611	611	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,% %100
61	M63A	X	353	353	0	%100 %100
62	M63A	Z	611	-,611	0	%100 %100
63	M72A	X	626	626	0	%100
34	M72A	Z	-1.084	-1.084	0	%100 %100
65	M71A	X	0	0	0	%100 %100
66	M71A	Z	0	0	0	%100
67	M72B	X	626	-,626	0	%100
68	M72B	Z	-1.084	-1.084	0	%100
69	M74A	X	-1.562	-1.562	0	%100
70	M74A	Z	-2.706	-2.706	0	%100
71	M69	X	-1.412	-1.412		%100
72	M69	Z	-2.445	-2.445	0	%100
73	M71	X	-1.412	-1.412	0	%100
74	M71	Z	-2.445	-2.445	0	%100
75	M75A	X	353	353	0	%100
76	M75A	Z	611	611	Ö	%100
77	M77A	X	353	353	0	%100
78	M77A	Z	611	611	0	%100
79	M79A	X	-1.866	-1.866	0	%100
30	M79A	Z	-3.232	-3.232	0	%100 %100
31	M80B	X	466	466	0	%100
32	M80B	Z	808	808	0	%100
33	M81	X	-1.404	-1.404	0	%100
34	M81	Z	-2.431	-2.431	0	%100
35	M82	X	-1.404	-1.404	0	%100
36	M82	Z	-2.431	-2.431	0	%100 %100
37	M83	X	0	0	0	%100 %100
38	M83	Z	0	0	0	%100
89	M84	X	0	0	0	%100
90	M84	Z	0	0	0	%100
91	M85	X	-1.404	-1.404	0	%100
92	M85	Z	-2.431	-2.431	0	%100
93	M86	X	-1.404	-1.404	0	%100
94	M86	Z	-2.431	-2.431	0	%100
95	LV	X	-1.416	-1.416	0	%100
96	LV	Z	-2.453	-2.453	0	%100 %100
97	M96	X	0	0	0	%100
98	M96	Z	0		0	%100
99	M102	X	-1.416	-1.416	0	%100 %100
00	M102	Z	-2.453	-2.453	0	%100 %100
01	M109	X	0	0	0	%100
02	M109	Z	0	0	0	%100
03	M110	X	-1.533	-1.533	0	%100
04	M110	Z	-2.656	-2.656	0	%100
05	M111	X	-1.533	-1.533	0	%100
06	M111	Z	-2.656	-2.656	0	%100 %100
07	M112	X	-2.187	-2.187	0	%100 %100
80	M112	Z	-3.787	-3.787	0	%100 %100
09	M113	X	403	403	0	%100
10	M113	Z	698	698	0	%100 %100
111	M114	X	-1.048	-1.048	0	%100
112	M114	Z	-1.815	-1.815	0	%100 %100
113	M115	X	-1.048	-1.048	0	%100 %100
114	M115	Z	-1.815	-1.815	0	%100 %100
115	M116	X	403	403		%100
116	M116	Z	698	698	0	%100
117	M117	X	-2.187	-2.187		/0100



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,%]
118	M117	Z	-3.787	-3.787	0	%100

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

11	Member Label M40	Direction X		End Magnitude[lb/ft.F		End Location[ft,%]
2	M40		0	0	0	%100
3	M41	Z X	0	0	0	%100
4	M41	Ž	0	0	0	%100
5	M42	X	573	573	0	%100
6	M42	Ž	0	0	0	%100
7	M43	X	573	573	0	%100
8	M43	Z	0	0	0	%100
9	M37A		0	0	0	%100
10	M37A	Z	0	0	0	%100
11	M38A		738	738	0	%100
12	M38A	X	0	0	0	%100
13	M39A	Z	184	184	0	%100
14	M39A	X	0	0	0	%100
15		Z	184	184	0	%100
16	MP5A MP5A	X	0	0	0	%100
17		Z	621	621	0	%100
18	MP4A	X	0	0	0	%100
19	MP4A	Z	621	621	0	%100
20	MP3A	X	0	0	0	%100
	MP3A	Z	621	621	0	%100
21	MP2A	X	0	0	0	%100
	MP2A	Z	621	621	0	%100
23	MP1A	X	0	0	0	%100
24	MP1A	Z	621	621	0	%100
25	MP5C	X	0	0	0	%100
26	MP5C	Z	621	621	0	%100
27	MP4C	X	0	0	0	%100
28	MP4C	Z	621	621	0	%100
29	MP3C	X	0	0	0	%100
30	MP3C	Z	621	621	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	621	621	0	%100
33	MP1C	X	0	0	0	%100
34	MP1C	Z	621	621	0	%100
35	MP5B	X	0	0	0	%100
36	MP5B	Z	621	621	0	%100
37	MP4B	X	0	0	0	%100
38	MP4B	Z	621	621	0	%100
39	MP3B	X	0	0	0	%100
40	MP3B	Z	621	621	0	%100
41	MP2B	X	0	0	0	%100
42	MP2B	Z	621	621	0	%100
43	MP1B	X	0	0	0	%100
44	MP1B	Z	621	621	0	%100
45	M61	X	0	0	0	%100
46	M61	Z	573	573	0	%100
47	M62	X	0	0	0	%100
48	M62	Z	0	0	0	%100
49	M63	X	0	0	0	%100
50	M63	Z	664	664	0	%100
51	M57	X	0	0	0	%100
52	M57	Z	664	664	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.9
53	M58	X	0	0	0	%100
54	M58	Z	664	664	0	%100
55	M59	X	0	0	0	%100
6	M59	Z	664	664	0	%100
7	M60	X	0	0	0	%100
8	M60	Z	0	0	0	%100
	M61A	X	0	0	0	%100
9	M61A	Z	0	0	0	%100
30	M63A	X	0	0	0	%100
51		Z	0	0	0	%100
2	M63A	X	0	0	0	%100
3	M72A	Z	197	197	0	%100
34	M72A	X	0	0	0	%100
35	M71A		049	049	0	%100
66	M71A	Z	049	0	0	%100
7	M72B	X	049	049	0	%100
88	M72B	Z		043	Ö	%100
9	M74A	X	0	566	0	%100
0	M74A	Z	566		0	%100
71	M69	X	0	0	0	%100
72	M69	Z	463	463		%100 %100
73	M71	X	0	0	0	%100
74	M71	Z	463	463	0	
75	M75A	X	0	0	0	%100
76	M75A	Z	463	463	0	%100
77	M77A	X	0	0	0	%100
78	M77A	Z	-,463	463	0	%100
	M79A	X	0	0	0	%100
79	M79A	Z	556	556	0	%100
30		X	0	0	0	%100
31	M80B	Z	556	556	0	%100
32	M80B	×	0	0	0	%100
33	M81	Z	738	738	0	%100
34	M81	X	0	0	0	%100
35	M82		738	738	0	%100
36	M82	Z		0	0	%100
37	M83	X	0	184	Ö	%100
38	M83	Z	184	0	0	%100
39	M84	X	0		0	%100
90	M84	Z	184	184	0	%100
91	M85	X	0	0		%100
92	M85	Z	184	184	0	%100 %100
93	M86	X	0	0	0	
94	M86	Z	184	184	0	%100
95	LV	X	0	0	0	%100
96	ĹV	Z	752	752	0	%100
97	M96	X	0	0	0	%100
	M96	Z	188	188	0	%100
98	M102	X	0	0	0	%100
99		Z	188	188	0	%100
00	M102	X	0	0	0	%100
01	M109	Z	248	248	0	%100
02	M109		0	0	0	%100
03	M110	X		248	0	%100
04	M110	Z	248	0	0	%100
05	M111	X	0	993	0	%100
06	M111	Z	993		0	%100
07	M112	X	0	0	0	%100
108	M112	Z	631	631	0	%100 %100
109	M113	X	0	0		/0100



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,%]
110	M113	Z	631	631	0	%100
111	M114	X	0	0	0	%100
112	M114	Z	926	926	0	%100
113	M115	X	0	0	0	%100
114	M115	Z	109	109	0	%100 %100
115	M116	X	0	0	0	%100 %100
116	M116	Z	109	109	Ö	%100
117	M117	X	0	0	0	%100 %100
118	M117	Z	926	926	Ö	%100

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

4	Member Label	Direction	Start Magnitude[lb/ft	.End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft.%]
1	M40	X	.096	.096	0	%100
2	M40	Z	165	165	0	%100
3	M41	X	.096	.096	0	%100
4	M41	Z	165	165	0	%100
5	M42	X	.382	.382	0	%100
6	M42	Z	662	662	0	%100
7	M43	X	.093	.093	0	%100
8	M43	Z	16	16	0	%100
9	M37A	X	.277	.277	0	%100
10	M37A	Z	479	479	0	%100
11	M38A	X	.277	.277	0	%100
12	M38A	Z	479	479	0	%100
13	M39A	X	0	0	0	%100
14	M39A	Z	0	0	0	%100
15	MP5A	X	,311	.311	0	%100
16	MP5A	Z	538	538	0	%100
17	MP4A	X	.311	.311	0	%100
18	MP4A	Z	538	538	0	%100
19	MP3A	X	.311	.311	0	%100
20	MP3A	Z	538	538	0	%100
21	MP2A	X	.311	.311	0	%100
22	MP2A	Z	538	538	0	%100
23	MP1A	X	.311	.311	0	%100
24	MP1A	Z	538	538	0	%100
25	MP5C	X	.311	.311	0	%100
26	MP5C	Z	538	538	0	%100
27	MP4C	X	.311	.311	0	%100
28	MP4C	Z	538	538	0	%100
29	MP3C	X	.311	.311	0	%100
30	MP3C	Z	538	538	0	%100
31	MP2C	X	.311	.311	0	%100
32	MP2C	Z	538	538	0	%100
33	MP1C	X	.311	.311	Ō	%100
34	MP1C	Z	538	538	0	%100
35	MP5B	X	.311	.311	0	%100
36	MP5B	Z	538	538	0	%100 %100
37	MP4B	X	.311	.311	0	%100 %100
38	MP4B	Z	538	538	Ö	%100
39	MP3B	X	.311	.311	0	%100
40	MP3B	Z	538	538	0	%100 %100
41	MP2B	X	.311	.311	0	%100 %100
42	MP2B	Z	538	538	0	%100
43	MP1B	X	.311	.311	0	%100 %100
44	MP1B	Z	538	538	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.%] 0	End Location[ft,% %100
45	M61	X	.382	.382 662	0	%100 %100
46	M61	Z	662	.111	0	%100
47	M62	X	.111	192	0	%100
48	M62	Z		.111	0	%100
49	M63	X	.111	192	0	%100
50	M63	Z	192	.111	0	%100
51	M57	X	.111	192	0	%100
52	M57	Z	192	.443	0	%100
53	M58	X	.443	767	Ō	%100
54	M58	Z	767	.443	0	%100
55	M59	X	.443	767	0	%100
56	M59	Z		.111	0	%100
57	M60	X	.111	192	0	%100
58	M60	Z	192 .077	.077	0	%100
59	M61A	X		134	0	%100
60	M61A	Z	134 .077	.077	0	%100
61	M63A	X		134	0	%100
62	M63A	Z	134 .074	.074	0	%100
63	M72A	X		128	0	%100
64	M72A	Z	128	.074	0	%100
65	M71A	X	.074	128	0	%100
66	M71A	Z	-,128	0	0	%100
67	M72B	X	0	0	0	%100
68	M72B	Z	0	.283	0	%100
69	M74A	X	.283	49	0	%100
70	M74A	Z	49	.077	0	%100
71	M69	X	.077	134	0	%100
72	M69	Z	134	.077	0	%100
73	M71	X	.077	134	0	%100
74	M71	Z	134	.309	0	%100
75	M75A	X	.309	535	0	%100 %100
76	M75A	Z	535	.309	0	%100 %100
77	M77A	X	.309	535	0	%100
78	M77A	Z	535		0	%100 %100
79	M79A	X	.093	.093	0	%100 %100
80	M79A	Z	16	16	0	%100 %100
81	M80B	X	.371	.371	0	%100
82	M80B	Z	642	642	0	%100 %100
83	M81	X	.277	.277	0	%100 %100
84	M81	Z	479	479	0	%100 %100
85	M82	X	.277	.277	0	%100 %100
86	M82	Z	479	479	0	%100
87	M83	X	.277	.277	0	%100 %100
88	M83	Z	479	479 .277	0	%100 %100
89	M84	X	.277		0	%100 %100
90	M84	Z	479	479	0	%100 %100
91	M85	X	0	0	0	%100 %100
92	M85	Z	0	0	0	%100 %100
93	M86	X	0	0		%100 %100
94	M86	Z	0	0	0	%100 %100
95	LV	X	.282	.282	0	%100 %100
96	LV	Z	488	488		
97	M96	X	.282	.282	0	%100 %100
98	M96	Z	488	488	0	
99	M102	X	0	0	0	%100 %100
100	M102	Z	0	0	0	%100 %100
101	M109	X	.372	.372	0	76 100

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,%]
102	M109	Z	645	645	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	0	0	0	%100
105	M111	X	.372	.372	0	%100
106	M111	Z	645	645	0	%100
107	M112	X	.092	.092	0	%100
108	M112	Z	16	-,16	0	%100
109	M113	X	.501	.501	0	%100
110	M113	Z	867	867	0	%100
111	M114	X	.501	.501	0	%100
112	M114	Z	867	867	0	%100
113	M115	X	.092	.092	0	%100
114	M115	Z	16	16	0	%100
115	M116	X	.24	.24	0	%100
116	M116	Z	416	416	0	%100
117	M117	X	.24	.24	0	%100
118	M117	Z	416	416	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	M40	X	.496	.496	0	%100
2	M40	Z	287	287	0	%100
3	M41	X	0	0	0	%100
4	M41	Z	0	0	0	%100
5	M42	X	.496	.496	0	%100
6	M42	Z	287	287	0	%100
7	M43	X	.481	.481	0	%100
8	M43	Z	278	278	0	%100
9	M37A	X	.16	.16	0	%100
10	M37A	Z	092	092	0	%100
11	M38A	X	.639	.639	0	%100
12	M38A	Z	369	369	0	%100
13	M39A	X	.16	.16	0	%100
14	M39A	Z	092	092	0	%100
15	MP5A	X	.538	.538	0	%100
16	MP5A	Z	311	311	0	%100
17	MP4A	X	.538	.538	0	%100
18	MP4A	Z	311	311	0	%100
19	MP3A	X	.538	.538	0	%100
20	MP3A	Z	311	311	0	%100
21	MP2A	X	.538	.538	0	%100
22	MP2A	Z	311	311	0	%100
23	MP1A	X	.538	.538	0	%100
24	MP1A	Z	311	311	0	%100
25	MP5C	X	.538	.538	0	%100
26	MP5C	Z	311	311	0	%100
27	MP4C	X	.538	.538	0	%100
28	MP4C	Z	311	311	0	%100
29	MP3C	X	.538	.538	0	%100
30	MP3C	Z	311	311	Ö	%100
31	MP2C	X	.538	.538	0	%100
32	MP2C	Z	311	311	Ō	%100
33	MP1C	X	.538	.538	0	%100
34	MP1C	Z	311	311	0	%100
35	MP5B	X	.538	.538	0	%100
36	MP5B	Z	311	311	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,%] %100
37	MP4B	X	.538	.538 311	0	%100 %100
38	MP4B	Z	311	.538	0	%100 %100
39	MP3B	X	.538	311	0	%100
40	MP3B	Z	311	.538	0	%100
41	MP2B	X	.538	311	0	%100
42	MP2B	Z	311	.538	0	%100
43	MP1B	X	.538	311	0	%100
44	MP1B	Z	311	.496	0	%100
45	M61	X	.496	287	0	%100
46	M61	Z	287	.575	0	%100
47	M62	X	.575	332	0	%100
48	M62	Z	332	552	0	%100
49	M63	X	0	0	0	%100
50	M63	Z	0	0	0	%100
51	M57	X	0	0	0	%100
52	M57	Z	.575	.575	0	%100
53	M58	X	332	332	0	%100
54	M58	Z	.575	.575	0	%100
55	M59	X	332	332	0	%100
56	M59	Z		.575	0	%100
57	M60	X	.575	332	0	%100
58	M60	Z	332	.401	0	%100
59	M61A	X	.401	232	0	%100
60	M61A	Z	232	.401	0	%100
61	M63A	X	.401	232	0	%100
62	M63A	Z	232	.043	0	%100
63	M72A	X	.043	025	0	%100
64	M72A	Z	025	.171	0	%100
65	M71A	X	.171	099	0	%100
66	M71A	Z	099	.043	0	%100
67	M72B	X	.043	025	0	%100
68	M72B	Z	025	.49	0	%100
69	M74A	X	.49	283	0	%100
70	M74A	Z	283	0	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	0	0	0	%100
73	M71	X	0	0	0	%100
74	M71	Z		401	0	%100
75	M75A	X	.401	232	0	%100
76	M75A	Z	232	.401	0	%100
77	M77A	X	.401	232	0	%100
78	M77A	Z	232	232	0	%100
79	M79A	X	0	0	0	%100
80	M79A	Z	0	.481	0	%100
81	M80B	X	.481	278	0	%100
82	M80B	Z	278	.16	0	%100
83	M81	X	.16	092	0	%100
84	M81	Z	092	.16	0	%100
85	M82	X	.16	092	0	%100 %100
86	M82	Z	092	.639	0	%100 %100
87	M83	X	.639		0	%100
88	M83	Z	369	369	0	%100 %100
89	M84	X	.639	.639	0	%100
90	M84	Z	369	369	0	%100 %100
91	M85	X	.16	.16	0	%100 %100
92	M85	Z	092	092	.0	%100 %100
93	M86	X	.16	.16	L U	70 100

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,%]
94	M86	Z	092	092	0	%100
95	LV	X	.163	.163	0	%100
96	LV	Z	094	094	0	%100
97	M96	X	.651	.651	0	%100
98	M96	Z	376	376	0	%100
99	M102	X	.163	,163	0	%100
100	M102	Z	094	094	0	%100
101	M109	X	.86	.86	0	%100
102	M109	Z	496	496	0	%100
103	M110	X	.215	.215	0	%100
104	M110	Z	124	124	0	%100
105	M111	X	.215	.215	0	%100
106	M111	Z	124	124	0	%100
107	M112	X	.095	.095	Ö	%100
108	M112	Z	055	055	0	%100
109	M113	X	.802	.802	0	%100
110	M113	Z	463	463	0	%100
111	M114	X	.546	.546	0	%100
112	M114	Z	315	315	0	%100
113	M115	X	.546	.546	0	%100
114	M115	Z	315	315	0	%100
115	M116	X	.802	.802	0	%100
116	M116	Z	463	463	0	%100
117	M117	X	.095	.095	Ö	%100
118	M117	Z	055	055	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	M40	X	.764	.764	0	%100
2	M40	Z	0	0	0	%100
3	M41	X	.191	.191	0	%100
4	M41	Z	0	0	0	%100
5	M42	X	.191	.191	0	%100
6	M42	Z	0	0	0	%100
7	M43	X	.741	.741	0	%100
8	M43	Z	0	0	0	%100
9	M37A	X	0	0	0	%100
10	M37A	Z	0	0	0	%100
11	M38A	X	.553	.553	0	%100
12	M38A	Z	0	0	0	%100
13	M39A	X	.553	.553	.0	%100
14	M39A	Z	0	0	0	%100
15	MP5A	X	.621	.621	0	%100
16	MP5A	Z	0	0	0	%100
17	MP4A	X	.621	.621	0	%100
18	MP4A	Z	0	0	0	%100
19	MP3A	X	.621	.621	0	%100
20	MP3A	Z	0	0	0	%100
21	MP2A	X	.621	.621	0	%100
22	MP2A	Z	0	0	0	%100
23	MP1A	X	.621	.621	0	%100
24	MP1A	Z	0	0	0	%100
25	MP5C	X	.621	.621	0	%100
26	MP5C	Z	0	0	0	%100
27	MP4C	X	.621	.621	0	%100 %100
28	MP4C	Z	0	0	0	%100



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

	Member Label	Direction		End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,% %100
29	MP3C	X	.621	.621	0	%100
30	MP3C	Z	0	0	0	%100
31	MP2C	X	.621	.621	0	%100
32	MP2C	Z	0	0	0	%100
33	MP1C	X	.621	.621		%100 %100
34	MP1C	Z	0	0	0	%100 %100
35	MP5B	X	.621	.621	0	%100 %100
36	MP5B	Z	0	0	0	%100 %100
37	MP4B	X	.621	.621	0	%100 %100
38	MP4B	Z	0	0	0	%100 %100
39	MP3B	X	.621	.621	0	%100 %100
40	MP3B	Z	0	0	0	%100 %100
41	MP2B	X	.621	.621	0	%100 %100
42	MP2B	Z	0	0	0	
43	MP1B	X	.621	.621	0	%100
44	MP1B	Z	0	0	0	%100
45	M61	X	191	.191	0	%100
46	M61	Z	0	0	0	%100
47	M62	X	.886	.886	0	%100
48	M62	Z	0	0	0	%100
49	M63	X	.221	.221	0	%100
50	M63	Z	0	0	0	%100
51	M57	X	.221	.221	0	%100
52	M57	Z	0	0	0	%100
53	M58	X	.221	.221	0	%100
	M58	Z	0	0	0	%100
54	M59	X	.221	.221	0	%100
55	M59	Z	0	0	0	%100
56	M60	X	.886	.886	0	%100
57	M60	Z	0	0	0	%100
58	M61A	X	.618	.618	0	%100
59	M61A	Z	0	0	0	%100
60	M63A	X	.618	.618	0	%100
61	M63A	Z	0	0	0	%100
62	M72A	X	0	0	0	%100
63	M72A	Ž	0	0	0	%100
64		X	.148	.148	0	%100
65	M71A	Z	0	0	0	%100
66	M71A	X	.148	.148	0	%100
67	M72B	Z	0	0	0	%100
68	M72B	X	.566	.566	0	%100
69	M74A	Ž	0	0	0	%100
70	M74A	X	.154	.154	0	%100
71	M69	Z	0	0	0	%100
72	M69	X	.154	.154	0	%100_
73	M71	Z	0	0	0	%100
74	M71	X	.154	.154	0	%100
75	M75A	Z	0	0	0	%100_
76	M75A		.154	.154	0	%100
77	M77A	X	0	0	0	%100
78	M77A	Z X	.185	.185	0	%100
79	M79A		. 165	0	0	%100
80	M79A	Z	.185	.185	0	%100
81	M80B	X		0	0	%100
82	M80B	Z	0	0	0	%100
83	M81	X	0	0	0	%100
84	M81	Z	0	0	0	%100
85	M82	X	0	U	<u> </u>	70100



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,%]
86	M82	Z	0	0	0	%100
87	M83	X	.553	.553	0	%100
88	M83	Z	0	0	0	%100
89	M84	X	.553	.553	0	%100 %100
90	M84	Z	0	0	0	%100
91	M85	X	.553	.553	0	%100 %100
92	M85	Z	0	0	0	%100 %100
93	M86	X	.553	.553	0	%100 %100
94	M86	Z	0	0	0	%100 %100
95	LV	X	0	0	0	%100 %100
96	LV	Z	0	0	0	%100
97	M96	X	.564	.564	0	%100 %100
98	M96	Z	0	0	0	%100 %100
99	M102	X	.564	.564	0	%100 %100
100	M102	Z	0	0	0	%100 %100
101	M109	X	.745	.745	0	%100 %100
102	M109	Z	0	0	0	%100 %100
103	M110	X	.745	.745	0	%100 %100
104	M110	Z	0	0	0	%100 %100
105	M111	X	0	0	0	
106	M111	Z	0	0	0	%100 %100
107	M112	X	.48	.48	0	
108	M112	Z	0	.48	0	%100 %100
109	M113	X	.48	.48	0	
110	M113	Z	0	0	0	%100 %100
111	M114	X	.185	.185	0	%100 %400
112	M114	Z	0	0	0	%100
113	M115	X	1,001	1.001	0	%100
114	M115	Z	0	0	0	%100
115	M116	X	1.001	1.001		%100
116	M116	Z	1.001	0	0	%100
117	M117	X	.185		0	%100
				.185	0	%100
118	M117	Z	0	0	0	%100 %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	M40	X	.496	.496	0	%100
2	M40	Z	.287	.287	0	%100
3	M41	X	.496	.496	0	%100
4	M41	Z	.287	.287	0	%100
5	M42	X	0	0	0	%100 %100
6	M42	Z	0	0	0	%100
7	M43	X	.481	.481	0	%100 %100
8	M43	Z	.278	.278	0	%100 %100
9	M37A	X	.16	.16	0	%100 %100
10	M37A	Z	.092	.092	0	%100 %100
11	M38A	X	.16	.16	0	%100 %100
12	M38A	Z	.092	.092	0	%100 %100
13	M39A	X	.639	.639	0	%100 %100
14	M39A	Z	.369	.369	0	%100 %100
15	MP5A	X	.538	.538	0	%100 %100
16	MP5A	Z	.311	.311	0	%100
17	MP4A	X	.538	.538	0	%100 %100
18	MP4A	Z	.311	.311	0	%100 %100
19	MP3A	X	.538	.538	0	%100 %100
20	MP3A	Z	.311	.311	0	%100 %100



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

- 10	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,% %100
21	MP2A	X	.538	.538	0	%100 %100
22	MP2A	Z	.311	.311		%100 %100
23	MP1A	X	.538	.538	0	%100
24	MP1A	Z	.311	.311	0	%100
25	MP5C	X	.538	.538		%100 %100
26	MP5C	Z	.311	.311	0	%100 %100
27	MP4C	X	.538	.538	0	%100
28	MP4C	Z	.311	.311	0	%100 %100
29	MP3C	X	.538	.538	0	%100
30	MP3C	Z	.311	.311	0	%100
31	MP2C	X	.538	.538	0	%100
32	MP2C	Z	.311	.311	0	%100
33	MP1C	X	.538	.538	0	%100
34	MP1C	Z	.311	.311	0	%100
35	MP5B	X	.538	.538	0	%100
36	MP5B	Z	.311	.311	0	%100
37	MP4B	X	.538	.538	0	%100 %100
38	MP4B	Z	.311	.311	0	%100 %100
39	MP3B	X	.538	.311	0	%100 %100
40	MP3B	Z	.311		0	%100
41	MP2B	X	.538	.538	0	%100
42	MP2B	Z	.311	.538	0	%100
43	MP1B	X	.538		0	%100
44	MP1B	Z	.311	.311	0	%100
45	M61	X	0	0	Ö	%100
46	M61	Z	0	.575	0	%100
47	M62	X	.575	.332	Ö	%100
48	M62	Z	.332	.575	0	%100
49	M63	X	.575		0	%100
50	M63	Z	,332	.332	0	%100
51	M57	X	.575	.575	0	%100
52	M57	Z	.332	.332	0	%100
53	M58	X	0	0	Ö	%100
54	M58	Z	0	0	0	%100
55	M59	X	0	0	0	%100
56	M59	Z	0	.575	0	%100
57	M60	X	.575	.332	0	%100
58	M60	Z	.332	.401	0	%100
59	M61A	X	.401	.232	0	%100
60	M61A	Z	.232	.401	0	%100 %100
61	M63A	X	.401	.232	0	%100
62	M63A	Z	.232	.043	0	%100
63	M72A	X	.043	.025	0	%100
64	M72A	Z	.025	.043	0	%100
65	M71A	X	.043	.025	0	%100
66	M71A	Z	.025	.025	0	%100
67	M72B	X	.171	.099	0	%100
68	M72B	Z	.099	.49	0	%100
69	M74A	X	.49	.283	0	%100
70	M74A	Z	.283	.401	0	%100 %100
71	M69	X	.401		0	%100
72	M69	Z	.232	.232	0	%100 %100
73	M71	X	.401	.401	0	%100
74	M71	Z	.232	.232	0	%100 %100
75	M75A	X	0	0	0	%100 %100
76	M75A	Z	0	0	0	%100 %100
77	M77A	X	0	0	U U	/0100



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

[I	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	. Start Location[ft.%]	End Location[ft,%]
78	M77A	Z	0	0	0	%100
79	M79A	X	.481	.481	0	%100
80	M79A	Z	.278	.278	0	%100
81	M80B	X	0	0	0	%100
82	M80B	Z	0	0	0	%100
83	M81	X	.16	.16	0	%100 %100
84	M81	Z	.092	.092	0	%100 %100
85	M82	X	.16	.16	0	%100 %100
86	M82	Z	.092	.092	0	%100 %100
87	M83	X	.16	.16	0	%100 %100
88	M83	Z	.092	.092	0	%100 %100
89	M84	X	.16	.16	0	%100 %100
90	M84	Z	.092	.092	0	
91	M85	X	.639	.639	0	%100 %100
92	M85	Z	.369	.369	0	
93	M86	X	.639	.639	0	%100
94	M86	Z	.369	.369	0	%100
95	LV	X	.163	.163	0	%100
96	LV	Z	.094	.094	0	%100
97	M96	X	.163	.163		%100
98	M96	Z	.094	.094	0	%100
99	M102	X	.651	.651		%100
100	M102	Z	.376		0	%100
101	M109	X	.215	.376	0	%100
102	M109	Z	.124	.215 .124	0	%100
103	M110	X	.86	.86	0	%100
104	M110	Z	.496		0	%100
105	M111	X	.215	.496	0	%100
106	M111	Z	.124	.215 .124	0	%100
107	M112	X	.802	.802	0	%100
108	M112	Z	.463		0	%100
109	M113	X		.463	0	%100
110	M113	Ž	.095	.095	0	%100
111	M114	X	.055	.055	0	%100
112	M114	Ž	.095	.095	0	%100
113	M114 M115	X	.055	.055	0	%100
114	M115	Z	.802	.802	0	%100
115	M116		.463	.463	0	%100
116	M116	X	.546	.546	0	%100
117		Z	.315	.315	0	%100
118	M117	X	.546	.546	0	%100
110	M117	Z	.315	.315	0 1	%100

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start LocationIft %1	End Location[ft,%]
1	M40	X	.096	.096	0	%100
2	M40	Z	.165	.165	0	%100
3	M41	X	.382	.382	0	%100 %100
4	M41	Z	.662	.662	0	%100 %100
5	M42	X	.096	.096	0	%100 %100
6	M42	Z	.165	.165	0	%100 %100
7	M43	X	.093	.093	0	%100 %100
8	M43	Z	.16	.16	0	%100
9	M37A	X	.277	.277	0	%100 %100
10	M37A	Z	.479	.479	0	%100 %100
11	M38A	X	0	0	0	%100 %100
12	M38A	2	0	0	Ö	%100 %100



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

	Member Label	Direction		End Magnitude[lb/ft,F.	Start Location[ft,%]	End Location[ft.%]
13	M39A	X	.277	.277	0	%100 %100
14	M39A	Z	.479	.479	0	%100 %100
15	MP5A	X	.311	.311	0	%100 %100
16	MP5A	Z	.538	.538	0	%100 %100
17	MP4A	X	.311	.311	0	%100 %100
18	MP4A	Z	.538	.538	0	
19	MP3A	X	.311	.311	0	%100 %400
20	MP3A	Z	.538	,538	0	%100
21	MP2A	X	.311	.311	0	%100
22	MP2A	Z	.538	.538	0	%100
23	MP1A	X	.311	.311	0	%100
24	MP1A	Z	.538	.538	0	%100
25	MP5C	X	.311	.311	0	%100
26	MP5C	Z	.538	.538	0	%100
27	MP4C	X	.311	.311	0	%100
28	MP4C	Z	.538	.538	0	%100
29	MP3C	X	.311	.311	0	%100
30	MP3C	Z	.538	.538	0	%100
31	MP2C	X	.311	.311	0	%100
32	MP2C	Z	.538	.538	0	%100
33	MP1C	X	.311	.311	0	%100
34	MP1C	Z	.538	.538	0	%100
35	MP5B	X	.311	.311	0	%100
36	MP5B	Z	.538	.538	0	%100
37	MP4B	X	.311	.311	0	%100
38	MP4B	Z	.538	.538	0	%100
39	MP3B	X	.311	.311	0	%100
40	MP3B	Z	.538	.538	0	%100
41	MP2B	X	.311	.311	0	%100
42	MP2B	Z	.538	.538	0	%100
43	MP1B	X	.311	.311	0	%100
44	MP1B	Z	.538	.538	0	%100
45	M61	X	.096	.096	0	%100
46	M61	Z	.165	.165	0	%100
47	M62	X	.111	.111	0	%100
48	M62	Z	.192	.192	0	%100
49	M63	X	.443	.443	0	%100
50	M63	Z	.767	.767	0	%100
51	M57	X	.443	.443	0	%100
52	M57	Z	.767	.767	0	%100
53	M58	X	.111	.111	0	%100
54	M58	Z	.192	.192	0	%100
55	M59	X	.111	.111	0	%100
56	M59	Z	.192	.192	0	%100
57	M60	X	.111	-111	0	%100
58	M60	Z	.192	.192	0	%100
59	M61A	X	.077	.077	0	%100
60	M61A	Z	.134	.134	0	%100
61	M63A	X	.077	.077	0	%100
62	M63A	Z	.134	.134	0	%100
63	M72A	X	.074	.074	0	%100
64	M72A	Z	.128	.128	0	%100
65	M71A	X	0	0	0	%100
	M71A	Z	0	0	0	%100
66 67	M72B	X	.074	.074	0	%100
68	M72B	Z	.128	.128	0	%100
00	M74A	X	.283	.283	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,%]
70	M74A	Z	.49	.49	0	%100
71	M69	X	.309	.309	0	%100
72	M69	Z	.535	.535	0	%100
73	M71	X	.309	.309	0	%100
74	M71	Z	.535	.535	0	%100
75	M75A	X	.077	.077	0	%100
76	M75A	Z	.134	.134	0	%100
77	M77A	X	.077	.077	0	%100
78	M77A	Z	.134	.134	0	%100
79	M79A	X	.371	.371	0	%100
80	M79A	Z	.642	.642	0	%100
81	M80B	X	.093	.093	0	%100
82	M80B	Z	.16	.16	0	%100
83	M81	X	.277	.277	0	%100
84	M81	Z	.479	.479	0	%100
85	M82	X	.277	.277	0	%100
86	M82	Z	.479	.479	0	%100
87	M83	X	0	0	0	%100
88	M83	Z	0	0	Ō	%100
89	M84	X	0	0	0	%100
90	M84	Z	0	0	Ö	%100
91	M85	X	.277	.277	0	%100
92	M85	Z	.479	.479	Ö	%100
93	M86	X	.277	.277	0	%100
94	M86	Z	.479	.479	Ö	%100
95	LV	X	.282	.282	0	%100
96	LV	Z	.488	.488	Ŏ	%100 %100
97	M96	X	0	0	0	%100
98	M96	Z	0	0	Ō	%100
99	M102	X	.282	.282	0	%100 %100
100	M102	Z	.488	.488	Ö	%100
101	M109	X	0	0	Ö	%100
102	M109	Z	0	0	Ö	%100 %100
103	M110	X	.372	.372	Ŏ	%100
104	M110	Z	.645	.645	Ö	%100
105	M111	X	.372	.372	Ö	%100 %100
106	M111	Z	.645	.645	Ö	%100
107	M112	X	.501	.501	Ö	%100 %100
108	M112	Z	.867	.867	Ō	%100
109	M113	X	.092	.092	0	%100 %100
110	M113	Z	.16	.16	0	%100 %100
111	M114	X	.24	.24	0	%100 %100
112	M114	Z	.416	.416	0	%100 %100
113	M115	X	.24	.24	0	%100 %100
114	M115	Z	.416	.416	0	%100 %100
115	M116	X	.092	.092	0	%100 %100
116	M116	Ž	.16	.16	0	%100 %100
117	M117	X	.501	.501	0	%100 %100
118	M117	Z	.867	.867	0	%100 %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	M40	X	0	0	0	%100
2	M40	Z	0	0	0	%100
3	M41	X	0	0	0	%100
4	M41	Z	.573	.573	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,%] %100
5	M42	X	0	570	0	%100 %100
6	M42	Z	.573	.573	0	%100 %100
7	M43	X	0	0	0	%100 %100
8	M43	Z	0	0	0	%100 %100
9	M37A	X	0	0	0	%100 %100
10	M37A	Z	.738	.738	0	%100 %100
11	M38A	X	0	0	0	%100 %100
12	M38A	Z	.184	.184	0	
13	M39A	X	0	0	0	%100
14	M39A	Z	.184	,184	0	%100 %100
15	MP5A	X	0	0	0	%100 %100
16	MP5A	Z	.621	.621	0	%100 %100
17	MP4A	X	0	0	0	
18	MP4A	Z	.621	.621	0	%100
19	MP3A	X	0	0	0	%100
20	MP3A	Z	.621	.621	0	%100
21	MP2A	X	0	0	0	%100 %100
22	MP2A	Z	.621	.621	0	%100
23	MP1A	X	0	0	0	%100 %100
24	MP1A	Z	.621	.621	0	%100 %100
25	MP5C	X	0	0	0	%100
26	MP5C	Z	.621	.621	0	%100
27	MP4C	X	0	0	0	%100
28	MP4C	Z	.621	.621	0	%100
29	MP3C	X	0	0	0	%100
30	MP3C	Z	.621	.621	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	.621	.621	0	%100
33	MP1C	X	0	0	0	%100
34	MP1C	Z	.621	.621	0	%100
35	MP5B	X	0	0	0	%100
36	MP5B	Z	.621	.621	0	%100
37	MP4B	X	0	0	0	%100
38	MP4B	Z	.621	.621	0	%100
39	MP3B	X	0	0	0	%100
40	MP3B	Z	.621	.621	0	%100
41	MP2B	X	0	0	0	%100
42	MP2B	Z	.621	.621	0	%100
43	MP1B	X	0	0	0	%100
44	MP1B	Z	.621	.621	0	%100
45	M61	X	0	0	0	%100
46	M61	Z	.573	.573	0	%100
47	M62	X	0	0	0	%100
48	M62	Z	0	0	0	%100
49	M63	X	0	0	0	%100
50	M63	Z	.664	.664	0	%100
51	M57	X	0	0	0	%100
52	M57	Z	.664	.664	0	%100
53	M58	X	0	0	0	%100
54	M58	Z	.664	.664	0	%100
55	M59	X	0	0	0	%100
56	M59	Z	.664	.664	0	%100
57	M60	X	0	0	0	%100
58	M60	Z	0	0	0	%100
59	M61A	X	0	0	0	%100
60	M61A	Z	0	0	0	%100
61	M63A	X	0	0	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,%]
62	M63A	Z	0	0	0	%100
63	M72A	X	0	0	0	%100
64	M72A	Z	.197	.197	0	%100
65	M71A	X	Q	0	0	%100
66	M71A	Z	.049	.049	0	%100
67	M72B	X	0	0	0	%100
68	M72B	Z	.049	.049	0	%100
69	M74A	X	0	0	0	%100
70	M74A	Z	.566	.566	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	.463	.463	0	%100
73	M71	X	0	0	0	%100
74	M71	Z	.463	.463	0	%100
75	M75A	X	0	0	0	%100
76	M75A	Z	.463	.463	0	%100
77	M77A	X	0	0	0	%100
78	M77A	Z	.463	.463	0	%100
79	M79A	X	0	0	0	%100
80	M79A	Z	.556	.556	0	%100
81	M80B	X	0	0	0	%100
82	M80B	Z	.556	.556	0	%100
83	M81	X	0	0	Ö	%100
84	M81	Z	.738	.738	Ö	%100
85	M82	X	0	0	Ö	%100
86	M82	Z	.738	.738	Ö	%100
87	M83	X	0	0	0	%100
88	M83	Z	.184	.184	Ö	%100
89	M84	X	0	0	0	%100
90	M84	Z	.184	.184	Ö	%100 %100
91	M85	X	0	0	Ō	%100 %100
92	M85	Z	.184	.184	Ö	%100 %100
93	M86	X	0	0	0	%100 %100
94	M86	Z	.184	.184	0	%100 %100
95	LV	X	0	0	0	%100 %100
96	LV	Z	.752	.752	Ö	%100 %100
97	M96	X	0	0	ő	%100 %100
98	M96	Z	.188	.188	0	%100 %100
99	M102	X	0	0	0	%100 %100
100	M102	Z	.188	.188	0	%100 %100
101	M109	X	0	0	0	%100 %100
102	M109	Z	.248	.248	0	%100
103	M110	X	0	0	0	%100 %100
104	M110	Ž	.248	.248	0	0/ / 0
105	M111	X	0	0	0	%100 %100
106	M111	Ž	.993	.993	0	%100 %100
107	M112	X	0	.993	0	
108	M112	Z	.631	.631	0	%100 %100
109	M113	X	0	0	0	%100 %100
110	M113	Z	.631	.631	0	%100 %100
111	M114	X	0	0	0	
112	M114	Z	.926	.926	0	%100
113	M115	X	.926	.926		%100
114	M115	Ž	.109	.109	0	%100
115	M116	X	0		0	%100
116	M116	Ž	.109	0	0	%100
117	M117	X	0	.109	0	%100
118	M117	Ž	.926	0	0	%100
110	141111		.520	.926	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.% %100
1	M40	X	096	096	0	%100 %100
2	M40	Z	.165	.165	0	
3	M41	X	096	096	0	%100
4	M41	Z	.165	.165	0	%100
5	M42	X	382	-,382	0	%100
6	M42	Z	.662	.662	0	%100
7	M43	X	093	093	0	%100
8	M43	Z	.16	.16	0	%100
9	M37A	X	277	277	0	%100
0	M37A	Z	.479	.479	0	%100
1	M38A	X	277	277	0	%100
2	M38A	Z	.479	.479	0	%100
3	M39A	X	0	0	0	%100
4	M39A	Z	0	0	0	%100
5	MP5A	X	311	311	0	%100
6	MP5A	Z	.538	.538	0	%100
7	MP4A	X	311	311	0	%100
8	MP4A	Z	.538	.538	0	%100
9	MP3A	X	311	311	0	%100
20	MP3A	Z	.538	.538	0	%100
	MP2A	X	311	311	0	%100
21	MP2A	Ž	.538	.538	0	%100
	MP1A	X	311	311	0	%100
23	MP1A	Z	.538	.538	0	%100
24	MP5C	X	311	-,311	0	%100
25	MP5C	Z	.538	.538	0	%100
26		X	311	311	0	%100
27	MP4C MP4C	Z	.538	.538	0	%100
28		X	311	311	0	%100
9	MP3C	Z	.538	.538	0	%100
30	MP3C	X	311	311	0	%100
31	MP2C	Z	.538	.538	0	%100
32	MP2C	X	311	311	0	%100
33	MP1C	Ž	.538	.538	0	%100
34	MP1C	X	311	311	0	%100
35	MP5B	Ž	.538	.538	0	%100
36	MP5B	X	311	311	0	%100
37	MP4B	Z	.538	.538	0	%100
38	MP4B		311	311	0	%100
39	MP3B	X 7	.538	.538	0	%100
40	MP3B		311	311	0	%100
11	MP2B	X Z	.538	.538	0	%100
12	MP2B		311	311	0	%100
13	MP1B	X	.538	.538	Ö	%100
14	MP1B	Z	382	382	Ö	%100
45	M61	X	.662	.662	Ö	%100
46	M61	Z	111	111	Ö	%100
47	M62	X	.192	.192	Ö	%100
48	M62	Z		111	Ö	%100
49	M63	X	111 .192	.192	Ö	%100
50	M63	Z		111	0	%100
51	M57	X	111	.192	Ö	%100
52	M57	Z	.192	443	0	%100
53	M58	X	443	.767	0	%100
54	M58	Z	.767		0	%100
55	M59	X	443	443	0	%100 %100
56	M59	Z	.767	.767 111	0	%100
57	M60	X	111			70100



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

58	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,F.		End Location[ft,%]
	M60	Z	.192	.192	0	%100
59	M61A	X	077	077	0	%100
60	M61A	Z	.134	.134	0	%100
61	M63A	X	077	077	0	%100
62	M63A	Z	.134	.134	0	%100
63	M72A	X	074	074	0	%100
64	M72A	Z	.128	.128	0	%100
65	M71A	X	074	074	0	%100
66	M71A	Z	.128	.128	0	%100
67	M72B	X	0	0	0	%100
68	M72B	Z	0	0	0	%100 %100
69	M74A	X	283	283	0	%100 %100
70	M74A	Z	.49	.49	0	%100 %100
71	M69	X	077	077	0	
72	M69	Z	.134	.134		%100
73	M71	X	077		0	%100
74	M71	Z		077	0	%100
75	M75A	X	.134	.134	0	%100
76	M75A	Z	309	309	0	%100
77			.535	.535	0	%100
78	M77A	X	309	309	0	%100
	M77A	Z	.535	.535	0	%100
79	M79A	X	093	093	0	%100
80	M79A	Z	.16	.16	0	%100
81	M80B	X	371	371	0	%100
82	M80B	Z	.642	.642	0	%100
83	M81	X	277	277	0	%100
84	M81	Z	.479	.479	0	%100
85	M82	X	277	277	Ö	%100 %100
86	M82	Z	.479	.479	Ŏ	%100 %100
87	M83	X	277	277	0	%100 %100
88	M83	Z	.479	.479	0	%100 %100
89	M84	X	277	277	0	
90	M84	Z	.479	.479	0	%100
91	M85	X	0			%100
92	M85	Z	0	0	0	%100
93	M86	X		0	0	%100
94	M86	Z	0	0	0	%100
95	LV		0	0	0	%100
96	LV	X	282	282	0	%100
97		Z	.488	.488	0	%100
	M96	X	282	282	0	%100
98	M96	Z	.488	.488	0	%100
99	M102	X	0	0	0	%100
00	M102	Z	0	0	0	%100
01	M109	X	372	372	0	%100
02	M109	Z	.645	.645	0	%100
03	M110	X	0	0	0	%100 %100
04	M110	Z	0	0	Ö	%100 %100
05	M111	X	372	372	0	%100 %100
06	M111	Z	.645	.645	0	%100 %100
07	M112	X	092	092	0	%100 %100
08	M112	Z	.16	.16	0	
09	M113	X	501	501		%100
10	M113	Z	.867		0	%100
11	M114	X		.867	0	%100
12	M114 M114	X 7	501	501	0	%100
13		Z	.867	.867	0	%100
	M115	X	092	092	0	%100
14	M115	Z	.16	.16	0	%100



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

MOINE	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
115	M116	X	24	24	0	%100
		7	.416	.416	0	%100
116	M116	- -	0.4	24	0	%100
111	<u>M117</u>		<u>24</u>	.416	n	%100
118	M117		.416	.410	0	70.00

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	M40	X	496	496	0	%100
2	M40	Z	.287	.287	0	%100
3	M41	X	0	0	0	%100
4	M41	Z	0	0	0	%100
5	M42	X	496	496	0	%100
	M42	Z	.287	.287	0	%100
6	M43	X	481	481	0	%100
7	M43	Z	.278	.278	0	%100
8		X	16	16	0	%100
9	M37A	Z	.092	.092	0	%100
10	M37A	X	639	639	0	%100
11	M38A	Z	.369	.369	0	%100
12	M38A	X	16	16	0	%100
13	M39A	Z	.092	.092	0	%100
14	M39A		538	538	0	%100
15	MP5A	X	.311	.311	0	%100
16	MP5A	Z	538	538	0	%100
17	MP4A	X		.311	Ö	%100
18	MP4A	Z	.311	538	0	%100
19	MP3A	X	538	.311	0	%100
20	MP3A	Z	.311	538	0	%100
21	MP2A	X	538	.311	0	%100
22	MP2A	Z	.311		0	%100 %100
23	MP1A	X	538	538	0	%100 %100
24	MP1A	Z	.311	.311	0	%100 %100
25	MP5C	X	538	538	0	%100 %100
26	MP5C	Z	.311	.311		%100 %100
27	MP4C	X	538	538	0	%100 %100
28	MP4C	Z	.311	.311	0	%100 %100
29	MP3C	X	538	538	0	%100 %100
30	MP3C	Z	.311	.311	0	
31	MP2C	X	538	538	0	%100
32	MP2C	Z	.311	.311	0	%100
33	MP1C	X	538	538	0	%100
34	MP1C	Z	.311	.311	0	%100
35	MP5B	X	538	538	0	%100
36	MP5B	Z	.311	.311	0	%100
37	MP4B	X	538	538	0	%100
38	MP4B	Z	.311	.311	0	%100
39	MP3B	X	538	538	0	%100
40	MP3B	Z	.311	.311	0	%100
41	MP2B	X	538	538	0	%100
42	MP2B	Z	.311	.311	0	%100
43	MP1B	X	538	538	0	%100
	MP1B	Z	.311	.311	0	%100
44	M61	X	496	496	0	%100
45		Z	.287	.287	0	%100
46	M61	X	575	575	0	%100
47	M62	Ž	.332	.332	0	%100
48 49	M62 M63	X	0	0	0	%100

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

50	Member Label M63	Direction Z		.End Magnitude[lb/ft,F		End Location[ft,%]
51	M57	X	0	0	0	%100
52	M57	Ž	0	0	0	%100
53	M58	X	575	0	0	%100
54	M58	Z	.332	575	0	%100
55	M59	X		.332	0	%100
56	M59	Ž	575	575	0	%100
57	M60	X	.332	.332	0	%100
58	M60	Ž	575	575	0	%100
59	M61A		.332	.332	0	%100
60	M61A	Z	401	401	0	%100
61	M63A	X	.232	.232	0	%100
62	M63A		401	401	0	%100
63	M72A	Z	.232	.232	0	%100
64	M72A	Z	043	043	0	%100
65	M71A	X	.025	.025	0	%100
66	M71A		171	171	0	%100
67	M72B	Z	.099	.099	0	%100
68	M72B	Z	043	043	0	%100
69	M74A		.025	.025	0	%100
70	M74A	Z	49	49	0	%100
71	M69		.283	.283	0	%100
72		X	0	0	0	%100
73	M69	Z	0	0	0	%100
74	M71	X	0	0	0	%100
75	M71	Z	0	0	0	%100
	M75A	X	401	401	0	%100
76	M75A	Z	.232	.232	0	%100
77	M77A	X	401	401	0	%100
78	M77A	Z	.232	.232	0	%100
79	M79A	X	0	0	0	%100
80	M79A	Z	0	0	0	%100
81	M80B	X	481	481	0	%100
82	M80B	Z	.278	.278	0	%100
83	M81	X	16	16	0	%100
84	M81	Z	.092	.092	0	%100
85	M82	X	16	16	0	%100
86	M82	Z	.092	.092	0	%100
87	M83	X	639	639	0	%100
88	M83	Z	.369	.369	0	%100
89	M84	X	639	639	0	%100
90	M84	Z	.369	.369	0	%100
91	M85	X	16	16	0	%100
92	M85	Z	.092	.092	0	%100
93	M86	X	16	16	0	%100
94	M86	Z	.092	.092	0	%100
95	LV	X	163	163	0	%100
96	LV	Z	.094	.094	0	%100
97	M96	X	651	651	0	%100
98	M96	Z	.376	.376	0	%100
99	M102	X	163	163	0	%100
100	M102	Z	.094	.094	0	%100
101	M109	X	86	86	0	%100
102	M109	Z	.496	.496	0	%100
103	M110	X	215	215	0	%100
104	M110	Z	.124	.124	0	%100
105	M111	X	215	215	0	%100
106	M111	Z	.124	.124	0	%100



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

	122 W 15 BAT	Direction	Start Magnitude[lh/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
	Member Label	Direction	095	095	0	%100
107	M112	X			0	%100
108	M112		.055	.055	0	
109	M113	X	802	802	Q	%100
	M113	7	.463	.463	0	%100
110		V	546	546	0	%100
111	M114			.315	0	%100
112	M114		.315		0	%100
113	M115	X	546	546	0	
114	M115	7	.315	.315	0	%100
		Y	802	802	0	%100
115	M116	1 7	.463	.463	0	%100
116	M116				0	%100
117	M117	X	095	095	0	
118	M117	Z	.055	.055	U	%100

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

	er Distributed Lo	Direction	Start Magnitude[lb/ft	. End Magnitude[lb/ft,F.	. Start Location[ft,%]	End Location[ft,%]
1	Member Label M40	X	764	764	0	%100
1		Z	0	0	0	%100
2	M40	X	191	191	0	%100
3	M41	Ž	0	0	0	%100
4	M41	X	191	191	0	%100
5	M42	Ž	0	0	0	%100
6	M42	X	741	741	0	%100
7	M43	Z	0	0	0	%100
8	M43	X	0	0	0	%100
9	M37A	Ž	0	0	0	%100
10	M37A	X	553	553	0	%100
11	M38A	Z	0	0	0	%100
12	M38A	X	553	553	0	%100
13	M39A	Z	0	0	0	%100
14	M39A		621	621	0	%100
15	MP5A	X	02	0	0	%100
16	MP5A	Z	621	621	0	%100
17	MP4A	X	021	0	0	%100
18	MP4A	Z	621	621	0	%100
19	MP3A	X	0	0	Ö	%100
20	MP3A	Z	621	621	0	%100
21	MP2A	X		0	0	%100
22	MP2A	Z	0	621	0	%100
23	MP1A	X	621	021	0	%100
24	MP1A	Z	0	621	0	%100
25	MP5C	X	621	021	0	%100
26	MP5C	Z	0	621	0	%100
27	MP4C	X	621		0	%100
28	MP4C	Z	0	0	0	%100
29	MP3C	X	621	621	0	%100
30	MP3C	Z	0	0	0	%100
31	MP2C	X	621	621	0	%100
32	MP2C	Z	0	0		%100
33	MP1C	X	621	621	0	%100 %100
34	MP1C	Z	0	0	0	%100 %100
35	MP5B	X	621	621	0	%100
36	MP5B	Z	0	0	0	%100 %100
37	MP4B	X	621	621	0	%100 %100
38	MP4B	Z	0	0	0	
39	MP3B	X	621	621	0	%100
40	MP3B	Z	0	0	0	%100 %100
41	MP2B	X	621	621	0	%100



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

42	Member Label MP2B	Direction	Start Magnitude[lb/ft,	End Magnitude(lb/ft,F		End Location[ft,%]
43	MP1B	Z	0	0	0	%100
44	MP1B	X	621	621	0	%100
45	M61	Z	0	0	0	%100
46	M61	X	191	191	0	%100
47		Z	0	0	0	%100
48	M62	X	886	886	0	%100
	M62	Z	0	0	0	%100
49	M63	X	221	221	0	%100
50	M63	Z	0	0	0	%100
51	M57	X	221	221	0	%100
52	M57	Z	0	0	0	%100
53	M58	X	221	221	0	%100
54	M58	Z	0	0	0	%100
55	M59	X	221	221	0	%100
56	M59	Z	0	0	0	%100
57	M60	X	886	886	0	%100
58	M60	Z	0	0	0	%100
59	M61A	X	618	618	0	%100
60	M61A	Z	0	0	0	%100
61	M63A	X	618	618	0	%100
62	M63A	Z	0	0	0	%100
63	M72A	X	0	0	0	%100
64	M72A	Z	0	0	0	%100
65	M71A	X	148	148	0	%100
66	M71A	Z	0	0	0	%100
67	M72B	X	148	148	0	%100
68	M72B	Z	0	0	0	%100
69	M74A	X	566	566	0	%100
70	M74A	Z	0	0	0	%100
71	M69	X	154	154	0	%100
72	M69	Z	0	0	0	%100
73	M71	X	154	154	0	%100
74	M71	Z	0	0	0	%100
75	M75A	X	154	154	0	%100
76	M75A	Z	0	0	0	%100
77	M77A	X	154	154	0	%100
78	M77A	Z	0	0	0	%100
79	M79A	X	185	185	0	%100
80	M79A	Z	0	0	0	%100
81	M80B	X	185	185	0	%100
82	M80B	Z	0	0	0	%100
83	M81	X	0	0	0	%100
84	M81	Z	0	0	0	%100
85	M82	X	0	0	0	%100
86	M82	Z	0	0	0	%100
87	M83	X	553	553	0	%100
88	M83	Z	0	0	Ö	%100 %100
89	M84	X	553	553	0	%100 %100
90	M84	Z	0	0	Ö	%100
91	M85	X	553	553	0	%100 %100
92	M85	Z	0	0	Ö	%100
93	M86	X	553	553	0	%100 %100
94	M86	Z	0	0	0	%100 %100
95	LV	X	0	0	0	%100
96	LV	Z	Ö	0	0	%100
97	M96	X	564	564	0	%100 %100
98	M96	Z	0	0	0	%100 %100



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

	Member Label	Direction	Start MagnitudeIlb/ft	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
00	M102	X	564	564	0	%100
99	And the Control of th	7	0	0	0	%100
100	M102	- Z	745	745	0	%100
101	M109	+	/43	0	0	%100
102	M109			745	0	%100
103	M110	X	745		0	%100
104	M110	Z	0	0	0	%100 %100
105	M111	X	0	0	0	
106	M111	Z	0	0	0	%100
107	M112	X	48	48	0	%100
108	M112	7	0	0	0	%100
	M113	X	48	48	0	%100
109		7	0	0	0	%100
110	M113	X	185	185	0	%100
111	M114	2	0	0	0	%100
112	M114			-1.001	0	%100
113	M115		-1.001	-1.001	0	%100
114	M115	Z	0	1 001	0	%100
115	M116	X	-1.001	-1.001	0	%100
116	M116	Z	0	0	0	
117	M117	X	185	185	0	%100
118	M117	Z	0	0	0	%100

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

	er Distributed Lo	Direction		.End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%
4	Member Label M40	X	496	496	0	%100
1		Z	287	287	0	%100
2	M40	X	496	496	0	%100
3	M41	Z	287	287	0	%100
4	M41	X	0	0	0	%100
5	M42	Z	0	0	0	%100
6	M42	X	481	481	0	%100
7	M43	Z	278	278	0	%100
8	M43		16	16	0	%100
9	M37A	X	092	092	0	%100
10	M37A	Z	16	16	0	%100
11	M38A	X	092	092	0	%100
12	M38A	Z		639	0	%100
13	M39A	X	639	369	0	%100
14	M39A	Z	369	-,538	0	%100
15	MP5A	X	538	311	Ö	%100
16	MP5A	Z	311	538	0	%100
17	MP4A	X	538		0	%100 %100
18	MP4A	Z	311	311	0	%100 %100
19	MP3A	X	538	538	0	%100 %100
20	MP3A	Z	311	311		%100 %100
21	MP2A	X	538	538	0	%100 %100
22	MP2A	Z	311	311	0	%100 %100
23	MP1A	X	538	538	0	%100
24	MP1A	Z	311	311	0	%100 %100
25	MP5C	X	538	538	0	
26	MP5C	Z	311	311	0	%100
27	MP4C	X	538	538	0	%100
28	MP4C	Z	311	311	0	%100
29	MP3C	X	538	538	0	%100
30	MP3C	Z	311	311	0	%100
31	MP2C	X	538	538	0	%100
32	MP2C	Z	311	311	0	%100
33	MP1C	X	538	538	0	%100



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

04	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F.,	Start Location[ft,%]	End Location[ft,%]
34	MP1C	Z	311	311	0	%100
35	MP5B	X	538	538	0	%100
36	MP5B	Z	311	311	0	%100
37	MP4B	X	538	538	0	%100
38	MP4B	Z	311	311	0	%100
39	MP3B	X	538	538	0	%100
40	MP3B	Z	311	311	0	%100
41	MP2B	X	538	538	0	%100
42	MP2B	Z	311	311	0	%100
43	MP1B	X	538	538	0	%100
44	MP1B	Z	311	311	0	%100
45	M61	X	0	0	0	%100
46	M61	Z	0	0	0	%100
47	M62	X	575	575	0	%100
48	M62	Z	332	332	0	%100
49	M63	X	575	575	0	%100
50	M63	Z	332	332	0	%100
51	M57	X	575	575	0	%100
52	M57	Z	332	332	0	%100
53	M58	X	0	0	0	%100
54	M58	Z	0	0	0	%100
55	M59	X	0	0	0	%100
56	M59	Z	0	0	0	%100
57	M60	X	575	575	0	%100
58	M60	Z	332	332	Ö	%100
59	M61A	X	401	401	0	%100
60	M61A	Z	232	232	Ö	%100
61	M63A	X	401	401	Ö	%100 %100
62	M63A	Z	232	232	Ö	%100
63	M72A	X	043	043	0	%100
64	M72A	Z	025	025	ŏ	%100
65	M71A	X	043	043	Ö	%100 %100
66	M71A	Z	025	025	Ö	%100 %100
67	M72B	X	171	171	0	%100
68	M72B	Z	099	099	ő	%100 %100
69	M74A	X	49	49	0	%100 %100
70	M74A	Z	283	283	0	%100
71	M69	X	401	401	0	%100 %100
72	M69	Z	232	232	Ö	%100 %100
73	M71	X	401	401	0	%100 %100
74	M71	Z	232	232	0	%100 %100
75	M75A	X	0	0	0	%100 %100
76	M75A	Z	Ö	0	0	
77	M77A	X	0	0	0	%100 %100
78	M77A	Z	0	0	0	%100
79	M79A	X	481	481	0	%100 %100
80	M79A	Z	278	278	0	
81	M80B	X	0	0	0	%100 %100
82	M80B	Z	0	0	0	%100 %100
83	M81	X	16	16	0	%100 %100
84	M81	Z	092	092	0	%100 %100
85	M82	X	16			%100
86	M82	Ž	092	16 092	0	%100
87	M83	X			0	%100
88	M83	Z	16 092	16	0	%100
89	M84	X		092	0	%100
90	M84	Z	16	16	0	%100
-00	IVIOT		092	092	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,%]
01	M85	X	639	639	0	%100
91	M85	Z	369	369	0	%100
92	M86	X	639	639	0	%100
93		Z	369	369	0	%100
94	M86	X	163	163	0	%100
95	LV	Z	094	094	0	%100
96	LV	X	163	163	0	%100
97	M96	ż	094	094	0	%100
98	M96	X	651	651	0	%100
99	M102		376	376	0	%100
100	M102	Z	215	215	0	%100
101	M109	X	124	124	0	%100
102	M109	Z	86	86	0	%100
103	M110	X		496	0	%100
104	M110	Z	496 215	215	0	%100
105	M111	X		124	0	%100
106	M111	Z	124	802	0	%100
107	M112	X	802		0	%100
108	M112	Z	-,463	463	0	%100
109	M113	X	095	095	0	%100
110	M113	Z	055	055	0	%100
111	M114	X	095	095	0	%100
112	M114	Z	055	055		%100
113	M115	X	802	802	0	%100 %100
114	M115	Z	463	463	0	%100 %100
115	M116	X	546	546	0	
116	M116	Z	-,315	315	0	%100
117	M117	X	546	546	0	%100
118	M117	Z	315	315	0	%100

Member Distributed Loads (BLC 76: Structure Wm (330 Deg))

	Member Label	Direction		.End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft.%]
4	M40	X	096	096	0	%100
-		Z	165	165	0	%100
2	M40	X	382	382	0	%100
3	M41	7	662	662	0	%100
4	M41		096	096	0	%100
5	M42	X 7	165	165	0	%100
6	M42			093	0	%100
7	M43	<u>X</u>	093	16	0	%100
8	M43	Z	16		0	%100
9	M37A	X	277	277	0	%100
10	M37A	Z	479	479	0	%100
11	M38A	X	0	0	0	%100 %100
12	M38A	Z	0	0		%100 %100
13	M39A	X	277	277	0	
14	M39A	Z	479	479	0	%100
15	MP5A	X	311	311	0	%100
16	MP5A	Z	538	538	0	%100
17	MP4A	X	311	311	0	%100
18	MP4A	7	538	538	0	%100
19	MP3A	X	311	311	0	%100
	MP3A	Z	538	538	0	%100
20	MP2A	X	311	311	0	%100
21		7	538	538	0	%100
22	MP2A	X	311	311	0	%100
23	MP1A	7	538	538	0	%100
24	MP1A	X	311	311	0	%100
25	MP5C		011			



Member Distributed Loads (BLC 76: Structure Wm (330 Deg)) (Continued)

26	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F.,		End Location[ft,%]
26	MP5C	Z	538	538	0	%100
27	MP4C	X	311	311	0	%100
28	MP4C	Z	538	538	0	%100
29	MP3C	X	311	311	0	%100
30	MP3C	Z	538	538	0	%100
31	MP2C	X	311	311	0	%100
32	MP2C	Z	538	538	0	%100
33	MP1C	X	311	311	0	%100
34	MP1C	Z	538	538	0	%100
35	MP5B	X	311	311	0	%100
36	MP5B	Z	538	538	0	%100
37	MP4B	X	311	311	0	%100
38	MP4B	Z	538	538	Ö	%100 %100
39	MP3B	X	311	311	0	%100 %100
40	MP3B	Z	538	538	0	%100 %100
41	MP2B	X	311	311	0	%100 %100
42	MP2B	Z	538	538	0	
43	MP1B	X	311	311		%100 %100
44	MP1B	Ž	538	538	0	%100
45	M61	X	096		0	%100
46	M61	Ž		096	0	%100
47	M62	X	165	165	0	%100
48	M62		111	111	0	%100
49	M63	Z	192	192	0	%100
50		X	443	443	0	%100
	M63	Z	767	767	0	%100
51	M57	X	443	443	0	%100
52	M57	Z	767	767	0	%100
53	M58	X	111	111	0	%100
54	M58	Z	192	192	0	%100
55	M59	X	111	111	0	%100
56	M59	Z	192	192	0	%100
57	M60	X	111	111	0	%100
58	M60	Z	192	192	0	%100
59	M61A	X	077	077	0	%100
60	M61A	Z	-,134	134	0	%100
61	M63A	X	077	077	0	%100
62	M63A	Z	134	134	0	%100
63	M72A	X	074	074	0	%100
64	M72A	Z	128	128	0	%100
65	M71A	X	0	0	0	%100
66	M71A	Z	0	0	Ö	%100
67	M72B	X	074	074	Ö	%100 %100
68	M72B	7	128	128	ő	%100 %100
69	M74A	X	283	283	0	%100 %100
70	M74A	Z	49	49	0	%100 %100
71	M69		309	309	0	%100 %100
72	M69	X Z	535	535	0	
73	M71	X	309	309	0	%100 %100
74	M71	Z	535	535		%100
75	M75A	X	077		0	%100
76	M75A	Ž	134	077	0	%100
77	M77A			134	0	%100
78	M77A	X	077	077	0	%100
79	M79A	Z	134	134	0	%100
80		X	371	371	0	%100
	M79A	Z	642	642	0	%100
81	M80B	X	093	093	.0	%100
82	M80B	Z	16	16	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,%]
83	M81	X	277	277	0	%100
84	M81	Z	479	479	0	%100
85	M82	X	277	277	0	%100
86	M82	Z	479	479	0	%100
87	M83	X	0	0	0	%100
88	M83	Z	0	0	0	%100
89	M84	X	0	0	0	%100
90	M84	Z	0	0	0	%100
91	M85	X	277	277	0	%100
92	M85	Z	479	479	0	%100
	M86	X	277	277	0	%100
93	M86	7	479	479	0	%100
94	LV	X	282	282	0	%100
95	LV	7	488	488	0	%100
96		X	0	0	0	%100
97	M96	Z	0	0	0	%100
98	M96	X	282	282	0	%100
99	M102	Z	488	488	0	%100
100	M102	X	460	0	0	%100
101	M109	Z	0	0	0	%100
102	M109		372	372	0	%100
103	M110	X	645	645	0	%100
104	M110	Z	372	372	0	%100
105	M111	X	645	645	Ö	%100
106	M111	Z	501	501	0	%100
107	M112	X	867	867	0	%100
108	M112	Z	092	092	0	%100
109	M113	X		16	0	%100
110	M113	Z	16	24	0	%100
111	M114	X	24	416	0	%100
112	M114	Z	416		0	%100
113	M115	X	24	24	0	%100 %100
114	M115	Z	416	416		%100 %100
115	M116	X	092	092	0	%100 %100
116	M116	Z	16	16	0	
117	M117	X	501	501	0	%100 %100
118	M117	Z	867	867	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,%]
4	M37A	V	074	074	3.977	4.556
2	M62	Y	217	217	1.453	2.703
2	M60	Ÿ	217	217	.167	1.417
3	M61A	V	895	-2.417	0	.25
4	M61A	V	-2.417	-3.828	.25	.5
5	M61A	V	-3.828	-5.101	.5	.75
7	M61A	Ý	-5.101	-6.288	.75	11
8	M61A	Ý	-6.288	-7.417	1	1.25
9	M63A	Y	-1.437	-2.249	0	.25
10	M63A	Y	-2.249	-4.067	.25	.5
11	M63A	Ý	-4.067	-4.807	.5	.75
12	M63A	Y	-4.807	-5.728	.75	1
13	M63A	Ý	-5.728	-8.914	1	1.25
14	M81	Ý	-1.997	-5.16	0	.911
15	M81	Y	-5.16	-6.907	.911	1.822
16	M81	Y	-6.907	-6.912	1.822	2.733
17	M81	Y	-6.912	-5.131	2.733	3.644

Member Distributed Loads (BLC 87 : BLC 39 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F.	Start Location[ft,%]	End Location[ft,%]
18	M81	Υ	-5.131	-1.892	3.644	4.556
19	M82	Y	061	061	0	.587
20	M41	Y	-1.195	-4.047	0	.729
21	M41	Y	-4.047	-5.857	.729	1.458
22	M41	Y	-5.857	-4.917	1,458	2.188
23	M41	Y	-4.917	-3.768	2.188	2.917
24	M41	Y	-3.768	-4.116	2.917	3.646
25	M37A	Υ	884	-2.595	.456	1.67
26	M37A	Υ	-2.595	-2.51	1.67	2.885
27	M37A	Y	-2.51	629	2.885	4.1
28	M60	Y	-3.078	-2.595	0	1.722
29	M59	Y	-3.65	-2.024	1.148	2.869
30	M86	Y	629	-2.51	.456	1.67
31	M86	Y	-2.51	-2.595	1.67	2.885
32	M86	Y	-2.595	884	2.885	4.1
33	M39A	Y	83	83	4.428	4.556
34	M58	Y	217	217	.167	1.417
35	M59	Ý	217	217	1.453	2.703
36	M75A	Y	-1.027	-2.263	0	.25
37	M75A	Ý	-2.263	-3.69	.25	.5
38	M75A	Y	-3.69	-4.77	.5	.75
39	M75A	Y	-4.77	-6.285	.75	1
40	M75A	Y	-6.285	-8.775	1	1.25
41	M77A	Ý	959	-2.379	0	.25
42	M77A	Y	-2.379	-3.806	.25	.5
43	M77A	Ý	-3.806	-5.144	.5	.75
44	M77A	Ý	-5.144	-6.3	.75	1
45	M77A	Y	-6.3	-7.372	1	1.25
46	M85	Y	-1.826	-5.11	Ó	.911
47	M85	Ý	-5.11	-6.914	.911	1.822
48	M85	Y	-6.914	-6.91	1.822	2.733
49	M85	Y	-6.91	-5.162	2.733	3.644
50	M85	Y	-5.162	-1,997	3.644	4.556
51	M86	Y	074	074	0	.578
52	M40	Y	-1.396	-4.322	0	.729
53	M40	Ý	-4.322	-4.534	.729	1.458
54	M40	Ý	-4.534	-5.117	1.458	2.188
55	M40	Ý	-5.117	-5.523	2.188	2.917
56	M40	Ý	-5.523	-2.668	2.917	3.646
57	M39A	Ý	922	-2.612	.456	1.67
58	M39A	Y	-2.612	-2.509	1.67	2.885
59	M39A	Y	-2.509	612	2.885	4.1
60	M58	Y	-3.003	-2.612	0	1.722
61	M57	Y	-3.454	-2.161	1.148	2.869
62	M84	Y	612	-2.509	.456	
63	M84	Y	-2.509	-2.612	1.67	1.67 2.885
64	M84	Y	-2.612	922	2.885	4.1
65	M38A	Y	83	83	4.428	
66	M63	Y	217	217	.167	4.556 1.417
67	M57	Y	217	217	1.453	2.703
68	M69	Y	-1.027	-2.263	0	.25
69	M69	Y	-2.263	-3.69	.25	
70	M69	Y	-3.69	-4.77	.5	.5 75
71	M69	Y	-4.77	-6.285	.75	.75 1
72	M69	Y	-6.285	-8.775	./5	
73	M71	Y	959	-2.379	0	1.25
74	M71	Y	-2.379	-3.806	.25	.25
	1910 1		-2.313	-3.000	.25	.5



Member Distributed Loads (BLC 87 : BLC 39 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitudellb/ft	End Magnitude[lb/ft,F.	. Start Location[ft,%]	End Location[ft.%]
75	M71	Y	-3.806	-5.144	.5	.75
76	M71	Ý	-5.144	-6.3	.75	1
77	M71	Ý	-6.3	-7.372	1	1.25
78	M83	Y	-1.826	-5.11	0	.911
79	M83	Ÿ	-5.11	-6.914	.911	1.822
80	M83	V	-6.914	-6.91	1.822	2.733
	M83	v	-6.91	-5.162	2.733	3.644
81	M83	·	-5.162	-1.997	3.644	4.556
82	M84	V	074	074	0	.578
83		V	-1.396	-4.322	0	.729
84	M42	V	-4.322	-4.534	.729	1,458
85	M42	+ ·	-4.534	-5.117	1.458	2.188
86	M42	\ \ \ \ \ \ \ \	-5.117	-5.523	2.188	2,917
87	M42	Y		-2.668	2.917	3.646
88	M42	+ - × -	-5.523	-2.612	.456	1.67
89	M38A		922		1.67	2.885
90	M38A	Υ	-2.612	-2.509		4.1
91	M38A	Y	-2.509	612	2.885	1.722
92	M63	Y	-3.003	-2.612	0	
93	M62	Y	-3.454	-2.161	1.148	2.869
94	M82	Υ	612	-2.509	.456	1.67
95	M82	Υ	-2.509	-2.612	1.67	2.885
96	M82	Y	-2.612	922	2.885	4.1

Member Distributed Loads (BLC 88 : BLC 40 Transient Area Loads)

	Member Label	Direction	Start Magnitudellb/ft	.End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%
1	M37A	Y	144	144	3.977	4.556
2	M62	Ý	42	42	1.453	2.703
3	M60	Ý	42	42	.167	1.417
	M61A	Y	-1.861	-4.614	0	.25
5		Y	-4.614	-7.382	.25	.5
	M61A M61A	Y	-7.382	-9.976	.5	.75
6		Y	-9.976	-12.219	.75	1
7	M61A M61A	Y	-12.219	-14.297	1	1.25
8		Y	-1.991	-4.389	0	.25
9	M63A	Y	-4.389	-7.157	.25	.5
10	M63A	Y	-7.157	-9.251	.5	.75
11	M63A	Ÿ	-9.251	-12.189	.75	1
12	M63A	Y	-12.189	-17.019	1	1.25
13	M63A	Y	-3.866	-10.003	0	.911
14	M81	Y	-10.003	-13.394	.911	1.822
15	M81	Y	-13.394	-13.402	1.822	2.733
16	M81	Y	-13.402	-9.977	2.733	3.644
17	M81	Y	-9.977	-3.755	3.644	4.556
18	M81	Y	123	123	0	.587
19	M82	Y	-2.318	-7.849	0	.729
20	M41	Y	-7.849	-11.358	.729	1.458
21	M41	Y	-11.358	-9.536	1.458	2.188
22	M41	Y	-9.536	-7.308	2.188	2.917
23	M41	Y	-7.308	-7.983	2.917	3.646
24	M41		-1.715	-5.034	.456	1.67
25	M37A	Y		-4.869	1.67	2.885
26	M37A		-5.034	-1.22	2.885	4.1
27	M37A	Y	-4.869	-5.034	0	1.722
28	M60	Y	-5.97	-3.925	1.148	2.869
29	M59	Y	-7.079	-4.869	.456	1.67
30	M86	Y	-1.22		1.67	2.885
31	M86	Y	-4.869	-5.034	1.07	2.000

Member Distributed Loads (BLC 88 : BLC 40 Transient Area Loads) (Continued)

32	Member Label M86	Direction Y	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft,%] 2.885	End Location[ft,%]
33	M39A	Y	-1.61	-1.61	4.428	4.1 4.556
34	M58	Y	42	42	.167	1.417
35	M59	Y	42	42	1,453	2.703
36	M75A	Y	-1.991	-4.389	0	.25
37	M75A	Y	-4.389	-7.157	.25	.5
38	M75A	Y	-7.157	-7.15 <i>i</i> -9.251	.5	.75
39	M75A	Y	-9.251	-12.189	.75	1
40	M75A	Y	-12.189	-17.019	1	1.25
41	M77A	Y	-1.861	-4.614	0	.25
42	M77A	Y	-4.614	-7.382	.25	.5
43	M77A	Y	-7.382	-9.976	.5	.75
44	M77A	Ý	-9.976	-12.219	.75	1
45	M77A	Y	-12.219	-14.297	1	1.25
46	M85	Y	-3.542	-9.911	Ó	.911
47	M85	Y	-9.911	-13.409	.911	1.822
48	M85	Ý	-13.409	-13.401	1.822	2.733
49	M85	Y	-13.401	-10.011	2.733	3.644
50	M85	Y	-10.011	-3.873	3.644	4.556
51	M86	Y	-,144	-3.673	0	.578
52	M40	Y	-2.708	-8.377	0	.729
53	M40	Y	-8.377	-8.783	.729	1.458
54	M40	Y	-8.783	-9.924	1.458	2.188
55	M40	Ý	-9.924	-10.735	2.188	
56	M40	Y	-10.735	-5.218	2.100	2.917
57	M39A	Y	-1.768	-5.081	.456	3.646
58	M39A	Y	-5.081	-3.061	1.67	1.67
59	M39A	Y	-4.9	-1.225	2.885	2.885
60	M58	Y	-5.994	-5.081	2.000	4.1 1. 722
61	M38A	Y	-1.61	-1.61	4.428	
62	M63	Y	42	42	.167	4.556 1.417
63	M57	Y	42	42	1.453	
64	M69	Y	-1.991	-4.389		2.703
65	M69	Ý	-4.389	-4.369 -7.157	.25	.25
66	M69	Y	-7.157	-7.157 -9.251		.5
67	M69	Y	-9.251	-12.189	<u>.5</u> .75	.75
68	M69	Y	-12.189	-17.019	1	1 1 25
69	M71	Y	-1.861	-4.614	0	1.25
70	M71	Y	-4.614	-7.382	.25	.25 .5
71	M71	Y	-7.382	-9.976	.5	.75
72	M71	Y	-9.976	-12.219	.75	1
73	M71	Y	-12.219	-14.297	1	1.25
74	M83	Y				
75	M83	Y	-3.542 -9.911	-9.911 -13.409	.911	.911 1.822
76	M83	Y	-13.409	-13.409	1.822	2.733
77	M83	Y	-13,401	-10.011	2.733	3.644
78	M83	Y	-10.011	-3.873	3.644	
79	M84	Y	144	144	0	4.556
80	M57	Y	-6.699	-4.191		.578
81	M84	Y	-1.186	-4.191	1.148	2.869
82	M84	Y	-4.866		.456	1.67
83	M84	Y		-5.066 1.700	1.67	2.885
84	M42	Y	-5.066	-1.788	2.885	4.1
85	M42	Y	-2.707	-8.381	720	.729
86	M42	Y	-8.381	-8.793	.729	1.458
87	M42	Y	-8.793	-9.924	1.458	2.188
88	M42	Y	-9.924	-10.712	2.188	2.917
OO	17142		-10.712	-5.175	2.917	3.646



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,%]
00	M38A	V	-1.788	-5.066	.456	1.67
89	M38A	Ÿ	-5,066	-4.866	1.67	2.885
90		· ·	-4.866	-1.186	2.885	4.1
91	M38A M63	V	-5.824	-5.066	0	1.722
92	M62	·	-6.699	-4.191	1.148	2.869
93	M82	T V	-1.186	-4.866	.456	1.67
94	M82	Ý	-4.866	-5.066	1.67	2.885
95	M82	Y	-5.066	-1.788	2.885	4.1

Member Distributed Loads (BLC 89 : BLC 84 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%
1	M37A	Y	003	003	3.977	4.556
2	M62	Y	009	009	1.453	2.703
3	M60	Ý	009	009	.167	1.417
4	M61A	Y	036	098	0	.25
5	M61A	Y	098	155	.25	.5
6	M61A	Y	155	207	.5	.75
7	M61A	Ý	207	255	.75	1
8	M61A	Y	255	301	1 1	1.25
9	M63A	Y	058	091	0	.25
0	M63A	Y	091	165	.25	.5
1	M63A	Ý	-,165	195	.5	.75
2	M63A	Y	195	232	.75	1
13	M63A	Y	232	362	1	1.25
4	M81	Y	081	209	Ó	.911
5	M81	Ý	209	28	.911	1.822
6	M81	Ý	28	28	1.822	2.733
7	M81	Y	28	208	2.733	3.644
8	M81	Ý	208	077	3.644	4.556
9	M82	Ÿ	002	002	0	.587
	M41	Y	048	164	0	.729
20	M41	Ý	164	238	.729	1.458
21	M41	Y	238	2	1.458	2.188
22	M41	Y	2	153	2.188	2.917
23	M41	Y	153	167	2.917	3.646
24	M37A	Y	036	105	.456	1.67
25		Y	105	102	1.67	2.885
26	M37A M37A	Y	102	026	2.885	4.1
27	M60	Y	125	105	0	1.722
28		Y	148	082	1.148	2.869
9	M59	Y	026	102	.456	1.67
30	M86	Y	102	105	1.67	2.885
31	M86	Y	105	036	2.885	4.1
32	M86	Y	034	034	4.428	4.556
33	M39A	Y	009	009	.167	1.417
34	M58	Y	009	009	1.453	2.703
35	M59	Y	042	092	0	.25
36	M75A	Y	092	15	.25	.5
37	M75A	Y	15	194	.5	.75
38	M75A	Y	194	255	.75	1
39	M75A	Y	194	356	1	1.25
40	M75A		039	097	0	.25
11	M77A	Y	039	154	.25	.5
42	M77A	Y	154	209	.5	.75
43	M77A	Y	209	256	.75	1
14	M77A M77A	Y	256	299	1	1.25



Member Distributed Loads (BLC 89 : BLC 84 Transient Area Loads) (Continued)

46	Member Label M85	Direction	Start Magnitude[lb/ft,			End Location[ft,%]
47	M85	Y	074	207	0	.911
48	M85		207	281	.911	1.822
49	M85	Y	281	28	1.822	2.733
		Y	28	209	2.733	3.644
50	M85	Y	-,209	081	3.644	4.556
51	M86	Y	003	003	0	.578
52	M40	Y	057	175	0	.729
53	M40	Y	175	184	.729	1.458
54	M40	Y	184	208	1,458	2.188
55	M40	Y	208	224	2.188	2.917
56	M40	Y	224	108	2.917	3.646
57	M39A	Y	037	106	.456	1.67
58	M39A	Y	106	102	1.67	2.885
59	M39A	Y	-,102	025	2.885	4.1
60	M58	Y	122	106	0	1.722
61	M57	Y	14	088	1.148	2.869
62	M84	Y	025	102	.456	1.67
63	M84	Υ	102	106	1.67	2.885
64	M84	Y	106	037	2.885	4.1
65	M38A	Y	034	034	4.428	4.556
66	M63	Y	009	009	.167	1.417
67	M57	Y	009	009	1.453	2.703
68	M69	Υ	042	092	0	.25
69	M69	Υ	092	15	.25	.5
70	M69	Y	15	194	.5	.75
71	M69	Y	194	255	.75	1
72	M69	Y	255	356	71- X	1.25
73	M71	Υ	039	097	0	.25
74	M71	Y	097	154	.25	.5
75	M71	Y	154	209	.5	.75
76	M71	Y	209	256	.75	1
77	M71	Y	256	- 299	1	1.25
78	M83	Y	074	207	0	.911
79	M83	Y	207	281	.911	1.822
80	M83	Y	281	28	1.822	2.733
81	M83	Y	28	209	2.733	3.644
82	M83	Y	209	081	3.644	4.556
83	M84	Y	003	003	0.011	.578
84	M42	Y	057	175	Ö	.729
85	M42	Y	175	184	.729	1.458
86	M42	Y	184	208	1.458	2.188
87	M42	Y	208	224	2.188	2.100
88	M42	Y	224	108	2.917	3.646
89	M38A	Y	037	106	.456	1.67
90	M38A	Ý	106	102	1.67	2.885
91	M38A	Y	102	025		
92	M63	Y	122	106	2.885	4.1
93	M62	Y	122 14	106	<u>0</u> 1.148	1.722
94	M82	Y				2.869
95	M82	Y	025	102	.456	1.67
96	M82	Y	102	106	1.67	2.885
9U	IVIOZ	1Y	106	037	2.885	4.1

Member Distributed Loads (BLC 90 : BLC 85 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft.%]
1	M37A	Z	008	008	3.977	4.556
2	M62	Z	022	022	1.453	2.703



Member Distributed Loads (BLC 90 : BLC 85 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F.	Start Location[ft,%]	End Location[ft.% 1.417
3	M60	Z	022	022	0	.25
4	M61A	Z	091	245	.25	.5
5	M61A	Z	245	388	.5	.75
6	M61A	Z	388	517	.75	1
7	M61A	Z	517	637 752	1	1.25
3	M61A	Z	637		0	.25
9	M63A	Z	146	228	.25	.5
0	M63A	Z	228	-,412	.5	.75
1	M63A	Z	412	487	.75	1
2	M63A	Z	487	58 903	1	1.25
3	M63A	Z	58	523	0	.911
4	M81	Z	202		.911	1.822
5	M81	Z	523	7	1.822	2.733
6	M81	Z	7	7 52	2.733	3.644
7	M81	Z	7	192	3.644	4.556
8	M81	Z	52	006	0	.587
9	M82	Z	006	41	0	.729
0	M41	Z	121	594	.729	1.458
21	M41	Z	41		1.458	2.188
2	M41	Z	594	498 382	2.188	2.917
23	M41	Z	498	417	2.917	3.646
24	M41	Z	382	417	.456	1.67
25	M37A	Z	09	254	1.67	2.885
6	M37A	Z	263	064	2.885	4.1
27	M37A	Z	254		0	1.722
8	M60	Z	312	263	1.148	2.869
9	M59	Z	37	205	.456	1.67
30	M86	Z	064	254	1.67	2.885
31	M86	Z	254	263 09	2.885	4.1
32	M86	Z	263		4.428	4.556
33	M39A	Z	084	084 022	.167	1.417
34	M58	Z	022	022	1.453	2.703
35	M59	Z	022	022	0	.25
36	M75A	Z	104	374	.25	.5
37	M75A	Z	229	483	.5	.75
38	M75A	Z	374		.75	1
39	M75A	Z	483	637	1	1.25
10	M75A	Z	637	889	0	.25
11	M77A	Z	097	241	.25	.5
12	M77A	Z	241	386	.5	.75
13	M77A	Z	386	521	.75	1
14	M77A	Z	521	639	1	1.25
15	M77A	Z	639	747	0	.911
16	M85	Z	185	518	.911	1.822
17	M85	Z	518	701	1.822	2.733
18	M85	Z	701	7	2.733	3.644
19	M85	Z	7	523	3.644	4.556
50	M85	Z	523	202	3.644	.578
51	M86	Z	008	008	0	.729
52	M40	Z	141	438	.729	1.458
53	M40	Z	438	459		2.188
54	M40	Z	459	519	1.458	2.166
55	M40	Z	519	56	2.188	3,646
56	M40	Z	56	27	2.917	1.67
57	M39A	Z	093	265	.456	2.885
58	M39A	Z	265	254	1.67	4.1
59	M39A	Z	254	062	2.885	4,1



Member Distributed Loads (BLC 90 : BLC 85 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft.%]	End Location[ft,%]
60	M58	Z	304	265	0	1.722
61	M57	Z	35	219	1.148	2.869
62	M84	Z	062	254	.456	1.67
63	M84	Z	254	265	1.67	2.885
64	M84	Z	265	093	2.885	4.1
65	M38A	Z	084	084	4.428	4.556
66	M63	Z	022	022	.167	1.417
67	M57	Z	022	022	1.453	2.703
68	M69	Z	104	229	0	.25
69	M69	Z	229	374	.25	.5
70	M69	Z	374	483	.5	.75
71	M69	Z	483	637	.75	1
72	M69	Z	637	889	1	1.25
73	M71	Z	097	241	Ó	.25
74	M71	Z	241	386	.25	.5
75	M71	Z	386	521	.5	.75
76	M71	Z	521	639	.75	1
77	M71	Z	639	747	1	1.25
78	M83	Z	185	518	0	.911
79	M83	Z	518	701	.911	1.822
80	M83	Z	701	7	1.822	2.733
81	M83	Z	7	523	2.733	3.644
82	M83	Z	523	202	3.644	4.556
83	M84	Z	008	008	0	.578
84	M42	Z	141	438	0	.729
85	M42	Z	438	459	.729	1.458
86	M42	Z	459	519	1.458	2.188
87	M42	Z	519	-,56	2.188	2.917
88	M42	Z	56	27	2.917	3.646
89	M38A	Z	093	265	.456	1.67
90	M38A	Z	265	254	1.67	2.885
91	M38A	Z	254	062	2.885	4.1
92	M63	Z	304	265	0	1.722
93	M62	Z	35	219	1,148	
94	M82	Z	062	254	.456	2.869 1.67
95	M82	Z	254	265	1.67	2.885
96	M82	Z	265	093	2.885	<u>2.885</u> 4.1

Member Distributed Loads (BLC 91 : BLC 86 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft.%]	End Location[ft,%]
1	M37A	X	.008	.008	3.977	4.556
2	M62	X	.022	.022	1.453	2.703
3	M60	X	.022	.022	.167	1.417
4	M61A	X	.091	.245	0	.25
5	M61A	X	.245	.388	.25	.5
6	M61A	X	.388	.517	.5	.75
7	M61A	X	.517	.637	.75	1
8	M61A	X	.637	.752	1	1.25
9	M63A	X	.146	.228	0	.25
10	M63A	X	.228	.412	.25	.5
11	M63A	X	.412	.487	.5	.75
12	M63A	X	.487	.58	.75	1
13	M63A	X	.58	.903	1	1.25
14	M81	X	.202	.523	0	.911
15	M81	X	.523	7	.911	1.822
16	M81	X	.7	7	1.822	2.733



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Member Distributed Loads (BLC 91 : BLC 86 Transient Area Loads) (Continued)

	Member Label	Direction		.End Magnitude[lb/ft,F	Start Location[ft,%] 2.733	End Location[ft.% 3.644
17	M81	X	.7	.52	3.644	4.556
18	M81	X	.52	.006	0	.587
19	M82	X	.006	.41	0	.729
20	M41	X	.121	.594	.729	1.458
21	M41	X	.41	.498	1.458	2.188
22	M41	X	.594	.382	2.188	2.917
23	M41	X	.498	.417	2.917	3.646
24	M41	X	.382	.263	.456	1.67
25	M37A	X	.09	.254	1.67	2.885
26	M37A	X	,263	.064	2.885	4.1
27	M37A	X	.254	.263	0	1.722
28	M60	X	.312	.205	1.148	2.869
29	M59	X	.37	.254	.456	1.67
30	M86	X	.064	.263	1.67	2.885
31	M86	X	.254	.09	2,885	4.1
32	M86	X	.263	.084	4.428	4.556
33	M39A	X	.084	.022	.167	1.417
34	M58	X	.022	.022	1.453	2.703
35	M59	X	.022	.229	0	.25
36	M75A	X	.104	.374	.25	.5
37	M75A	X	.229	.483	.5	.75
38	M75A	X	.374	.637	.75	1
39	M75A	X	.483	.889	1	1.25
40	M75A	X	.637	.241	0	.25
41	M77A	X	.097	.386	.25	.5
12	M77A	X	.241	.521	.5	.75
43	M77A	X	.386	.639	.75	1
14	M77A	X	.521	.747	1	1.25
45	M77A	X	.639	.518	0	.911
46	M85	X	.185	.701	.911	1.822
47	M85	X	.518	7	1.822	2.733
48	M85	X	.701	.523	2.733	3.644
49	M85	X	.7	.202	3.644	4.556
50	M85	X	.523	.008	0	.578
51	M86	X	.008	.438	0	.729
52	M40	X	.141	.459	.729	1.458
53	M40	X	.438	.519	1.458	2.188
54	M40	X	.459	.56	2.188	2.917
55	M40	X	.519	.56	2.100	3.646
56	M40	X	.56	.265	.456	1.67
57	M39A	X	.093	.254	1.67	2.885
58	M39A	X	.265	.062	2.885	4.1
59	M39A	X	.254	.265	0	1.722
60	M58	X	.304	.219	1.148	2.869
61	M57	X	.35	.254	.456	1.67
62	M84	X	.062	.265	1.67	2.885
63	M84	X	.254	.093	2.885	4.1
64	M84	X	.265		4.428	4.556
65	M38A	X	.084	.084	.167	1.417
66	M63	X	.022	.022	1.453	2.703
67	M57	X	.022		0	.25
68	M69	X	.104	.229	.25	.5
69	M69	X	.229	.374	.5	.75
70	M69	X	.374	.483	.75	1
71	M69	X	.483	.637	1	1.25
72	M69	X	.637	.889	0	.25
73	M71	X	.097	.241		.20

Member Distributed Loads (BLC 91 : BLC 86 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location(ft %)	End Location[ft,%]
74	M71	X	.241	.386	.25	.5
75	M71	X	.386	.521	.5	.75
76	M71	X	.521	.639	.75	1
77	M71	X	.639	.747	1	1.25
78	M83	X	.185	.518	0	.911
79	M83	X	.518	.701	.911	1.822
80	M83	X	.701	7	1.822	2.733
81	M83	X	7	.523	2.733	3.644
82	M83	X	.523	.202	3.644	4.556
83	M84	X	.008	.008		
84	M42	X	.141	.438	Ö	.578 .729
85	M42	X	.438	.459	.729	1,458
86	M42	X	.459	.519	1.458	2.188
87	M42	X	.519	.56	2.188	2.917
88	M42	X	.56	.27	2.917	3.646
89	M38A	X	.093	.265	.456	1.67
90	M38A	X	.265	.254	1.67	2.885
91	M38A	X	.254	.062	2.885	4.1
92	M63	X	.304	.265	0	1.722
93	M62	X	.35	.219	1.148	2.869
94	M82	X	.062	.254	.456	1.67
95	M82	X	.254	.265	1.67	2.885
96	M82	X	.265	.093	2.885	4.1

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N145	N146	N115B	N113A	Y	Two Way	005
2	N113A	N144	N40	N145	Ý	Two Way	005
3	N156	N144	N40	N162	Ý	Two Way	005
4	N156	N155	N161	N162	Ý	Two Way	005
5	N155	N117	N38	N161	Ý	Two Way	005
6	N148	N117	N38	N154	Ý	Two Way	005
7	N148	N147	N153	N154	V	Two Way	005
8	N147	N116A	N42	N153	V	Two Way	005
9	N115B	N116A	N42	N146	Y	Two Way	005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N113A	N115B	N146	N145	Y	Two Way	01
2	N113A	N144	N40	N145	Y	Two Way	01
3	N156	N144	N40	N162	Y	Two Way	01
4	N156	N155	N161	N162	Ý	Two Way	01
5	N151A	N117	N38	N161	Ý	Two Way	01
6	N148	N147	N153	N154	Ý	Two Way	01
7	N148	N117	N38	N154	Ý	Two Way	01
8	N147	N116A	N42	N153	Ý	Two Way	01
9	N115B	N116A	N42	N146	Y	Two Way	01

Member Area Loads (BLC 84 : Structure Ev)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N145	N146	N115B	N113A	Y	Two Way	000211
2	N113A	N144	N40	N145	Y	Two Way	000211
3	N156	N144	N40	N162	Y	Two Way	000211
4	N156	N155	N161	N162	Ý	Two Way	000211



Member Area Loads (BLC 84 : Structure Ev) (Continued)

	V 831 W	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
F 1	Joint A	N117	N38	N161	Y	Two Way	000211
5	N155	N117	N38	N154	Y	Two Way	000211
6	N148	N147	N153	N154	Y	Two Way	000211
-	N148	N116A	N42	N153	Y	Two Way	000211
8	N147	N116A	N42	N146	Y	Two Wav	000211
9	N115B	INTIOA	IVTZ	11119			

Member Area Loads (BLC 85 : Structure Eh (0 Deg))

		Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
4 T	Joint A	N146	N115B	N113A	Z	Two Way	000527
2	N145	N144	N40	N145	Z	Two Way	000527
2	N113A	N144	N40	N162	Z	Two Wav	000527
3	N156	N155	N161	N162	Z	Two Way	000527
4	N156	N117	N38	N161	Z	Two Wav	000527
5	N155	N117	N38	N154	7	Two Way	000527
6	N148	N147	N153	N154	Z	Two Way	000527
4	N148	N116A	N42	N153	Z	Two Wav	000527
8	N147		N42	N146	Z	Two Way	000527
9	N115B	N116A	11442	14110			

Member Area Loads (BLC 86 : Structure Eh (90 Deg))

101111		Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
4	Joint A	N146	N115B	N113A	X	Two Way	.000527
1	N145	N144	N40	N145	X	Two Way	.000527
2	N113A	N144	N40	N162	X	Two Way	.000527
3	N156	N155	N161	N162	X	Two Way	.000527
4	N156	N117	N38	N161	X	Two Way	.000527
5	N155	N117	N38	N154	X	Two Way	.000527
6	N148	N147	N153	N154	X	Two Wav	.000527
7	N148		N42	N153	X	Two Way	.000527
8	N147	N116A N116A	N42	N146	X	Two Way	.000527
9	N115B	NITOA	INTZ	1,1110		-	

Envelope Joint Reactions

LIIVE	iope Joint	Mead	X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
4 1	Joint N45	max	1227.344	10	1104.123	19	552.184	1	2.094	13	1.522	4	.491	4
	1145		-1242.674		350.642	64	-4674.717	19	.526	7	-1.479	10	465	10
2	NIAAOA		551.58	9	945.791	15	2355.126	14	187	1	1.328	12	493	3
3	N149A	max	-4026.484	15	313.008	72	-467.642	8	-1.011	19	-1.309	6	-1.692	21
4	NIACAD	_	3979.09	23	1016.881	23	2354.646	13	248	1	1.345	8	1.833	16
5	N151B	max	-528.092	5	344.673	68	-465.323	7	-1.092	19	-1.32	2	.581	73
6	NOADA	min	250.477	4	1624.57	13	3654.803	13	0	31	0	4	0	4
	N212A	max	-410.306	34	502.564	71	1112.291	71	0	1	0	10	0	10
8	11044	min		21	1622.984	21	-529.763	68	0	12	0	12	0	6
9	N211	max	3188.56	65	501.585		-1813.904	_	0	6	0	6	0	12
10		min	973.609		1600.069		-545.374	72	Ŏ	2	0	8	0	2
11	N214	max		64			-1824.815		0	8	0	2	0	8
12			-3118.623		495.424	17	5124.124	1		-		1		
13	Totals:	max		10	7814.256	75		7						
14		min	-5119.595	4	2520.29	75	-5124.11			_				

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

		Chann	Code Check	Loc[ft]	LCS	Shear	Locifti	Dir	LC	phi*Pnc	phi*Pnt [phi*Mn y	phi*Mn zCb Eqn
	Member	Shape		LOUIS	lool	000	4 502		1	102225	120112	10 228	10.238 2 H1-1b
1	M40	HSS3X3X6	.081	3.4/2	20	.036	4.503	Z	4	103333	120142	10.230	10.230
_	1000000	110001010		2 472	16	.034	4 503	7	6	103335	128142	110 238	10.238 2H1-1b
2	M41	HSS3X3X6	.082	3.412	110	.034	7.000	14	U		120112	10.000	40.000 2 114.45
2		HSS3X3X6	.041	3 172	13	018	14.503	Ιz	2	103335	1128142	10.238	10.238 2 H1-1b
1 3	M42	HOOONO	.041	J.712	110	000	4 75	-	4	107111	100110	10 220	10 229 3 H1 1h
4	M43	HSS3X3X6	.262	4.75	116	.093	4.75	Z	4	107 144	120142	10.230	10.238 3 H1-1b

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

	88 3	1. V	0-10/. LIXI										LANGUAGE CAND AND
5	Member	Shape	Code Check	Loc[ft]		Shear				phi*Pnc			phi*Mn zCb Eqn
6	M37A	PIPE 3.0	.108	4.081	18		4.128	_	_	58349.0	65205	5.749	5.749 1 H1-1b
7	M38A	PIPE 3.0	.108	4.081	14	.082	4.128	-		58349.0	65205	5.749	5.749 1 H1-1b
	M39A	PIPE 3.0	.105	4.081	22	.086	4.128	⊢		58349.0	65205	5.749	5.749 1H1-1b
8	MP5A	PIPE 2.0	.179	5.396	50		3.5	-		17855.0	32130	1.872	1.872 1 H1-1b
9	MP4A	PIPE 2.0	.227	3.5	19		3.5	_	_	17855.0	32130	1.872	1.872 1 H1-1b
10	MP3A	PIPE 2.0	.411	3.5	19	.069	3.5	_	-	17855.0	32130	1.872	1.872 1H1-1b
11	MP2A	PIPE 2.0	.225	3.5	19	.198	3.5	_		17855.0	32130	1.872	1.872 1H1-1b
12	MP1A	PIPE 2.0	.167	3.5	13	.099	3.5			17855.0	32130	1.872	1.872 1 H1-1b
13	MP5C	PIPE 2.0	.173	3,5	8	.099	3.5		-	17855.0	32130	1.872	1.872 1 H1-1b
14	MP4C	PIPE 2.0	.227	3.5	15	.200	3.5			17855.0	32130	1.872	1.872 1H1-1b
15	MP3C	PIPE 2.0	.406	3.5	15	.068	3.5			17855.0	32130	1.872	1.872 1H1-1b
16	MP2C	PIPE 2.0	.217	3.5	15	.195	3.5		15	17855.0	32130	1.872	1.872 1 H1-1b
17	MP1C	PIPE 2.0	.168	3.5	21	.098	3.5		24	17855.0	32130	1.872	1.872 1H1-1b
18	MP5B	PIPE 2.0	.166	3.5	4	.099	3.5		15	17855.0	32130	1.872	1.872 1H1-1b
19	MP4B	PIPE 2.0	.218	3.5	22	.198	3.5		22	17855.0	32130	1.872	1.872 1 H1-1b
20	MP3B	PIPE 2.0	.401	3.427	3	.066	3.5		24	17855.0	32130	1.872	1.872 2H1-1b
21	MP2B	PIPE 2.0	.223	3.5	23	.196	3.5	Ī	23	17855.0	32130	1.872	1.872 1H1-1b
22	MP1B	PIPE 2.0	.193	3.5	31	.098	3.5		16	17855.0	32130	1.872	1.872 1H1-1b
23	M61	HSS3X3X6	.041	0	24	.018	4.503	z	2	103335	128142	10.238	10.238 2 H1-1b
24	M62	L2.25X1.5X4	.680	0	16	.057	0			15604.3	28350	.457	1.349 2 H2-1
25	M63	L2.25X1.5X4	.649	2.869	18	.055	2.869			15604.3	28350	.457	1.349 2. H2-1
26	M57	L2.25X1.5X4	.671	0	24	.056	0	7		15604.3	28350	.457	1.349 2 H2-1
27	M58	L2.25X1.5X4	.659	0	15	.055	2.869			15604.3	28350	.457	1.349 2 H2-1
28	M59	L2.25X1.5X4	.685	0	20	.057	0			15604.3	28350	.457	1.349 2. H2-1
29	M60	L2.25X1.5X4	.664	2.869	22	.056				15604.3	28350	.457	1.349 2 H2-1
30	M61A	L2x2x4	.031	.664	18	.006				28259.8	30585.6	.691	1.577 1 H2-1
31	M63A	L2x2x4	.033	.664	19	.006					30585.6	.691	1.577 1 H2-1
32	M72A	PL3/4x6	.115	.667	20	.210				109369	145800	2.278	18.225 1 H1-1b
33	M71A	PL3/4x6	.116	.667	15	.213	.667			109369	145800	2.278	18.225 1 H1-1b
34	M72B	PL3/4x6	.114	.667	24	.222	.667			109369	145800	2.278	18.225 1 H1-1b
35	M74A	PIPE 2.0	.129	3	11	.017	3	,	-	26521.4	32130	1.872	1.872 1H1-1b
36	M69	L2x2x4	.030	.677	15	.006	1.25	v		28259.8	30585.6	.691	1.577 1 H2-1
37	M71	L2x2x4	.033	.664	15	.006			-		30585.6	.691	1.577 1 H2-1
38	M75A	L2x2x4	.031	.677	22	.006	1.25	_	-		30585.6	.691	1.577 1 H2-1
39	M77A	L2x2x4	.033	.664	23	.006			-		30585.6	.691	1.577 1 H2-1
40	M79A	HSS3X3X6	.240	4.75	24	.060	-	z	-	107144	128142		10.238 3 H1-1b
41	M80B	HSS3X3X6	.259	4.75	20	.063	4.75	z		107144	128142	10.238	10.238 3H1-1b
42	M81	PIPE 3.0	.152	2.278	20	.085	0	_		58349.0	65205	5.749	5.749 1H1-1b
43	M82	PIPE 3.0	.112	.475	19	.084	1.803		-	58349.0	65205	5.749	5.749 1H1-1b
44	M83	PIPE 3.0	.148	2.278	14	.082	0			58349.0	65205	5.749	5.749 1H1-1b
45	M84	PIPE 3.0	.110	.475	15	.081	1.803			58349.0	65205	5.749	5.749 1H1-1b
46	M85	PIPE 3.0	.149	2.278	22	.086	0		-	58349.0	65205	5.749	5.749 1H1-1b
47	M86	PIPE 3.0	.107	.475	23		1.803			58349.0			
48	LV	PIPE 2.5	.284	2.417	19		2.417			10819.5	65205 50715	5.749 3. 59 6	5.749 1H1-1b 3.596 1H1-1b
49	M96	PIPE 2.5	.286	2.417	15		2.417			10819.5	50715	3.596	3.596 1 H1-1b
50	M102	PIPE 2.5	.285	2.417	23		3.172		_	10819.5	50715	3.596	3.596 1H1-1b
51	M109	L3X3X4	.284	0	20	.004	2.636			39999.4	46656		
52	M110	L3X3X4	.288	0	16	.004				39999.4	46656	1.688 1.688	3.697 1. H2-1
53	M111	L3X3X4	.285	0	24	.004				39999.4			3.703 1 H2-1
54	M112	L2.5x2.5x4	.180	2.278	23	.003	0	V	17	19587.8	46656	1.688	3.703 1 H2-1
55	M113	L2.5x2.5x4	.180	2.278	15	.004				19587.8	38556	1.114	2.295 1 H2-1
56	M114	L2.5x2.5x4	.181	2.278	19					19587.8	38556	1.114	2.295 1 H2-1
57	M115	L2.5x2.5x4	.178	2.278		.004	0	Z			38556	1.114	2.295 1 H2-1
58	M116	L2.5x2.5x4			23	.004	0	Z		19587.8	38556	1.114	2.295 1 H2-1
59	M117	L2.5x2.5x4 L2.5x2.5x4	.177	2.278	15	.004	0			19587.8	38556	1.114	2.295 1 H2-1
[22]	IVITE	LZ.5XZ.5X4]	.178	2.278	19	.004	0	Z	12	19587.8	38556	1.114	2.295 1 H2-1



Phi $*M_n$ (kip-in):

Plate Bending Utilization:

Client:	Verizon Wireless	Date: 7/7/2023
Site Name:	WATERBURY 3 CT	
MDG #:	5000386231	
Fuze ID #:	17041983	Page: 1
		Varsian 1 01

Version 1.01

I. Mount-to-Tower Connection Check

I. Mount-to-Tower Connection Check				
Custom Orientation Required	No			
Tower Connection Bolt Checks	Yes		DX.	1
Bolt Orientation	Parallel			-
Bolt Quantity per Reaction:	4)©	
d _x (in) (Delta X of typ. bolt config. sketch):	4			
d _y (in) (Delta Y of typ. bolt config. sketch):	4	ğ		₹
Bolt Type:	A325N			
Bolt Diameter (in):	0.625			1 3
Required Tensile Strength / bolt (kips):	3.2	- (€) ©	1
Required Shear Strength / bolt (kips):	0.8			
Tensile Capacity / bolt (kips):	20.7		. wı	
Shear Capacity / bolt (kips):	12.4			
Bolt Overall Utilization:	15.6%			
Tower Connection Baseplate Checks	Yes			
Connecting Standoff Member Shape:	Rect Tube			
Weld Stiffener Configuration:	No Stiffeners			-
Plate Width, D _x (in):	6			
Plate Height, D _y (in):	6			
W1(in):	3			
W2 (in):	3			\$
Member Thickness (in):	0.375		1 1	
Stiffener location a ₁ (in):			الـــــا	
Stiffener location b ₁ (in):				
Stiffener location a ₂ (in):				
			, wi	
Stiffener location b ₂ (in):	36			
F _y (ksi, plate):	0.75			
Plate Thickness (in):	4.19			
Length of Yield Line, Ly (in):		=		
Bolt Eccentricity, e (in):	1.06	-		
Mu (kip-in):	3.42	-		
	10.00	1		

19.09

17.9%

VzW SMART Tool® Vendor

Client:	Verizon Wireless	Date:	7/7/2023
Site Name:	WATERBURY 3 CT		
MDG #:	5000386231		
Fuze ID #:	17041983	Page:	2

Version 1.01

Tower Connection Weld Checks

Weld Shape:

Weld Stiffener Configuration: Stiffener Notch Length, n (in): Weld Size (1/16 in):

W1 (in):

W2 (in):

Weld Total Length (in):

 Z_x (in 3 /in):

 Z_y (in 3 /in):

 J_p (in⁴/in):

c_x (in)

c_y (in)

Required combined strength (kip/in):

Weld Capacity (kip/in):

Weld Utilization:

Rectangle
None
3
3
4
14.00
17.33
15.00
57.17
1.875

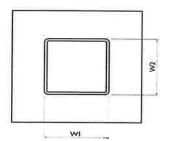
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1.22

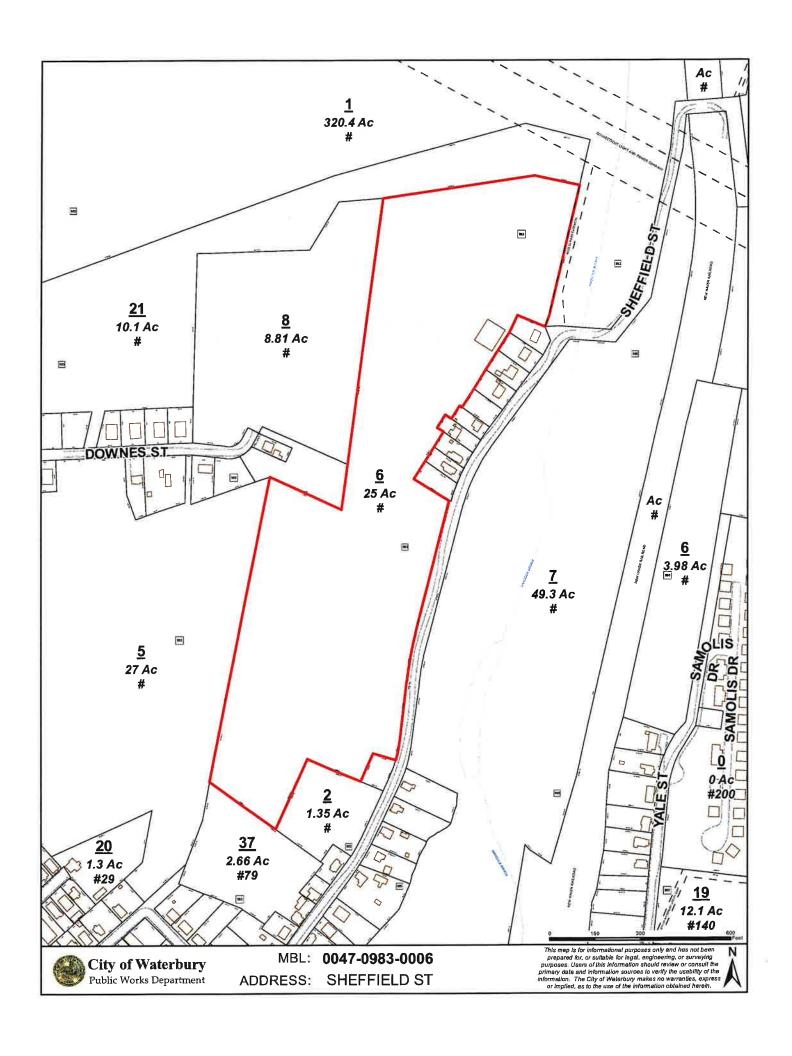
4.18

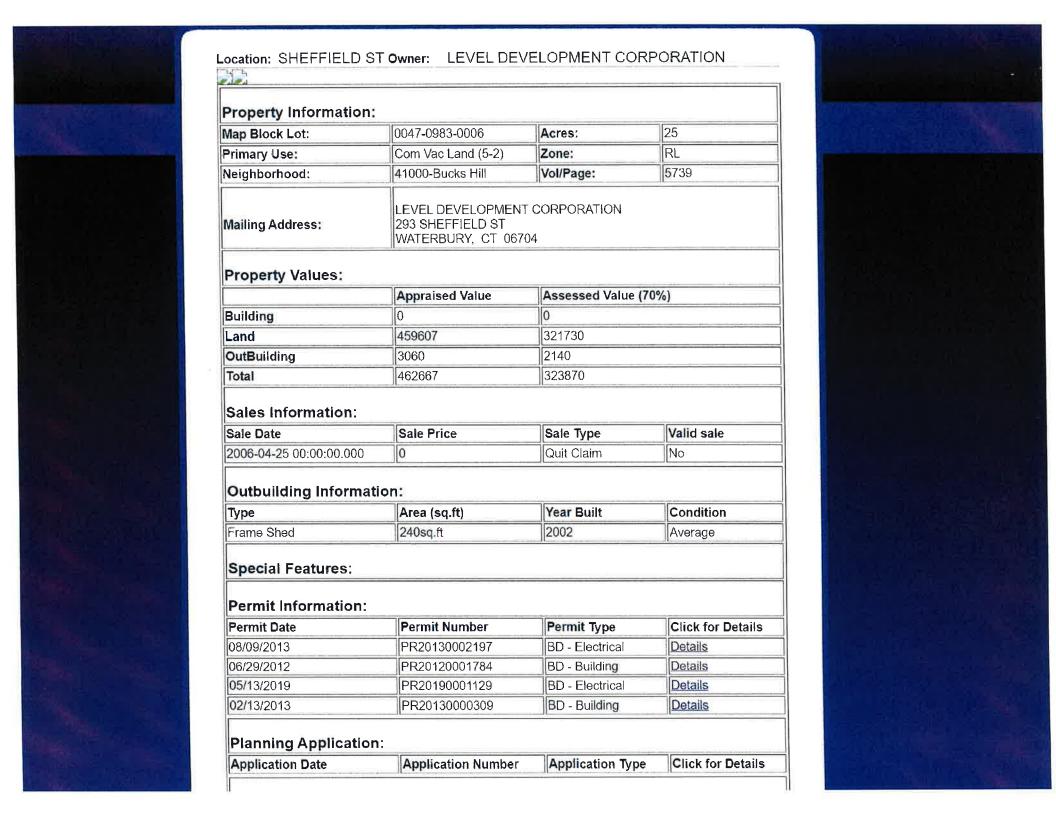
29.2%

Yes



ATTACHMENT 4





ATTACHMENT 5



Certificate of Mailing — Firm

TOTAL NO. of Pieces Listed by Sender of Pieces Received at F	Affix Stamp Here
Postmaster, per (name of receiving employee)	Postmark with Date of Receipt. neopost
Address	Postage Fee Special Handling Parcel Airlift
Neil M. O'Leary, Mayor City of Waterbury 235 Grand Street Waterbury, CT 06702 Robert Nerney, City Planner City of Waterbury 185 South Main Street, 5th Floor Waterbury, CT 06702 Level Development Corporation 293 Sheffield Street Waterbury, CT 06704	AUC 2 - 2023 E
	Postmaster, per (name of receiving employee) Address (Name, Street, City, State, and ZIP Code™) Neil M. O'Leary, Mayor City of Waterbury 235 Grand Street Waterbury, CT 06702 Robert Nerney, City Planner City of Waterbury 185 South Main Street, 5th Floor Waterbury, CT 06702 Level Development Corporation 293 Sheffield Street