Robinson+Cole

KENNETH C. BALDWIN

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Also admitted in Massachusetts and New York

July 27, 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 99 Knowlton Hill Road, Ashford, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains an existing wireless telecommunications facility at the above-referenced property 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. The existing facility was approved by the Siting Council ("Council") in October of 2004 (Docket No. 291). A copy of the Council's Docket No. 291 Decision and Order is included in Attachment 1.

Cellco's proposed modification involves the installation of two (2) interference mitigation filters ("filter") on the existing antenna platform and mounting assembly. The filter specification sheet 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 Ashford'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 antennas.

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Melanie A. Bachman, Esq. July 27, 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 Cellco's 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, platform and mounting assembly can support Cellco's proposed modifications. A copy of the SA and MA are included in <u>Attachment 3</u>.

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:

William Falletti, First Selectman Michael D'Amato, AICP, Zoning Officer Thomas Knowlton, Property Owner Kamoya Bautista, Verizon Wireless

ATTACHMENT 1

Decision and Order

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a telecommunications facility including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate either alone or cumulatively with other effects when compared to need, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the application and therefore directs that a Certificate of Environmental Compatibility and Public Need, as provided by General Statutes § 16-50k, be issued to Tower Ventures II, LLC, hereinafter reffered to as the Certificate Holder, at Site A-1, located on parcel 43/E/4, Knowlton Hill Road, Ashford, Connecticut. The Council denies certification of Site A-2, located on parcel 43/E/4, Knowlton Hill Road, Ashford, Connecticut.

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

- 1. The tower shall be constructed as a monopole, no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas of Omnipoint Communications and other entities, both public and private, but such tower shall not exceed a height of 150 feet above ground level, including appurtenances. The tower and foundation shall be designed and constructed with the ability to be extended to 180 feet above ground level, with such extension subject to Council approval by petition for a declaratory ruling, pursuant to Sections 16-50j-38 through 16-50j-40 of the Regulations of Connecticut State Agencies.
- 2. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be served on the Town of Ashford, for comment, and all parties and intervenors as listed in the service list, and submitted to and approved by the Council prior to the commencement of facility construction and shall include:

- a final site plan(s) of site development to include specifications for the tower, tower foundation, antennas, equipment building, access road, utility line, and landscaping; and
- b. construction plans for site clearing, water drainage, and erosion and sedimentation control consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended.
- 3. The Certificate Holder shall, prior to the commencement of operation, provide the Council worst-case

modeling of electromagnetic radio frequency power density of all proposed entities' antennas at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 65, August 1997. The Certificate Holder shall ensure a recalculated report of electromagnetic radio frequency power density is submitted to the Council if and when circumstances in operation cause a change in power density above the levels calculated and provided pursuant to this Decision and Order.

- 4. Upon the establishment of any new State or federal radio frequency standards applicable to frequencies of this facility, the facility granted herein shall be brought into compliance with such standards.
- 5. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.
- 6. The Certificate Holder shall provide reasonable space on the tower for no compensation for any municipal antennas, provided such antennas are compatible with the structural integrity of the tower.
- 7. If the facility does not initially provide wireless services within one year of completion of construction or ceases to provide wireless services for a period of one year, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made.
- 8. Any antenna that becomes obsolete and ceases to function shall be removed within 60 days after such antennas become obsolete and cease to function.
- 9. Unless otherwise approved by the Council, this Decision and Order shall be void if the facility authorized herein is not operational within one year of the effective date of this Decision and Order or within one year after all appeals to this Decision and Order have been resolved. Any request for extension of this period shall be filed with the Council not later than sixty days prior to the expiration date of this Certificate and shall be served on all parties and

intervenors and the Town of Ashford, as listed in the service list. Any proposed modifications to this Decision and Order shall likewise be so served.

Pursuant to General Statutes § 16-50p, the Council hereby directs that a copy of the Findings of Fact, Opinion, and Decision and Order be served on each person listed below, and notice of issuance shall be published in the <u>Hartford Courant</u> and the Willimantic Chronicle.

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

The parties and intervenors to this proceeding are:

Applicant	Its Representative
Tower Ventures II, LLC	David Vivian Senior Vice President Tower Ventures II, LLC 733 Chapin Street, Suite 200F Ludlow, MA 01056
	Benjamin Proto, Esq. 2090 Cutspring Road Stratford, CT 06614
*	Kenneth Ira Spigle, Esq. 170 Westminster Street, Suite 701 Providence, RI 02903
Intervenor	Its Representative
Omnipoint Communications, Inc.	Stephen J. Humes, Esq. McCarter & English, LLP CityPlace I 185 Asylum Street Hartford, CT 06103

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



TECHNICAL SPECIFICATIONS

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, 1	8dB minimum	
Maximum input power (Per Port)	100W average	200W average and 66W per 5MHz	
Rejection	53dB minimum @ 8	94.1 - 896.5MHz	
ELECTRICAL			
Impedance	50Oh	arnis	
Intermodulation products	-160dBc maximum in UL Band (assuming -153dBc maximum		
DC / AISG			
Passband	0 - 13	MHz	
Insertion loss	0,3dB ma	aximum	
Return loss	15dB mi	nimum	
Input voltage range	± 33V		
DC current rating	2A continuou	2A continuous, 4A peak	
Compliance	3GPP TS 25.461		
ENVIRONMENTAL			
For further details of environmental co	ompliance, please contact Kaelus.		
Temperature range	-20°C to +60°C -4°F to +140°F		
Ingress protection	IP6	7	
Altitude	2600m	8530ft	
Lightning protection	RF port: ±5kA maximum (8/20us), IEC 61000-4-5 – Unit m	ust be terminated with some lightning protection circuits	
MTBF	>1,000,00	0 hours	
Compliance	ETSI EN 300 019 class 4.1H, RuHS. NEBS GR-487-CORE		
MECHANICAL			
Dimensions H x D x W	269 x 277 x 80mm 10:60 x 10:90 x 3:15in (Excluding brackets and connectors)		
Weight	8.0 kg 17.6 lbs	(no bracket)	
Finish	Powder coated, ligh	t grey (RAL7035)	
Connectors	RF: 4.3-10) (F) × 4	
Mounting	Optional pole/wall bracket supplied with two metal clamps 45-178mm diameter poles or custom bracket. See orderi information.		

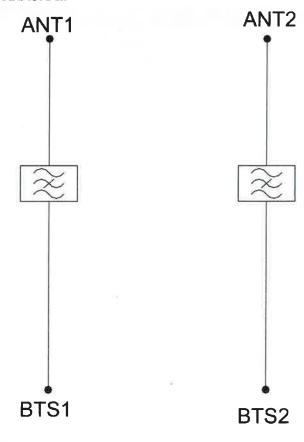


ORDERING INFORMATION

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)

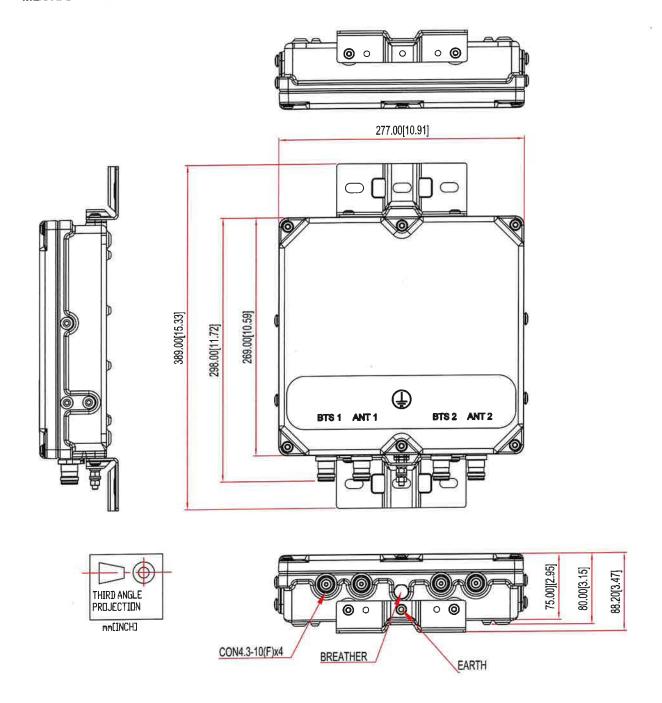


ELECTRICAL BLOCK DIAGRAM





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: 5000247929 / ASHFORD WEST 2 CT Application #: 232179, v2

SBA Site ID / Name: CT13614-A / Knowlton

150 ft Monopole

99 Knowlton Hill Rd Ashford, Connecticut 06278 Lat: 41.840778, Long: -72.207520

Project number: CT13614-VZW-070523

Analysis Results

Tower	51.6%	Pass
Foundation	49.0%	Pass

Change in tower stress due to mount modification / replacement	N/A
Officingo in torror excess see as	

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 149 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	Sabre, Job No. 06-06307, dated on June 29, 2005	
Foundation drawings	Sabre, Job No. 06-06307, dated on June 29, 2005	_
Geotechnical report	JGI Eastern, Inc.: Project No. 05360G, dated on June 28, 2005	
Mount Analysis	Maser Consulting, Project # 20777637A, dated 6/25/2021	_
Latest SA	SBA, Project # CT13614-TMO-041122, dated 4/12/2022	_

Analysis Criteria

Table 2 Code Related Data

Table 2 Code Related Data	
Jurisdiction (State/County/City)	Connecticut/Windham/Ashford
Governing Codes	ANSI/TIA/EIA 222-H, 2021 IBC, 2022 Connecticut Building Code
Ultimate Wind Speed (3-Sec gust)	119.0 mph
Wind Speed with Ice (3-Sec gust)	50 mph
Service Wind Speed (3-Sec gust)	60 mph
Ice Thickness	1.50"
Risk Category	
Exposure Category	C
Topographic Category	1
Crest Height	0 ft
Ground Elevation	662.70 ft.
Seismic Parameter S _s	0.183
Seismic Parameter S ₁	0.055

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		6	Ericsson KRY 112 489/2 TMA			
2		3	Ericsson AIR6419 B41 - Panel	Low Profile Platform w/		
3		3	RFS APXVAALL24_43-U-NA20 - Panel	Handrails	(14) 1 5/8"	
4	147.0	3	Commscope VV-65A-R1 - Panel	[SitePro1 HRK12-U] +	(1) 1-5/8" Fiber	T-Mobile
5		3	Ericsson 4449 B71 + B85	Platform Reinforcement Kit	(2) 1.9" Fiber	
6		3	Ericsson 4460 B25 + B66	[SitePro1 PRK-1245L]		
7		3	Kathrein 782 11056 Bias Ts	[SitePio1 PKK-1245L]		
8		6	Powerwave 7770 - Panel			
9		3	KMW AM-X-CD-17-65-00T - Panel			
10	137.0 6		Powerwave LGP21401		(12) 1-5/8" (2) 3/4" DC	AT&T
11			Powerwave LGP21903	Low Profile Platform		
12		6	Ericsson RRUS11		(1) 7/16" Fiber	
13		1	Raycap DC2-48-60-18-8F			
14	129.0	3	Antel BXA-70063/6CF 2° - Panel			
2		6	JMA Wireless MX06FRO660-03 - Panel	Low Profile Platform w/		
		3	Samsung MT6407-77A - Panel	Handrails + (3) Kicker Kits	(10) 1-5/8"	
	127.0 3		Samsung B2/B66A - RRU	[JMA 91900314-02] +	(2) 1-5/8"	Verizon
			Samsung B5/B13 - RRU	(1) P2.0 STD Mount Pipe	Hybrid	
		1	Raycap RVZDC-3315-PF-48 - OVP			

Note: AT&T loading includes FirstNET equipment

Proposed Loading:

Information pertaining to proposed antennas and transmission lines were based upon the Application #: 232179, 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
14	129.0	3	Antel BXA-70063/6CF 2° - Panel			
1 5	125.0	2	Kaelus BSF0020F3V1-1			
16		6	JMA Wireless MX06FRO660-03 - Panel	Low Profile Platform w/	(10) 1-5/8"	
17		3	Samsung MT6407-77A - Panel	Handrails + (3) Kicker Kits	(2) 1-5/8"	Verizon
18	127.0	3	Samsung B2/B66A - RRU	[JMA 91900314-02] + (1) P2.0 STD Mount Pipe	Hybrid	
19		3	Samsung B5/B13 - RRU	(1) PZ.U STD Mount Pipe		
20		1	Raycap RVZDC-3315-PF-48 - OVP			



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

rable c rewar	Pole shafts	Anchor Bolts	Base Plate
Max. Usage:	51.6%	49.0%	41.0%
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

Table of balladation final	,	
Structural Component	Max Usage (%)	Analysis Result
Foundation	49.0%	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 51.61% at 0.0ft

Structure: CT13614-A Code:

EIA/TIA-222-H

Site Name: Knowlton Height:

Base Elev:

149.00 (ft)

1.000 (ft)

Exposure: Gh:

С 1.1 7/7/2023



22

Dead Load Factor: Wind Load Factor: 1.20

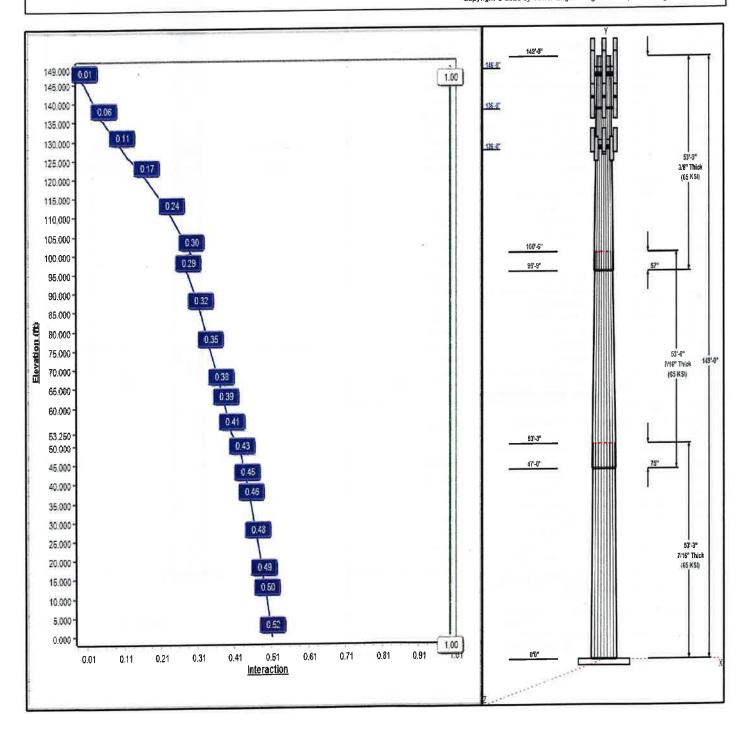
1.00

Page: 1

Load Case: 1.2D + 1.0W 119 mph Wind

Iterations:

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Structure: CT13614-A

Base Shape:

Type:

Tapered

Site Name: Knowlton

Height:

149.00 (ft)

1.00 (ft) Base Elev:

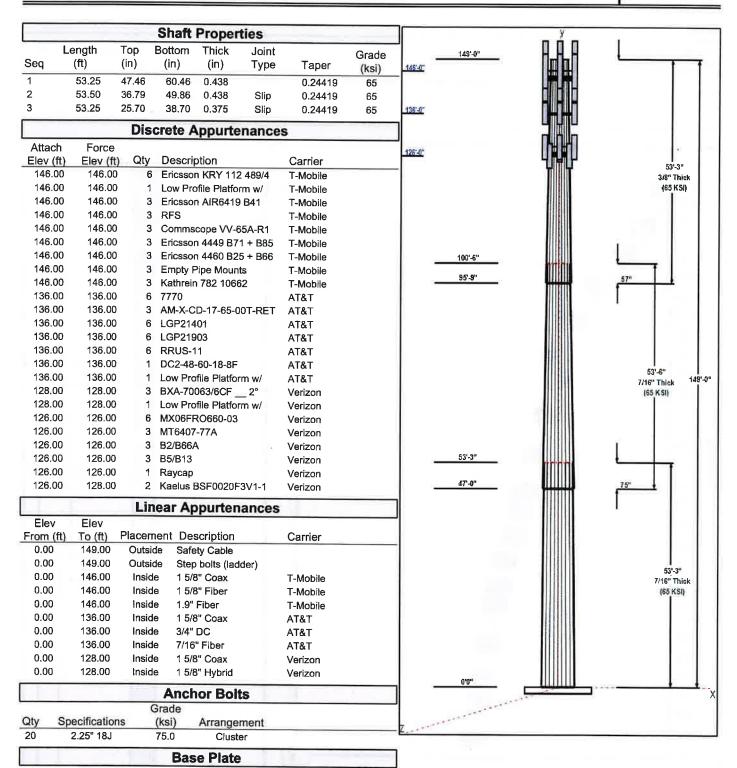
Taper: 0.24419

18 Sided

Page: 2

7/7/2023





Structure: CT13614-A

Type:

Tapered

Base Shape: 18 Sided

7/7/2023

SBA

Site Name: Knowlton Height:

149.00 (ft)

Base Elev: 1.00 (ft)

Taper: 0.24419

Page: 3

Thickness (in)	Specifications (in)	Grade (ksi)	Geometry	
3.0000	68.0	60.0	Clipped	

Re	actions		
Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.0W 119 mph Wind	3486.6	32.5	55.6
0.9D + 1.0W 119 mph Wind	3458.5	32.5	41.7
1.2D + 1.0Di + 1.0Wi 50 mph Wind	989.9	9.3	83.4
1.2D + 1.0Ev + 1.0Eh	132.1	1.0	57.5
0.9D + 1.0Ev + 1.0Eh	131.8	1.0	43.6
1.0D + 1.0W 60 mph Wind	789.0	7.4	46.4
1,05 · 1.077 00 mp			

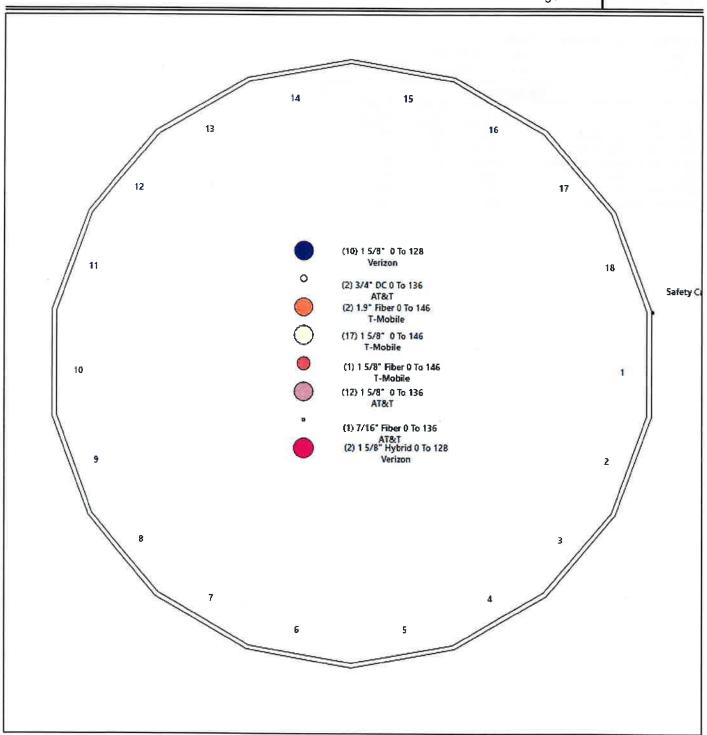
Structure: CT13614-A - Coax Line Placement

Type: Monopole 7/7/2023

Site Name: Knowlton 149.00 (ft) Height:

SBA 🕖

Page: 4



Shaft Properties

CT13614-A Structure:

Code:

TIA-222-H

7/7/2023

Height:

Site Name: Knowlton

Exposure:

С

SBA

Base Elev: 1.000 (ft)

149.00 (ft)

Crest Height: 0.00

Gh:

1.1

Topography: 1

Site Class: Struct Class: ||

D - Stiff Soil

Page: 5

Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)	
1	18	53.250	0.4375	65		0.00	13,466	
2	18	53.500	0.4375	65	Slip	75.00	10,842	
3	18	53.250	0.3750	65	Slip	57.00	6,864	
ŭ	, 0				Total Sh	aft Weight:	31,172	

			Bo	ottom					3	ор				
Sec.	Dia (in)	Elev (ft)	Area (sqin)	lx (in^4)	W/t Ratio	D/t Ratio	Dia (in)	Elev (ft)	Area (sqin)	lx (in^4)	W/t Ratio	D/t Ratio	Taper	
1	60.46	0.00	83.35	37937.15	22.96	138.19	47.46	53.25	65.29	18236.7	17.72	108.4	0.244195	
2	49.86	47.00	68.62	21175.81	18.68	113.96	36.79	100.50	50.48	8430.41	13.42	84.10	0.244195	
3	38.70	95.75	45.62	8467.14	16.79	103.21	25.70	149.00	30.14	2442.44	10.67	68.53	0.244195	

Load Summary

Structure: CT13614-A **Code**: TIA-222-H 7/7/2023

Site Name:KnowltonExposure:CHeight:149.00 (ft)Crest Height:0.00

Base Elev: 1.000 (ft) Site Class: D - Stiff Soil

Gh: 1.1 Topography: 1 Struct Class: II Page: 6



Discrete Appurtenances

					No Ice		e	Ice			
No.	Elev (ft)	Description	Qty	Weight (lb)	CaAa (sf)	CaAa Factor	Weight (lb)	CaAa (sf)	CaAa Factor	Hor. Ecc. (ft)	Vert Ecc (ft)
1		Ericsson KRY 112 489/4	6	15.40	0.56	0.83	31.51	0.884	0.85	0.00	0.00
2	146.00	Low Profile Platform w/ Handrails +	1	2289.00	34.54	1.00	5159.45	64.619	1.00	0.00	0.00
3		Ericsson AIR6419 B41	3	83.00	6.32	0.73	235.37	7.324	0.74	0.00	0.00
4	146.00	RFS APXVAALL24_43-U-NA20	3	122.80	20.24	0.72	572.80	22.101	0.73	0.00	0.00
5	146.00	Commscope VV-65A-R1	3	23.81	5.92	0.73	159,08	6.963	0.75	0.00	0.00
6	146.00	Ericsson 4449 B71 + B85	3	75.00	1.95	0.90	131.64	2.507	0.91	0.00	0.00
7	146.00	Ericsson 4460 B25 + B66	3	104.00	2.14	0.85	162.25	2.717	0.86	0.00	0.00
8	146.00	Empty Pipe Mounts	3	60.00	1.92	1.00	135.24	3.592	1.00	0.00	0.00
9	146.00	Kathrein 782 10662	3	1.80	0.15	0.79	6.36	0.335	0.84	0.00	0.00
10	136.00	7770	6	35.00	5.51	0.77	161.70	6.524	0.78	0.00	0.00
11	136.00	AM-X-CD-17-65-00T-RET (96")	3	59.50	6.40	0.79	208.17	7.489	0.80	0.00	0.00
12	136.00	LGP21401	6	14.10	1.05	0.66	39.72	1.471	0.70	0.00	0.00
13	136.00	LGP21903	6	5.50	0.23	0.74	11.68	0.443	0.78	0.00	0.00
14	136.00	RRUS-11	6	51.00	3.79	0.69	140.79	4.550	0.71	0.00	0.00
15	136.00	DC2-48-60-18-8F	1	14.50	0.92	0.79	38.91	1.306	0.81	0.00	0.00
16	136.00	Low Profile Platform w/ Mount Pipes	1	1500.00	43.29	1.00	3367.82	80.724	1.00	0.00	0.00
17	128.00	BXA-70063/6CF 2°	3	17.00	7.57	0.75	179,42	8.772	0.76	0.00	0.00
18	128.00	Low Profile Platform w/ Handrails +	1	1863.50	35.03	1.00	4170.04	65.140	1.00	0.00	0.00
19	126.00	MX06FRO660-03	6	60.00	9.87	0.87	306,09	11.185	0.88	0.00	0.00
20	126.00	MT6407-77A	3	87.10	4.70	0.70	197.43	5.587	0.71	0.00	0.00
21	126.00	B2/B66A	3	84.40	1.88	0.83	144.26	2.416	0.85	0.00	0.00
22	126.00	B5/B13	3	70.30	1.88	0.83	120.16	2.416	0.85	0.00	0.00
23	126.00	Raycap RVZDC-3315-PF-48	1	21.00	2.51	0.83	87.28	3.125	0.84	0.00	0.00
24	126.00	Kaelus BSF0020F3V1-1	2	17.60	0.96	1.00	40.57	1.351	1.00	0.00	2.00

Totals: 79 9,175.33 23,810.21

Linear Appurtenances

Bottom Elev. (ft)	Top Elev. (ft)	Description	Exposed Width	Exposed	
0.00	149.00	(1) Safety Cable	0.38	Outside	
0.00	149.00	(1) Step bolts (ladder)	0.63	Outside	
0.00	146.00	(14) 1 5/8" Coax	0.00	Inside	
0.00	146.00	(1) 1 5/8" Fiber	0.00	Inside	
0.00	146.00	(2) 1.9" Fiber	0.00	Inside	
0.00	136.00	(12) 1 5/8" Coax	0.00	Inside	
0.00	136.00	(2) 3/4" DC	0.00	Inside	
0.00	136.00	(1) 7/16" Fiber	0.00	Inside	
0.00	128.00	(10) 1 5/8" Coax	0.00	Inside	
0.00	128.00	(2) 1 5/8" Hybrid	0.00	Inside	

Shaft Section Properties

Structure: CT13614-A

TIA-222-H Code:

Site Name: Knowlton

Exposure:

С

Height:

149.00 (ft)

Crest Height: 0.00

Site Class: D - Stiff Soil

Base Elev: 1.000 (ft) Gh:

1.1

Topography: 1

Struct Class:

Page: 7

SBA

7/7/2023

Increment Length: 5 (ft)

Elev	B	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	0.4375	60,460	83,346	37937.1	22.96	138.19		1235.	0.0
0.00		0.4375	59.239	81.650	35668.8	22.46	135.40	75.0	1185.	1403.6
5.00		0.4375	58.018	79.955	33492.7	21.97	132.61	75.6	1137.	1374.8
10.00		0.4375	56.797	78.260	31406.9	21.48	129.82	76.1	1089.	1345.9
15.00		0.4375	55.576	76.564		20.99	127.03	76.7	1042.	1317.1
20.00		0.4375	54.355	74.869	27498.9	20.50	124.24	77.3	996.5	1288.2
25.00		0.4375	53.134	73.173	25672.7	20.00	121.45	77.9	951.7	1259.4
30.00		0.4375	51.913	71.478	23929.2	19.51	118.66	78.5	907.9	1230.5
35.00		0.4375	50.692	69.782		19.02	115.87	79.0	865.2	1201.7
40.00		0.4375	49.471	68.087		18.53	113.08		823.4	1172.8
45.00	- 1 0 11 10 10 10 10 10 10 10 10 10 10 10	0.4375	48.983	67.409	20070.8	18.33	111.96	79.8	807.1	461.1
47.00	Bot - Section 2	0.4375	48.250	66.392	19175.8	18.04	110.29	80.2	782.8	1378.3
50.00		0.4375	48.332	66,505	19273.9	18.07	110.47	0.0	0.0	1469.7
53.25	Top - Section 1	0.4375	47.904	65.911	18762.6	17.90	109.50		771.4	394.3
55.00		0.4375	46.683	64.216	17351.6	17.40	106.70		732.1	1107.0
60.00		0.4375	45.462	62.520	16013.2	16.91	103.91		693.8	1078.1
65.00		0.4375	44.241	60.825	14745.5	16.42	101.12		656.5	1049.3
70.00		0.4375	43.020	59.130	13546.5	15.93	98.33		620.2	1020.4
75.00			41.799	57.434	12414.4	15.44	95.54		585.0	991.6
80.00		0.4375	40.578	55.739	11347.1	14.94	92.75		550.8	962.8
85.00		0.4375	39.357	54.043	10342.9	14.45	89.96		517.6	933.9
90.00		0.4375	38.137	52.348	9399.7	13.96	87.17		485.5	905.1
95.00		0.4375	37.953	52.094	9263.3	13.89	86.75		480.7	133.3
95.75	Bot - Section 3	0.4375	36.916	50.652	8515.6	13.47	84.38		454.3	1393.7
100.00		0.4375	37.543	44.238	7721.4	16.24	100.12	0.0	0.0	161.4
100.50	Top - Section 2	0.3750		42.930	7056.6	15.73	97.19		381.4	667.4
105.00		0.3750	36.445	41.477	6364.0	15.75	93.93	82.5		718.0
110.00		0.3750	35.224	40.024	5718.3	14.58	90.67		331.2	693.3
115.00		0.3750	34.003	38.571	5117.7	14.00	87.42		307.5	668.6
120.00		0.3750	32.782	37.117	4560.8	13.43	84.16		284.6	643.9
125.00		0.3750	31.561		4454.5	13.31	83.51		280.2	125.8
126.00		0.3750	31.316	36.827	4246.9	13.08	82.21		271.3	248.6
128.00		0.3750	30.828	36.245	4045.8	12.86	80.91		262.6	244.7
130.00		0.3750	30.340	35.664		12.28	77.65		241.6	594.4
135.00		0.3750	29.119	34.211	3571.1		77.00		237.4	115.9
136.00		0.3750	28.875	33.920	3480.9	12.17	74.39		237.4	453.8
140.00		0.3750	27.898	32.758	3135.1	11.71			202.0	545.0
145.00		0.3750	26.677	31.305	2736.1	11.13	71.14		198.3	106.0
146.00		0.3750	26.433	31.014	2660.6	11.02	70.49			312.1
149.00		0.3750	25.700	30.142	2442.4	10.67	68.53	82.5	101.2	
										31171.7

Wind Loading - Shaft

Structure: CT13614-A

Site Name: Knowlton

Height:

149.00 (ft)

Base Elev: 1.000 (ft)

Gh: 1.1

Topography: 1

Code:

TIA-222-H

Exposure: С

Crest Height: 0.00

Site Class:

D - Stiff Soil

Struct Class: II

7/7/2023

SBA

Load Case: 1.2D + 1.0W 119 mph Wind

Dead Load Factor

1.20

Wind Load Factor 1.00



Page: 8

Iterations

22

Elev (ft) Descripti	on Kz t	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (Ib)	Tot Dead Load (lb)	
0.00	1.00	0.85	28.580	31.44	554.60	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0	
5.00	1.00	0.85	28.580	31.44	543.40	0.730	0.000	5.00	25.322	18.49	581.1	0.0	1684.3	
10.00	1.00	0.85	28.580	31.44	532.20	0.730	0.000		24.805	18.11	569.3	0.0	1649.7	
15.00	1.00	0.86	28.933	31.83	524.21	0.730	0.000	5.00	24.289	17.73	564.3	0.0	1615.1	
20.00	1.00	0.91	30.637	33.70	527.84	0.730	0.000		23.772	17.35	584.8	0.0	1580.5	
25.00	1.00	0.95	32.046	35.25	527.98	0.730	0.000		23.256	16.98	598.4	0.0	1545.9	
30.00	1.00	0.99	33.255	36.58	525.76	0.730	0.000		22.739	16.60	607.2	0.0	1511.3	
35.00	1.00	1.02	34.319	37.75	521.83	0.730	0.000		22.222	16.22	612.4	0.0	1476.6	
40.00	1.00		35.271	38.80	516,58	0.730	0.000		21.706	15.85	614.8	0.0	1442.0	
45.00	1.00	1.07	36.136	39.75	510.28	0.730	0.000		21.189	15.47	614.9	0.0	1407.4	
47.00 Bot - Section 2	1.00	1.08	36.462	40.11	507.51	0.730	0.000	2.00	8.331	6.08	243.9	0.0	553.3	
50.00	1.00	1.10	36.930	40.62	503.12	0.730	0.000		12.564	9.17	372.6	0.0	1653.9	
53.25 Top - Section 1	1.00	1.11	37.413	41.15	498.08	0.730	0.000		13.401	9.78	402.6	0.0	1763.6	
55.00	1.00	1.12	37.664	41.43	504.46	0.730	0.000	1.75	7.125	5.20	215.5	0.0	473.1	
60.00	1.00	1.14	38.349	42.18	496.05	0.730	0.000		20.010	14.61	616.2	0.0	1328.4	
65.00	1.00	1.16	38.990	42.89	487.09	0.730	0.000		19.493	14.23	610.3	0.0	1293.8	
70.00	1.00	1.18	39.594	43.55	477.67	0.730	0.000		18.977	13.85	603.3	0.0	1259.2	
75.00	1.00		40.165	44.18	467.83	0.730	0.000		18.460	13.48	595.4	0.0	1224.5	
80.00	1.00	1,21	40.708	44.78	457.61	0.730	0.000		17.943	13.10	586.5	0.0	1189.9	
85.00	1.00	1.23	41.224	45.35	447.05	0.730	0.000		17.427	12.72	576.9	0.0	1155.3	
90.00	1.00	1,24	41.718	45.89	436.19	0.730	0.000		16.910	12.34	566.5	0.0	1120.7	
95.00	1.00		42.190	46.41	425.04	0.730	0.000		16.394	11.97	555.4	0.0	1086.1	
95.75 Bot - Section 3	1.00	1.26	42.259	46.49	423.35	0.730	0.000	0.75	2.414	1.76	81.9	0.0	159.9	
100.00	1.00	1.27	42.643	46.91	413.64	0.730	0.000		13.732	10.02	470.2	0.0	1672.5	
100.50 Top - Section 2	1.00		42.688	46.96	412.48	0.730	0.000	0.50	1.591	1.16	54.5	0.0	193.7	
105.00	1.00	1.28	43.079	47.39	410.44	0.730	0.000		14.087	10.28	487.3	0.0	800.9	
110.00	1.00		43.500	47.85	398.62	0.730	0.000		15.161	11.07	529.6	0.0	861.7	
115.00	1.00		43.905	48.30	386.59	0.730	0.000		14.645	10.69	516.3	0.0	832.0	
120.00	1.00		44.297	48.73	374.37	0.730	0.000		14.128	10.03	502.5	0.0	802.3	
125.00	1.00		44.676	49.14	361.97	0.730	0.000		13.611	9.94	488.3	0.0	772.6	
126.00 Appurtenance(s		1.33	44.750	49.23	359.46	0.730	0.000	1.00	2.660	1.94	95.6	0.0	151.0	
128.00 Appurtenance(s	,		44,898	49.39	354.44	0.730	0.000	2.00	5.259	3.84	189.6	0.0	298.4	
130.00	1.00		45.043	49.55	349.39	0.730	0.000	2.00	5.176	3.78	187.2	0.0	293.6	
135.00	1.00		45.400	49.94	336.66	0.730	0.000		12.578	9.18	458.6	0.0	713.3	
136.00 Appurtenance(s			45.470	50.02	334.09	0.730	0.000	1.00	2.454	1.79	89.6	0.0	139.1	
140.00	1.00		45.746	50.32	323.77	0.730	0.000	4.00	9.608	7.01	352.9			
145.00	1.00		46.083	50.69	310.74	0.730	0.000		11.545	8.43		0.0	544.5	
146.00 Appurtenance(s			46.150	50.09	308.11	0.730	0.000		2.247		427.2	0.0	654.0	
149.00	1.00		46.346	50.76	300.21	0.730	0.000	1.00 3.00		1.64	83.3	0.0	127.2	
	1.00	1.00	70.040	00.50	JUU.Z 1	0.100			6.617	4.83	246.3	0.0 _	374.6	
							Totals:	149.00			16,553.3		37,406.0	

Discrete Appurtenance Forces

Site Class:

CT13614-A Structure:

1.1

Code:

TIA-222-H

7/7/2023

Site Name: Knowlton

Exposure:

D - Stiff Soil

Height:

Gh:

149.00 (ft)

Crest Height: 0.00

SBA

Base Elev: 1.000 (ft)

Topography: 1

Struct Class: ||

Page: 9

Load Case: 1.2D + 1.0W 119 mph Wind

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



Iterations

22

	Elev			qz	qzGh	Orient Factor		Total CaAa	Dead Load	Horiz Ecc	Vert Ecc	Wind FX	Mom Y	Mom Z
No.	(ft)	Description	Qty	(psf)	(psf)	x Ka	Ka	(sf)	(lb)	(ft)	(ft)	(lb)	(lb-ft)	(lb-ft)
1	146.00	RFS	3	46.150	50.765	0.65	0.90	39.35	442.08	0.000	0.000	1997.41	0.00	0.00
2	146.00	Ericsson KRY 112 489/4	6	46.150	50.765	0.75	0.90	2.51	110.88	0.000	0.000	127.41	0.00	0.00
3	146.00	Low Profile Platform w/	1	46.150	50.765	1.00	1.00	34.54	2746.80	0.000	0.000	1753.41	0.00	0.00
4	146.00	Ericsson AIR6419 B41	3	46.150	50.765	0.66	0.90	12.46	298.80	0.000	0.000	632.36	0.00	0.00
5	146.00	Kathrein 782 10662	3	46.150	50.765	0.71	0.90	0.32	6.48	0.000	0.000	16.24	0.00	0.00
6		Commscope VV-65A-R1	3	46.150	50.765	0.66	0.90	11.67	85.72	0.000	0.000	592.34	0.00	0.00
7	146.00	Ericsson 4449 B71 + B85	3	46.150	50.765	0.81	0.90	4.74	270.00	0.000	0.000	240.55	0.00	0.00
8	146.00	Ericsson 4460 B25 + B66	3	46.150	50.765	0.77	0.90	4.91	374.40	0.000	0.000	249.32	0.00	0.00
9	146.00	Empty Pipe Mounts	3	46.150	50.765	0.90	0.90	5.18	216.00	0.000	0.000	263.16	0.00	0.00
10		Low Profile Platform w/	1	45.470	50.017	1.00	1.00	43.29	1800.00	0.000	0.000	2165.24	0.00	0.00
11	136.00	DC2-48-60-18-8F	1	45.470	50.017	0.63	0.80	0.58	17.40	0.000	0.000	29.08	0.00	0.00
12	136.00	RRUS-11	6	45.470	50.017	0.55	0.80	12.55	367.20	0.000	0.000	627.84	0.00	0.00
13	136.00	LGP21903	6	45.470	50.017	0.59	0.80	0.82	39.60	0.000	0.000	40.86	0.00	0.00
14	136.00	AM-X-CD-17-65-00T-RET	3	45.470	50.017	0.63	0.80	12.13	214.20	0.000	0.000	606.93	0.00	0.00
15	136.00		6	45.470	50.017	0.62	0.80	20.36	252.00	0.000	0.000	1018.60	0.00	0.00
16	136.00	LGP21401	6	45.470	50.017	0.53	0.80	3.33	101.52	0.000	0.000	166.38	0.00	0.00
17	128.00	Low Profile Platform w/	1	44.898	49.388	1.00	1.00	35.03	2236.20	0.000	0.000	1730.05	0.00	0.00
18	128.00	BXA-70063/6CF 2°	3	44.898	49.388	0.60	0.80	13.63	61.20	0.000	0.000	672.95	0.00	0.00
19		B2/B66A	3	44.750	49.225	0.66	0.80	3.74	303.84	0.000	0.000	184.35	0.00	0.00
20		MX06FRO660-03	6	44.750	49.225	0.70	0.80	41.22	432.00	0.000	0.000	2028.93	0.00	0.00
21		MT6407-77A	3	44.750	49.225	0.56	0.80	7.90	313.56	0.000	0.000	388.68	0.00	0.00
22	126.00	Kaelus BSF0020F3V1-1	2	44.898	49.388	1.00	1.00	1.92	42.24	0.000	2.000	94.82	0.00	189.65
23		B5/B13	3	44.750	49.225	0.66	0.80	3.74	253.08	0.000	0.000	184.35	0.00	0.00
24		Raycap	1	44.750	49.225	0.66	0.80	1.67	25.20	0.000	0.000	82.04	0.00	0.00
_		and the second s										E 000 00		

Totals:

11,010.40

15,893.30

Total Applied Force Summary

CT13614-A Structure:

Base Elev: 1.000 (ft)

Code:

TIA-222-H

7/7/2023

Site Name: Knowlton

Exposure:

C

Height:

149.00 (ft)

Crest Height: 0.00 Site Class:

D - Stiff Soil

Gh:

1.1

Topography: 1

Struct Class: ||

Page: 10

Iterations

22

Load Case: 1.2D + 1.0W 119 mph Wind

Dead Load Factor

1.20

Wind Load Factor 1.00

×	1	
- 3	<u></u>	X
Z		

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)	
0.00		0.00	0.00	0.00	0.00	
5.00		581.13	1947.93	0.00	0.00	
10.00		569.27	1913.32	0.00	0.00	
15.00		564.30	1878.70	0.00	0.00	
20.00		584.84	1844.09	0.00	0.00	
25.00		598.44	1809.47	0.00	0.00	
30.00		607.22	1774.86	0.00	0.00	
35.00		612.41	1740.24	0.00	0.00	
40.00		614.78	1705.63	0.00	0.00	
45.00		614.86	1671.02	0.00	0.00	
47.00	11	243.92	658.71	0.00	0.00	
50.00		372.58	1812.10	0.00	0.00	
53.25		402.60	1934.98	0.00	0.00	
55.00		215.51	565.37	0.00	0.00	
60.00		616.18	1591.98	0.00	0.00	
65.00		610.31	1557.36	0.00	0.00	
70.00		603.34	1522.75	0.00	0.00	
75.00		595.39	1488.13	0.00	0.00	
80.00		586.54	1453.52	0.00	0.00	
85.00		576.88	1418.90	0.00	0.00	
90.00		566.48	1384.29	0.00	0.00	
95.00		555.39	1349.68	0.00	0.00	
95.75		81.93	199.47	0.00	0.00	
100.00		470.23	1896.55	0.00	0.00	
100.50		54.54	220.07	0.00	0.00	
105.00		487.30	1038.10	0.00	0.00	
110.00		529.58	1125.26	0.00	0.00	
115.00		516.31	1095.59	0.00	0.00	
120.00		502.54	1065.92	0.00	0.00	
125.00		488.31	1036.25	0.00	0.00	
126.00	(18) attachments	3058.77	1573.61	0.00	189.65	
128.00	(4) attachments	2592.59	2701.22	0.00	0.00	
130.00	, ,	187.21	368.83	0.00	0.00	
135.00		458.56	901.31	0.00	0.00	
136.00	(29) attachments	4744.52	2968.62	0.00	0.00	
140.00	, ,	352.94	630.23	0.00	0.00	
145.00		427.22	761.09	0.00	0.00	
146.00	(28) attachments	5955.47	4699.81	0.00	0.00	
149.00	. ,	246.26	379.31	0.00	0.00	
	Totals:	32,446.65	55,684.26	0.00	189.65	

Linear Appurtenance Segment Forces (Factored)

CT13614-A Structure:

Code:

TIA-222-H

7/7/2023

Site Name: Knowlton 149.00 (ft) Height:

Exposure: С Crest Height: 0.00

Base Elev: 1.000 (ft)

Site Class: D - Stiff Soil

Gh: 1.1 Topography: 1

Struct Class: II

Page: 11

Iterations

22

SBA

Load Case: 1.2D + 1.0W 119 mph Wind 1.20 **Dead Load Factor**

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)
5.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.017	0.000	28.580	0.00	1.64
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.017	0.000	28.580	0.00	6.24
10.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.017	0.000	28.580	0.00	1.64
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.017	0.000	28.580	0.00	6.24
15.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.017	0.000	28.933	0.00	1.64
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.017	0.000	28.933	0.00	6.24
	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	30.637	0.00	1.64
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	30.637	0.00	6.24
	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	32.046	0.00	1.64
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	32.046	0.00	6.24
25.00		Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	33.255	0.00	1.64
30.00	Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	33.255	0.00	6.24
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	34.319	0.00	1.64
35.00	Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	34.319	0.00	6.24
35.00	Step bolts (ladder)		5.00	0.000	0.38	0.16	0.00	0.019	0.000	35.271	0.00	1.64
40.00	Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	35.271	0.00	6.24
40.00	Step bolts (ladder)	Yes	5.00	0.000	0.38	0.16	0.00	0.020	0.000	36,136	0.00	1.64
45.00	Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.020	0.000	36.136	0.00	6.24
45.00	Step bolts (ladder)	Yes	2.00	0.000	0.38	0.06	0.00	0.020	0.000	36.462	0.00	0.66
47.00	Safety Cable	Yes			0.63	0.10	0.00	0.020	0.000	36.462	0.00	2.50
47.00	Step bolts (ladder)	Yes	2.00	0.000	0.38	0.10	0.00	0.020	0.000	36.930	0.00	0.98
50.00	Safety Cable	Yes	3.00	0.000		0.16	0.00	0.020	0.000	36.930	0.00	3.74
50.00	Step bolts (ladder)	Yes	3.00	0.000	0.63		0.00	0.020	0.000	37.413	0.00	1.06
53.25	Safety Cable	Yes	3.25	0.000	0.38	0.10	0.00	0.021	0.000	37.413	0.00	4.06
53.25	Step bolts (ladder)	Yes	3.25	0.000	0.63	0.17		0.021	0.000	37.664	0.00	0.57
55.00	Safety Cable	Yes	1.75	0.000	0.38	0.06	0.00			37.664	0.00	2.18
55.00	Step bolts (ladder)	Yes	1.75	0.000	0.63	0.09	0.00	0.021	0.000	38.349	0.00	1.64
60.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.021	0.000	38.349	0.00	6.24
60.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.021	0.000		0.00	1.64
65.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.022	0.000	38.990	0.00	6.24
65.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.022	0.000	38.990		1.64
70.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.022	0.000	39.594	0.00	6.24
70.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.022	0.000	39.594	0.00	
75.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	40.165	0.00	1.64
75.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	40.165	0.00	6.24
80.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	40.708	0.00	1.64
80.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	40.708	0.00	6.24
85.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.024	0.000	41.224	0.00	1.64
85.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.024	0.000	41.224	0.00	6.24
90.00	• • •	Yes	5.00	0.000	0.38	0.16	0.00	0.025	0.000	41.718	0.00	1.64
	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.025	0.000	41.718	0.00	6.24
	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.026	0.000	42.190	0.00	1.64
95.00	•	Yes	5.00	0.000	0.63	0.26	0.00	0.026	0.000	42.190	0.00	6.24
	Safety Cable	Yes	0.75	0.000	0.38	0.02	0.00	0.026	0.000	42.259	0.00	0.25
	Step bolts (ladder)	Yes	0.75	0.000	0.63	0.04	0.00	0.026	0.000	42.259	0.00	0.94
	Safety Cable	Yes	4.25	0.000	0.38	0.13	0.00	0.027	0.000	42.643	0.00	1.39
	•	Yes	4.25	0.000	0.63	0.22	0.00	0.027	0.000	42.643	0.00	5.30
100.00	Step bolts (ladder)	162	0.50	0.000	0.38	0.02	0.00	0.027	0.000	42.688	0.00	0.16

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Linear Appurtenance Segment Forces (Factored)

Structure: CT13614-A Code:

TIA-222-H

Site Name: Knowlton

Exposure:

7/7/2023

Height:

149.00 (ft)

Crest Height: 0.00

Gh:

Base Elev: 1.000 (ft) 1.1

Site Class:

D - Stiff Soil

Topography: 1

Struct Class: II

Page: 12

Load Case: 1.2D + 1.0W 119 mph Wind

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



Iterations 22

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
100.50	Step bolts (ladder)	Yes	0.50	0.000	0.63	0.03	0.00	0.027	0.000	42.688	0.00	0.62
105.00	Safety Cable	Yes	4.50	0.000	0.38	0.14	0.00	0.027	0.000	43.079	0.00	1.47
105.00	Step bolts (ladder)	Yes	4.50	0.000	0.63	0.24	0.00	0.027	0.000	43.079	0.00	5.62
110.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.028	0.000	43.500	0.00	1.64
110.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.028	0.000	43.500	0.00	6.24
115.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.029	0.000	43.905	0.00	1.64
115.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.029	0.000	43.905	0.00	6.24
120.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.030	0.000	44.297	0.00	1.64
120.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.030	0.000	44.297	0.00	6.24
125.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.031	0.000	44.676	0.00	1.64
125.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.031	0.000	44,676	0.00	6.24
126.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.032	0.000	44.750	0.00	0.33
126.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.032	0.000	44.750	0.00	1.25
128.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.032	0.000	44.898	0.00	0.66
128.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.032	0.000	44.898	0.00	2.50
130.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.033	0.000	45.043	0.00	0.66
130.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.033	0.000	45.043	0.00	2.50
135.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.033	0.000	45.400	0.00	1.64
135.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.033	0.000	45,400	0.00	6.24
136.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.034	0.000	45.470	0.00	0.33
136.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.034	0.000	45.470	0.00	1.25
140.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.035	0.000	45,746	0.00	1.31
140.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.035	0.000	45.746	0.00	4.99
145.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.036	0.000	46.083	0.00	1.64
145.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.036	0.000	46.083	0.00	6.24
146.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.037	0.000	46.150	0.00	0.33
146.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.037	0.000	46.150	0.00	1.25
149.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.038	0.000	46.346	0.00	0.98
149.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.038	0.000	46.346	0.00	3.74
										tals:	0.0	234.8

Calculated Forces

Structure: CT13614-A

Code: TIA-222-H

С

Site Name: Knowlton

Exposure:

7/7/2023

Height: 1

149.00 (ft)

Crest Height: 0.00

Base Elev: 1.000 (ft)

Site Class: D - Stiff Soil

Gh:

1.1

Topography: 1

Struct Class:

Page: 13

Iterations 22

SBA

Load Case: 1.2D + 1.0W 119 mph Wind

Dead Load Factor 1.20 Wind Load Factor 1.00



Seg Elev	Pu FY (-)	Vu FX (-)	Tu MY (-)	Mu MZ	Mu MX	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
(ft)	(kips)			(ft-kips)	(ft-kips) 0.00	3486.61	5580.79	1462.72	7284.32	6896.19	0.00	0.000	0.000	0.516
0.00	-55.65	-32.51	0.00	-3486.6 -3324.0	0.00	3324.06	5509.80	1432.96	6990.98	6668.96	0.07	-0.128	0.000	0.509
5.00	-53.63	-32.05		-3324.0	0.00	3163.83	5437.04	1403.21	6703.67	6443.24	0.27	-0.257	0.000	0.501
10.00	-51.64	-31.59		-3005.8	0.00	3005.89	5362.51	1373.45	6422.39	6219.15	0.61	-0.388	0.000	0.493
15.00	-49.70	-31.13		-2850.2	0.00	2850.25	5286.22	1343.70	6147.13	5996.84	1.09	-0.521	0.000	0.485
20.00	-47.79	-30.64		-2697.0	0.00	2697.05	5208.16	1313.95	5877.91	5776.42	1.71	-0.655	0.000	0.476
25.00	-45.91	-30.13	0.00	-2546.3	0.00	2546.39	5128.34	1284.19	5614.71	5558.05	2.47	-0.790	0.000	0.467
30.00	-44.08	-29.61	0.00	-2398.3	0.00	2398.36	5046.75	1254.44	5357.54	5341.85	3.37	-0.927	0.000	0.458
35.00	-42.28	-29.07		-2356.3	0.00	2253.01	4963.39	1224.68	5106.40	5127.96	4.42	-1.066	0.000	0.448
40.00	-40.51	-28.52 -27.94		-2255.0	0.00	2110.40	4878.27	1194.93	4861.29	4916.50	5.61	-1.205	0.000	0.438
45.00	-38.81	-27.94		-2054.5	0.00	2054.51	4843.73	1183.03	4764.93	4832.64	6.12	-1.262	0.000	0.434
47.00	-38.12	-27.73 -27.37		-1971.3	0.00	1971.32	4791.38	1165.17	4622.20	4707.63	6.95	-1.348	0.000	0.427
50.00	-36.27	-21.31 -26.97		-1882.3	0.00	1882.35	4797.23	1167.16	4637.95	4721.46	7.90	-1.441	0.000	0.406
53.25	-34.31 -33.71	-26.79		-1835.1	0.00	1835.16	4766.44	1156.74	4555.55	4648.93	8.43	-1.492	0.000	0.402
55.00		-26.21		-1701.2	0.00	1701.20	4677.28	1126.99	4324.20	4443.55	10.07	-1.626	0.000	0.390
60.00	-32.07	-25.62		-1570.1	0.00	1570.16	4586.36	1097.23	4098.88	4241.06	11.84	-1.760	0.000	0.377
65.00	-30.48	-25.02		-1442.0	0.00	1442.04	4493.67	1067.48	3879.59	4041.58	13.76	-1.894	0.000	0.364
70.00	-28.92	-24.46		-1316.8	0.00	1316.85	4393.03	1037.72	3666.33	3839.84	15.81	-2.027	0.000	0.350
75.00	-27.39 -25.91	-23.88		-1194.5	0.00	1194.56	4267.07	1007.97	3459.10	3621.71	18.01	-2.159	0.000	0.336
80.00	-23.91	-23.30		-1075.1	0.00	1075.18	4141.11	978.21	3257.89	3409.96	20.34	-2.289	0.000	0.322
85.00	-24.46	-23.30		-958.68	0.00	958.68	4015.15	948.46	3062.71	3204.59	22.80	-2.416	0.000	0.305
90.00 95.00	-23.03	-22.13		-845.04	0.00	845.04	3889.19	918.71	2873.56	3005.60	25.40	-2.540	0.000	0.287
95.75	-21.70	-22.17		-828.43	0.00	828.43	3870.29	914.24	2845.71	2976.30	25.80	-2.559	0.000	0.284
100.00	-19.58	-21.54		-734.62		734.62	3763.23	888.95	2690.44	2812.98	28.13	-2.661	0.000	0.267
100.50	-19.34	-21.49		-723.85	0.00	723.85	3276.58	776.38	2394.21	2500.28	28.41	-2.673	0.000	0.296
	-18.29	-20.99		-627.14		627.14	3189.50	753.43	2254.74	2361.16	30.98	-2.776	0.000	0.272
105.00 110.00	-17.15	-20.44		-522.18	0.00	522.18	3081.54	727.92	2104.67	2203.22	33.95	-2.892	0.000	0.243
115.00	-16.05	-19.90	-	-419.98	0.00	419.98	2973.57	702.42	1959.78	2050.74	37.03	-2.997	0.000	0.211
120.00	-14.99	-19.36		-320.51	0.00	320.51	2865.60	676.91	1820.05	1903.74	40.22	-3.089	0.000	0.174
125.00	-13.96	-18.83		-223.71	0.00	223.71	2757.64	651.41	1685.48	1762.20	43.50	-3.165	0.000	0.133
126.00	-12.56	-15.69		-204.70	0.00	204.70	2736.04	646.31	1659.19	1734.55	44.16	-3.178	0.000	0.123
128.00	-10.00	-12.95		-173.32		173.32	2692.86	636.11	1607.23	1679.90	45.50	-3.202	0.000	0.107
130.00	-9.63	-12.75	_	-147.42		147.42	2649.67	625.91	1556.09	1626.12	46.85	-3.224	0.000	0.095
	-8.76	-12.25		-83.66		83.66	2541.71	600.40	1431.86	1495.52	50.24	-3.264	0.000	0.060
135.00	-6.06	-12.23		-71.42		71.42	2520.11	595.30	1407.63	1470.06	50.93	-3.271	0.000	0.051
136.00		-7.34 -6.95		-42.06		42.06	2433.74	574.90	1312.80	1370.38	53.68	-3.289	0.000	0.033
140.00	-5.45	-6.48		-42.00		7.29	2325.77	549.40	1198.90	1250.71	57.13	-3.300	0.000	800.0
145.00	-4.71			-0.80		0.80	2304.18	544.29	1176.75	1227.43	57.82	-3.301	0.000	0.001
146.00	-0.36	-0.27		0.00		0.00	2239.40	528.99	1111.51	1158.91	59.89	-3.301	0.000	0.000
149.00	0.00	-0.25	0.00	0.00	0.00	0.50								

Wind Loading - Shaft

Structure: CT13614-A

Site Name: Knowlton Height: 149.00 (ft)

Base Elev: 1.000 (ft)

Gh: 1.1 Code:

TIA-222-H

Exposure: С

Crest Height: 0.00

Site Class:

D - Stiff Soil

Struct Class: II

Page: 14

7/7/2023

Tot

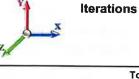
SBA

22

Load Case: 0.9D + 1.0W 119 mph Wind

Topography: 1

Dead Load Factor 0.90 **Wind Load Factor** 1.00



Elev (ft) [Description	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)	Dead Load (lb)
0.00		1.00		28.580	31.44	554.60	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	28.580	31.44	543.40	0.730	0.000	5.00	25.322	18.49	581.1	0.0	1263.3
10.00		1.00	0.85	28.580	31.44	532.20	0.730	0.000	5.00	24.805	18.11	569.3	0.0	1237.3
15.00		1.00	0.86	28.933	31.83	524.21	0.730	0.000	5.00	24.289	17.73	564.3	0.0	1211.3
20.00		1.00	0.91	30.637	33.70	527.84	0.730	0.000	5.00	23.772	17.35	584.8	0.0	1185.4
25.00		1.00	0.95	32.046	35.25	527.98	0.730	0.000	5.00	23.256	16.98	598.4	0.0	1159.4
30.00		1.00	0.99	33.255	36.58	525.76	0.730	0.000	5.00	22.739	16.60	607.2	0.0	1133.4
35.00		1.00	1.02	34.319	37.75	521.83	0.730	0.000	5.00	22.222	16.22	612.4	0.0	1107.5
40.00		1.00	1.05	35.271	38.80	516.58	0.730	0.000	5.00	21.706	15.85	614.8	0.0	1081.5
45.00		1.00	1.07	36.136	39.75	510.28	0.730	0.000	5.00	21.189	15.47	614.9	0.0	1055.6
47.00 Bot - S	ection 2	1.00	1.08	36.462	40.11	507.51	0.730	0.000	2.00	8.331	6.08	243.9	0.0	415.0
50.00		1.00	1.10	36.930	40.62	503.12	0.730	0.000	3.00	12.564	9.17	372.6	0.0	1240.5
53.25 Top - 8	Section 1	1.00	1.11	37.413	41.15	498.08	0.730	0.000	3.25	13.401	9.78	402.6	0.0	1322.7
55.00		1.00	1.12	37.664	41.43	504.46	0.730	0.000	1.75		5.20	215.5	0.0	354.8
60.00		1.00	1.14	38.349	42.18	496.05	0.730	0.000		20.010	14.61	616.2	0.0	996.3
65.00		1.00	1.16	38.990	42.89	487.09	0.730	0.000		19.493	14.23	610.3	0.0	970.3
70.00		1.00	1.18	39.594	43.55	477.67	0.730	0.000		18.977	13.85	603.3	0.0	944.4
75.00		1.00	1.19	40.165	44.18	467.83	0.730	0.000		18.460	13.48	595.4	0.0	918.4
80.00		1.00	1.21	40.708	44.78	457.61	0.730	0.000		17.943	13.10	586.5	0.0	892.4
85.00		1.00	1.23	41.224	45.35	447.05	0.730	0.000		17.427	12.72	576.9	0.0	866.5
90.00		1.00	1.24	41.718	45.89	436,19	0.730	0.000		16.910	12.34	566.5	0.0	840.5
95.00		1.00	1.25	42.190	46.41	425.04	0.730	0.000		16.394	11.97	555.4	0.0	814.6
95.75 Bot - S	ection 3	1.00	1.26	42.259	46.49	423.35	0.730	0.000	0.75	2.414	1.76	81.9	0.0	119.9
100.00		1.00	1.27	42.643	46.91	413.64	0.730	0.000		13.732	10.02	470.2	0.0	1254.4
100.50 Top - S	ection 2	1.00	1.27	42.688	46.96	412.48	0.730	0.000	0.50	1.591	1.16	54.5	0.0	145.3
105.00		1.00	1.28	43.079	47.39	410.44	0.730	0.000		14.087	10.28	487.3	0.0	600.6
110.00		1.00	1.29	43.500	47.85	398.62	0.730	0.000		15.161	11.07	529.6	0.0	646.2
115.00		1.00	1.31	43.905	48.30	386.59	0.730	0.000		14.645	10.69	516.3	0.0	624.0
120.00		1.00		44.297	48.73	374.37	0.730	0.000		14.128	10.31	502.5	0.0	601.7
125.00		1.00		44.676	49.14	361.97	0.730	0.000		13.611	9.94	488.3	0.0	579.5
126.00 Appurte	enance(s)	1.00		44.750	49.23	359.46	0.730	0.000	1.00	2.660	1.94	95.6	0.0	113.2
128.00 Appurte		1.00	1.34	44.898	49.39	354.44	0.730	0.000	2.00	5.259	3.84	189.6	0.0	223.B
130.00		1.00		45.043	49.55		0.730	0.000	2.00	5.176	3.78	187.2	0.0	220.2
135.00		1.00		45.400	49.94	336.66	0.730	0.000		12.578	9.18	458.6	0.0	535.0
136.00 Appurte	enance(s)	1.00		45.470	50.02	334.09	0.730	0.000	1.00	2.454	1.79	89.6	0.0	104.3
140.00	, ,	1.00		45.746	50.32	323.77		0.000	4.00	9.608	7.01	352.9		
145.00		1.00		46.083	50.69	310.74	0.730	0.000		11.545	8.43	352.9 427.2	0.0	408.4
146.00 Appurte	enance(s)	1.00		46.150	50.76	308.11	0.730	0.000	1.00	2.247	1.64		0.0	490.5
149.00		1.00		46.346	50.98	300.11	0.730	0.000	3.00	6.617	4.83	83.3 246.3	0.0	95.4
				. 3.0 . 0	50.00	500.21	J.100	Totals:	149.00	0.017	4.03	16,553.3	0.0 _	280.9 28,054.5

Discrete Appurtenance Forces

CT13614-A Structure:

Code:

TIA-222-H

7/7/2023

Site Name: Knowlton

Exposure:

Height:

Gh:

149.00 (ft)

Crest Height: 0.00

SBA

Base Elev: 1.000 (ft)

1.1

Topography: 1

D - Stiff Soil Site Class:

Struct Class: II

С

Page: 15

Iterations

22

Load Case: 0.9D + 1.0W 119 mph Wind

Dead Load Factor

0.90

1.00 **Wind Load Factor**

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	146.00		3	46,150	50.765	0.65	0.90	39.35	331.56	0.000	0.000	1997.41	0.00	0.00
2		Ericsson KRY 112 489/4	6	46.150	50.765	0.75	0.90	2.51	83.16	0.000	0.000	127.41	0.00	0.00
3		Low Profile Platform w/	1	46.150	50.765	1.00	1.00	34.54	2060.10	0.000	0.000	1753.41	0.00	0.00
4		Ericsson AIR6419 B41	3	46.150	50.765	0.66	0.90	12.46	224.10	0.000	0.000	632.36	0.00	0.00
5		Kathrein 782 10662	3	46.150	50.765	0.71	0.90	0.32	4.86	0.000	0.000	16.24	0.00	0.00
6		Commscope VV-65A-R1	3	46.150	50.765	0.66	0.90	11.67	64.29	0.000	0.000	592.34	0.00	0.00
7		Ericsson 4449 B71 + B85	3	46.150	50.765	0.81	0.90	4.74	202.50	0.000	0.000	240.55	0.00	0.00
8		Ericsson 4460 B25 + B66	3	46.150	50.765	0.77	0.90	4.91	280.80	0.000	0.000	249.32	0.00	0.00
9		Empty Pipe Mounts	3	46.150	50.765	0.90	0.90	5.18	162.00	0.000	0.000	263.16	0.00	0.00
10		Low Profile Platform w/	1	45.470	50.017	1.00	1.00	43.29	1350.00	0.000	0.000	2165.24	0.00	0.00
11		DC2-48-60-18-8F	1	45.470	50.017	0.63	0.80	0.58	13.05	0.000	0.000	29.08	0.00	0.00
12		RRUS-11	6	45.470	50.017	0.55	0.80	12.55	275.40	0.000	0.000	627.84	0.00	0.00
13		LGP21903	6	45.470	50.017	0.59	0.80	0.82	29.70	0.000	0.000	40.86	0.00	0.00
14		AM-X-CD-17-65-00T-RET	3	45.470	50.017	0.63	0.80	12.13	160.65	0.000	0.000	606.93	0.00	0.00
15	136.00		6	45.470	50.017	0.62	0.80	20.36	189.00	0.000	0.000	1018.60	0.00	0.00
16		LGP21401	6	45.470	50.017	0.53	0.80	3.33	76.14	0.000	0.000	166.38	0.00	0.00
17		Low Profile Platform w/	1	44.898	49.388	1.00	1.00	35.03	1677.15	0.000	0.000	1730.05	0.00	0.00
18	,	BXA-70063/6CF 2°	3	44.898	49.388	0.60	0.80	13.63	45.90	0.000	0.000	672.95	0.00	0.00
19	-	B2/B66A	3	44.750	49.225	0.66	0.80	3.74	227.88	0.000	0.000	184.35	0.00	0.00
20		MX06FRO660-03	6	44.750	49.225	0.70	0.80	41.22	324.00	0.000	0.000	2028.93	0.00	0.00
21		MT6407-77A	3	44.750	49.225	0.56	0.80	7.90	235.17	0.000	0.000	388.68	0.00	0.00
22		Kaelus BSF0020F3V1-1	2	44.898	49.388	1.00	1.00	1.92	31.68	0.000	2.000	94.82	0.00	189.65
23		B5/B13	3	44.750	49.225	0.66	0.80	3.74	189.81	0.000	0.000	184.35	0.00	0.00
24		Raycap	1	44.750	49.225	0.66	0.80	1.67	18.90	0.000	0.000	82.04	0.00	0.00

Totals:

8,257.80

15,893.30

Total Applied Force Summary

Structure: CT13614-A

Code: TIA-222-H

Site Name: Knowlton Height: 149.00 (ft)

Exposure: Crest Height: 0.00

Base Elev: 1.000 (ft)

Site Class:

Gh: 1.1

Topography: 1

Struct Class: II

D - Stiff Soil

Page: 16

7/7/2023

22

Iterations

SBA

Load Case: 0.9D + 1.0W 119 mph Wind

Dead Load Factor 0.90 **Wind Load Factor** 1.00



Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)		
0.00		0.00	0.00	0.00	0.00		
5.00		581.13	1460.95	0.00	0.00		
10.00		569.27	1434.99	0.00	0.00		
15.00		564.30	1409.03	0.00	0.00		
20.00		584.84	1383.07	0.00	0.00		
25.00		598.44	1357.11	0.00	0.00		
30.00		607.22	1331.14	0.00	0.00		
35.00		612.41	1305.18	0.00	0.00		
40.00		614.78	1279.22	0.00	0.00		
45.00		614.86	1253.26	0.00	0.00		
47.00		243.92	494.04	0.00	0.00		
50.00		372.58	1359.07	0.00	0.00		
53.25		402.60	1451.24	0.00	0.00		
55.00		215.51	424.03	0.00	0.00		
60.00		616.18	1193.98	0.00	0.00		
65.00		610.31	1168.02	0.00	0.00		
70.00		603.34	1142.06	0.00	0.00		
75.00		595.39	1116.10	0.00	0.00		
80.00		586.54	1090.14	0.00	0.00		
85.00		576.88	1064.18	0.00	0.00		
90.00		566.48	1038.22	0.00	0.00		
95.00		555.39	1012.26	0.00	0.00		
95.75		81.93	149.60	0.00	0.00		
100.00		470.23	1422.41	0.00	0.00		
100.50		54.54	165.05	0.00	0.00		
105.00		487.30	778.57	0.00	0.00		
110.00		529.58	843.94	0.00	0.00		
115.00		516.31	821.69	0.00	0.00		
20.00		502.54	799.44	0.00	0.00		
25.00		488.31	777.18	0.00	0.00		
26.00	(18) attachments	3058.77	1180.21	0.00	189.65		
28.00	(4) attachments	2592.59	2025.91	0.00	0.00		
30.00		187.21	276.62	0.00	0.00		
135.00		458.56	675.98	0.00	0.00		
36.00	(29) attachments	4744.52	2226.47	0.00	0.00		
40.00		352.94	472.67	0.00	0.00		
145.00		427.22	570.82	0.00	0.00		
46.00	(28) attachments	5955.47	3524.86	0.00	0.00		
149.00		246.26	284.48	0.00	0.00		
	Totals:	32,446.65	41,763.19	0.00	189.65		

Linear Appurtenance Segment Forces (Factored)

CT13614-A Structure:

Code:

TIA-222-H

7/7/2023

Site Name: Knowlton Height:

149.00 (ft)

Exposure:

Site Class:

C

Crest Height: 0.00

D - Stiff Soil

Base Elev: 1.000 (ft) Gh:

1.1

Topography: 1

Struct Class: II

Page: 17

SBA

Load Case: 0.9D + 1.0W 119 mph Wind

Dead Load Factor

0.90

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)
	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.017	0.000	28.580	0.00	1.23
5.00	•	Yes	5.00	0.000	0.63	0.26	0.00	0.017	0.000	28.580	0.00	4.68
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.38	0.16	0.00	0.017	0.000	28.580	0.00	1.23
10.00	Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.017	0.000	28.580	0.00	4.68
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.38	0.16	0.00	0.017	0.000	28.933	0.00	1.23
15.00	Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.017	0.000	28.933	0.00	4.68
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	30.637	0.00	1.23
20.00	Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	30.637	0.00	4.68
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	32.046	0.00	1.23
25.00	Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	32.046	0.00	4.68
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	33.255	0.00	1.23
30.00	Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	33.255	0.00	4.68
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	34.319	0.00	1.23
35.00	Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	34.319	0.00	4.68
35.00	Step bolts (ladder)	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	35.271	0.00	1.23
40.00	Safety Cable		5.00	0.000	0.63	0.26	0.00	0.019	0.000	35.271	0.00	4.68
40.00	Step bolts (ladder)	Yes	5.00	0.000	0.38	0.16	0.00	0.020	0.000	36.136	0.00	1.23
45.00	Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.020	0.000	36.136	0.00	4.68
45.00	Step bolts (ladder)	Yes	2.00	0.000	0.38	0.06	0.00	0.020	0.000	36.462	0.00	0.49
47.00	Safety Cable	Yes	2.00	0.000	0.63	0.10	0.00	0.020	0.000	36.462	0.00	1.87
47.00	Step bolts (ladder)	Yes	3.00	0.000	0.38	0.10	0.00	0.020	0.000	36.930	0.00	0.74
50.00	Safety Cable	Yes	3.00	0.000	0.63	0.16	0.00	0.020	0.000	36.930	0.00	2.81
50.00	Step bolts (ladder)	Yes	3.00	0.000	0.38	0.10	0.00	0.021	0.000	37.413	0.00	0.80
53.25	Safety Cable	Yes	3.25	0.000	0.63	0.17	0.00	0.021	0.000	37.413	0.00	3.04
53.25	Step bolts (ladder)	Yes	1.75	0.000	0.38	0.06	0.00	0.021	0.000	37.664	0.00	0.43
55.00	Safety Cable	Yes	1.75	0.000	0.63	0.09	0.00	0.021	0.000	37.664	0.00	1.64
55.00	Step bolts (ladder)	Yes	5.00	0.000	0.38	0.16	0.00	0.021	0.000	38.349	0.00	1.23
60.00	Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.021	0.000	38.349	0.00	4.68
60.00	· ·	Yes	5.00	0.000	0.38	0.16	0.00	0.022	0.000	38.990	0.00	1.23
65.00	Safety Cable	Yes		0.000	0.63	0.26	0.00	0.022	0.000	38.990	0.00	4.68
65.00	Step bolts (ladder)	Yes	5.00	0.000	0.38	0.16	0.00	0.022	0.000	39.594	0.00	1.23
70.00		Yes	5.00 5.00	0.000	0.63	0.26	0.00	0.022	0.000	39.594	0.00	4.68
70.00	•	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	40.165	0.00	1.23
75.00		Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	40.165	0.00	4.68
75.00		Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	40.708	0.00	1.23
80.00	•	Yes		0.000	0.63	0.26	0.00	0.023	0.000	40.708	0.00	4.68
80.00		Yes	5.00	0.000	0.38	0.16	0.00	0.024	0.000	41.224	0.00	1.23
85.00	•	Yes	5.00	0.000	0.63	0.16	0.00	0.024	0.000	41.224	0.00	4.68
85.00	• •	Yes	5.00	0.000	0.38	0.26	0.00	0.025	0.000	41.718	0.00	1.23
90.00	•	Yes	5.00 5.00	0.000	0.63	0.16	0.00	0.025	0.000	41.718	0.00	4.68
	Step bolts (ladder)	Yes				0.16	0.00	0.026	0.000	42.190	0.00	1.23
	Safety Cable	Yes	5.00	0.000	0.38 0.63	0.16	0.00	0.026	0.000	42.190	0.00	4.68
	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.20	0.00	0.026	0.000	42.259	0.00	0.18
	Safety Cable	Yes	0.75	0.000	0.38	0.02	0.00	0.026	0.000	42.259	0.00	0.70
	Step bolts (ladder)	Yes	0.75	0.000		0.04	0.00	0.027	0.000	42.643	0.00	1.04
	Safety Cable	Yes	4.25	0.000	0.38 0.63	0.13	0.00	0.027	0.000	42.643	0.00	3.98
	Step bolts (ladder)	Yes	4.25	0.000	0.83	0.22	0.00	0.027	0.000	42.688	0.00	0.12
100.50	Safety Cable	Yes	0.50	0.000	0,30	0.02	0.00	0.021		,	-	

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Linear Appurtenance Segment Forces (Factored)

Structure: CT13614-A

Site Name: Knowlton Height: 149.00 (ft)

Base Elev: 1.000 (ft)

Gh: 1.1 Code:

TIA-222-H

7/7/2023

Exposure: Crest Height: 0.00

Site Class:

Struct Class: II

D - Stiff Soil

Page: 18



Load Case: 0.9D + 1.0W 119 mph Wind

Topography: 1

Dead Load Factor 0.90 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)
100.50	Step bolts (ladder)	Yes	0.50	0.000	0.63	0.03	0.00	0.027	0.000	42.688	0.00	0.47
105.00	Safety Cable	Yes	4.50	0.000	0.38	0.14	0.00	0.027	0.000	43.079	0.00	1.11
105.00	Step bolts (ladder)	Yes	4.50	0.000	0.63	0.24	0.00	0.027	0.000	43.079	0.00	4.21
110.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.028	0.000	43.500	0.00	1.23
110.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.028	0.000	43.500	0.00	4.68
115.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.029	0.000	43.905	0.00	1.23
115.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.029	0.000	43.905	0.00	4.68
120.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.030	0.000	44.297	0.00	1.23
120.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.030	0.000	44.297	0.00	4.68
125.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.031	0.000	44.676	0.00	1.23
125.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.031	0.000	44.676	0.00	4.68
126.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.032	0.000	44.750	0.00	0.25
126.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.032	0.000	44.750	0.00	0.94
128.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.032	0.000	44.898	0.00	0.49
128.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.032	0.000	44.898	0.00	1.87
130.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.033	0.000	45.043	0.00	0.49
130.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.033	0.000	45.043	0.00	1.87
135.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.033	0.000	45.400	0.00	1.23
135.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.033	0.000	45.400	0.00	4.68
136.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.034	0.000	45.470	0.00	0.25
136.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.034	0.000	45.470	0.00	0.94
140.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.035	0.000	45.746	0.00	0.98
140.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.035	0.000	45.746	0.00	3.74
145.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.036	0.000	46.083	0.00	1.23
145.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.036	0.000	46.083	0.00	4.68
146.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.037	0.000	46.150	0.00	0.25
146.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.037	0.000	46.150	0.00	0.94
149.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.038	0.000	46.346	0.00	0.74
149.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.038	0.000	46.346	0.00	2.81
									Tot	tals:	0.0	176.1

Calculated Forces

CT13614-A Structure:

Code: TIA-222-H

Site Name: Knowlton

Exposure:

7/7/2023

Height:

149.00 (ft)

Crest Height: 0.00

Base Elev: 1.000 (ft)

Site Class:

D - Stiff Soil

SBA

1.1 Gh:

Topography: 1

Struct Class: II

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-3.265

0.000

0.000

59.27

528.99 1111.51 1158.91

Iterations

22

Load Case: 0.9D + 1.0W 119 mph Wind

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

0.00

0.00

-0.26

-0.25

146.00

149.00

-0.27

0.00

0.00

0.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-41.73	-32.49	0.00	-3458.5	0.00	3458.50	5580.79	1462.72	7284.32	6896.19	0.00	0.000	0.000	0.509
5.00	-40.19	-32.00		-3296.0	0.00	3296.03	5509.80	1432.96	6990.98	6668.96	0.07	-0.127	0.000	0.502
10.00	-38.69	-31.51	0.00	-3136.0	0.00	3136.03	5437.04	1403.21	6703.67	6443.24	0.27	-0.255	0.000	0.494
15.00	-37.21	-31.03		-2978.4	0.00	2978.47	5362.51	1373.45	6422.39	6219.15	0.61	-0.385	0.000	0.486
20.00	-35.77	-30.51	0.00	-2823.3	0.00	2823.34	5286.22	1343.70	6147.13	5996.84	1.08	-0.516	0.000	0.478
25.00	-34.34	-29.98		-2670.7	0.00	2670.77	5208.16	1313.95	5877.91	5776.42	1.69	-0.649	0.000	0.469
30.00	-32.95	-29.44		-2520.8	0.00	2520.87	5128.34	1284.19	5614.71	5558.05	2.45	-0.783	0.000	0.461
35.00	-31.59	-28.88		-2373.7	0.00	2373.70	5046.75	1254.44	5357.54	5341.85	3.34	-0.919	0.000	0.451
40.00	-30.25	-2B.31	0.00	-2229.3	0.00	2229.31	4963.39	1224.68	5106.40	5127.96	4.38	-1.056	0.000	0.441
45.00	-28.96	-27.72		-2087.7	0.00	2087.74	4878.27	1194.93	4861.29	4916.50	5.56	-1.194	0.000	0.431
47.00	-28.44	-27.50		-2032.2	0.00	2032.29	4843.73	1183.03	4764.93	4832.64	6.07	-1.250	0.000	0.427
50.00	-20.44	-27.14		-1949.7	0.00	1949.78	4791.38	1165.17	4622.20	4707.63	6.88	-1.335	0.000	0.420
53.25	-25.57	-26.74		-1861.5	0.00	1861.56	4797.23	1167.16	4637.95	4721.46	7.82	-1.427	0.000	0.400
55.00	-25.11	-26.55		-1814.7	0.00	1814.77	4766.44	1156.74	4555.55	4648.93	8.36	-1.477	0.000	0.396
60.00	-23.88	-25.96		-1682.0	0.00	1682.02	4677.28	1126.99	4324.20	4443.55	9.97	-1.610	0.000	0.384
65.00	-22.67	-25.37		-1552.2	0.00	1552.22	4586.36	1097.23	4098.88	4241.06	11.73	-1.742	0.000	0.37
70.00	-21.49	-24.78		-1425.3	0.00	1425.39	4493.67	1067.48	3879.59	4041.58	13.63	-1.874	0.000	0.358
75.00	-20.34	-24.19		-1301.5	0.00	1301.51	4393.03	1037.72	3666.33	3839.84	15.66	-2.006	0.000	0.344
80.00	-19.22	-23.61		-1180.5	0.00	1180.55	4267.07	1007.97	3459.10	3621.71	17.83	-2.136	0.000	0.331
85.00	-18.12	-23.03		-1062.5	0.00	1062.51	4141.11	978.21	3257.89	3409.96	20.14	-2.265	0.000	0.317
90.00	-17.06	-22.46		-947.35	0.00	947.35	4015.15	948.46	3062.71	3204.59	22.58	-2.391	0.000	0.300
95.00	-16.05	-21.88		-835.05	0.00	835.05	3889.19	918.71	2873.56	3005.60	25.15	-2.513	0.000	0.283
95.75	-15.88	-21.81		-818.64	0.00	818.64	3870.29	914.24	2845.71	2976.30	25.55	-2.532	0.000	0.280
100.00	-14.46	-21.29		-725.94	0.00	725.94	3763.23	888.95	2690.44	2812.98	27.85	-2.633	0.000	0.262
	-14.40	-21.29		-715.30	0.00	715.30	3276.58	776.38	2394.21	2500.28	28.12	-2.645	0.000	0.291
100.50 105.00	-13.48	-20.75		-619.70	0.00	619.70	3189.50	753.43	2254.74	2361.16	30.66	-2.746	0.000	0.267
110.00	-12.62	-20.73		-515.98	0.00	515.98	3081.54	727.92	2104.67	2203.22	33.60	-2.861	0.000	0.239
115.00	-12.82	-19.66		-414.99	0.00	414.99	2973.57	702.42	1959.78	2050.74	36.66	-2.965	0.000	0.207
	-11.00	-19.00		-316.68	0.00	316.68	2865.60	676.91	1820.05	1903.74	39.81	-3.056	0.000	0.17
120.00	-10.23	-18.61		-221.01	0.00	221.01	2757.64	651.41	1685.48	1762.20	43.05	-3.131	0.000	0.130
125.00	-10.23 -9.22	-15.50		-202.21	0.00	202.21	2736.04	646.31	1659.19	1734.55	43.71	-3.144	0.000	0.12
126.00		-12.80		-171.22	0.00	171.22	2692.86	636.11	1607.23	1679.90	45.03	-3.168	0.000	0.10
128.00	-7.33 7.06	-12.60		-145.62	0.00	145.62	2649.67	625.91	1556.09	1626.12	46.36	-3.189	0.000	0.093
130.00	-7.06	-12.11		-82.62	0.00	82.62	2541.71	600.40	1431.86	1495.52	49.73	-3.229	0.000	0.058
135.00	-6.41	-12.11 -7.25		-70.51	0.00	70.51	2520.11	595.30	1407.63	1470.06	50.40	-3.235	0.000	0.05
136.00	-4.45	-7.25 -6.87		-41.53	0.00	41.53	2433.74	574.90	1312.80	1370.38	53.12	-3.253	0.000	0.03
140.00	-4.00			-41.55 -7.19	0.00	7.19	2325.77	549.40	1198.90	1250.71	56.53	-3.264	0.000	0.00
145.00	-3.45	-6.41		-7.19	0.00	0.79	2304.18	544.29	1176.75	1227.43	57.22	-3.265	0.000	0.00
146.00	_0.27	-0.26	. 0.00	-0.79	0.00	0.70								

2239.40

Wind Loading - Shaft

Structure: CT13614-A

Code: TIA-222-H

Site Name: Knowlton

Exposure:

Height: 149.00 (ft) Crest Height: 0.00

Base Elev: 1.000 (ft)

Site Class:

D - Stiff Soil

Gh:

1.1

Topography: 1

Struct Class: ||

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7/7/2023

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

Dead Load Factor 1.20 Wind Load Factor 1.00



Iterations

21

0.00 5.00 10.00 15.00 20.00 25.00 30.00 35.00		1.00 1.00 1.00 1.00	0.85 0.85 0.85	5.046	5.55				(ft)	(sf)	(sf)	(lb)	(lb)	(lb)
10.00 15.00 20.00 25.00 30.00		1.00		E 040	0.00	0.00	1.200	1.057	0.00	0.000	0.00	0.0	0.0	0.0
15.00 20.00 25.00 30.00			0 R5	5.046	5.55	0.00	1.200	1.265	5,00	26.376	31.65	175.7	479.4	2163.8
20.00 25.00 30.00		1.00	0.00	5.046	5.55	0.00	1.200	1.344	5.00	25.925	31.11	172.7	499.8	2149.5
25.00 30.00			0.86	5.108	5.62	0.00	1.200	1.395	5.00	25.452	30.54	171.6	508.6	2123.7
30.00		1.00	0.91	5.409	5.95	0.00	1.200	1.434	5.00	24.967	29.96	178.3	512.0	2092.5
		1.00	0.95	5.658	6.22	0.00	1.200	1.465	5.00	24.476	29.37	182.8	512.1	2058.0
35.00		1.00	0.99	5.871	6.46	0.00	1.200	1.491	5.00	23.981	28.78	185.8	510.1	2021.3
33.00		1.00	1.02	6.059	6.66	0.00	1.200	1.513	5.00	23.483	28.18	187.8	506.4	1983.0
40.00		1.00	1.05	6.227	6.85	0.00	1.200	1.533	5.00	22.983	27.58	188.9	501.5	1943.5
45.00		1.00	1.07	6.380	7.02	0.00	1.200	1.551	5.00	22.482	26.98	189.3	495.6	1903.0
47.00 Bot	- Section 2	1.00	1.08	6.437	7.08	0.00	1.200	1.557	2.00	8.850	10.62	75.2	197.2	750.5
50.00		1.00	1.10	6.520	7.17	0.00	1.200	1.567	3.00	13.347	16.02	114.9	298.5	1952.4
53.25 Top	- Section 1	1.00	1.11	6.605	7.27	0.00	1.200	1.576	3.25	14.255	17.11	124.3	320.3	2084.0
55.00		1.00	1.12	6.649	7.31	0.00	1.200	1.581	1.75	7.587	9.10	66.6	171.6	644.7
60.00		1.00	1.14	6.770	7.45	0.00	1.200	1.595		21.339	25.61	190.7	482.3	1810.7
65.00		1.00	1.16	6.883	7.57	0.00	1.200	1.608		20.833	25.00	189.3	474.0	1767.7
70.00		1.00	1.18	6.990	7.69	0.00	1.200	1.619		20.326	24.39	187.5	465.2	1724.3
75.00		1.00	1.19	7.091	7.80	0.00	1.200	1.631		19.819	23.78	185.5	456.0	1680.5
80.00		1.00	1.21	7.187	7.91	0.00	1.200	1.641		19.311	23.17	183.2	446.4	1636.4
85.00		1.00	1.23	7.278	8.01	0.00	1.200	1.651		18.802	22.56	180.6	436.6	1591.9
90.00		1.00	1.24	7.365	8.10	0.00	1.200	1.660		18.294	21.95	177.8	426.5	1547.2
95.00		1.00	1.25	7.448	8.19	0.00	1.200	1.669		17.785	21.34	174.9	416.1	1502.1
95.75 Bot	- Section 3	1.00	1.26	7.461	8.21	0.00	1.200	1.670	0.75	2.623	3.15	25.8	62.2	222.1
100.00		1.00	1.27	7.528	8.28	0.00	1.200	1.678		14.921	17.90	148.3	351.3	2023.8
100.50 Top	- Section 2	1.00	1.27	7.536	8.29	0.00	1.200	1.678	0.50	1.731	2.08	17.2	41.2	234.9
105.00		1.00	1.28	7.605	8.37	0.00	1.200	1.686		15.351	18.42	154.1	362.3	1163.1
110.00		1.00	1.29	7.679	8.45	0.00	1.200	1.693		16.572	19.89	168.0	391.5	1253.2
115.00		1.00	1.31	7.751	8.53	0.00	1.200	1.701		16.062	19.27	164.3	380.3	1212.3
120.00		1.00	1.32	7.820	8.60	0.00	1.200	1.708		15.551	18.66	160.5	368.9	1171.2
125.00		1.00	1.33	7.887	8.68	0.00	1.200	1.715		15.041	18.05	156.6	357.4	1130.0
126.00 App	urtenance(s)	1.00	1.33	7.900	8.69	0.00	1.200	1.716	1.00	2.946	3.54	30.7	71.0	222.0
128.00 App	urtenance(s)	1.00	1.34	7.926	8.72	0.00	1.200	1.719	2.00	5.832	7.00	61.0	140.1	438.5
130.00	' '	1.00	1.34	7.952	8.75	0.00	1.200	1.722	2.00	5.750	6.90	60.4	138.3	431.9
135.00		1.00	1.35	8.015	8.82	0.00	1.200	1.728		14.018	16.82	148.3	333.8	1047.1
136.00 App	urtenance(s)	1.00	1.35	8.027	8.83	0.00	1.200	1.729	1.00	2.742	3.29	29.1	66.3	205.4
140.00	ì	1.00	1.36	8.076	8.88	0.00	1.200	1.734		10.764	12.92	114.8	257.4	802.0
145.00		1.00	1.37	8.136	8.95	0.00	1.200	1.741		12.996	15.59	139.6	309.7	963.6
146.00 App	urtenance(s)	1.00	1.37	8.147	8.96	0.00	1.200	1.742	1.00	2.537	3.04	27.3	61.4	188.7
149.00	, ,	1.00	1.38	8.182	9.00	0.00	1.200	1.745	3.00	7.490	8.99	80.9	179.9	554.5
						5.50		Totals:	149.00	1.700	0.00	5,170.2	173.5	50,395.0

Discrete Appurtenance Forces

CT13614-A Structure:

Code:

TIA-222-H

7/7/2023

Site Name: Knowlton Height:

149.00 (ft)

Exposure:

С

Crest Height: 0.00

SBA

21

Base Elev: 1.000 (ft)

Gh:

1.1

Topography: 1

Site Class:

D - Stiff Soil

Struct Class: II

Page: 21

Iterations

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

Dead Load Factor

1.20

Wind Load Factor 1.00

No.	Elev (ft) Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
	146.00 RFS	3	8.147	8.962	0.66	0.90	43.56	1017.04	0.000	0.000	390.40	0.00	0.00
1	146.00 KFS 146.00 Ericsson KRY 112 489/4	6	8.147	8.962	0.77	0.90	4.06	177.57	0.000	0.000	36.36	0.00	0.00
2	146.00 Low Profile Platform w/	1	8.147	8.962	1.00	1.00	64.62	6106.25	0.000	0.000	579.12	0.00	0.00
3 4	146.00 Ericsson AIR6419 B41	3	8.147	8.962	0.67	0.90	14.63	1004.00	0.000	0.000	131.14	0.00	0.00
5	146.00 Kathrein 782 10662	3	8.147	8.962	0.76	0.90	0.76	12.05	0.000	0.000	6.81	0.00	0.00
6	146.00 Commscope VV-65A-R1		8.147	8.962	0.68	0.90	14.10	258.56	0.000	0.000	126.37	0.00	0.00
7	146.00 Ericsson 4449 B71 + B85		8.147	8.962	0.82	0.90	6.16	342.33	0.000	0.000	55.20	0.00	0.00
8	146.00 Ericsson 4460 B25 + B66	-	8.147	8.962	0.77	0.90	6.31	448.84	0.000	0.000	56.54	0.00	0.00
9	146.00 Empty Pipe Mounts	3	8.147	8.962	0.90	0.90	9.70	621.72	0.000	0.000	86.92	0.00	0.00
10	136.00 Low Profile Platform w/	1	8.027	8.830	1.00	1.00	80.72	3667.82	0.000	0.000	712.80	0.00	0.00
11	136.00 DC2-48-60-18-8F	1	8.027	8.830	0.65	0.80	0.85	23.71	0.000	0.000	7.47	0.00	0.00
12	136.00 RRUS-11	6	8.027	8.830	0.57	0.80	15.51	809.94	0.000	0.000	136.93	0.00	0.00
13	136.00 LGP21903	6	8.027	8.830	0.62	0.80	1.66	62.27	0.000	0.000	14.63	0.00	0.00
14	136.00 AM-X-CD-17-65-00T-RE	-	8.027	8.830	0.64	0.80	14.38	486.82	0.000	0.000	126.97	0.00	0.00
15	136.00 7770	6	8.027	8.830	0.62	0.80	24.43	1222.22	0.000	0.000	215.68	0.00	0.00
16	136.00 LGP21401	6	8.027	8.830	0.56	0.80	4.94	212.67	0.000	0.000	43.63	0.00	0.00
17	128.00 Low Profile Platform w/	1	7.926	8.719	1.00	1.00	65.14	4606.24	0.000	0.000	567.95	0.00	0.00
18	128.00 BXA-70063/6CF 2°	3	7.926	8.719	0.61	0.80	16.00	426.65	0.000	0.000	139.51	0.00	0.00
19	126.00 B2/B66A	3	7.900	8.690	0.68	0.80	4.93	445.91	0.000	0.000	42.83	0.00	0.00
20	126.00 MX06FRO660-03	6	7.900	8.690	0.70	0.80	47.24	1619.35	0.000	0.000	410.56	0.00	0.00
21	126.00 MT6407-77A	3	7.900	8.690	0.57	0.80	9.52	591.45	0.000	0.000	82.74	0.00	0.00
22	126.00 M10407-77A 126.00 Kaelus BSF0020F3V1-1	2	7.926	8.719	1.00	1.00	2.70	61.42	0.000	2.000	23.56	0.00	47.11
23	126.00 B5/B13	3	7.900	8.690	0.68	0.80	4.93	367.85	0.000	0.000	42.83	0.00	0.00
24	126.00 Bo/B13	1	7.900	8.690	0.67	0.80	2.10	60.58	0.000	0.000	18.25	0.00	0.00
24	120.00 Naycap							04.052.20			4 055 21		

Totals:

24,653.28

4,055.21

Total Applied Force Summary

Structure: CT13614-A

Base Elev: 1.000 (ft)

Code:

TIA-222-H

7/7/2023

Site Name: Knowlton

Exposure:

Height:

149.00 (ft)

Crest Height: 0.00

D - Stiff Soil

SBA

Gh:

1.1

Topography: 1

Site Class: Struct Class: ||

Page: 22

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

Dead Load Factor

1.20

Wind Load Factor 1.00

	1	
	<u></u>	- X
4		

Iterations 21

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)	
0.00		0.00	0.00	0.00	0.00	
5.00		175.67	2452.06	0.00	0.00	
10.00		172.66	2440.61	0.00	0.00	
15.00		171.60	2416.76	0.00	0.00	
20.00		178.25	2387.01	0.00	0.00	
25.00		182.79	2353.74	0.00	0.00	
30.00		185.85	2318.09	0.00	0.00	
35.00		187.81	2280.70	0.00	0.00	
40.00		188.91	2241.99	0.00	0.00	
45.00		189.32	2202.22	0.00	0.00	
47.00		75.20	870.27	0.00	0.00	
50.00		114.86	2132.36	0.00	0.00	
53.25		124.28	2279.17	0.00	0.00	
55.00		66.59	749.86	0.00	0.00	
60.00		190.70	2111.81	0.00	0.00	
65.00		189.29	2069.38	0.00	0.00	
70.00		187.54	2026.48	0.00	0.00	
75.00		185.50	1983.16	0.00	0.00	
80.00		183.19	1939.46	0.00	0.00	
85.00		180.63	1895.44	0.00	0.00	
90.00		177.84	1851.10	0.00	0.00	
95.00		174.85	1806.49	0.00	0.00	
95.75		25.83	267.76	0.00	0.00	
100.00		148.27	2282.84	0.00	0.00	
100.50		17.22	265.41	0.00	0.00	
105.00		154.11	1437.71	0.00	0.00	
110.00		167.99	1558.60	0.00	0.00	
115.00		164.34	1518.06	0.00	0.00	
120.00		160.53	1477.33	0.00	0.00	
125.00		156.59	1436.43	0.00	0.00	
126.00	(18) attachments	651.49	3429.84	0.00	47.11	
128.00	(4) attachments	768.48	5594.06	0.00	0.00	
130.00		60.35	524.34	0.00	0.00	
135.00		148.31	1278.53	0.00	0.00	
136.00	(29) attachments	1287.17	6737.14	0.00	0.00	
140.00		114.75	922.64	0.00	0.00	
145.00		139.56	1114.75	0.00	0.00	
146.00	(28) attachments	1496.15	10207.27	0.00	0.00	
149.00		80.89	585.76	0.00	0.00	
	Totals:	9,225.37	83,446.62	0.00	47.11	

Linear Appurtenance Segment Forces (Factored)

CT13614-A Structure:

Base Elev: 1.000 (ft)

Code:

TIA-222-H

7/7/2023

Height:

Site Name: Knowlton 149.00 (ft) Exposure:

С

Crest Height: 0.00

Site Class:

D - Stiff Soil

Gh:

1.1

Topography: 1

Struct Class: ||

Page: 23

SBA

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

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



Iteration	s 2	1
F X (lb)	Dead Load (Ib)	
 0.00	13.31	_

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)
5.00	Safety Cable	Yes	5.00	0.000	0.38	1.21	0.00	0.017	0.000	5.046	0.00	13.31
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.32	0.00	0.017	0.000	5.046	0.00	19.25
10.00	Safety Cable	Yes	5.00	0.000	0.38	1.28	0.00	0.017	0.000	5.046	0.00	14.69
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.38	0.00	0.017	0.000	5.046	0.00	20.70
15.00	Safety Cable	Yes	5.00	0.000	0.38	1.32	0.00	0.017	0.000	5.108	0.00	15.62
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.43	0.00	0.017	0.000	5.108	0.00	21.69
20.00	Safety Cable	Yes	5.00	0.000	0.38	1.35	0.00	0.018	0.000	5.409	0.00	16.34
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.46	0.00	0.018	0.000	5.409	0.00	22.44
25.00	Safety Cable	Yes	5.00	0.000	0.38	1.38	0.00	0.018	0.000	5.658	0.00	16.94
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.48	0.00	0.018	0.000	5.658	0.00	23.07
30.00	Safety Cable	Yes	5.00	0.000	0.38	1.40	0.00	0.019	0.000	5.871	0.00	17.44
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.50	0.00	0.019	0.000	5.871	0.00	23.60
35.00	Safety Cable	Yes	5.00	0.000	0.38	1.42	0.00	0.019	0.000	6.059	0.00	17.89
35.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.52	0.00	0.019	0.000	6.059	0.00	24.07
40.00	Safety Cable	Yes	5.00	0.000	0.38	1.44	0.00	0.019	0.000	6.227	0.00	18.29
40.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.54	0.00	0.019	0.000	6.227	0.00	24.48
45.00	Safety Cable	Yes	5.00	0.000	0.38	1.45	0.00	0.020	0.000	6.380	0.00	18.65
45.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.55	0.00	0.020	0.000	6.380	0.00	24.86
47.00	Safety Cable	Yes	2.00	0.000	0.38	0.58	0.00	0.020	0.000	6,437	0.00	7.51
47.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.62	0.00	0.020	0.000	6.437	0.00	10.00
50.00	Safety Cable	Yes	3.00	0.000	0.38	0.88	0.00	0.020	0.000	6.520	0.00	11.39
50.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.94	0.00	0.020	0.000	6.520	0.00	15.12
53.25	Safety Cable	Yes	3.25	0.000	0.38	0.96	0.00	0.021	0.000	6.605	0.00	12.46
53.25	Step bolts (ladder)	Yes	3.25	0.000	0.63	1.02	0.00	0.021	0.000	6.605	0.00	16.52 6.75
55.00	Safety Cable	Yes	1.75	0.000	0.38	0.52	0.00	0.021	0.000	6.649	0.00	8.93
55.00	Step bolts (ladder)	Yes	1.75	0.000	0.63	0.55	0.00	0.021	0.000	6.649	0.00	19.56
60.00	Safety Cable	Yes	5.00	0.000	0.38	1.49	0.00	0.021	0.000	6.770	0.00	25.82
60.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.59	0.00	0.021	0.000	6.770	0.00	19.83
65.00	Safety Cable	Yes	5.00	0.000	0.38	1.50	0.00	0.022	0.000	6.883	0.00	26.10
65.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.60	0.00	0.022	0.000	6.883	0.00	20.10
70.00	Safety Cable	Yes	5.00	0.000	0.38	1.51	0.00	0.022	0.000	6.990	0.00	26.36
70.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.61	0.00	0.022	0.000	6.990	0.00	20.31
75.00	Safety Cable	Yes	5.00	0.000	0.38	1.52	0.00	0.023	0.000	7.091	0.00	26.61
75.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.62	0.00	0.023	0.000	7.091	0.00	20.54
80.00	Safety Cable	Yes	5.00	0.000	0.38	1.53	0.00	0.023	0.000	7.187	0.00	26.84
80.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.63	0.00	0.023	0.000	7.187	0.00	20.75
85.00	Safety Cable	Yes	5.00	0.000	0.38	1.53	0.00	0.024	0.000	7.278	0.00	27.06
85.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.64	0.00	0.024	0.000	7.278	0.00	20.95
90.00	Safety Cable	Yes	5.00	0.000	0.38	1.54	0.00	0.025	0.000	7.365	0.00	
90.00	•	Yes	5.00	0.000	0.63	1.65	0.00	0.025	0.000	7.365	0.00	27.27
95.00		Yes	5.00	0.000	0.38	1.55	0.00	0.026	0.000	7.448	0.00	21.15
95.00	•	Yes	5.00	0.000	0.63	1.65	0.00	0.026	0.000	7.448	0.00	27.48
95.75		Yes	0.75	0.000	0.38	0.23	0.00	0.026	0.000	7.461	0.00	3.18
95.75	Step bolts (ladder)	Yes	0.75	0.000	0.63	0.25	0.00	0.026	0.000	7.461	0.00	4.13
100.00	Safety Cable	Yes	4.25	0.000	0.38	1.32	0.00	0.027	0.000	7.528	0.00	18.13
100.00	Step bolts (ladder)	Yes	4.25	0.000	0.63	1.41	0.00	0.027	0.000	7.528	0.00	23.52 2.14
100.50		Yes	0.50	0.000	0.38	0.16	0.00	0.027	0.000	7.536	0.00	۷. ۱۹

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Linear Appurtenance Segment Forces (Factored)

Site Class:

Structure: CT13614-A Code: TIA-222-H 7/7/2023

Site Name: Knowlton

Exposure: С

Height: 149.00 (ft) Crest Height: 0.00

Base Elev: 1.000 (ft) Gh: 1.1

Topography: 1

D - Stiff Soil Struct Class: ||

Page: 24

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

Dead Load Factor 1.20 Wind Load Factor 1.00



Iterations

21

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (Ib)
100.50	Step bolts (ladder)	Yes	0.50	0.000	0.63	0.17	0.00	0.027	0.000	7.536	0.00	2.77
105.00	Safety Cable	Yes	4.50	0.000	0.38	1.41	0.00	0.027	0.000	7.605	0.00	19.36
105.00	Step bolts (ladder)	Yes	4.50	0.000	0.63	1.50	0.00	0.027	0.000	7.605	0.00	25.07
110.00	Safety Cable	Yes	5.00	0.000	0.38	1.57	0.00	0.028	0.000	7.679	0.00	21.68
110.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.67	0.00	0.028	0.000	7.679	0.00	28.04
115.00	Safety Cable	Yes	5.00	0.000	0.38	1.58	0.00	0.029	0.000	7.751	0.00	21.85
115.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.68	0.00	0.029	0.000	7.751	0.00	28.21
120.00	Safety Cable	Yes	5.00	0.000	0.38	1.58	0.00	0.030	0.000	7.820	0.00	22.01
120.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.69	0.00	0.030	0.000	7.820	0.00	28.38
125.00	Safety Cable	Yes	5.00	0.000	0.38	1.59	0.00	0.031	0.000	7.887	0.00	22.17
125.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.69	0.00	0.031	0.000	7.887	0.00	28.54
126.00	Safety Cable	Yes	1.00	0.000	0.38	0.32	0.00	0.032	0.000	7.900	0.00	4.44
126.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.34	0.00	0.032	0.000	7.900	0.00	5.71
128.00	Safety Cable	Yes	2.00	0.000	0.38	0.64	0.00	0.032	0.000	7.926	0.00	8.90
128.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.68	0.00	0.032	0.000	7.926	0.00	11.45
130.00	Safety Cable	Yes	2.00	0.000	0.38	0.64	0.00	0.033	0.000	7.952	0.00	8.93
130.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.68	0.00	0.033	0.000	7.952	0.00	11.48
135.00	Safety Cable	Yes	5.00	0.000	0.38	1.60	0.00	0.033	0.000	8.015	0.00	22.46
135.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.70	0.00	0.033	0.000	8.015	0.00	28.85
136.00	Safety Cable	Yes	1.00	0.000	0.38	0.32	0.00	0.034	0.000	8.027	0.00	4.50
136.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.34	0.00	0.034	0.000	8.027	0.00	5.78
140.00	Safety Cable	Yes	4.00	0.000	0.38	1.28	0.00	0.035	0.000	8.076	0.00	18.08
140.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	1.37	0.00	0.035	0.000	8.076	0.00	23.20
145.00	Safety Cable	Yes	5.00	0.000	0.38	1.61	0.00	0.036	0.000	8.136	0.00	22.74
145.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.71	0.00	0.036	0.000	8.136	0.00	29.14
146.00	Safety Cable	Yes	1.00	0.000	0.38	0.32	0.00	0.037	0.000	8.147	0.00	4.55
146.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.34	0.00	0.037	0.000	8.147	0.00	5.83
149.00	Safety Cable	Yes	3.00	0.000	0.38	0.97	0.00	0.038	0.000	8.182	0.00	13.71
149.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	1.03	0.00	0.038	0.000	8.182	0.00	17.55
									Tot	als:	0.0	1,365.2

Calculated Forces

Structure: CT13614-A

Code:

Resultant

Moment

(ft-kips)

989 95

943.69

898.05

853.04

808.66

764.95

721.95

679.69

638.19

597.47

581.52

557.78

532.39

518.93

480.70

443.33

406.82

371.17

336.39

302.48

269.44

237.26

232.57

206.07

203.03

175.77

146.25

117.58

89.76

62.79

57.52

48.49

41.16

23.16

19.72

11.57

2.02

0.27

0.00

TIA-222-H

7/7/2023

Site Name:

Knowlton

Exposure:

Site Class:

phi

Рп

(kips)

5580.79

5509.80

5437.04

5362.51

5286.22

5208.16

5128.34

5046.75

4963.39

4878.27

4843.73

4791.38

4797.23

4766.44

4677.28

4586.36

4493.67

4393.03

4267.07

4141.11

4015.15

3889.19

3870.29

3763.23

3276.58

3189.50

3081.54

2973.57

2865.60

2757.64

2736.04

2692.86

2649.67

2541.71

2520.11

2433.74

2325.77

2304.18

2239.40

С

phi

Vn

(kips)

1462.72

1432.96

1403.21

1373.45

1343.70

1313.95

1284.19

1254.44

1224.68

1194.93

1183.03

1165.17

1167.16

1156.74

1126.99

1097.23

1067.48

1037.72

1007.97

978.21

948.46

918.71

914.24

888.95

776.38

753.43

727 92

702.42

676.91

651.41

646.31

636.11

625.91

600.40

595.30

574.90

549.40

544.29

528.99

...____

Height:

149.00 (ft) 1.000 (ft) Crest Height: 0.00

D - Stiff Soil

phi

Tn

(ft-kips)

7284.32

6990.98

6703.67

6422.39

6147.13

5877.91

5614.71

5357.54

5106.40

4861.29

4764.93

4622.20

4637.95

4555.55

4324.20

4098.88

3879 59

3666.33

3459.10

3257 89

3062.71

2873.56

2845.71

2690.44

2394.21

2254.74

2104.67

1959.78

1820.05

1685.48

1659.19

1607.23

1556.09

1431.86

1407.63

1312.80

1198.90

1176.75

1111.51

Base Elev: Gh:

Seg

Elev

(ft)

0.00

5.00

10.00

15.00

20.00

25.00

30.00

35.00

40.00

45.00

47.00

50.00

53.25

55.00

60.00

65.00

70.00

75.00

80.00

85.00

90.00

95.00

95.75

100.00

100.50

105.00

110.00

115.00

120.00

125.00

126.00

128.00

130.00

135.00

136.00

140.00

145.00

146.00

149.00

Pu

FY (-)

(kips)

-83.44

-80.99

-78.54

-76.12

-73.72

-71.37

-69.04

-66.76

-64.51

-62.31

-61.43

-59.30

-57.02

-56.26

-54.15

-52.08

-50.05

-48.06

-46.12

-44.22

-42.37

-40.56

-40.29

-38.01

-37.74

-36.31

-34.75

-33.23

-31.75

-30.32

-26.90

-21.32

-20.79

-19.51

-12.80

-11.88

-10.77

-0.58

0.00

1.1

Vu

FX (-)

(kips)

-9.25

-9.13

-9.00

-8.88

-8.74

-8.60

-8.45

-8.30

-8.14

-7.97

-7.91

-7.81

-7.69

-7.65

-7.47

-7.30

-7.13

-6.96

-6.78

-6.61

-6.44

-6.25

-6.24

-6.07

-6.06

-5.90

-5.73

-5.56

-5.39

-5.22

-4.52

-3.67

-3.60

-3.43

-2.04

-1.91

-1.75

-0.09

-0.08

Topography:

Mu

MX

(ft-kips)

0.00

0.00

0.00

0.00

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0.00

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0.00

Struct Class: ||

Page: 25

SBA

Iterations

21

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

Dead Load Factor 1.20 Wind Load Factor 1.00

Tu

MY (-)

(ft-kips)

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

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0.00

0.00

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0.00

0.00

0.00

0.00

Mu

ΜZ

(ft-kips)

-989.95

-943.69

-898.05

-853.04

-808.66

-764.95

-721.95

-679.69

-638.19

-597.47

-581.52

-557.78

-532.39

-518.93

-480.70

-443.33

-406.82

-371.17

-336.39

-302.48

-269.44

-237.26

-232.57

-206.07

-203.03

-175.77

-146.25

-117.58

-89.76

-62.79

-57.52

-48.49

-41.16

-23.16

-19.72

-11.57

-2.02

-0.27

0.00



Total

Deflect

(in)

0.00

0.02

0.08

0.17

0.31

0.48

0.70

0.96

1.25

1.59

1.74

1.97

2.24

2.39

2.86

3.36

3.90

4.48

5.11

5.77

6.46

7.20

7.31

7.97

8.05

8 77

9.61

10.49

11.39

12.31

12.50

12.88

13.26

14.22

14.41

15.19

16.16

16.36

16.94

-0.817

-0.846

-0.872

-0.893

-0.897

-0.904

-0.910

-0.921

-0.923

-0.928

-0.931

-0.931

-0.931

phi

Mn

(ft-kips)

6896.19

6668.96

6443.24

6219.15

5996.84

5776.42

5558.05

5341.85

5127.96

4916.50

4832.64

4707.63

4721.46

4648.93

4443.55

4241.06

4041.58

3839.84

3621.71

3409.96

3204.59

3005.60

2976.30

2812.98

2500.28

2361.16

2203.22

2050.74

1903.74

1762.20

1734.55

1679.90

1626 12

1495.52

1470.06

1370.38

1250.71

1227.43

1158.91

Rotation Rotation Stress Sway Twist (deg) Ratio (deg) 0.159 0.000 0.000 -0.036 0.000 0.156 0.154-0.073 0.000 0.151 0.000 -0.1100.149 0.000 -0.148-0.1860.000 0.146 0.143 -0.224 0.000 0.000 0.141 -0.263 0.000 0.137 -0.302-0.342 0.000 0.134 0.133 -0.358 0.000 0.131 0.000 -0.3820.000 0.125 -0.4090.000 0.123-0.4230.120 -0.461 0.000 0.116 -0.499 0.000 -0.536 0.000 0.112 0.108 -0.574 0.000 0.104 -0.611 0.0000.099 0.000 -0.6480.095 -0.6840.000 0.000 0.089 -0.7180.089 -0.724 0.000 -0.752 0.000 0.083 0.000 0.093 -0.756 0.086 -0.7850.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.078

0.069

0.058

0.047

0.043

0.037

0.033

0.023

0.019

0.013

0.006

0.000

Seismic Segment Forces (Factored)

Structure: CT13614-A Code:

Site Name: Knowlton

TIA-222-H

7/7/2023

Exposure:

Height:

149.00 (ft)

Crest Height: 0.00

Struct Class: II

Base Elev: 1.000 (ft) Gh:

1.1

Topography: 1

Site Class: D - Stiff Soil

Page: 26

Load Case: 1.2D + 1.0Ev + 1.0Eh **Gust Response Factor**

Sds 0.20 **Iterations** 19 0.18 Ss

Dead Load Factor

1.20 Seismic Load Factor

1.00 Sd1 0.09

\$1 0.06

Wind Load Factor

0.00 Structure Frequency (f1)

0.43

SA 0.04 Seismic Importance Factor

Top Elev (ft)	Description		Wz (lb)	Hz (lb)	Vertical Ev (lb)	Lateral Fs (lb)		R: 1	1 50
0.00			0.00	0.00	0.00	0.00			
5.00			1667.2	2.50	65.09	0.03			
10.00			1638.3	7.50	63.96	0.03			
15.00			1609.5	12.50	62.84	0.66			
20.00			1580.6	17.50	61.71	1.22			
25.00			1551.8	22.50	60.58	1.90			
30.00			1522.9	27.50	59.46	2.70			
35.00			1494.1	32.50	58.33	3.59			
40.00			1465.2	37.50	57.20	4.55			
45.00			1436.4	42.50	56.08	5.58			
47.00	Bot - Section 2		566.50	46.00	22.12	1.09			
50.00			1536.4	48.50	59.98	8.18			
53.25	Top - Section 1		1641.0	51.63	64.07	10.47	~		
55.00			486.52	54.13	18.99	1.11			
60.00			1370.5	57.50	53.51	9.11			
65.00			1341.7	62.50	52.38	10.27			
70.00			1312.8	67.50	51.26	11.42			
75.00			1284.0	72.50	50.13	12.55			
80.00			1255.2	77.50	49.00	13.66			
85.00			1226.3	82.50	47.88	14.73			
90.00			1197.5	87.50	46.75	15.76			
95.00			1168.6	92.50	45.62	16.73			
95.75	Bot - Section 3		172.81	95.38	6.75	0.45			
100.00			1617.8	97.88	63.16	34.85			
100.50	Top - Section 2		187.79	100.25	7.33	0.58			
105.00			904.62	102.75	35.32	12.51			
110.00			981.65	107.50	38.32	15.97			
115.00			956.92	112.50	37.36	16.60			
120.00			932.20	117.50	36.39	17.16			
125.00			907.47	122.50	35.43	17.65			
126.00	Appurtenance(s)		1320.1	125.50	51.54	38.02			
128.00	Appurtenance(s)		2268.5	127.00	88.57	110.16			
130.00			319.89	129.00	12.49	2.63			
135.00			782.42	132.50	30.55	15.44			
136.00	Appurtenance(s)		2480.1	135.50	96.82	148.10			
140.00			539.48	138.00	21.06	8.17			
145.00			652.09	142.50	25.46	12.51			
146.00	Appurtenance(s)		3920.0	145.50	153.04	409.54			
149.00			316.88	147.50	12.37	3.34			
		Totals:	47,614.9		1,858.9	1,009.2	Total Wind:	32,446.6	

Calculated Forces

TIA-222-H Code: Structure: CT13614-A

С Exposure: Site Name: Knowlton Crest Height: 0.00 149.00 (ft) Height:

Site Class: D - Stiff Soil Base Elev: 1.000 (ft)

Struct Class: || Topography: 1 Gh: 1.1

1.10

Load Case: 1.2D + 1.0Ev + 1.0Eh

Gust Response Factor

SBA

7/7/2023

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1.20 Seismic Load Factor **Dead Load Factor** 1.00 0.04 Seismic Importance Factor 0.00 Structure Frequency (f1) 0.43 SA Wind Load Factor

1.00

Sds

Sd1

0.20

	Wine	d Load	i Facto	r 0.0	O Struct	ure Frequenc	cy (II)	0.43	3A 0.0	T GEIS				
Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Twist (deg)	Stress Ratio
0.00	-57.54	-1.01	0.00	-132.11	0.00	132.11	5580.79	1462.72	7284.32	6896.19		0.00	0.00	0.029
5.00	-55.53	-1.02	0.00	-127.05	0.00	127.05	5509.80	1432.96	6990.98	6668.96		0.00	0.00	0.029
10.00	-53.55	-1.02	0.00	-121.97	0.00	121.97	5437.04	1403.21	6703.67	6443.24		0.01	-0.01	0.029
15.00	-51.61	-1.02	0.00	-116.88	0.00	116.88	5362.51	1373.45	6422.39	6219.15		0.02	-0.01	0.028
20.00	-49.71	-1.03	0.00	-111.76	0.00	111.76	5286.22	1343.70	6147.13	5996.84		0.04	-0.02	0.028
25.00	-47.83	-1.03	0.00	-106.63	0.00	106.63	5208.16	1313.95	5877.91	5776.42		0.07	-0.03	0.028
30.00	-46.00	-1.03	0.00	-101.49	0.00	101.49	5128.34	1284.19	5614.71	5558.05		0.10	-0.03	0.027
35.00	-44.20	-1.03	0.00	-96.35	0.00	96.35	5046.75	1254.44	5357.54	5341.85		0.13	-0.04	0.027
40.00	-42.44	-1.03	0.00	-91.21	0.00	91.21	4963.39	1224.68	5106.40	5127.96		0.17	-0.04	0.026
45.00	-40.71	-1.02	0.00	-86.08	0.00	86.08	4878.27	1194.93	4861.29	4916.50		0.22	-0.05	0.026
47.00	-40.03	-1.02		-84.03	0.00	84.03	4843.73	1183.03	4764.93	4832.64		0.24	-0.05	0.026
50.00	-38.16	-1.02		-80.96	0.00	80.96	4791.38	1165.17	4622.20	4707.63		0.27	-0.05	0.025
53.25	-36.16	-1.02		-77.66	0.00	77.66	4797.23	1167.16	4637.95	4721.46		0.31	-0.06	0.024
	-35.58	-1.00	0.00	-75.91	0.00	75.91	4766.44	1156.74	4555.55	4648.93		0.33	-0.06	0.024
55.00	-33.93	-1.00		-70.88	0.00	70.88	4677.28	1126.99	4324.20	4443.55		0.39	-0.06	0.023
60.00 65.00	-32.32	-0.99	0.00	-65.89	0.00	65.89	4586.36	1097.23	4098.88	4241.06		0.47	-0.07	0.023
70.00	-32.32	-0.98	-	-60.94	0.00	60.94	4493.67	1067.48	3879.59	4041.58		0.54	-0.08	0.022
	-30.75	-0.97		-56.05	0.00	56.05	4393.03	1037.72	3666.33	3839.84		0.63	-0.08	0.021
75.00	-29.21 -27.70	-0.95		-51.21	0.00	51.21	4267.07	1007.97	3459.10	3621.71		0.71	-0.09	0.021
80.00	-26.24	-0.93		-46.45	0.00	46.45	4141.11	978.21	3257.89	3409.96		0.81	-0.09	0.020
85.00		-0.94		-41.75	0.00	41.75	4015.15	948.46	3062.71	3204.59		0.91	-0.10	0.019
90.00	-24.81	-0.92		-37.13	0.00	37.13	3889.19	918.71	2873.56	3005.60		1.01	-0.10	0.018
95.00	-23.41	-0.91		-36.45	0.00	36.45	3870.29	914.24	2845.71	2976.30		1.03	-0.10	0.018
95.75	-23.21			-32.60	0.00	32.60	3763.23	888.95	2690.44	2812.98		1.13	-0.11	0.017
100.00	-21.25	-0.87		-32.17		32.17	3276.58	776.38	2394.21	2500.28		1.14	-0.11	0.019
100.50	-21.02	-0.87		-28.26	0.00	28.26	3189.50	753.43	2254.74	2361.16		1.24	-0.11	0.018
105.00	-19.94	-0.86		-28.20	0.00	23.99	3081.54	727.92		2203.22		1.37	-0.12	0.017
110.00	-18.78	-0.84		-23. 33 -19.79	0.00	19.79	2973.57	702.42		2050.74		1.49	-0.12	0.016
115.00	-17.65	-0.82		-15.69	0.00	15.69	2865.60	676.91	1820.05	1903.74		1.63	-0.13	0.014
120.00	-16.55	-0.80		-13.69		11.67	2757.64	651.41	1685.48	1762.20		1.76	-0.13	0.012
125.00	-15.47	-0.78				10.89	2736.04	646.31	1659.19	1734.55		1.79	-0.13	0.011
126.00	-13.85	-0.74		-10.89		9.40	2692.86	636,11	1607.23	1679.90		1.85	-0.13	0.010
128.00	-11.06	-0.63		-9.40		8.15	2649.67	625.91	1556.09	1626.12		1.90	-0.14	0.009
130.00	-10.68	-0.62		-8.15		5.04	2541.71	600.40	1431.86	1495.52		2.05	-0.14	0.007
135.00	-9.75	-0.60		-5.04		4.44	2520.11	595.30	1407.63	1470.06		2.08	-0.14	0.006
136.00	-6.68	-0.45		-4.44		4.44 2.64	2433.74	574.90	1312.80	1370.38		2.19	-0.14	0.004
140.00	-6.03	-0.44					2325.77	549.40	1198.90	1250.71		2.34	-0.14	0.003
145.00	-5.24	-0.43				0.44	2304.18	544.29	1176.75	1227.43		2.37	-0.14	0.000
146.00	-0.39	0.00		-0.01		0.01	2304.16	528.99	1111.51			2.46	-0.14	0.000
149.00	0.00	0.00	0.00	0.00	0.00	0.00	2239.40	520.88	1111.01	(100.01				

Seismic Segment Forces (Factored)

Structure: CT13614-A

Code: TIA-222-H

Site Name: Knowlton

Exposure:

C

7/7/2023

Height:

149.00 (ft)

Crest Height: 0.00

Gh:

Base Elev: 1.000 (ft)

Site Class:

D - Stiff Soil

SBA

1.1

Topography: 1

Struct Class: ||

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Load Case: 0.9D + 1.0Ev + 1.0Eh **Iterations** 19 **Gust Response Factor** 1.10 Sds 0.20 0.18 Ss **Dead Load Factor** 0.90 Seismic Load Factor 1.00 Sd1 0.09 **S1** 0.06 **Wind Load Factor** 0.00 Structure Frequency (f1) 0.43 SA 0.04 Seismic Importance Factor 1.00

Top					Vertical	Lateral		
Elev (ft)	Description		Wz	Hz	Ev	Fs		
(11)	Description		(lb)	(lb)	(lb)	(lb)		R: 1.50
0.00			0.00	0.00	0.00	0.00		
5.00			1601.3	2.50	62.52	0.03		
10.00			1572.4	7.50	61.39	0.24		
15.00			1543.6	12.50	60.26	0.63		
20.00			1514.7	17.50	59.14	1.16		
25.00			1485.9	22.50	58.01	1.81		
30.00			1457.0	27.50	56.88	2.57		
35.00			1428.2	32.50	55.76	3.41		
40.00			1399.3	37.50	54.63	4.32		
45.00			1370.5	42.50	53.51	5.28		
47.00	Bot - Section 2		540.14	46.00	21.09	1.03		
50.00			1496.9	48.50	58.44	8.06		
53.25	Top - Section 1		1598.2	51.63	62.39	10.31		
55.00			463.45	54.13	18.09	1.04		
60.00			1304.6	57.50	50.93	8.58		
65.00			1275.8	62.50	49.81	9.65		
70.00			1246.9	67.50	48.68	10.71		
75.00			1218.1	72.50	47.56	11.75		
80.00			1189.3	77.50	46.43	12.75		
85.00			1160.4	82.50	45.30	13.72		
90.00			1131.6	87.50	44.18	14.63		
95.00			1102.7	92.50	43.05	15.50		
95.75	Bot - Section 3		162.93	95.38	6.36	0.42		
100.00			1561.7	97.88	60.97	33.73		
100.50	Top - Section 2		181.20	100.25	7.07	0.56		
105.00			845.31	102.75	33.00	11.37		
110.00			915.75	107.50	35.75	14.47		
115.00			891.02	112.50	34.79	14.98		
120.00			866.30	117.50	33.82	15.43		
125.00			841.57	122.50	32.85	15.81		
126.00	Appurtenance(s)		1306.9	125.50	51.02	38.62		
128.00	Appurtenance(s)		2242.2	127.00	87.54	111.55		
130.00			301.09	129.00	11.75	2.42		
135.00			735.42	132.50	28.71	14.19		
136.00	Appurtenance(s)		2470.7	135.50	96.46	152.26		
140.00			518.05	138.00	20.22	7.82		
145.00			625.31	142.50	24.41	11.95		
146.00	Appurtenance(s)		3914.7	145.50	152.83	423.01		
149.00			315.70	147.50	12.32	3.43		
		Totals:	45,797.9		1,787.9	1,009.2	Total Wind:	32,446.6

Calculated Forces

CT13614-A Structure:

Code:

TIA-222-H

7/7/2023

Site Name:

Knowlton

Exposure:

C

0.00

Height:

149.00 (ft)

Crest Height:

Base Elev: Gh:

1.000 (ft)

1.1

Topography:

D - Stiff Soil Site Class: Struct Class:

Page: 29

2.20

2.34

2.37

2.46

-0.14

-0.14

-0.14

-0.14

0.002

0.000

0.000

SBA D

Load Case: 0.9D + 1.0Ev + 1.0Eh

0.43

Iterations

Gust Response Factor

1.10

Sds 0.20

1312.80

1198.90

1176.75

1111.51

574.90

549.40

544.29

528.99

1370.38

1250.71

1227.43

1158.91

Ss 0.18

19

Dead Load Factor

0.90 Seismic Load Factor

0.09 1.00 Sd₁

S₁ 0.06

Wind Load Factor

0.00 Structure Frequency (f1)

SA 0.04

1.00 Seismic Importance Factor

Rotation Rotation phi phi Total phi Mu Mμ Resultant phi ۷u Tu Pu Seg Twist Stress Vn Tn Mn Deflect Swav Pn MY (-) MZ ΜX Moment FY (-) FX (-) Elev (deg) Ratio (ft-kips) (ft-kips) (in) (deg) (kips) (kips) (ft-kips) (ft-kips) (ft-kips) (ft-kips) (ft) (kips) (kips) 0.027 1462.72 7284.32 6896.19 0.00 0.00 131.83 5580.79 0.00 -131.83 0.00 0.00 -43.55-1.010.027 0.00 0.00 5509.80 1432.96 6990.98 6668.96 126.78 -126.78 0.00 0.00 -42.03-1.015.00 -0.01 0.026 6443.24 0.01 5437.04 1403.21 6703.67 121.71 -121.71 0.00 0.00 -1.0210.00 -40.530.026 -0.01 0.02 6422.39 6219.15 5362.51 1373.45 0.00 -116.63 0.00 116.63 -1.02-39.0615.00 -0.02 0.026 0.041343.70 6147.13 5996.84 111.53 5286.22 -37.62 -1.02 0.00 -111.53 0.00 20.00 0.07 -0.030.025 106.43 5208.16 1313.95 5877.91 5776.42 -106.430.00 25.00 -36.20-1.020.00 -0.03 0.025 5558.05 0.09 5614.71 5128.34 1284.19 101.31 0.00 0.00 -101.31 30.00 -34.82 -1.020.025 5341.85 0.13-0.041254.44 5357.54 5046.75 96.20 -96.20 0.00 -1.020.00 35.00 -33.460.024 0.17 -0.041224.68 5106.40 5127.96 91.10 4963.39 0.00 -91.10 -1.020.00 40.00 -32.120.024 -0.050.22 1194.93 4861.29 4916.50 86.00 4878.27 -86.00 0.00 0.00 45.00 -30.81 -1.02 0.024 -0.054832.64 0.24 1183.03 4764.93 4843.73 -83.97 0.00 83.97 0.00-1.02-30.30 47.00 -0.05 0.023 4622.20 4707.63 0.27 4791.38 1165.17 80.93 -1.01 0.00 -80.93 0.00 -28.88 50.00 0.022 0.31 -0.064797.23 1167.16 4637.95 4721.46 77.65 -77.65 0.00 -27.37-1.000.00 53.25 0.022 0.33 -0.064648.93 1156.74 4555.55 75.91 4766.44 -75.91 0.00 -1.000.00 55.00 -26.930.39 -0.060.021 4324.20 4443 55 4677.28 1126.99 70.92 0.000.00 **-70.92** -25.68 -0.9960.00 0.021 -0.07 4098.88 4241.06 0.46 4586.36 1097.23 65.97 0.00 0.00 -65.97 65.00 -24.46 -0.980.020 0.54 -0.083879.59 4041.58 4493.67 1067.48 0.00 61.06 -61.06 70.00 -23.27-0.97 0.00 0.020 -0.080.62 1037.72 3666.33 3839.84 -56.20 0.00 56.20 4393.03 0.00 -22.11 -0.9675.00 0.019 -0.09 0.71 1007.97 3459.10 3621.71 4267.07 0.00 -51.40 0.00 51.40 -0.9580.00 -20.97 -0.09 0.018 4141.11 978.21 3257.89 3409.96 0.81 46.66 0.00 -0.93 0.00 -46.66 85.00 -19.860.018 -0.100.91948.46 3062.71 3204.59 41.99 4015.15 -41.99 0.00 -0.92 0.00 90.00 -18.781.01 -0.100.017 2873.56 3005.60 3889.19 918.71 37.39 -37.39 0.00 -0.90 0.00 -17.7295.00 -0.100.017 2976.30 1.03 3870.29 914.24 2845.71 36.71 -36.710.00-17.57 -0.900.00 95.75 0.016 -0.11 1.13 3763.23 888.95 2690.44 2812.98 32.87 0.00 -32.87 -16.08 -0.870.00 100.00 0.018 -0.112394.21 2500.28 1.14 776.38 0.00 32.43 3276.58 -32.43 -0.87 0.00 100.50 -15.91 0.017 1.24 -0.112254.74 2361.16 753.43 3189.50 -28.53 0.00 28.53 -15.10 -0.86 0.00 105.00 -0.12 0.016 727.92 2104.67 2203.22 1.37 3081.54 24.25 0.00 -24.25 0.00 -14.22-0.84110.00 -0.120.014 1959.78 2050.74 1.49 2973.57 702.42 20.04 -20.040.00 115.00 -13.36-0.830.00 -0.130.013 1820.05 1903.74 1.63 2865.60 676.91 15.91 0.00 0.00 -15.91 -0.81120.00 -12.530.011 1.76 -0.131685.48 1762.20 2757.64 651.41 11.87 0.00 -0.79 0.00 -11.87-11.72125.00 -0.130.010 1.79 1734.55 11.07 2736.04 646.31 1659.19 -10.49 -0.75 0.00 -11.07 0.00 126.00 -0.140.009 1.85 1607.23 2692.86 636.11 1679.90 9.57 0.00 -9.57 -8.38 -0.63 0.00 128.00 -0.14 0.008 1626.12 1.91 1556.09 0.00 8.30 2649.67 625.91 0.00 -8.30-8.09 -0.63130.00 0.006 1495.52 2.05 -0.14600.40 1431.86 2541.71 0.00 5.15 -0.62 0.00 -5.15135.00 -7.38 0.005 2.08 -0.14595.30 1407.63 1470.06 4.53 2520.11 0.00 -0.46 0.00-4.53136.00 -5.060.004

2433.74

2325.77

2304.18

2239.40

2.70

0.45

0.01

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

-0.45

-0.44

0.00

0.00

140.00

145.00

146.00

149.00

-4.57

-3.97

-0.30

0.00

-2.70

-0.45

-0.01

Wind Loading - Shaft

Structure: CT13614-A

Site Name: Knowlton Height: 149.00 (ft)

Base Elev: 1.000 (ft)

Gh: 1.1 Topography: 1

Code: TIA-222-H

Exposure: С Crest Height: 0.00

Site Class: D - Stiff Soil

Struct Class: ||

Page: 30

7/7/2023

Iterations 20

Tot

Load Case: 1.0D + 1.0W 60 mph Wind

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

Elev (ft)	Description	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)	Dead Load (lb)
0.00		1.00	0.85	6.501	7.15	279.63	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	6.501	7.15	273.99	0.730	0.000	5.00	25.322	18.49	132.2	0.0	1403.6
10.00		1.00	0.85	6.501	7.15	268.34	0.730	0.000	5.00	24.805	18.11	129.5	0.0	1374.8
15.00		1.00	0.86	6.581	7.24	264.31	0.730	0.000	5.00	24.289	17.73	128.4	0.0	1345.9
20.00		1.00	0.91	6.969	7.67	266.14	0.730	0.000	5.00	23.772	17.35	133.0	0.0	1317.1
25.00		1.00	0.95	7.289	8.02	266.21	0.730	0.000	5.00	23.256	16.98	136.1	0.0	1288.2
30.00		1.00	0.99	7.564	8.32	265.09	0.730	0.000	5.00	22.739	16.60	138.1	0.0	1259.4
35.00		1.00	1.02	7.806	8.59	263.11	0.730	0.000	5.00	22.222	16.22	139.3	0.0	1230.5
40.00		1.00	1.05	8.023	8.83	260.46	0.730	0.000	5.00	21.706	15.85	139.8	0.0	1201.7
45.00		1.00	1.07	8.220	9.04	257.29	0.730	0.000		21.189	15.47	139.9	0.0	1172.8
47.00 Bot	t - Section 2	1.00	1.08	8.294	9.12	255.89	0.730	0.000	2.00	8.331	6.08	55.5	0.0	461.1
50.00		1.00	1.10	8.400	9.24	253.68	0.730	0.000	3.00	12.564	9.17	84.7	0.0	1378,3
	o - Section 1	1.00	1.11	8.510	9.36	251.13	0.730	0.000	3.25	13.401	9.78	91.6	0.0	1469.7
55.00		1.00	1.12	8.567	9.42	254.35	0.730	0.000	1.75	7.125	5.20	49.0	0.0	394.3
60.00		1.00	1.14	8.723	9.60	250.11	0.730	0.000	5.00	20.010	14.61	140.2	0.0	1107.0
65.00		1,00	1.16	8.869	9.76	245.59	0.730	0.000	5.00	19.493	14.23	138.8	0.0	1078,1
70.00		1.00	1.18	9.006	9.91	240.84	0.730	0.000	5.00	18.977	13.85	137.2	0.0	1049.3
75.00		1.00	1.19	9.136	10.05	235.88	0.730	0.000	5.00	18.460	13.48	135.4	0.0	1020.4
80.00		1.00	1.21	9.259	10.19	230.73	0.730	0.000	5.00	17.943	13.10	133.4	0.0	991.6
85.00		1.00	1.23	9.377	10.31	225.40	0.730	0.000	5.00	17.427	12.72	131.2	0.0	962.8
90.00		1.00	1.24	9.489	10.44	219.93	0.730	0.000	5.00	16.910	12.34	128.9	0.0	933.9
95.00		1.00	1.25	9.597	10.56	214.31	0.730	0.000	5.00	16.394	11.97	126.3	0.0	905.1
	- Section 3	1.00	1.26	9.612	10.57	213.45	0.730	0.000	0.75	2.414	1.76	18.6	0.0	133.3
100.00		1.00	1.27	9.700	10.67	208.56	0.730	0.000	4.25	13.732	10.02	107.0	0.0	1393.7
	- Section 2	1.00	1.27	9.710	10.68	207.98	0.730	0.000	0.50	1.591	1.16	12.4	0.0	161.4
105.00		1.00	1.28	9.799	10.78	206.95	0.730	0.000	4.50	14.087	10.28	110.8	0.0	667.4
110.00		1.00	1.29	9.894	10.88	200.99	0.730	0.000	5.00	15.161	11.07	120.5	0.0	718.0
115.00		1.00	1.31	9.987	10.99	194.92	0.730	0.000	5.00	14.645	10.69	117.4	0.0	693.3
120.00		1.00	1.32	10.076	11.08	188.76	0.730	0.000	5.00	14.128	10.31	114.3	0.0	668.6
125.00		1.00	1.33	10.162	11.18	182.50	0.730	0.000	5.00	13.611	9.94	111.1	0.0	643.9
	ourtenance(s)	1.00	1.33	10.179	11.20	181.24	0.730	0.000	1.00	2.660	1.94	21.7	0.0	125.8
128.00 App	ourtenance(s)	1.00	1.34	10.212	11.23	178.71	0.730	0.000	2.00	5.259	3.84	43.1	0.0	248.6
130.00		1.00	1.34	10.246	11.27	176.16	0.730	0.000	2.00	5.176	3.78	42.6	0.0	244.7
135.00		1.00	1.35	10.327	11.36	169.74	0.730	0.000	5.00	12.578	9.18	104.3	0.0	594.4
	ourtenance(s)	1.00	1.35	10.343	11.38	168.45	0.730	0.000	1.00	2.454	1.79	20.4	0.0	115.9
140.00		1.00	1.36	10.405	11.45	163.24	0.730	0.000	4.00	9.608	7.01	80.3	0.0	453.8
145.00		1.00	1.37	10.482	11.53	156.67	0.730	0.000		11.545	8.43	97.2	0.0	545.0
146.00 App	ourtenance(s)	1.00	1.37	10.497	11.55	155.35	0.730	0.000	1.00	2.247	1.64	18.9	0.0	106.0
149.00		1.00	1.38	10.542	11.60	151.37	0.730	0.000	3.00	6.617	4.83	56.0	0.0	312.1
								Totals:	149.00	8		3,765.2	-	31,171.7

Discrete Appurtenance Forces

CT13614-A Structure: Site Name: Knowlton

TIA-222-H Code:

D - Stiff Soil

Exposure:

С Crest Height: 0.00 7/7/2023

Height:

Elev

149.00 (ft) Base Elev: 1.000 (ft)

Site Class:

SBA

Gh:

Topography: 1

qz

Struct Class: II

Page: 31

Iterations

20

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor

1.00

Wind Load Factor

1.00

							10			
n	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (Ib-ft)	Mom Z (lb-ft)
97	11.547	0.65	0.90	39.35	368.40	0.000	0.000	454.33	0.00	0.00
97	11.547	0.75	0.90	2.51	92.40	0.000	0.000	28.98	0.00	0.00
97	11.547	1.00	1.00	34.54	2289.00	0.000	0.000	398.83	0.00	0.00
97	11.547	0.66	0.90	12.46	249.00	0.000	0.000	143.84	0.00	0.00
07		0.71	0.90	0.32	5.40	0.000	0.000	3.69	0.00	0.00

No.	(ft)	Description	Qty	(psf)	(psf)	х Ка	Ka	(sf)	(ID)	(ft)	(ft)	(ID)	(10-11)	(ID-IL)
1	146.00		3	10.497	11.547	0.65	0.90	39.35	368.40	0.000	0.000	454.33	0.00	0.00
2		Ericsson KRY 112 489/4	6	10.497	11.547	0.75	0.90	2.51	92.40	0.000	0.000	28.98	0.00	0.00
3		Low Profile Platform w/	1	10.497	11.547	1.00	1.00	34.54	2289.00	0.000	0.000	398.83	0.00	0.00
_		Ericsson AIR6419 B41	3	10.497	11.547	0.66	0.90	12.46	249.00	0.000	0.000	143.84	0.00	0.00
4			3	10.497	11.547	0.71	0.90	0.32	5.40	0.000	0.000	3.69	0.00	0.00
5		Kathrein 782 10662	3	10.497	11.547	0.66	0.90	11.67	71.43	0.000	0.000	134.73	0.00	0.00
6		Commscope VV-65A-R1 Ericsson 4449 B71 + B85	3	10.497	11.547	0.81	0.90	4.74	225.00	0.000	0.000	54.71	0.00	0.00
7			3	10.497	11.547	0.77	0.90	4.91	312.00	0.000	0.000	56.71	0.00	0.00
8		Ericsson 4460 B25 + B66	3	10.497	11.547	0.90	0.90	5.18	180.00	0.000	0.000	59.86	0.00	0.00
9		Empty Pipe Mounts	1	10.343	11.377	1.00	1.00	43.29	1500.00	0.000	0.000	492.50	0.00	0.00
10		Low Profile Platform w/	1	10.343	11.377	0.63	0.80	0.58	14.50	0.000	0.000	6.61	0.00	0.00
11		DC2-48-60-18-8F	1	10.343	11.377	0.55	0.80	12.55	306.00	0.000	0.000	142.81	0.00	0.00
12		RRUS-11	6		11.377	0.59	0.80	0.82	33.00	0.000	0.000	9.29	0.00	0.00
13		LGP21903	6	10.343	11.377	0.63	0.80	12.13	178.50	0.000	0.000	138.05	0.00	0.00
14		AM-X-CD-17-65-00T-RET	3	10.343			0.80	20.36	210.00	0.000	0.000	231.69	0.00	0.00
15	136.00		6	10.343	11.377	0.62	0.80	3.33	84.60	0.000	0.000	37.84	0.00	0.00
16		LGP21401	6	10.343	11.377	0.53	1.00	35.03	1863.50	0.000	0.000	393.52	0.00	0.00
17		Low Profile Platform w/	1	10.212	11.234	1.00		13.63	51.00	0.000	0.000	153.07	0.00	0.00
18	128.00	BXA-70063/6CF 2°	3	10.212	11.234	0.60	0.80		253.20	0.000	0.000	41.93	0.00	0.00
19	126.00	B2/B66A	3	10.179	11.197	0.66	0.80	3.74		0.000	0.000	461.50	0.00	0.00
20	126.00	MX06FRO660-03	6	10.179	11.197	0.70	0.80	41.22	360.00		0.000	88.41	0.00	0.00
21	126.00	MT6407-77A	3	10.179	11.197	0.56	0.80	7.90	261.30	0.000		21.57	0.00	43.14
22	126.00	Kaelus BSF0020F3V1-1	2	10.212		1.00	1.00	1.92	35.20	0.000	2.000		0.00	0.00
23		B5/B13	3	10.179	11.197	0.66	0.80	3.74	210.90	0.000	0.000	41.93	0.00	0.00
24	126.00	Raycap	1_	10.179	11.197	0.66	0.80	1.67	21.00	0.000	0.000	18.66	0.00	0.00

Totals:

9,175.33

3,615.08

Total Applied Force Summary

Structure: CT13614-A

Site Name: Knowlton

149.00 (ft)

Base Elev: 1.000 (ft)

Gh:

Height:

Code:

TIA-222-H

Exposure:

Crest Height: 0.00

Site Class:

D - Stiff Soil

Struct Class: II

Page: 32

7/7/2023

Iterations

SBA

20

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor

1.00

Topography: 1

Wind Load Factor

Elev (ft)	Description	Laterai FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0:00		0.00	0.00	0.00	0.00
5.00		132.18	1623.28	0.00	0.00
10.00		129.49	1594.43	0.00	0.00
15.00		128.36	1565.59	0.00	0.00
20.00		133.03	1536.74	0.00	
25.00		136.12	1507.90	0.00	0.00
30.00		138.12	1479.05		0.00
35.00		139.30		0.00	0.00
40.00			1450.20	0.00	0.00
45.00		139.84	1421.36	0.00	0.00
		139.86	1392.51	0.00	0.00
47.00		55.48	548.93	0.00	0.00
50.00		84.75	1510.08	0.00	0.00
53.25		91.58	1612.49	0.00	0.00
55.00		49.02	471.14	0.00	0.00
60.00		140.16	1326.65	0.00	0.00
65.00		138.82	1297.80	0.00	0.00
70.00		137.24	1268.96	0.00	0.00
75.00		135.43	1240.11	0.00	0.00
80.00		133.41	1211.27	0.00	0.00
85.00		131.22	1182.42	0.00	0.00
90.00		128.85	1153.57	0.00	0.00
95.00		126.33	1124.73	0.00	0.00
95.75		18.64	166.22	0.00	0.00
100.00		106.96	1580.46	0.00	0.00
100.50		12.41	183.39	0.00	0.00
105.00		110.84	865.08	0.00	0.00
110.00		120.46	937.71	0.00	0.00
115.00		117.44	912.99	0.00	0.00
120.00		114.31	888.26	0.00	0.00
125.00		111.07	863.54	0.00	
126.00	(18) attachments	695.75	1311.34	0.00	0.00
128.00	(4) attachments	589.71	2251.01		43.14
130.00	(+) audominents	42.58		0.00	0.00
135.00			307.36	0.00	0.00
136.00	(20) attachments	104.30	751.09	0.00	0.00
140.00	(29) attachments	1079.18	2473.85	0.00	0.00
		80.28	525.19	0.00	0.00
145.00	(00) # 1 -	97.18	634.24	0.00	0.00
146.00	(28) attachments	1354.63	3916.51	0.00	0.00
149.00		56.01	316.09	0.00	0.00
	Totals:	7,380.30	46,403.55	0.00	43.14

Linear Appurtenance Segment Forces (Factored)

CT13614-A Structure:

Code:

TIA-222-H

7/7/2023

Height:

Site Name: Knowlton 149.00 (ft) Exposure:

Site Class:

С

Crest Height: 0.00

D - Stiff Soil

SBA

Base Elev: 1.000 (ft)

Gh:

Topography: 1

Struct Class: ||

Page: 33

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor

1.00

Wind Load Factor

1.00

Y	
4	X
Z	

Iterations

20

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	6.501	0.00	1.37
5.00 5.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.017	0.000	6.501	0.00	5.20
	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.017	0.000	6.501	0.00	1.37
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.017	0.000	6.501	0.00	5.20
10.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.017	0.000	6.581	0.00	1.37
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.017	0.000	6.581	0.00	5.20
15.00		Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	6.969	0.00	1.37
20.00	Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	6.969	0.00	5.20
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	7.289	0.00	1.37
25.00	Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	7.289	0.00	5.20
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	7.564	0.00	1.37
30.00	Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	7.564	0.00	5.20
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	7.806	0.00	1.37
35.00	Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	7.806	0.00	5.20
35.00	Step bolts (ladder)	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	8.023	0.00	1.37
40.00	Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	8.023	0.00	5.20
40.00	Step bolts (ladder)		5.00	0.000	0.38	0.16	0.00	0.020	0.000	8.220	0.00	1.37
45.00	Safety Cable	Yes	5.00	0.000	0.63	0.26	0.00	0.020	0.000	8.220	0.00	5.20
45.00	Step bolts (ladder)	Yes	2.00	0.000	0.38	0.06	0.00	0.020	0.000	8.294	0.00	0.55
47.00	Safety Cable	Yes	2.00	0.000	0.63	0.10	0.00	0.020	0.000	8.294	0.00	2.08
47.00	Step bolts (ladder)	Yes	3.00	0.000	0.38	0.10	0.00	0.020	0.000	8.400	0.00	0.82
50.00	Safety Cable	Yes	3.00	0.000	0.63	0.16	0.00	0.020	0.000	8.400	0.00	3.12
50.00	Step bolts (ladder)	Yes	3.00	0.000	0.38	0.10	0.00	0.021	0.000	8.510	0.00	0.89
53.25	Safety Cable	Yes	3.25 3.25	0.000	0.63	0.17	0.00	0.021	0.000	8.510	0.00	3.38
53.25	Step bolts (ladder)	Yes		0.000	0.38	0.06	0.00	0.021	0.000	8.567	0.00	0.48
55.00	Safety Cable	Yes	1.75	0.000	0.63	0.09	0.00	0.021	0.000	8.567	0.00	1.82
55.00	Step bolts (ladder)	Yes	1.75	0.000	0.03	0.03	0.00	0.021	0.000	8.723	0.00	1.37
60.00	Safety Cable	Yes	5.00		0.63	0.26	0.00	0.021	0.000	8.723	0.00	5.20
60.00	Step bolts (ladder)	Yes	5.00	0.000	0.03	0.16	0.00	0.022	0.000	8.869	0.00	1.37
65.00	Safety Cable	Yes	5.00	0.000	0.63	0.16	0.00	0.022	0.000	8.869	0.00	5.20
65.00	Step bolts (ladder)	Yes	5.00	0.000	0.03	0.16	0.00	0.022	0.000	9.006	0.00	1.37
70.00	Safety Cable	Yes	5.00	0.000	0.58	0.10	0.00	0.022	0.000	9.006	0.00	5.20
70.00	Step bolts (ladder)	Yes	5.00	0.000		0.20	0.00	0.023	0.000	9.136	0.00	1.37
75.00	Safety Cable	Yes	5.00	0.000	0.38 0.63	0.10	0.00	0.023	0.000	9.136	0.00	5.20
75.00	Step bolts (ladder)	Yes	5.00	0.000		0.20	0.00	0.023	0.000	9.259	0.00	1.37
80.00	•	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	9.259	0.00	5.20
80.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	9.377	0.00	1.37
85.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.024	0.000	9.377	0.00	5.20
85.00	Step bolts (ladder)	Yes	5.00	0.000	0.63		0.00	0.025	0.000	9.489	0.00	1.37
90.00		Yes	5.00	0.000	0.38	0.16	0.00	0.025	0.000	9.489	0.00	5.20
	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.025	0.000	9.597	0.00	1.37
95.00	Safety Cable	Yes	5.00	0.000	0.38	0.16			0.000	9.597	0.00	5.20
	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.026	0.000	9.612	0.00	0.20
	Safety Cable	Yes	0.75	0.000	0.38	0.02	0.00	0.026	0.000	9.612	0.00	0.78
95.75	Step bolts (ladder)	Yes	0.75	0.000	0.63	0.04	0.00	0.026	0.000	9.700	0.00	1.16
100.00	Safety Cable	Yes	4.25	0.000	0.38	0.13	0.00	0.027		9.700	0.00	4.42
	Step bolts (ladder)	Yes	4.25	0.000	0.63	0.22	0.00	0.027	0.000 0.000	9.700	0.00	0.14
100.50	Safety Cable	Yes	0.50	0.000	0.38	0.02	0.00	0.027	0.000	9.7 10	0.00	5.11

Linear Appurtenance Segment Forces (Factored)

Structure: CT13614-A

C113614-A

Site Name: Knowlton

Topography: 1

Height: 149.00 (ft)

Base Elev: 1.000 (ft)

Gh: 1.1

Code:

TIA-222-H

Exposure: C

Crest Height: 0.00

Site Class:

D - Stiff Soil

Struct Class: ||

SBA 🕖

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7/7/2023

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00 Wind Load Factor 1.00



Iterations 20

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)
100.50	Step bolts (ladder)	Yes	0.50	0.000	0.63	0.03	0.00	0.027	0.000	9.710	0.00	0.52
105.00	Safety Cable	Yes	4.50	0.000	0.38	0.14	0.00	0.027	0.000	9.799	0.00	1.23
105.00	Step bolts (ladder)	Yes	4.50	0.000	0.63	0.14	0.00	0.027	0.000	9.799	0.00	4.68
110.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.028	0.000	9.894	0.00	1.37
110.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.028	0.000	9.894	0.00	5.20
115.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.029	0.000	9.987	0.00	1.37
115.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.029	0.000	9.987	0.00	5.20
120.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.030	0.000	10.076	0.00	1.37
120.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.030	0.000	10.076	0.00	5.20
125.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.031	0.000	10.162	0.00	1.37
125.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.031	0.000	10.162	0.00	5.20
126.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.032	0.000	10.179	0.00	0.27
126.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.032	0.000	10.179	0.00	1.04
128.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.032	0.000	10.173	0.00	0.55
128.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.032	0.000	10.212	0.00	2.08
130.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.033	0.000	10.246	0.00	0.55
130.00	Step bolts (ladder)	Yes	2.00 -	0.000	0.63	0.10	0.00	0.033	0.000	10.246	0.00	2.08
135.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.033	0.000	10.327	0.00	1.37
135.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.033	0.000	10.327	0.00	5.20
136.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.034	0.000	10.343	0.00	0.27
136.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.034	0.000	10.343	0.00	1.04
140.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.035	0.000	10.405	0.00	1.09
140.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.035	0.000	10.405	0.00	4.16
145.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.036	0.000	10.482	0.00	1.37
145.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.036	0.000	10.482	0.00	5.20
146.00	Safety Cable	Yes	1.00	0.000	0,38	0.03	0.00	0.037	0.000	10.497	0.00	0.27
146.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.037	0.000	10.497	0.00	1.04
149.00	Safety Cable	Yes	3.00	0.000	0.38	0.10	0.00	0.038	0.000	10.542	0.00	0.82
149.00	Step bolts (ladder)	Yes	3.00	0.000	0.63	0.16	0.00	0.038	0.000	10.542	0.00	3.12
										tals:	0.0	195.6
		840							10	iais.	0.0	195.0

Calculated Forces

Structure:

CT13614-A

Site Name: Knowlton

Height:

Gh:

Base Elev: 1.000 (ft)

1.1

149.00 (ft)

Topography: 1

TIA-222-H Code:

Exposure:

С

Crest Height: 0.00

Site Class:

D - Stiff Soil

Struct Class: ||

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7/7/2023

Iterations

SBA

20

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor

1.00

Wind Load Factor

Y	
4	X
Z	

Seg Elev	Pu FY (-)	Vu FX (-)	Tu MY (-)	Mu MZ (ft-kips)	Mu MX (ft-kins)	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
(ft)	(kips) -46.40	(kips) -7,39	0.00	-789.04	0.00	789.04	5580.79	1462.72	7284.32	6896.19	0.00	0.000	0.000	0.123
0.00	-46.40 -44.77	-7.28	0.00	-752.09	0.00	752.09	5509.80	1432.96	6990.98	6668.96	0.02	-0.029	0.000	0.121
5.00	-44.77 -43.18	-7.20 -7.17	0.00	-715.69	0.00	715.69	5437.04	1403.21	6703.67	6443.24	0.06	-0.058	0.000	0.119
10.00	-43.16 -41.61	-7.06		-679.82	0.00	679.82	5362.51	1373.45	6422.39	6219.15	0.14	-0.088	0.000	0.117
15.00	-41.61 -40.07	-6.95		-644.50	0.00	644.50	5286.22	1343.70	6147.13	5996.84	0.25	-0.118	0.000	0.115
20.00	-38.56	-6.83		-609.76	0.00	609.76	5208.16	1313.95	5877.91	5776.42	0.39	-0.148	0.000	0.113
25.00 30.00	-36.50 -37.07	-6.71	0.00	-575.61	0.00	575.61	5128.34	1284.19	5614.71	5558.05	0.56	-0.179	0.000	0.111
	-37.67	-6.58		-542.07	0.00	542.07	5046.75	1254.44	5357.54	5341.85	0.76	-0.210	0.000	0.109
35.00	-34.20	-6.46		-509.16	0.00	509.16	4963.39	1224.68	5106.40	5127.96	1.00	-0.241	0.000	0.106
40.00	-34.20	-6.32		-476.88	0.00	476.88	4878.27	1194.93	4861.29	4916.50	1.27	-0.272	0.000	0.104
45.00	-32.25	-6.27		-464.23	0.00	464.23	4843.73	1183.03	4764.93	4832.64	1.39	-0.285	0.000	0.103
47.00	-32.23	-6.19		-445.41	0.00	445.41	4791.38	1165.17	4622.20	4707.63	1.57	-0.305	0.000	0.101
50.00	-30.74	-6.10		-425.29	0.00	425.29	4797.23	1167.16	4637.95	4721.46	1.79	-0.326	0.000	0.096
53.25	-29.13	-6.06		-414.61	0.00	414.61	4766.44	1156.74	4555.55	4648.93	1.91	-0.337	0.000	0.095
55.00	-27.32	-5.92		-384.32	0.00	384.32	4677.28	1126.99	4324.20	4443.55	2.28	-0.368	0.000	0.092
60.00	-27.32	-5.79		-354.70	0.00	354.70	4586.36	1097.23	4098.88	4241.06	2.68	-0.398	0.000	0.089
65.00	-24.75	-5.66		-325.74	0.00	325.74	4493.67	1067.48	3879.59	4041.58	3.11	-0.428	0.000	0.086
70.00	-23.51	-5.52		-297.46	0.00	297.46	4393.03	1037.72	3666.33	3839.84	3.58	-0.458	0.000	0.083
75.00	-23.31	-5.39		-269.83	0.00	269.83	4267.07	1007.97	3459.10	3621.71	4.07	-0.488	0.000	0.080
80.00		-5.26		-242.87	0.00	242.87	4141.11	978.21	3257.89	3409.96	4.60	-0.517	0.000	0.076
85.00	-21.11 -19.96	-5.20 -5.13		-216.56	0.00	216.56	4015.15	948.46	3062.71	3204.59	5.16	-0.546	0.000	0.073
90.00	-18.83	-5.00		-190.90	0.00	190.90	3889.19	918.71	2873.56	3005.60	5.74	-0.574	0.000	0.068
95.00		-4.98		-187.15		187.15	3870.29	914.24	2845.71	2976.30	5.83	-0.578	0.000	0.068
95.75	-18.67	-4.87		-165.96		165.96	3763.23	888.95	2690.44	2812.98	6.36	-0.601	0.000	0.064
100.00	-17.09 -16.90	-4.85		-163.53		163.53	3276.58	776.38	2394.21	2500.28	6.42		0.000	0.071
100.50		-4.74		-141.68		141.68	3189.50	753.43	2254.74	2361.16	7.00	-0.627	0.000	0.065
105.00	-16.04 -15.10	-4.62		-117.97		117.97	3081.54	727.92	2104.67	2203.22	7.68	-0.654	0.000	0.058
110.00		-4.49		-94.89		94.89	2973.57	702.42	1959.78	2050.74	8.37	-0.677	0.000	0.051
115.00	-14.19 -13.30	-4.48 -4.37		-72.41	0.00	72.41	2865.60	676.91	1820.05	1903.74	9.09	-0.698	0.000	0.043
120.00		-4.37 -4.25		-50.54		50.54	2757.64	651.41	1685.48	1762.20	9.83	-0.715	0.000	0.033
125.00	-12.43	-3.54		-46.24		46.24	2736.04	646.31	1659.19	1734.55	9.99	-0.718	0.000	0.031
126.00	-11.13	-3.54		-39.16		39.16	2692.86	636.11	1607.23	1679.90	10.29	-0.724	0.000	0.027
128.00	-8.89					33.30	2649.67	625.91	1556.09	1626.12	10.59	-0.729	0.000	0.024
130.00	-8.58	-2.88		-18.90		18.90	2541.71	600.40	1431.86	1495.52	11.36	-0.738	0.000	0.016
135.00	-7.83	-2.77				16.13	2520.11	595.30	1407.63	1470.06	11.51	-0.739	0.000	0.013
136.00	-5.37	-1.66				9.50	2433.74	574.90	1312.80	1370.38	12.14	-0.743	0.000	0.009
140.00	-4.85	-1.57				1.65	2325.77	549.40	1198.90	1250.71	12.92	-0.746	0.000	0.003
145.00	-4.21	-1.47				0.18	2304.18	544.29	1176.75	1227.43	13.07	-0.746	0.000	0.000
146.00	-0.32	-0.06				0.00	2239.40	528.99	1111.51	1158.91	13.54	-0.746	0.000	0.000
149.00	0.00	-0.06	0.00	0.00	0.00	0.00	2200.10							

Final Analysis Summary

Structure: CT13614-A

Code:

Site Name: Knowlton

Exposure:

TIA-222-H

Height:

149.00 (ft)

Crest Height: 0.00

7/7/2023

Base Elev: 1.000 (ft)

Site Class:

D - Stiff Soil

SBA

Gh:

1.1

Topography: 1

Struct Class: II

Page: 36

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 119 mph Wind	32.5	0.00	55.65	0.00	0.00	3486.61
0.9D + 1.0W 119 mph Wind	32.5	0.00	41.73	0.00	0.00	3458.50
1.2D + 1.0Di + 1.0Wi 50 mph Wind	9.3	0.00	83.44	0.00	0.00	989.95
1.2D + 1.0Ev + 1.0Eh	1.0	0.00	57.54	0.00	0.00	132.11
0.9D + 1.0Ev + 1.0Eh	1.0	0.00	43.55	0.00	0.00	131.83
1.0D + 1.0W 60 mph Wind	7.4	0.00	46.40	0.00	0.00	789.04

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 Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Elev (ft)	Stress Ratio
1.2D + 1.0W 119 mph Wind	-55.65	-32.51	0.00	-3486.6	0.00	-3486.6	5580.79	1462.7	7284.32	6896.19	0.00	0.516
0.9D + 1.0W 119 mph Wind	-41.73	-32.49	0.00	-3458.5	0.00	-3458.5	5580.79	1462.7		6896 19	0.00	0.509
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-83.44	-9.25	0.00	-989.95	0.00	-989.95	5580.79	1462.7	7284.32	6896.19	0.00	0.159
1.2D + 1.0Ev + 1.0Eh	-57.54	-1.01	0.00	-132.11	0.00	-132.11	5580.79	1462.7		6896.19	0.00	0.029
0.9D + 1.0Ev + 1.0Eh	-43.55	-1.01	0.00	-131.83	0.00		5580.79	1462.7		6896.19	0.00	0.029
1.0D + 1.0W 60 mph Wind	-46.40	-7.39	0.00	-789.04	0.00		5580.79	1462.7		6896.19	0.00	0.027

Base Plate Summary

Structure:

CT13614-A

Code:

TIA-222-H

7/7/2023

Site Name: Knowlton Height:

Gh:

Exposure:

C

Crest Height: 0.00

149.00 (ft)

D - Stiff Soil Site Class:

SBA

Base Elev: 1.000 (ft)

1.1

Topography: 1

Struct Class: ||

Reactions		Base Pla	ate	Anchor E	Bolts
Original Desig	n	Yield (ksi):	60.00	Bolt Circle:	68.00
oment (kip-ft):	3739.40	Width (in):	68.00	Number Bolts:	20.00
Axial (kip):	55.50	Style:	Clipped	Bolt Type:	2.25" 18J
Shear (kip):	28.20	Polygon Sides:	4.00	Bolt Diameter (in):	2.25
		Clip Length (in):	15.00	Yield (ksi):	75.00
Analysis (1.2D + 1		Effective Lon (in):	9.47	Ultimate (ksi):	100.00
oment (kip-ft):	3486.61	Effective Len (in): Moment (kip-in):	474.41	Arrangement:	Clustered
Axial (kip):	55.65	, , ,	81.00	Cluster Dist (in):	6.00
Shear (kip):	32.51	Allow Stress (ksi):	33.21	Start Angle (deg):	45.00
		Applied Stress (ksi):	0.41	Compres	sion
	14	Stress Ratio:	0.41	Force (kip):	125.84
				Allowable (kip):	268.39
				Ratio:	0.47
				Tensio	n
				Force (kip):	120.27
				Allowable (kip):	243.75
				Ratio:	0.49



Mono	nole Mat Foundation	Design	Date
Monopole Mat Foundation Design			7/5/2023
Customer Name:	Verizon	TIA Standard:	TIA-222-H
Site Name:		Structure Height (Ft.):	150
Site Number:	CT13614-A	Engineer Name:	SBA Engineer
Engr. Number:	7 Hotel Refrance	Engineer Login ID:	

Foundation Info Obtained from:		Drawings/Calculations			
Structure Type:		Monopole			
Analysis or Design?		Analysis			1.00
Base Reactions (Factored):					****
Axial Load (Kips):	55.7	Shear Force (Kips):	32.5		
Uplift Force (Kips):	0.0	Moment (Kips-ft):	3486.6	7 =	99.0
- F	0.0	moment (Rips-re).	3460.0	•	
Foundation Geometries:					
·		Mods required -Yes/No ?:	No		<u> </u>
Diameter of Pier (ft.):	8.0	Depth of Base BG (ft.):	5.5		47 # 10
Pier Height A. G. (ft.):	1.00	Thickness of Pad (ft):	2.00		2.00
Length of Pad (ft.):	27.5	Width of Pad (ft.):	27.5		
	27.13	Width of Fad (12.).	27.3		27.5
Final Length of pad (ft)	27.5	Final width of pad (ft):	27.5		0.01
• , , ,		man or pad (it).	27.3		0.0
Material Properties and Reabr Info	<u>):</u>				8.0
Concrete Strength (psi):	4000	Steel Elastic Modulus:	29000	ksi	
Vertical bar yield (ksi)	60	Tie steel yield (ksi):	60		27.5
Vertical Rebar Size #:	9	Tie / Stirrup Size #:	4		27.5 W
Qty. of Vertical Rebars:	38	Tie Spacing (in):	12.0		
Pad Rebar Yield (Ksi):	60	Pad Steel Rebar Size (#):	10		38 # 9
Concrete Cover (in.):	3	Unit Weight of Concrete:	150.0	pcf	
Rebar at the bottom of the concrete	e pad:	• • • • • • • • • • • • • • • • • • • •		ро.	0.00
Qty. of Rebar in Pad (L):	47	Qty. of Rebar in Pad (W):	47		0.0
Rebar at the top of the concrete page		(1)			27.5 L
Qty. of Rebar in Pad (L):	47	Qty. of Rebar in Pad (W):	47		× 27.5
Soil Design Parameters:					
Soil Unit Weight (pcf):	120.0	Soil Buoyant Weight:	57.6	Pcf	f
Water Table B.G.S. (ft):	99.0	Unit Weight of Water:	62.4	pcf	
Ultimate Bearing Pressure (psf):	16000	Ultimate Skin Friction:	0	Psf	
Consider Friction for O.T.M. (Y/N):	No	Consider Friction for bearing	ng (Y/N):	No	_
Consider soil hor. resist. for OTM.:	No	Reduction factor on the ma	aximum s	oil bear	aring pressure: 1.00
Foundation Analysis and Design	H-life ce-				*
Foundation Analysis and Design: Total Dry Soil Volume (cu. Ft.):	Uplift Str	ength Reduction Factor:	0.75		npression Strength Reduction Factor: 0.75
Total Buoyant Soil Volume (cu. Ft.):	C+ 1.				ol Dry Soil Weight (Kips): 296.51
Total Effective Soil Weight (Kips)			0.00		Il Buoyant Soil Weight (Kips): 0.00
Total Dry Concrete Volume (cu.	•		296.51	_	ght from the Concrete Block at Top (K): 0.00
Total Buoyant Concrete Volume					Il Dry Concrete Weight (Kips): 260.80
Total Effective Concrete Weight			0.00 260 80		al Buoyant Concrete Weight (Kips): 0.00 Il Vertical Load on Base (Kips): 612.97
8 8 9	,e-r.		200.00	iotal	ll Vertical Load on Base (Kips): 612.97
Check Soil Capacities:					Capacity Ratio
Calculated Maxium Net Soil Pressure	under the	e base (psf):	1900	<	
Allowable Foundation Overturning R	Resistance	(kips-ft.):	7662.0	>	
Factor of Safety Against Overturning	(O. R. Mo	ment/Design Moment):	2.07	OK!	

7/5/2023

Check the capacities of Reinforceing Concrete: Strength reduction factor (Flexure and axial tension):	0.90		gth reduction factor (Shear):	0.75		
Strength reduction factor (Axial compresion):	0.65	Wind	Load Factor on Concrete Design:	1.00	Load/ Capacity Ratio	
(1) Concrete Pier:	1.00		Tie / Stirrup Area (sq. in./each):	0.20		
Vertical Steel Rebar Area (sq. in./each):	7455.7	>	Design Factored Moment (Mu, Kips-Ft	3632.9	0.49	OK!
Calculated Moment Capacity (Mn,Kips-Ft):	840.3		Design Factored Shear (Kips):	32.5	0.04	OK!
Calculated Shear Capacity (Kips):	2052.0	>	Design Factored Tension (Tu Kips):	0.0	0.00	OK!
Calculated Tension Capacity (Tn, Kips):	12730.0	>	Design Factored Axial Load (Pu Kips):	55.7	0.00	OK!
Calculated Compression Capacity (Pn, Kips):		OK!		33.7	1	OK!
Moment & Axial Strength Combination:	0.49	UK!	Reinforcement Ratio is satisfied per A	CI.	-	
Pier Reinforcement Ratio:	0.005		Kemiorcement Rado is satisfied per A	. ,		
(2).Concrete Pad:	527.0		One May Festered Shear (LD. Kins):	236.8	0.37	OK!
One-Way Design Shear Capacity (L-Direction, Kips):	637.9	>	One-Way Factored Shear (L-D. Kips): One-Way Factored Shear (W-D., Kips):	236.8	0.37	OK!
One-Way Design Shear Capacity (W-Direction, Kips):	637.9	>		228.1	0.36	OK!
One-Way Design Shear Capacity (Corner-Corner. Kips):	637.8	>	One-Way Factored Shear (C-C, Kips): Lower Steel Pad Reinf. Ratio (W-Direc	0.0089	0.50	J
Lower Steel Pad Reinforcement Ratio (L-Direct.):	0.0089	OK!	Moment at Bottom (L-Dir. K-Ft):	1283.2	0.25	OK!
Lower Steel Pad Moment Capacity (L-Direction. Kips-ft):	5044.1	>	· ·	1283.2	0.25	OK!
Lower Steel Pad Moment Capacity (W-Direction. Kips-ft):	5044.1	>	Moment at Bottom (W-Dir. K-Ft):	1814.7	0.26	OK!
Lower Steel Pad Moment Capacity (Corner-Corner,K-ft):	6976.5	>	Moment at Bottom (C-C Dir. K-Ft):	0.0089	0.20	
Upper Steel Pad Reinforcement Ratio (L-Direct.):	0.0089	OK!	Upper Steel Reinf. Ratio (W-Dir.):	545.0	0.11	OK!
Upper Steel Pad Moment Capacity (L-Direc. Kips-ft):	5044.1	>	Moment at the top (L-Dir K-Ft):	545.0	0.11	OK!
Upper Steel Pad Moment Capacity (W-Direc. Kips-ft):	5044.1	>	Moment at the top (W-Dir K-Ft):	512.2	0.07	OK!
Upper Steel Pad Moment Capacity (Corner-Corner. K-ft):	6976. 5	>	Moment at the top (C-C Dir. K-Ft):	312.2	0.07	OK
(3). Check Punching Shear Capacity due to Moment in the Pier:					0.6	Psi
Moment transferred by punching shear:	1394.6	k-ft.	Max. factored shear stress v _{u_CD} :		189.7	Psi
Max. factored shear stress v _{u_AB} :	13.3	Psi	Factored shear Strength ϕv_n :		0.07	OK!
$Max.$ factored shear stress v_u :	13.3	Psi	Check Usage of Punching Shear Cap	расіту:	0.07	OK!
(4).Check Bending Capacity of the Pad Within the Effective Slab Width:						
Overturning moment to be transferred by flexure:	1046.0	k-ft.	Effective Width for resisting OT momen		14.0	ft.
Calculated number of Rebar in Effective width:	24		Actual number of Rebar in Effective wie		24	014
Steel Pad Moment Capacity (L-Direc. Kips-ft):	2575.1	k-ft.	Check Usage of the Flexure Capacit	y:	0.41	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 #: 10206261 Colliers Engineering & Design CT, P.C. Project #: 22777026 (Rev. 1)

July 10, 2023

Site Information

Site ID:

5000247929-VZW / ASHFORD WEST 2 CT

Site Name:

ASHFORD WEST 2 CT

Carrier Name:

Verizon Wireless 90 Knowlton Hill Road

Address:

Ashford, Connecticut 06278

Windham County

Latitude:

41.840778°

Longitude:

-72.207528°

Structure Information

Tower Type: Mount Type: 150-Ft Monopole 12.50-Ft Platform

FUZE ID # 17123746

Analysis Results

Platform: 31.9% 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

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: 674832, dated May 26, 2021
Passing PMI Report	Colliers Engineering & Design, Project #: 20777637A dated December 5, 2023
PMI Photos	Photos dated November 23, 2022
Filter Add	Guidance provided by Verizon

Analysis Criteria:

Codoo ond	Standards
Codes and	Sianoaros

ANSI/TIA-222-H

Connecticut State Building Code, Effective

October 1, 2022

Wind	Parameters:	
VVIIICI	rafameters:	

Basic Wind Speed (Ultimate 3-sec. Gust), V _{ULT} :	119 mph
Ice Wind Speed (3-sec. Gust):	50 mph
Design Ice Thickness:	1.50 in
Risk Category:	H
Exposure Category:	С
Topographic Category:	1
Topographic Feature Considered:	N/A
Topographic Method:	N/A
Ground Elevation Factor, K _e :	0.976
S _S :	0.183 q
S ₁ :	0.055 g
Wind Speed (3-sec. Gust):	30 mph
Maintenance Load, Lv:	250 lbs.
Maintenance Load, Lm:	500 lbs.

Analysis Software:

Seismic Parameters:

Maintenance Parameters:

RISA-3D (V17)

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
125.20		2	Kaelus	BSF0020F3V1-1	Added
		6	JMA Wireless	MX06FRO660-03	
		20 127.00	3	Samsung	MT6407-77A
	125 20		3	Samsung	B2/B66A RRH-BR049
	22,,,,,	3	Samsung	B5/B13 RRH-BR04C	Netaillet
		1	Raycap	RVZDC-6627-PF-48	
		3	Amphenol Antel	BXA-70063-6CF-4	

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

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

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

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

Pipe 0

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
Face Horizontal	11.0 %	Pass
Standoff Horizontal	13.9 %	Pass
Platform Crossmember	16.4 %	Pass
Mount Pipe	31.0 %	Pass
Corner Plate	31.9 %	Pass
Grating Support	19.2 %	Pass
Cross Arm Plate	30.9 %	Pass
MOD_Dual Mount Pipe	27.5 %	Pass
MOD_Support Rail	16.2 %	Pass
MOD_Corner Plate	22.6 %	Pass
MOD_Kicker	7.8 %	Pass
Mount Connection	8.8 %	Pass

Structure Rating – (Controlling Utilization of all Components)	31.9%

BASELINE mount weight per SBA agreement: 2322.01 lbs

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

The weights listed above include 3 sector(s).

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

	Mount Pipe	s Excluded	Mount Pipes Included					
Ice Thickness (In)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)				
0	32.7	32.7	46.2	46.2				
0.5 42.7		42.7	61.6	61.6				
1	50.8	50.8	75.1	75.1				

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

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.

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 #: 5000247929

SMART Project #: 10206261

Fuze Project ID: 17123746

<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.
 - o 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.
- O Photos that show the model number of each antenna and piece of equipment installed per sector.

Antenna & equipment placement and Geometry Confirmation:

ě	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	Instructions / Validation as required from the MA or any other information the contractor
deems	necessary to share that was identified:
<mark>Issue:</mark>	
Respo	nse:
псоро	
	¥
Specia	Instruction Confirmation:
	\square The contractor has read and acknowledges the above special instructions.
	\Box 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.
	OR
	\Box The material utilized was approved by a SMART Tool engineering vendor as an "equivalent" and this approval is included as part of the contractor submission.

Comments:			
Contractor cortifies that	aha alimbina 6 dit		
Contractor certifies that	the climbing facilit	ty / sarety climi	was not damaged prior to starting work:
☐ Yes ☐	No		
	::		
Contractor certifies no n	ew damage create	d during the cu	rrent installation:
□ Yes □	No		
Contractor to certify the	condition of the sa	afety climb and	verify no damage when leaving the site:
Cafata Climb in	. Cood Condition		
☐ Safety Climb in	Good Condition		☐ Safety Climb Damaged
Certifying Individual:			
Company: Employee Name:			
Contact Phone:			
Email:			
Date:			

Sector:

Mount Elev:

Α

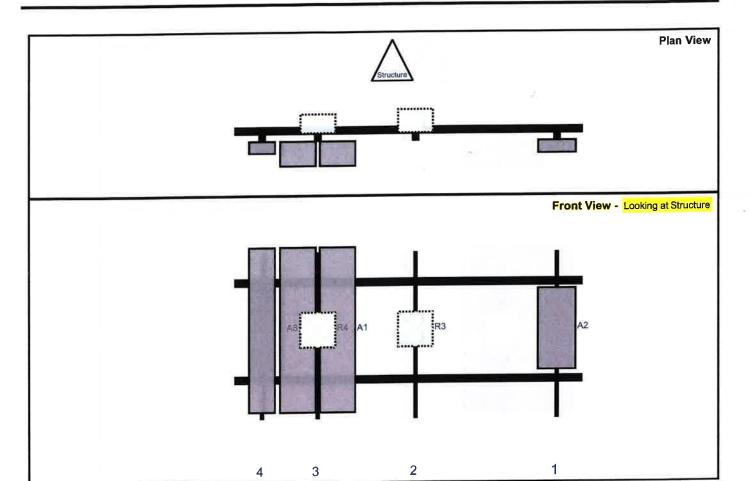
125.20

Structure Type: Monopole

10206261

7/10/2023





			Height	Width	H Dist	Pipe	Pipe	Ant	C. Ant	Ant		
Ref#	Model		(in)	(in)	Fm L.	#	Pos V	Pos	Frm Ta	H Off	Status	Validation
A2	MT6407-77A		35.1	16.1	139	1	а	Front	33.48	0	Retained	11/29/2022
R3	B2/B66A RRH-BR049		15	15	78	2	а	Behind	33.48	0	Retained	11/29/2022
A1	MX06FRO660-03		71.3	15.4	36	3	а	Front	33.48	8.5	Retained	11/29/2022
A1	MX06FRO660-03		71.3	15.4	36	3	b	Front	33.48	-8.5	Retained	11/29/2022
R4	B5/B13 RRH-BR04C		15	15	36	3	а	Behind	33.48	0	Retained	11/29/2022
A6	BXA-70063-6CF-4	ns in 5°	71	11.2	12	4	а	Front	33.48	0	Retained	11/29/2022
M100	RVZDC-6627-PF-48		28.9	15.7		Memb	er				Retained	11/29/2022

Structure: 5000247929-VZW - ASHFORD WEST 2 CT

Sector: **B** 7/10/2023

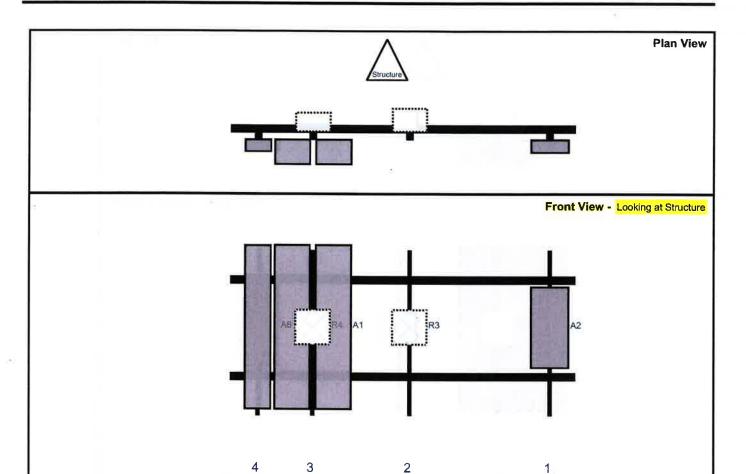
Structure Type: Monopole

125.20

Mount Elev:

10206261

Colliers Engineering & Design



Ref#	Model	Height (in)	Width (in)	H Dist	Pipe #	Pipe Pos V	Ant	C. Ant	Ant H Off	Status	Validation
A2	MT6407-77A	 35.1	16.1	139	1	a a	Front	33.48	0	Retained	11/29/2022
R3	B2/B66A RRH-BR049	15	15	78	2	а	Behind	33.48	0	Retained	11/29/2022
A1	MX06FRO660-03	71.3	15.4	36	3	а	Front	33.48	9	Retained	11/29/2022
A1	MX06FRO660-03	71.3	15.4	36	3	b	Front	33.48	-9	Retained	11/29/2022
R4	B5/B13 RRH-BR04C	15	15	36	3	а	Behind	33.48	0	Retained	11/29/2022
A6	BXA-70063-6CF-4	71	11.2	12	4	a	Front	33.48	0	Retained	11/29/2022

Structure: 5000247929-VZW - ASHFORD WEST 2 CT

Sector:

Mount Elev:

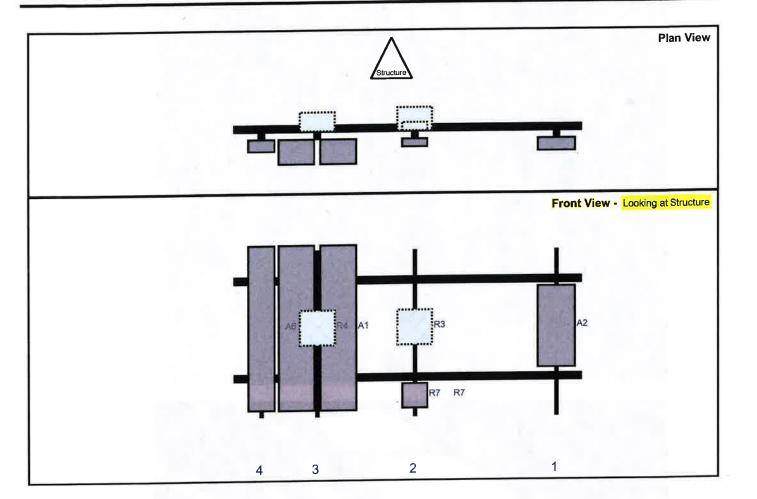
125.20

7/10/2023

Structure Type: Monopole

le 10206261



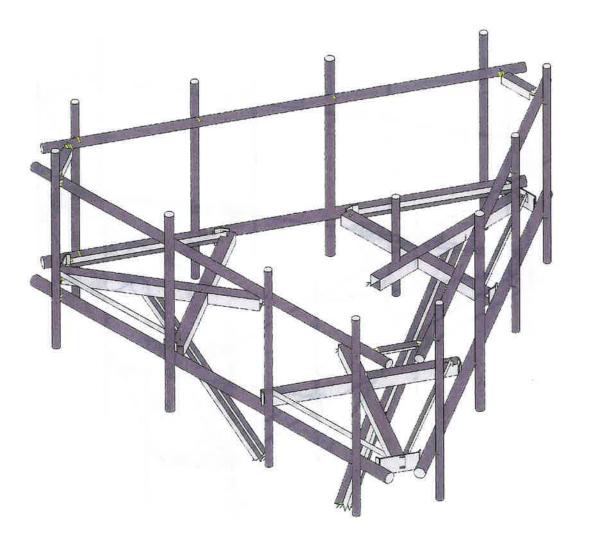


		Height	Width	H Dist	Pipe	Pipe	Ant	C. Ant	Ant		
Ref#	Model	(in)	(in)	Fm L	#	Pos V	Pos	Frm T	H Off	Status	Validation
A2	MT6407-77A	35.1	16.1	139	1	а	Front	33.48	0	Retained	11/29/2022
R3	B2/B66A RRH-BR049	15	15	78	2	а	Behind	33.48	0	Retained	11/29/2022
R7	BSF0020F3V1-1	10.6	10.9	78	2	а	Behind	63	0	Added	
R7	BSF0020F3V1-1	10.6	10.9	78	2	b	Front	63	0	Added	QT .
A1	MX06FRO660-03	71.3	15.4	36	3	а	Front	33.48	9	Retained	11/29/2022
A1	MX06FRO660-03	71.3	15.4	36	3	b	Front	33.48	-9	Retained	11/29/2022
R4	B5/B13 RRH-BR04C	15	15	36	3	а	Behind	33.48	0	Retained	11/29/2022
A6	BXA-70063-6CF-4	71	11.2	12	4	а	Front	33.48	0	Retained	11/29/2022

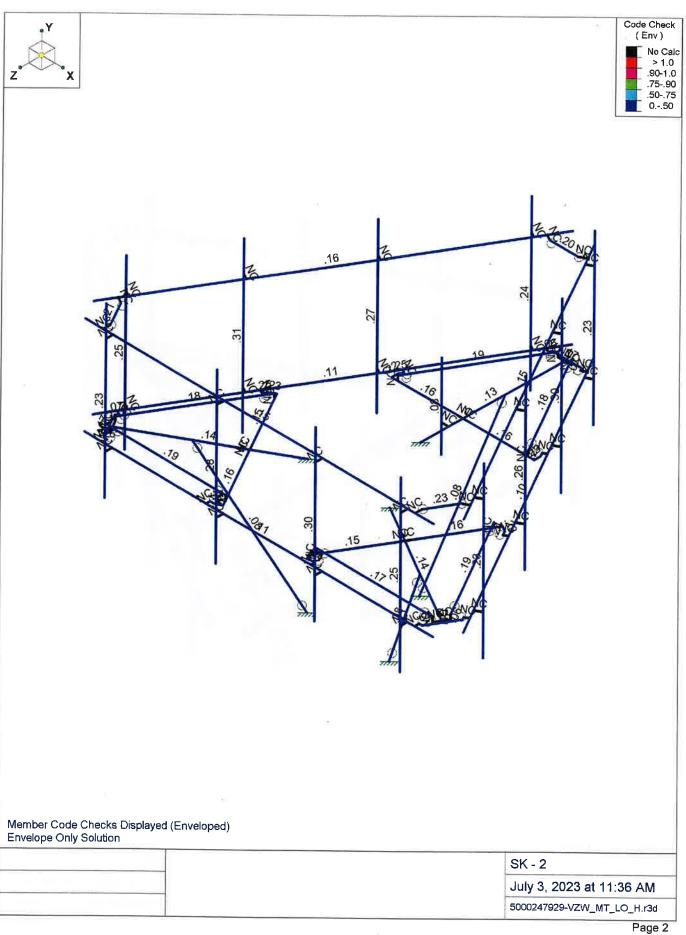


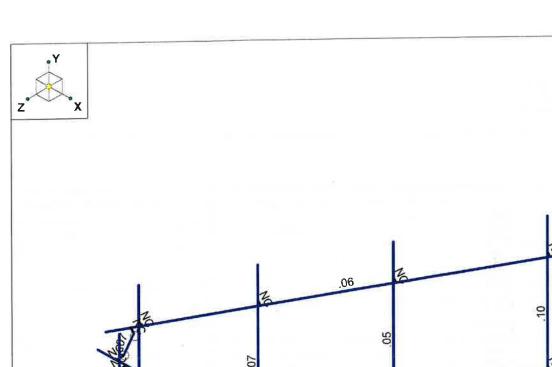




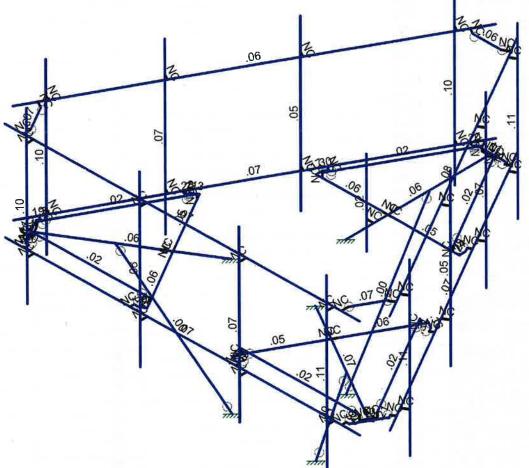


Envelope Only Solution	
	SK - 1
	July 3, 2023 at 11:36 AM
	5000247929-VZW_MT_LO_H.r3d





Shear Check (Env) No Calc > 1.0 .90-1.0 .75-.90 .50-.75



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Envelope Only Solution	
	SK - 3
	July 3, 2023 at 11:36 AM
	5000247929-VZW_MT_LO_H.r3d

Basic Load Cases

4	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me	Surface(P
1	Antenna D	None					96		V-	
2	Antenna Di	None					96			
3	Antenna Wo (0 Deg)	None					96			
4	Antenna Wo (30 Deg)	None					96			
5	Antenna Wo (60 Deg)	None					96			
6	Antenna Wo (90 Deg)	None		the b			96			
7	Antenna Wo (120 Deg)	None					96			
8	Antenna Wo (150 Deg)	None					96			
9	Antenna Wo (180 Deg)	None					96			
10	Antenna Wo (210 Deg)	None					96			
11	Antenna Wo (240 Deg)	None					96			
12	Antenna Wo (270 Deg)	None					96			
13	Antenna Wo (300 Deg)	None					96			
14	Antenna Wo (330 Deg)	None					96			
15	Antenna Wi (0 Deg)	None					96			
16	Antenna Wi (30 Deg)	None					96			
17	Antenna Wi (60 Deg)	None					96			
18	Antenna Wi (90 Deg)	None				10-7	96			
19	Antenna Wi (120 Deg)	None					96			
20	Antenna Wi (150 Deg)	None			il-		96			
21	Antenna Wi (180 Deg)	None	4				96			
22	Antenna Wi (210 Deg)	None					96	45		
	Antenna Wi (240 Deg)	None					96			
24	Antenna Wi (270 Deg)	None					96			
25	Antenna Wi (300 Deg)	None					96			
26	Antenna Wi (330 Deg)	None					96			
27	Antenna Wm (0 Deg)	None					96			
28	Antenna Wm (30 Deg)	None					96	1		
	Antenna Wm (60 Deg)	None					96			
30	Antenna Wm (90 Deg)	None					96			
	Antenna Wm (120 Deg)	None					96			
	Antenna Wm (150 Deg)	None			1.00		96			
	Antenna Wm (180 Deg)	None					96			
	Antenna Wm (210 Deg)	None	· .				96			
	Antenna Wm (240 Deg)	None					96			
	Antenna Wm (270 Deg)	None					96			
37	Antenna Wm (300 Deg)	None					96			
38	Antenna Wm (330 Deg)	None					96			
39	Structure D	None		-1					3	
40	Structure Di	None						61	3	
41	Structure Wo (0 Deg)	None						122	<u> </u>	
42	Structure Wo (30 Deg)	None						122		
43	Structure Wo (60 Deg)	None								
	Structure Wo (90 Deg)	None						122		
	Structure Wo (120 D	None						122		
	Structure Wo (150 D	None						122		
	Structure Wo (180 D	None						122		
	Structure Wo (210 D	None						122		
	Structure Wo (240 D	None						122		
	Structure Wo (270 D	None						122		
	Structure Wo (300 D	None						122		
	Structure Wo (330 D	None						122		
	Structure Wi (0 Deg)	None	-					122		



Basic Load Cases (Continued)

RICD	escription	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed A	Area(Me	Surface(P
	Wi (30 Deg)	None				THE ST		122		
55 Structure	Wi (60 Deg)	None						122		
56 Structure	Wi (90 Deg)	None	TELL IN	Add I pull				122	ATL:	
57 Structure	Wi (120 De	None						122		
	Wi (150 De	None	We let	A TOTAL				122		
	Wi (180 De	None						122		
	Wi (210 De	None						122	4 11	
	Wi (240 De	None						122		
	Wi (270 De	None	(E) F					122	vi II. +	
OE	Wi (300 De	None						122		
	Wi (330 De	None		and the P				122		
	Wm (0 Deg)	None						122		
	Wm (30 De	None		COLUMN TO				122		
	Wm (60 De	None						122		
68 Structure		None			ELEVEIN			122		1000
69 Structure	Wm (120 D.	None						122		
	Wm (150 D	None						122		
	Wm (180 D	None						122		
	Wm (210 D	None				V / D3	Terran	122		1
	Wm (240 D	None						122		
	Wm (270 D	None						122	1	
	Wm (300 D	None						122		
	Wm (330 D	None					Telegraph	122		
	_m1	None					1			
	m2	None				OF THE	1	TYTE,		
	Lv1	None					1			
	Lv2	None			TERET		1		V 181 ×	
	enna Ev	None					96			
	Eh (0 Deg)	None		81 - 1	5 27 1		64		VI II I	
	Eh (90 Deg)	None					64			
	cture Ev	ELY			A 1 3	1811	13 1	19/12	3	
	Eh (0 Deg)	ELZ			03			V	3	
	Eh (90 Deg)	ELX	.03		أسنار يتداميا		L.C.L.	TVIS	3	
	ransient Are	None						30		
	ransient Are	None						30	W. L. L.	
	ransient Are	None								
	ransient Are	None						30	1	
	ransient Are	None						30		

Load Combinations

	Description	Sol	P	SR.	BLC	Fact	BLC	Fact.	BLC	Fact.	BLC	Fact	BLC	Fact.	BLC	Fact.	BLC	Fact.	BLC	Fact.	BLC	Fact	BLC	Fact.
1		Yes		T	1	1.2	39	1.2	3	1	41	1					_	_	_			-		
2	1.2D+1.0	Yes	Y		1	1.2	39	1.2	4	1	42	1									-			
3		Yes			1	1.2	39	1.2	5	1	43	1			_		_				-			
4	1.2D+1.0	Yes	Y		1	1.2	39	1.2	6	1	44	1									- 1-		-	
5		Yes			1	1.2	39	1.2	7	1	45	_1_							_		-		-	-
6	1.2D+1.0				1	1.2	39	1.2	8	1	46	1				b		_						
7		Yes			1	1.2	39	1.2	9	1	47	1							-	_	_			
8	1.2D+1.0				1	1.2	39	1.2	10	1	48	_1_												
9		Yes			1	1.2	39	1.2	11	1	49	1							_				_	_
10		Yes			1	1.2	39	1.2	12	1	50	1		ĸ,										
11	1.2D+1.0				1	1.2	39	1.2	13	1	51	_1_							_		_		_	_
12	1.2D+1.0				11	1.2	39	1.2	14	1	52	1				361								
13	1.2D + 1.0				1	1.2	39	1.2	2	1	40	1	15	1	53	_1		_	_					
	1.2D + 1.0				1	1.2	39	1.2	2	1	40	1	16	1	54	1								

Load Combinations (Continued)

<u>Loa</u>	<u>a Combin</u>	atio	ons	16	<u>on</u>	<u>unu</u>	<u>ea)</u>																	
	Description S	loi	Р :	SR I	BI C	Fact	BLC	Fact	BLC	Fact	BIC	Fact	BI C	East	DI C	Fact	DI C	East	DI C	Foot	DI C	\ East	DIC	
15	1.2D + 1.0.	es	Y	1	1	12	30	1.2	2	1	40	1	17	1	55	1	Torc	raci.	T	Tau.	DLC	Fact.	DLC	Fact
16	1.2D + 1.0	100	V	\neg	1			1.2			_				-	_	-		+	1	-	_	+	_
17	1.2D + 1.0	/00	V		1	1.2					40		18		56	_	-	971				+		188
10	1.2D + 1.0 Y	(25)	\	\rightarrow				1.2		1	40		19	1	57		-		-		_	-	-	
10	1.2D + 1.0 Y	es	Y	-	1			1.2		1	40		20	1	58								100	MILL
19	1.2D + 1.0 Y	es	Y	_	1	1.2				1	40	1	21	1	59	1					1			
20	1.2D + 1.0 Y	es	Y		1			1.2		1	40	1	22	1	60	1	L OI							
21	1.2D + 1.0 Y	es	Y	_	1_			1.2		1	40	1	23	1	61	1								
22	1.2D + 1.0 Y	es	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1	H	Pi		0.00				l his
23	1.2D + 1.0 Y	'es	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0 Y	es	Y		1	1.2	39	1.2		1	40	1	26	1	64			100		10				
25	1.2D + 1.5 Y	es	Y		1		39				27	1	65	1										
26	1.2D + 1.5 Y	es	Y		1		_	1.2				1	66	1				8 -		367	100			100
27	1.2D + 1.5 Y	es	Y		1	1.2		1.2		1.5	29	1	67	1								-	1	
28	1.2D + 1.5 Y	'AS	Ÿ		1			1.2			30	1	68	1						-			-	
29	1.2D + 1.5 Y	Δe	V	-	1			1.2				1		_		-		-				-	-	
30	1.2D + 1.5 Y	00	$\dot{\nabla}$	_	1	1.2	20	1.2	77		31	_	69	1	_	-	-		_			-	-	_
31	1.2D + 1.5 Y	60	$\dot{\lor}$		1						32	1	70	1			-					-		
32	1.2D + 1.5 Y	65		-	_			1.2		1.5		1	71	1			-		_				 _ 	
32	1.2D + 1.5 Y	es	!	+	1			1.2		1.5		1	72	1			50							
33	1.2D + 1.5 Y	es	Y	-	1			1.2		1.5		1	73	1										
	1.2D + 1.5 Y			_	1			1.2				_ 1_	74	1										
	1.2D + 1.5 Y			_	1			1.2			37	1	75	1										
	1.2D + 1.5 Y				1	1.2	39	1.2	77	1.5		1	76	_1									11.5	
	1.2D + 1.5 Y				1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5 Y	es	Υ		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5 Y	es	Y		1	1.2	39	1.2	78	1.5	29	1	67	1									\vdash	
40	1.2D + 1.5 Y	es	Υ		1			1.2			30	1	68	1				M						7.00
41	1.2D + 1.5 Y	es	Y		1			1.2			31	1	69	1									\vdash	
42	1.2D + 1.5 Y	es	Y		1			1.2			32	1	70	1										
43	1.2D + 1.5 Y	es	Y	_	_	1.2	39			1.5	33	1	71	1					\vdash				\vdash	
44	1.2D + 1.5 Y	es	Ϋ́	_	1			1.2			34	1	72	1				I.A						
	1.2D + 1.5 Y				-		39			1.5	35	1	73	1	-		-		-	2011	-			
	1.2D + 1.5 Y			_								_		$\overline{}$								_	\vdash	_
17	1.2D + 1.5. Y	62	\	_	1						36	1	74	1	_	_	-14	-	-	- 15	_			
	1.2D + 1.5 Y				_						37	_1_	75	1			_							
	1.2D + 1.5 Y				1			1.2			38	_1_	76	1										
				_			39			1.5														
	1.2D + 1.5 Y		_	_	_			1.2	80	1.5							4	25		-0.7			100	
51		es		_		1.4																		
	1.2D + 1.0 Y			_	1	1.2		1.2	81		ELY	1	82	1	83		ELZ	1	ELX			ir bj		
53	1.2D + 1.0 Y	es	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	.5	ELZ	.866	ELX	.5				
54	1.2D + 1.0 Y	es	Y		1	1.2	39	1.2	81	1	ELY	1	82			.866								
55	1.2D + 1.0 Y	es	Y		1	1.2	39		81	1	ELY	1	82		83		ELZ		ELX					
56	1.2D + 1:0 Y	es	Y					1.2		_	ELY	_		- 5		.866								
57	1.2D + 1.0Y	es	Υ					1.2			ELY					.5				.5				
	1.2D + 1.0Y			_	1	1.2	39		81		ELY		82		83			-1			131			
	1.2D + 1.0Y			-		1.2			81		ELY	-				5						-		
	1.2D + 1.0 Y							1.2	81		ELY	-				5 866								
61	1.2D + 1.0 Y	00	†										82	5										- 0
	1.2D + 1.0 Y							1.2	81		ELY		82		83		ELZ		ELX					
62	1.2D + 1.0 Y	52	-					1.2	81		ELY		82			866								
						1.2	39	1.2	81		ELY	_1_	82			5								
	0.9D - 1.0 Y				1	.9	39	.9	81		ELY	-	82	1	83		ELZ		ELX		Y L			
65	0.9D - 1.0 Y	es	Y		1	.9	39	.9	81		ELY	-1	82	.866				.866						
	0.9D - 1.0 Y				1	.9	39	.9	81		ELY	-1	82	.5	83	.866	ELZ	.5	ELX	.866	17.5			
	0.9D - 1.0 Y				1	.9	39	.9	81	-1	ELY	-1	82		83		ELZ		ELX	1				
	0.9D - 1.0 Y				1	.9	39	.9	81		ELY	-1	82			.866	ELZ	5	ELX	.866	بالأا			
	0.9D - 1.0 Y				1	.9	39	.9	81		ELY			866				866						
70	0.9D - 1.0Y	es	Y		1		39	.9	81		ELY		82		83		ELZ							TELL
71	0.9D - 1.0 Y	es `	ΥT		1	.9	39	.9	81		ELY					5				-5				
				_					U .				, UZ	.555	UU			.000	/4	٠.٠	_		-	



Load Combinations (Continued)

	Description Sol	P	SR	BLC	Fact.	BLC	Fact.	BLC	Fact.	BLC	Fact	BLC	Fact	BLC	Fact.	BLC	Fact.	BLC	I au.	BLC	Fact	BLC	Fact
72	0.9D - 1.0 Yes	ΪŸ	T	1	9	39	9	81	-1	ELY	-1	82	5	83	866	ELZ	5	ELX	866				Ele
72	0.9D - 1.0 Yes	♦	1	1	Q	30	9	81	-1	ELY	-1	82		83	-1	ELZ		ELX	-1				
13		\frac{1}{V}	\vdash	1	.0	20	0	Ω1	-1	ELY	-1	82	5		866	ELZ	-5	ELX	866				
74	0.9D - 1.0 Yes		-	+	.9	29	.5	01	-1	ELY	1	82	- 10		_	_	866	FLX	- 5				
75	0.9D - 1.0 Yes	Y		1	.9	39	.9	81	-1	ILL I		QZ.	.000	05		1	.000						

Joint Coordinates and Temperatures

Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap.
N1	6.25	0	4.060523	0	
N2	-6.25	0	4.060523	0	
N3	0	0	-1.708333	0	
N5	-2.541667	0	-3.208333	0	
N6	2.315104	0.166667	-3.208333	0	
N7	-2.315104	0.166667	-3.208333	0	
N8	5.333333	0	4.060523	0	
N9	5.333333	0	4.310523	0	
N22	5.333333	-1.416667	4.310523	00	
N23	5.333333	4.583333	4.310523	0	
N24	0	0	-3.208333	0	
N27	0	0	-6.895833	0	
CP	0	0	0	0	
N29	2.315104	0	-3.208333	0	
N30	-2.315104	0	-3.208333	0	
N101	2.541667	0	-3.208333	0	
N102	-0.166667	0	-3.208333	0	
N103A	0.166667	0	-3.208333	0	
N104A	-2.541667	0	-3.427083	0	
N105	2.541667	0	-3.427083	0	
N131	2.458333	0	-3.571421	0	
N135	0.571615	0	-6.798857	0	
N144	-2.458333	0	-3.571421	0	
N148	-0.571615	0	-6.798857	0	
N86A	2.584629	0	-3.644338	0	
N86B	-2.584629	0	-3.644338	0	
N86C	-0.515625	0	-6.895833	0	
N87A	0.515625	0	-6.895833	0	
N86D	0.715429	0	-6.881888	0	
N86E	-0.715429	0	-6.881888	0	
N88A	0	0	-6.8125	0	
	0.234238	0.166667	-6.8125	0	
	0.234238	0.10000	-6.8125	0	
	-0.234238	0.166667	-6.8125	0	
	-0.234238	0	-6.8125	0	
N88C	-5.169162	0	4.060523	0	
N109	5.169162	0	4.060523	0	
N136		0.083333	4.310523	0	
N141A	-1.47946	0.00000	0.854167	0	
N54	-1.507665	0	3.805315	0	
N55		0.166667	-0.400772	0	
N56	-3.93605 4.620946				
N57 N58 N58 N59 N61 N62 N63 N63		-1.620946 -2.778498 -5.971967 -3.93605 -1.620946 -4.049332 -2.695165	-1.620946 0.166667 -2.778498 0 -5.971967 0 -3.93605 0 -1.620946 0 -4.049332 0	-1.620946 0.166667 3.609106 -2.778498 0 1.604167 -5.971967 0 3.447917 -3.93605 0 -0.400772 -1.620946 0 3.609106 -4.049332 0 -0.596981	-1.620946 0.166667 3.609106 0 -2.778498 0 1.604167 0 -5.971967 0 3.447917 0 -3.93605 0 -0.400772 0 -1.620946 0 3.609106 0 -4.049332 0 -0.596981 0

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap.
49	N65	-2.861832	Ö	1.459829	Ö	
50	N66	-1.697108	0	3.91469	0	
51	N67	-4.238775	0	-0.487606	0	
52	N68	-4.322108	0	-0.343269	0	
53	N69	-6.17379	0	2.904396	0	
54	N70	-1.863775	0	3.91469	0	
55	N71	-5.602175	0	3.894461	.0	
56	N72	-4.448404	0	-0.416185	0	
57	N74	-5.714154	0	3.894461	0	
58	N75	-6.229779	0	3.001372	0	
59	N76	-6.317604	0	2.821364	0	
60	N77	-5.602175	0	4.060523	0	
61	N78	-5.899798	0	3.40625	0	
62	N79	-6.016917	0.166667	3.203394	Ö	
63	N80	-6.016917	0.100007	3.203394	0	
64	N81	-5.782679	0.166667	3.609106	0	
65	N82	-5.782679	0.100007	3.609106	0	
66	N83	1.47946	0			
67	N84	4.049332	0	0.854167	0	
68	N85	1.620946		-0.596981	0	
69	N86	3.93605	0.166667	3.609106	0	
70	N87		0.166667	-0.400772	0	
71		2.778498	0	1.604167	0	
72	N88	5.971967	0	3.447917	0	
	N90	1.620946	0	3.609106	0	
73	N91	3.93605	0	-0.400772	0	
74	N92	1.507665	0	3.805315	0	
75	N93	2.861832	0	1.459829	0	
76	N94	2.695165	0	1.748504	0	
77	N95	4.238775	0	-0.487606	0	
78	N96	1.697108	0	3.91469	0	
79	N97	1.863775	0	3.91469	0	
80	N98	5.602175	0	3.894461	0	
81	N99	4.322108	0	-0.343269	0	
82	N100	6.17379	0	2.904396	0	
83	N101A	1.863775	0	4.060523	0	
84	N102A	4.448404	0	-0.416186	0	
85	N103	6.229779	0	3.001372	0	
86	N104	5.714154	0	3.894461	Ö	
87	N105A	5.602175	0	4.060523	0	
88	N106	6.317604	0	2.821364	Ö	
89	N107	5.899798	0	3.40625	0	
90	N108	5.782679	0.166667	3.609106	0	
91	N109A	5.782679	0	3.609106	0	
92	N110	6.016917	0.166667	3.203394	0	
93	N111	6.016917	0.100007	3.203394	0	
94	N94A	2.25	0	4.060523		
95	N95A	2.25	0		0	
96	N96A	2.25	-1.416667	4.310523	0	
97	N97A	2.25		4.310523	0	
98	N98A		4.583333	4.310523	0	
99	N99A N99A	0.25	0.083333	4.310523	0	
100		-1.25	0	4.060523	0	
	N100A	-1.25	0	4.310523	0	
101	N101B	-1.25	-1.416667	4.310523	0	
102	N102B	-1.25	4.583333	4.310523	0	
103	N103B	-3.25	0.083333	4.310523	0	
104	N104B	-5.25	0	4.060523	0	
105	N105B	-5.25	0	4.310523	0	

	Label	emperatures (Co	Y [ft]	Z [ft]	Temp [F]	Detach From Diag
106	N106A	-5.25	-1.416667	4.310523	0	
107	N107A	-5.25	4.583333	4.310523	0	
	N109B	-5.25	4.083333	4.310523	0	
108	N110A	-5.25	5	4.310523	0	
109		-5.25	1.791667	4.310523	0	
110	N110B	0.391516	0	-7.44292	0	
111	N111A	6.641516	ŏ	3.382397	0	
112	N112	0.84985	0	-6.649064	0	
113	N113	1.066356	0	-6.774064	0	
114	N114		-1.416667	-6.774064	0	
115	N115	1.066356	4.583333	-6.774064	0	
116	N116	1.066356	0.083333	-6.774064	0	
117	N118	1.066356		2.516372	0	
118	N129	6.141516	0		0	
119	N130	6.358023	0	2.391372	0	
120	N131A	6.358023	-1.416667	2.391372		
121	N132	6.358023	4.583333	2.391372	0	
122	N133	6.358023	4.083333	2.391372	0	
123	N134	6.358023	5	2.391372	0	_
124	N135A	6.358023	1.791667	2.391372	0	
125	N136A	-6.641516	0	3.382397	0	
126	N137	-0.391516	0	-7.44292	0	
127	N138	-6.183183	0	2.588541	0	
128	N139	-6.399689	0	2.463541	0	
129	N140	-6.399689	-1.416667	2.463541	0	
130	N141	-6.399689	4.583333	2.463541	0	
	N143	-6.399689	0.083333	2.463541	0	
131	N154	-0.891516	0	-6.576895	0	
132		-1.108023	0	-6.701895	0	
133	N155	-1.108023	-1.416667	-6.701895	0	
134	N156	-1.108023	4.583333	-6.701895	0	
135	N157	-1.108023	4.083333	-6.701895	0	
136	N158	-1.108023	5	-6.701895	0	
137	N159		1.791667	-6.701895	0	
138	N160	-1.108023	0	-2.708333	0	
139	N159A	0	0	-2.708333	Ö	
140	N160A	-0.266667		-2.708333	0	
141	N161	-0.266667	-1		0	
142	N162	-0.266667	2	-2.708333	0	
143	N164	-1.863775	0	4.060523	0	
144	N164A	-5.25	3.541667	4.310523		
145	N165	-5.25	0.041667	4.310523	0	
146	N166	-5.25	2.791667	4.310523	0	
147	N167	-5.25	0.791667	4.310523	0	
148	N168	-0.558333	0	4.060523	0	
149	N169	-1.891667	0	4.060523	.0	
150	N170	6.25	3.5	4.060523	0	
151	N171	-6.25	3.5	4.060523	0	
	N172	5.333333	3.5	4.060523	0	
152	N172	5.333333	3.5	4.310523	0	
153	N173	-0.571615	3.5	-6.798857	0	
154		0.715429	3.5	-6.881888	0	
155	N175	-5.169162	3.5	4.060523	0	
156	N176	5.333333	3.583333	4.310523	0	
157	N177	-6.317604	3.5	2.821364	0	
158	N178		3.5	4.060523	0	
159	N179	5.602175		2.821364	0	
160	N180	6.317604	3.5		0	
161	N181	2.25	3.5	4.060523 4.310523	Ö	
162	N182	2.25	3.5	4.010020	U	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap
163	N183	0.25	3.583333	4.310523	Ó	
164	N184	-1.25	3.5	4.060523	0	
165	N185	-1.25	3.5	4.310523	0	
166	N186	-3.25	3.583333	4.310523	0	
167	N187	-5.25	3.5	4.060523	0	
168	N188	-5.25	3.5	4.310523	0	
169	N189	0.391516	3.5	-7.44292	0	
170	N190	6.641516	3.5	3.382397	0	
171	N191	0.84985	3.5	-6.649064	0	
172	N192	1.066356	3.5	-6.774064	0	
173	N193	1.066356	3.583333	-6.774064	0	
174	N200	6.141516	3.5	2.516372	0	
175	N201	6.358023	3.5	2.391372	0	
176	N202	-6.641516	3.5	3.382397	0	
177	N203	-0.391516	3.5	-7.44292	0	
178	N204	-6.183183	3.5	2.588541	Ö	
179	N205	-6.399689	3.5	2.463541	0	
180	N206	-6.399689	3.583333	2.463541	Ö	
181	N213	-0.891516	3.5	-6.576895	0	
182	N214	-1.108023	3.5	-6.701895	0	
183	N216	-0.558333	3.5	4.060523	0	
184	N216A	-5.602175	3.5	4.060523	0	
185	N217	5.602175	3.5	3.810523	0	
186	N220	-5.602158	3.5	3.810523	0	
187	N222	0.498922	3.5	-6.756888	0	
188	N223	6.101089	3.5	2.94635		
189	N226	-0.715429	3.5		0	
190	N227	-6.101098		-6.881888	0	
191	N228	-0.498931	3.5	2.946364	0	
192	N224	-0.496931	3.5	-6.756873	0	
193	N225	-1.47946	-4.75	-1.708333	0	
194	N226A		-4.75	0.854167	0	
195	N227A	1.47946	-4.75	0.854167	0	
196	N230	0	0	-4.708333	0	
197	N233	-4.077536	0	2.354167	0	
198		4.077536	0	2.354167	0	
199	N198	2.391516	0	-3.978819	0	
	N199	2.608023	0	-4.103819	0	
200	N200A	2.608023	-1.416667	-4.103819	0	
201	N201A	2.608023	4.583333	-4.103819	0	
202	N202A	4.141516	0	-0.94773	0	
203	N203A	4.358023	0	-1.07273	0	
204	N204A	4.358023	-1.416667	-1.07273	0	
205	N205A	4.358023	4.583333	-1.07273	0	
206	N206A	2.391516	3.5	-3.978819	0	
207	N207	2.608023	3.5	-4.103819	0	
208	N208	4.141516	3.5	-0.94773	0	
209	N209	4.358023	3.5	-1.07273	0	
210	N210	-4.641516	0	-0.081704	0	
211	N211	-4.858023	0	-0.206704	0	
212	N212	-4.858023	-1.416667	-0.206704	0	
213	N213A	-4.858023	4.583333	-0.206704	0	
214	N214A	-2.891516	0	-3.112793	0	
215	N215	-3.108023	0	-3.237793	0	
216	N216B	-3.108023	-1.416667	-3.237793	Ö	
217	N217A	-3.108023	4.583333	-3.237793	0	
218	N218	-4.641516	3.5	-0.081704	0	
219	N219	-4.858023	3.5	-0.206704	0	



Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap
220	N220A	-2.891516	3.5	-3.112793	0	
221	N221	-3.108023	3.5	-3.237793	0	

Hot Rolled Steel Section Sets

1101	Label	Shape	Type	Design List	Material	Design R	A [in2]	lyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	MOD Support Rail	PIPE 2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
	Standoff Horizontal	HSS4X4X4	Beam	SquareT	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
3		PL3/8x6	Beam	BAR	A36 Gr.36	Typical	2.25	.026	6.75	.101
4_	Corner Plate Platform Crossmemb	HSS4X4X4		SquareT	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
5			Dogini	Single An	A36 Gr.36	Typical	.491	.189	.189	.003
6	Grating Support	L2x2x2	Beam	Single An.	A36 Gr.36	Typical	2.18	4.09	1.9	.027
7	MOD Kicker	LL3x3x3x3		Single An		Typical	1,44	1.23	1.23	.031
8	MOD_Corner Plate	L3X3X4			A53 Gr.B	Typical	1.02	.627	.627	1.25
9	Mount Pipe	PIPE 2.0	Column		A53 Gr.B	Typical	1.61	1.45	1.45	2.89
10	MOD_Dual Mount Pi	PIPE 2.5	Column				2.25	.026	6.75	.101
11	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.23	.020	0.10	

Hot Rolled Steel Properties

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

Member Primary Data

	Jer Fillia	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
4	Label LV	N2	N1	TV OOMIC	1	Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
- -		N3	N27			Standoff Horiz	Beam	SquareTube	A500 Gr.B	Typical
2	M4		N103A			Platform Cross	Beam	SquareTube	A500 Gr.B	Typical
3	M10	N101				RIGID	None	None	RIGID	Typical
4	LM2	N8	N9				Column		A53 Gr.B	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
5	MP1A	N23	N22			Platform Cross		SquareTube		Typical
6	M43	N102	N5	_		Corner Plate		BAR	A36 Gr.36	Typical
7	M46	N86C	N87A	_		RIGID	None	None	RIGID	Typical
8	M35A	N7	N30				None	None	RIGID	Typical
9	M36A	N6	N29			RIGID	-	Single Angle	A36 Gr.36	Typical
10	M51B	N87C	N6			Grating Support			A36 Gr.36	Typical
11	M52B	N7	N87B			Grating Support		Single Angle	RIGID	Typical
12	M52	N87B	N88C			RIGID	None	None		
13	M58	N102	N24			RIGID	None	None	RIGID	Typical
14	M59	N24	N103A			RIGID	None	None	RIGID	Typical
15	M76	N101	N105			Cross Arm Plate			A36 Gr.36	Typical
16	M77	N105	N131			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
17	M79	N131	N86A			RIGID	None	None	RIGID	Typical
	M80	N87A	N135			Corner Plate	Beam	BAR	A36 Gr.36	Typical
18		N135	N86D			RIGID	None	None	RIGID	Typical
19	M83		N104A			Cross Arm Plate		RECT	A36 Gr.36	Typical
20	M84	N5			+	Cross Arm Plate		RECT	A36 Gr.36	Typical
21 22	M85 M88	N104A N144	N144 N86B			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint Rotate(de	g) Section/Shape	Type	Design List	Material	Design Rule
23	M91	N86C	N148	T. Sank	Corner Plate		BAR	A36 Gr.36	Typical
24	M92	N148	N86E		RIGID	None	None	RIGID	Typical
25	M50	N88C	N88A		RIGID	None	None	RIGID	Typical
26	M51	N88A	N86G		RIGID	None	None	RIGID	Typical
27	M51A	N87C	N86G		RIGID	None	None	RIGID	Typical
28	M34	N54	N59		Standoff Horiz	Beam	SquareTube		Typical
29	M35	N63	N65		Platform Cross.	Beam	SquareTube		Typical
30	M36	N64	N55		Platform Cross.	Beam	SquareTube		Typical
31	M37	N74	N75		Corner Plate		BAR	A36 Gr.36	Typical
32	M38	N57	N62	240	RIGID	None	None	RIGID	Typical
33	M39	N56	N61	240	RIGID	None	None	RIGID	Typical
34	M40	N79	N56		Grating Support	Beam	Single Angle		Typical
35	M41	N57	N81		Grating Support		Single Angle		Typical
36	M42	N81	N82	240	RIGID	None	None	RIGID	Typical
37	M43A	N64	N58	240	RIGID	None	None	RIGID	Typical
38	M44	N58	N65		RIGID	None	None	RIGID	
39	M45	N63	N67		Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
40	M46A	N67	N68		Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
41	M47	N68	N72		RIGID				Typical
42	M48	N75	N69			None	None	RIGID	Typical
43	M49	N69	N76		Corner Plate RIGID	Beam	BAR	A36 Gr.36	Typical
44	M50A	N55	N66	The same of the same	Cross Arm Plate	None	None	RIGID	Typical
45	M51C	N66	N70		Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
46	M53	N74	N71		Cross Arm Plate			A36 Gr.36	Typical
47	M54	N71	N77		Corner Plate		BAR	A36 Gr.36	Typical
48	M55	N82	N78		RIGID	None	None	RIGID	Typical
49	M56	N78	N80		RIGID	None	None	RIGID	Typical
50	M57	N79		0.40	RIGID	None	None	RIGID	Typical
51	M58A		N80	240	RIGID	None	None	RIGID	Typical
52	M59A	N83	N88		Standoff Horiz	Beam	SquareTube		Typical
		N92	N94		Platform Cross	Beam	SquareTube	A500 Gr.B	Typical
53 54	M60	N93	N84		Platform Cross	Beam	SquareTube		Typical
55	M61	N103	N104		Corner Plate	Beam	BAR	A36 Gr.36	Typical
	M62	N86	N91	120	RIGID	None	None	RIGID	Typical
56	M63	N85	N90	120	RIGID	None	None	RIGID	Typical
57	M64	N108	N85		Grating Support		Single Angle	A36 Gr.36	Typical
58	M65	N86	N110		Grating Support	Beam	Single Angle		Typical
59	M66	N110	N111	120	RIGID	None	None	RIGID	Typical
60	M67	N93	N87		RIGID	None	None	RIGID	Typical
61	M68	N87	N94		RIGID	None	None	RIGID	Typical
62	M69	N92	N96	de la maria de de la constante	Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
63	M70	N96	N97		Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
64	M71	N97	N101A		RIGID	None	None	RIGID	Typical
65	M72	N104	N98		Corner Plate	Beam	BAR	A36 Gr.36	Typical
66	M73	N98	N105A		RIGID	None	None	RIGID	Typical
67	M74	N84	N95		Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
68	M75	N95	N99		Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
69	M76A	N99	N102A		RIGID	None	None	RIGID	Typical
70	M77A	N103	N100	All the second	Corner Plate	Beam	BAR	A36 Gr.36	Typical
71	M78	N100	N106		RIGID	None	None	RIGID	Typical
72	M79A	N111	N107		RIGID	None	None	RIGID	Typical
73	M80A	N107	N109A		RIGID	None	None	RIGID	Typical
74	M81	N108	N109A	120	RIGID	None	None	RIGID	Typical
75	M75A	N94A	N95A		RIGID	None	None	RIGID	Typical
76	MP2A	N97A	N96A		Mount Pipe	Column	Pipe	A53 Gr.B	Typical
77	LM1	N99A	N100A		RIGID	None	None	RIGID	Typical
78	MP3A	N102B	N101B		MOD_Dual Mo	Column	Pipe	A53 Gr.B	
79	M79B	N104B	N105B		RIGID	None	None	700 CI.D	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	The second secon	Design Rule
80	MP4A	N107A	N106A			Mount Pipe	Column		A53 Gr.B	Typical
81	M81A	N111A	N112			Face Horizontal		Pipe	A53 Gr.B	Typical
82	M82	N113	N114			RIGID	None	None	RIGID	Typical
83	MP1C	N116	N115		240	Mount Pipe	Column	Pipe	A53 Gr.B	Typical
84	M88A	N129	N130			RIGID	None	None	RIGID	Typical
85	MP4C	N132	N131A		240	Mount Pipe	Column	Pipe	A53 Gr.B	Typical
86	M90	N136A	N137			Face Horizontal		Pipe	A53 Gr.B	Typical
87	M91A	N138	N139			RIGID	None	None	RIGID	Typical
88	MP1B	N141	N140		120	Mount Pipe	Column	Pipe	A53 Gr.B	Typical
89	M97	N154	N155			RIGID	None	None	RIGID	Typical
90	MP4B	N157	N156		120	Mount Pipe	Column	Pipe	A53 Gr.B	Typical
91	M99	N159A	N160A			RIGID	None	None	RIGID	Typical
92	M100	N162	N161			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
93	M101	N70	N164			RIGID	None	None	RIGID	Typical
94	M102	N171	N170			MOD_Support	Beam	Pipe	A53 Gr.B	Typical
95	M103	N172	N173			RIGID	None	None	RIGID	Typical
96	M104	N181	N182			RIGID	None	None	RIGID	Typical
97	M105	N184	N185			RIGID	None	None	RIGID	Typical
98	M106	N187	N188			RIGID	None	None	RIGID	Typical
99	M107	N189	N190			MOD_Support	Beam	Pipe	A53 Gr.B	Typical
100	M108	N191	N192			RIGID	None	None	RIGID	Typical
101	M111	N200	N201			RIGID	None	None	RIGID	Typical
102	M112	N202	N203			MOD_Support	Beam	Pipe	A53 Gr.B	Typical
103	M113	N204	N205			RIGID	None	None	RIGID	Typical
104	M116	N213	N214			RIGID	None	None	RIGID	Typical
105	M117	N179	N217			RIGID	None	None	RIGID	Typical
106	M118	N216A	N220			RIGID	None	None	RIGID	Typical
107	M119	N175	N222			RIGID	None	None	RIGID	Typical
108	M120	N180	N223			RIGID	None	None	RIGID	Typical
109	M121	N178	N227			RIGID	None	None	RIGID	Typical
110	M122	N226	N228			RIGID	None	None	RIGID	Typical
111	M123	N220	N227		180	MOD_Comer	Beam	Single Angle	A36 Gr.36	Typical
112	M124	N223	N217		180	MOD_Corner	Beam	Single Angle	A36 Gr.36	Typical
113	M125	N228	N222		180	MOD_Corner	Beam	Single Angle	A36 Gr.36	Typical
114	M126	N227A	N224			MOD Kicker	Beam	Single Angle	A36 Gr.36	Typical
115	M127	N230	N225			MOD Kicker	Beam	Single Angle	A36 Gr.36	Typical
	M128	N233	N226A			MOD Kicker		Single Angle	A36 Gr.36	Typical
116	M117A	N198	N199			RIGID	None	None	RIGID	Typical
117	MP2C	N201A	N200A	San L		Mount Pipe	Column	Pipe	A53 Gr.B	Typical
118	M119A	N202A	N203A			RIGID	None	None	RIGID	Typical
	MP3C	N205A	N204A			MOD Dual Mo.,		Pipe	A53 Gr.B	Typical
120	M121A	N205A N206A	N207			RIGID	None	None	RIGID	Typical
121	M121A	N208	N209			RIGID	None	None	RIGID	Typical
122		N210	N211			RIGID	None	None	RIGID	Typical
123	M123A	N213A	N212			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
124	MP2B		N212 N215			RIGID	None	None	RIGID	Typical
125	M125A	N214A	N216B			MOD_Dual Mo		Pipe	A53 Gr.B	Typical
126	MP3B	N217A	N210B N219			RIGID	None	None	RIGID	Typical
127	M127A	N218				RIGID	None	None	RIGID	Typical
128	M128A	N220A	N221			KIGID	INOILE	140110	1000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

Member Advanced Data

1610111	~ ~ / 10 /	411000								
	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physica	Defi RatAnalysis	Inactive	Seismic
	Lauci	Titelease	01100000				Yes	Default		None
1	LV			1000			Yes			None
2	M4						Yes	Default		None
131	M10						res	Delauit		INOTIC

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only			Analysis	Inactive	Seismic.
4	LM2						Yes	** NA **			None
5	MP1A	-					Yes	** NA **			None
6	M43						Yes	Default			None
_7	M46						Yes	Default			None
8	M35A						Yes	** NA **		1000	None
9	M36A						Yes	** NA **			None
10	M51B		00000X				Yes	Default			None
11	M52B	00000X	00000X				Yes	Default			None
12	M52						Yes	** NA **			None
13	M58						Yes	** NA **			None
14	M59				The state of		Yes	** NA **			None
15	M76						Yes	** NA **			None
16	M77						Yes	** NA **			None
17	M79		BenPIN				Yes	** NA **			None
18	M80						Yes				None
19	M83		BenPiN				Yes	** NA **			None
20	M84		ومتسحصوال				Yes	** NA **		1 1 2 3	None
21	M85						Yes	** NA **			None
22	M88		BenPIN				Yes	** NA **			None
23	M91						Yes				None
24	M92		BenPIN				Yes	** NA **			None
25	M50						Yes	** NA **			None
26	M51						Yes	** NA **		TIME	None
27	M51A						Yes	** NA **			None
28	M34						Yes	1	100	71.00	None
29	M35						Yes	Default			None
30	M36				d T - d		Yes	Default			None
31	M37						Yes	Default		V V	None
32	M38							** NA **			None
33	M39						Yes	** NA **			None
34	M40	00000X	00000X		J. P I		Yes	Default	10.4	1 4 1	None
35	M41	00000X	00000X				Yes	Default			None
36	M42				1 1 2 1			** NA **			None
37	M43A							** NA **			None
38	M44							** NA **	11.00		None
39	M45							** NA **			None
40	M46A							** NA **	THE STATE OF THE S		None
41	M47		BenPIN					** NA **			None
42	M48			1000			Yes		1.7.		None
43	M49		BenPIN					** NA **			None
44	M50A							** NA **			None
45	M51C						Yes	** NA **			None
46	M53				THE PARTY		Yes				None
47	M54		BenPIN				Yes	** NA **			None
48	M55							** NA **			None
49	M56							** NA **			None
50	M57							** NA **			None
51	M58A						Yes				None
52	M59A						Yes	Default			None
53	M60						Yes	Default			None
54	M61						Yes	Default			None
55	M62							** NA **			None
56	M63							** NA **			None
57	M64	00000X	00000x				Yes	Default			
58	M65	00000X					Yes	Default			None
59	M66	JUUUK	CCCCCX					** NA **			None None
	M67						169	I INA			i ivone

Member Advanced Data (Continued)

	Label	I Release	J Release		J Offset[in]	T/C Only	Physical Yes	Defl Rat. Analysis	Inactive	Seismic.
61	M68						Yes	** NA **		None
62	M69			100			Yes	** NA **		None
63	M70						Yes	** NA **		None
64	M71		BenPIN					INA		None
65	M72						Yes	** NA **		None
66	M73		BenPIN				Yes	** NA **		None
67	M74						Yes			None
68	M75			L VAV			Yes	** NA ** ** NA **		None
69	M76A		BenPIN				Yes	NA I		None
70	M77A						Yes	** NA **		None
71	M78		BenPIN				Yes	tt NA **		None
72	M79A						Yes	** NA **		None
73	M80A						Yes	** NA **		None
74	M81					40.	Yes	** NA **		
75	M75A						Yes	** NA **		None None
76	MP2A						Yes	** NA **		
77	LM1						Yes	** NA **		None
78	МР3А						Yes	** NA **		None
79	M79B						Yes	** NA **		None
80	MP4A						Yes	** NA **		None
81	M81A						Yes	Default		None
82	M82					3.85	Yes	** NA **		None
83	MP1C						Yes	** NA **		None
84	M88A						Yes	** NA **		None
85	MP4C						Yes	** NA **		None
86	M90						Yes	Default		None
87	M91A						Yes	** NA **		None
	MP1B						Yes	** NA **		None
88	M97	-					Yes	** NA **		None
89	MP4B						Yes	** NA **		None
90	M99						Yes	** NA **		None
91							Yes	** NA **		None
92	M100		BenPIN				Yes	** NA **		None
93	M101		DeliFild				Yes	Default		None
94	M102						Yes	** NA **		None
95	M103						Yes	** NA **		None
96	M104			-			Yes	** NA **		None
97	M105	-					Yes	** NA **		None
98	M106						Yes	Default		None
99	M107	-					Yes	** NA **		None
100	M108						Yes			None
101	M111						VAS	Default		None
102	M112						Yes	** NA **		None
103	M113						Yes	** NA **		None
104	M116						Yes	** NA **		None
105	M117	00000X					Yes	** NA **		None
106	M118	00000X					Yes	** NA **		None
107	M119	00000X					Yes	** NA **		None
108	M120	00000X			-			** NA **		None
109	M121	00000X					Yes	** NA **		None
110	M122	00000X					Yes	IVA		None
111	M123						Yes			None
112	M124						Yes			None
113	M125						Yes	+		None
114	M126	BenPIN	BenPIN				Yes		-	None
115	M127	BenPIN	BenPIN				Yes	 		
116	M128	BenPlN	BenPIN				Yes	44.010.44		None
117	M117A						Yes	** NA **		None



Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physica	Defl RatAnalysis	Inactive	Seismic
118	MP2C						Yes	** NA **	madave	None
119	M119A						Yes	** NA **		None
120	MP3C						Yes	** NA **		None
121	M121A						Yes	** NA **		None
122	M122A						Yes	** NA **		None
123	M123A						Yes	** NA **		None
124	MP2B			LINE			Yes	** NA **	1 13 10	None
125	M125A						Yes	** NA **		None
126	MP3B						Yes	** NA **		None
127	M127A						Yes	** NA **		None
128	M128A						Yes	** NA **		None

Member Point Loads (BLC 1 : Antenna D)

1 MP3C Y -17.6 2 MP3C My .009 3 MP3C Mz 0 4 MP3A Y -23 5 MP3A My 016 6 MP3A Mz 021 7 MP3A Y -23 8 MP3A My 016 9 MP3A Mz 021 10 MP3B Y -23 11 MP3B My .027 12 MP3B Mz .000338 13 MP3B My .027 15 MP3B My .027 15 MP3B Mz .000338 16 MP3C Y -23 17 MP3C My 021 18 MP3C Mz .017 19 MP3C My 021 20 MP3C My 021	Location[ft,%] .25 .25 .25 .25 .25
3 MP3C Mz 0 4 MP3A Y -23 5 MP3A My -,016 6 MP3A Mz -,021 7 MP3A Y -23 8 MP3A My -,016 9 MP3A Mz -,021 10 MP3B Y -23 11 MP3B My .027 12 MP3B Mz .000338 13 MP3B My .027 15 MP3B My .027 15 MP3B Mz .000338 16 MP3C Y -23 17 MP3C My 021 18 MP3C Mz .017 19 MP3C My 021 10 MP3C My 021	.25 .25 .5
4 MP3A Y -23 5 MP3A MV 016 6 MP3A MZ 021 7 MP3A Y -23 8 MP3A MY 016 9 MP3A MZ 021 10 MP3B Y -23 11 MP3B MY .027 12 MP3B MZ .000338 13 MP3B Y -23 14 MP3B MY .027 15 MP3B MZ .000338 16 MP3C Y -23 17 MP3C MV 021 18 MP3C MZ .017 19 MP3C Y -23 20 MP3C MY 021	.25 .5
5 MP3A My 016 6 MP3A Mz 021 7 MP3A Y -23 8 MP3A My 016 9 MP3A Mz 021 10 MP3B Y -23 11 MP3B My .027 12 MP3B Mz .000338 13 MP3B Y -23 14 MP3B My .027 15 MP3B Mz .000338 16 MP3C Y -23 17 MP3C My 021 18 MP3C Mz .017 19 MP3C Y -23 20 MP3C My 021	.5
6 MP3A Mz 021 7 MP3A Y 23 8 MP3A My 016 9 MP3A Mz 021 10 MP3B Y -23 11 MP3B My .027 12 MP3B Mz .000338 13 MP3B Y -23 14 MP3B My .027 15 MP3B Mz .000338 16 MP3C Y -23 17 MP3C My 021 18 MP3C Mz .017 19 MP3C Y -23 20 MP3C My 021	
6 MP3A Mz -,021 7 MP3A Y -23 8 MP3A My -,016 9 MP3A Mz -,021 10 MP3B Y -23 11 MP3B My .027 12 MP3B Mz .000338 13 MP3B Y -23 14 MP3B My .027 15 MP3B Mz .000338 16 MP3C Y -23 17 MP3C My 021 18 MP3C Mz .017 19 MP3C Y -23 20 MP3C My 021	.5
7 MP3A Y -23 8 MP3A My 016 9 MP3A Mz 021 10 MP3B Y -23 11 MP3B My .027 12 MP3B Mz .000338 13 MP3B Y -23 14 MP3B My .027 15 MP3B Mz .000338 16 MP3C Y -23 17 MP3C My 021 18 MP3C Mz .017 19 MP3C Y -23 20 MP3C My 021	.5
8 MP3A My 016 9 MP3A Mz 021 10 MP3B Y -23 11 MP3B My .027 12 MP3B Mz .000338 13 MP3B Y -23 14 MP3B My .027 15 MP3B Mz .000338 16 MP3C Y -23 17 MP3C My 021 18 MP3C Mz .017 19 MP3C Y -23 20 MP3C My 021	5.08
9 MP3A Mz 021 10 MP3B Y -23 11 MP3B My .027 12 MP3B Mz .000338 13 MP3B Y -23 14 MP3B My .027 15 MP3B Mz .000338 16 MP3C Y -23 17 MP3C My 021 18 MP3C Mz .017 19 MP3C Y -23 20 MP3C My 021	5.08
10 MP3B Y -23 11 MP3B My .027 12 MP3B Mz .000338 13 MP3B Y -23 14 MP3B My .027 15 MP3B Mz .000338 16 MP3C Y -23 17 MP3C My 021 18 MP3C Mz .017 19 MP3C Y -23 20 MP3C My 021	5.08
11 MP3B My .027 12 MP3B Mz .000338 13 MP3B Y -23 14 MP3B My .027 15 MP3B Mz .000338 16 MP3C Y -23 17 MP3C Mv 021 18 MP3C Mz .017 19 MP3C Y -23 20 MP3C My 021	.5
12 MP3B Mz .000338 13 MP3B Y -23 14 MP3B My .027 15 MP3B Mz .000338 16 MP3C Y -23 17 MP3C My 021 18 MP3C Mz .017 19 MP3C Y -23 20 MP3C My 021	.5
13 MP3B Y -23 14 MP3B My .027 15 MP3B Mz .000338 16 MP3C Y -23 17 MP3C My 021 18 MP3C Mz .017 19 MP3C Y -23 20 MP3C My 021	.5
14 MP3B My .027 15 MP3B Mz .000338 16 MP3C Y -23 17 MP3C My 021 18 MP3C Mz .017 19 MP3C Y -23 20 MP3C My 021	5.08
15 MP3B Mz .000338 16 MP3C Y -23 17 MP3C Mv 021 18 MP3C Mz .017 19 MP3C Y -23 20 MP3C My 021	5.08
16 MP3C Y -23 17 MP3C My 021 18 MP3C Mz .017 19 MP3C Y -23 20 MP3C My 021	5.08
17 MP3C Mv 021 18 MP3C Mz .017 19 MP3C Y -23 20 MP3C My 021	.5
18 MP3C Mz .017 19 MP3C Y -23 20 MP3C My 021	.5
19 MP3C Y -23 20 MP3C My021	.5
20 MP3C My021	5.08
	5.08
	5.08
22 MP3A Y -23	.5
23 MP3A My .016	.5
24 MP3A Mz021	.5
25 MP3A Y -23	5.08
26 MP3A My .016	5.08
27 MP3A Mz021	5.08
28 MP3B Y -23	.5
29 MP3B My .005	.5
30 MP3B Mz .027	.5
31 MP3B Y -23	5.08
32 MP3B My .005	5.08
33 MP3B Mz .027	5.08
34 MP3C Y -23	.5
35 MP3C My021	.5
36 MP3C Mz017	.5
37 MP3C Y -23	5.08
38 MP3C My021	5.08
39 MP3C Mz017	- J.UÖ
40 MP1A Y -43.55	
41 MP1A My 0	5.08 1.79

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
42	MP1A	Mz	022	1.79
13	MP1A	Y	-43.55	3.79
14	MP1A	My	0	3.79
45	MP1A	Mz	022	3.79
46	MP1B	Y	-43.55	1.79
47	MP1B	Mv	.017	1.79
48	MP1B	Mz	.014	1.79
49	MP1B	Y	-43.55	3.79
50	MP1B	Mv	.017	3.79
	MP1B	Mz	.014	3.79
51	MP1C	Y	-43.55	1.79
52	MP1C	Mv	022	1.79
53	MP1C	Mz	0	1.79
54	MP1C MP1C	Y	-43.55	3.79
55		My	022	3.79
56	MP1C	MZ	0	3.79
57	MP1C	Y	-84.4	2.79
58	MP2A	My	0	2.79
59	MP2A	Mz	.042	2.79
60	MP2A	Y	-84.4	2.79
61	MP2B	My	032	2.79
62	MP2B		027	2.79
63	MP2B	Mz Y	-84.4	2.79
64	MP2C		.042	2.79
65	MP2C	My	0	2.79
66	MP2C	Mz		2.79
67	MP3A	Y	-70.3	2.79
68	MP3A	My	0	2.79
69	MP3A	Mz	.035	2.79
70	MP3B	Y	-70.3	
71	MP3B	My	0	2.79 2.79
72	MP3B	Mz	.035	
73	MP3C	Y	-70.3	2.79
74	MP3C	My	0	2.79
75	MP3C	Mz	.035	2.79
76	M100	Y	-32	
77	M100	My	0	
78	M100	Mz	0	distillation 1
79	MP4A	Y	-8.5	.5
80	MP4A	My	.002	.5
81	MP4A	Mz	004	.5
82	MP4A	Y	-8.5	5.08
83	MP4A	My	.002	5.08
84	MP4A	Mz	004	5.08
85	MP4B	Y	-8.5	.5
86	MP4B	My	.002	.5
	MP4B MP4B	Mz	.004	.5
87	MP4B	Y	-8.5	5.08
88		My	.002	5.08
89	MP4B	Mz	.004	5.08
90	MP4B	Y	-8.5	.5
91	MP4C	My	004	.5
92	MP4C	Mz	0	.5
93	MP4C	IVIZ Y	-8.5	5.08
94	MP4C		004	5.08
95	MP4C MP4C	My Mz	004	5.08

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3C	Y	-29.355	.25
2	MP3C	My	.015	.25
3	MP3C	Mz	0	.25
4	MP3A	Y	-127.425	.5
5	MP3A	Mv	09	.5
6	MP3A	Mz	117	.5
7	MP3A	Y	-127.425	5.08
8	MP3A	My	09	5.08
9	MP3A	Mz	-,117	5.08
10	MP3B	Y	-127.425	.5
11	MP3B	My		.5
12	MP3B	Mz	.002	.5
13	MP3B	Y	-127.425	5.08
14	MP3B	My	.151	5.08
15	MP3B	Mz	.002	5.08
16	MP3C	Y	-127.425	.5
17	MP3C	My	117	.5
18	MP3C	Mz	.096	.5
19	MP3C	Y	-127.425	5.08
20	MP3C	My	117	5.08
21	MP3C	Mz	.096	5.08
22	MP3A	Y	-127.425	.5
23	MP3A	My	.09	.5
24	MP3A	Mz	117	.5
25	MP3A	Y	-127.425	5.08
26	МРЗА	My	.09	5.08
27	MP3A	Mz	117	5.08
28	MP3B	Y	-127.425	.5
29	MP3B	My	.028	.5
30	MP3B	Mz	.148	.5
31	MP3B	Y	-127.425	5.08
32	MP3B	My	.028	5.08
33	MP3B	Mz	.148	5.08
34	MP3C	Y	-127.425	.5
35	MP3C	My	117	.5
36	MP3C	Mz	096	.5
37	MP3C	Y	-127.425	5.08
38	MP3C	My	117	5.08
39	MP3C	Mz	096	5.08
40	MP1A	Y	-55.851	1.79
41	MP1A	My	0	1.79
42	MP1A	Mz	028	1.79
43	MP1A	Y	-55.851	3.79
44	MP1A	My	0	3.79
45	MP1A	Mz	028	3.79
46	MP1B	Y	-55.851	1.79
17	MP1B	Mv	.021	1.79
18	MP1B	Mz	.018	1.79
19	MP1B	Y	-55.851	3.79
50	MP1B	My	.021	3.79
51	MP1B	Mz	.018	3.79
52	MP1C	Y	-55.851	1.79
53	MP1C	Mv	028	1.79
54	MP1C	Mz	0	1.79
55	MP1C	Y	-55.851	3.79
56	MP1C	My	028	3.79
57	MP1C	Mz	0	3.79



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

	Point Loads (BLC 2 : A Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	Y	-70.969	2.79
59	MP2A	Mv	0	2.79
	MP2A	Mz	.035	2.79
60	MP2B	Y	-70.969	2.79
61	MP2B	My	027	2.79
62	MP2B	Mz	023	2.79
63	MP2C	Y	-70.969	2.79
64	MP2C	My	.035	2.79
65	MP2C	Mz	0	2.79
66	MP3A	Y	-64.069	2.79
67	MP3A	My	0	2.79
68	MP3A	Mz	.032	2.79
69	MP3B	Y	-64.069	2.79
70	MP3B MP3B	Mv	0	2.79
71	MP3B	Mz	.032	2.79
72	MP3C	Y	-64.069	2.79
73	MP3C	My	0	2.79
74	MP3C	Mz	.032	2.79
75	M100	Y	-118.541	1
76	M100	Mv	0	1
77	M100	Mz	0	1
78	MP4A	Y	-81.323	.5
79	MP4A	Mv	.02	.5
80	MP4A	Mz	035	.5
81	MP4A MP4A	Y	-81.323	5.08
82	MP4A	Mv	.02	5.08
83	MP4A	Mz	035	5.08
84	MP4B	Y	-81.323	.5
85	MP4B MP4B	My	.02	.5
86	MP4B	Mz	.035	.5
87	MP4B MP4B	Y	-81.323	5.08
88	MP4B MP4B	My	.02	5.08
89	MP4B MP4B	Mz	.035	5.08
90	MP4C	Y	-81.323	.5
91	MP4C	My	041	.5
92	MP4C MP4C	Mz	0	.5
93	MP4C MP4C	Y	-81.323	5.08
94	MP4C MP4C	My	041	5.08
95 96	MP4C MP4C	Mz	0	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
4	MP3C	X	0	.25
0	MP3C	7	-39.425	.25
2	MP3C	Mx	0	.25
3 4	MP3A	X	0	.5
5	MP3A	Z	-72.69	.5
6	MP3A	Mx	.067	.5
7	MP3A	X	0	5.08
8	MP3A	Z	-72.69	5.08
9	MP3A	Mx	.067	5.08
10	MP3B	X	0	.5
11	MP3B	Z	-87.03	.5
12	MP3B	Mx	001	.5
13	MP3B	X	0	5.08
14	MP3B	Z	-87.03	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP3B	Mx	001	5.08
16	MP3C	X	0	.5
17	MP3C	Z	-97.126	.5
18	MP3C	Mx	073	.5
19	MP3C	X	0	5.08
20	MP3C	Z	-97.126	5.08
21	MP3C	Mx	073	5.08
22	MP3A	X	0	.5
23	MP3A	Z	-72.69	.5
24	MP3A	Mx	.067	.5
25	MP3A	X	0	5.08
26	MP3A	Z	-72.69	5.08
27	MP3A	Mx	.067	5.08
28	MP3B	X	0	.5
29	MP3B	Z	-87.03	.5
30	MP3B	Mx	101	.5
31	MP3B	X	0	5.08
32	MP3B	Z	-87.03	5.08
33	MP3B	Mx	101	5.08
34	MP3C	X	0	.5
35	MP3C	Z	-97.126	.5
36	MP3C	Mx	.073	.5
37	MP3C	X	0	5.08
38	MP3C	Z	-97.126	5.08
39	MP3C	Mx	.073	5.08
40	MP1A	X	0	1.79
41	MP1A	Z	-27.721	1.79
42	MP1A	Mx	.014	1.79
43	MP1A	X	0	3.79
44	MP1A	Z	-27.721	3.79
45	MP1A	Mx	.014	3.79
46	MP1B	X	0	1.79
47	MP1B	Z	-58.689	1.79
48	MP1B	Mx	019	1.79
49	MP1B	X	0	3.79
50	MP1B	Z	-58.689	3.79
51	MP1B	Mx	019	3.79
52	MP1C	X	0	1.79
53	MP1C	Z	-80.493	1.79
54	MP1C	Mx	0	1.79
55	MP1C	X	0	3.79
56	MP1C	Z	-80.493	3.79
57	MP1C	Mx	0	3.79
58	MP2A	X	Ö	2.79
59	MP2A	Z	-42.711	2.79
60	MP2A	Mx	021	2.79
61	MP2B	X	0	2.79
62	MP2B	Z	-55.001	2.79
33	MP2B	Mx	.018	2.79
64	MP2C	X	0	2.79
55	MP2C	Ž	-63.655	2.79
66	MP2C	Mx	0	2.79
67	MP3A	X	0	2.79
38	MP3A	Ž	-34.908	2.79
59	MP3A	Mx	017	2.79
70	MP3B	X	0	2.79
71	MP3B	Ž	-34.908	2.79

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP3B	Mx	017	2.79
73	MP3C	X	0	2.79
74	MP3C	Z	-34.908	2.79
75	MP3C	Mx	017	2.79
76	M100	X	0	
77	M100	Z	-98.974	11
78	M100	Mx	0	1
79	MP4A	X	0	.5
80	MP4A	Z	-102.897	,5
81	MP4A	Mx	.045	.5
82	MP4A	X	0	5.08
83	MP4A	Z	-102.897	5.08
84	MP4A	Mx	.045	5.08
85	MP4B	X	0	.5
86	MP4B	Z	-102.897	.5
87	MP4B	Mx	045	.5
88	MP4B	X	0	5.08
89	MP4B	Z	-102.897	5.08
90	MP4B	Mx	045	5.08
91	MP4C	X	0	.5
92	MP4C	Z	-155.442	<u>,5</u>
93	MP4C	Mx	0	.5
94	MP4C	X	0	5.08
95	MP4C	Z	-155.442	5.08
96	MP4C	Mx	0	5.08

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

577. O N N N			Location[ft,%]
		16.403	.25
	Z	-28.41	.25
	Mx	.008	.25
		39.4	.5
		-68.242	.5
		.035	.5
		39.4	5.08
	Z	-68.242	5.08
	Mx	.035	5.08
		48.194	.5
	7	-83.475	.5
	Mx	.056	.5
		48.194	5.08
		-83.475	5.08
		.056	5.08
		45.508	.5
			.5
			.5
			5.08
			5.08
			5.08
			.5
			.5
		.09	.5
			5.08
			5.08
			5.08
			.5
	Member Label MP3C MP3C MP3C MP3C MP3A MP3A MP3A MP3A MP3A MP3A MP3B MP3B MP3B MP3B MP3B MP3B MP3B MP3C MP3C MP3C MP3C MP3C MP3C MP3C MP3C	Member Label Direction MP3C X MP3C Z MP3C Mx MP3A X MP3A Z MP3A X MP3A X MP3A Mx MP3B X MP3C X MP3C X MP3C X MP3C X MP3A X </td <td>MP3C X 16.403 MP3C Z -28.41 MP3C Mx .008 MP3A X 39.4 MP3A X .035 MP3A X 39.4 MP3A X 39.4 MP3A X 39.4 MP3A X 39.4 MP3A X 48.194 MP3B X 45.508 MP3C <t< td=""></t<></td>	MP3C X 16.403 MP3C Z -28.41 MP3C Mx .008 MP3A X 39.4 MP3A X .035 MP3A X 39.4 MP3A X 39.4 MP3A X 39.4 MP3A X 39.4 MP3A X 48.194 MP3B X 45.508 MP3C <t< td=""></t<>

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

29	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP3B MP3B	Z	-83.475	.5
31	MP3B	Mx	087	.5
32	MP3B	X	48.194	5.08
33	MP3B		-83.475	5.08
34	MP3C	Mx	087	5.08
35	MP3C	X	45.508	.5
36	MP3C	Mx	-78.823	.5
37	MP3C		.017	.5
38	MP3C	X	45.508	5.08
39	MP3C	Mx	-78.823 .017	5.08
40	MP1A	X	20.457	5.08 1. 7 9
41	MP1A	Z	-35.433	
42	MP1A	Mx	.018	1.79 1.79
43	MP1A	X	20.457	3.79
44	MP1A	Z	-35.433	3.79
45	MP1A	Mx	.018	3.79
46	MP1B	X	39.451	1.79
47	MP1B	Z	-68.331	1.79
48	MP1B	Mx	007	1.79
49	MP1B	X	39.451	3.79
50	MP1B	Z	-68.331	3.79
51	MP1B	Mx	007	3.79
52	MP1C	X	33.65	1.79
53	MP1C	Ž	-58.284	1.79
54	MP1C	Mx	017	1.79
55	MP1C	X	33.65	3.79
56	MP1C	Z	-58.284	3.79
57	MP1C	Mx	017	3.79
58	MP2A	X	23.973	2.79
59	MP2A	Z	-41.523	2.79
60	MP2A	Mx	021	2.79
61	MP2B	X	31.512	2.79
62	MP2B	Z	-54.58	2.79
63	MP2B	Mx	.005	2.79
64	MP2C	X	29.21	2.79
65	MP2C	Z	-50.592	2.79
66	MP2C	Mx	.015	2.79
67	MP3A	X	21.047	2.79
68	MP3A	Z	-36.455	2.79
69	MP3A	Mx	018	2.79
70	MP3B	X	21.047	2.79
71	MP3B	Z	-36,455	2.79
72	MP3B	Mx	018	2.79
73	MP3C	X	21.047	2.79
74	MP3C	Z	-36.455	2.79
75	MP3C	Mx Mx	018	2.79
76	M100	X	53.388	1
77	M100	Z	-92.471	1
78	M100	Mx	0	11
79	MP4A	X	42.691	.5
80	MP4A	Z	-73.943	.5
81	MP4A	Mx	.043	.5
82	MP4A	X	42.691	5.08
83	MP4A	Z	-73.943	5.08
84	MP4A	Mx	.043	5.08
85	MP4B	X	68.964	5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
00	MP4B	7	-119.448	.5
86 87	MP4B	Mx	034	.5
	MP4B	X	68.964	5.08
88	MP4B	7	-119.448	5.08
89	MP4B	Mx	034	5.08
90	MP4C	X	68.964	.5
91	MP4C	7	-119.448	.5
92 93	MP4C	Mx	034	.5
	MP4C	X	68.964	5.08
94	MP4C	7	-119.448	5.08
95 96	MP4C	Mx	034	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3C	X	16.944	.25
2	MP3C	Z	-9.783	.25
3	MP3C	Mx	.800.	.25
4	MP3A	X	78.823	.5
5	MP3A	Z	-45.508	.5
6	MP3A	Mx	014	.5
7	MP3A	X	78.823	5.08
8	MP3A	Z	-45.508	5.08
9	MP3A	Mx	014	5.08
10	MP3B	X	81.638	.5
11	MP3B	Z	-47.134	.5
12	MP3B	Mx	.096	.5
13	MP3B	X	81.638	5.08
14	MP3B	Z	-47.134	5.08
15	MP3B	Mx	.096	5.08
16	MP3C	X	68.242	.5
17	MP3C	Z	-39.4	.5
18	MP3C	Mx	092	.5
19	MP3C	X	68.242	5.08
20	MP3C	Z	-39.4	5.08
21	MP3C	Mx	092	5.08
22	MP3A	X	78.823	.5
23	MP3A	Z	-45.508	.5
24	MP3A	Mx	.098	.5
25	MP3A	X	78.823	5.08
26	MP3A	Z	-45.508	5.08
27	MP3A	Mx	.098	5.08
28	MP3B	X	81.638	.5
29	MP3B	Z	-47.134	.5
30	MP3B	Mx	037	.5
31	MP3B	X	81.638	5.08
32	MP3B	Z	-47.134	5.08
33	MP3B	Mx	037	5.08
34	MP3C	X	68.242	.5
35	MP3C	Z	-39.4	.5
36	MP3C	Mx	033	.5
37	MP3C	X	68.242	5.08
38	MP3C	Z	-39.4	5.08
39	MP3C	Mx	033	5.08
40	MP1A	X	58.284	1.79
	MP1A	Z	-33.65	1.79
41	MP1A	Mx	.017	1.79



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

12	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP1A	X	58.284	3.79
44	MP1A	Z	-33.65	3.79
45	MP1A	Mx	.017	3.79
46	MP1B	X	64.363	1.79
47	MP1B	Z	-37.16	1.79
48	MP1B	Mx	.013	1.79
49	MP1B	X	64.363	3.79
50	MP1B	Z	-37.16	3.79
51	MP1B	Mx	.013	3.79
52	MP1C	X	35.433	1.79
53	MP1C	Z	-20.457	1.79
54	MP1C	Mx	018	1.79
55	MP1C	a X	35.433	3.79
56	MP1C	Z	-20.457	3.79
57	MP1C	Mx	018	3.79
58	MP2A	X	50.592	2.79
59	MP2A	Z	-29.21	2.79
60	MP2A	Mx	015	2.79
61	MP2B	X	53.005	2.79
62	MP2B	Z	-30.603	2.79
63	MP2B	Mx	01	2.79
64	MP2C	X	41.523	2.79
65	MP2C	Z	-23.973	2.79
66	MP2C	Mx	.021	2.79
67	MP3A	X	48.903	2.79
68	MP3A	Z	-28.234	2.79
69	MP3A	Mx	014	2.79
70	MP3B	X	48.903	2.79
71	MP3B	Z	-28.234	2.79
72	MP3B	Mx	014	2.79
73	MP3C	X	48.903	2.79
74	MP3C	Z	-28.234	2,79
75	MP3C	Mx	014	2.79
76	M100	X	105.986	1
77	M100	Z	-61,191	1
78	M100	Mx	0	1
79	MP4A	X	89.112	.5
80	MP4A	Z	-51.449	.5
81	MP4A	Mx	.045	.5
82	MP4A	X	89.112	5.08
83	MP4A	Z	-51.449	5.08
84	MP4A	Mx	.045	5.08
85	MP4B	X	134.617	
86	MP4B	Z	-77.721	.5 .5
87	MP4B	Mx	0	5 5
88	MP4B	X	134.617	5.08
89	MP4B	Z	-77.721	5.08
90	MP4B	Mx	-11.121	
91	MP4C		89.112	5.08
92	MP4C	X		.5
93	MP4C MP4C		-51.449	.5
94	MP4C	Mx	045	.5
95	MP4C MP4C	X	89.112	5.08
96	MP4C		-51.449	5.08
30	IVIP4U	Mx	045	5.08

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3C	X	12.945	.25 .25
2	MP3C	Z	0	
3	MP3C	Mx	.006	.25
4	MP3A	X	97.126	.5
5	MP3A	Z	0	.5
6	MP3A	Mx	069	.5
7	MP3A	X	97.126	5.08
8	MP3A	Z	0	5.08
9	MP3A	Mx	069	5.08
0	MP3B	X	82.786	.5
	MP3B	Ž	0	.5
11		Mx	.098	.5
2	MP3B	X	82.786	5.08
3	MP3B	Z	0	5.08
4	MP3B		.098	5.08
5	MP3B	Mx	72.69	.5
6	MP3C	X	0	.5
7	MP3C		067	.5
8	MP3C	Mx		5.08
9	MP3C	X	72.69	5.08
20	MP3C	Z	0	5.08
21	MP3C	Mx	067	
22	MP3A	X	97.126	A. 1.5 5
23	MP3A	Z	0	.5
24	MP3A	Mx	.069	.5
25	MP3A	X	97.126	5.08
26	MP3A	Z	0	5.08
27	MP3A	Mx	.069	5.08
28	MP3B	X	82.786	.5
	MP3B	Z	0	.5
29	MP3B	Mx	.018	.5
30	MP3B	X	82.786	5.08
31		Z	0	5.08
32	MP3B	Mx	.018	5.08
33	MP3B	X	72.69	.5
34	MP3C	Z	0	.5
35	MP3C		067	.5
36	MP3C	Mx	72.69	5.08
37	MP3C	X		5.08
38	MP3C	Z	0	5.08
39	MP3C	Mx	067	1.79
40	MP1A	X	80.493	
11	MP1A	Z	0	1.79
12	MP1A	Mx	0	1.79
43	MP1A	X	80.493	3.79
14	MP1A	Z	0	3.79
45	MP1A	Mx	0	3.79
16	MP1B	X	49.525	1.79
17	MP1B	Z	0	1.79
18	MP1B	Mx	.019	1.79
19	MP1B	X	49.525	3.79
	MP1B	Z	0	3.79
50	MP1B MP1B	Mx	.019	3.79
51		X	27.721	1.79
52	MP1C	Z	0	1.79
53	MP1C	Mx	014	1.79
54	MP1C		27.721	3.79
55	MP1C	X		3.79
56	MP1C	Z	0	3.79
57	MP1C	Mx	014	3.13

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	63.655	2.79
59	MP2A	Z	0	2.79
60	MP2A	Mx	0	2.79
61	MP2B	X	51.364	2.79
62	MP2B	Z	0	2.79
63	MP2B	Mx	02	2.79
64	MP2C	X	42.711	2.79
65	MP2C	Z	0	2.79
66	MP2C	Mx	.021	2.79
67	MP3A	X	63.655	2.79
68	MP3A	Ž	0	2.79
69	MP3A	Mx	0	2.79
70	MP3B	X	63.655	2.79
71	MP3B	Ž	0	2.79
72	MP3B	Mx	Ö	2.79
73	MP3C	X	63.655	2.79
74	MP3C	Z	0	2.79
75	MP3C	Mx	0	2.79
76	M100	X	130.185	1
77	M100	Z	0	1
78	M100	Mx	0	
79	MP4A	X	137.927	.5
80	MP4A	Ž	0	.5
81	MP4A	Mx	.034	.5
82	MP4A	X	137.927	5.08
83	MP4A	Z	0	5.08
84	MP4A	Mx	.034	5.08
85	MP4B	X	137.927	<u> </u>
86	MP4B	Z	0	.5
87	MP4B	Mx	.034	.5
88	MP4B	X	137.927	5.08
89	MP4B	Z	0	5.08
90	MP4B	Mx	.034	5.08
91	MP4C	X	85.382	<u>5.06</u>
92	MP4C	Z	0	.5
93	MP4C	Mx	043	5 .5
94	MP4C	X	85.382	5.08
95	MP4C	Z	0	5.08
96	MP4C	Mx	043	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3C	X	16.944	.25
2	MP3C	Z	9.783	.25
3	MP3C	Mx	.008	.25
4	MP3A	X	78.823	.5
5	MP3A	Z	45.508	.5
6	MP3A	Mx	098	.5
7	MP3A	X	78.823	5.08
8	MP3A	Z	45.508	5.08
9	MP3A	Mx	098	5.08
10	MP3B	X	63.59	.5
11	MP3B	Z	36.714	.5
12	MP3B	Mx	.076	.5
13	MP3B	X	63.59	5.08
14	MP3B	Z	36.714	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP3B	Mx	.076	5.08 .5
16	MP3C	X	68.242	
17	MP3C	Z	39.4	.5 .5
18	MP3C	Mx	033	
19	MP3C	X	68.242	5.08
20	MP3C	Z	39.4	5.08
21	MP3C	Mx	033	5.08
22	MP3A	X	78.823	.5
23	MP3A	Z	45.508	.5
24	MP3A	Mx	.014	.5
25	MP3A	X	78.823	5.08
26	MP3A	Z	45.508	5.08
	MP3A	Mx	.014	5.08
27	MP3B	X	63.59	.5
28	MP3B	Z	36.714	.5
29		Mx	.057	.5
30	MP3B	X	63.59	5.08
31	MP3B	Z	36.714	5.08
32	MP3B	Mx	.057	5.08
33	MP3B	X	68.242	.5
34	MP3C	Z	39.4	.5
35	MP3C		092	.5
36	MP3C	Mx	68.242	5.08
37	MP3C	X		5.08
38	MP3C	Z	39.4	5.08
39	MP3C	Mx	092	1.79
10	MP1A	X	58.284	1.79
11	MP1A	Z	33.65	1.79
12	MP1A	Mx	017	
13	MP1A	X	58.284	3.79
14	MP1A	Z	33.65	3.79
15	MP1A	Mx	017	3.79
16	MP1B	X	25.385	1.79
17	MP1B	Z	14.656	1.79
18	MP1B	Mx	.014	1.79
19	MP1B	X	25.385	3.79
50	MP1B	Z	14.656	3.79
51	MP1B	Mx	.014	3.79
52	MP1C	X	35.433	1.79
53	MP1C	Z	20.457	1.79
54	MP1C	Mx	018	1.79
55	MP1C	X	35.433	3.79
00	MP1C	Z	20.457	3.79
56	MP1C	Mx	018	3.79
57	MP2A	X	50.592	2.79
58		Z	29.21	2.79
59	MP2A	Mx	.015	2.79
30	MP2A	X	37.535	2.79
61	MP2B	Z	21.671	2.79
62	MP2B		021	2.79
63	MP2B	Mx	41.523	2.79
64	MP2C	X	23.973	2.79
65	MP2C	Z	.021	2.79
66	MP2C	Mx		2.79
67	MP3A	X	48.903	2.79
68	MP3A	Z	28.234	
69	MP3A	Mx	.014	2.79
70	MP3B	X	48.903	2.79
71	MP3B	Z	28.234	2.79

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP3B	Mx	.014	2.79
73	MP3C	X	48.903	2.79
74	MP3C	Z	28.234	2.79
75	MP3C	Mx	.014	2.79
76	M100	X	105.986	1 1
77	M100	Z	61.191	1
78	M100	Mx	0	1
79	MP4A	X	134.617	.5
80	MP4A	Z	77.721	.5
81	MP4A	Mx	0	.5
82	MP4A	X	134.617	5.08
83	MP4A	Z	77.721	5.08
84	MP4A	Mx	0	5.08
85	MP4B	X	89.112	.5
86	MP4B	Z	51.449	.5
87	MP4B	Mx	.045	.5
88	MP4B	X	89.112	5.08
89	MP4B	Z	51.449	5.08
90	MP4B	Mx	.045	5.08
91	MP4C	X	89.112	5
92	MP4C	Z	51.449	.5
93	MP4C	Mx	045	.5
94	MP4C	X	89.112	5.08
95	MP4C	Z	51,449	5.08
96	MP4C	Mx	045	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3C	X	16.403	.25
2	MP3C	Z	28.41	.25
3	MP3C	Mx	.008	.25
4	MP3A	X	39.4	.5
5	MP3A	Z	68.242	.5
6	MP3A	Mx	09	.5
7	MP3A	X	39.4	5.08
8	MP3A	Z	68.242	5.08
9	MP3A	Mx	09	5.08
10	MP3B	X	37.774	.5
11	MP3B	Z	65.427	.5
12	MP3B	Mx	.046	.5
13	MP3B	X	37.774	5.08
14	MP3B	Z	65.427	5.08
15	MP3B	Mx	.046	5.08
16	MP3C	X	45.508	.5
17	MP3C	Z	78.823	.5
18	MP3C	Mx	.017	.5
19	MP3C	X	45.508	5.08
20	MP3C	Z	78.823	5.08
21	MP3C	Mx	.017	5.08
22	MP3A	X	39.4	.5
23	MP3A	Z	68.242	.5
24	MP3A	Mx	035	.5
25	MP3A	X	39.4	5.08
26	МРЗА	Ž	68.242	5.08
27	MP3A	Mx	035	5.08
28	MP3B	X	37.774	-5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP3B	Z	65.427	.5
30	MP3B	Mx	.084	5.08
31	MP3B	X	37.774	
32	MP3B	Z	65.427	5.08
33	MP3B	Mx	.084	5.08 .5
34	MP3C	X	45.508	
35	MP3C	Z	78.823	.5
36	MP3C	Mx	101	
37	MP3C	X	45.508	5.08
38	MP3C	Z	78.823	5.08
39	MP3C	Mx	101	5.08
10	MP1A	X	20.457	1.79
11	MP1A	Z	35.433	1.79
2	MP1A	Mx	018	1.79
13	MP1A	X	20.457	3.79
14	MP1A	Z	35.433	3.79
15	MP1A	Mx	018	3.79
6	MP1B	X	16.947	1.79
7	MP1B	Z	29.353	1.79
8	MP1B	Mx	.016	1.79
19	MP1B	X	16.947	3.79
50	MP1B	Z	29,353	3.79
51	MP1B	Mx	.016	3.79
2	MP1C	X	33.65	1.79
53	MP1C	Z	58.284	1.79
54	MP1C	Mx	017	1.79
55	MP1C	X	33.65	3.79
6	MP1C	Z	58.284	3.79
7	MP1C	Mx	017	3.79
58	MP2A	X	23.973	2.79
59	MP2A	Z	41,523	2.79
30	MP2A	Mx	.021	2.79
31	MP2B	X	22.58	2.79
32	MP2B	Z	39.11	2.79
33	MP2B	Mx	021	2.79
64	MP2C	X	29.21	2.79
35	MP2C	Z	50.592	2.79
66	MP2C	Mx	.015	2.79
57	MP3A	X	21.047	2.79
88	MP3A	Z	36,455	2.79
39	MP3A	Mx	.018	2.79
70	MP3B	X	21.047	2.79
71	MP3B	Z	36.455	2.79
2	MP3B	Mx	.018	2.79
73	MP3C	X	21.047	2.79
74	MP3C	Z	36.455	2.79
75	MP3C	Mx	.018	2.79
76	M100	X	53.388	12 - 1- v - v - 1
77	M100	Z	92.471	1
78	M100	Mx	0	
79	MP4A	X	68.964	.5
30	MP4A	Z	119.448	.5
31	MP4A	Mx	034	.5
32	MP4A	X	68.964	5.08
33	MP4A	Z	119.448	5.08
84	MP4A	Mx	034	5.08
85	MP4B	X	42.691	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP4B	Z	73.943	.5
87	MP4B	Mx	.043	.5
88	MP4B	X	42.691	5.08
89	MP4B	Z	73.943	5.08
90	MP4B	Mx	.043	5.08
91	MP4C	X	68.964	.5
92	MP4C	Z	119.448	.5
93	MP4C	Mx	034	.5
94	MP4C	X	68.964	5.08
95	MP4C	Z	119,448	5.08
96	MP4C	Mx	034	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3C	X	0	.25
2	MP3C	Z	39.425	.25
3	MP3C	Mx	0	.25
4	MP3A	X	0	.5
5	MP3A	Z	72.69	.5
6	MP3A	Mx	067	.5
7	MP3A	X	0	5.08
8	MP3A	Z	72.69	5.08
9	MP3A	Mx	067	5.08
10	MP3B	X	0	.5
11	MP3B	Z	87.03	.5
12	MP3B	Mx	.001	.5
13	MP3B	X	0	5.08
14	MP3B	Z	87.03	5.08
15	MP3B	Mx	.001	5.08
16	MP3C	X	0	.5
17	MP3C	Z	97.126	.5
18	MP3C	Mx	.073	.5
19	MP3C	X	0	5.08
20	MP3C	Z	97.126	5.08
21	MP3C	Mx	.073	5.08
22	MP3A	X	0	.5
23	MP3A	Z	72.69	.5
24	MP3A	Mx	067	.5
25	MP3A	X	0	5.08
26	MP3A	Z	72.69	5.08
27	MP3A	Mx	067	5.08
28	MP3B	X	0	.5
29	MP3B	7	87.03	.5
30	MP3B	Mx	.101	.5
31	MP3B	X	0	5.08
32	MP3B	Ž	87.03	5.08
33	MP3B	Mx	.101	5.08
34	MP3C	X	0	.5
35	MP3C	Z	97.126	.5
36	MP3C	Mx	073	.5
37	MP3C	X	073	5.08
38	MP3C	Z	97.126	5.08
39	MP3C	Mx	073	5.08
40	MP1A	X	073	1.79
41	MP1A	Z	27.721	1.79
42	MP1A	Mx	014	1.79



Company Designer Job Number Model Name

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP1A	X	0	3.79
44	MP1A	Z	27.721	3.79
45	MP1A	Mx	014	3.79 1.79
46	MP1B	X	0	
47	MP1B	Z	58.689	1,79
48	MP1B	Mx	.019	1.79
49	MP1B	X	0	3.79
50	MP1B	Z	58.689	3.79
51	MP1B	Mx	.019	3.79
52	MP1C	X	0	1.79
53	MP1C	Z	80,493	1.79
54	MP1C	Mx	0	1.79
55	MP1C	X	0	3.79
56	MP1C	Z	80.493	3.79
57	MP1C	Mx	0	3.79
58	MP2A	X	0	2.79
59	MP2A	Z	42.711	2.79
60	MP2A	Mx	.021	2,79
61	MP2B	X	0	2.79
62	MP2B	Z	55.001	2.79
63	MP2B	Mx	018	2.79
64	MP2C	X	0	2.79
65	MP2C	Z	63.655	2.79
66	MP2C	Mx	0	2.79
67	MP3A	X	0	2.79
68	MP3A	Z	34.908	2.79
69	MP3A	Mx	.017	2.79
70	MP3B	X	0	2.79
71	MP3B	Z	34.908	2.79
72	MP3B	Mx	.017	2.79
73	MP3C	X	0	2.79
74	MP3C	Z	34.908	2.79
75	MP3C	Mx	.017	2.79
76	M100	X	0	1
77	M100	Z	98.974	1
78	M100	Mx	0	1
79	MP4A	X	0	.5
80	MP4A	Z	102.897	.5
81	MP4A	Mx	045	.5
82	MP4A	X	0	5.08
83	MP4A	Z	102.897	5.08
84	MP4A	Mx	045	5.08
85	MP4B	X	0	.5
	MP4B	Z	102.897	.5
86 87	MP4B	Mx	.045	.5
	MP4B	X	0	5.08
88	MP4B MP4B	Z	102.897	5.08
89	MP4B MP4B	Mx	.045	5.08
90	MP4B MP4C	X	0	.5
91	MP4C	Z	155.442	.5
92	MP4C	Mx	0	.5
93	MP4C	X	Ö	5.08
94	MP4C	Z	155.442	5.08
95 96	MP4C MP4C	Mx	0	5.08

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

Member Lebel Direction Magnitude (Ib. k. ft)

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3C	X	-16.403	.25
2	MP3C	Z	28.41	.25
3	MP3C	Mx	008	.25
4	MP3A	X	-39.4	.5
5	MP3A	Z	68.242	.5
7	MP3A	Mx	035	.5
8	MP3A	<u>X</u>	-39.4	5.08
9	MP3A MP3A	Z	68.242	5.08
10	MP3B	Mx.	035	5.08
11	MP3B	X	<u>-48.194</u>	.5
12	MP3B	Mx	83.475 056	.5
13	MP3B	X	056 -48,194	.5
14	MP3B	Z	83.475	5.08 5.08
15	MP3B	Mx	056	5.08
16	MP3C	X	-45.508	.5
17	MP3C	Z	78.823	.5
18	MP3C	Mx	.101	.5
19	MP3C	X	-45.508	5.08
20	MP3C	Z	78.823	5.08
21	MP3C	Mx	.101	5.08
22	MP3A	X	-39.4	.5
23	MP3A	Z	68.242	.5
24	MP3A	Mx	09	.5
25	MP3A	X	-39.4	5.08
26	MP3A	Z	68.242	5.08
27	MP3A	Mx	09	5.08
28	MP3B	X	-48.194	.5
29	MP3B	Z	83.475	.5
30	MP3B	Mx	.087	.5
31	MP3B	X	-48.194	5.08
32	MP3B	Z	83.475	5.08
33	MP3B	Mx	.087	5.08
34	MP3C	X	-45.508	.5
36	MP3C MP3C	Z	78.823	.5
37	MP3C MP3C	Mx	017	.5
38	MP3C	X	-45.508	5.08
39	MP3C	Mx	78.823	5.08
40	MP1A	X	017 -20.457	5.08
41	MP1A	Z	35.433	1.79
42	MP1A	Mx	018	1.79 1.79
43	MP1A			
44	MP1A	X	-20.457 35.433	3.79 3.79
45	MP1A	Mx	018	3.79
46	MP1B	X	-39.451	1.79
47	MP1B	Z	68.331	1.79
48	MP1B	Mx	.007	1.79
49	MP1B	X	-39.451	3.79
50	MP1B	Ž	68.331	3.79
51	MP1B	Mx	.007	3.79
52	MP1C	X	-33.65	1.79
53	MP1C	Z	58.284	1.79
54	MP1C	Mx	.017	1.79
55	MP1C	X	-33.65	3.79
56	MP1C	Z	58.284	3.79
57	MP1C	Mx	.017	3.79



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

Member Labe	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58 MP2A	X	-23.973	2.79
59 MP2A	Z	41.523	2.79
60 MP2A	Mx	.021	2.79
61 MP2B	X	-31.512	2.79
62 MP2B	Z	54.58	2.79
63 MP2B	Mx	005	2.79
64 MP2C	X	-29.21	2.79
65 MP2C	Z	50.592	2.79
66 MP2C	Mx	015	2.79
67 MP3A	X	-21.047	2.79
68 MP3A	Z	36.455	2.79
69 MP3A	Mx	.018	2.79
70 MP3B	X	-21.047	2.79
71 MP3B	Z	36.455	2.79
72 MP3B	Mx	.018	2.79
73 MP3C	X	-21.047	2.79
74 MP3C	Z	36.455	2.79
75 MP3C	Mx	.018	2.79
76 M100	X	-53.388	
77 M100	Z	92.471	1
78 M100	Mx	0	
79 MP4A	X	-42.691	.5
80 MP4A	Z	73.943	.5
81 MP4A	Mx	043	.5
82 MP4A	X	-42.691	5.08
83 MP4A	Z	73.943	5.08
84 MP4A	Mx	043	5.08
85 MP4B	X	-68.964	.5
86 MP4B	Z	119.448	.5
87 MP4B	Mx	.034	.5
88 MP4B	X	-68.964	5.08
89 MP4B	Z	119.448	5.08
90 MP4B	Mx	.034	5.08
91 MP4C	X	-68.964	.5
92 MP4C	Z	119.448	.5
93 MP4C	Mx	.034	.5
94 MP4C	X	-68.964	5.08
95 MP4C	Z	119.448	5.08
96 MP4C	Mx	.034	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
1	MP3C	X	-16.944	.25
2	MP3C	Z	9.783	.25
	MP3C	Mx	008	.25
4	MP3A	X	-78.823	.5
5	MP3A	Z	45.508	.5
6	MP3A	Mx	.014	.5
7	MP3A	X	-78.823	5.08
3	MP3A	Z	45.508	5.08
9	MP3A	Mx	.014	5.08
	MP3B	X	-81.638	.5
0	MP3B	7	47.134	.5
2	MP3B	Mx	096	.5
	MP3B	X	-81.638	5.08
3 4	MP3B	Z	47.134	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP3B	Mx	096	5.08
16	MP3C	X	-68.242	.5
17	MP3C	Z	39.4	.5
18	MP3C	Mx	.092	.5
19	MP3C	X	-68.242	5.08
20	MP3C	Z	39.4	5.08
21	MP3C	Mx	.092	5.08
22	MP3A	X	-78.823	.5
23	MP3A	Z	45.508	.5
24	MP3A	Mx	098	.5
25	MP3A	X	-78.823	5.08
26	MP3A	Z	45.508	5.08
27	MP3A	Mx	098	5.08
28	MP3B	X	-81.638	.5
29	MP3B	Z	47.134	.5
30	MP3B	Mx	.037	.5
31	MP3B	X	-81.638	5.08
32	MP3B	Z	47.134	5.08
33	MP3B	Mx	.037	5.08
34	MP3C	X	-68.242	.5
35	MP3C	Z	39.4	.5
36	MP3C	Mx	.033	.5
37	MP3C	X	-68.242	5.08
38	MP3C	Z	39.4	5.08
39	MP3C	Mx	.033	5.08
40	MP1A	X	-58.284	1.79
41	MP1A	Z	33.65	1.79
42	MP1A	Mx	017	1.79
43	MP1A	X	-58.284	3.79
44	MP1A	Z	33.65	3.79
45	MP1A	Mx	017	3.79
46	MP1B	X	-64.363	1.79
47	MP1B	Z	37.16	1.79
48	MP1B	Mx	013	1.79
49	MP1B		-64.363	3.79
50	MP1B	X	37.16	3.79
51	MP1B	Mx	013	3.79
52	MP1C	X	-35.433	1.79
53	MP1C	Z	20.457	1.79
54	MP1C	Mx	.018	1.79
55	MP1C	X	-35.433	3.79
56	MP1C	Z	20.457	3.79
57	MP1C	Mx	.018	3.79
58	MP2A	X	-50.592	2.79
59	MP2A	Z	29.21	2.79
60	MP2A	Mx	.015	2.79
31	MP2B	X	-53.005	2.79
32	MP2B	Z	30.603	2.79
33	MP2B	Mx	.01	2.79
64	MP2C	X	-41.523	2.79
35	MP2C	Z	23.973	2.79
66	MP2C	Mx	021	2.79
67	MP3A	X	-48.903	2.79
68	MP3A	Z	28.234	2.79
69	MP3A	Mx	.014	2.79
70	MP3B	X	-48.903	2.79
71	MP3B	Z	28.234	2.79



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP3B	Mx	.014	2.79
73	MP3C	X	-48.903	2.79
74	MP3C	Z	28.234	2.79
75	MP3C	Mx	.014	2.79
76	M100	X	-105.986	1
77	M100	Z	61.191	1
78	M100	Mx	0	
79	MP4A	X	-89.112	.5
80	MP4A	Z	51.449	.5
81	MP4A	Mx	045	.5
82	MP4A	X	-89.112	5.08
83	MP4A	Z	51.449	5.08
84	MP4A	Mx	045	5.08
85	MP4B	X	-134.617	.5
86	MP4B	Z	77.721	.5
87	MP4B	Mx	0	.5
88	MP4B	X	-134.617	5.08
89	MP4B	Z	77.721	5.08
90	MP4B	Mx	0	5.08
91	MP4C	X	-89.112	.5
92	MP4C	Z	51.449	.5
93	MP4C	Mx	.045	.5
94	MP4C	X	-89.112	5.08
95	MP4C	Z	51.449	5.08
96	MP4C	Mx	.045	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1 1	MP3C	X	-12.945	.25
2	MP3C	Z	0	.25
3	MP3C	Mx	006	.25
4	MP3A	X	-97.126	.5
5	MP3A	Z	0	.5
6	MP3A	Mx	.069	.5
7	MP3A	X	-97.126	5.08
8	MP3A	7	0	5.08
9	MP3A	Mx	.069	5.08
10	MP3B	X	-82.786	.5
11	MP3B	7	0	.5
12	MP3B	Mx	098	.5
13	MP3B	X	-82.786	5.08
	MP3B	7	0	5.08
14	MP3B	Mx	098	5.08
15	MP3C	X	-72.69	.5
16	MP3C	Z	0	.5
17	MP3C	Mx	.067	.5
18	MP3C	X	-72.69	5.08
19	MP3C	7.	0	5.08
20		Mx	.067	5.08
21	MP3C	X	-97.126	.5
22	MP3A	7	0	.5
23	MP3A	Mx	069	.5
24	MP3A	X	-97.126	5.08
25	MP3A	7	-57:120	5.08
26	MP3A	Mx	069	5.08
27	MP3A	X	-82.786	.5
28	MP3B	^	-52.700	

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP3B	Z	0	.5
30	MP3B	Mx	018	.5
31	MP3B	X	-82.786	5.08
32	MP3B	Z	0	5.08
33	MP3B	Mx	018	5.08
34	MP3C	X	-72.69	.5
35	MP3C	Z	0	.5
36	MP3C	Mx	.067	.5
37	MP3C	X	-72.69	5.08
38	MP3C	Z	0	5.08
39	MP3C	Mx	.067	5.08
40	MP1A	X	-80.493	1.79
41	MP1A	Z	0	1.79
42	MP1A	Mx	0	1.79
43	MP1A	X	-80.493	3.79
44	MP1A	Z	0	3.79
45	MP1A	Mx	0	3.79
46	MP1B	X	-49.525	1.79
47	MP1B	Z	0	1.79
48	MP1B	Mx	019	1.79
49	MP1B	X	-49.525	3.79
50	MP1B	Z	0	3.79
51	MP1B	Mx	019	3.79
52	MP1C	X	-27.721	1.79
53	MP1C	Z	0	1.79
54	MP1C	Mx	.014	1.79
55	MP1C	X	-27.721	3.79
56	MP1C	Z	0	3.79
57	MP1C	Mx	.014	3.79
58	MP2A	X	-63.655	2.79
59	MP2A	Z	0	2.79
60	MP2A	Mx	0	2.79
61	MP2B	X	-51.364	2.79
62	MP2B	Z	0	2.79
63	MP2B	Mx	.02	2.79
64	MP2C	X	-42.711	2.79
35	MP2C	Z	0	2.79
36	MP2C	Mx	021	2.79
37	MP3A	X	-63.655	2.79
88	MP3A	Z	0	2.79
69	MP3A	Mx	0	2.79
70	MP3B	X	-63.655	2.79
71	MP3B	Z	0	2.79
72	MP3B	Mx	0	2.79
73	MP3C	X	-63.655	2.79
74	MP3C	Ž	0	2.79
75	MP3C	Mx	0	2.79
76	M100	X	-130.185	2.13
7	M100	Z	0	
8	M100	Mx	0	
79	MP4A	X	-137.927	.5
30	MP4A	Ž	0	.5
31	MP4A	Mx	034	.5
32	MP4A	X	-137.927	5.08
33	MP4A	Z	0	5.08
34	MP4A	Mx	034	5.08
35	MP4B	X	-137.927	.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
06	MP4B	7	0	.5
86 87	MP4B	Mx	034	.5
88	MP4B	X	-137.927	5.08
89	MP4B	Z	0	5.08
90	MP4B	Mx	034	5.08
91	MP4C	X	-85.382	.5
92	MP4C	Z	0	.5
93	MP4C	Mx	.043	.5
94	MP4C	X	-85.382	5.08
95	MP4C	Z	0	5.08
96	MP4C	Mx	.043	5,08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3C	X	-16.944	.25
2	MP3C	Z	-9.783	.25
3	MP3C	Mx	008	.25
4	MP3A	X	-78.823	.5
5	MP3A	Z	-45.508	.5
6	MP3A	Mx	.098	.5
7	MP3A	X	-78.823	5.08
8	MP3A	Z	-45.508	5.08
9	MP3A	Mx	.098	5.08
10	MP3B	X	-63.59	.5
11	MP3B	Z	-36.714	.5
12	MP3B	Mx	076	.5
13	MP3B	X	-63.59	5.08
14	MP3B	Z	-36.714	5.08
15	MP3B	Mx	076	5.08
16	MP3C	X	-68.242	.5
17	MP3C	Z	-39.4	.5
18	MP3C	Mx	.033	.5
19	MP3C	X	-68.242	5.08
20	MP3C	Z	-39.4	5.08
21	MP3C	Mx	.033	5.08
22	MP3A	X	-78.823	.5
23	MP3A	Z	-45.508	.5
24	MP3A	Mx	014	.5
25	MP3A	X	-78.823	5.08
26	MP3A	Z	-45.508	5.08
27	MP3A	Mx	014	5.08
28	MP3B	X	-63.59	.5
29	MP3B	Z	-36.714	.5
30	MP3B	Mx	057	.5
31	MP3B	X	-63.59	5.08
32	MP3B	Z	-36.714	5.08
33	MP3B	Mx	057	5.08
34	MP3C	X	-68.242	.5
35	MP3C	Z	-39.4	.5
36	MP3C	Mx	.092	.5
37	MP3C	X	-68.242	5.08
38	MP3C	Z	-39.4	5.08
39	MP3C	Mx	.092	5.08
40	MP1A	X	-58.284	1.79
41	MP1A	Z	-33.65	1.79
42	MP1A	Mx	.017	1.79



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP1A	X	-58.284	3.79
44	MP1A	Z	-33.65	3.79
45	MP1A	Mx	.017	3.79
46	MP1B	X	-25.385	1.79
47	MP1B	Z	-14.656	1.79
48	MP1B	Mx	014	1.79
49	MP1B	X	-25.385	3.79
50	MP1B	Z	-14.656	3.79
51	MP1B	Mx	014	3.79
52	MP1C	X	-35.433	1.79
53	MP1C	Z	-20.457	1.79
54	MP1C	Mx	.018	1.79
55	MP1C	X	-35.433	3.79
56	MP1C	Z	-20.457	3.79
57	MP1C	Mx	.018	3.79
58	MP2A	X	-50.592	2.79
59	MP2A	Z	-29.21	2.79
60	MP2A	Mx	015	2.79
61	MP2B	X	-37.535	2.79
62	MP2B	Z	-21.671	2.79
63	MP2B	Mx	.021	2.79
64	MP2C	X	-41.523	2.79
65	MP2C	Z	-23.973	2.79
66	MP2C	Mx	021	2.79
67	MP3A	X	-48.903	2.79
68	MP3A	Z	-28.234	2.79
69	MP3A	Mx	014	2.79
70	MP3B	X	-48.903	2.79
71	MP3B	Z	-28.234	2.79
72	MP3B	Mx	014	2.79
73	MP3C	X	-48.903	2.79
74	MP3C	Z	-28.234	2.79
75	MP3C	Mx	014	2.79
76	M100	X	-105.986	1
77	M100	Z	-61.191	1
78	M100	Mx	0	
79	MP4A	X	-134.617	.5
80	MP4A	Z	-77.721	.5
81	MP4A	Mx	0	.5
82	MP4A	X	-134.617	5.08
83	MP4A	Z	-77.721	5.08
84	MP4A	Mx	0	5.08
85	MP4B	X	-89.112	.5
86	MP4B	Z	-51.449	.5
87	MP4B	Mx	045	.5
88	MP4B	X	-89.112	5.08
89	MP4B	Z	-51.449	5.08
90	MP4B	Mx	045	5.08
91	MP4C	X	-89.112	.5
92	MP4C	Z	-51.449	.5
93	MP4C	Mx	.045	.5
94	MP4C	X	-89.112	5.08
95	MP4C	Z	-51.449	5.08
96	MP4C	Mx	.045	5.08

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

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

	Point Loads (BLC 14 : Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3C	X	-16.403	.25
2	MP3C	Z	-28.41	.25
3	MP3C	Mx	008	.25
4	MP3A	X	-39.4	.5
5	MP3A	Z	-68.242	.5
6	MP3A	Mx	.09	.5
7	MP3A	X	-39.4	5.08
8	MP3A	Z	-68.242	5.08
9	MP3A	Mx	.09	5.08
10	MP3B	X	-37.774	.5
11	MP3B	Z.	-65.427	.5
12	MP3B	Mx	046	.5
13	MP3B	X	-37.774	5.08
14	MP3B	Z	-65.427	5.08
15	MP3B	Mx	046	5.08
16	MP3C	X	-45.508	.5
17	MP3C	Z	-78.823	.5
18	MP3C	Mx	017	.5
19	MP3C	X	-45.508	5.08
20	MP3C	Z	-78.823	5.08
21	MP3C	Mx	017	5.08
22	MP3A	X	-39.4	.5
23	MP3A	Z	-68.242	.5
24	MP3A	Mx	.035	.5
25	MP3A	X	-39.4	5.08
26	MP3A	Z	-68.242	5.08
27	MP3A	Mx	.035	5.08
28	MP3B	X	-37.774	.5
29	MP3B	Z	-65.427	.5
30	MP3B	Mx	084	.5
31	MP3B	X	-37.774	5.08
32	MP3B	Z	-65.427	5.08
33	MP3B	Mx	084	5.08
34	MP3C	X	-45.508	.5
35	MP3C	Z	-78.823	.5
36	MP3C	Mx	.101	.5
37	MP3C	X	-45.508	5.08
38	MP3C	Z	-78.823	5.08
39	MP3C	Mx	.101	5.08
40	MP1A	X	-20.457	1.79
41	MP1A	Z	-35.433	1.79
42	MP1A	Mx	.018	1.79
43	MP1A	X	-20.457	3.79
	MP1A	Z	-35.433	3.79
44	MP1A	Mx	.018	3.79
45	MP1B	X	-16.947	1.79
46	MP1B	Z	-29.353	1.79
47	MP1B	Mx	016	1.79
48	MP1B	X	-16.947	3.79
49	MP1B	Ž	-29.353	3.79
50		Mx	016	3.79
51	MP1B MP1C	X	-33.65	1.79
52	MP1C	Z	-58.284	1.79
53	MP1C	Mx	.017	1.79
54	MP1C	X	-33.65	3.79
55	MP1C	Z	-58.284	3.79
<u>56</u> 57	MP1C MP1C	Mx	.017	3.79



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	-23.973	2.79
59	MP2A	Z	-41.523	2.79
60	MP2A	Mx	021	2.79
61	MP2B	X	-22.58	2.79
62	MP2B	Z	-39.11	2.79
63	MP2B	Mx	.021	2.79
64	MP2C	X	-29.21	2.79
65	MP2C	Z	-50.592	2.79
66	MP2C	Mx	015	2.79
67	MP3A	X	-21.047	2.79
68	MP3A	Z	-36.455	2.79
69	MP3A	Mx	018	2.79
70	MP3B	X	-21.047	2.79
71	MP3B	Z	-36.455	2.79
72	MP3B	Mx	018	2.79
73	MP3C	X	-21.047	2.79
74	MP3C	Z	-36.455	2.79
75	MP3C	Mx	018	2.79
76	M100	X	-53.388	2.79
77	M100	Z	-92.471	1
78	M100	Mx	0	
79	MP4A	X	-68.964	.5
80	MP4A	Z	-119.448	.5
81	MP4A	Mx	.034	.5
82	MP4A	X	-68.964	5.08
83	MP4A	Z	-119.448	5.08
84	MP4A	Mx	.034	5.08
85	MP4B	X	-42.691	.5
86	MP4B	Ž	-73.943	.5
87	MP4B	Mx	043	.5
88	MP4B	X	-42.691	5.08
89	MP4B	Z	-73.943	5.08
90	MP4B	Mx	043	5.08
91	MP4C	X	-68.964	.5
92	MP4C	Z	-119.448	.5
93	MP4C	Mx	.034	5 .5
94	MP4C	X	-68.964	5.08
95	MP4C	Z	-119.448	5.08
96	MP4C	Mx	.034	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3C	X	0	.25
2	MP3C	Z	-9.992	.25
3	MP3C	Mx	0	.25
4	MP3A	X	0	.5
5	MP3A	Z	-31.045	.5
6	MP3A	Mx	.028	.5
7	MP3A	X	0	5.08
8	MP3A	7	-31.045	5.08
9	MP3A	Mx	.028	5.08
10	MP3B	X	0	.5
11	MP3B	7	-36.695	.5
12	MP3B	Mx	000539	.5
13	MP3B	X	0	5.08
14	MP3B	Z	-36.695	5.08

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

	oint Loads (BLC 15 : A	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP3B	Mx	000539	5.08
16	MP3C	X	0	,5
17	MP3C	Z	-40.673	.5
18	MP3C	Mx	031	.5
19	MP3C	X	0	5.08
20	MP3C	Z	-40.673	5.08
21	MP3C	Mx	031	5.08
22	MP3A	X	0	.5
23	MP3A	Z	-31.045	.5
24	MP3A	Mx	.028	.5
25	MP3A	X	0	5.08
26	MP3A	Z	-31.045	5.08
27	MP3A	Mx	.028	5.08
28	MP3B	X	0	.5
29	MP3B	Z	-36.695	.5
30	MP3B	Mx	043	.5
31	MP3B	X	0	5.08
32	MP3B	Z	-36.695	5.08
33	MP3B	Mx	043	5.08
34	MP3C	X	0	.5
35	MP3C	Z	-40.673	.5
36	MP3C	Mx	.031	.5
37	MP3C	X	0	5.08
38	MP3C	Z	-40.673	5.08
39	MP3C	Mx	.031	5.08
40	MP1A	X	0	1.79
41	MP1A	Z	-9.037	1.79
42	MP1A	Mx	.005	1.79
43	MP1A	X	0	3.79
44	MP1A	Z	-9.037	3.79
45	MP1A	Mx	.005	3.79
46	MP1B	X	0	1.79
47	MP1B	Z	-15.688	1.79
48	MP1B	Mx	005	1.79
49	MP1B	X	0	3.79
50	MP1B	Z	-15.688	3.79
51	MP1B	Mx	005	3.79
52	MP1C	X	0	1.79
53	MP1C	Z	-20.371	1.79
54	MP1C	Mx	0	1.79
55	MP1C	X	0	3.79
56	MP1C	Z	-20.371	3.79
57	MP1C	Mx	0	3.79
58	MP2A	X	0	2.79
59	MP2A	Z	-12.497	2.79
60	MP2A	Mx	006	2.79
61	MP2B	X	0	2.79
62	MP2B	Z	-15.511	2.79
63	MP2B	Mx	.005	2.79
64	MP2C	X	0	2.79
	MP2C	Z	-17.633	2.79
65	MP2C	Mx	0	2.79
66	MP3A	X	0	2.79
67	MP3A	Z	-10.546	2.79
68		Mx	005	2.79
69	MP3A	X	0	2.79
70 71	MP3B MP3B	Z	-10.546	2.79

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP3B	Mx	005	2.79
73	MP3C	X	0	2.79
74	MP3C	Z	-10.546	2.79
75	MP3C	Mx	005	2.79
76	M100	X	0	PARKET 1 TAGE
77	M100	Z	-23,135	1
78	M100	Mx	0	1
79	MP4A	X	Ö	.5
80	MP4A	Z	-22,427	.5
81	MP4A	Mx	.01	.5
82	MP4A	X	0	5.08
83	MP4A	Z	-22.427	5.08
84	MP4A	Mx	.01	5.08
85	MP4B	X	0	.5
86	MP4B	Z	-22.427	.5
87	MP4B	Mx	01	.5
88	MP4B	X	0	5.08
89	MP4B	Z	-22,427	5.08
90	MP4B	Mx	01	5.08
91	MP4C	X	0	.5
92	MP4C	Z	-31.922	.5
93	MP4C	Mx	0	.5
94	MP4C	X	Ö	5.08
95	MP4C	Z	-31.922	5.08
96	MP4C	Mx	0	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3C	X	4.292	.25
2	MP3C	Z	-7.434	.25
3	MP3C	Mx	.002	.25
4	MP3A	X	16.726	.5
5	MP3A	Z	-28.97	.5
6	MP3A	Mx	.015	.5
7	MP3A	X	16.726	5.08
8	MP3A	Z	-28.97	5.08
9	MP3A	Mx	.015	5.08
10	MP3B	X	20.191	.5
11	MP3B	Z	-34.973	.5
12	MP3B	Mx	.023	.5
13	MP3B	X	20.191	5.08
14	MP3B	Z	-34.973	5.08
15	MP3B	Mx	.023	5.08
16	MP3C	X	19.133	.5
17	MP3C	Z	-33.139	.5
18	MP3C	Mx	042	.5
19	MP3C	X	19.133	5.08
20	MP3C	Z	-33.139	5.08
21	MP3C	Mx	042	5.08
22	MP3A	X	16.726	.5
23	MP3A	Z	-28.97	.5
24	MP3A	Mx	.038	.5
25	MP3A	X	16.726	5.08
26	мрза	Z	-28.97	5.08
27	MP3A	Mx	.038	5.08
28	MP3B	X	20.191	.5

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

	ber Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
	ИРЗВ	Z	-34.973	.5
	MР3В	Mx	036 20.191	5.08
	<u>МРЗВ</u>	X		5.08
	ИРЗВ	Z	-34.973	5.08
	<u>ИРЗВ</u>	Mx	036 19.133	3.08
	MP3C	X		.5
	MP3C	Z	-33.139 .007	.5
	MP3C	Mx		5.08
	MP3C	X	19.133	5.08
	MP3C	Z	-33.139 .007	5.08
	MP3C	Mx	5.935	1.79
	MP1A	X	-10.28	1.79
	MP1A	Z	.005	1.79
	MP1A	Mx	5.935	3.79
	MP1A	X	-10.28	3.79
	MP1A		.005	3.79
	MP1A	Mx	10.015	1.79
	MP1B	X	-17.346	1.79
	MP1B		002	1.79
	MP1B	Mx	10.015	3.79
	MP1B	X	-17.346	3.79
	MP1B	Z	002	3.79
	MP1B	Mx	8.769	1.79
	MP1C	X	-15.188	1.79
	MP1C	Z		1.79
	MP1C	Mx	004 8.769	3.79
	MP1C	X	-15.188	3.79
	MP1C	Z	004	3.79
	MP1C	Mx	6.891	2.79
	MP2A	X	-11.935	2.79
	MP2A	Z	006	2.79
	MP2A	Mx	8.739	2.79
	MP2B	X	-15.136	2.79
	MP2B	Z	.002	2.79
	MP2B	Mx	8.174	2.79
	MP2C	X	-14.158	2.79
	MP2C	Z	.004	2.79
	MP2C	Mx	6.159	2.79
	MP3A	X	-10.667	2.79
	MP3A		005	2.79
	MP3A	Mx	6.159	2.79
	ИРЗВ	X	-10.667	2.79
	MP3B	Z	005	2.79
	MP3B	Mx	6.159	2.79
	MP3C	X	-10.667	2.79
	MP3C		005	2.79
	MP3C	Mx	12.828	1
	M100	X	-22.218	1
	M100	Z	-22.210	
	M100	Mx ×	9.631	.5
	MP4A	X	-16.681	.5
	MP4A	Z	.01	.5
	MP4A	Mx	9.631	5.08
	MP4A	X		5.08
	MP4A	Z	-16.681 .01	5.08
	MP4A	Mx	14.379	5.06
85	MP4B	X	14.5/8	

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP4B	Z	-24.904	.5
87	MP4B	Mx	007	-5
88	MP4B	X	14.379	5.08
89	MP4B	Z	-24.904	5.08
90	MP4B	Mx	007	5.08
91	MP4C	X	14.379	.5
92	MP4C	Z	-24.904	.5
93	MP4C	Mx	007	.5
94	MP4C	X	14.379	5.08
95	MP4C	Z	-24.904	5.08
96	MP4C	Mx	007	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3C	X	4.995	.25
2	MP3C	Z	-2.884	.25
3	MP3C	Mx	.002	.25
4	MP3A	X	33.139	.5
5	MP3A	Z	-19.133	.5
6	MP3A	Mx	006	.5
7	MP3A	X	33.139	5.08
8	MP3A	Z	-19.133	5.08
9	MP3A	Mx	006	5.08
10	MP3B	X	34.249	.5
11	MP3B	Z	-19.773	.5
12	MP3B	Mx	.04	.5
13	MP3B	X	34.249	5.08
14	MP3B	Z	-19.773	5.08
15	MP3B	Mx	.04	5.08
16	MP3C	X	28.97	.5
17	MP3C	Z	-16.726	.5
18	MP3C	Mx	039	.5
19	MP3C	X	28.97	5.08
20	MP3C	Z	-16.726	5.08
21	MP3C	Mx	039	5.08
22	MP3A	X	33.139	.5
23	MP3A	Z	-19.133	.5
24	MP3A	Mx	.041	.5
25	MP3A	X	33.139	5.08
26	MP3A	Z	-19.133	5.08
27	MP3A	Mx	.041	5.08
28	MP3B	X	34.249	.5
29	MP3B	Z	-19.773	.5
30	MP3B	Mx	015	.5
31	MP3B	X	34.249	5.08
32	MP3B	Z	-19.773	5.08
33	MP3B	Mx	015	5.08
34	MP3C	X	28.97	.5
35	MP3C	Z	-16.726	.5
36	MP3C	Mx	014	.5
37	MP3C	X	28.97	5.08
38	MP3C	Ž	-16,726	5.08
39	MP3C	Mx	014	5.08
40	MP1A	X	15.188	1.79
41	MP1A	Z	-8.769	1.79
42	MP1A	Mx	.004	1.79



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP1A	X	15.188	3.79
14	MP1A		-8.769	3.79
5	MP1A	Mx	.004	3.79
6	MP1B	X	16.494	1.79
17	MP1B	Z	-9.523	1.79
18	MP1B	Mx	.003	1.79
19	MP1B	X	16.494	3.79
50	MP1B	Z	-9.523	3.79
51	MP1B	Mx	.003	3.79
52	MP1C	X	10.28	1.79
53	MP1C	Z	-5.935	1.79
54	MP1C	Mx	005	1.79
55	MP1C	X	10.28	3.79
56	MP1C	Z	-5.935	3.79
57	MP1C	Mx	005	3.79
58	MP2A	X	14.158	2.79
59	MP2A	Z	-8.174	2.79
60	MP2A	Mx	004	2.79
61	MP2B	X	14.75	2.79
52	MP2B	Z	-8.516	2.79
63	MP2B	Mx	003	2.79
64	MP2C	X	11.935	2.79
35	MP2C	Z	-6.891	2.79
66	MP2C	Mx	.006	2.79
67	MP3A	X	13.736	2.79
68	MP3A	Z	-7.93	2.79
69	MP3A	Mx	004	2.79
70	MP3B	X	13.736	2.79
71	MP3B	Z	-7.93	2.79
72	MP3B	Mx	004	2.79
73	MP3C	X	13.736	2.79
74	MP3C	Z	-7.93	2.79
75	MP3C	Mx	004	2.79
76	M100	X	26.583	
77	M100	Z	-15.348	11
78	M100	Mx	0	
79	MP4A	X	19.422	.5
80	MP4A	Z	-11.213	.5
81	MP4A	Mx	.01	.5
82	MP4A	X	19.422	5.08
83	MP4A	Z	-11.213	5.08
84	MP4A	Mx	.01	5.08
85	MP4B	X	27.646	.5
86	MP4B	Z	-15.961	.5
87	MP4B	Mx	0	.5
88	MP4B	X	27.646	5.08
89	MP4B	Z	-15.961	5.08
90	MP4B	Mx	0	5.08
91	MP4C	X	19.422	.5
92	MP4C	Z	-11.213	.5
93	MP4C	Mx	01	.5
94	MP4C	X	19.422	5.08
95	MP4C	Ž	-11.213	5.08
96	MP4C	Mx	01	5.08

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

Mambas Label Direction Magnitude (lib.k. #) Location (# %)

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3C	X	4.359	.25
2	MP3C	Z	0	.25
3	MP3C	Mx	.002	.25
4	MP3A	X	40.673	.5
5	MP3A	Z	0	.5
6	MP3A	Mx	029	.5
7	MP3A	X	40.673	5.08
8	MP3A	Z	0	5.08
9	MP3A	Mx	029	5.08
10	MP3B	X	35.023	.5
11	MP3B	Z	0	5
12	MP3B	Mx	.041	.5
13	MP3B	X	35.023	5.08
14	MP3B	Z	0	5.08
15	MP3B	Mx	.041	5.08
16	MP3C	X	31.045	.5
17	MP3C	Z	0	.5
18	MP3C	Mx	028	.5
19	MP3C	X	31.045	5.08
20	MP3C	Z	0	5.08
21	MP3C	Mx	028	5.08
22	MP3A	X	40.673	.5
23	MP3A	Z	0	.5
24	MP3A	Mx	.029	.5
25	MP3A	X	40.673	5.08
26	MP3A	Z	0	5.08
27	MP3A	Mx	.029	5.08
28	MP3B	X	35.023	.5
29	MP3B	Z	0	.5
30	MP3B	Mx	.008	.5
31	MP3B	X	35.023	5.08
32	MP3B	Z	0	5.08
33	MP3B	Mx	.008	5.08
34	MP3C	X	31.045	.5
35	MP3C	Z	0	.5
36	MP3C	Mx	028	.5
37	MP3C	X	31.045	5.08
38	MP3C	Z	0	5.08
39	MP3C	Mx	028	5.08
40	MP1A	X	20.371	1.79
41	MP1A	Z	0	1.79
42	MP1A	Mx	0	1.79
43	MP1A	X	20.371	3.79
44	MP1A	Z	0	3.79
45	MP1A	Mx	0	3.79
46	MP1B	X	13.72	1.79
47	MP1B	X	0	1.79
48	MP1B	Mx	.005	1.79
49	MP1B	X	13.72	3.79
50	MP1B	Ž	0	
51	MP1B	Mx	.005	3.79
52	MP1C		9.037	3.79
53	MP1C	X		1.79
54	MP1C	Mx	0	1.79
55	MP1C	IVIX	005	1.79
56	MP1C MP1C	X	9.037	3.79
57		Z	0	3.79
JI	MP1C	Mx	005	3.79



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

Mon	ber Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
	MP2A		17.633	2.79
	MP2A	X	0	2.79
	MP2A	Mx	0	2,79
	MP2B	X	14.619	2.79
	MP2B	Z	0	2.79
	MP2B	Mx	006	2.79
	MP2C	X	12.497	2.79
	MP2C	Z	0	2.79
	MP2C	Mx	.006	2.79
	MP3A	X	17.633	2.79
	MP3A	Z	0	2.79
	MP3A	Mx	0	2.79
	MP3B	X	17.633	2.79
	MP3B	Z	0	2.79
	MP3B	Mx	0	2.79
	MP3C	X	17.633	2.79
	MP3C	Z	0	2.79
	MP3C	Mx	0	2.79
	M100	X	33.216	1
	M100	Z	0	1
	M100	Mx	0	
	MP4A		28.757	.5
	MP4A	X	0	.5
		Mx	.007	.5
	MP4A	X	28.757	5.08
	MP4A	Z	0	5.08
00	MP4A	Mx	.007	5.08
	MP4A	X	28.757	.5
	MP4B	Ž	0	.5
	MP4B	Mx	.007	.5
	MP4B	X	28.757	5.08
	MP4B	Z	0	5.08
	MP4B	Mx	.007	5.08
	MP4B	X	19.262	.5
	MP4C	Z	0	.5
	MP4C		01	.5
	MP4C	Mx X	19.262	5.08
	MP4C	Z	0	5.08
	MP4C		01	5.08
96	MP4C	Mx	01	0.00

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3C	X	4.995	.25
2	MP3C	Z	2.884	.25
3	MP3C	Mx	.002	.25
4	MP3A	X	33.139	.5
5	MP3A	Z	19.133	.5
6	MP3A	Mx	041	.5
7	MP3A	X	33.139	5.08
t l	MP3A	7	19.133	5.08
8	MP3A	Mx	041	5.08
9	MP3B	X	27.137	.5
10	MP3B	7	15.668	.5
11	MP3B	Mx	.032	.5
12	MP3B	X	27.137	5.08
13 14	MP3B	Ž	15.668	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
15	MP3B	Mx	.032	5.08
16	MP3C	X	28.97	.5
17	MP3C	Z	16.726	.5
18	MP3C	Mx	014	.5
19	MP3C	X	28.97	5.08
20	MP3C	Z	16.726	5.08
21	MP3C	- Mx	014	5.08
22	MP3A	X	33.139	.5
23	MP3A	Z	19.133	.5
24	MP3A	Mx	.006	.5
25	MP3A	X	33.139	5.08
26	MP3A	Z	19.133	5.08
27	MP3A	Mx	.006	5.08
28	MP3B	X	27.137	.5
29	MP3B	Z	15.668	.5
30	MP3B	Mx	.024	.5
31	MP3B	X	27.137	5.08
32	MP3B	Z	15.668	5.08
33	MP3B	Mx	.024	5.08
34	MP3C	X	28.97	.5
35	MP3C	Z	16.726	.5
36	MP3C	Mx	039	.5
37	MP3C	X	28.97	5.08
38	MP3C	Z	16.726	5.08
39	MP3C	Mx	039	5.08
40	MP1A	X	15.188	1.79
41	MP1A	Z	8.769	1.79
42	MP1A	Mx	004	1.79
43	MP1A	X	15.188	3.79
44	MP1A	Z	8.769	3.79
45	MP1A	Mx	004	3.79
16	MP1B	X	8.122	1.79
47	MP1B	Z	4.689	1.79
48	MP1B	Mx	.005	1.79
49	MP1B	X	8.122	3.79
50	MP1B	Z	4.689	3.79
51	MP1B	Mx	.005	3.79
52	MP1C	X	10.28	1.79
53	MP1C	Z	5.935	1.79
54	MP1C	Mx	005	1.79
55	MP1C	X	10.28	3.79
56	MP1C	Z	5.935	3.79
57	MP1C	Mx	005	3.79
58	MP2A	X	14.158	2.79
59	MP2A	Z	8.174	2.79
30	MP2A	Mx	.004	2.79
31	MP2B	X	10.957	2.79
32	MP2B	Z	6.326	2.79
33	MP2B	Mx	006	2.79
i4	MP2C	X	11.935	2.79
55	MP2C	Z	6.891	2.79
66	MP2C	Mx	.006	2.79
57	MP3A	X	13.736	2.79
88	MP3A	Z	7.93	2.79
9	MP3A	Mx	.004	2.79
0	MP3B	X	13.736	2.79
1	MP3B	Z	7.93	2.79



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP3B	Mx	.004	2.79
73	MP3C	X	13.736	2.79
74	MP3C	7	7.93	2.79
75	MP3C	Mx	.004	2.79
76	M100	X	26.583	1
77	M100	Z	15.348	1
78	M100	Mx	0	
79	MP4A	X	27.646	.5
80	MP4A	Z	15.961	.5
81	MP4A	Mx	0	.5
82	MP4A	X	27.646	5.08
83	MP4A	Z	15.961	5.08
84	MP4A	Mx	0	5.08
85	MP4B	X	19.422	.5
86	MP4B	7	11.213	.5
87	MP4B	Mx	.01	.5
88	MP4B	X	19.422	5.08
	MP4B	7	11.213	5.08
89	MP4B	Mx	.01	5.08
90	MP4C	X	19,422	.5
91	MP4C	Z	11.213	.5
92	MP4C	Mx	01	.5
93	MP4C	X	19.422	5.08
94		7	11.213	5.08
95 96	MP4C MP4C	Mx	01	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
1 1	MP3C	X	4.292	.25
2	MP3C	Z	7.434	.25
3	MP3C	Mx	.002	.25
4	MP3A	X	16.726	.5
5	MP3A	Z	28.97	.5
6	MP3A	Mx	038	.5
7	MP3A	X	16.726	5.08
8	MP3A	7	28.97	5.08
9	MP3A	Mx	038	5.08
10	MP3B	X	16.086	.5
11	MP3B	7	27.861	.5
12	MP3B	Mx	.019	.5
13	MP3B	X	16.086	5.08
14	MP3B	7	27.861	5.08
15	MP3B	Mx	.019	5.08
	MP3C	X	19.133	.5
16 17	MP3C	7	33.139	.5
18	MP3C	Mx	.007	.5
	MP3C	X	19.133	5.08
19	MP3C	Ž	33.139	5.08
20	MP3C	Mx	.007	5.08
21	MP3A	X	16.726	.5
22	MP3A	7	28.97	.5
23	MP3A	Mx	015	.5
24	MP3A	X	16.726	5.08
25	MP3A	7	28.97	5.08
26	MP3A	Mx	015	5.08
27		X	16.086	.5
28	MP3B			

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP3B	Z	27.861	.5
30	MP3B	Mx	.036	.5
31	MP3B	X	16.086	5.08
32	MP3B	Z	27.861	5.08
33	MP3B	Mx	.036	5.08
34	MP3C	X	19.133	.5
35	MP3C	Z	33.139	.5
36	MP3C	Mx	042	.5
37	MP3C	X	19.133	5.08
38	MP3C	Z	33.139	5.08
39	MP3C	Mx	042	5.08
40	MP1A	X	5.935	1.79
41	MP1A	Z	10.28	1.79
42	MP1A	Mx	005	1.79
43	MP1A	X	5.935	3.79
44	MP1A	Z	10.28	3.79
45	MP1A	Mx	005	3.79
46	MP1B	X	5,181	1.79
47	MP1B	Z	8.974	1.79
48	MP1B	Mx	.005	1.79
49	MP1B	X	5.181	3.79
50	MP1B	Z	8.974	3.79
51	MP1B	Mx	.005	3.79
52	MP1C	X	8.769	1.79
53	MP1C	Z	15,188	1.79
54	MP1C	Mx	004	1.79
55	MP1C	X	8.769	3.79
56	MP1C	Z	15.188	3.79
57	MP1C	Mx	004	3.79
58	MP2A	X	6.891	2.79
59	MP2A	Z	11.935	2.79
60	MP2A	Mx	.006	2.79
61	MP2B	X	6.549	2.79
62	MP2B	Z	11.343	2.79
63	MP2B	Mx	006	2.79
64	MP2C	X	8.174	2.79
35	MP2C	Z	14.158	2.79
66	MP2C	Mx	.004	2.79
67	MP3A	X	6.159	2.79
68	MP3A	Z	10.667	2.79
59	MP3A	Mx	.005	2.79
70	MP3B	X	6.159	2.79
71	MP3B	Ž	10.667	2.79
72	MP3B	Mx	.005	2.79
73	MP3C	X	6.159	2.79
74	MP3C	Z	10.667	2.79
75	MP3C	Mx	.005	2.79
76	M100	X	12.828	2.79
77	M100	Z	22.218	
78	M100	Mx	0	
79	MP4A	X	14.379	.5
30	MP4A	Z	24.904	.5
31	MP4A	Mx	007	.5 .5
32	MP4A	X	14.379	5 5.08
33	MP4A	Z	24.904	
34	MP4A	Mx	007	5.08
35	MP4B	X	9.631	5.08 .5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP4B	Z	16.681	.5
87	MP4B	Mx	.01	.5
88	MP4B	X	9.631	5.08
89	MP4B	Z	16.681	5.08
90	MP4B	Mx	.01	5.08
91	MP4C	X	14.379	.5
92	MP4C	Z	24.904	.5
93	MP4C	Mx	007	.5
94	MP4C	X	14.379	5.08
95	MP4C	Z	24.904	5.08
96	MP4C	Mx	007	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3C	X	0	.25
2	MP3C	Z	9.992	.25
3	MP3C	Mx	0	.25
4	MP3A	X	0	.5
5	MP3A	Z	31.045	.5
6	MP3A	Mx	028	.5
7	MP3A	X	0	5.08
8	MP3A	Z	31.045	5.08
9	MP3A	Mx	028	5.08
10	MP3B	X	0	.5
11	MP3B	Z	36.695	.5
12	MP3B	Mx	.000539	.5
13	MP3B	X	0	5.08
14	MP3B	Z	36.695	5.08
15	MP3B	Mx	.000539	5.08
16	MP3C	X	0	,5
17	MP3C	Z	40.673	.5
18	MP3C	Mx	.031	.5
19	MP3C	X	0	5.08
20	MP3C	Z	40.673	5.08
21	MP3C	Mx	.031	5.08
22	MP3A	X	0	.5
23	MP3A	Z	31.045	.5
24	MP3A	Mx	028	.5
25	MP3A	X	0	5.08
26	MP3A	Z	31.045	5.08
27	MP3A	Mx	028	5.08
28	MP3B	X	0	.5
29	MP3B	Z	36.695	.5
30	MP3B	Mx	.043	.5
31	MP3B	X	0	5.08
32	MP3B	Z	36.695	5.08
33	MP3B	Mx	.043	5.08
34	MP3C	X	0	.5
35	MP3C	Z	40.673	.5
36	MP3C	Mx	031	.5
37	MP3C	X	0	5.08
38	MP3C	Z	40.673	5.08
39	MP3C	Mx	031	5.08
40	MP1A	X	0	1.79
41	MP1A	Z	9.037	1.79
42	MP1A	Mx	005	1.79



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

40	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP1A	X	0	3.79
44	MP1A	Z	9.037	3.79
45	MP1A	Mx	005	3.79
46	MP1B	X	0	1.79
47	MP1B	Z	15.688	1.79
48	MP1B	Mx	.005	1.79
49	MP1B	X	0	3.79
50	MP1B	Z	15.688	3.79
51	MP1B	Mx	.005	3.79
52	MP1C	X	0	1.79
53	MP1C	Z	20.371	1.79
54	MP1C	Mx	0	1.79
55	MP1C	X	0	3.79
56	MP1C	Z	20.371	3.79
57	MP1C	Mx	0	3.79
58	MP2A	X	0	2.79
59	MP2A	Z	12.497	2.79
60	MP2A	Mx	.006	2.79
61	MP2B	X	0	2.79
62	MP2B	Z	15.511	2.79
63	MP2B	Mx	005	2.79
64	MP2C	X	0	2.79
65	MP2C	Z	17.633	2.79
66	MP2C	Mx	0	2.79
67	MP3A	X	0	2.79
68	MP3A	Z	10.546	2.79
69	MP3A	Mx	.005	2.79
70	MP3B	X	0	2.79
71	MP3B	Z	10.546	2.79
72	MP3B	Mx	.005	2.79
73	MP3C	X	0	2.79
74	MP3C	Z	10.546	2.79
75	MP3C	Mx	.005	2.79
76	M100	X	0	
77	M100	Z	23.135	
78	M100	Mx	0	
79	MP4A	X	0	.5
80	MP4A	Z	22.427	.5
81	MP4A	Mx	01	.5
82	MP4A	X	0	5.08
83	MP4A	Z	22.427	5.08
84	MP4A	Mx	01	5.08
85	MP4B	X	0	.5
86	MP4B	Z	22.427	.5
87	MP4B	Mx	.01	.5
88	MP4B	X	0	5.08
89	MP4B	Z	22.427	5.08
90	MP4B	Mx	.01	
91	MP4C	X	0	5.08
92	MP4C MP4C	Z	31.922	.5
93	MP4C	Mx		.5
94	MP4C		0	.5
95	MP4C	X	21,022	5.08
96	MP4C		31.922	5.08
JU	IVIT4U	Mx	0	5.08

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

Mambar Label Disastion Magnitude the Latter Const.



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

	Member Label	Antenna WI (210 De	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3C	X	-4.292	.25 .25
2	MP3C		7.434	.25
3	MP3C	Mx	002	.5
4	MP3A	X	-16.726	.5
5	MP3A	Z	28.97	.5
6	MP3A	Mx	015	5.08
7	MP3A	X	-16.726	5.08
8	MP3A	Z	28.97	5.08
9	MP3A	Mx	015	
0	MP3B	X	-20.191	.5
1	MP3B	Z	34.973	. <u>5</u> .5
2	MP3B	Mx	023	
3	MP3B	X	-20.191	5.08
4	MP3B	Z	34.973	5.08
5	MP3B	Mx	023	5.08
6	MP3C	X	-19.133	.5
7	MP3C	Z	33.139	.5
8	MP3C	Mx	.042	.5
9	MP3C	X	-19.133	5.08
20	MP3C	m & Z	33.139	5.08
1	MP3C	Mx	.042	5.08
2	MP3A	X	-16.726	.5
23	MP3A	Z	28.97	.5
4	MP3A	Mx	038	.5
5	MP3A	X	-16.726	5.08
6	MP3A	Z	28.97	5.08
7	MP3A	Mx	038	5.08
28	MP3B	X	-20.191	.5
9	MP3B	Z	34.973	.5
30	MP3B	Mx	.036	.5
31	MP3B	X	-20.191	5.08
32	MP3B	Z	34.973	5.08
33	MP3B	Mx	.036	5.08
34	MP3C	X	-19.133	.5
35	MP3C	Z	33.139	.5
36	MP3C	Mx	007	.5
37	MP3C	X	-19.133	5.08
38	MP3C	Z	33.139	5.08
39	MP3C	Mx	007	5.08
10	MP1A	X	-5.935	1.79
11	MP1A	Z	10.28	1.79
2	MP1A	Mx	005	1.79
13	MP1A	X	-5.935	3.79
14	MP1A	Z	10.28	3.79
15	MP1A	Mx	005	3.79
16	MP1B	X	-10.015	1.79
17	MP1B	Z	17.346	1.79
18	MP1B	Mx	.002	1.79
19	MP1B	X	-10.015	3.79
50	MP1B	Z	17.346	3.79
	MP1B	Mx	.002	3.79
51	MP1C	X	-8.769	1.79
52	MP1C MP1C	Z	15.188	1.79
53	MP1C MP1C	Mx	.004	1.79
54	MP1C MP1C	X	-8.769	3.79
55		Ž	15.188	3.79
56 57	MP1C MP1C	Mx	.004	3.79

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	-6.891	2.79
59	MP2A	Z	11.935	2.79
60	MP2A	Mx	.006	2.79
61	MP2B	X	-8.739	2.79
62	MP2B	Z	15.136	2.79
63	MP2B	Mx	002	2.79
64	MP2C	X	-8.174	2.79
65	MP2C	Z	14.158	2.79
66	MP2C	Mx	004	2.79
67	MP3A	X	-6.159	2.79
68	MP3A	Z	10.667	2.79
69	MP3A	Mx	.005	2.79
70	MP3B	X	-6.159	
71	MP3B	Z	10.667	2.79
72	MP3B	Mx	.005	2.79
73	MP3C	X		2.79
74	MP3C	Z	-6.159	2.79
75	MP3C	Mx	10.667	2.79
76	M100	IVIX X	.005	2.79
77	M100	Z	-12.828	1 2 2
78	M100		22.218	
79	MP4A	Mx	0	
80	MP4A	X	-9.631	.5
81		Z	16.681	.5
82	MP4A	Mx	01	.5
83	MP4A	X	-9.631	5.08
	MP4A	Z	16.681	5.08
84 85	MP4A	Mx	01	5.08
	MP4B	X	-14.379	.5
86	MP4B	Z	24.904	.5
87	MP4B	Mx	.007	.5
88	MP4B	X	-14.379	5.08
89	MP4B	Z	24.904	5.08
90	MP4B	Mx	.007	5.08
91	MP4C	X	-14.379	.5
92	MP4C	Z	24.904	.5
93	MP4C	Mx	.007	.5
94	MP4C	X	-14.379	5.08
95	MP4C	Z	24.904	5.08
96	MP4C	Mx	.007	5.08

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

	Member Label	Direction	Magnitude(lb.k-ft)	Location[ft.%]
1	MP3C	X	-4.995	.25
2	MP3C	Z	2.884	.25
3	MP3C	Mx	002	.25
4	MP3A	X	-33.139	.5
5	MP3A	Z	19.133	.5
6	MP3A	Mx	.006	.5
7	MP3A	X	-33.139	5.08
8	MP3A	Z	19.133	5.08
9	MP3A	Mx	.006	5.08
10	MP3B	X	-34.249	.5
11	MP3B	Z	19.773	.5
12	MP3B	Mx	04	.5
13	MP3B	X	-34.249	5.08
14	MP3B	Z	19.773	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	мР3В	Mx	04	5.08
16	MP3C	X	-28.97	.5
17	MP3C	Z	16.726	.5
18	MP3C	Mx	.039	.5
19	MP3C	X	-28.97	5.08
20	MP3C	Z	16.726	5.08
21	MP3C	Mx	.039	5.08
22	MP3A	X	-33.139	.5
23	MP3A	Z	19.133	.5
24	MP3A	Mx	041	.5
25	MP3A	X	-33.139	5.08
26	MP3A	Z	19.133	5.08
27	MP3A	Mx	041	5.08
28	MP3B	X	-34.249	.5
29	MP3B	Z	19.773	.5
30	MP3B	Mx	.015	.5
31	MP3B	X	-34.249	5.08
32	MP3B	Z	19.773	5.08
33	MP3B	Mx	.015	5.08
34	MP3C	X	-28.97	.5
35	MP3C	Z	16.726	.5
36	MP3C	Mx	.014	.5
37	MP3C	X	-28.97	5.08
38	MP3C	Z	16.726	5.08
39	MP3C	Mx	.014	5.08
40	MP1A	X	-15.188	1.79
41	MP1A	Z	8.769	1.79
42	MP1A	Mx	004	1.79
43	MP1A	X	-15.188	3.79
44	MP1A	Z	8.769	3.79
45	MP1A	Mx	-:004	3.79
46	MP1B	X	-16.494	1.79
47	MP1B	Z	9.523	1,79
48	MP1B	Mx	003	1.79
49	MP1B	X	-16.494	3.79
50	MP1B	Z	9.523	3.79
51	MP1B	Mx	003	3.79
52	MP1C	X	-10.28	1.79
53	MP1C	Z	5.935	1.79
54	MP1C	Mx	.005	1.79
55	MP1C	X	-10.28	3.79
56	MP1C	Z	5.935	3.79
57	MP1C	Mx	.005	3.79
58	MP2A	X	-14.158	2.79
59	MP2A	Z	8.174	2.79
60	MP2A	Mx	.004	2.79
61	MP2B	X	-14.75	2.79
62	MP2B	Z	8.516	2.79
63	MP2B	Mx	.003	2.79
64	MP2C	X	-11.935	2.79
65	MP2C	Z	6.891	2.79
	MP2C	Mx	006	2.79
66	MP3A	X	-13.736	2.79
67	MP3A	X	7.93	2.79
68	MP3A MP3A	Mx	.004	2.79
69	MP3B	X	-13.736	2.79
70 71	MP3B MP3B	Z	7.93	2.79

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP3B	Mx	.004	2.79
73	MP3C	X	-13.736	2.79
74	MP3C	Z	7.93	2.79
75	MP3C	Mx	.004	2.79
76	M100	X	-26.583	1
77	M100	Z	15.348	
78	M100	Mx	0	1
79	MP4A	X	-19.422	.5
80	MP4A	Z	11.213	.5
81	MP4A	Mx	01	.5
82	MP4A	X	-19.422	5.08
83	MP4A	Z	11.213	5.08
84	MP4A	Mx	01	5.08
85	MP4B	X	-27.646	.5
86	MP4B	Z	15.961	.5
87	MP4B	Mx	0	.5
88	MP4B	X	-27.646	5.08
89	MP4B	Z	15.961	5.08
90	MP4B	Mx	0	5.08
91	MP4C	X	-19,422	.5
92	MP4C	Z	11.213	.5
93	MP4C	Mx	-01	.5
94	MP4C	X	-19.422	5.08
95	MP4C	Z	11.213	5.08
96	MP4C	Mx	.01	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
_ 1	MP3C	X	-4.359	.25
2	MP3C	Z	0	.25
3	MP3C	Mx	002	.25
4	MP3A	X	-40.673	.5
5	MP3A	Z	0	.5
6	MP3A	Mx	.029	.5
7	MP3A	X	-40.673	5.08
8	MP3A	Z	0	5.08
9	MP3A	Mx	.029	5.08
10	MP3B	X	-35.023	.5
11	MP3B	Z	0	.5
12	MP3B	Mx	041	.5
13	MP3B	X	-35.023	5.08
14	MP3B	Z	0	5.08
15	MP3B	Mx	041	5.08
16	MP3C	X	-31.045	.5
17	MP3C	Z	0	.5
18	MP3C	Mx	.028	.5
19	MP3C	X	-31.045	5.08
20	MP3C	Z	0	5.08
21	MP3C	Mx	.028	5.08
22	MP3A	X	-40.673	.5
23	MP3A	Z	0	.5
24	MP3A	Mx	029	.5
25	MP3A	X	-40.673	5.08
26	MP3A	Z	0	5.08
27	МРЗА.	Mx	029	5.08
28	MP3B	X	-35.023	.5



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

	oint Loads (BLC 24 : Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP3B	Z	0	, <u>5</u> ,5
30	MP3B	Mx	008	5.08
31	MP3B	X	-35.023	5.08
32	MP3B	Z	0	5.08
33	MP3B	Mx	008	.5
34	MP3C	X	-31.045	.5
35	MP3C	Z	0	.5
36	MP3C	Mx	.028	5.08
37	MP3C	X	-31.045	5.08
38	MP3C	Z	0	
39	MP3C	Mx	.028	5.08 1.79
40	MP1A	X	-20.371	1.79
41	MP1A	Z	0	1.79
42	MP1A	Mx	0	3.79
43	MP1A	X	-20.371	3.79
44	MP1A	Z	0	3.79
45	MP1A	Mx	0	3.79
46	MP1B	X	-13.72	1.79 1.79
47	MP1B	Z	0	1.79
48	MP1B	Mx	005	
49	MP1B	X	-13.72	3.79 3.79
50	MP1B	Z	0	3.79
51	MP1B	Mx	005	3.79
52	MP1C	X	-9.037	1.79
53	MP1C	Z	0	1.79
54	MP1C	Mx	.005	1.79
55	MP1C	X	-9.037	3.79
56	MP1C	Z	0	3.79
57	MP1C	Mx	.005	3.79
58	MP2A	X	-17.633	2.79
59	MP2A	Z	0	2.79
60	MP2A	Mx	0	2.79
61	MP2B	X	-14.619	2.79
62	MP2B	Z	0	2.79
63	MP2B	Mx	.006	2.79
64	MP2C	X	-12.497	2.79
65	MP2C	Z	0	2.79
66	MP2C	Mx	006	2.79
67	MP3A	X	-17.633	2.79
68	MP3A	Z	0	2.79
69	мрза	Mx	0	2.79
70	MP3B	X	-17.633	2.79
71	MP3B	Z	0	2.79
72	MP3B	Mx	0	2.79
73	MP3C	X	-17.633	2.79
74	MP3C	Z	0	2.79
75	MP3C	Mx	0	2.79
76	M100	X	-33.216	
77	M100	Z	0	1
78	M100	Mx	0	1
79	MP4A	X	-28.757	.5
80	MP4A	Z	0	.5
81	MP4A	Mx	007	.5
82	MP4A	X	-28.757	5.08
83	MP4A	Z	0	5.08
84	MP4A	Mx	007	5.08
85	MP4B	X	-28.757	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP4B	Z	0	.5
87	MP4B	Mx	007	5
88	MP4B	X	-28.757	5.08
89	MP4B	Z	0	5.08
90	MP4B	Mx	007	5.08
91	MP4C	X	-19.262	.5
92	MP4C	Z	0	5
93	MP4C	Mx	.01	5
94	MP4C	X	-19.262	5.08
95	MP4C	Z	0	5.08
96	MP4C	Mx	.01	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3C	X	-4.995	.25
2	MP3C	Z	-2.884	.25
3	MP3C	Mx	002	.25
4	MP3A	X	-33.139	.5
5	MP3A	Z	-19.133	.5
6	MP3A	Mx	.041	.5
7	MP3A	X	-33.139	5.08
8	MP3A	Z	-19.133	5.08
9	MP3A	Mx	.041	5.08
10	MP3B	X	-27.137	.5
11	MP3B	Z	-15.668	.5
12	MP3B	Mx	032	.5
13	MP3B	X	-27.137	5.08
14	MP3B	Z	-15.668	5.08
15	MP3B	Mx	032	5.08
16	MP3C	X	-28.97	.5
17	MP3C	Z	-16.726	.5
18	MP3C	Mx	.014	.5
19	MP3C	X	-28.97	5.08
20	MP3C	Z	-16.726	5.08
21	MP3C	Mx	.014	5.08
22	MP3A	X	-33.139	.5
23	MP3A	Z	-19.133	.5
24	МРЗА	Mx	006	.5
25	MP3A	X	-33.139	5.08
26	MP3A	Z	-19.133	5.08
27	MP3A	Mx	006	5.08
28	MP3B	X	-27.137	.5
29	MP3B	Z	-15.668	.5
30	MP3B	Mx	024	.5
31	MP3B	X	-27.137	5.08
32	MP3B	Z	-15.668	5.08
33	MP3B	Mx	024	5.08
34	MP3C	X	-28.97	.5
35	MP3C	Z	-16.726	.5
36	MP3C	Mx	.039	.5
37	MP3C	X	-28.97	5.08
38	MP3C	Z	-16.726	5.08
39	MP3C	Mx	.039	5.08
40	MP1A	X	-15.188	1.79
41	MP1A	Ž	-8.769	1.79
42	MP1A	Mx	.004	1.79



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP1A	X	-15.188	3.79
44	MP1A	Z	-8.769	3.79
45	MP1A	Mx	.004	3.79
46	MP1B	X	-8.122	1.79
47	MP1B	Z	-4.689	1.79
48	MP1B	Mx	005	1.79
49	MP1B	X	-8.122	3.79
50	MP1B	Z	-4.689	3.79
51	MP1B	Mx	005	3,79
52	MP1C	X	-10.28	1.79
53	MP1C	Z	-5.935	1.79
54	MP1C	Mx	.005	1.79
55	MP1C	X	-10.28	3.79
56	MP1C	Z	-5.935	3.79
57	MP1C	Mx	.005	3.79
58	MP2A	X	-14.158	2.79
59	MP2A	Z	-8.174	2.79
50	MP2A	Mx	004	2.79
61	MP2B	X	-10.957	2.79
62	MP2B	Z	-6.326	2.79
63	MP2B	Mx	.006	2.79
34	MP2C	X	-11.935	2.79
55	MP2C	Z	-6.891	2.79
66	MP2C	Mx	006	2.79
67	MP3A	X	-13.736	2.79
38	MP3A	Z	-7.93	2.79
69	MP3A	Mx	004	2.79
70	MP3B	X	-13.736	2.79
71	MP3B	Z	-7.93	2.79
72	MP3B	Mx	004	2.79
73	MP3C	X	-13.736	2.79
74	MP3C	Z	-7.93	2.79
75	MP3C	Mx	004	2.79
76	M100	X	-26.583	_1
77	M100	Z	-15.348	1
78	M100	Mx	0	
79	MP4A	X	-27.646	.5
80	MP4A	Z	-15.961	.5
81	MP4A	Mx	0	.5
82	MP4A	X	-27.646	5.08
83	MP4A	Z	-15.961	5.08
84	MP4A	Mx	0	5.08
85	MP4B	X	-19.422	.5
86	MP4B	Z	-11.213	.5
	MP4B	Mx	01	.5
87 88	MP4B	X	-19.422	5.08
	MP4B	Z	-11.213	5.08
89	MP4B	Mx	01	5.08
90	MP4C	X	-19.422	.5
91	MP4C	Z	-11.213	.5
92	MP4C	Mx	.01	.5
93	MP4C MP4C	X	-19.422	5.08
94	MP4C	Z	-11.213	5.08
95 96	MP4C	Mx	.01	5.08

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

Mambar Label Direction Magnitude(Ib.k. #1 Legation(#.%)

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

r	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3C	X	-4.292	.25
2	MP3C	Z	-7.434	.25
3	MP3C	Mx	002	.25
4	MP3A	X	-16.726	.5
5	MP3A MP3A	Z	-28.97	.5
6 7		Mx	.038	.5
8	MP3A	X	-16.726	5.08
	MP3A	Z	-28.97	5.08
9 10	MP3A	Mx	.038	5.08
11	MP3B	X	-16.086	.5
12	MP3B	Z	-27.861	.5
13	MP3B	Mx	019	.5
14	MP3B	X	-16.086	5.08
15	MP3B	Z	-27.861	5.08
16	MP3B MP3C	Mx	019	5.08
17	MP3C MP3C	X	-19.133	.5
18		Z	-33.139	.5
19	MP3C MP3C	Mx	007	.5
20	MP3C	X	-19.133	5.08
21	MP3C MP3C	Z	-33.139	5.08
22	MP3C MP3A	Mx	007	5.08
23	MP3A MP3A	X	-16.726	.5
24		Z	-28.97	.5
25	MP3A MP3A	Mx	.015	.5
26		X	-16.726	5.08
27	MP3A		-28.97	5.08
28	MP3A	Mx	.015	5.08
29	MP3B MP3B	X	-16,086	.5
30	MP3B		-27.861	.5
31	MP3B	Mx	036	.5
32	MP3B	X	-16.086	5.08
33	MP3B		-27.861	5.08
34	MP3C	Mx	036	5.08
35	MP3C	X	-19.133	.5
36	MP3C	Mx	-33.139 .042	.5 .5
37	MP3C	X	-19.133	
38	MP3C	Z	-33.139	5.08
39	MP3C	Mx	.042	5.08
40	MP1A	X	-5.935	5.08
41	MP1A	Z	-5.935 -10.28	1.79
42	MP1A	Mx	.005	1.79 1.79
43	MP1A	X	-5.935	3.79
44	MP1A	Ž		3.79
45	MP1A	Mx	-10.28 .005	3.79 3.79
46	MP1B	X	-5.181	1.79
47	MP1B	Z	-8.974	1.79
48	MP1B	Mx	-8.974	1.79
49	MP1B	X	-5.181	3.79
50	MP1B	Ž	-8.974	3.79
51	MP1B	Mx	-0.05	3.79
52	MP1C	X	-8.769	1.79
53	MP1C	Z	-15.188	1.79
54	MP1C	Mx	.004	1.79
55	MP1C	X	-8.769	3.79
56	MP1C	Z	-15.188	3.79
57	MP1C	Mx	.004	3.79



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

	Point Loads (BLC 26 : Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	-6.891	2.79
59	MP2A	Z	-11.935	2.79
60	MP2A	Mx	006	2,79
61	MP2B	X	-6.549	2.79
62	MP2B	Z	-11.343	2.79
63	MP2B	Mx	.006	2.79
	MP2C	X	-8.174	2.79
64 65	MP2C	Z	-14.158	2.79
	MP2C	Mx	004	2.79
66	MP3A	X	-6.159	2.79
67	MP3A	Z	-10.667	2.79
68	MP3A	Mx	005	2.79
69	MP3B	X	-6.159	2.79
70	MP3B	Z	-10.667	2.79
71	MP3B	Mx	005	2.79
72		X	-6.159	2.79
73	MP3C MP3C	Z	-10.667	2.79
74		Mx	005	2.79
75	MP3C	X	-12.828	1
76	M100	Z	-22.218	1
77	M100 M100	Mx	0	
78		X	-14.379	.5
79	MP4A MP4A	Z	-24.904	.5
80		Mx	.007	.5
81	MP4A	X	-14.379	5.08
82	MP4A	Z	-24.904	5.08
83	MP4A	Mx	.007	5.08
84	MP4A	X	-9.631	.5
85	MP4B	Z	-16.681	.5
86	MP4B	Mx	01	.5
87	MP4B	X	-9.631	5.08
88	MP4B	Z	-16.681	5.08
89	MP4B	Mx	01	5.08
90	MP4B	X	-14.379	.5
91	MP4C	Z	-24.904	.5
92	MP4C	Mx	.007	.5
93	MP4C		-14.379	5.08
94	MP4C	X	-14.37 9 -24.904	5.08
95	MP4C		.007	5.08
96	MP4C	Mx	.007	0.00

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3C	X	0	.25
2	MP3C	7	-2.506	.25
2	MP3C	Mx	0	.25
3	MP3A	X	0	.5
4	MP3A	7	-4.62	.5
5	MP3A	Mx	.004	.5
6	MP3A	X	0	5.08
/	MP3A	7	-4.62	5.08
8	MP3A	Mx	.004	5.08
9	MP3B	X	0	.5
10	MP3B	7	-5.531	.5
11		Mx	-8.1e-5	.5
12	MP3B	X	0	5.08
13 14	MP3B MP3B	Z	-5.531	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP3B	Mx	-8.1e-5	5.08
16	MP3C	X	0	.5
17	MP3C	Z	-6.173	.5
18	MP3C	Mx	005	.5
19	MP3C	X	0	5.08
20	MP3C	Z	-6.173	5.08
21	MP3C	Mx	005	5.08
22	MP3A	X	0	.5
23	MP3A	Z	-4.62	.5
24	MP3A	Mx	.004	.5
25	MP3A	X	0	5.08
26	MP3A	Z	-4.62	5.08
27	MP3A	Mx	.004	5.08
28	MP3B	X	0	.5
29	MP3B	Z	-5.531	.5
30	MP3B	Mx	006	.5
31	MP3B	X	0	5.08
32	MP3B	Z	-5.531	5.08
33	MP3B	Mx	006	5.08
34	MP3C	X	0	.5
35	MP3C	Z	-6.173	.5
36	MP3C	Mx	.005	.5
37	MP3C	X	0	5.08
38	MP3C	Z	-6.173	5.08
39	MP3C	Mx	.005	5.08
40	MP1A	X	0	1.79
41	MP1A	Z	-1.762	1.79
42	MP1A	Mx	.000881	1.79
43	MP1A	X	0	3.79
44	MP1A	Z	-1.762	3.79
45	MP1A	Mx	.000881	3.79
46	MP1B	X	0	1.79
47	MP1B	Z	-3.73	1.79
48	MP1B	Mx	001	1.79
49	MP1B	X	0	3.79
50	MP1B	Z	-3.73	3.79
51	MP1B	Mx	001	3.79
52	MP1C	X	0	1.79
53	MP1C	Z	-5.116	1.79
54	MP1C	Mx	0	1.79
55	MP1C	X	0	3.79
56	MP1C	Z	-5.116	3.79
57	MP1C	Mx	0	3.79
58	MP2A	X	0	2.79
59	MP2A	Z	-2.714	2.79
60	MP2A	Mx	001	2.79
51	MP2B	X	0	2.79
32	MP2B	Z	-3.496	2.79
33	MP2B	Mx	.001	2.79
64	MP2C	X	.001	2.79
55	MP2C	Z	-4.046	
36	MP2C	Mx	-4.046	2.79
67	MP3A	X	0	2.79
88	MP3A	Z		2.79
59	MP3A	Mx	-2.219	2.79
70	MP3B		001	2.79
71	MP3B	X	0	2.79
	MILOD	Z	-2.219	2.79



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP3B	Mx	001	2.79
73	MP3C	X	0	2.79
	MP3C	Z	-2.219	2.79
74	MP3C	Mx	001	2.79
75	M100	X	0	
76	M100	7	-6.29	1,
77	M100	Mx	0	1
78	MP4A	X	0	.5
79	MP4A	7	-6.54	.5
80	MP4A	Mx	.003	.5
81	MP4A	X	0	5.08
82	MP4A	Z	-6.54	5.08
83		Mx	.003	5.08
84	MP4A MP4B	X	0	,5
85		7	-6.54	.5
86	MP4B	Mx	003	.5
87	MP4B	X	0	5.08
88	MP4B	7	-6.54	5.08
89	MP4B	Mx	003	5.08
90	MP4B	X	0	.5
91	MP4C	Z	-9.879	.5
92	MP4C	Mx	0	.5
93	MP4C	X	0	5.08
94	MP4C	Z	-9.879	5.08
95	MP4C	Mx	0	5.08
96	MP4C	IVIX	1	

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

	Point Loads (BLC 28 : Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3C	X	1.042	.25
-	MP3C	Z	-1.806	.25
3	MP3C	Mx	.000521	.25
4	MP3A	X	2.504	.5
	MP3A	Z	-4.337	.5
5	MP3A	Mx	.002	.5
7	MP3A	X	2.504	5.08
8	MP3A	Z	-4.337	5.08
9	MP3A	Mx	.002	5.08
10	MP3B	X	3.063	.5
11	MP3B	Z	-5.305	.5
	MP3B	Mx	.004	.5
12	MP3B	X	3.063	5.08
	MP3B	7	-5.305	5.08
14	MP3B	Mx	.004	5.08
15	MP3C	X	2.892	.5
16 17	MP3C	Z	-5.01	.5
	MP3C	Mx	006	.5
18 19	MP3C	X	2.892	5.08
20	MP3C	Ž	-5.01	5.08
	MP3C	Mx	006	5.08
21	MP3A	X	2.504	.5
22	MP3A	7	-4.337	.5
23	MP3A	Mx	.006	.5
24	MP3A	X	2.504	5.08
25	MP3A	7	-4.337	5.08
26	MP3A	Mx	.006	5.08
27 28	MP3B	X	3.063	.5

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

29	Member Label MP3B	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP3B	Z	-5.305	.5
31	MP3B	Mx X	005	.5
32	MP3B	Z	3.063	5.08
33	MP3B	Mx	-5.305 005	5.08
34	MP3C	X	2.892	5.08
35	MP3C	Z		.5
36	MP3C	Mx	-5.01 .001	.5
37	MP3C	X	2.892	.5
38	MP3C	Z	-5.01	5.08
39	MP3C	Mx	.001	5.08
40	MP1A	X	1.3	5.08
41	MP1A	Z	-2.252	1.79
42	MP1A	Mx	.001	1.79
43	MP1A	X	1.3	1.79
44	MP1A	Z	-2.252	3.79
45	MP1A	Mx	.001	3.79
46	MP1B	X	2.507	3.79
47	MP1B	Z	-4.343	1.79
48	MP1B	Mx	000436	1.79
49	MP1B	X	2.507	1.79
50	MP1B	Z	-4.343	3.79
51	MP1B	Mx	000436	3.79
52	MP1C	X	2.139	3.79
53	MP1C	Z	-3.704	1.79
54	MP1C	Mx	001	1.79
55	MP1C	X	2.139	1.79
56	MP1C	Z	-3.704	3.79
57	MP1C	Mx	001	3.79
58	MP2A	X	1.524	3.79
59	MP2A	Z	-2.639	2.79
60	MP2A	Mx	-2.039	2.79
61	MP2B	X	2.003	2.79
62	MP2B	Z	-3.469	2.79 2.79
63	MP2B	Mx	.000348	2.79
64	MP2C	X	1.856	2.79
65	MP2C	Z	-3.215	2.79
66	MP2C	Mx	.000928	2.79
67	MP3A	X	1.338	2.79
68	MP3A	Z	-2.317	2.79
69	MP3A	Mx	001	2.79
70	MP3B	X	1.338	2.79
71	MP3B	Z	-2.317	
72	MP3B	Mx	001	2.79 2.79
73	MP3C	X	1.338	2.79
74	MP3C	Z	-2.317	2.79
75	MP3C	Mx	001	2.79
76	M100	X	3.393	2.79
77	M100	Ž	-5.877	
78	M100	Mx	0	
79	MP4A	X	2.713	.5
80	MP4A	Z	-4.699	.5
81	MP4A	Mx	.003	5 5
82	MP4A	X	2.713	5.08
83	MP4A	Z	-4.699	5.08
84	MP4A	Mx	.003	
85	MP4B	X	4.383	5.08 .5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP4B	Z	-7.592	.5
87	MP4B	Mx	002	.5
88	MP4B	X	4.383	5.08
89	MP4B	Z	-7.592	5.08
90	MP4B	Mx	002	5.08
91	MP4C	X	4.383	.5
92	MP4C	Z	-7.592	.5
93	MP4C	Mx	002	.5
94	MP4C	X	4.383	5.08
95	MP4C	Z	-7.592	5.08
96	MP4C	Mx	002	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
1	MP3C	X	1.077	.25
2	MP3C	Z	622	.25
3	MP3C	Mx	.000538	.25
4	MP3A	X	5.01	.5
5	MP3A	Z	-2.892	.5
6	MP3A	Mx	000898	.5
7	MP3A	X	5.01	5.08
8	MP3A	Z	-2.892	5.08
9	MP3A	Mx	000898	5.08
10	мР3В	X	5.188	.5
11	MP3B	Z	-2.996	.5
12	MP3B	Mx	.006	.5
13	МРЗВ	X	5.188	5.08
14	MP3B	Z	-2.996	5.08
15	MP3B	Mx	.006	5.08
16	MP3C	X	4.337	.5
17	MP3C	Z	-2.504	.5
18	MP3C	Mx	006	.5
19	MP3C	X	4.337	5.08
20	MP3C	Z	-2.504	5.08
21	MP3C	Mx	006	5.08
22	MP3A	X	5.01	.5
23	MP3A	Z	-2.892	.5
24	MP3A	Mx	.006	.5
25	MP3A	X	5.01	5.08
26	MP3A	Z	-2.892	5.08
27	MP3A	Mx	.006	5.08
28	MP3B	X	5.188	.5
29	MP3B	Z	-2.996	.5
30	MP3B	Mx	002	.5
31	МР3В	X	5.188	5.08
32	MP3B	Z	-2.996	5.08
33	MP3B	Mx	002	5.08
34	MP3C	X	4.337	.5
35	MP3C	Z	-2.504	.5
36	MP3C	Mx	002	.5
37	MP3C	X	4.337	5.08
38	MP3C	Z	-2.504	5.08
39	MP3C	Mx	002	5.08
40	MP1A	X	3.704	1.79
41	MP1A	Z	-2.139	1.79
42	MP1A	Mx	.001	1.79



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP1A	X	3.704	3.79
44	MP1A	Z	-2.139	3.79
45	MP1A	Mx	.001	3.79
46	MP1B	X	4.091	1.79
47	MP1B	Z	-2.362	1.79
48	MP1B	Mx	.000808	1.79
49	MP1B	X	4.091	3.79
50	MP1B	Z	-2.362	3.79
51	MP1B	Mx	.000808	3.79
52	MP1C	X	2.252	1.79
53	MP1C	Z	-1.3	1.79
54	MP1C	Mx	001	1.79
55	MP1C	X	2.252	3.79
56	MP1C	Z	-1.3	3.79
57	MP1C	Mx	001	3.79
58	MP2A	X	3.215	2.79
59	MP2A	Z	-1.856	2.79
60	MP2A	Mx	000928	2.79
61	MP2B	X	3.369	2.79
62	MP2B	Z	-1.945	2.79
63	MP2B	Mx	000665	2.79
64	MP2C	X	2.639	2.79
65	MP2C	Z	-1.524	2.79
66	MP2C	Mx	.001	2.79
67	MP3A	X	3.108	2.79
68	MP3A	Z	-1.794	2.79
69	MP3A	Mx	000897	2.79
70	MP3B	X	3.108	2.79
71	MP3B	Z	-1.794	2.79
72	MP3B	Mx	000897	2.79
73	MP3C	X	3.108	2.79
74	MP3C	Z	-1.794	2.79
75	MP3C	Mx	000897	2.79
76	M100	X	6.736	1
77	M100	Z	-3.889	1
78	M100	Mx	0	Garage 1
79	MP4A	X	5.663	.5
80	MP4A	Z	-3.27	.5
81	MP4A	Mx	.003	.5
82	MP4A	X	5.663	5.08
33	MP4A	Z	-3.27	5.08
34	MP4A	Mx	.003	5.08
85	MP4B	X	8.556	.5
86	MP4B	Ž	-4.94	.5
37	MP4B	Mx	0	.5
38	MP4B	X	8.556	5.08
39	MP4B	Z	-4.94	5.08
90	MP4B	Mx	-4.94	5.08
91	MP4C	X	5.663	
92	MP4C	Ž	-3.27	.5
93	MP4C	Mx	003	.5
94	MP4C	X	5.663	5.08
95	MP4C	Z	-3.27	
96	MP4C	Mx	003	5.08 5.08

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

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

	oint Loads (BLC 30 : Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
1	MP3C	X	.823	.25
2	MP3C		0	.25
3	MP3C	Mx	.000412	.25
4	MP3A	X	6.173	.5
5	MP3A	Z	0	.5
6	MP3A	Mx	004	.5
7	MP3A	X	6.173	5.08
3	MP3A	Z	0	5.08
9	MP3A	Mx	004	5.08
0	MP3B	X	5.261	.5
1	MP3B	Z	0	.5
12	MP3B	Mx	.006	.5
13	MP3B	X	5.261	5.08
14	MP3B	Z	0	5.08
5	MP3B	Mx	.006	5.08
6	MP3C	X	4.62	,5
7	MP3C	Z	0	.5
8	MP3C	Mx	004	.5
9	MP3C	X	4.62	5.08
20	MP3C	Z	0	5.08
21	MP3C	Mx	004	5.08
22	MP3A	X	6.173	.5
23	MP3A	Z	0	.5
24	MP3A	Mx	.004	.5
25	MP3A	X	6.173	5.08
26	MP3A	Z	0	5.08
27	MP3A	Mx	.004	5.08
28	MP3B	X	5.261	.5
29	MP3B	Z	0	.5
30	MP3B	Mx	.001	.5
31	MP3B	X	5.261	5.08
32	MP3B	Z	0	5.08
33	MP3B	Mx	.001	5.08
34	MP3C	X	4.62	.5
35	MP3C	Z	0	.5
36	MP3C	Mx	004	.5
37	MP3C	X	4.62	5.08
38	MP3C	Z	0	5.08
39	MP3C	Mx	004	5.08
10	MP1A	X	5.116	1.79
11	MP1A	Z	0	1.79
12	MP1A	Mx	0	1.79
13	MP1A	X	5.116	3.79
14	MP1A	Z	0	3.79
15	MP1A	Mx	0	3.79
16	MP1B	X	3.148	1.79
7	MP1B	Z	0	1.79
18	MP1B	Mx	.001	1.79
19	MP1B	X	3.148	3.79
50	MP1B	Z	0	3.79
51	MP1B	Mx	.001	3.79
	MP1C	X	1.762	1.79
52	MP1C	Z	0	1.79
53	MP1C MP1C	Mx	000881	1.79
54	MP1C MP1C	X	1.762	3.79
55	MP1C MP1C	Ž	0	3.79
56 57	MP1C MP1C	Mx	000881	3.79



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
58	MP2A	X	4.046	2.79
59	MP2A	Z	0	2.79
60	MP2A	Mx	0	2.79
61	MP2B	X	3.264	2.79
62	MP2B	Z	0	2.79
63	MP2B	Mx	001	2.79
64	MP2C	X	2.714	2.79
65	MP2C	Z	0	2.79
66	MP2C	Mx	.001	2.79
67	MP3A	X	4.046	2.79
68	MP3A	Z	0	2.79
69	MP3A	Mx	0	2.79
70	MP3B	X	4.046	2.79
71	MP3B	Z	0	2.79
72	MP3B	Mx	0	2.79
73	MP3C	X	4.046	2.79
74	MP3C	Z	0	2.79
75	MP3C	Mx	Ŏ	2.79
76	M100	X	8.274	1
77	M100	Z	0	1
78	M100	Mx	0	1
79	MP4A	X	8.766	.5
80	MP4A	Z	0	.5
81	MP4A	Mx	.002	.5
82	MP4A	X	8.766	5.08
83	MP4A	Z	0	5.08
84	MP4A	Mx	.002	5.08
85	MP4B	X	8.766	.5
86	MP4B	Z	0	.5
87	MP4B	Mx	.002	.5
88	MP4B	X	8.766	5.08
89	MP4B	Z	0	5.08
90	MP4B	Mx	.002	5.08
91	MP4C	X	5.426	.5
92	MP4C	Z	0	.5
93	MP4C	Mx	003	.5
94	MP4C	X	5.426	5.08
95	MP4C	Z	0	5.08
96	MP4C	Mx	003	5.08

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3C	X	1.077	.25
2	MP3C	Z	.622	.25
3	MP3C	Mx	.000538	.25
4	MP3A	X	5.01	.5
5	MP3A	Z	2.892	.5
6	MP3A	Mx	006	.5
7	MP3A	X	5.01	5.08
8	MP3A	Z	2.892	5.08
9	MP3A	Mx	006	5.08
10	MP3B	X	4.041	.5
11	MP3B	Z	2.333	.5
12	MP3B	Mx	.005	.5
13	MP3B	X	4.041	5.08
14	MP3B	Z	2.333	5.08



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

	oint Loads (BLC 31 : A	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP3B	Mx	.005	5.08
16	MP3C	X	4.337	,5
17	MP3C		2.504	.5
18	MP3C	Mx	002	.5
19	MP3C	X	4.337	5.08
20	MP3C	Z	2.504	5.08
21	MP3C	Mx	002	5.08
22	MP3A	X	5.01	.5
23	MP3A	Z	2.892	.5
24	MP3A	Mx	.000898	.5
25	MP3A	X	5.01	5.08
26	MP3A	Z	2.892	5.08
27	MP3A	Mx	.000898	5.08
28	MP3B	X	4.041	.5
29	MP3B	Z	2.333	.5
30	MP3B	Mx	.004	.5
31	MP3B	X	4.041	5.08
32	MP3B	Z	2.333	5.08
33	MP3B	Mx	.004	5.08
34	MP3C	X	4.337	.5
35	MP3C	Z	2.504	.5
36	MP3C	Mx	006	.5
37	MP3C	X	4.337	5.08
38	MP3C	Z	2.504	5.08
39	MP3C	Mx	006	5.08
40	MP1A	X	3.704	1.79
41	MP1A	Z	2.139	1.79
42	MP1A	Mx	001	1.79
43	MP1A	X	3.704	3.79
44	MP1A	Z	2.139	3.79
45	MP1A	Mx	001	3.79
46	MP1B	X	1.613	1.79
47	MP1B	Z	.931	1.79
48	MP1B	Mx	.000917	1.79
49	MP1B	X	1.613	3.79
50	MP1B	Z	.931	3.79
51	MP1B	Mx	.000917	3.79
52	MP1C	X	2.252	1.79
53	MP1C	Z	1.3	1.79
54	MP1C	Mx	001	1.79
55	MP1C	X	2.252	3.79
56	MP1C	Z	1.3	3.79
57	MP1C	Mx	001	3.79
58	MP2A	X	3.215	2.79
59	MP2A	Z	1.856	2.79
60	MP2A	Mx	.000928	2.79
61	MP2B	X	2.386	2.79
62	MP2B	Z	1.377	2.79
63	MP2B	Mx	001	2.79
64	MP2C	X	2.639	2.79
65	MP2C	Z	1.524	2.79
	MP2C	Mx	.001	2.79
66 67	MP3A	X	3.108	2.79
	MP3A	Z	1.794	2.79
68	MP3A	Mx	.000897	2.79
69	MP3B	X	3.108	2.79
70 71	MP3B MP3B	7	1.794	2.79

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP3B	Mx	.000897	2.79
73	MP3C	X	3.108	2.79
74	MP3C	Z	1.794	2.79
75	MP3C	Mx	.000897	2.79
76	M100	X	6.736	1
77	M100	Z	3.889	
78	M100	Mx	0	
79	MP4A	X	8.556	.5
80	MP4A	Z	4.94	.5
81	MP4A	Mx	0	.5
82	MP4A	X	8.556	5.08
83	MP4A	Z	4.94	5.08
84	MP4A	Mx	0	5.08
85	MP4B	X	5.663	.5
86	MP4B	Z	3.27	.5
87	MP4B	Mx	.003	.5
88	MP4B	X	5.663	5.08
89	MP4B	Z	3.27	5.08
90	MP4B	Mx	.003	5.08
91	MP4C	X	5.663	.5
92	MP4C	Z	3.27	.5
93	MP4C	Mx	003	.5
94	MP4C	X	5.663	5.08
95	MP4C	Z	3.27	5.08
96	MP4C	Mx	003	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3C	X	1.042	.25
2	MP3C	Z	1.806	.25
3	MP3C	Mx	.000521	.25
4	MP3A	X	2.504	.5
5	MP3A	Z	4.337	.5
6	MP3A	Mx	006	.5
7	MP3A	X	2.504	5.08
8	MP3A	Z	4.337	5.08
9	MP3A	Mx	006	5.08
10	MP3B	X	2.401	.5
11	MP3B	Z	4.158	.5
12	MP3B	Mx	.003	.5
13	MP3B	X	2.401	5.08
14	MP3B	Z	4.158	5.08
15	MP3B	Mx	.003	5.08
16	MP3C	X	2.892	.5
17	MP3C	Z	5.01	.5
18	MP3C	Mx	.001	.5
19	MP3C	X	2.892	5.08
20	MP3C	Z	5.01	5.08
21	MP3C	Mx	.001	5.08
22	MP3A	X	2.504	.5
23	MP3A	Z	4.337	.5
24	MP3A	Mx	002	.5
25	MP3A	X	2.504	5.08
26	МРЗА	Z	4.337	5.08
27	MP3A	Mx	002	5.08
28	MP3B	X	2.401	.5

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

	oint Loads (BLC 32 : . Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP3B	Z	4.158	.5
30	MP3B	Mx	.005	.5
31	MP3B	X	2.401	5.08
32	MP3B	Z	4.158	5.08
3	MP3B	Mx	.005	5.08
34	MP3C	X	2.892	.5
35	MP3C	Z	5.01	.5
36	MP3C	Mx	006	.5
37	MP3C	X	2.892	5.08
38	MP3C	Z	5.01	5.08
39	MP3C	Mx	006	5.08
40	MP1A	X	1.3	1.79
41	MP1A	Z	2.252	1.79
42	MP1A	Mx	001	1.79
43	MP1A	X	1.3	3.79
14	MP1A	Z	2.252	3.79
45	MP1A	Mx	001	3.79
46	MP1B	X	1.077	1.79
47	MP1B	Z	1.866	1.79
48	MP1B	Mx	.001	1.79
49	MP1B	X	1.077	3.79
50	MP1B	Z	1.866	3.79
51	MP1B	Mx	.001	3.79
52	MP1C	X	2.139	1.79
53	MP1C	Z	3.704	1.79
54	MP1C	Mx	001	1.79
55	MP1C	X	2.139	3.79
56	MP1C	Z	3.704	3.79
57	MP1C	Mx	001	3.79
58	MP2A	X	1.524	2.79
59	MP2A	Z	2.639	2.79
60	MP2A	Mx	.001	2.79
61	MP2B	X	1.435	2.79
52	MP2B	Z	2.486	2.79
63	MP2B	Mx	001	2.79
64	MP2C	X	1.856	2.79
65	MP2C	Z	3.215	2.79
66	MP2C	Mx	.000928	2.79
67	MP3A	X	1.338	2.79
68	MP3A	Z	2.317	2.79
69	MP3A	Mx	.001	2.79
70	MP3B	X	1.338	2.79
71	MP3B	Z	2.317	2.79
7.2	MP3B	Mx	.001	2.79
73	MP3C	X	1.338	2.79
74	MP3C	Z	2.317	2.79
75	MP3C	Mx	.001	2.79
76	M100	X	3.393	1
77	M100	Z	5.877	1
78	M100	Mx	0	
79	MP4A	X	4.383	.5
30	MP4A	Z	7.592	.5
31	MP4A	Mx	002	.5
32	MP4A	X	4.383	5.08
83	MP4A	Z	7.592	5.08
84	MP4A	Mx	002	5.08
85	MP4B	X	2.713	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
86	MP4B	Z	4.699	.5
87	MP4B	Mx	.003	.5
88	MP4B	X	2.713	5.08
89	MP4B	Z	4.699	5.08
90	MP4B	Mx	.003	5.08
91	MP4C	X	4.383	.5
92	MP4C	Z	7.592	.5
93	MP4C	Mx	002	.5
94	MP4C	X	4.383	5.08
95	MP4C	Z	7.592	5.08
96	MP4C	Mx	002	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3C	X	-0	.25
2	MP3C	Z	2.506	.25
3	MP3C	Mx	0	.25
4	MP3A	X	0	.5
5	MP3A	Z	4.62	.5
6	MP3A	Mx	004	.5
7	MP3A	X	0	5.08
8	MP3A	Z	4.62	5.08
9	MP3A	Mx	004	5.08
10	MP3B	X	0	.5
11	MP3B	Z	5.531	.5
12	MP3B	Mx	8.1e-5	.5
13	MP3B	X	0	5.08
14	MP3B	Z	5.531	5.08
15	MP3B	Mx	8.1e-5	5.08
16	MP3C	X	0	.5
17	MP3C	Z	6.173	.5
18	MP3C	Mx	.005	.5
19	MP3C	X	0	5.08
20	MP3C	Z	6.173	5.08
21	MP3C	Mx	.005	5.08
22	MP3A	X	0	.5
23	MP3A	Z	4.62	.5
24	MP3A	Mx	004	.5
25	MP3A	X	0	5.08
26	MP3A	Z	4.62	5.08
27	MP3A	Mx	004	5.08
28	MP3B	X	0	.5
29	MP3B	Z	5.531	.5
30	MP3B	Mx	.006	.5
31	MP3B	X	0	5.08
32	MP3B	Z	5.531	5.08
33	MP3B	Mx	.006	5.08
34	MP3C	X	0	.5
35	MP3C	Z	6.173	.5
36	MP3C	Mx	005	.5
37	MP3C	X	0	5.08
38	MP3C	Ž	6.173	5.08
39	MP3C	Mx	005	5.08
40	MP1A	X	005	1.79
41	MP1A	Z	1.762	1.79
42	MP1A	Mx	000881	1.79



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

	er Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43 M	P1A	X	0	3.79 3.79
44 M	P1A		1.762	
45 M	P1A	Mx	000881	3.79 1.79
46 M	P1B	X	0	1.79
	P1B	Z	3.73	1.79
48 M	P1B	Mx	.001	3.79
49 M	P1B	X	0	3.79
50 M	P1B	Z	3.73	3.79
51 M	P1B	Mx	.001	1.79
52 M	P1C	X	0	1.79
	P1C	Z	5.116	1.79
54 M	P1C	Mx	0	3.79
55 M	P1C	X	0	3.79
56 M	P1C	Z	5.116	3.79
57 M	P1C	Mx	0	
58 M	P2A	X	0	2.79 2.79
59 M	P2A	Z	2.714	2.79
60 M	P2A	Mx	.001	2.79 2.79
61 M	P2B	X	0	
62 M	P2B	Z	3.496	2.79
63 M	P2B	Mx	001	2.79
64 M	P2C	X	0	2.79
65 M	P2C	Z	4.046	2.79
66 M	P2C	Mx	0	2.79
67 M	P3A	X	0	2.79
68 M	P3A	Z	2.219	2.79
69 M	P3A	Mx	.001	2.79
70 M	P3B	X	0	2.79
	P3B	Z	2.219	2.79
72 M	P3B	Mx	.001	2.79
73 M	P3C	X	0	2.79
	P3C	Z	2.219	2.79
	P3C	Mx	.001	2.79
76 N	100	X	0	1
77 N	100	Z	6.29	1
	100	Mx	0	
	P4A	X	0	.5
	P4A	Z	6.54	.5
	P4A	Mx	003	.5
	P4A	X	0	5.08
	P4A	Z	6.54	5.08
	P4A	Mx	003	5.08
	P4B	X	0	.5
	P4B	Z	6.54	.5
	P4B	Mx	.003	
	P4B	X	0	5.08
	P4B	Z	6.54	5.08
	P4B	Mx	.003	5.08
	P4C	X	0	.5
	P4C	Z	9.879	.5
93 M	P4C	Mx	0	.5
	P4C	X	0	5.08
	P4C	Z	9.879	5.08
	P4C	Mx	0	5.08

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

Magnitude(lib.k.ft) Legation(ft.k.ft)

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3C	X	-1.042	.25
2	MP3C	Z	1.806	.25
3	MP3C	Mx	000521	.25
4	MP3A	X	-2.504	.5
5	MP3A	Z	4.337	.5
6	MP3A	Mx	002	.5
7	MP3A	X	-2.504	5.08
8	MP3A	Z	4.337	5.08
9	MP3A	Mx	002	5.08
10	MP3B	X	-3.063	.5
11	MP3B	Z	5.305	.5
12	MP3B	Mx	004	.5
13	MP3B	X	-3.063	5.08
14	MP3B	Z	5.305	5.08
15	MP3B	Mx	004	5.08
16	MP3C	X	-2.892	.5
17	MP3C	Z	5.01	.5
18	MP3C	Mx	.006	.5
19	MP3C	X	-2.892	5.08
20	MP3C	Z	5.01	5.08
21	MP3C	Mx	.006	5.08
22	MP3A	X	-2.504	.5
23	MP3A	Z	4.337	.5
24	MP3A	Mx	006	.5
25	MP3A	X	-2.504	5.08
26	MP3A	Z	4.337	5.08
27	MP3A	Mx	006	5.08
28	MP3B	X	-3.063	.5
29	MP3B	Z	5.305	.5
30	MP3B	Mx	.005	.5
31	MP3B	X	-3.063	5.08
32	MP3B	Z	5.305	5.08
33	MP3B	Mx	.005	5.08
34	MP3C	X	-2.892	.5
35	MP3C	Z	5.01	.5
36	MP3C	Mx	001	.5
37	MP3C	X	-2.892	5.08
38	MP3C	Z	5.01	5.08
39	MP3C	Mx	001	5.08
40	MP1A	X	-1.3	1.79
11	MP1A	Z	2.252	1.79
2	MP1A	Mx	001	1.79
13	MP1A	X	-1.3	3.79
4	MP1A		2.252	3.79
15	MP1A	Mx	001	3.79
6	MP1B	X	-2.507	1.79
7	MP1B	Z	4.343	1.79
8	MP1B	Mx	.000436	1.79
9	MP1B	X	-2.507	3.79
0	MP1B	Z	4.343	3.79
1	MP1B	Mx	.000436	3.79
52	MP1C	X	-2.139	1.79
3	MP1C	Z	3.704	1.79
4	MP1C	Mx	.001	1.79
55	MP1C	X	-2.139	3.79
6	MP1C	Z	3.704	3.79
57	MP1C	Mx	.001	3.79

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	-1.524	2.79
59	MP2A	Z	2.639	2.79
60	MP2A	Mx	.001	2.79
61	MP2B	X	-2.003	2.79
62	MP2B	Z	3.469	2.79
63	MP2B	Mx	000348	2.79
	MP2C	X	-1.856	2.79
64	MP2C	Ž	3.215	2.79
65	MP2C	Mx	000928	2.79
66	MP3A	X	-1.338	2.79
67		Ž	2.317	2.79
68	MP3A MP3A	Mx	.001	2.79
69	MP3B	X	-1.338	2.79
70		Z	2.317	2.79
71	MP3B	Mx	.001	2.79
72	MP3B	X	-1.338	2.79
73	MP3C	Z	2.317	2.79
74	MP3C	Mx	.001	2.79
75	MP3C	X	-3.393	1
76	M100	Ž	5.877	1
77	M100	Mx	0	Tuber 1
78	M100	X	-2.713	.5
79	MP4A	Ž	4.699	.5
80	MP4A		003	.5
81	MP4A	Mx X	-2.713	5.08
82	MP4A	Z	4.699	5.08
83	MP4A		003	5.08
84	MP4A	Mx	-4.383	.5
85	MP4B	X	7.592	.5
86	MP4B		.002	.5
87	MP4B	Mx	-4.383	5.08
88	MP4B	X	7.592	5.08
89	MP4B	Z	.002	5.08
90	MP4B	<u>Mx</u>	-4.383	.5
91	MP4C	X	7.592	.5
92	MP4C	Z		.5
93	MP4C	Mx	.002	5.08
94	MP4C	X	-4.383	5.08
95	MP4C	Z	7.592	5.08
96	MP4C	Mx	.002	5.06

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4		X	-1.077	.25
1	MP3C		.622	.25
2	MP3C	Mx	000538	.25
3	MP3C	X	-5.01	.5
4	MP3A	7	2.892	.5
5	MP3A	Mx	.000898	.5
6	MP3A	IVIX	-5.01	5.08
7	MP3A	7	2.892	5.08
8	MP3A		.000898	5.08
9	MP3A	Mx	-5.188	.5
10	MP3B	X		.5
11	MP3B		2.996	.5
12	MP3B	Mx	006	
13	MP3B	X	-5.188	5.08
14	MP3B	Z	2.996	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP3B	Mx	006	5.08
16	MP3C	X	-4.337	.5
17	MP3C	Z	2.504	.5
18	MP3C	Mix	.006	.5
19	MP3C	X	-4.337	5.08
20	MP3C	Z	2.504	5.08
21	MP3C	Mx	.006	5.08
22	MP3A	X	-5.01	.5
23	MP3A	Z	2.892	.5
24	MP3A	Mx	006	.5
25	MP3A	X	-5.01	5.08
6	MP3A	Z	2.892	5.08
7	MP3A	Mx	006	5.08
.8	MP3B	X	-5.188	.5
9	MP3B	Z	2.996	.5
0	MP3B	Mx	.002	.5
1	MP3B	X	-5.188	5.08
2	MP3B	Z	2.996	5.08
3	MP3B	Mx	.002	5.08
4	MP3C	X	-4.337	.5
5	MP3C	Z	2.504	.5
6	MP3C	Mx	.002	.5
7	MP3C	X	-4.337	5.08
8	MP3C	Z	2.504	5.08
9	MP3C	Mx	.002	5.08
0	MP1A	X	-3.704	1.79
1	MP1A	Z :	2.139	1.79
2	MP1A	Mx	001	1.79
3	MP1A	X	-3.704	3.79
4	MP1A	Z	2.139	3.79
5	MP1A	Mx	001	3.79
6	MP1B	X	-4.091	1.79
7	MP1B	Z	2.362	1.79
8	MP1B	Mix	000808	1.79
9	MP1B	X	-4.091	3.79
0	MP1B	Z	2.362	3.79
1	MP1B	Mx	000808	3.79
2	MP1C	X	-2.252	1.79
3	MP1C	Z	1.3	1.79
4	MP1C	Mx	.001	1.79
5	MP1C	X	-2.252	3.79
3	MP1C	Z	1.3	3.79
7	MP1C	Mx	.001	3.79
3	MP2A	X	-3.215	2.79
9	MP2A	Z	1.856	2.79
)	MP2A	Mx	.000928	2.79
1	MP2B	X	-3.369	2.79
2	MP2B	Z	1.945	2.79
3	MP2B	Mx	.000665	2.79
1	MP2C	X	-2.639	2.79
5	MP2C	Z	1.524	2.79
3	MP2C	Mx	001	2.79
7	MP3A	X	-3.108	2.79
3	MP3A	Z	1.794	2.79
9	MP3A	Mx	.000897	2.79
0	MP3B	X	-3.108	
1	MP3B	Z	1.794	2.79 2.79

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP3B	Mx	.000897	2.79
73	MP3C	X	-3.108	2.79
74	MP3C	Z	1.794	2.79
75	MP3C	Mx	.000897	2.79
76	M100	X	-6.736	1 3.41
77	M100	Z	3.889	1
78	M100	Mx	0	
79	MP4A	X	-5.663	5
80	MP4A	Z	3,27	.5
81	MP4A	Mx	003	.5
82	MP4A	X	-5.663	5.08
83	MP4A	Z	3.27	5.08
84	MP4A	Mx	003	5.08
85	MP4B	X	-8.556	.5
86	MP4B	Z	4.94	.5
87	MP4B	Mx	0	.5
88	MP4B	X	-8.556	5.08
89	MP4B	Z	4.94	5.08
90	MP4B	Mx	0	5.08
91	MP4C	X	-5.663	.5
92	MP4C	Z	3.27	.5
93	MP4C	Mx	.003	.5
94	MP4C	X	-5.663	5.08
95	MP4C	Z	3.27	5.08
96	MP4C	Mx	.003	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3C	X	823	.25
2	MP3C	Z	0	.25
3	MP3C	Mx	000412	.25
4	MP3A	X	-6.173	.5
5	MP3A	Z	0	.5
6	MP3A	Mx	.004	.5
7	MP3A	X	-6.173	5.08
8	MP3A	Z	0	5.08
9	MP3A	Mx	.004	5.08
10	MP3B	X	-5.261	.5
11	MP3B	Z	0	.5
12	MP3B	Mx	006	.5
13	MP3B	X	-5.261	5.08
14	MP3B	7	0	5.08
15	MP3B	Mx	006	5.08
16	MP3C	X	-4.62	.5
17	MP3C	Ž	0	.5
18	MP3C	Mx	.004	.5
	MP3C	X	-4.62	5.08
19	MP3C	Ž	0	5.08
20	MP3C	Mx	.004	5.08
21	MP3A	X	-6.173	.5
22	MP3A	Z	0	.5
23	MP3A	Mx	004	.5
24	MP3A MP3A	X	-6.173	5.08
25		Ž	0	5.08
26	MP3A	Mx	004	5.08
27 28	MP3A MP3B	X	-5.261	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP3B	Z	0	.5
30	MP3B	Mx	001	.5
31	MP3B	X	-5.261	5.08
32	MP3B	Z	0	5.08
33	MP3B	Mx	001	5.08
34	MP3C	X	-4.62	.5
35	MP3C	Z	0	.5
36	MP3C	Mx	.004	.5
37	MP3C	X	-4.62	5.08
38	MP3C	Z	0	5.08
9	MP3C	Mx	.004	5.08
0	MP1A	X	-5.116	1.79
1	MP1A	Z	0	1.79
2	MP1A	Mx	0	1.79
3	MP1A	X	-5.116	3.79
4	MP1A	Z	0	3.79
5	MP1A	Mx	0	3.79
6	MP1B	X	-3.148	1.79
7	MP1B	Z	0	1.79
8	MP1B	Mx	001	1.79
9	MP1B	X	-3.148	3.79
0	MP1B	Z	0	3.79
1	MP1B	Mx	001	3.79
2	MP1C	X	-1.762	1.79
3	MP1C	Z	0	1.79
4	MP1C	Mx	.000881	1.79
5	MP1C	X	-1.762	3.79
6	MP1C	Z	0	3.79
7	MP1C	Mx	.000881	3.79
8	MP2A	X	-4.046	2.79
9	MP2A	Z	0	2.79
0	MP2A	Mx	0	2.79
1	MP2B	X	-3.264	2.79
2	MP2B	Z	0	2.79
3	MP2B	Mx	.001	2.79
4	MP2C	X	-2.714	2.79
5	MP2C	Z	0	2.79
6	MP2C	Mx	001	2.79
7	MP3A	X	-4.046	2.79
8	MP3A	Z	0	2.79
9	MP3A	Mx	0	2.79
0	MP3B	X	-4.046	2.79
1	MP3B	Z	0	2.79
2	MP3B	Mx	Ö	2.79
3	MP3C	X	-4.046	2.79
4	MP3C	Z	0	2.79
5	MP3C	Mx	0	2.79
6	M100	X	-8.274	1
7	M100	Z	0	1
8	M100	Mx	Ö	
9	MP4A	X	-8.766	.5
0	MP4A	Z	0	.5
1	MP4A	Mx	002	.5
2	MP4A		-8.766	5.08
3	MP4A	X Z	0	5.08
4	MP4A	Mx	002	5.08
		IVIA	002	



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP4B	Z	0	.5
87	MP4B	Mx	002	.5
88	MP4B	X	-8.766	5.08
89	MP4B	Z	0	5.08
90	MP4B	Mx	002	5.08
91	MP4C	X	-5.426	.5
92	MP4C	Z	0	.5
93	MP4C	Mx	.003	.5
94	MP4C	X	-5.426	5.08
95	MP4C	Z	0	5.08
96	MP4C	Mx	.003	5.08

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

	Point Loads (BLC 37 : Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3C	X	-1.077	.25
2	MP3C	Z	622	.25
3	MP3C	Mx	000538	.25
4	MP3A	X	-5.01	.5
5	MP3A	Z	-2.892	.5
6	MP3A	Mx	.006	.5
7	MP3A	X	-5.01	5.08
8	MP3A	Z	-2.892	5.08
9	MP3A	Mx	.006	5.08
10	MP3B	X	-4.041	.5
11	MP3B	Z	-2.333	.5
12	MP3B	Mx	005	,5
13	MP3B	X	-4.041	5.08
14	MP3B	Z	-2.333	5.08
15	MP3B	Mx	005	5.08
16	MP3C	X	-4.337	.5
17	MP3C	Z	-2.504	.5
18	MP3C	Mx	.002	.5
19	MP3C	X	-4.337	5.08
20	MP3C	Z	-2.504	5.08
21	MP3C	Mx	.002	5.08
22	MP3A	X	-5.01	.5
23	MP3A	Z	-2.892	.5
24	MP3A	Mx	000898	.5
25	MP3A	X	-5.01	5.08
26	MP3A	Z	-2.892	5.08
27	MP3A	Mx	000898	5.08
28	MP3B	X	-4.041	.5
29	MP3B	Z	-2.333	.5
30	MP3B	Mx	004	.5
31	MP3B	X	-4.041	5.08
32	MP3B	Z	-2.333	5.08
33	MP3B	Mx	004	5.08
34	MP3C	X	-4.337	.5
35	MP3C	Z	-2.504	.5
36	MP3C	Mx	.006	.5
37	MP3C	X	-4.337	5.08
38	MP3C	Z	-2.504	5.08
39	MP3C	Mx	.006	5.08
40	MP1A	X	-3.704	1.79
41	MP1A	Z	-2.139	1.79
42	MP1A	Mx	.001	1.79



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP1A	X	-3.704	3.79
44	MP1A	Z	-2.139	3.79
45	MP1A	Mx	.001	3.79
46	MP1B	X	-1.613	1.79
47	MP1B	Z	931	1.79
48	MP1B	Mx	000917	1.79
49	MP1B	X	-1.613	3.79
50	MP1B	Z	931	3.79
51	MP1B	Mx	000917	3.79
52	MP1C	X	-2.252	1.79
53	MP1C	Z	-1.3	1.79
54	MP1C	Mx	.001	1.79
55	MP1C	X	-2.252	3.79
56	MP1C	Z	-1.3	3.79
57	MP1C	Mx	.001	3.79
58	MP2A	X	-3.215	2.79
59	MP2A	Z	-1.856	2.79
60	MP2A	Mx	000928	2.79
51	MP2B	X	-2.386	2.79
62	MP2B	Z	-1.377	2.79
53	MP2B	Mx	.001	2.79
34	MP2C	X	-2.639	2.79
35	MP2C	Z	-1.524	2.79
66	MP2C	Mx	001	2.79
57	MP3A	X	-3.108	2.79
68	MP3A	Z	-1.794	2.79
39	MP3A	Mx	000897	2.79
70	MP3B	X	-3.108	2.79
71	MP3B	Z	-1.794	2.79
72	MP3B	Mx	000897	2.79
73	MP3C	X	-3.108	2.79
74	MP3C	Z	-1.794	2.79
75	MP3C	Mx	000897	2.79
76	M100	X	-6.736	1
77	M100	Z	-3.889	1
78	M100	Mx	0	
79	MP4A	X	-8.556	.5
30	MP4A	Z	-4.94	.5
31	MP4A	Mx	0	.5
32	MP4A	X	-8.556	5.08
33	MP4A	Z	-4.94	5.08
34	MP4A	Mx	0	5.08
35	MP4B	X	-5.663	.5
36	MP4B	Z	-3.27	.5
37	MP4B	Mx	003	.5
38	MP4B	X	-5.663	5.08
39	MP4B	Z	-3.27	5.08
90	MP4B	Mx	003	5.08
91	MP4C	X	-5.663	.5
92	MP4C	Z	-3.27	.5
93	MP4C	Mx	.003	.5
94	MP4C	X	-5.663	5.08
95	MP4C	Z	-3.27	5.08
96	MP4C	Mx	.003	5.08

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

Member Lobel Direction Magnitude (III Location (# 1/1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3C	X	-1.042	.25
2	MP3C	Z	-1.806	.25
3	MP3C	Mx	000521	.25
	MP3A	X	-2.504	.5
5	MP3A	Z	-4.337	.5
5	MP3A	Mx	.006	.5
7	MP3A	X	-2.504	5.08
8	MP3A	Z	-4.337	5.08
9	MP3A	Mx	.006	5.08
0	MP3B	X	-2.401	.5
11	MP3B	Z	-4.158	.5 .5
12	MP3B	Mx	003	5.08
13	MP3B	X	-2.401	5.08
14	MP3B	Z	-4.158	5.08
15	MP3B	Mx	003	
16	MP3C	X	-2.892	.5 .5
17	MP3C	Z	-5.01	.5
18	MP3C	Mx	001	5.08
19	MP3C	X	-2.892	5.08
20	MP3C	Z	-5.01	
21	MP3C	Mx	001	5.08 .5
22	MP3A	X	-2.504	.5 .5
23	MP3A	Z	-4.337	.5
24	MP3A	Mx	.002	5.08
25	MP3A	X	-2.504	
26	MP3A	Z	-4.337	5.08
27	MP3A	Mx	.002	5.08
28	MP3B	X	-2.401	.5
29	MP3B	Z	-4.158	.5 .5
30	MP3B	Mx	005	5.08
31	MP3B	X	-2.401	
32	MP3B	Z	-4.158	5.08
33	MP3B	Mx	005	5.08
34	MP3C	X	-2.892	.5
35	MP3C	Z	-5.01	.5 .5
36	MP3C	Mx	.006	
37	MP3C	X	-2.892	5.08
38	MP3C	Z	-5.01	5.08
39	MP3C	Mx	.006	5.08
40	MP1A	X	-1.3	1.79
41	MP1A	Z	-2.252	1.79 1.79
42	MP1A	Mx	.001	
43	MP1A	X	-1.3	3.79 3.79
14	MP1A	Z	-2.252	3.79
45	MP1A	Mx	.001	1.79
46	MP1B	X	-1.077	
47	MP1B	Z	-1.866	1.79
48	MP1B	Mx	001	1.79
19	MP1B	X	-1.077	3.79
50	MP1B	Z	-1.866	3.79
51	MP1B	Mx	001	3.79
52	MP1C	X	-2.139	1.79
53	MP1C	Z	-3.704	1.79
54	MP1C	Mx	.001	1.79
55	MP1C	X	-2.139	3.79
56	MP1C	Z	-3.704	3.79
57	MP1C	Mx	.001	3.79



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	-1.524	2.79
59	MP2A	Z	-2.639	2.79
60	MP2A	Mx	001	2.79
61	MP2B	X	-1.435	2.79
62	MP2B	Z	-2.486	2.79
63	MP2B	Mx	.001	2.79
64	MP2C	X	-1.856	2.79
65	MP2C	Z	-3.215	2.79
66	MP2C	Mx	000928	2.79
67	MP3A	X	-1.338	2.79
68	MP3A	Z	-2.317	2.79
69	MP3A	Mx	001	2.79
70	MP3B	X	-1.338	2.79
71	MP3B	Z	-2.317	2.79
72	MP3B	Mx	001	2.79
73	MP3C	X	-1.338	2.79
74	MP3C	Ž	-2.317	2.79
75	MP3C	Mx	001	2.79
76	M100	X	-3.393	1
77	M100	Z	-5.877	1 :
78	M100	Mx	0	1
79	MP4A	X	-4.383	.5
80	MP4A	Ž	-7.592	.5
81	MP4A	Mx	.002	.5
82	MP4A	X	-4.383	5.08
83	MP4A	Z	-7.592	5.08
84	MP4A	Mx	.002	5.08
85	MP4B	X	-2.713	.5
86	MP4B	Ž	-4.699	.5
87	MP4B	Mx	003	.5
88	MP4B	X	-2.713	5.08
89	MP4B	Z	-4.699	5.08
90	MP4B	Mx	003	5.08
91	MP4C	X	-4.383	.5
92	MP4C	Z	-7.592	.5
93	MP4C	Mx	.002	.5
94	MP4C	X	-4.383	5.08
95	MP4C	Z	-7.592	5.08
96	MP4C	Mx	.002	5.08

Member Point Loads (BLC 77 : Lm1)

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

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude(lb.k-ft)	Location[ft %]
1	LM1	Υ	-500	0

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

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

, Woder Name

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3C	Y	0	.25
2	MP3C	My	0	.25
3	MP3C	Mz	0	,25
4	MP3A	Y	0	.5
5	MP3A	My	0	.5
6	MP3A	Mz	0	.5
7	MP3A	Y	0	5.08
8	MP3A	My	0	5.08
9	MP3A	Mz	0	5.08
10	MP3B	Y	0	.5
11	MP3B	My	0	.5
12	MP3B	Mz	0	.5
13	MP3B	Y	0	5.08
14	MP3B	My	0	5.08
15	MP3B	Mz	0	5.08
16	MP3C	Υ	0	.5
17	MP3C	My	0	.5
18	MP3C	Mz	0	.5
19	MP3C	Y	0	5.08
20	MP3C	My	0	5.08
21	MP3C	Mz	0	5.08
22	MP3A	Υ	0	A .5
23	MP3A	My	0	.5
24	MP3A	Mz	0	.5
25	MP3A	Y	0	5.08
26	MP3A	My	0	5.08
27	MP3A	Mz	0	5.08
28	MP3B	Y	0	.5
29	MP3B	My	0	.5
30	MP3B	Mz	0	.5
31	MP3B	Y	0	5.08
32	MP3B	My	0	5.08
33	MP3B	Mz	0	5.08
34	MP3C	Y	0	.5
35	MP3C	My	0	.5
36	MP3C	Mz	0	.5
37	MP3C	Y	0	5.08
38	MP3C	My	0	5.08
39	MP3C	Mz	0	5.08
40	MP1A	Y	0	1.79
41	MP1A	My	0	1.79
42	MP1A	Mz	0	1.79
43	MP1A	Y	0	3.79
44	MP1A	My	0	3.79
45	MP1A	Mz	0	3.79
46	MP1B	Y	0	1.79
47	MP1B	My	0	1.79
48	MP1B	Mz	0	1.79
49	MP1B	Υ	0	3.79
50	MP1B	My	0	3.79
51	MP1B	Mz	0	3.79
52	MP1C	Y	0	1.79
53	MP1C	My	0	1.79
54	MP1C	Mz	0	1:79
	MP1C	Y	0	3.79
55	MP1C	My	0	3.79
56 57	MP1C	Mz	0	3.79



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	Y	0	2.79
59	MP2A	Mv	O I	2.79
60	MP2A	Mz	0	2.79
61	MP2B	Y	0	2.79
62	MP2B	My	0	2.79
63	MP2B	Mz	0	2.79
64	MP2C	Y	Ö	2.79
65	MP2C	Mv	0	2.79
66	MP2C	Mz	Ö	2.79
67	MP3A	Y	0	2.79
68	MP3A	My	Ö	2.79
69	MP3A	Mz	Ö	2.79
70	MP3B	Y	o l	2.79
71	MP3B	Mv	0	2.79
72	MP3B	Mz	ŏ	2.79
73	MP3C	Y	0	2.79
74	MP3C	My	ŏ	2.79
75	MP3C	Mz	o l	2.79
76	M100	Y	Ö	1
77	M100	Mv	0	1
78	M100	Mz	Ö	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW
79	MP4A	Y	0	.5
80	MP4A	Mv	0	.5
81	MP4A	Mz	0	.5
82	MP4A	Y	0	5.08
83	MP4A	Mv	0	5.08
84	MP4A	Mz	0	5.08
85	MP4B	Y	0	.5
86	MP4B	Mv	0	.5
87	MP4B	Mz	0	.5
88	MP4B	Y	Ö	5.08
89	MP4B	Mv	0	5.08
90	MP4B	Mz	0	5.08
91	MP4C	Y	0	.5
92	MP4C	Mv	Ö	.5
93	MP4C	Mz	0	.5
94	MP4C	Y	0	5.08
95	MP4C	My	0	5.08
96	MP4C	Mz	0	5.08

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

	Member Label	Direction	Magnitude[]b,k-ft]	Location[ft,%]
1	MP3C	Z	528	.25
2	MP3C	Mx	0	.25
3	MP3A	Z	69	.5
4	MP3A	Mx	.000633	.5
5	MP3A	Z	69	5.08
6	MP3A	Mx	.000633	5.08
7	MP3B	Z	69	.5
8	MP3B	Mx	-1e-5	.5
9	MP3B	Z	69	5.08
10	MP3B	Mx	-1e-5	5.08
11	MP3C	Z	69	.5
12	MP3C	Mx	000518	.5
13	MP3C	Z	69	5.08
14	MP3C	Mx	000518	5.08



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

	ember Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]	
15	MP3A	<u>Z</u>	69	.5 .5	
16	MP3A	Mx	.000633	5.08	
17	MP3A	Z	69	5.08	
18	MP3A	Mx	.000633	.5	
19	MP3B	Z	69 000803	.5	
20	MP3B	Mx		5.08	
21	MP3B	Z	69	5.08	
22	MP3B	Mx	000803	.5	
23	MP3C	Z	69	.5	
24	MP3C	Mx	.000518	5.08	
25	MP3C	Z	69	5.08	
26	MP3C	Mx	.000518	1.79	
27	MP1A	Z	-1.306	1.79	
28	MP1A	Mx	.000653	3.79	
29	MP1A	Z	-1.306	3.79	
30	MP1A	Mx	.000653	1.79	
31	MP1B	Z	-1.306	1.79	
32	MP1B	Mx	00042	3.79	
33	MP1B	Z	-1.306	3.79	
34	MP1B	Mx	00042	1.79	
35	MP1C	Z	-1.306		
36	MP1C	Mx	0	1.79 3.79	
37	MP1C	Z	-1.306		
38	MP1C	Mx	0	3.79	
39	MP2A	Z	-2.532	2.79 2.79	
40	MP2A	Mx	001	2.79	
41	MP2B	Z	-2.532		
42	MP2B	Mx	.000814	2.79 2.79	
43	MP2C	Z	-2.532	2.79	
44	MP2C	Mx	0		
45	MP3A	Z	-2.109	2.79	
46	MP3A	Mx	001	2.79	
47	MP3B	Z	-2.109	2.79	
48	MP3B	Mx	001	2.79	
49	MP3C	Z	-2.109	2.79	
50	MP3C	Mx	001	2.79 1	
51	M100	Z	96		
52	M100	Mx	0	1	
53	MP4A	Z	255	. <u>5</u>	
54	MP4A	Mx	.00011		
55	MP4A	Z	255	5.08	
56	MP4A	Mx	.00011	5.08	
57	MP4B	Z	255	.5	
58	MP4B	Mx	00011	.5	
59	MP4B	Z	255	5.08	
60	MP4B	Mx	00011	5.08	
61	MP4C	Z	255	.5	
62	MP4C	Mx	0	.5	
63	MP4C	Z	255	5.08	
64	MP4C	Mx	0	5.08	

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3C	X	.528	.25
	MP3C	Mx	.000264	.25
	MP3A	X	.69	.5

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

	ember Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]	
4	MP3A	Mx	000489	.5	
5	MP3A	X	.69	5.08	
6	MP3A	Mx	000489	5.08	
7	MP3B	X	.69	.5	
8	MP3B	Mx	.000817	.5	
9	MP3B	X	.69	5.08	
10	MP3B	Mx	.000817	5.08	
11	MP3C	X	.69	.5	
12	MP3C	Mx	000633	.5	
13	MP3C	X	.69	5.08	
14	MP3C	Mx	000633	5.08	
15	MP3A	X	.69	.5	
16	MP3A	Mx	.000489	.5	
17	MP3A	X	.69	5.08	
18	MP3A	Mx	.000489	5.08	
19	MP3B	X	.69	.5	
20	MP3B	Mx	.000152	.5	
21	MP3B	X	.69	5.08	
22	MP3B	Mx	.000152	5.08	
	MP3C	X	.69	.5	
	MP3C	Mx	000633	.5	
	MP3C	X	000633	5.08	
	MP3C	Mx	000633	5.08	
27	MP1A	X	1.306	1.79	
28	MP1A	Mx	0		
	MP1A	X	1.306	1.79	
	MP1A	Mx		3.79	
	MP1B	X	0 1.306	3.79	
	MP1B	Mx		1.79	
	MP1B	X	.0005 1.306	1.79	
	MP1B	Mx		3.79	
	MP1C	X	.0005	3.79	
	MP1C	Mx	1.306	1.79	
	MP1C	X	000653	1.79	
	MP1C	Mx	1.306	3.79	
	MP2A	X	000653	3.79	
	MP2A	Mx	2.532	2.79	
	MP2B	X	0	2.79	
	MP2B		2.532	2.79	
	MP2C	Mx X	00097 2.532	2.79	
	MP2C	Mx		2.79	
	MP3A		.001	2.79	
	MP3A	X	2.109	2.79	
	MP3B	Mx	0	2.79	
	MP3B	X	2.109	2.79	
	MP3C	Mx	0	2.79	
	MP3C	X	2.109	2.79	
		Mx	0	2.79	
	M100 M100	X	.96	1	
		Mx	0	191 1	
	MP4A	X	.255	.5	
	MP4A	Mx	6.4e-5	.5	
	MP4A	X	.255_	5.08	
	MP4A	Mx	6.4e-5	5.08	
	MP4B	X	.255	.5	
	MP4B	Mx	6.4e-5	.5	
	MP4B	X	.255	5.08	
30	MP4B	Mx	6.4e-5	5.08	



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

Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
	X	.255	.5
	Mx	000128	.5
	X	.255	5.08
	Mx	000128	5.08
	Member Label MP4C MP4C MP4C MP4C MP4C	MP4C X MP4C Mx MP4C X	MP4C X .255 MP4C Mx 000128 MP4C X .255

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
1	LV	Y	-10.918	-10.918	0	%100
2	M4	Y	-15.434	-15.434	0	%100
3	M10	Υ	-15.434	-15.434	0	%100
4	MP1A	Y	-8.562	-8.562	0	%100
5	M43	Y	-15.434	-15.434	0	%100
6	M46	Y	-16.178	-16.178	0	%100
7	M51B	Y	-9.512	-9.512	0	%100
8	M52B	Y	- 9.512	-9.512	0	%100
9	M76	Y	-16.178	-16.178	0	%100
10	M77	Y	-16.178	-16.178	0	%100
11	M80	Y	-16.178	-16.178	0	%100
12	M84	Y	-16.178	-16.178	0	%100
13	M85	Y	-16.178	-16.178	0	%100
14	M91	Y	-16.178	-16.178	0	%100
15	M34	Ý	-15.434	-15.434	0	%100
16	M35	Ý	-15.434	-15.434	0	%100
17	M36	Ý	-15.434	-15.434	0	%100
18	M37	Ý	-16.178	-16.178	0	%100
19	M40	Ý	-9.512	-9.512	0	%100
20	M41	Ý	-9.512	-9.512	0	%100
21	M45	Ý	-16.178	-16.178	0	%100
22	M46A	Ý	-16.178	-16.178	0	%100
23	M48	Y	-16.178	-16.178	0	%100
24	M50A	Ý	-16.178	-16.178	0	%100
25	M51C	Ý	-16.178	-16.178	0	%100
26	M53	Ý	-16.178	-16,178	0	%100
27	M58A	Ý	-15.434	-15.434	0	%100
28	M59A	Ý	-15.434	-15.434	0	%100
29	M60	Y	-15.434	-15.434	0	%100
30	M61	Y	-16.178	-16.178	0	%100
31	M64	Ý	-9.512	-9.512	0	%100
32	M65	Ý	-9.512	-9.512	0	%100
	M69	Y	-16.178	-16.178	0	%100
33		Ý	-16.178	-16.178	0	%100
	M70 M72	Y	-16,178	-16,178	0	%100
35		Y	-16.178	-16.178	0	%100
36	M74	Y	-16.178	-16.178	0	%100
37	M75 M77A	Y	-16.178	-16.178	0	%100
38		Y	-8.562	-8.562	0	%100
39	MP2A	Y	-9.609	-9.609	0	%100
40	MP3A	Y	-8.562	-8.562	0	%100
41	MP4A	Y	-10.918	-10.918	0	%100
42	M81A	Y	-8.562	-8.562	Ö	%100
43	MP1C	Y	-8.562	-8.562	0	%100
44	MP4C	Y	-10.918	-10.918	0	%100
45	M90	Y	-8.562	-8.562	0	%100
46	MP1B	Y	-8.562	-8.562	0	%100
47	MP4B	Y	-8.562	-8.562	0	%100
48	M100	Y	-0.30Z	-0.502		

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

	Member Label	Direction	Start MagnitudeIlb/ft	End Magnitude[lb/ft,F	Start Location[ft %]	End Location[ft,%]
49	M102	Y	-9.609	-9.609	0	%100
50	M107	Υ	-9.609	-9.609	0	%100
51	M112	Υ	-9.609	-9.609	0	%100
52	M123	Y	-12,473	-12.473	0	%100
53	M124	Y	-12.473	-12.473	0	%100
54	M125	Y	-12.473	-12.473	0	%100
55	M126	Υ	-16.938	-16.938	0	%100 %100
56	M127	Y	-16.938	-16.938	0	%100
57	M128	Y	-16.938	-16.938	n	%100
58	MP2C	Y	-8.562	-8.562	0	%100
59	MP3C	Y	-9.609	-9.609	n	%100 %100
60	MP2B	Y	-8.562	-8.562	Ů	%100 %100
61	MP3B	Y	-9.609	-9.609	0	%100 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
1	LV	X	0	0	0	%100
2	LV	Z	-14.031	-14.031	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-12.354	-12.354	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	-9.754	-9.754	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	-12.354	-12.354	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	-24.641	-24.641	Ö	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	-3.421	-3.421	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	-3.421	-3.421	Ö	%100
17	M76	X	0	0	Ö	%100 %100
18	M76	Z	0	0	Ö	%100 %100
19	M77	X	0	0	0	%100 %100
20	M77	Z	-6.274	-6.274	0	%100
21	M80	X	0	0.211	0	%100 %100
22	M80	Z	-6.609	-6.609	Ö	%100
23	M84	X	0	0.000	0	%100 %100
24	M84	Z	0	0	Ö	%100 %100
25	M85	X	0	0	0	%100 %100
26	M85	Z	-6.274	-6.274	Ö	%100 %100
27	M91	X	0	0.2.4	0	%100 %100
28	M91	Z	-6.609	-6.609	0	%100 %100
29	M34	X	0	0.000	0	%100 %100
30	M34	Z	-10.95	-10.95	0	%100
31	M35	X	0	0	0	%100 %100
32	M35	Z	-3.088	-3.088	0	%100 %100
33	M36	X	0	-3.000	0	%100 %100
34	M36	Z	-3.088	-3.088	0	%100 %100
35	M37	X	0	-5.086	0	%100 %100
36	M37	Z	-6.16	-6.16	0	%100 %100
37	M40	X	0	-0.10	0	%100 %100
38	M40	Z	-3.421	-3.421	0	%100 %100
39	M41	X	-3.421	-3.421	0	
40	M41	7	-13.683	-13.683	0	%100 %100



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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F.		End Location[ft.9
41	M45	X	0	0	0	%100
42	M45	Z	-18.481	-18.481	0	%100
43	M46A	X	0	0	0	%100
44	M46A	Z	-6.274	-6.274	0	%100
45	M48	X	0	0	0	%100
46	M48	Z	-6.609	-6.609	0	%100
47	M50A	X	0	0	0	%100
48	M50A	Z	-18.481	-18.481	0	%100
49	M51C	X	0	0	0	%100
50	M51C	Z	-25.097	-25.097	0	%100
51	M53	X	0	0	0	%100
52	M53	Z	-26.434	-26.434	0	%100
53	M58A	X	0	0	0	%100
54	M58A	Z	-10.95	-10.95	0	%100
55	M59A	X	0	0	0	%100
56	M59A	Z	-3.088	-3.088	0	%100 %100
57	M60	X	0	0	0	%100 %100
58	M60	Z	-3.088	-3.088	0	%100 %100
59	M61	X	0	0	0	%100 %100
30	M61	Z	-6.16	-6.16	0	%100 %100
51	M64	X	0	0	0	
32	M64	Z	-13.683	-13.683	0	%100 %100
33	M65	X	0	0	0	%100 %100
64	M65	Z	-3.421	-3.421	0	%100
35	M69	X	0	0	0	%100
36	M69	Z	-18.481	-18.481	0	%100
37	M70	X	0	0	0	%100
86	M70	Z	-25.097	-25.097	0	%100
39	M72	X	0	0	0	%100
70	M72	Z	-26.434	-26.434	0	%100
71	M74	X	0	0	0	%100
72	M74	Z	-18.481	-18.481	0	%100
73	M75	X	0	0	0	%100 %100
74	M75	Z	-6.274	-6.274	0	%100
75	M77A	X	0	0	0	%100 %100
76	M77A	Z	-6.609	-6.609	0	%100 %100
77	MP2A	X	0	0	0	%100 %100
78	MP2A	Z	-9.754	-9.754	0	%100 %100
79	MP3A	X	0	0	0	%100 %100
30	MP3A	Z	-11.807	-11.807	0	
31	MP4A	X	0	0	0	%100 %100
32	MP4A	Z	-9.754	-9.754	0	%100 %100
33	M81A	X	0	0	0	%100 %100
34	M81A	Z	-3.508	-3.508	0	%100
35	MP1C	X	0	0	0	%100
36	MP1C	Z	-9.754	-9.754	0	%100 %400
37	MP4C	X	0	0	0	%100
38	MP4C	Z	-9.754	-9.754	0	%100
89	M90	X	0	0	0	%100
90	M90	Z	-3.508	-3.508	0	%100
91	MP1B	X	0	0	0	%100
92	MP1B	Z	-9.754	-9.754	0	%100
93	MP4B	X	0	0	0	%100
94	MP4B	Z	-9.754	-9.754	0	%100
95	M100	X	0	0	0	%100
96	M100	Z	-7.976	-7.976	0	%100
97	M102	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude(lb/ft	End Magnitude[lb/ft,F	Start Location[ft.%]	End Location[ft,%]
98	M102	Z	-11.807	-11.807	0	%100
99	M107	X	0	0	0	%100
100	M107	Z	-2.952	-2.952	0	%100
101	M112	X	0	0	0	%100
102	M112	Z	-2.952	-2.952	0	%100
103	M123	X	0	0	0	%100
104	M123	Z	-3.25	-3.25	0	%100
105	M124	X	0	0	0	%100
106	M124	Z	-3.25	-3.25	0	%100
107	M125	X	0	0	0	%100
108	M125	Z	-13.001	-13.001	0	%100
109	M126	X	0	0	0	%100
110	M126	Z	-23.693	-23.693	0	%100
111	M127	X	0	0	0	%100
112	M127	Z	-20.675	-20.675	0	%100
113	M128	X	0	0	0	%100
114	M128	Z	-20.675	-20.675	0	%100
115	MP2C	X	0	0	0	%100
116	MP2C	Z	-9.754	-9.754	0	%100
117	MP3C	X	0	0	0	%100
118	MP3C	Z	-11.807	-11.807	0	%100
119	MP2B	X	0	0	0	%100
120	MP2B	Z	-9.754	-9.754	0	%100
121	MP3B	X	0	0	0	%100
122	MP3B	Z	-11.807	-11.807	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft.%]	End Location[ft,%]
1	LV	X	5.262	5.262	0	%100
2	LV	Z	-9.114	-9.114	0	%100
3	M4	X	1.825	1.825	0	%100
4	M4	Z	-3.161	-3.161	0	%100
5	M10	X	4.633	4.633	0	%100
6	M10	Z	-8.024	-8.024	0	%100
7	MP1A	X	4.877	4.877	0	%100
8	MP1A	Z	-8.447	-8.447	0	%100
9	M43	X	4.633	4.633	0	%100
10	M43	Z	-8.024	-8.024	0	%100
11	M46	X	9.24	9.24	0	%100
12	M46	Z	-16.005	-16.005	0	%100
13	M51B	X	5.131	5.131	0	%100
14	M51B	Z	-8.887	-8.887	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	3.08	3.08	0	%100
18	M76	Z	-5.335	-5.335	0	%100
19	M77	X	9.411	9.411	0	%100
20	M77	Z	-16.301	-16.301	0	%100
21	M80	X	9.913	9.913	0	%100
22	M80	Z	-17.169	-17.169	0	%100
23	M84	X	3.08	3.08	0	%100
24	M84	Z	-5.335	-5.335	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft.5
29	M34	X	1.825	1.825	0	%100
30	M34	Z	-3.161	-3.161	0	%100
31	M35	X	4.633	4.633	0	%100
32	M35	Z	-8.024	-8.024	0	%100
33	M36	X	4.633	4.633	0	%100
34	M36	Z	-8.024	-8.024	0	%100
35	M37	X	9.24	9.24	0	%100
36	M37	Z	-16.005	-16.005	0	%100
37	M40	X	0	0	0	%100
88	M40	Z	0	0	0	%100
39	M41	X	5.131	5.131	0	%100 %100
0	M41	Z	-8.887	-8.887	0	%100 %100
11	M45	X	3.08	3.08	0	%100 %100
2	M45	Z	-5.335	-5.335	0	%100 %100
3	M46A	X	0	0	0	%100 %100
4	M46A	Z	0	0	0	%100 %100
5	M48	X	0	0	0	%100 %100
6	M48	Z	0	0		%100 %100
7	M50A	X	3.08	3.08	0	%100 %100
8	M50A	Z	-5.335	-5.335	0	%100 %100
9	M51C	X	9.411	9.411	0	%100 %100
0	M51C	Z	-16.301	-16.301	0	%100 %100
51	M53	X	9.913	9.913 -17.169	0	%100 %100
2	M53	Z	-17.169	7.3	0	%100 %100
3	M58A	X	7.3	-12.644	0	%100 %100
4	M58A	Z	-12.644		0	%100 %100
5	M59A	X	0	0	0	%100 %100
6	M59A	Z	0		0	%100 %100
7	M60	X	0	0	0	%100 %100
8	M60	Z	0	0	0	%100 %100
9	M61	X	0	0	0	%100 %100
0	M61	Z	5,131	5.131	0	%100 %100
1	M64	X	-8.887	-8.887	0	%100
2	M64	Z	-8.887 5.131	5.131	0	%100 %100
3	M65	X		-8.887	0	%100
4	M65	Z	-8.88 7	12.32	0	%100
5	M69	X	12.32 -21.34	-21.34	0	%100
6	M69	Z	9.411	9.411	0	%100
7	M70	X Z	-16.301	-16.301	0	%100 %100
8	M70		9.913	9.913	0	%100 %100
9	M72	X	-17.169	-17.169	Ö	%100
0	M72	X	12.32	12.32	0	%100
1	M74		-21.34	-21.34	0	%100
2	M74	Z	9.411	9.411	0	%100
3	M75	Z	-16.301	-16.301	Ö	%100
4	M75	X	9.913	9.913	0	%100
5	M77A	Z	-17.169	-17.169	Ö	%100
6	M77A	X	4.877	4.877	0	%100
7	MP2A	Z	-8.447	-8.447	0	%100
8	MP2A		5.904	5.904	0	%100
79	MP3A	Z	-10.225	-10.225	Ö	%100
30	MP3A	X	4.877	4.877	0	%100
31	MP4A	Z	-8.447	-8.447	Ö	%100
32	MP4A		5.262	5.262	0	%100
33	M81A	Z	-9.114	-9.114	0	%100
34	M81A MP1C	X	4.877	4.877	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft	.End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%
86	MP1C	Z	-8.447	-8.447	0	%100
87	MP4C	X	4.877	4.877	0	%100
88	MP4C	Z	-8.447	-8.447	0	%100
89	M90	X	0	0	0	%100
90	M90	Z	0	0	0	%100
91	MP1B	X	4.877	4.877	0	%100
92	MP1B	Z	-8.447	-8.447	0	%100
93	MP4B	X	4.877	4.877	0	%100
94	MP4B	Z	-8.447	-8.447	0	%100
95	M100	X	3.988	3.988	0	%100
96	M100	Z	-6.907	-6.907	0	%100
97	M102	X	4.428	4.428	0	%100
98	M102	Z	-7.669	-7.669	Ö	%100
99	M107	X	4.428	4.428	Ö	%100
100	M107	Z	-7.669	-7.669	Ö	%100
101	M112	X	0	0	Ö	%100
102	M112	Z	0	0	Ō	%100
103	M123	X	4.875	4.875	Ö	%100
104	M123	Z	-8.444	-8.444	Ŏ	%100
105	M124	X	0	0	0	%100
106	M124	Z	0	0	0	%100
107	M125	X	4.875	4.875	Ō	%100
108	M125	Z	-8,444	-8.444	0	%100
109	M126	X	11.344	11.344	Ö	%100
110	M126	Z	-19.648	-19.648	0	%100
111	M127	X	11.344	11.344	0	%100
112	M127	Z	-19.648	-19.648	Ŏ	%100
113	M128	X	9.834	9.834	Ö	%100
114	M128	Z	-17.034	-17.034	Ö	%100
115	MP2C	X	4.877	4.877	0	%100
116	MP2C	Z	-8.447	-8.447	Ö	%100
117	MP3C	X	5.904	5.904	0	%100
118	MP3C	Z	-10,225	-10.225	Ö	%100
119	MP2B	X	4.877	4.877	Ö	%100 %100
120	MP2B	Z	-8.447	-8.447	Ö	%100 %100
121	MP3B	X	5.904	5.904	0	%100 %100
122	MP3B	Z	-10.225	-10.225	0	%100 %100

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
1	LV	X	3.038	3.038	0	%100
2	LV	Z	-1.754	-1.754	- 0	%100
3	M4	X	9.483	9.483	0	%100
4	M4	Z	-5.475	-5.475	0	%100
5	M10	X	2.675	2.675	0	%100
6	M10	Z	-1.544	-1.544	0	%100
7	MP1A	X	8.447	8.447	0	%100
8	MP1A	Z	-4.877	-4.877	0	%100
9	M43	X	2.675	2.675	0	%100
10	M43	Z	-1.544	-1.544	0	%100
11	M46	X	5.335	5.335	0	%100
12	M46	Z	-3.08	-3.08	0	%100
13	M51B	X	11.849	11.849	0	%100
14	M51B	Z	-6.841	-6.841	0	%100
15	M52B	X	2.962	2.962	0	%100
16	M52B	Z	-1.71	-1.71	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,%
17	M76	X	16.005	16.005	0	%100
18	M76	Z	-9.24	-9.24	0	%100
19	M77	X	21.735	21.735	0	%100
20	M77	Z	-12.549	-12.549	0	%100
	M80	X	22.893	22.893	0	%100
21	M80	Z	-13.217	-13.217	0	%100
22		X	16.005	16.005	0	%100
23	M84	Z	-9.24	-9.24	0	%100
24	M84	X	5.434	5.434	0	%100
25	M85		-3.137	-3.137	Ō	%100
26	M85	Z	5.723	5.723	0	%100
27	M91	X		-3.304	0	%100
28	M91	Z	-3.304		0	%100
29	M34	X	0	0	0	%100
30	M34	Z	0	0		%100 %100
31	M35	X	10.699	10.699	0	%100 %100
32	M35	Z	-6.177	-6.177	0	
33	M36	X	10.699	10.699	0	%100
34	M36	Z	-6.177	-6.177	0	%100
35	M37	X	21.34	21.34	0	%100
36	M37	Z	-12.32	-12.32	0	%100
37	M40	X	2.962	2.962	0	%100
38	M40	Z	-1.71	-1.71	0	%100
	M41	X	2.962	2.962	0	%100
39		Z	-1.71	-1.71	0	%100
40	M41	X	0	0	0	%100
41	M45	Ž	0	Ö	0	%100
42	M45		5.434	5.434	0	%100
43	M46A	X		-3.137	0	%100
44	M46A	Z	-3.137		0	%100
45	M48	X	5.723	5.723	0	%100
46	M48	Z	-3.304	-3.304		%100
47	M50A	X	0	0	0	%100
48	M50A	Z	0	0	0	%100 %100
49	M51C	X	5.434	5.434	0	
50	M51C	Z	-3.137	-3.137	0	%100
51	M53	X	5.723	5.723	00	%100
52	M53	Z	-3.304	-3.304	0	%100
53	M58A	X	9.483	9.483	0	%100
54	M58A	Z	-5.475	-5.475	0	%100
	M59A	X	2.675	2.675	0	%100
55		Z	-1.544	-1.544	0	%100
56	M59A	X	2.675	2.675	0	%100
57	M60		-1.544	-1.544	0	%100
58	M60	Z		5.335	Ö	%100
59	M61	X	5.335	-3.08	0	%100
60	M61	Z	-3.08		0	%100 %100
61	M64	X	2.962	2.962		%100 %100
62	M64	Z	-1.71	-1.71	0	%100 %100
63	M65	X	11.849	11.849	0	
64	M65	Z	-6.841	-6.841	0	%100
65	M69	X	16.005	16.005	0	%100
66	M69	Z	-9.24	-9.24	0	%100
67	M70	X	5.434	5.434	0	%100
	M70	Z	-3.137	-3,137	0	%100
68	M70 M72	X	5,723	5.723	0	%100
69		Z	-3.304	-3.304	0	%100
70	M72	X	16.005	16.005	0	%100
71	M74		-9.24	-9.24	Ö	%100
72	M74	Z	21.735	21.735	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft	.End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
74	M75	Z	-12.549	-12.549	0	%100
75	M77A	X	22.893	22.893	0	%100
76	M77A	Z	-13.217	-13.217	0	%100
77	MP2A	X	8.447	8.447	0	%100
78	MP2A	Z	-4.877	-4.877	0	%100
79	MP3A	X	10.225	10.225	0	%100
80	MP3A	Z	-5,904	-5.904	0	%100
81	MP4A	X	8.447	8.447	0	%100
82	MP4A	Z	-4.877	-4.877	0	%100
83	M81A	X	12.152	12.152	0	%100
84	M81A	Z	-7.016	-7.016	0	%100
85	MP1C	X	8.447	8.447	0	%100
86	MP1C	Z	-4.877	-4.877	0	%100
87	MP4C	X	8.447	8.447	0	%100
88	MP4C	Z	-4.877	-4.877	0	%100
89	M90	X	3.038	3.038	0	%100
90	M90	Z	-1.754	-1.754	0	%100
91	MP1B	X	8.447	8.447	0	%100
92	MP1B	Z	-4.877	-4.877	0	%100
93	MP4B	X	8.447	8.447	0	%100
94	MP4B	Z	-4.877	-4.877	0	%100
95	M100	X	6.907	6.907	0	%100
96	M100	Z	-3.988	-3.988	0	%100
97	M102	X	2.556	2.556	0	%100
98	M102	Z	-1.476	-1.476	0	%100
99	M107	X	10.225	10.225	0	%100
100	M107	Z	-5.904	-5.904	0	%100
101	M112	X	2.556	2.556	0	%100
102	M112	Z	-1.476	-1.476	0	%100
103	M123	X	11.259	11.259	Ö	%100
104	M123	Z	-6.5	-6.5	Ő	%100
105	M124	X	2.815	2.815	Ö	%100
106	M124	Z	-1.625	-1.625	Ö	%100 %100
107	M125	X	2.815	2.815	0	%100 %100
108	M125	Z	-1.625	-1.625	Ö	%100
109	M126	X	17.905	17.905	Ö	%100 %100
110	M126	Z	-10.337	-10.337	Ö	%100 %100
111	M127	X	20.519	20.519	Ö	%100 %100
112	M127	Z	-11.847	-11.847	0	%100 %100
113	M128	X	17.905	17.905	0	%100 %100
114	M128	Z	-10.337	-10.337	0	%100
115	MP2C	X	8.447	8.447	0	%100 %100
116	MP2C	Z	-4.877	-4.877	0	%100 %100
117	MP3C	X	10.225	10.225	0	%100 %100
118	MP3C	7	-5.904	-5.904	0	%100 %100
119	MP2B	X	8.447	8.447	0	%100 %100
120	MP2B	Z	-4.877	-4.877	0	%100 %100
121	MP3B	X	10.225	10.225	0	%100 %100
122	MP3B	Z	-5.904	-5.904	0	%100 %100

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

	Member Label	Direction	Start Magnitude[lb/ft.	End Magnitude[lb/ft,F.,	Start Location[ft.%]	End Location[ft,%]
1	LV	X	0	0	0	%100
2	LV	Z	0	0	0	%100
3	M4	X	14.6	14.6	0	%100
4	M4	Z	0	0	0	%100

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

	er Distributed Lo	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F.,	Start Location[ft,%]	End Location[ft,%]
5	M10	X	0	0	0	%100 %100
6	M10	Z	0	0	0	
7	MP1A	X	9.754	9.754	0	%100
8	MP1A	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	0	0	0	%100
13	M51B	X	10.262	10.262	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	10.262	10.262	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	24.641	24.641	0	%100
	M76	Z	0	0	0	%100
18	M77	X	18.823	18.823	0	%100
19		Z	0	0	0	%100
20	M77	X	19.826	19.826	0	%100
21	M80	Z	0	0	0	%100
22	M80	X	24.641	24.641	Ö	%100
23	M84		0	0	0	%100
24	M84	Z	18.823	18.823	0	%100
25	M85	X		0	Ö	%100
26	M85	Z	19.826	19.826	0	%100
27	M91	X		19.820	0	%100
28	M91	Z	0		0	%100
29	M34	X	3.65	3.65	0	%100 %100
30	M34	Z	0	0	0	%100 %100
31	M35	X	9.265	9.265		%100
32	M35	Z	0	0	0	%100 %100
33	M36	X	9.265	9.265	0	
34	M36	Z	0	0	0	%100
35	M37	X	18.481	18.481	0	%100
36	M37	Z	0	0	0	%100
37	M40	X	10.262	10.262	0	%100
38	M40	Z	0	0	0	%100
39	M41	X	0	0	0	%100
40	M41	Z	0	0	0	%100
41	M45	X	6.16	6.16	0	%100
42	M45	Z	0	0	0	%100
43	M46A	X	18.823	18.823	0	%100
44	M46A	Z	0	0	0	%100
45	M48	X	19.826	19.826	0	%100
46	M48	Z	0	0	0	%100
47	M50A	X	6.16	6.16	0	%100
	M50A	Z	0	0	0	%100
48		X	0	0	0	%100
49	M51C	Z	0	Ö	0	%100
50	M51C	X	0	0	0	%100
51	M53	Z	0	Ů Ů	Ö	%100
52	M53		3.65	3.65	ő	%100
53	M58A	X	3.65	0	0	%100
54	M58A	Z	9.265	9.265	0	%100
55	M59A	X			0	%100
56	M59A	Z	0	0 265	0	%100 %100
57	M60	X	9.265	9.265	0	%100 %100
58	M60	Z	0	0		%100 %100
59	M61	X	18.481	18.481	0	%100 %100
60	M61	Z	0	0	0	
61	M64	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft.%]	End Location[ft,%
62	M64	Z	0	0	0	%100
63	M65	X	10.262	10.262	0	%100
64	M65	Z	0	0	0	%100
65	M69	X	6.16	6.16	0	%100
66	M69	Z	0	0	0	%100
67	M70	X	0	0	0	%100
68	M70	Z	0	0	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	0	0	0	%100
71	M74	X	6.16	6.16	0	%100 %100
72	M74	Z	0	0	0	%100
73	M75	X	18.823	18.823	0	%100
74	M75	Z	0	0	0	%100
75	M77A	X	19.826	19.826	0	%100
76	M77A	Z	0	0	0	%100
77	MP2A	X	9.754	9.754	0	%100
78	MP2A	Z	0	0	Ö	%100
79	MP3A	X	11.807	11.807	Ö	%100
80	MP3A	Z	0	0	0	%100 %100
81	MP4A	X	9.754	9.754	0	%100 %100
82	MP4A	Z	0	0	Ö	%100
83	M81A	X	10.524	10.524	Ö	%100 %100
84	M81A	Z	0	0	Ö	%100 %100
85	MP1C	X	9.754	9.754	Ö	%100
86	MP1C	Z	0	0	Ö	%100
87	MP4C	X	9.754	9.754	0	%100
88	MP4C	Z	0	0	Ö	%100 %100
89	M90	X	10.524	10.524	0	%100
90	M90	Z	0	0	Ö	%100 %100
91	MP1B	X	9.754	9.754	0	%100 %100
92	MP1B	Z	0	0.104	Ö	%100
93	MP4B	X	9.754	9.754	Ö	%100 %100
94	MP4B	Z	0	0	Ö	%100
95	M100	X	7.976	7.976	0	%100 %100
96	M100	Z	0	0	Ö	%100
97	M102	X	0	0	0	%100 %100
98	M102	Z	0	0	Ö	%100 %100
99	M107	X	8.855	8.855	Ö	%100 %100
100	M107	Z	0	0	ő	%100
101	M112	X	8.855	8.855	0	%100 %100
102	M112	Z	0	0	ő	%100 %100
03	M123	X	9.751	9.751	0	%100 %100
04	M123	Z	0	0	0	%100 %100
05	M124	X	9.751	9.751	0	%100 %100
06	M124	Z	9.731	0	0	%100 %100
07	M125	X	0	0	0	%100 %100
08	M125	Z	0	0	0	%100 %100
09	M126	X	19.669	19.669	0	%100 %100
10	M126	Z	0	0	0	%100 %100
11	M127	X	22.687	22.687	0	%100 %100
12	M127	Z	0	0	0	%100 %100
13	M128	X	22.687	22.687	0	
14	M128	Z	0	0	0	%100 %100
15	MP2C	X	9.754	9.754	0	%100 %100
16	MP2C	Ž	9.754			%100 %100
17	MP3C	X	11.807	11.807	0	%100 %100
18	MP3C	Ž	0	0	0	%100 %100



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

Momber Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
	X		9.754	0	%100
	7	0	0	0	%100
	X	11.807	11.807	0	%100
10.11	7	0	0	0	%100
	Member Label MP2B MP2B MP3B MP3B	MP2B X MP2B Z MP3B X	MP2B X 9.754 MP2B Z 0 MP3B X 11.807	MP2B X 9.754 9.754 MP2B Z 0 0 MP3B X 11.807 11.807	MP2B X 9.754 9.754 0 MP2B Z 0 0 0 MP3B X 11.807 11.807 0

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

٨	Member Label	Direction		.End Magnitude[lb/ft,F	Start Location[ft.%]	End Location[ft,%]
1 "	LV	X	3.038	3.038	0	%100
2	LV	Z	1.754	1.754	0	%100
3	M4	X	9.483	9.483	0	%100
4	M4	Z	5.475	5.475	0	%100
5	M10	X	2.675	2.675	0	%100
6	M10	Z	1.544	1.544	0	%100
7	MP1A	X	8.447	8.447	0	%100
8	MP1A	Z	4.877	4.877	0	%100
9	M43	X	2.675	2.675	0	%100
10	M43	Z	1.544	1.544	0	%100
11	M46	X	5.335	5.335	0	%100
12	M46	Z	3.08	3.08	0	%100
13	M51B	X	2.962	2.962	0	%100
14	M51B	Z	1.71	1.71	0	%100
15	M52B	X	11.849	11.849	0	%100
16	M52B	Z	6.841	6.841	0	%100
17	M76	X	16.005	16.005	0	%100
18	M76	Z	9.24	9.24	0	%100
19	M77	X	5.434	5.434	0	%100
20	M77	Z	3.137	3.137	0	%100
21	M80	X	5.723	5.723	0	%100
22	M80	Z	3.304	3.304	0	%100
23	M84	X	16.005	16.005	0	%100
24	M84	Z	9.24	9.24	0	%100
25	M85	X	21.735	21.735	0	%100
26	M85	Z	12.549	12.549	0	%100
27	M91	X	22.893	22.893	0	%100
28	M91	Ž	13.217	13.217	0	%100
29	M34	X	9.483	9.483	0	%100
30	M34	Z	5.475	5.475	0	%100
	M35	X	2.675	2.675	0	%100
31	M35	Ž	1.544	1.544	0	%100
33	M36	X	2.675	2.675	0	%100
34	M36	Z	1.544	1.544	0	%100
	M37	X	5.335	5.335	0	%100
35 36	M37	Z	3.08	3.08	0	%100
	M40	X	11.849	11.849	0	%100
37	M40	Ž	6.841	6.841	0	%100
	M41	X	2.962	2.962	0	%100
39	M41	Z	1.71	1.71	0	%100
40		X	16.005	16.005	0	%100
41	M45	Z	9.24	9.24	0	%100
42	M45	X	21.735	21.735	0	%100
43	M46A	Ž	12.549	12.549	0	%100
44	M46A	X	22.893	22.893	0	%100
45	M48	Z	13.217	13.217	0	%100
46	M48	X	16.005	16.005	0	%100
47	M50A		9.24	9.24	0	%100
48	M50A	Z	5.434	5.434	0	%100
49	M51C		0.434	0.707		

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

E0	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F		End Location[ft,%]
50	M51C	Z	3.137	3.137	0	%100
51	M53	X	5.723	5.723	0	%100
52	M53	Z	3.304	3.304	0	%100
53	M58A	X	0	0	0	%100
54	M58A	Z	0	0	0	%100
55	M59A	X	10.699	10.699	0	%100
56	M59A	Z	6.177	6.177	0	%100
57	M60	X	10.699	10.699	0	%100
58	M60	Z	6.177	6.177	0	%100
59	M61	X	21.34	21.34	0	%100
60	M61	Z	12.32	12.32	0	%100
61	M64	X	2.962	2.962	0	%100
62	M64	Z	1.71	1.71	0	%100
63	M65	X	2.962	2.962	0	%100
64	M65	Z	1.71	1.71	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	0	0	0	%100
67	M70	X	5.434	5.434	0	%100
68	M70	Z	3.137	3.137	0	%100
69	M72	X	5.723	5.723	0	%100
70	M72	Z	3.304	3.304	0	%100
71	M74	X	0	0	0	%100
72	M74	Z	0	0	0	%100
73	M75	X	5.434	5.434	0	%100
74	M75	Z	3.137	3.137	0	%100
75	M77A	X	5.723	5.723	Ö	%100 %100
76	M77A	Z	3.304	3.304	Ö	%100
77	MP2A	X	8.447	8.447	Ö	%100
78	MP2A	Z	4.877	4.877	Ö	%100
79	MP3A	X	10.225	10.225	Ö	%100
80	MP3A	Z	5.904	5.904	Ö	%100
81	MP4A	X	8.447	8.447	Ö	%100 %100
82	MP4A	Z	4.877	4.877	ő	%100 %100
83	M81A	X	3.038	3.038	0	%100 %100
84	M81A	Z	1.754	1.754	Ö	%100 %100
85	MP1C	X	8.447	8.447	Ö	%100 %100
86	MP1C	Z	4.877	4.877	0	%100 %100
87	MP4C	X	8.447	8.447	0	%100 %100
88	MP4C	Z	4.877	4.877	0	%100 %100
89	M90	X	12.152	12.152	0	%100 %100
90	M90	Ž	7.016	7.016	0	%100 %100
91	MP1B	X	8.447	8.447	0	
92	MP1B	Z	4.877	4.877		%100
93	MP4B	X	8.447	8.447	0	<u>%100</u>
94	MP4B	Z	4.877	4.877		%100
95	M100	X			0	%100
96	M100	Z	6.907	6.907	0	%100
97	M102	X	3.988	3.988	0	%100
98	M102	Z	2.556	2.556	0	%100
99	M107	X	1.476	1.476	0	%100
100	M107		2.556	2.556	0	%100
101		Z	1.476	1.476	0	%100
102	M112	X	10.225	10.225	0	%100
	M112	Z	5.904	5.904	0	%100
103	M123	X	2.815	2.815	0	%100
104	M123	Z	1.625	1.625	0	%100
105	M124	X	11.259	11.259	0	%100
106	M124	Z	6.5	6.5	0 -	%100



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

	Member Label	Direction	Start Magnitudellb/ft	End Magnitude[lb/ft,F.,	. Start Location[ft,%]	End Location[ft,%]
107	M125	X	2.815	2.815	0	%100
108	M125	7	1.625	1.625	0	%100
109	M126	X	17.905	17.905	0	%100
110	M126	7	10.337	10.337	0	%100
111	M127	X	17.905	17.905	0	%100
112	M127	7	10.337	10.337	0	%100
113	M128	X	20.519	20.519	0	%100
114	M128	7	11.847	11.847	0	%100
115	MP2C	X	8.447	8.447	0	%100
116	MP2C	7	4.877	4.877	0	%100
117	MP3C	X	10,225	10.225	0	%100
118	MP3C	7	5.904	5.904	0	%100
	MP2B	Y	8.447	8.447	0	%100
119	MP2B	7	4.877	4.877	0	%100
120	MP3B	X	10.225	10.225	0	%100
121	MP3B	Z	5.904	5.904	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
1	LV	X	5.262	5.262	0	%100
2	ĹV	Z	9.114	9.114	0	%100
3	M4	X	1.825	1.825	0	%100
4	M4	Z	3.161	3.161	0	%100
5	M10	X	4.633	4.633	0	%100
6	M10	Ž	8.024	8.024	0	%100
7	MP1A	X	4.877	4.877	0	%100
8	MP1A	Z	8.447	8.447	0	%100
	M43	X	4.633	4.633	0	%100
9	M43	Z	8.024	8.024	0	%100
	M46	X	9.24	9.24	0	%100
11	M46	Z	16.005	16.005	0	%100
	M51B	X	0	0	0	%100
13		Z	0	Ö	0	%100
14	M51B	X	5.131	5.131	0	%100
15	M52B	Ž	8.887	8.887	0	%100
16	M52B	X	3.08	3.08	0	%100
17	M76	Ž	5.335	5.335	0	%100
18	M76	X	0	0.000	0	%100
19	M77		0	0	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	3.08	3.08	0	%100
23	M84	X	5.335	5.335	0	%100
24	M84	Z		9,411	0	%100
25 -	M85	X	9.411	16.301	0	%100
26	M85	Z	16.301	9.913	0	%100
27	M91	X	9.913	17.169	0	%100
28	M91	Z	17.169	7.3	0	%100
29	M34	X	7.3	12.644	0	%100
30	M34	Z	12.644		0	%100 %100
31	M35	X	0	0	0	%100
32	M35	Z	0	0	0	%100 %100
33	M36	X	0	0		%100 %100
34	M36	Z	0	0	0	%100 %100
35	M37	X	0	0	0	
36	M37	Z	0	0	0	%100 %100
37	M40	X	5.131	5.131	0	%100

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

	Member Label	Direction		End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
38	M40	Z	8.887	8.887	0	%100
39	M41	X	5.131	5.131	0	%100
40	M41	2	8,887	8.887	0	%100
41	M45	X	12.32	12.32	0	%100
42	M45	Z	21.34	21.34	0	%100
43	M46A	X	9.411	9.411	0	%100
44	M46A	Z	16.301	16.301	0	%100
45	M48	X	9.913	9.913	0	%100
46	M48	Z	17.169	17.169	0	%100
47	M50A	X	12.32	12.32	0	%100
48	M50A	Z	21.34	21.34	0	%100
49	M51C	X	9.411	9.411	0	%100
50	M51C	Z	16.301	16.301	0	%100
51	M53	X	9.913	9.913	0	%100
52	M53	Z	17.169	17.169	0	%100
53	M58A	X	1.825	1.825	0	%100
54	M58A	Z	3.161	3.161	0	%100
55	M59A	X	4.633	4.633	0	%100
56	M59A	Z	8.024	8.024	0	%100
57	M60	X	4.633	4.633	0	%100
58	M60	Z	8.024	8.024	0	%100
59	M61	X	9.24	9.24	0	%100
60	M61	Z	16.005	16.005	0	%100
61	M64	X	5.131	5.131	0	%100
62	M64	Z	8.887	8.887	Ö	%100 %100
63	M65	X	0	0	0	%100
64	M65	Z	Ŏ	Ŏ	0	%100
65	M69	X	3.08	3.08	0	%100 %100
66	M69	Z	5.335	5.335	0	%100 %100
67	M70	X	9.411	9.411	0	%100 %100
68	M70	Z	16.301	16.301	0	%100 %100
69	M72	X	9.913	9.913	0	%100 %100
70	M72	Ž	17.169	17.169	0	%100 %100
71	M74	X	3.08	3.08	0	%100 %100
72	M74	Z	5.335	5.335	0	%100 %100
73	M75	X	0	0	0	%100 %100
74	M75	Z	0	0	0	%100 %100
75	M77A	X	0	0	0	%100 %100
76	M77A	Z	0	0	0	%100
77	MP2A	X	4.877	4.877	0	%100 %100
78	MP2A	Z	8.447	8.447	0	%100 %100
79	MP3A	X	5.904	5.904	0	%100 %100
80	MP3A	Z	10.225	10.225	0	
81	MP4A	X	4.877	4.877	0	%100 %100
82	MP4A	Z	8.447	8.447	0	%100 %100
83	M81A	X	0	0	0	%100 %100
84	M81A	Z	0	0		
85	MP1C	X	4.877	4.877	0	%100 %400
86	MP1C	Z	8.447		0	%100
87	MP4C	X		8.447	0	%100 %100
88	MP4C	Z	4.877	4.877	0	%100
89	M90	X	8.447	8.447	0	%100
90	M90		5.262	5.262	0	%100
91	MP1B	Z	9.114	9.114	0	%100
92	MP1B	X	4.877	4.877	0	%100
93		Z	8.447	8.447	0	%100
93	MP4B	X	4.877	4.877	0	%100
34	MP4B	<u>Z</u>	8.447	8.447	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
95	M100	X	3.988	3,988	0	%100
96	M100	Z	6.907	6.907	0	%100
97	M102	X	4.428	4,428	0	%100
98	M102	Z	7.669	7.669	0	%100
99	M107	X	0	0	0	%100
100	M107	Z	0	0	0	%100
101	M112	X	4.428	4.428	0	%100
102	M112	Z	7.669	7.669	0	%100
103	M123	X	0	0	0	%100
104	M123	Z	O O	0	0	%100
	M124	X	4.875	4.875	0	%100
105	M124	Z	8.444	8.444	0	%100
	M125	X	4.875	4.875	0	%100
107	M125	Z	8.444	8.444	0	%100
108	M125	X	11.344	11.344	0	%100
109	M126	Z	19.648	19.648	0	%100
110	M127	X	9.834	9.834	0	%100
111	M127	Z	17.034	17.034	0	%100
112	M128	X	11.344	11.344	0	%100
113	M128	7	19.648	19.648	0	%100
114	MP2C	X	4.877	4.877	0	%100
115		Z	8.447	8.447	0	%100
116	MP2C	X	5.904	5.904	0	%100
117	MP3C	7	10.225	10.225	0	%100
118	MP3C	X	4.877	4.877	0	%100
119	MP2B	7	8.447	8.447	0	%100
120	MP2B		5.904	5.904	0	%100
121	MP3B MP3B	X 7	10.225	10.225	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
1	LV	X	0	0	0	%100
2	LV	7	14.031	14.031	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	7	12.354	12.354	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	9.754	9.754	0	%100
	M43	X	0.10.	0	0	%100
9 10	M43	7	12.354	12.354	0	%100
	M46	X	0	0	0	%100
11		7	24.641	24.641	0	%100
12	M46	X	0	0	0	%100
13	M51B	7	3.421	3.421	0	%100
14	M51B	X	0	0	0	%100
15	M52B	Z	3.421	3.421	0	%100
16	M52B		0	0	0	%100
17	M76	X	0	0	0	%100
18	M76	Z	0	0	0	%100
19	<u>M77</u>	X		6.274	0	%100
20	M77	Z	6.274	0.214	0	%100
21	M80	X	0		0	%100
22	M80	Z	6.609	6.609	0	%100 %100
23	M84	X	0	0		%100 %100
24	M84	Z	0	0	0	
25	M85	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	M85	Z	6.274	6.274	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	6.609	6.609	0	%100
29	M34	X	0	0	0	%100
30	M34	Z	10.95	10.95	0	%100
31	M35	X	0	0	0	%100
32	M35	Z	3.088	3.088	0	%100
33	M36	X	0	0	0	%100
34	M36	Z	3.088	3.088	0	%100
35	M37	X	0	0	0	%100
36	M37	Z	6.16	6.16	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	3.421	3.421	0	%100
39	M41	X	0	0	0	%100
40	M41	Z	13.683	13.683	0'	%100
41	M45	X	0	0	0	%100
42	M45	Z	18.481	18.481	0	%100
43	M46A	X	0	0	0	%100
44	M46A	Z	6.274	6.274	0	%100
45	M48	X	0	0	0	%100
46	M48	Z	6.609	6.609	0	%100
47	M50A	X	0	0	0	%100
48	M50A	Z	18,481	18.481	0	%100
49	M51C	X	0	0	0	%100
50	M51C	Z	25.097	25.097	0	%100
51	M53	X	0	0	0	%100
52	M53	Z	26.434	26.434	0	%100
53	M58A	X	0	0	0	%100
54	M58A	Z	10.95	10.95	0	%100
55	M59A	X	0	0	0	%100
56	M59A	Z	3.088	3.088	0	%100
57	M60	X	0	0	0	%100
58	M60	Z	3.088	3.088	Ö	%100
59	M61	X	0	0	0	%100
60	M61	Z	6.16	6.16	Ö	%100
61	M64	X	0	0	0	%100
62	M64	Z	13.683	13.683	0	%100
63	M65	X	0	0	0	%100 %100
64	M65	Z	3.421	3.421	Ö	%100 %100
65	M69	X	0	0	0	%100
66	M69	Z	18.481	18.481	0	%100
67	M70	X	0	0	0	%100
68	M70	Z	25.097	25.097	Ö	%100 %100
69	M72	X	0	0	0	%100 %100
70	M72	Z	26.434	26.434	Ö	%100 %100
71	M74	X	0	0	0	%100 %100
72	M74	Z	18.481	18.481	0	%100 %100
73	M75	X	0	0	0	%100 %100
74	M75	Z	6.274	6.274	0	%100 %100
75	M77A	X	0.274	0.274	0	%100 %100
76	M77A	Z	6.609	6.609	0	%100 %100
77	MP2A	X	0.009	0.609	0	
78	MP2A	Z	9.754	9.754	0	%100 %100
79	MP3A	X	9.754			%100 %100
80	MP3A	Z	11.807	0	0	%100
81	MP4A	X	- 1	11.807	0	%100
82	MP4A	Ž	0 754	0 754	0	%100
UL	IVIT 4A		9.754	9.754	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,%]
83	M81A	X	0	0	0	%100
84	M81A	Z	3.508	3.508	0	%100
85	MP1C	X	0	0	0	%100
86	MP1C	Z	9.754	9.754	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	9.754	9.754	0	%100
89	M90	X	0	0	0	%100
90	M90	Z	3.508	3.508	0	%100
91	MP1B	X	0	0	0	%100
92	MP1B	Z	9.754	9.754	0	%100
93	MP4B	X	0	0	0	%100
94	MP4B	Z	9.754	9.754	0	%100
95	M100	X	0	0	0	%100
96	M100	Z	7.976	7.976	0	%100
97	M102	X	0	0	0	%100
98	M102	Z	11.807	11.807	0	%100
99	M107	X	0	0	0	%100
100	M107	Z	2.952	2.952	0	%100
101	M112	X	0	0	0	%100
102	M112	Z	2.952	2.952	0	%100
103	M123	X	0	0	0	%100
104	M123	Z	3.25	3.25	0	%100
105	M124	X	0	0	0	%100
106	M124	Z	3.25	3.25	0	%100
107	M125	X	0	0	0	%100
108	M125	Z	13.001	13.001	0	%100
109	M126	X	0	0	0	%100
110	M126	Z	23.693	23.693	0	%100
111	M127	X	0	0	0	%100
112	M127	Z	20.675	20.675	0	%100
113	M128	X	0	0	0	%100
	M128	Z	20.675	20.675	0	%100
114	MP2C	X	0	0	0	%100
	MP2C	Z	9.754	9.754	0	%100
116	MP3C	X	0	0	0	%100
117		Z	11,807	11.807	0	%100
118	MP3C	X	0	0	0	%100
119	MP2B	Ž	9.754	9.754	0	%100
120	MP2B	X	9.734	0	0	%100
121	MP3B MP3B	Z	11.807	11.807	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
4	LV	X	-5.262	-5.262	0	%100
2	LV	7	9.114	9.114	0	%100
	M4	X	-1.825	-1.825	0	%100
3		7	3.161	3.161	0	%100
4	M4	V	-4.633	-4.633	0	%100
5	M10	7	8.024	8.024	0	%100
6	M10	V	-4.877	-4.877	0	%100
	MP1A	7	8.447	8.447	0	%100
8	MP1A	\ \ \ \ \ \ \	-4.633	-4.633	0	%100
9	M43	7	8.024	8.024	0	%100
10	M43	- V	-9.24	-9.24	0	%100
11	M46	1 2	16.005	16.005	0	%100
12	M46 M51B	X	-5.131	-5.131	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
14	M51B	Z	8.887	8.887	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	-3.08	-3.08	0	%100
18	M76	Z	5.335	5.335	0	%100
19	M77	X	-9.411	-9.411	0	%100
20	M77	Z	16.301	16.301	0	%100
21	M80	X	-9.913	-9.913	0	%100
22	M80	Z	17.169	17.169	0	%100
23	M84	X	-3.08	-3.08	0	%100
24	M84	Z	5.335	5.335	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	0	0	0	%100
29	M34	X	-1.825	-1.825	0	%100
30	M34	Z	3.161	3.161	0	%100
31	M35	X	-4.633	-4.633	0	%100
32	M35	Z	8.024	8.024	0	%100
33	M36	X	-4.633	-4.633	0	%100
34	M36	Z	8.024	8.024	0	%100
35	M37	X	-9.24	-9.24	0	%100
36	M37	Z	16.005	16.005	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	0	0	0	%100
39	M41	X	-5,131	-5.131	0	%100
40	M41	Z	8.887	8.887	0	%100
41	M45	X	-3.08	-3.08	0	%100
42	M45	Z	5.335	5.335	0	%100
43	M46A	X	0	0	0	%100
44	M46A	Z	0	0	0	%100
45	M48	X	0	0	0	%100
46	M48	Z	0	0	0	%100
47	M50A	X	-3.08	-3.08	0	%100
48	M50A	Z	5.335	5.335	0	%100
49	M51C	X	-9.411	-9.411	0	%100
50	M51C	Z	16.301	16.301	0	%100
51	M53	X	-9.913	-9.913	0	%100
52	M53	Z	17.169	17.169	0	%100
53	M58A	X	-7.3	-7.3	0	%100
54	M58A	Z	12.644	12.644	0	%100
55	M59A	X	0	0	0	%100
56	M59A	Z	0	0	0	%100
57	M60	X	0	0	0	%100
58	M60	Z	0	0	0	%100
59	M61	X	0	0	0	%100
60	M61	Z	0	0	0	%100
61	M64	X	-5.131	-5.131	0	%100
62	M64	Z	8.887	8.887	0	%100
63	M65	X	-5.131	-5.131	0	%100
64	M65	Z	8.887	8.887	0	%100
65	M69	X	-12.32	-12.32	0	%100
66	M69	Z	21.34	21.34	0	%100
67	M70	X	-9.411	-9.411	0	%100
68	M70	Z	16.301	16.301	0	%100
69	M72	X	-9.913	-9.913	0	%100
70	M72	Z	17.169	17.169	0	%100

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

Member Lab		Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft.% %100
71 M74	X	-12.32	-12.32 21.34	0	%100 %100
72 M74	Z	21.34	-9.411	0	%100 %100
73 M75	X	-9.411 16.301	16.301	0	%100
74 M75	Z		-9.913	0	%100
75 M77A	X	-9.913 47.460	17.169	0	%100
76 M77A	Z	17.169	-4.877	0	%100
77 MP2A	X	-4.877	8.447	0	%100
78 MP2A	Z	8.447	-5.904	0	%100
79 MP3A	X	-5.904	10.225	0	%100
80 MP3A	Z	10.225	-4.877	0	%100
81 MP4A	X	-4.877	8.447	0	%100
82 MP4A	Z	8.447	-5.262	0	%100
83 M81A	X	-5.262	9.114	0	%100
84 M81A	Z	9.114 -4.877	-4.877	0	%100
85 MP1C	X		8.447	Ö	%100
86 MP1C	Z	8.447 -4.877	-4.877	0	%100
87 MP4C	X	8,447	8.447	0	%100
88 MP4C	Z	0.447	0.447	0	%100
89 M90	X	0	0	0	%100
90 M90	Z	-4.877	-4.877	0	%100
91 MP1B	X	8.447	8.447	0	%100
92 MP1B	Z	-4.877	-4.877	0	%100
93 MP4B	X	8.447	8.447	0	%100
94 MP4B	Z	-3.988	-3.988	0	%100
95 M100	X	6,907	6.907	0	%100
96 M100	Z	-4.428	-4.428	0	%100
97 M102	X	7.669	7.669	0	%100
98 M102	Z	-4.428	-4.428	0	%100
99 M107	X	7.669	7.669	Ö	%100
100 M107	Z	7.009	0	0	%100
101 M112	X	0	0	0	%100
102 M112	Z	-4.875	-4.875	0	%100
103 M123	X	8,444	8.444	Ö	%100
104 M123	Z	0.444	0.444	0	%100
105 M124	X	0	0	Ö	%100
106 M124	Z	-4.875	-4.875	0	%100
107 M125	X	8.444	8.444	0	%100
108 M125	Z	-11.344	-11.344	0	%100
109 M126	X	19.648	19.648	0	%100
110 M126	Z	-11.344	-11.344	0	%100
111 M127	X	19.648	19.648	0	%100
112 M127	Z	-9.834	-9.834	0	%100
113 M128	X	17.034	17.034	0	%100
114 M128	Z	-4.877	-4.877	0	%100
115 MP2C	X		8.447	0	%100
116 MP2C	Z	8.447	-5.904	0	%100
117 MP3C	X	-5.904	10.225	0	%100
118 MP3C	Z	10.225		0	%100
119 MP2B	X	-4.877	-4.877 8.447	0	%100 %100
120 MP2B	Z	8.447	-5.904	0	%100 %100
121 MP3B	X	-5.904			
122 MP3B	Z	10.225	10.225	0	%10

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

Mon	mber Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
1	I V	X	-3.038	-3.038	0	%100

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

2		Direction	Otari Waqiittadejib/it	End Magnitude[lb/ft,F.,	Start Location III. 761	End Location[ft,%]
_	LV	Z	1.754	1.754	0	%100
3	M4	X	-9.483	-9.483	0	%100
4	M4	Z	5.475	5.475	0	%100
5	M10	X	-2.675	-2.675	0	%100
6	M10	Z	1.544	1.544	0	%100
7	MP1A	X	-8.447	-8.447	0	%100
8	MP1A	Z	4.877	4.877	0	%100
9	M43	X	-2.675	-2.675	0	%100
10	M43	Z	1.544	1.544	0	%100
11	M46	X	-5.335	-5.335	0	%100
12	M46	Z	3.08	3.08	0	%100
13	M51B	X	-11.849	-11.849	0	%100
14	M51B	Z	6.841	6.841	0	%100
15	M52B	X	-2.962	-2.962	0	%100 %100
16	M52B	Z	1.71	1.71	0	%100
17	M76	X	-16.005	-16.005	0	%100 %100
18	M76	Z	9.24	9.24	0	%100
19	M77	X	-21.735	-21.735	0	%100 %100
20	M77	Ž	12.549	12.549	0	%100 %100
21	M80	X	-22.893	-22.893	0	%100 %100
22	M80	Z	13.217	13.217	0	
23	M84	X	-16.005	-16.005		%100
24	M84	Z	9.24		0	%100
25	M85	X		9.24	0	%100
26	M85	Ž	-5.434 3.137	-5.434	0	%100
27	M91			3.137	0	%100
28	M91	X	-5.723	-5.723	0	%100
29	M34	Z	3.304	3.304	0	%100
		X	0	0	0	%100
30	M34	Z	0	0	0	%100
31	M35	X	-10.699	-10.699	0	%100
32	M35	Z	6.177	6.177	0	%100
33	M36	X	-10.699	-10.699	0	%100
34	M36	Z	6.177	6.177	0	%100
35	M37	X	-21.34	-21.34	0	%100
36	M37	Z	12.32	12.32	0	%100
37	M40	X	-2.962	-2.962	0	%100
38	M40	Z	1.71	1.71	0	%100
39	M41	X	-2.962	-2.962	0	%100
40	M41	Z	1.71	1.71	0	%100
41	M45	X	0	0	0	%100
42	M45	Z	0	0	0	%100
43	M46A	X	-5.434	-5.434	0	%100
44	M46A	Z	3.137	3.137	0	%100
45	M48	X	-5.723	-5.723	0	%100
46	M48	Z	3.304	3.304	0	%100
47	M50A	X	0	0	0	%100
48	M50A	Z	0	Ö	ŏ	%100 %100
49	M51C	X	-5.434	-5.434	Ö	%100 %100
50	M51C	Z	3.137	3.137	Ŏ	%100 %100
51	M53	X	-5.723	-5.723	0	%100 %100
52	M53	Z	3.304	3.304	Ö	%100
53	M58A	X	-9.483	-9.483	0	%100 %100
54	M58A	Z	5.475	5.475	0	%100 %100
55	M59A	X	-2.675	-2.675	0	
56	M59A	Z	1.544	1.544	0	%100 %100
57	M60	X	-2.675	-2.675		%100
58	M60	Ž	1.544	1.544	0	%100 %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.%]
59	M61	X	-5.335	-5.335	0	%100
60	M61	Z	3.08	3.08	0	%100
61	M64	X	-2.962	-2.962	0	%100
62	M64	Z	1.71	1.71	0	%100
63	M65	X	-11.849	-11.849	0	%100
64	M65	Z	6.841	6.841	0	%100
65	M69	X	-16.005	-16.005	0	%100
66	M69	Z	9.24	9.24	0	%100
67	M70	X	-5.434	-5.434	0	%100
68	M70	Z	3.137	3.137	0	%100
69	M72	X	-5.723	-5.723	0	%100
70	M72	Z	3.304	3.304	0	%100
71	M74	X	-16.005	-16.005	0	%100
72	M74	Z	9.24	9.24	0	%100
73	M75	X	-21.735	-21.735	0	%100
74	M75	Z	12.549	12.549	0	%100
75	M77A	X	-22.893	-22.893	0	%100
76	M77A	Z	13.217	13.217	0	%100
77	MP2A	X	-8.447	-8.447	0	%100
78	MP2A	Z	4.877	4.877	0	%100
79	MP3A	X	-10.225	-10.225	0	%100
80	MP3A	Z	5.904	5.904	0	%100
81	MP4A	X	-8.447	-8.447	0	%100
82	MP4A	Z	4.877	4.877	0	%100
83	M81A	X	-12.152	-12.152	0	%100
84	M81A	Z	7.016	7.016	0	%100
85	MP1C	X	-8.447	-8.447	0	%100
	MP1C	Z	4.877	4.877	0	%100
86 87	MP4C	X	-8.447	-8.447	0	%100
88	MP4C	Z	4.877	4.877	0	%100
	M90	X	-3.038	-3.038	0	%100
89	M90	Z	1.754	1.754	0	%100
90	MP1B	X	-8.447	-8.447	0	%100
91		Z	4.877	4.877	0	%100
92	MP1B	X	-8.447	-8.447	0	%100
93	MP4B	Z	4.877	4.877	0	%100
94	MP4B	X	-6.907	-6.907	0	%100
95	M100	Z	3.988	3.988	0	%100
96	M100	X	-2.556	-2.556	0	%100
97	M102	Ž	1.476	1.476	0	%100
98	M102	X	-10.225	-10.225	0	%100
99	M107	Z	5.904	5.904	0	%100
100	M107		-2.556	-2.556	0	%100
101	M112	Z	1.476	1.476	0	%100
102	M112		-11.259	-11.259	0	%100
103	M123	X		6.5	0	%100
104	M123	Z	6.5	-2.815	0	%100
105	M124	X	-2.815	1.625	0	%100 %100
106	M124	Z	1.625		0	%100 %100
107	M125	X	-2.815	-2.815	0	%100 %100
108	M125	Z	1.625	1.625	0	%100 %100
109	M126	X	-17.905	-17.905		%100
110	M126	Z	10.337	10.337	0	%100 %100
111	M127	X	-20.519	-20.519	0	
112	M127	Z	11.847	11.847	0	%100 %100
113	M128	X	-17.905	-17.905	0	%100
114	M128	Z	10.337	10.337	0	%100
115	MP2C	X	-8.447	-8.447	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,%]
116	MP2C	Z	4.877	4.877	0	%100
117	MP3C	X	-10.225	-10.225	0	%100
118	MP3C	Z	5.904	5.904	0	%100
119	MP2B	X	-8.447	-8.447	0	%100
120 121	MP2B	Z	4.877	4.877	0	%100
121	MP3B	X	-10.225	-10.225	0	%100
122	MP3B	Z	5.904	5.904	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft.F	Start Location[ft,%]	End Location[ft,%]
1	LV	X	0	0	0	%100
2	LV	Z	0	0	0	%100
3	M4	X	-14.6	-14.6	- 0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP1A	X	-9.754	-9.754	0	%100
8	MP1A	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	0	0	0	%100
13	M51B	X	-10.262	-10.262	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	-10.262	-10.262	0	%100
16	M52B	Z	0	0	Ö	%100
17	M76	X	-24.641	-24.641	0	%100 %100
18	M76	Z	0	0	0	%100
19	M77	X	-18.823	-18.823	0	%100 %100
20	M77	Z	0	0	0	%100
21	M80	X	-19.826	-19.826	0	%100 %100
22	M80	Z	0	0	0	%100
23	M84	X	-24.641	-24.641	0	%100 %100
24	M84	Z	0	0	0	%100 %100
25	M85	X	-18.823	-18.823	0	%100 %100
26	M85	Ž	-10.023	0	Ö	%100 %100
27	M91	X	-19.826	-19.826	0	%100 %100
28	M91	Z	-19.020	0	0	
29	M34	X	-3.65	-3.65		%100
30	M34	Z	-3.65		0	%100
31	M35	X	-9.265	-9.265	0	%100
32	M35	Z	-9.205			%100
33	M36	X	-9.265	0	0	%100
34	M36	Z		-9.265	0	%100
35	M37	X	0	0	0	%100
36	M37		-18.481	-18.481	0	%100
		Z	0	0	0	%100
37	M40	X	-10.262	-10.262	0	%100
38	M40	Z	0	0	0	%100
39	M41	X	0	0	0	%100
40	M41	Z	0	0	0	%100
41	M45	X	-6.16	-6.16	0	%100
42	M45	Z	0	0	0	%100
43	M46A	X	-18.823	-18.823	0	%100
44	M46A	Z	0	0	0	%100
45	M48	X	-19.826	-19.826	0	%100
46	M48	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.9
47	M50A	X	-6.16	-6.16	0	%100
48	M50A	Z	0	0	0	%100
49	M51C	X	0	0	0	%100
50	M51C	Z	0	0	0	%100
51	M53	X	0	0	0	%100
52	M53	Z	0	0	0	%100
53	M58A	X	-3.65	-3.65	0	%100
54	M58A	Z	0	0	0	%100
55	M59A	X	-9.265	-9.265	0	%100
56	M59A	Z	0	0	0	%100
57	M60	X	-9.265	-9.265	0	%100
58	M60	Z	0	0	0	%100
59	M61	X	-18.481	-18.481	0	%100
60	M61	Z	0	0	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	0	0	0	%100
63	M65	X	-10.262	-10.262	0	%100
64	M65	Z	0	0	0	%100
65	M69	X	-6.16	-6.16	0	%100
66	M69	Z	0	0	0	%100
67	M70	X	0	0	0	%100
38	M70	Z	0	0	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	0	0	0	%100
71	M74	X	-6.16	-6.16	0	%100
72	M74	Z	0	0	0	%100
73	M75	X	-18.823	-18.823	0	%100
74	M75	Z	0	0	0	%100
75	M77A	X	-19.826	-19.826	0	%100
76	M77A	Z	0	0	0	%100
77	MP2A	X	-9.754	-9.754	0	%100
78	MP2A	Z	0	0	0	%100
79	MP3A	X	-11.807	-11.807	0	%100
30	MP3A	Z	0	0	0	%100
31	MP4A	X	-9.754	-9.754	0	%100
32	MP4A	Z	0	0	0	%100
33	M81A	X	-10.524	-10.524	0	%100
34	M81A	Z	0	0	0	%100
35	MP1C	X	-9.754	-9.754	0	%100
36	MP1C	Z	0	0	0	%100
37	MP4C	X	<i>-</i> 9.754	-9.754	0	%100
38	MP4C	Z	0	0	0	%100
39	M90	X	-10.524	-10.524	0	%100
90	M90	Ž	0	0	0	%100
91	MP1B	X	-9.754	-9.754	0	%100
92	MP1B	Ž	0	0	0	%100
93	MP4B	X	-9.754	-9.754	0	%100
94	MP4B	Z	0	0	0	%100
95	M100	X	-7.976	-7.976	0	%100
96	M100	Z	0	0	0	%100
	M102	X	Ö	0	0	%100
97		Z	0	0	0	%100
98	M102	X	-8.855	-8.855	0	%100
99	M107	Ž	0	0	0	%100
00	M107 M112	X	-8.855	-8.855	0	%100
01		Ž	0	0	0	%100
03	M112 M123	X	-9.751	-9.751	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,%]
104	M123	Z	0	0	0	%100
105	M124	X	-9.751	-9.751	0	%100
106	M124	Z	0	0	0	%100
107	M125	X	0	0	0	%100
108	M125	Z	0	0	Ō	%100
109	M126	X	-19.669	-19,669	0	%100
110	M126	Z	0	0	0	%100
111	M127	X	-22.687	-22.687	0	%100
112	M127	Z	0	0	0	%100
113	M128	X	-22.687	-22.687	0	%100
114	M128	Z	0	0	0	%100
115	MP2C	X	-9.754	-9.754	0	%100
116	MP2C	Z	0	0	0	%100
117	MP3C	X	-11.807	-11.807	0	%100
118	MP3C	Z	0	0	Ö	%100
119	MP2B	X	-9.754	-9.754	0	%100
120	MP2B	Z	0	0	Ö	%100
121	MP3B	X	-11.807	-11.807	0	%100
122	MP3B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
1	LV	X	-3.038	-3.038	0	%100
2	LV	Z	-1.754	-1.754	0	%100
3	M4	X	-9.483	-9.483	0	%100
4	M4	Z	-5.475	-5.475	0	%100
5	M10	X	-2.675	-2.675	0	%100
6	M10	Z	-1.544	-1.544	0	%100
7	MP1A	X	-8.447	-8.447	0	%100
8	MP1A	Z	-4.877	-4.877	0	%100
9	M43	X	-2.675	-2.675	0	%100
10	M43	Z	-1.544	-1.544	0	%100
11	M46	X	-5.335	-5.335	0	%100
12	M46	Z	-3.08	-3.08	0	%100
13	M51B	X	-2.962	-2.962	0	%100
14	M51B	Z	-1.71	-1.71	0	%100
15	M52B	X	-11.849	-11.849	0	%100
16	M52B	Z	-6.841	-6.841	0	%100
17	M76	X	-16.005	-16.005	0	%100
18	M76	Z	-9.24	-9.24	0	%100
19	M77	X	-5.434	-5.434	0	%100
20	M77	Z	-3.137	-3.137	0	%100
21	M80	X	-5.723	-5.723	0	%100
22	M80	Z	-3.304	-3.304	0	%100
23	M84	X	-16.005	-16.005	0	%100
24	M84	Z	-9.24	-9.24	0	%100
25	M85	X	-21.735	-21.735	0	%100
26	M85	Z	-12.549	-12.549	0	%100
27	M91	X	-22.893	-22.893	0	%100
28	M91	Z	-13.217	-13.217	0	%100
29	M34	X	-9.483	-9.483	0	%100
30	M34	Z	-5.475	-5.475	Ŏ	%100
31	M35	X	-2.675	-2.675	0	%100 %100
32	M35	Z	-1.544	-1.544	0	%100 %100
33	M36	X	-2.675	-2.675	0	%100
34	M36	Z	-1.544	-1.544	0	%100 %100



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

	Member Label	Direction	Start Magnitude[lb/ft, -5.335	.End Magnitude[lb/ft,F -5.335	Start Location[ft,%] 0	End Location[ft.% %100
35	M37	Z	-3.08	-3.08	0	%100
36	M37		-11.849	-11.849	0	%100
37	M40	Z	-6.841	-6.841	0	%100
38	M40		-2.962	-2.962	0	%100
39	M41	X	-2.902	-1.71	0	%100
40	M41	Z	-16.005	-16.005	0	%100
41	M45	X	-9.24	-9.24	0	%100
42	M45	Z		-21.735	0	%100
43	M46A	X	-21.735	-12.549	0	%100
44	M46A	Z	-12.549	-22.893	0	%100
45	M48	X	-22.893	-13.217	0	%100
46	M48	Z	-13.217	-16.005	0	%100
47	M50A	X	-16.005	-9.24	0	%100
48	M50A	Z	-9.24		0	%100
49	M51C	X	-5.434	-5.434	0	%100
50	M51C	Z	-3.137	-3.137	0	%100 %100
51	M53	X	-5.723	-5.723	0	%100 %100
52	M53	Z	-3.304	-3.304	0	%100
53	M58A	X	0	0	0	%100
54	M58A	Z	0	0		%100 %100
55	M59A	X	-10.699	-10.699	0	%100 %100
56	M59A	Z	-6.177	-6.177	0	%100
57	M60	X	-10.699	-10.699	0	%100 %100
58	M60	Z	-6.177	-6.177	0	%100 %100
59	M61	X	-21.34	-21.34	0	%100
60	M61	Z	-12.32	-12.32	0	
61	M64	X	-2.962	-2.962	0	%100
62	M64	Z	-1.71	-1.71	0	%100
63	M65	X	-2.962	-2.962	0	%100
64	M65	Z	-1.71	-1.71	0	%100 %400
65	M69	- X	0	0	0	%100
66	M69	Z	0	0	0	%100
67	M70	X	-5.434	-5.434	0	%100
68	M70	Z	-3.137	-3.137	0	%100
69	M72	X	-5.723	-5.723	0	%100
70	M72	Z	-3.304	-3.304	0	%100
71	M74	X	0	0	0	%100
72	M74	Z	0	0	0	%100
73	M75	X	-5.434	-5.434	0	%100
74	M75	Z	-3.137	-3.137	0	%100
75	M77A	X	-5.723	-5.723	0	%100
76	M77A	Z	-3.304	-3.304	0	%100
77	MP2A	X	-8.447	-8.447	0	%100
78	MP2A	Z	-4.877	-4.877	0	%100
79	MP3A	X	-10.225	-10.225	0	%100
80	MP3A	Z	-5.904	-5.904	0	%100
81	MP4A	X	-8.447	-8.447	0	%100
82	MP4A	Z	-4.877	-4.877	0	%100
83	M81A	X	-3.038	-3.038	00	%100
84	M81A	Z	-1.754	-1.754	0	%100
85	MP1C	X	-8.447	-8.447	0	%100
86	MP1C	Z	-4.877	-4.877	0	%100
87	MP4C	X	-8.447	-8.447	0	%100
	MP4C	Z	-4.877	-4.877	0	%100
88	M90	X	-12.152	-12.152	0	%100
89	M90	Z	-7.016	-7.016	0	%100
90	MP1B	X	-8.447	-8.447	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft.%]	End Location[ft,%]
92	MP1B	Z	-4.877	-4.877	0	%100
93	MP4B	X	-8.447	-8.447	0	%100
94	MP4B	Z	-4.877	-4.877	0	%100
95	M100	X	-6.907	-6.907	0	%100
96	M100	Z	-3.988	-3.988	0	%100
97	M102	X	-2.556	-2.556	0	%100 %100
98	M102	Z	-1.476	-1.476	0	%100 %100
99	M107	X	-2.556	-2.556	0	%100
100	M107	Z	-1.476	-1.476	0	%100 %100
101	M112	X	-10.225	-10.225	0	%100 %100
102	M112	Z	-5.904	-5.904	0	%100
103	M123	X	-2.815	-2.815	0	%100 %100
104	M123	Z	-1.625	-1.625	Ö	%100
105	M124	X	-11.259	-11,259	0	%100 %100
106	M124	Z	-6.5	-6.5	Ö	%100 %100
107	M125	X	-2.815	-2.815	0	%100 %100
108	M125	Z	-1.625	-1.625	0	%100 %100
109	M126	X	-17.905	-17.905	Ö	%100 %100
110	M126	Z	-10.337	-10.337	Ö	%100 %100
111	M127	X	-17.905	-17.905	0	%100 %100
112	M127	Z	-10.337	-10.337	Ö	%100 %100
113	M128	X	-20.519	-20.519	0	%100 %100
114	M128	Z	-11.847	-11.847	ő	%100 %100
115	MP2C	X	-8.447	-8.447	0	%100 %100
116	MP2C	Z	-4.877	-4.877	0	%100 %100
117	MP3C	X	-10.225	-10.225	0	%100 %100
118	MP3C	Z	-5.904	-5.904	0	%100 %100
119	MP2B	X	-8.447	-8.447	0	%100 %100
120	MP2B	Z	-4.877	-4.877	0	%100
121	MP3B	X	-10.225	-10.225	0	%100 %100
122	MP3B	Z	-5.904	-5.904	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	LV	X	-5.262	-5.262	0	%100
2	LV	Z	-9.114	-9.114	0	%100
3	M4	X	-1.825	-1.825	0	%100
4	M4	Z	-3.161	-3.161	0	%100
5	M10	X	-4.633	-4.633	0	%100 %100
6	M10	Z	-8.024	-8.024	Ö	%100
7	MP1A	X	-4.877	-4.877	0	%100 %100
8	MP1A	Z	-8.447	-8.447	0	%100
9	M43	X	-4.633	-4.633	0	%100 %100
10	M43	Z	-8.024	-8.024	0	%100 %100
11	M46	X	-9.24	-9.24	0	%100 %100
12	M46	7	-16.005	-16.005	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	0	0	0	%100 %100
15	M52B	X	-5.131	-5.131	0	%100 %100
16	M52B	Z	-8.887	-8.887	0	
17	M76	X	-3.08	-3.08	0	%100 %400
18	M76	7	-5.335	-5.335	0	%100 %100
19	M77	X	-5.555	-5.333	0	%100
20	M77	7	0	0		%100
21	M80	X	0	0	0	%100
22	M80	7	0	0	0	%100
	10100		U	1 0 1	0	%100



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

	Member Label	Direction		End Magnitude[lb/ft,F.,	Start Location[ft,%]	End Location[ft,%]
23	M84	X	-3.08	-3.08	0	%100
24	M84	Z	-5.335	-5.335	0	%100 %100
25	M85	X	-9.411	-9.411	0	%100 %100
26	M85	Z	-16.301	-16.301	0	%100 %100
27	M91	X	-9,913	-9.913	0	%100 %100
28	M91	Z	-17.169	-17.169	0	%100 %100
29	M34	X	-7.3	-7.3	0	
30	M34	Z	-12.644	-12.644	0	%100
31	M35	X	0	0	0	%100
32	M35	Z	0	0	0	%100
33	M36	X	0	0	0	%100
34	M36	Z	0	0	0	%100
35	M37	X	0	0	0	%100
36	M37	Z	0	0	0	%100
37	M40	X	-5.131	-5.131	0	%100
38	M40	Z	-8.887	-8.887	0	%100
39	M41	X	-5.131	-5.131	0	%100
40	M41	Z	-8.887	-8.887	0	%100
41	M45	X	-12.32	-12.32	0	%100
42	M45	Z	-21.34	-21.34	0	%100
43	M46A	X	-9.411	-9.411	0	%100
44	M46A	Z	-16.301	-16.301	0	%100
45	M48	X	-9.913	-9.913	0	%100
46	M48	Z	-17.169	-17.169	0	%100
47	M50A	X	-12.32	-12.32	0	%100
48	M50A	Z	-21.34	-21.34	0	%100
49	M51C	X	-9.411	-9.411	0	%100
50	M51C	Z	-16.301	-16.301	0	%100
51	M53	X	-9.913	-9.913	0	%100
52	M53	Z	-17.169	-17.169	0	%100
53	M58A	X	-1.825	-1.825	0	%100
54	M58A	Z	-3.161	-3.161	0	%100
55	M59A	X	-4.633	-4.633	0	%100
56	M59A	Z	-8.024	-8.024	0	%100
57	M60	X	-4.633	-4.633	0	%100
58	M60	Z	-8.024	-8.024	0	%100
59	M61	X	-9.24	-9.24	00	%100
60	M61	Z	-16.005	-16.005	0	%100
61	M64	X	-5.131	-5.131	0	%100
62	M64	Z	-8.887	-8.887	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	0	0	0	%100
65	M69	X	-3.08	-3.08	0	%100
66	M69	Z	-5.335	-5.335	0	%100
67	M70	X	-9.411	-9.411	0	%100
68	M70	Z	-16.301	-16.301	0	%100
69	M72	X	-9.913	-9.913	0	%100
70	M72	Z	-17.169	-17.169	0	%100
71	M74	X	-3.08	-3.08	0	%100
72	M74	Z	-5.335	-5.335	0	%100
73	M75	X	0	0	0	%100
74	M75	Z	0	0	0	%100
75	M77A	X	0	0	0	%100
	M77A	Ž	0	0	0	%100
76	MP2A	X	-4.877	-4.877	0	%100
77		Ž	-8.447	-8.447	0	%100
78	MP2A MP3A	X	-5.904	-5.904	0	%100

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

80 81	MP3A			End Magnitude[lb/ft,F	THE REAL PROPERTY AND ADDRESS OF THE PARTY AND	End Location[ft,%]
		Z	-10.225	-10,225	0	%100
	MP4A	X	-4.877	-4.877	0	%100
82	MP4A	Z	-8.447	-8.447	0	%100
83	M81A	X	0	0	0	%100
84	M81A	Z	0	0	0	%100
85	MP1C	X	-4.877	-4.877	0	%100
86	MP1C	Z	-8.447	-8.447	0	%100
87	MP4C	X	-4.877	-4.877	0	%100
88	MP4C	Z	-8.447	-8.447	0	%100
89	M90	X	-5,262	-5.262	0	%100
90	M90	Z	-9.114	-9.114	0	%100
91	MP1B	X	-4.877	-4.877	0	%100
92	MP1B	Z	-8.447	-8.447	0	%100
93	MP4B	X	-4.877	-4.877	0	%100
94	MP4B	Z	-8.447	-8.447	Ö	%100
95	M100	X	-3.988	-3.988	Ö	%100
96	M100	Z	-6.907	-6.907	Ô	%100
97	M102	X	-4.428	-4.428	Ö	%100
98	M102	Z	-7.669	-7.669	Ö	%100 %100
99	M107	X	0	0	0	%100
100	M107	Z	0	0	Ŏ	%100 %100
101	M112	X	-4.428	-4.428	0	%100 %100
102	M112	Z	-7.669	-7.669	Ŏ	%100 %100
103	M123	X	0	0	0	%100 %100
104	M123	Z	0	0	Ö	%100
105	M124	X	-4.875	-4.875	0	%100
106	M124	Z	-8.444	-8.444	0	%100 %100
107	M125	X	-4.875	-4.875	0	%100 %100
108	M125	Z	-8.444	-8.444	Ö	%100 %100
109	M126	X	-11.344	-11.344	0	%100 %100
110	M126	Z	-19.648	-19.648	Ö	%100 %100
111	M127	X	-9.834	-9.834	0	%100 %100
112	M127	Z	-17.034	-17.034	0	%100 %100
113	M128	X	-11.344	-11.344	0	%100 %100
114	M128	Z	-19.648	-19.648	0	%100 %100
115	MP2C	X	-4.877	-4.877	0	%100 %100
116	MP2C	Z	-8.447	-8.447	0	%100 %100
117	MP3C	X	-5.904	-5.904	0	%100 %100
118	MP3C	7	-10.225	-10.225	0	
119	MP2B	X	-4.877	-4.877	0	%100 %100
120	MP2B	Ž	-8.447	-8.447		%100
121	MP3B	X	-5.904	-5.904	0	%100 %100
122	MP3B	Z	-10.225	-10.225	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	LV	X	0	0	0	%100
2	LV	Z	-5.023	-5.023	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-3.898	-3.898	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	-4.023	-4.023	0	%100
9	M43	X	0	0	n	%100 %100
10	M43	Z	-3.898	-3.898	O O	%100 %100

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

	Member Label	Direction			Start Location[ft,%]	End Location[ft.9
11	M46	X	0	0	0	%100
12	M46	Z	-5.851	-5.851	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	-1.105	-1.105	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	-1.105	-1.105	0	%100
17	M76	X	0	0	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	-1.47	-1.47	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	-1.53	-1.53	0	%100
23	M84	X	0	0	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	-1.47	-1.47	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	-1.53	-1.53	0	%100
29	M34	X	0	0	0	%100
30	M34	Z	-3.561	-3.561	0	%100
31	M35	X	0	0	0	%100
32	M35	Z	975	975	0	%100
33	M36	X	0	0	0	%100
34	M36	Z	975	975	0	%100
35	M37	X	0	0	0	%100
36	M37	Z	-1.463	-1.463	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	-1.105	-1.105	0	%100
39	M41	X	0	0	0	%100
40	M41	Z	-4.421	-4.421	0	%100
11	M45	X	0	0	0	%100
12	M45	Z	-4.35	-4.35	0	%100
13	M46A	X	0	0	0	%100
14	M46A	Ž	-1.47	-1.47	0	%100
15	M48	X	0	0	0	%100
16	M48	Z	-1.53	-1.53	0	%100
17	M50A	X	0	0	0	%100
18	M50A	Z	-4.35	-4.35	0	%100
19	M51C	X	0	0	0	%100
50	M51C	Z	-5.88	-5.88	0	%100
51	M53	X	0	0	0	%100
52	M53	Z	-6.119	-6.119	0	%100
3	M58A	X	0	0	0	%100
54	M58A	Z	-3.561	-3.561	0	%100
55	M59A	X	0	0	0	%100
	M59A	Z	975	975	0	%100
56	M60	X	0	0	0	%100
58	M60	Z	975	975	0	%100
	M61	X	570	0	0	%100
59	M61	Z	-1,463	-1.463	0	%100
30		X	0	0	0	%100
31	M64	Z	-4.421	-4.421	0	%100
32	M64	X	0	0	0	%100
63	M65	Z	-1.105	-1.105	0	%100
54	M65	X	0	0	0	%100
35	M69 M69	Z	-4.35	-4.35	0	%100
66						

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F.	Start Location[ft.%]	End Location[ft,%]
68	M70	Z	-5.88	-5.88	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	-6.119	-6.119	0	%100
71	M74	X	0	0	0	%100
72	M74	Z	-4.35	-4.35	0	%100
73	M75	X	0	0	0	%100
74	M75	Z	-1.47	-1.47	0	%100
75	M77A	X	0	0	0	%100
76	M77A	Z	-1.53	-1.53	0	%100
77	MP2A	X	0	0	0	%100
78	MP2A	Z	-4.023	-4.023	0	%100
79	MP3A	X	0	0	0	%100
80	MP3A	Z	-4.386	-4.386	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	-4.023	-4.023	0	%100
83	M81A	X	0	0	0 0	%100
84	M81A	Z	-1.256	-1.256	0	%100
85	MP1C	X	0	0	0	%100
86	MP1C	Z	-4.023	-4.023	0	%100
87	MP4C	X	0	00	0	%100
88	MP4C	Z	-4.023	-4.023	0	%100
89	M90	X	0	0	0	%100
90	M90	Z	-1.256	-1.256	0	%100
91	MP1B	X	0	0	0	%100
	MP1B	Z	-4.023	-4.023	0	%100
93	MP4B MP4B	X	0	0	0	%100
95	M100	Z	-4.023	-4.023	0	%100
96	M100	Z	0	0	0	%100
97	M102		-3.226	-3.226	0	%100
98	M102	Z	0	0	0	%100
99	M107	X	-4.57	-4.57	0	%100
100	M107	Z	0	0	0	%100
101	M112	X	-1.142	-1.142	0	%100
102	M112	Z	-1.142	-1.142	0	%100
103	M123	X	-1.142		0	%100
104	M123	Z	948	948	0	%100
105	M124	X	940	948	0	%100
106	M124	Z	948	948	0	%100 %400
107	M125	X	546	946		%100 %400
108	M125	Z	-3.791	-3.791	0	%100 %100
109	M126	X	0	-3.791	0	%100 %400
110	M126	Z	-5.784	-5.784		%100 %400
111	M127	X	-3.764	-5.764	0	%100 %100
112	M127	Z	-5.73	-5.73	0	%100 %100
113	M128	X	-5.73	-5.73	0	%100 %100
114	M128	Z	-5.73	-5.73	0	%100 %100
115	MP2C	X	-5.75	-5.75	0	%100 %100
116	MP2C	Z	-4.023	-4.023	0	%100 %100
117	MP3C	X	-4.023	-4.023	0	%100 %100
118	MP3C	Ž	-4.386	-4.386	0	%100 %100
119	MP2B	X	-4.500	0	0	%100 %100
120	MP2B	Z	-4.023	-4.023	0	%100 %100
121	MP3B	X	0	-4.023	0	%100 %100
122	MP3B	Z	-4.386	-4.386	0	%100 %100

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

M	ember Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,F.,		End Location[ft,%
1	LV	X	1.884	1.884	0	%100 %100
2	LV	Z	-3.262	-3.262	0	%100 %100
3	M4	X	.593	.593	0	%100 %100
4	M4	Z	-1.028	-1.028	0	%100 %100
5	M10	X	1.462	1,462	0	%100 %100
6	M10	Z	-2,532	-2.532	0	%100 %100
7	MP1A	X	2.012	2.012	0	%100
8	MP1A	Z	-3.484	-3.484	0	%100 %100
9	M43	X	1.462	1.462	0	%100 %100
10	M43	Z	-2.532	-2.532	0	%100 %100
11	M46	X	2.194	2.194	0	%100 %100
12	M46	Z	-3.8	-3.8	0	%100 %100
13	M51B	X	1.658	1.658		%100 %100
14	M51B	Z	-2.871	-2.871	0	%100 %100
15	M52B	X	0	0	0	%100 %100
16	M52B	Z	0	0	0	%100 %100
17	M76	X	.725	.725	0	%100 %100
18	M76	Z	-1.256	-1.256	0	%100 %100
19	M77	X	2.205	2.205		%100
20	M77	Z	-3.819	-3.819	0	%100 %100
21	M80	X	2.295	2.295	0	%100
22	M80	Z	-3.974	-3.974	0	%100 %100
23	M84	X	.725	.725		%100
24	M84	Z	-1.256	-1.256	0	%100 %100
25	M85	X	0	0	0	%100 %100
26	M85	Z	0	0		%100 %100
27	M91	X	0	0	0	%100 %100
28	M91	Z	0	0		%100 %100
29	M34	X	.593	.593	0	%100 %100
30	M34	Z	-1.028	-1.028		%100 %100
31	M35	X	1.462	1.462	0	%100
32	M35	Z	-2.532	-2.532	0	%100 %100
33	M36	X	1.462	1.462	0	%100
34	M36	Z	-2.532	-2.532	0	%100 %100
35	M37	X	2.194	2.194	0	%100 %100
36	M37	Z	-3.8	-3.8	0	
37	M40	X	0	0	0	%100 %100
38	M40	Z	0	0	0	%100 %100
39	M41	X	1.658	1.658	0	%100 %100
40	M41	Z	-2.871	-2.871	0	%100 %100
41	M45	X	.725	.725	0	%100 %100
42	M45	Z	-1.256	-1.256		%100 %100
43	M46A	X	0	0	0	
44	M46A	Z	0	0	0	%100 %100
45	M48	X	0	0	0	%100 %100
46	M48	Z	0	0	0	
47	M50A	X	.725	.725	0	%100 %100
48	M50A	Z	-1.256	-1.256	0	%100 %100
49	M51C	X	2.205	2.205	0	%100 %100
50	M51C	Z	-3.819	-3.819	0	
51	M53	X	2.295	2.295	0	%100 %100
52	M53	Z	-3.974	-3.974	0	%100 %100
53	M58A	X	2.374	2.374	0	%100
54	M58A	Z	-4.112	-4.112	0	%100 %100
55	M59A	X	0	0	0	%100 %100
56	M59A	Z	0	0	0	%100 %100
57	M60	X	0	0	2 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,%]
58	M60	Z	0	0	0	%100
59	M61	X	0	0	0	%100
60	M61	Z	0	0	0	%100
61	M64	X	1.658	1.658	0	%100
62	M64	Z	-2.871	-2.871	0	%100
63	M65	X	1.658	1.658	0	%100
64	M65	Z	-2.871	-2.871	0	%100
65	M69	X	2.9	2.9	0	%100
66	M69	Z	-5.023	-5.023	0	%100
67	M70	X	2.205	2,205	0	%100
68	M70	Z	-3.819	-3.819	0	%100
69	M72	X	2.295	2.295	0	%100
70	M72	Z	-3.974	-3.974	0	%100
71	M74	X	2.9	2.9	0	%100
72	M74	Z	-5.023	-5.023	0	%100
73	M75	X	2.205	2.205	0	%100 %100
74	M75	Z	-3.819	-3.819	0	%100 %100
75	M77A	X	2.295	2.295	0	%100
76	M77A	Z	-3.974	-3.974	0	%100 %100
77	MP2A	X	2.012	2.012	0	%100 %100
78	MP2A	Ž	-3.484		0	
79	MP3A	X	2.193	-3.484		%100
80	MP3A			2.193	0	%100
81	MP4A	Z	-3.798	-3.798	0	%100
82	MP4A	X	2.012	2.012	0	%100
		Z	-3.484	-3.484	0	%100
83	M81A	X	1.884	1.884	0	%100
84	M81A	Z	-3.262	-3.262	0	%100
85	MP1C	X	2.012	2.012	0	%100
86	MP1C	Z	-3.484	-3.484	0	%100
87	MP4C	X	2.012	2.012	00	%100
88	MP4C	Z	-3.484	-3.484	0	%100
89	M90	- X	0	0	0	%100
90	M90	Z	0	0	0	%100
91	MP1B	X	2.012	2.012	0	%100
92	MP1B	Z	-3.484	-3.484	. 0	%100
93	MP4B	X	2.012	2.012	0	%100
94	MP4B	Z	-3.484	-3.484	0	%100
95	M100	X	1.613	1.613	0	%100
96	M100	Z	-2.794	-2.794	0	%100
97	M102	X	1.714	1.714	0	%100
98	M102	Z	-2.968	-2.968	0	%100
99	M107	X	1.714	1.714	0	%100
100	M107	Z	-2.968	-2.968	0	%100
101	M112	X	0	0	0	%100
102	M112	Z	0	0	0	%100
103	M123	X	1.422	1.422	Ō	%100
104	M123	Z	-2.462	-2.462	0	%100
105	M124	X	0	0	Ó	%100 %100
106	M124	Z	Ö	Ö	0	%100 %100
107	M125	X	1.421	1.421	0	%100 %100
108	M125	Z	-2.462	-2.462	0	%100 %100
109	M126	X	2.883	2.883	0	%100 %100
110	M126	Z	-4.994	-4.994	0	%100 %100
111	M127	X	2.883	2.883	0	%100 %100
112	M127	Ž	-4.994	-4.994	0	
113	M128	X	2.856			%100
114	M128	Z	-4.947	2.856 -4.947	0	%100 %400
	WITZU		-4.541	-4.941	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.%]
115	MP2C	X	2.012	2.012	0	%100
115	MP2C	7	-3.484	-3.484	0	%100
116 117	MP3C	X	2.193	2.193	0	%100
	MP3C	7	-3.798	-3.798	0	%100
118	MP2B	X	2.012	2.012	0	%100
119 120	MP2B	7	-3.484	-3.484	0	%100
120	MP3B	X	2.193	2.193	0	%100
121	MP3B	7	-3.798	-3.798	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F.	Start Location[ft,%]	End Location[ft,%
1	LV	X	1.087	1.087	0	%100
2	LV	Z	628	628	0	%100
3	M4	X (*)	3.084	3.084	0	%100
4	M4	Z	-1.78	-1.78	0	%100
5	M10	X	.844	.844	0	%100
6	M10	Z	487	487	0	%100
7	MP1A	X	3.484	3.484	0	%100
8	MP1A	Z	-2.012	-2.012	0	%100
9	M43	X	.844	.844	0	%100
10	M43	Z	487	487	0	%100
11	M46	X	1.267	1.267	- 0	%100
12	M46	Z	731	731	0	%100
13	M51B	X	3.828	3.828	0	%100
14	M51B	Z	-2.21	-2.21	0	%100
15	M52B	X	.957	.957	0	%100
16	M52B	Z	553	553	0	%100
	M76	X	3.767	3.767	0	%100
17 18	M76	Z	-2.175	-2.175	0	%100
	M77	X	5.093	5.093	0	%100
19	M77	Z	-2.94	-2.94	0	%100
20	M80	X	5.299	5.299	0	%100
21	MOU	Z	-3.059	-3.059	0	%100
22	M80	X	3.767	3.767	0	%100
23	M84	Ž	-2.175	-2.175	0	%100
24	M84	X	1.273	1.273	0	%100
25	M85	Z	735	735	0	%100
26	M85		1.325	1.325	0	%100
27	M91	X	765	765	0	%100
28	M91	Z	0	0	0	%100
29	M34	X	0	0	0	%100
30	M34	Z	3.376	3.376	0	%100
31	M35	X		-1.949	0	%100
32	M35	Z	-1.949	3.376	0	%100
33	M36	X	3.376	-1.949	0	%100
34	M36	Z	-1,949		0	%100 %100
35	M37	X	5.067	5.067	0	%100
36	M37	Z	-2.925	-2.925		%100 %100
37	M40	X	.957	.957	0	%100 %100
38	M40	Z	553	553	0	%100 %100
39	M41	X	.957	.957	0	%100 %100
40	M41	Z	553	553	0	
41	M45	X	0	0	0	%100
42	M45	Z	0	0	0	%100
43	M46A	X	1.273	1.273	0	%100
44	M46A	Z	735	735	0	%100
45	M48	X	1.325	1.325	0	%100

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

46 47 48	M48	Z		.End Magnitude[lb/ft,F		End Location[ft,%
			765	765	0	%100
/Q	M50A	X	0	0	0	%100
	M50A	Z	0	0	0	%100
49	M51C	X	1.273	1.273	0	%100
50	M51C	Z	735	735	0	%100
51	M53	X	1.325	1.325	0	%100
52	M53	Z	765	765	0	%100
53	M58A	X	3.084	3.084	0	%100
54	M58A	Z	-1.78	-1.78	0	%100
55	M59A	X	.844	.844	0	%100
56	M59A	Z	487	487	0	%100
57	M60	X	.844	.844	0	%100
58	M60	Z	487	487	0	%100
59	M61	X	1.267	1.267	0	%100
60	M61	Z	731	731	0	%100 %100
61	M64	X	.957	.957	0	%100 %100
62	M64	Z	553	553	0	%100 %100
63	M65	X	3.828	3.828	0	%100 %100
64	M65	Z	-2.21	-2.21	0	%100 %100
65	M69	X	3.767	3.767	0	%100 %100
66	M69	Z	-2.175	-2.175	0	%100
67	M70	X	1.273	1.273	0	
68	M70	Z	735	735	0	%100 %100
69	M72	X	1.325	1.325		%100
70	M72	Z	765		0	%100
71	M74	X	3.767	765	0	%100
72	M74	Z	-2.175	3.767	0	%100
73	M75	X		-2.175	0	%100
74	M75	Z	5.093	5.093	0	%100
75	M77A		-2.94	-2.94	0	%100
76	M77A	Z	5.299	5.299	0	%100
77	MP2A		-3.059	-3.059	0	%100
78	MP2A	X	3.484	3.484	0	%100
79		Z	-2.012	-2.012	0	%100
80	MP3A	X	3.798	3.798	0	%100
	MP3A	Z	-2.193	-2.193	0	%100
81	MP4A	X	3.484	3.484	0	%100
82	MP4A	Z	-2.012	-2.012	0	%100
83	M81A	X	4.35	4.35	0	%100
84	M81A	Z	-2.511	-2.511	0	%100
85	MP1C	X	3.484	3.484	0	%100
86	MP1C	Z	-2.012	-2.012	0	%100
87	MP4C	X	3.484	3.484	0	%100
88	MP4C	Z	-2.012	-2.012	0	%100
89	M90	X	1.087	1.087	0	%100
90	M90	Z	628	628	0	%100
91	MP1B	X	3.484	3.484	0	%100
92	MP1B	Z	-2.012	-2.012	0	%100
93	MP4B	X	3.484	3.484	0	%100
94	MP4B	Z	-2.012	-2.012	0	%100
95	M100	X	2.794	2.794	0	%100
96	M100	Z	-1.613	-1.613	0	%100
97	M102	X	.989	.989	Ö	%100
98	M102	Z	571	571	ő	%100 %100
99	M107	X	3.958	3.958	0	%100 %100
00	M107	Z	-2.285	-2.285	0	%100 %100
101	M112	X	.989	.989	0	%100 %100
02	M112	Ž	571	571	0	%100 %100



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

	Member Label	Direction	Start MagnitudeIlb/ft	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
103	M123	X	3,283	3.283	0	%100
104	M123	Z	-1.895	-1.895	0	%100
	M124	X	.821	.821	0	%100
105	M124	Z	- 474	474	0	%100
106	M125	X	.821	.821	0	%100
107		+ - 2	474	474	0	%100
108	M125	X	4.962	4.962	0	%100
109	M126	7	-2.865	-2.865	0	%100
110	M126	X	5.009	5.009	0	%100
111	M127	Ž	-2.892	-2.892	0	%100
112	M127			4.962	0	%100
113	M128	X	4.962	-2.865	0	%100
114	M128	Z	-2.865		0	%100 %100
115	MP2C	X	3.484	3.484	0	
116	MP2C	Z	-2.012	-2.012	0	%100
117	MP3C	X	3.798	3.798	0	%100
118	MP3C	Z	-2.193	-2.193	0	%100
119	MP2B	X	3,484	3.484	0	%100
120	MP2B	7	-2.012	-2.012	0	%100
	MP3B	X	3.798	3.798	0	%100
121	MP3B	Z	-2.193	-2.193	0	%100

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

	Member Label	Direction	Start MagnitudeIlb/ft	End Magnitude[lb/ft,F.,	Start Location[ft,%]	End Location[ft,%]
1	LV	X	0	0	0	%100
2	LV	Z	0	0	0	%100
3	M4	X	4.748	4.748	0	%100
	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
	M10	Z	0	0	0	%100
7	MP1A	X	4.023	4.023	0	%100
-	MP1A	Z	0	0	0	%100
8		X	0	0	0	%100
9	M43	Z	Ö	0	0	%100
10	M43	X	0	0	0	%100
11	M46	Z	0	0	0	%100
12	M46	X	3.316	3.316	0	%100
13	M51B		0	0.010	0	%100
14	M51B	Z	3.316	3.316	0	%100
15	M52B	X		3.310	0	%100
16	M52B	Z	0	5.8	0	%100
17	M76	X	5.8		0	%100 %100
18	M76	Z	0	0	0	%100 %100
19	M77	X	4.41	4.41	0	%100 %100
20	M77	Z	0	0		
21	M80	X	4.589	4.589	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	5.8	5.8	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	4.41	4.41	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	4.589	4.589	0	%100
28	M91	Z	0	0	0	%100
29	M34	X	1.187	1.187	0	%100
30	M34	Z	0	0	0	%100
31	M35	X	2.924	2.924	0	%100
	M35	Z	0	0	0	%100
32		X	2.924	2.924	0	%100
33	M36		2.02-1			

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

	Member Label	Direction	Start Magnitude[lb/ft,	,End Magnitude(lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
34	M36	Z	0	0	0	%100
35	M37	X	4.388	4.388	0	%100
36	M37	Z	0	0	0	%100
37	M40	X	3.316	3.316	0	%100
38	M40	Z	0	0	0	%100
39	M41	X	0	0	0	%100
40	M41	Z	0	0	0	%100
41	M45	X	1.45	1.45	0	%100
42	M45	Z	0	0	0	%100
43	M46A	X	4.41	4.41	0	%100
44	M46A	Z	0	0	0	%100
45	M48	X	4.589	4.589	0	%100
46	M48	Z	0	0	0	%100
47	M50A	X	1.45	1.45	0	%100
48	M50A	Z	0	0	0	%100
49	M51C	X	0	0	0	%100
50	M51C	Z	0	0	0	%100
51	M53	X	0	0	0	%100
52	M53	Z	0	0	0	%100
53	M58A	X	1.187	1.187	0	%100
54	M58A	Z	0	0	0	%100
55	M59A	X	2.924	2.924	0	%100
56	M59A	Z	0	0	0	%100
57	M60	X	2.924	2.924	0	%100
58	M60	Z	0	0	0	%100
59	M61	X	4.388	4.388	0	%100
60	M61	Z	0	0	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	0	0	0	%100
63	M65	X	3.316	3.316	0	%100
64	M65	Z	0	0	0	%100
65 66	M69	X	1.45	1.45	0	%100
67	M69 M70	Z	0	0	0	%100
68	M70	Z	0	0	0	%100
69	M72		0	0	0	%100
70	M72	Z	0	0	0	%100
71	M74	X	1.45	0	0	%100
72	M74	Z	0	1.45	0	%100
73	M75	X	4.41	0	0	%100
74	M75	Z	0	4.41	0	%100
75	M77A	X	4.589	4.589	0	%100
76	M77A		4.569	0	0	%100
77	MP2A	X	4.023	4.023	0	%100
78	MP2A	Z	0	4.023	0	%100
79	MP3A		4.386	4.386	0	%100 %100
80	MP3A	Z	4.366	4.386	0	%100 %100
81	MP4A	X	4.023	4.023	0	%100 %100
82	MP4A	Z	4.023	4.023	0	%100 %100
83	M81A	X	3.767	3.767	0	%100 %100
84	M81A	Z	0	0	0	
85	MP1C	X	4.023	4.023	0	%100 %100
86	MP1C	Z	0	4.023	0	%100 %100
87	MP4C	X	4.023	4.023	0	%100 %100
88	MP4C	Ž	4.023	4.023	0	%100 %100
89	M90	X	3.767	3.767	0	
	M90	Ž	J.101	3./0/	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
91	MP1B	X	4.023	4.023	0	%100
92	MP1B	7	0	Q	0	%100
93	MP4B	X	4.023	4.023	0	%100
94	MP4B	Z	0	0	0	%100
95	M100	X	3.226	3.226	0	%100
96	M100	7	0	0	0	%100
97	M102	X	0	0	0	%100
98	M102	Z	0	0	0	%100
	M107	X	3,427	3.427	0	%100
99	M107	Z	0	0	0	%100
100	M112	X	3.427	3.427	0	%100
101	M112	Z	0	0	0	%100
102		X	2.843	2.843	0	%100
103	M123 M123	Z	0	0	0	%100
104		X	2.843	2.843	0	%100
105	M124	Ż	0	0	0	%100
106	M124	X	0	0	0	%100
107	M125	Ž	0	0	0	%100
108	M125	X	5.712	5.712	0	%100
109	M126	Ž	0.712	0	0	%100
110	M126	X	5.766	5.766	0	%100
111	M127	7	3.700	0.700	0	%100
112	M127		5.766	5.766	0	%100
113	M128	Z	0.700	0.700	0	%100
114	M128		4.023	4.023	0	%100
115	MP2C	X	4.023	0	0	%100
116	MP2C	Z		4.386	0	%100
117	MP3C	X	4.386	4.360	0	%100
118	MP3C	Z	0	4.023	0	%100 %100
119	MP2B	X	4.023	4.023	0	%100
120	MP2B	Z	0		0	%100 %100
121	MP3B	X	4.386	4.386	0	%100 %100
122	MP3B	7	0	0	U	/0100

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

	Mambaalabal	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
4 1	Member Label	Direction	1.087	1.087	0	%100
1	LV	7	.628	.628	0	%100
2	LV		3.084	3.084	0	%100
3	M4	X	1.78	1.78	0	%100
4	M4	Z		.844	0	%100
5	M10	X	.844		0	%100
6	M10	Z	.487	.487		%100 %100
7	MP1A	X	3.484	3.484	0	%100 %100
8	MP1A	Z	2.012	2.012	0	
9	M43	X	.844	.844	0	%100
10	M43	Z	.487	.487	0	%100
11	M46	X	1.267	1.267	0	%100
12	M46	7	.731	.731	0	%100
13	M51B	X	.957	.957	0	%100
	M51B	7	.553	.553	0	%100
14		X	3.828	3.828	0	%100
15	M52B	Z	2.21	2.21	0	%100
16	M52B		3.767	3.767	0	%100
17	M76	X		2.175	0	%100
18	M76	Z	2.175	1.273	0	%100
19	M77	X	1.273		0	%100
20	M77	Z	.735	.735	0	%100 %100
21	M80	X	1.325	1.325	U	/6100

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,%]
22	M80	Z	.765	.765	0	%100
23	M84	X	3.767	3.767	0	%100
24	M84	Z	2.175	2.175	0	%100
25	M85	X	5.093	5.093	0	%100
26	M85	Z	2.94	2.94	0	%100
27	M91	X	5.299	5.299	0	%100
28	M91	Z	3.059	3.059	0	%100
29	M34	X	3.084	3.084	0	%100
30	M34	Z	1.78	1.78	0	%100
31	M35	X	.844	.844	0	%100
32	M35	Z	.487	.487	0	%100
33	M36	X	.844	.844	0	%100
34	M36	Z	.487	.487	0	%100
35	M37	X	1.267	1.267	0	%100
36	M37	Z	.731	.731	0	%100
37	M40	X	3.828	3.828	0	%100
38	M40	Z	2.21	2.21	Ö	%100 %100
39	M41	X	.957	.957	Ö	%100 %100
40	M41	Z	.553	.553	Ö	%100 %100
41	M45	X	3.767	3.767	0	%100 %100
42	M45	Z	2.175	2.175	Ö	%100 %100
43	M46A	X	5.093	5.093	0	%100 %100
44	M46A	Z	2.94	2.94	0	%100 %100
45	M48	X	5.299	5.299	0	%100 %100
46	M48	Z	3.059	3.059	0	%100 %100
47	M50A	X	3.767	3.767	0	%100 %100
48	M50A	Z	2.175	2.175	0	%100 %100
49	M51C	X	1.273	1.273	0	%100 %100
50	M51C	Z	.735	.735	0	%100 %100
51	M53	X	1.325	1.325	0	%100 %100
52	M53	Z	.765	.765	0	
53	M58A	X	0	0	0	%100 %100
54	M58A	Z	0	0	0	%100 %400
55	M59A	X	3.376	3.376	0	%100
56	M59A	Z	1.949	1.949	0	%100
57	M60	X	3.376	3.376	0	%100
58	M60	Ž	1.949			%100
59	M61	X	5.067	1.949 5.067	0	<u>%100</u>
60	M61	Z	2.925	2.925		%100
61	M64	X	.957	.957	0	%100
62	M64	Ž	.553	.553	0	%100
63	M65	X	.957		0	%100
64	M65		.553	.957	0	%100
65	M69	X	0	.553	0	%100
66	M69	Z	0	0	0	%100
67	M70	X	1.273	0	0	%100
68	M70	Z		1.273	0	%100
69	M72	X	.735	.735	0	%100
70	M72	Ž	1.325	1.325	0	%100
71	M74	X	.765	.765	0	%100
72	M74	Z	0	0	0	%100
73	M75		0	0	0	%100
74	M75	X	1.273	1.273	0	%100
75	M77A	Z	.735	.735	0	%100
76	M77A	X	1.325	1.325	0	%100
77	MP2A		.765	.765	0	%100
78	MP2A MP2A	Z	3.484	3.484	0	%100
10	IVIFZA		2.012	2.012	0	%100

Company Designer Job Number Model Name

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,%]
79	MP3A	X	3.798	3.798	0	%100
80	MP3A	Z	2.193	2.193	0	%100
81	MP4A	X	3.484	3.484	0	%100
82	MP4A	Z	2.012	2.012	0	%100
83	M81A	X	1.087	1.087	0	%100
84	M81A	7	.628	.628	0	%100
85	MP1C	X	3.484	3.484	0	%100
86	MP1C	Z	2.012	2.012	0	%100
87	MP4C	X	3.484	3.484	0	%100
88	MP4C	Z	2.012	2.012	0	%100
89	M90	X	4.35	4.35	0	%100
90	M90	Z	2.511	2.511	0	%100
91	MP1B	X	3.484	3.484	0	%100
92	MP1B	Z	2.012	2.012	0	%100
93	MP4B	X	3.484	3.484	0	%100
94	MP4B	Z	2.012	2.012	0	%100
	M100	X	2.794	2.794	0	%100
95	M100	Z	1.613	1.613	0	%100
96	M102	X	.989	.989	0	%100
97	M102	Z	.571	.571	0	%100
98	M107	X	.989	.989	0	%100
99	M107	Z	.571	.571	0	%100
100	M112	X	3.958	3.958	0	%100
101	M112	Z	2.285	2.285	0	%100
		X	.821	.821	0	%100
103	M123 M123	Ž	.474	.474	0	%100
104	M124	X	3.283	3.283	0	%100
105 106	M124	Z	1.895	1.895	0	%100
	M125	X	.821	.821	0	%100
107	M125	Z	.474	.474	0	%100
108	M126	X	4.962	4.962	0	%100
109	M126	Z	2.865	2.865	0	%100
110	M127	X	4.962	4.962	0	%100
111	M127	Z	2.865	2.865	0	%100
112		X	5.009	5.009	0	%100
113	M128	Z	2.892	2.892	0	%100
114	M128	X	3,484	3.484	0	%100
115	MP2C	Z	2.012	2.012	0	%100
116	MP2C	X	3.798	3.798	0	%100
117	MP3C	Ž	2.193	2.193	0	%100
118	MP3C	X	3.484	3.484	0	%100
119	MP2B	Z	2.012	2.012	0	%100
120	MP2B	X	3.798	3.798	0	%100
121	MP3B MP3B	Z	2.193	2.193	0	%100

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

	Member Label	Direction		End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft.%]
4	Member Laber	X	1.884	1.884	0	%100
2	LV	7	3.262	3.262	0	%100
4	LV M4	×	.593	.593	0	%100
3	M4	7	1.028	1.028	0	%100
4	M10	X	1,462	1.462	0	%100
5 6	M10	7	2.532	2.532	0	%100
7	MP1A	X	2.012	2.012	0	%100
0	MP1A	7	3.484	3.484	0	%100
9	M43	X	1,462	1.462	0	%100



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

10	Member Label M43	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F.		End Location[ft,%]
11	M46	X	2.532	2.532	0	%100
12	M46	Ž	2.194	2.194	0	%100
13	M51B		3.8	3.8	0	%100
14	M51B	X	0	0	0	%100
15	M52B	Z	0	0	0	%100
16		X	1.658	1.658	0	%100
17	M52B	Z	2.871	2.871	0	%100
18	M76	X	.725	.725	0	%100
	M76	Z	1.256	1.256	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	.725	.725	0	%100
24	M84	Z	1.256	1.256	0	%100
25	M85	X	2.205	2.205	0	%100
26	M85	Z	3.819	3.819	0	%100
27	M91	X	2.295	2.295	0	%100
28	M91	Z	3.974	3.974	0	%100
29	M34	X	2.374	2.374	0	%100
30	M34	Z	4.112	4.112	0	%100
31	M35	X	0	0	0	%100
32	M35	Z	0	0	Ö	%100
33	M36	X	0	0	0	%100
34	M36	Z	0	ŏ	Ö	%100 %100
35	M37	X	0	0	0	%100 %100
36	M37	Z	0	0	0	%100 %100
37	M40	X	1.658	1.658	0	%100 %100
38	M40	Z	2.871	2.871	0	%100 %100
39	M41	X	1.658	1.658	0	%100 %100
40	M41	Z	2.871	2.871	0	
41	M45	X	2.9	2.9	0	%100
42	M45	Z	5.023	5.023	0	<u>%100</u>
43	M46A	X	2.205	2.205	0	%100
44	M46A	Z	3.819	3.819		%100
45	M48	X	2.295	2.295	0	%100
46	M48	Z	3.974	3.974	0	%100
47	M50A	X	2.9		0	%100
48	M50A	Ž	5.023	2.9	0	%100
49	M51C	X		5.023	0	%100
50	M51C	7	2.205	2.205	0	%100
51	M53	X	3.819	3.819	0	%100
52	M53	Z	2.295	2.295	0	%100
53	M58A		3.974	3.974	0	%100
54		X	.593	.593	0	%100
	M58A	Z	1.028	1.028	0	%100
55	M59A	X	1.462	1.462	0	%100
56	M59A	Z	2.532	2.532	0	%100
57	M60	X	1.462	1.462	0	%100
58	M60	Z	2.532	2.532	0	%100
59	M61	X	2.194	2.194	0	%100
60	M61	Z	3.8	3.8	0	%100
61	M64	X	1.658	1.658	0	%100
62	M64	Z	2.871	2.871	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	0	0	0	%100
65	M69	X	.725	.725	0	%100
66	M69	2	1.256	1.256	0	%100



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

Mennoel	ber Distributed Loads (BLC 58 : Structure WI (150 Deg)) (Continued) Member Label Direction Start Magnitude[lb/ft,End Magnitude[lb/ft,F., Start Location[ft,%] End Loca						
	Member Label	Direction		2.205	O Start Location[11,76]	%100	
67	M70	X	2.205 3.819	3.819	ő	%100	
68	M70	Z		2.295	0	%100	
69	M72	X	2.295	3.974	0	%100	
70	M72	Z	3.974	.725	0	%100	
71	M74	<u>X</u>	.725	1.256	0	%100	
72	M74	Z	1.256		0	%100 %100	
73	M75	X	0	0	0	%100	
74	M75	Z	301	0	0	%100	
75	M77A	X	0	0		%100	
76	M77A	Z	0	0	0	%100 %100	
77	MP2A	X	2.012	2.012	0	%100 %100	
78	MP2A	Z	3.484	3.484	0		
79	MP3A	X	2.193	2.193	0	%100	
80	MP3A	Z	3.798	3.798	0	%100	
81	MP4A	X	2.012	2.012	0	%100	
82	MP4A	Z	3.484	3.484	0	%100	
83	M81A	X	0	0	0	%100	
84	M81A	Z	0	0	0	%100	
85	MP1C	X	2.012	2.012	0	%100	
86	MP1C	Z	3.484	3.484	0	%100	
87	MP4C	X	2.012	2.012	0	%100	
88	MP4C	Z	3.484	3.484	0	%100	
89	M90	X	1.884	1.884	0	%100	
90	M90	Z	3.262	3.262	0	%100	
91	MP1B	X	2.012	2.012	0	%100	
92	MP1B	Z	3.484	3.484	0	%100	
93	MP4B	X	2.012	2.012	0	%100	
94	MP4B	Z	3.484	3.484	0	%100	
95	M100	X	1.613	1.613	0	%100	
96	M100	Z	2.794	2.794	0	%100	
97	M102	X	1.714	1.714	0	%100	
98	M102	Z	2.968	2.968	0	%100	
99	M107	X	0	0	0	%100	
	M107	Z	Ů.	0	0	%100	
100	M112	X	1.714	1.714	0	%100	
101	M112	Z	2.968	2.968	0	%100	
102		X	0	0	0	%100	
103	M123	Z	ŏ	0	0	%100	
104	M123		1.421	1.421	Ö	%100	
105	M124	Z	2.462	2.462	0	%100	
106	M124		1.422	1.422	0	%100	
107	M125	X Z	2.462	2.462	Ö	%100	
108	M125			2.883	Ö	%100	
109	M126	X	2.883	4.994	0	%100	
110	M126	Z	4.994		0	%100	
111	M127	X	2.856	2.856 4.947	0	%100 %100	
112	M127	Z	4.947		0	%100 %100	
113	M128	X	2.883	2.883	0	%100 %100	
114	M128	Z	4.994	4.994	0	%100 %100	
115	MP2C	X	2.012	2.012	0	%100 %100	
116	MP2C	Z	3.484	3.484		%100 %100	
117	MP3C	X	2.193	2.193	0		
118	MP3C	Z	3.798	3.798	0	%100 %100	
119	MP2B	X	2.012	2.012	0		
120	MP2B	Z	3.484	3.484	0	%100	
121	MP3B	X	2.193	2.193	0	%100	
122	MP3B	Z	3.798	3.798	0	%100	

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

1	Member Label LV	Direction X	Start Magnitude[lb/ft	End Magnitude[lb/ft,F.,		End Location[ft,%]
2	LV	Z	5.023	5.023	0	%100
3	M4	X	0			%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	3.898		0	%100
7	MP1A			3.898	0	%100
8	MP1A	X	0	0	0	%100
9		Z	4.023	4.023	0	%100
10	M43	X	0	0	0	%100
	M43	Z	3.898	3.898	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	5.851	5.851	0	%100
13	M51B	<u> </u>	0	0	0	%100
14	M51B	Z	1.105	1.105	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	1.105	1.105	0	%100
17	M76	X	0	0	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	1.47	1.47	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	1.53	1.53	0	%100
23	M84	X	0	0	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	1.47	1.47	Ö	%100
27	M91	X	0	0	Ö	%100 %100
28	M91	Z	1.53	1.53	Ö	%100
29	M34	X	0	0	0	%100 %100
30	M34	Z	3.561	3.561	Ö	%100 %100
31	M35	X	0	0	0	%100 %100
32	M35	Z	.975	.975	0	%100 %100
33	M36	X	0	0	0	%100 %100
34	M36	Z	.975	.975	0	%100 %100
35	M37	X	0	0	0	%100 %100
36	M37	Z	1.463	1.463	0	
37	M40	X	1.403	0		%100
38	M40	Z	1.105	1.105	<u>0</u>	%100
39	M41	X	0		0	%100
40	M41	Z	4.421	0	0	%100
41	M45	X	0	4.421	0	%100
42	M45			0	0	%100
43	M46A	Z	4.35	4.35	0	%100
44		X	0	0	0	%100
45	M46A	Z	1.47	1.47	0	%100
	M48	X	0	0	0	%100
46	M48	Z	1.53	1.53	0	%100
47	M50A	X	0	0	0	%100
48	M50A	Z	4.35	4.35	0	%100
49	M51C	X	0	0	0	%100
50	M51C	Z	5.88	5.88	0	%100
51	M53	X	0	0	0	%100
52	M53	Z	6.119	6.119	0	%100
53	M58A	X	0	0.	0	%100
54	M58A	Z	3.561	3.561	0	%100
55	M59A	X	0	0	0	%100
56	M59A	Z	.975	.975	0	%100
57	M60	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft.F	Start Location[ft,%]	End Location[ft,%]
58	M60	Z	.975	.975	0	%100
59	M61	X	0	0	0	%100
60	M61	Z	1.463	1.463	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	4.421	4.421	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	1.105	1.105	0	%100
65	M69	X	0	0	0	%100
	M69	Z	4.35	4.35	0	%100
66	M70	X	0	0	0	%100
67	M70	Z	5.88	5.88	0	%100
68		X	0	0	0	%100
69	M72	Z	6.119	6.119	0	%100
70	M72	X	0.119	0.110	0	%100
71	M74		4.35	4.35	Ö	%100
72	M74	Z		0	0	%100
73	M75	X	0	1.47	0	%100
74	M75	Z	1.47	0	0	%100 %100
75	M77A	X	0	1.53	0	%100
76	M77A	Z	1.53			%100
77	MP2A	X	0	0	0	%100 %100
78	MP2A	Z	4.023	4.023		
79	MP3A	X	0	0	0	%100
80	MP3A	Z	4.386	4.386	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	4.023	4.023	0	%100
83	M81A	X	0	0	0	%100
84	M81A	Z	1.256	1.256	0	%100
85	MP1C	X	0	0	0	%100
86	MP1C	Z	4.023	4.023	0	%100
87	MP4C	X	0	0	0	%100
	MP4C	Ž	4.023	4.023	0	%100
88		X	0	0	0	%100
89	M90	Z	1.256	1.256	0	%100
90	M90	X	0	0	0	%100
91	MP1B	Z	4.023	4.023	0	%100
92	MP1B		0	0	0	%100
93	MP4B	X	4.023	4.023	Ö	%100
94	MP4B	Z		0	0	%100
95	M100	X	0	3.226	Ö	%100
96	M100	Z	3.226	0	0	%100 %100
97	M102	X	0		0	%100
98	M102	Z	4,57	4.57	0	%100 %100
99	M107	X	0	0		%100 %100
100	M107	Z	1.142	1.142	0	
101	M112	X	0	0	0	%100
102	M112	Z	1.142	1.142	0	%100
103	M123	X	0	0	0	%100
104	M123	Z	.948	.948	. 0	%100
105	M124	X	0	0	0	%100
106	M124	Z	.948	.948	0	%100
107	M125	X	0	0	0	%100
108	M125	Z	3.791	3.791	0	%100
		X	0	0	0	%100
109	M126	Z	5.784	5.784	0	%100
110	M126	X	0	0	0	%100
111	M127	Ž	5.73	5.73	Ŏ	%100
112	M127		0	0	0	%100
113	M128	X	5.73	5.73	Ö	%100
114	M128	Z	0.70	0.70		

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,%]
115	MP2C	X	0	0	0	%100
116	MP2C	Z	4.023	4.023	0	%100
117	MP3C	X	0	0	0	%100
118	MP3C	Z	4.386	4.386	0	%100
119	MP2B	X	0	0	0	%100
120	MP2B	Z	4.023	4.023	0	%100
121	MP3B	X	0	0	0	%100
122	MP3B	Z	4.386	4.386	Ō	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
1	LV	X	-1.884	-1.884	0	%100
2	LV	Z	3.262	3.262	0	%100
3	M4	X	593	593	0	%100
4	M4	Z	1.028	1.028	0	%100
5	M10	X	-1.462	-1,462	0	%100
6	M10	Z	2.532	2.532	0	%100
7	MP1A	X	-2.012	-2.012	0	%100
8	MP1A	Z	3.484	3.484	0	%100
9	M43	X	-1.462	-1.462	0	%100
10	M43	Z	2.532	2.532	Ö	%100
11	M46	X	-2.194	-2.194	ŏ	%100
12	M46	Z	3.8	3.8	Ö	%100
13	M51B	X	-1.658	-1.658	0	%100 %100
14	M51B	Z	2.871	2.871	0	%100 %100
15	M52B	X	0	0	0	%100 %100
16	M52B	Z	Ŏ	0	Ö	%100 %100
17	M76	X	725	725	0	%100 %100
18	M76	Z	1.256	1.256	0	%100 %100
19	M77	X	-2,205	-2.205	0	%100 %100
20	M77	Z	3.819	3.819	0	%100 %100
21	M80	X	-2.295	-2.295	0	%100 %100
22	M80	Z	3.974	3.974	0	
23	M84	X	725			%100
24	M84	Z	1.256	725 1.256	0	%100
25	M85	X	0		0	%100
26	M85	Ž	0	0	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	0	0	0	%100
29	M34	X	593		0	%100
30	M34	Ž	1.028	593	0	%100
31	M35			1.028	0	%100
32	M35	X Z	-1.462 2.532	-1.462	0	%100
33	M36			2.532	0	%100
34	M36	X 7	-1.462	-1.462	0	%100
35	M37		2.532	2.532	0	%100
		X	-2.194	-2.194	0	%100
36	M37	Z	3.8	3.8	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	0	0	0	%100
39	M41	X	-1.658	-1.658	0	%100
40	M41	Z	2.871	2.871	0	%100
41	M45	X	725	725	0	%100
42	M45	Z	1.256	1.256	0	%100
43	M46A	X	0	0 -	0	%100
44	M46A	Z	0	0	0	%100
45	M48	X	0	0	0	%100

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

	Member Label	Direction		End Magnitude(lb/ft,F		End Location[ft,%]
46	M48	Z	0	0	0	%100
47	M50A	X	725	725	0	%100
48	M50A	Z	1.256	1.256	0	%100
49	M51C	X	-2.205	-2.205	0	%100
50	M51C	Z	3.819	3.819	0	%100
51	M53	X	-2.295	-2.295	0	%100
52	M53	Z	3.974	3.974	0	%100
53	M58A	X	-2.374	-2.374	0	%100
54	M58A	Z	4.112	4.112	0	%100
55	M59A	X	0	0	0	%100
56	M59A	Z	0	0	0	%100
57	M60	X	0	0	0	%100
58	M60	Z	0	0	0	%100
59	M61	X	0	0	0	%100
60	M61	Z	0	0	0	%100
61	M64	X	-1.658	-1.658	0	%100
62	M64	Z	2.871	2.871	0	%100
63	M65	X	-1.658	-1.658	0	%100
64	M65	Z	2.871	2.871	0	%100
65	M69	X	-2.9	-2.9	0	%100
66	M69	Z	5.023	5.023	0	%100
67	M70	X	-2.205	-2.205	0	%100
68	M70	Z	3.819	3.819	0	%100
69	M72	X	-2.295	-2.295	0	%100
70	M72	Z	3.974	3.974	0	%100
71	M74	X	-2.9	-2.9	0	%100
72	M74	Z	5.023	5.023	0	%100
73	M75	X	-2.205	-2.205	0	%100
74	M75	Z	3.819	3.819	0	%100
75	M77A	X	-2.295	-2.295	0	%100
76	M77A	Z	3.974	3.974	0	%100
	MP2A	X	-2.012	-2.012	0	%100
77	MP2A	Z	3.484	3.484	0	%100
78	MP3A	X	-2.193	-2.193	0	%100
79	MP3A	Z	3.798	3.798	0	%100
80	MP4A	X	-2.012	-2.012	0	%100
81	MP4A	Z	3.484	3.484	0	%100
83	M81A	X	-1.884	-1.884	0	%100
	M81A	Ž	3.262	3.262	0	%100
84	MP1C	X	-2.012	-2.012	0	%100
85	MP1C	Z	3.484	3.484	0	%100
86		X	-2.012	-2.012	0	%100
87	MP4C	Z	3.484	3.484	0	%100
88	MP4C	X	0	0	0	%100
89	M90	Z	0	0	Ö	%100
90	M90	X	-2.012	-2.012	0	%100
91	MP1B	Z	3.484	3.484	Ö	%100
92	MP1B	X	-2.012	-2.012	Ö	%100
93	MP4B	Z	3.484	3,484	Ö	%100
94	MP4B	X	-1.613	-1.613	0	%100
95	M100	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	2.794	2.794	Ö	%100
96	M100	Z	-1.714	-1.714	0	%100
97	M102	X	2.968	2.968	0	%100 %100
98	M102	Z		-1.714	0	%100 %100
99	M107	X	-1.714	2.968	0	%100
100	M107	Z	2.968		0	%100 %100
101	M112	X	0	0	0	%100 %100
102	M112	Z	0	U	U	70 100

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,%]
103	M123	X	-1.422	-1.422	0	%100
104	M123	Z	2.462	2.462	0	%100
105	M124	X	0	0	0	%100
106	M124	Z	0	0	0	%100
107	M125	X	-1.421	-1.421	0	%100
108	M125	Z	2.462	2.462	0	%100
109	M126	X	-2.883	-2.883	0	%100
110	M126	Z	4.994	4.994	0	%100
111	M127	X	-2.883	-2.883	0	%100
112	M127	Z	4.994	4.994	0	%100
113	M128	X	-2.856	-2.856	0	%100
114	M128	Z	4.947	4.947	0	%100
115	MP2C	X	-2.012	-2.012	0	%100
116	MP2C	Z	3.484	3.484	0	%100
117	MP3C	X	-2.193	-2.193	0	%100
118	MP3C	Z	3.798	3.798	0	%100
119	MP2B	X	-2.012	-2.012	0	%100
120	MP2B	Z	3,484	3.484	0	%100
121	MP3B	X	-2.193	-2.193	0	%100
122	MP3B	Z	3.798	3.798	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft.%]	End Location[ft,%]
1	LV	X	-1.087	-1.087	0	%100
2	LV	Z	.628	.628	0	%100
3	M4	X	-3.084	-3.084	0 —	%100
4	M4	Z	1.78	1.78	0	%100
5	M10	X	844	844	0	%100
6	M10	Z	.487	.487	0	%100
7	MP1A	X	-3.484	-3.484	0	%100
8	MP1A	Z	2.012	2.012	0	%100
9	M43	X	844	844	0	%100
10	M43	Z	.487	.487	0	%100
11	M46	X	-1.267	-1.267	0	%100
12	M46	Z	.731	.731	0	%100
13	M51B	X	-3.828	-3.828	0	%100
14	M51B	Z	2.21	2.21	0	%100
15	M52B	X	957	957	0	%100
16	[▶] M52B	Z	.553	.553	0	%100
17	M76	X	-3.767	-3.767	0	%100
18	M76	Z	2.175	2.175	0	%100
19	M77	X	-5.093	-5.093	0	%100
20	M77	Z	2.94	2.94	0	%100
21	M80	X	-5.299	-5.299	0	%100
22	M80	Z	3.059	3.059	0	%100
23	M84	X	-3.767	-3.767	0	%100
24	M84	Z	2.175	2.175	0	%100
25	M85	X	-1.273	-1.273	0	%100
26	M85	Z	.735	.735	0	%100
27	M91	X	-1.325	-1.325	0	%100
28	M91	Z	.765	.765	0	%100
29	M34	X	0	0	Ö	%100 %100
30	M34	Z	0	Ŏ	0	%100
31	M35	X	-3.376	-3.376	0	%100 %100
32	M35	Z	1.949	1.949	0	%100 %100
33	M36	X	-3.376	-3.376	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft	.End Magnitude[lb/ft,F.	Start Location[ft,%]	End Location[ft,% %100
34	M36	Z	1.949	1.949	0	%100 %100
35	M37	X	-5.067	-5.067	0	
36	M37	Z	2.925	2.925	0	%100
37	M40	X	957	957	0	%100
38	M40	Z	.553	.553	0	%100
39	M41	X	957	957	0	%100
40	M41	Z	.553	.553	00	%100
41	M45	X	0	0	0	%100
42	M45	Z	0	0	0	%100
43	M46A	X	-1.273	-1.273	0	%100
44	M46A	Z	.735	.735	0	%100
	M48	X	-1.325	-1.325	0	%100
45	M48	Z	.765	.765	0	%100
46		X	0	0	0	%100
47	M50A	Z	0	0	0	%100
48	M50A	X	-1.273	-1.273	0	%100
49	M51C	Ž	.735	.735	0	%100
50	M51C		-1,325	-1.325	0	%100
51	M53	Z	.765	.765	0	%100
52	M53		-3.084	-3.084	0	%100
53	M58A	X	1.78	1.78	Ö	%100
54	M58A	Z		844	Ö	%100
55	M59A	<u> </u>	844	.487	0	%100
56	M59A	Z	.487		0	%100
57	M60	X	844	844 .487	0	%100
58	M60	Z	.487		0	%100 %100
59	M61	X	-1.267	-1.267		%100 %100
60	M61	Z	.731	.731	0	%100 %100
61	M64	X	957	957	0	%100 %100
62	M64	Z	.553	.553	0	%100 %100
63	M65	X	-3.828	-3.828	0	
64	M65	Z	2.21	2.21	0	%100
65	M69	X	-3.767	-3.767	0	%100
66	M69	Z	2.175	2.175	0	%100
67	M70	X	-1.273	-1.273	0	%100
68	M70	Z	.735	.735	0	%100
69	M72	X	-1.325	-1.325	0	%100
70	M72	Z	.765	.765	0	%100
71	M74	X	-3.767	-3.767	0	%100
72	M74	Z	2.175	2.175	0	%100
73	M75	X	-5.093	-5.093	0	%100
74	M75	Ž	2.94	2.94	0	%100
	M77A	X	-5.299	-5.299	0	%100
75		Z	3.059	3.059	0	%100
76	M77A	X	-3.484	-3.484	0	%100
77	MP2A	Ž	2.012	2.012	0	%100
78	MP2A	X	-3.798	-3.798	0	%100
79	MP3A	Z	2.193	2.193	0	%100
80	MP3A		-3.484	-3.484	0	%100
81	MP4A	X	2.012	2.012	0	%100
82	MP4A	Z	-4.35	-4.35	0	%100
83	M81A	X		2.511	0	%100
84	M81A	Z	2.511	-3.484	0	%100
85	MP1C	X	-3.484		0	%100
86	MP1C	Z	2.012	2.012		%100 %100
87	MP4C	X	-3.484	-3.484	0	%100
88	MP4C	Z	2.012	2.012		
89	M90	X	-1.087	-1.087	0	%100 %100
90	M90	Z	.628	.628	0	76 100

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

	Member Label	Direction	Start MagnitudeIlb/ft	End Magnitude[lb/ft,F.	. Start Location[ft %1	End Location[ft,%]
91	MP1B	X	-3.484	-3.484	0	%100
92	MP1B	Z	2.012	2.012	0	%100
93	MP4B	X	-3.484	-3.484	0	%100
94	MP4B	Z	2.012	2.012	Ŏ	%100
95	M100	X	-2.794	-2.794	Ö	%100
96	M100	Z	1.613	1.613	0	%100
97	M102	X	989	989	0	%100
98	M102	Z	.571	.571	Ö	%100
99	M107	X	-3.958	-3.958	0	%100 %100
100	M107	Z	2.285	2.285	0	%100 %100
101	M112	X	989	989	0	%100 %100
102	M112	Z	.571	.571	0	%100 %100
103	M123	X	-3.283	-3.283	0	%100 %100
104	M123	Z	1.895	1.895	0	%100 %100
105	M124	X	821	821	0	%100 %100
106	M124	7	.474	.474	0	%100 %100
107	M125	X	821	821	0	%100 %100
108	M125	7	.474	.474	0	%100 %100
109	M126	X	-4.962	-4.962	0	%100 %100
110	M126	Z	2.865	2.865	0	%100 %100
111	M127	X	-5.009	-5.009	0	%100 %100
112	M127	Z	2.892	2.892	0	%100 %100
113	M128	X	-4.962	-4.962	0	%100 %100
114	M128	Z	2.865	2.865	0	%100 %100
115	MP2C	X	-3.484	-3.484	0	%100 %100
116	MP2C	7	2.012	2.012	0	%100 %100
117	MP3C	X	-3.798	-3.798	0	%100 %100
118	MP3C	7	2.193	2.193	0	%100 %100
119	MP2B	X	-3.484	-3.484	0	%100 %100
120	MP2B	Z	2.012	2.012	0	%100 %100
121	MP3B	X	-3.798	-3.798	0	%100 %100
122	MP3B	7	2.193	2.193	0	%100 %100

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

	Member Label	Direction	Start Magnitude(lb/ft	End Magnitude[lb/ft,F	Start Location[ft %]	End Location[ft.%]
1	LV	X	0	0	0	%100
2	LV	Z	0	0	0	%100
3	M4	X	-4.748	-4.748	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP1A	X	-4.023	-4.023	0	%100
8	MP1A	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	0	0	0	%100
13	M51B	X	-3.316	-3.316	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	-3.316	-3.316	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	-5.8	-5.8	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	-4.41	-4.41	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	-4.589	-4.589	0	%100



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

M	ember Label	Direction	Start Magnitude[lb/ft	.End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft.9
22	M80	Z	0	0	0	%100
23	M84	X	-5.8	-5.8	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	-4.41	-4.41	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	-4.589	-4.589	0	%100
28	M91	Z	0	0	0	%100
29	M34	X	-1.187	-1.187	0	%100
30	M34	Z	0	0	0	%100
31	M35	X	-2.924	-2.924	0	%100
32	M35	Z	0	0	0	%100
33	M36	X	-2.924	-2.924	0	%100
34	M36	Z	0	0	0	%100
35	M37	X	-4.388	-4.388	0	%100
36	M37	Z	0	0	0	%100
37	M40	X	-3.316	-3.316	0	%100
38	M40	Z	0	0	0	%100 %100
39	M41	X	0	0	0	%100 %100
10	M41	Z	0	0	0	%100 %100
11	M45	X	-1.45	-1.45	0	
12	M45	Z	0	0	0	%100
43	M46A	X	-4.41	-4.41	0	%100 %100
14	M46A	Z	0	0	0	
45	M48	X	-4.589	-4.589	0	%100
46	M48	Z	0	0	0	%100
17	M50A	X	-1.45	-1.45	0	%100
48	M50A	Z	0	0	0	%100
49	M51C	X	0	0	0	%100 %100
50	M51C	Z	0	0	0	%100
51	M53	X	0	0	0	%100
52	M53	Z	0	0	0	%100
53	M58A	X	-1.187	-1.187	0	%100
54	M58A	Z	0	0	0	%100
55	M59A	X	-2.924	-2.924	0	%100
56	M59A	Z	0	0	0	%100
57	M60	X	-2.924	-2.924	0	%100
58	M60	Z	0	0	0	%100
59	M61	X	-4.388	-4.388	0	%100
60	M61	Z	0	0	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	0	0	0	%100
63	M65	X	-3.316	-3.316	0	%100 %400
64	M65	Z	0	0	0	%100
65	M69	X	-1.45	-1.45	0	%100
66	M69	Z	0	0	0	%100
67	M70	X	0	0	0	%100
68	M70	Z	0	0	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	0	0	0	%100
71	M74	X	-1.45	-1.45	0	%100
72	M74	Z	0	0	0	%100
73	M75	X	-4.41	-4.41	0	%100
74	M75	Z	0	0	0	%100
75	M77A	X	-4.589	-4.589	0	%100
76	M77A	Z	0	0	0	%100
77	MP2A	X	-4.023	-4.023	0	%100
78	MP2A	Z	0	0	0	%100

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

70 1	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
79	MP3A	X	-4.386	-4.386	0	%100
80	MP3A	Z	0	0	0	%100
81	MP4A	X	-4.023	-4.023	0	%100
82	MP4A	Z	0	0	0	%100
83	M81A	X	-3.767	-3.767	0	%100
84	M81A	Z	0	0	0	%100
85	MP1C	X	-4.023	-4.023	0	%100
86	MP1C	Z	0	0	0	%100
87	MP4C	X	-4.023	-4.023	0	%100
88	MP4C	Z	0	0	0	%100
89	M90	X	-3.767	-3.767	0	%100
90	M90	Z	0	0	0	%100
91	MP1B	X	-4.023	-4.023	Ö	%100 %100
92	MP1B	Z	0	0	Ö	%100
93	MP4B	X	-4.023	-4.023	0	%100
94	MP4B	Z	0	0	Ö	%100
95	M100	X	-3.226	-3.226	Ŏ	%100
96	M100	Z	0	0	0	%100
97	M102	X	0	0	Ö	%100 %100
98	M102	Z	0	0	0	%100
99	M107	X	-3.427	-3.427	Ö	%100
100	M107	Z	0	0	Ŏ	%100 %100
101	M112	X	-3.427	-3.427	Ö	%100 %100
102	M112	Z	0	0	0	%100
103	M123	X	-2.843	-2.843	ő	%100
104	M123	Z	0	0	Ö	%100
105	M124	X	-2.843	-2.843	0	%100 %100
106	M124	Z	0	0	Ö	%100 %100
107	M125	X	0	0	Ö	%100 %100
108	M125	Z	0	0	o o	%100 %100
109	M126	X	-5.712	-5.712	0	%100 %100
110	M126	Z	0	0	0	%100 %100
111	M127	X	-5.766	-5.766	0	%100 %100
112	M127	Z	0	0	0	%100 %100
113	M128	X	-5.766	-5.766	0	%100 %100
114	M128	Z	0	0.700	0	%100 %100
115	MP2C	X	-4.023	-4.023	0	%100
116	MP2C	Z	0	0	0	%100 %100
117	MP3C	X	-4.386	-4.386	0	%100 %100
118	MP3C	Ž	-4.560	-4.366	0	%100 %100
19	MP2B	X	-4.023	-4.023	0	%100 %100
20	MP2B	Z	-4.023	-4.023	0	%100 %100
121	MP3B	X	-4.386	-4.386	0	
122	MP3B	7	-4.366	-4.366	0	%100 %100

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

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	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft %]	End Location[ft,%]
1	LV	X	-1.087	-1.087	0	%100
2	LV	Z	628	628	0	%100
3	M4	X	-3.084	-3.084	0	%100
4	M4	Z	-1.78	-1.78	0	%100
5	M10	X	844	844	0	%100
6	M10	Z	487	487	0	%100
7	MP1A	X	-3.484	-3.484	0	%100
8	MP1A	Z	-2.012	-2.012	0	%100
9	M43	X	844	844	0	%100 %100

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

	Member Label	Direction		End Magnitude[lb/ft,F		End Location[ft.% %100
10	M43	Z	487	487	0	
11	M46	X	-1.267	-1.267	0	%100
12	M46	Z	731	731	0	%100
13	M51B	X	957	957	0	%100
14	M51B	Z	553	553	0	%100
15	M52B	X	-3.828	-3.828	0	%100
16	M52B	Z	-2.21	-2.21	0	%100
17	M76	X	-3.767	-3.767	0	%100
18	M76	Z	-2.175	-2.175	0	%100
19	M77	X	-1.273	-1.273	0	%100
20	M77	Z	735	735	0	%100
21	M80	X	-1.325	-1.325	0	%100
22	M80	Z	765	765	0	%100
	M84	X	-3.767	-3.767	0	%100
23		Z	-2.175	-2.175	0	%100
24	M84	X	-5.093	-5.093	0	%100
25	M85	Ž	-2.94	-2.94	0	%100
26	M85		-5.299	-5.299	0	%100
27	M91	Z	-3.059	-3.059	0	%100
28	M91		-3.084	-3.084	0	%100
29	M34	X	-1.78	-1.78	0	%100
30	M34	Z		844	0	%100
31	M35	X	844		0	%100 %100
32	M35	Z	487	487		%100 %100
33	M36	X	844	844	0	%100
34	M36	Z	487	487	0	
35	M37	X	-1.267	-1.267	0	%100
36	M37	Z	731	731	0	%100
37	M40	X	-3.828	-3.828	0	%100
38	M40	Z	-2.21	-2.21	0	%100
39	M41	X	957	957	00	%100
40	M41	Z	553	553	0	%100
41	M45	X	-3.767	-3.767	0	%100
42	M45	Z	-2.175	-2.175	0	%100
43	M46A	X	-5.093	-5.093	0	%100
44	M46A	Z	-2.94	-2.94	0	%100
45	M48	X	-5.299	-5.299	0	%100
46	M48	Z	-3.059	-3.059	0	%100
47	M50A	X	-3.767	-3.767	0	%100
	M50A	Z	-2.175	-2.175	0	%100
48		X	-1.273	-1.273	0	%100
49	M51C	Z	735	735	0	%100
50	M51C	X	-1.325	-1.325	0	%100
51	M53		765	765	0	%100
52	M53	Z	-,765	0	0	%100
53	M58A	X		0	0	%100
54	M58A	Z	0 2 276	-3.376	0	%100
55	M59A	X	-3.376	-3.376	0	%100
56	M59A	Z	-1.949		0	%100 %100
57	M60	X	-3.376	-3.376	0	%100
58	M60	Z	-1.949	-1.949		%100 %100
59	M61	X	-5.067	-5.067	0	
60	M61	Z	-2.925	-2.925	0	%100 %100
61	M64	X	957	957	0	%100
62	M64	Z	553	553	0	%100
63	M65	X	957	957	0	%100
64	M65	Z	553	553	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	0	0	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,%]
67	M70	X	-1.273	-1.273	0	%100
68	M70	Z	735	735	0	%100
69	M72	X	-1.325	-1.325	0	%100
70	M72	Z	765	765	0	%100
71	M74	X	0	0	0	%100
72	M74	Z	0	0	0	%100
73	M75	X	-1.273	-1.273	Ö	%100
74	M75	Z	735	735	Ö	%100
75	M77A	X	-1.325	-1.325	0	%100 %100
76	M77A	Z	765	765	Ŏ	%100 %100
77	MP2A	X	-3,484	-3.484	ŏ	%100 %100
78	MP2A	Z	-2.012	-2.012	Ŏ	%100
79	MP3A	X	-3.798	-3.798	0	%100
80	MP3A	Z	-2.193	-2.193	Ö	%100 %100
81	MP4A	X	-3.484	-3.484	Ö	%100 %100
82	MP4A	Z	-2.012	-2.012	0	%100 %100
83	M81A	X	-1.087	-1.087	0	%100 %100
84	M81A	Z	628	628	0	%100 %100
85	MP1C	X	-3.484	-3.484	0	%100 %100
86	MP1C	Z	-2.012	-3.464	0	%100 %100
87	MP4C	X	-3.484	-3.484	0	%100 %100
88	MP4C	Z	-2.012	-2.012		
89	M90	X	-4.35	-4.35	0	%100
90	M90	Ž	-2.511		0	%100
91	MP1B	X	-3.484	-2.511	0	%100
92	MP1B	Ž	-2.012	-3.484	0	%100
93	MP4B			-2.012	0	%100
94	MP4B	Z	-3.484	-3.484	0	%100
95	M100	X	-2.012	-2.012	0	%100
96	M100		-2.794	-2.794	0	%100
97	M102	Z	-1.613	-1.613	0	%100
98	M102	X	989	989	0	%100
99		Z	571	571	0	%100
100	M107 M107	X	989	989	0	%100
101	M112	Z	571	571	0	%100
		X	-3.958	-3.958	0	%100
102	M112	Z	-2.285	-2.285	0	%100
103	M123	X	821	821	0	%100
04	M123	Z	474	474	0	%100
05	M124	X	-3.283	-3.283	0	%100
06	M124	Z	-1.895	-1.895	0	%100
107	M125	X	821	821	0	%100
08	M125	Z	474	474	0	%100
09	M126	X	-4.962	-4.962	.0	%100
10	M126	Z	-2.865	-2.865	0	%100
11	M127	X	-4.962	-4.962	0	%100
12	M127	Z	-2.865	-2.865	0	%100
13	M128	X	-5.009	-5.009	0	%100
14	M128	Z	-2.892	-2.892	0	%100
15	MP2C	X	-3.484	-3.484	0	%100
16	MP2C	Z	-2.012	-2.012	0	%100
17	MP3C	X	-3.798	-3.798	Õ	%100
18	MP3C	Z	-2.193	-2.193	0	%100
19	MP2B	X	-3.484	-3.484	0	%100 %100
20	MP2B	Z	-2.012	-2.012	Ö	%100
21	MP3B	X	-3.798	-3.798	0	%100 %100
122	MP3B	Z	-2.193	-2.193	Ö	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F.	Start Location[ft,%]	End Location[ft.9
1	LV	X	-1.884	-1.884	0	%100
2	LV	Z	-3.262	-3.262	0	%100
3	M4	X	593	593	0	%100
4	M4	Z	-1.028	-1.028	0	%100
5	M10	X	-1.462	-1.462	0	%100
6	M10	Z	-2.532	-2.532	0	%100
7	MP1A	X	-2.012	-2.012	0	%100
8	MP1A	Z	-3.484	-3.484	0	%100
9	M43	X	-1.462	-1.462	0	%100
10	M43	Z	-2.532	-2.532	0	%100
11	M46	X	-2.194	-2.194	0	%100
12	M46	Z	-3.8	-3.8	0	%100 %100
13	M51B	X	0	0	0	%100 %100
14	M51B	Z	0	0	0	%100 %100
15	M52B	X	-1.658	-1.658	0	%100 %100
16	M52B	Z	-2.871	-2.871	0	%100 %100
17	M76	X	725	725	0	%100 %100
18	M76	Z	-1.256	-1.256	0	%100 %100
19	M77	X	0	0	0	%100
20	M77	Z	0	0	0	%100 %100
21	M80	X	0	0	0	%100 %100
22	M80	Z	0	0	0	%100 %100
23	M84	X	725	725	0	%100 %100
24	M84	Z	-1.256	-1.256	0	%100 %100
25	M85	X	-2.205	-2.205	0	%100 %100
26	M85	Z	-3.819	-3.819	0	%100 %100
27	M91	X	-2.295	-2.295	0	%100 %100
28	M91	Z	-3.974	-3.974		%100 %100
29	M34	X	-2.374	-2.374	0	%100 %100
30	M34	Z	-4.112	-4.112	0	%100 %100
31	M35	X	0	0	0	%100 %100
32	M35	Z	0	0	0	%100 %100
33	M36	X	0	0	0	%100
34	M36	Z	0	0	0	%100 %100
35	M37	X	0	0	0	%100 %100
36	M37	Z	0		0	%100 %100
37	M40	X	-1.658	-1.658 -2.871	0	%100 %100
38	M40	Z	-2.871		0	%100
39	M41	X	-1.658	-1.658	0	%100
40	M41	Z	-2.871	-2.871 -2.9	0	%100 %100
11	M45	X	-2.9	-5.023	0	%100 %100
12	M45		-5.023	-2.205	0	%100 %100
13	M46A	X	-2.205	-3.819	0	%100
14	M46A	Z	-3.819	-2.295	0	%100
45	M48	X	-2.295	-3.974	0	%100
16	M48	Z	-3.974		0	%100 %100
47	M50A	X	-2.9	-2.9 -5.023	0	%100
48	M50A	Z	-5.023	-5.023	0	%100 %100
49	M51C	X	-2.205		0	%100 %100
50	M51C	Z	-3.819	-3.819	0	%100
51	M53	X	-2.295	-2.295	0	%100
52	M53	Z	-3.974	-3.974	0	%100 %100
53	M58A	X	593	593	0	%100
54	M58A	Z	-1.028	-1.028	0	%100 %100
55	M59A	X	-1.462	-1.462 -2.532	0	%100 %100
56	M59A	Z	-2.532 -1.462	-2.53Z -1.462	0	%100 %100



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

58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93	M60 M61 M61 M64 M64 M65 M65 M69 M69 M70 M70 M72 M72 M72 M74 M74 M74 M75 M75 M77A M77A MP2A MP2A MP3A MP3A MP4A MP4A	Z X Z X Z X Z X Z X Z X Z X Z X Z X Z X Z X Z X Z X Z X Z X Z X Z X Z X Z X Z Z X Z X Z Z X Z Z Z X Z Z Z Z Z Z Z Z Z Z Z Z Z	-2.532 -2.194 -3.8 -1.658 -2.871 0 0725 -1.256 -2.205 -3.819 -2.295 -3.974725 -1.256 0 0 0 -2.012 -3.484	End Magnitude [lb/ft, F2.532 -2.194 -3.8 -1.658 -2.871 0 0725 -1.256 -2.205 -3.819 -2.295 -3.974725 -1.256 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	## End Location[ft,%] ## 100
60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92	M61 M64 M64 M65 M65 M69 M69 M70 M70 M72 M72 M74 M74 M74 M75 M75 M77A MP2A MP2A MP3A MP3A MP4A	Z X Z X Z X Z X Z X Z X Z X Z X Z X Z X	-3.8 -1.658 -2.871 0 0725 -1.256 -2.205 -3.819 -2.295 -3.974725 -1.256 0 0 0 -2.012 -3.484	-2.194 -3.8 -1.658 -2.871 0 0725 -1.256 -2.205 -3.819 -2.295 -3.974725 -1.256 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0	%100 %100 %100 %100 %100 %100 %100 %100
61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92	M64 M64 M65 M65 M69 M69 M70 M70 M72 M72 M74 M74 M75 M75 M75 M77A MP2A MP2A MP3A MP3A MP4A	X Z X Z X Z X Z X Z X Z X Z X Z X Z X Z	-1.658 -2.871 0 0725 -1.256 -2.205 -3.819 -2.295 -3.974725 -1.256 0 0 0 -2.012 -3.484	-1,658 -2,871 0 0 -,725 -1,256 -2,205 -3,819 -2,295 -3,974 -,725 -1,256 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	%100 %100 %100 %100 %100 %100 %100 %100
62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92	M64 M65 M69 M69 M70 M70 M72 M72 M74 M74 M75 M75 M75 M77A M77A MP2A MP2A MP3A MP3A MP4A	Z X Z X Z X Z X Z X Z X Z X Z X Z X Z X	-2,871 0 0 -,725 -1,256 -2,205 -3,819 -2,295 -3,974 -,725 -1,256 0 0 0 -2,012 -3,484	-2.871 0 0 725 -1.256 -2.205 -3.819 -2.295 -3.974 725 -1.256 0 0	0 0 0 0 0 0 0 0 0 0 0	%100 %100 %100 %100 %100 %100 %100 %100
63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92	M65 M69 M69 M70 M70 M72 M72 M74 M74 M75 M75 M75 M77A M77A MP2A MP2A MP3A MP3A MP4A	X Z X Z X Z X Z X Z X Z X Z X Z X Z X Z	0 0 725 -1.256 -2.205 -3.819 -2.295 -3.974 725 -1.256 0 0 0 -2.012 -3.484	0 0 725 -1.256 -2.205 -3.819 -2.295 -3.974 725 -1.256 0 0	0 0 0 0 0 0 0 0 0 0	%100 %100 %100 %100 %100 %100 %100 %100
64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92	M65 M69 M69 M70 M70 M72 M72 M74 M74 M75 M75 M75 M77A M77A MP2A MP2A MP3A MP3A MP4A	Z X Z X Z X Z X Z X Z X Z X Z X Z	0 725 -1.256 -2.205 -3.819 -2.295 -3.974 725 -1.256 0 0 0 -2.012	0 725 -1.256 -2.205 -3.819 -2.295 -3.974 725 -1.256 0 0	0 0 0 0 0 0 0 0 0	%100 %100 %100 %100 %100 %100 %100 %100
65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92	M69 M69 M70 M70 M72 M72 M74 M74 M75 M75 M77A M77A MP2A MP2A MP3A MP3A MP4A	X Z X Z X Z X Z X Z X Z X Z X Z	725 -1.256 -2.205 -3.819 -2.295 -3.974 725 -1.256 0 0 0 0 -2.012 -3.484	725 -1.256 -2.205 -3.819 -2.295 -3.974 725 -1.256 0 0	0 0 0 0 0 0 0 0	%100 %100 %100 %100 %100 %100 %100 %100
66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92	M69 M70 M70 M72 M72 M74 M74 M75 M75 M75 M77A M77A MP2A MP2A MP3A MP3A MP4A	Z X Z X Z X Z X Z X Z X Z X Z	-1.256 -2.205 -3.819 -2.295 -3.974725 -1.256 0 0 0 -2.012 -3.484	-1.256 -2.205 -3.819 -2.295 -3.974 725 -1.256 0 0 0	0 0 0 0 0 0 0 0	%100 %100 %100 %100 %100 %100 %100 %100
67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92	M70 M70 M72 M72 M74 M74 M75 M75 M77A M77A MP2A MP2A MP3A MP3A MP4A	X Z X Z X Z X Z X Z X Z X Z	-2.205 -3.819 -2.295 -3.974725 -1.256 0 0 0 -2.012 -3.484	-1.256 -2.205 -3.819 -2.295 -3.974 725 -1.256 0 0 0	0 0 0 0 0 0 0 0	%100 %100 %100 %100 %100 %100 %100 %100
68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92	M70 M72 M72 M74 M74 M75 M75 M77A M77A MP2A MP2A MP3A MP3A MP4A	Z X Z X Z X Z X Z X Z X Z	-3.819 -2.295 -3.974 725 -1.256 0 0 0 0 -2.012 -3.484	-3.819 -2.295 -3.974 725 -1.256 0 0	0 0 0 0 0 0 0	%100 %100 %100 %100 %100 %100 %100 %100
69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91	M72 M72 M74 M74 M75 M75 M77A M77A MP2A MP2A MP3A MP3A MP3A	X Z X Z X Z X Z X Z X Z	-2.295 -3.974 725 -1.256 0 0 0 0 -2.012 -3.484	-3.819 -2.295 -3.974 725 -1.256 0 0	0 0 0 0 0 0 0	%100 %100 %100 %100 %100 %100 %100 %100
70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91	M72 M74 M74 M75 M75 M77A M77A MP2A MP2A MP3A MP3A MP3A	Z X Z X Z X Z X Z X Z	-2.295 -3.974 725 -1.256 0 0 0 0 -2.012 -3.484	-2.295 -3.974 725 -1.256 0 0	0 0 0 0 0 0	%100 %100 %100 %100 %100 %100 %100
71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91	M74 M74 M75 M75 M77A M77A MP2A MP2A MP3A MP3A MP4A	X Z X Z X Z X Z X Z	725 -1.256 0 0 0 0 -2.012 -3.484	-3.974 725 -1.256 0 0 0	0 0 0 0 0	%100 %100 %100 %100 %100 %100
72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91	M74 M75 M75 M77A M77A MP2A MP2A MP3A MP3A MP4A	Z X Z X Z X Z X Z	-1.256 0 0 0 0 -2.012 -3.484	-,725 -1.256 0 0 0	0 0 0 0	%100 %100 %100 %100 %100
73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91	M75 M75 M77A M77A MP2A MP2A MP3A MP3A MP4A	X Z X Z X Z X Z	-1.256 0 0 0 0 -2.012 -3.484	-1.256 0 0 0 0	0 0 0	%100 %100 %100 %100
74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91	M75 M77A M77A MP2A MP2A MP3A MP3A MP4A	Z X Z X Z X Z	0 0 0 0 -2.012 -3.484	0 0 0	0 0 0	%100 %100 %100
75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91	M77A M77A MP2A MP2A MP3A MP3A MP4A	Z X Z X Z X Z	0 0 -2.012 -3.484	0	0	%100 %100
76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91	M77A MP2A MP2A MP3A MP3A MP4A	Z X Z X	0 0 -2.012 -3.484	0	0	%100
77 78 79 80 81 82 83 84 85 86 87 88 89 90 91	MP2A MP2A MP3A MP3A MP4A	X Z X Z	-2.012 -3.484	0		0/ 100
78 79 80 81 82 83 84 85 86 87 88 89 90 91	MP2A MP3A MP3A MP4A	Z X Z	-3.484			%100
79 80 81 82 83 84 85 86 87 88 89 90 91	MP3A MP3A MP4A	Z X Z	-3.484	-Z.U.Z	Ö	%100
80 81 82 83 84 85 86 87 88 89 90 91	MP3A MP4A	Z		-3.484	Ö	%100
81 82 83 84 85 86 87 88 89 90 91	MP4A	Z	-2.193	-2.193	Ö	%100
82 83 84 85 86 87 88 89 90 91	MP4A		-3.798	-3.798	Ö	%100 %100
83 84 85 86 87 88 89 90 91	MP4A	X	-2.012	-2.012	Ö	%100 %100
84 85 86 87 88 89 90 91		Z	-3.484	-3.484	Ö	%100
85 86 87 88 89 90 91	M81A	X	0	0	0	%100 %100
86 87 88 89 90 91	M81A	Z	0	Ö	Ö	%100 %100
87 88 89 90 91 92	MP1C	X	-2.012	-2.012	ő	%100 %100
87 88 89 90 91 92	MP1C	Z	-3.484	-3.484	0	%100
89 90 91 92	MP4C	X	-2.012	-2.012	0	%100 %100
90 91 92	MP4C	Z	-3.484	-3.484	ŏ	%100 %100
90 91 92	M90	X	-1.884	-1.884	0	%100 %100
92	M90	Z	-3.262	-3.262	ő	%100 %100
	MP1B	X	-2.012	-2.012	Ö	%100
02	MP1B	Z	-3.484	-3.484	Ö	%100 %100
1 32 1	MP4B	X	-2.012	-2.012	0	%100
94	MP4B	Z	-3.484	-3.484	0	%100 %100
95	M100	X	-1.613	-1.613	Ö	%100 %100
96	M100	Z	-2.794	-2.794	0	%100 %100
97	M102	X	-1.714	-1.714	0	%100 %100
98	M102	Z	-2.968	-2.968	Ö	%100
99	M107	X	0	0	Ö	%100 %100
100	M107	7	0	Ö	Ö	%100 %100
101	M112	X	-1.714	-1.714	0	%100
102	M112	Z	-2.968	-2.968	0	%100 %100
103	M123	X	0	0	0	%100 %100
104	M123	Z	0	0	0	%100 %100
105	M124	X	-1.421	-1.421	0	%100 %100
106	M124	Z	-2.462	-2.462	0	%100 %100
107	M125	X	-1.422	-1.422	0	%100 %100
108	M125	Z	-2.462	-2.462	0	
109	M126	X	-2.883	-2.883		%100
110	M126	Ž	-4.994	-2.883 -4.994	0	%100
111		X	-2.856		0	%100
112	M127	Ž	-4.947	-2.856	0	%100
113	M127 M127	X	-4.947	-4.947	0	%100
114	M127 M127 M128	Z	-2.883	-2.883 -4.994	0	%100 %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.%]
115	MP2C	X	-2.012	-2.012	0	%100
110	MP2C	7	-3.484	-3.484	0	%100
115 116 117	MP3C	X	-2.193	-2,193	0	%100
110	MP3C	7	-3.798	-3.798	0	%100
118	MP2B	X	-2.012	-2.012	0	%100
119 120	MP2B	7	-3.484	-3.484	0	%100
121	MP3B	X	-2.193	-2.193	0	%100
122	MP3B	7	-3.798	-3.798	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
1	LV	X	0	0	0	%100
2	LV	Z	892	892	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	785	785	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	62	62	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	785	785	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	-1.566	-1.566	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	217	217	0	%100
15	M52B	X	0	0	00	%100
16	M52B	Z	217	217	0	%100
17	M76	X	0	0	0	%100
18	M76	Z	.0	0	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	399	399	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	42	42	0	%100
23	M84	X	0	0	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	399	399	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	42	42	0	%100
29	M34	X	0	0	0	%100
30	M34	Z	-,696	696	0	%100
31	M35	X	0	0	0	%100
32	M35	Z	196	196	0	%100
33	M36	X	0	0	0	%100
34	M36	Z	196	196	0	%100
	M37	X	0	0	0	%100
35	M37	Z	-,392	392	0	%100
36	M40	X	0	0	0	%100
37		Z	217	217	0	%100
38	M40 M41	X	0	0	0	%100
39	M41	Ž	87	87	0	%100
40		X	0	0	0	%100
41	M45	Z	-1.175	-1.175	0	%100
42	M45	X	0	0	0	%100
43	M46A	Z	399	399	Ŏ	%100
44 45	M46A M48	X	355	0	Ö	%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
46	M48	Z	42	42	0	%100
47	M50A	X	0	0	0	%100
48	M50A	Z	-1.175	-1.175	0	%100
49	M51C	X	0	0	0	%100
50	M51C	Z	-1.595	-1.595	0	%100
51	M53	X	0	0	0	%100
52	M53	Z	-1.68	-1.68	0	%100
53	M58A	X	0	0	0	%100
54	M58A	Z	696	696	0	%100
55	M59A	X	0	0	0	%100
56	M59A	Z	196	196	0	%100
57	M60	X	0	0	0	%100
58	M60	Z	196	196	0	%100
59	M61	X	0	0	Ö	%100
60	M61	Z	392	392	0	%100
31	M64	X	0	0	Ö	%100
52	M64	Z	87	87	0	%100
33	M65	X	0	0	Ö	%100
34	M65	Z	217	217	Ö	%100
35	M69	X	0 -	0	0	%100
6	M69	Z	-1,175	-1.175	Ö	%100
7	M70	X	0	0	Ö	%100
8	M70	Z	-1.595	-1.595	Ŏ	%100
9	M72	X	0	0	Ŏ	%100
0	M72	Z	-1.68	-1.68	Ö	%100
1	M74	X	0	0	Ō	%100
2	M74	Z	-1.175	-1.175	ŏ	%100
3	M75	X	0	0	Ö	%100
4	M75	Z	399	399	Ŏ	%100
5	M77A	X	0	0	0	%100
6	M77A	Z	42	42	Ŏ	%100
7	MP2A	X	0	0	Ö	%100
8	MP2A	Z	62	62	ő	%100
'9	MP3A	X	0	0	0	%100 %100
80	MP3A	Z	75	75	ŏ	%100 %100
1	MP4A	X	0	0	0	%100 %100
32	MP4A	Z	62	62	Ö	%100
3	M81A	X	0	0	0	%100
4	M81A	Z	223	223	ŏ	%100
5	MP1C	X	0	0	0	%100
6	MP1C	Z	62	62	ŏ	%100
7	MP4C	X	0	0	0	%100
8	MP4C	Z	62	62	0	%100
9	M90	X	0	02	0	%100 %100
o l	M90	Z	223	223	0	%100 %100
1	MP1B	X	0	0	0	%100 %100
2	MP1B	Z	62	62	0	%100 %100
3	MP4B	X	0	02	0	%100 %100
4	MP4B	Z	62	62	0	%100 %100
5	M100	X	0	0	0	%100 %100
6	M100	Z	507	507	0	%100 %100
7	M102	X	507	507		
8	M102	Z	75	75	0	%100 %100
9	M107	X	75		0	%100
00	M107	Z	188	0	0	%100 %100
01	M112	X	188 0	188	0	%100
02	M112	Z	188	0 188	0	%100 %100

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

	Member Label	Direction	Start MagnitudeIlb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
103	M123	X	0	0	0	%100
104	M123	7	207	207	0	%100
105	M124	X	0	0	0	%100
106	M124	7	207	207	0	%100
107	M125	X	0	0	0	%100
108	M125	7	826	826	0	%100
109	M126	X	0	0	0	%100
110	M126	7	-1.506	-1.506	0	%100
111	M127	X	0	0	0	%100
112	M127	7	-1.314	-1.314	0	%100
113	M128	X	0	0	0	%100
114	M128	7	-1.314	-1.314	0	%100
115	MP2C	X	0	0	0	%100
116	MP2C	7	62	62	0	%100
117	MP3C	X	0	0	0	%100
118	MP3C	7	75	75	0	%100
119	MP2B	X	0	0	0	%100
	MP2B	7	62	62	0	%100
120	MP3B	X	0	0	0	%100
121	MP3B	7	75	75	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft.%]
1	LV	X	.334	.334	0	%100
2	ĹV	Z	579	579	0	%100
3	M4	X	.116	.116	0	%100
4	M4	Z	201	201	0	%100
5	M10	X	.294	.294	0	%100
6	M10	Z	51	51	0	%100
7	MP1A	X	.31	.31	0	%100
-	MP1A	Z	537	537	0	%100
8	M43	X	.294	.294	- 0	%100
9	M43	Z	51	51	0	%100
10		X	.587	.587	0	%100
11	M46	Ž	-1.017	-1.017	0	%100
12	M46	X	.326	.326	0	%100
13	M51B	Z	565	565	0	%100
14	M51B		303	0	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	.196	.196	0	%100
17	M76	X		339	0	%100
18	M76	Z	339	.598	0	%100
19	M77	X	.598		0	%100
20	M77	Z	-1.036	-1.036	0	%100
21	M80	X	.63	.63		%100 %100
22	M80	Z	-1.091	-1.091	0	%100 %100
23	M84	X	.196	.196	0	
24	M84	Z	339	339	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	0	0	0	%100
29	M34	X	.116	.116	0	%100
30	M34	Z	201	201	0	%100
31	M35	X	.294	.294	0	%100
32	M35	Z	51	51	0	%100
33	M36	X	.294	.294	0	%100

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

	Member Label	Direction	Start Magnitude(lb/ft	End Magnitude[lb/ft,F	Start Location(ft.%)	End Location[ft,%]
34	M36	Z	51	51	0	%100
35	M37	X	.587	.587	0	%100
36	M37	Z	-1.017	-1.017	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	0	0	0	%100
39	M41	X	.326	.326	0	%100
40	M41	Z	565	565	0	%100
41	M45	X	.196	.196	0	%100
42	M45	Z	339	339	Ŏ	%100
43	M46A	X	0	0	0	%100
44	M46A	Z	0	0	Ö	%100
45	M48	X	0	0	Ö	%100
46	M48	Z	0	0	ŏ	%100
47	M50A	X	.196	.196	Ö	%100 %100
48	M50A	Z	339	339	Ŏ	%100 %100
49	M51C	X	.598	.598	Ŏ	%100 %100
50	M51C	Z	-1.036	-1.036	Ŏ	%100 %100
51	M53	X	.63	.63	0	%100 %100
52	M53	Z	-1.091	-1.091	Ö	%100 %100
53	M58A	X	.464	.464	Ö	%100 %100
54	M58A	Ž	804	804	0	%100 %100
55	M59A	X	0	0	0	%100 %100
56	M59A	Ž	Ö	0	Ö	%100 %100
57	M60	X	0	0	0	%100 %100
58	M60	Ž	Ö	o o	Ö	%100 %100
59	M61	X	Ö	0	0	%100 %100
60	M61	Ž	Ŏ	0	0	%100 %100
61	M64	X	.326	.326	0	%100 %100
62	M64	Z	565	565	0	%100 %100
63	M65	X	.326	.326	0	%100 %100
64	M65	Z	565	565	0	%100 %100
65	M69	X	.783	.783	0	%100 %100
66	M69	Ž	-1.356	-1.356	0	%100 %100
67	M70	X	.598	.598	0	%100 %100
68	M70	Z	-1.036	-1.036	0	%100 %100
69	M72	X	.63	.63	0	%100 %100
70	M72	Ž	-1.091	-1.091	0	%100 %100
71	M74	X	.783	.783	0	%100 %100
72	M74	Ž	-1.356	-1.356	0	%100 %100
73	M75	X	.598	.598	0	%100 %100
74	M75	Z	-1.036	-1.036	0	%100 %100
75	M77A	X	.63	.63	0	%100 %100
76	M77A	Ž	-1.091	-1.091	0	%100 %100
77	MP2A	X	.31	.31	0	%100 %100
78	MP2A	Z	537	537	0	%100 %100
79	MP3A	X	.375	.375	0	%100 %100
80	MP3A	Ž	65	65	0	%100 %100
81	MP4A	X	.31	.31		
82	MP4A	Ž	537	537	0	%100 %100
83	M81A	X	.334	.334		%100 %100
84	M81A	Ž	579	579	0	%100 %100
85	MP1C	X			0	%100
86	MP1C	Z	.31	.31	0	%100
87	MP4C		537	537	0	%100
88	MP4C	X	.31	.31	0	%100
89	M90	Z	537	537	0	%100
90	M90	Z	0	0	0	%100
JU	UVIŞU		0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
91	MP1B	X	.31	.31	0	%100
92	MP1B	Z	537	537	0	%100
93	MP4B	X	.31	.31	0	%100
94	MP4B	Z	537	537	0	%100
95	M100	X	.253	.253	0	%100
96	M100	Ž	439	439	0	%100
	M102	X	.281	.281	0	%100
97	M102	Z	487	487	0	%100
98	M107	X	.281	.281	0	%100
99	M107	Z	487	487	0	%100
100		X	0	0	0	%100
101	M112 M112	Ž	Ö	0	0	%100
102	The state of the s	X	.31	.31	0	%100
103	M123	Ž	537	537	0	%100
104	M123	X	557	0	0	%100
105	M124	Z	0	0	0	%100
106	M124	X	.31	.31	0	%100
107	M125		537	537	0	%100
108	M125	Z	.721	.721	0	%100
109	M126	X		-1.249	0	%100
110	M126	Z	-1.249 .721	721	0	%100
111	M127	X		-1.249	0	%100
112	M127	Z	-1.249	.625	0	%100
113	M128	X	.625	-1.083	0	%100
114	M128	Z	-1.083		0	%100
115	MP2C	X	.31	.31	0	%100
116	MP2C	Z	537	537	0	%100 %100
117	MP3C	X	.375	.375	0	%100
118	MP3C	Z	65	65		%100 %100
119	MP2B	X	.31	.31	0	%100 %100
120	MP2B	Z	537	537	0	%100 %100
121	MP3B	X	.375	.375	0	%100 %100
122	MP3B	Z	65	65	0	100

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

	er Distributed Lo	Direction		End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
1	I V	X	.193	.193	0	%100
2	LV	Z	111	111	0	%100
	M4	X	.603	.603	0	%100
3	M4	7	348	348	0	%100
4	M10	X	.17	.17	0	%100
5	M10	7	098	098	0	%100
6		X	.537	.537	0	%100
-	MP1A	7	31	31	0	%100
8	MP1A	X	.17	.17	0	%100
9	M43	7	098	098	0	%100
10	M43	X	.339	.339	0	%100
11	M46	7	196	196	0	%100
12	M46		.753	.753	0	%100
13	M51B	X	-,435	435	0	%100
14	M51B	Z		.188	0	%100
15	M52B	X	.188	109	0	%100
16	M52B	Z	109	1.017	0	%100
17	M76	X	1.017		0	%100
18	M76	Z	587	587	0	%100 %100
19	M77	X	1.381	1.381		%100 %100
20	M77	Z	798	798	0	
21	M80	X	1.455	1.455	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,
22	M80	Z	84	84	0	%100
23	M84	X	1.017	1.017	0	%100
24	M84	Z	587	587	0	%100
25	M85	X	.345	.345	0	%100
26	M85	Z	199	199	0	%100
27	M91	X	.364	.364	0	%100
28	M91	Z	21	21	Ö	%100
29	M34	X	0	0	Ŏ	%100
30	M34	Z	0	0	0	%100
31	M35	X	.68	.68	0	%100
32	M35	Z	393	393	0	%100
33	M36	X	.68	.68	0	%100
34	M36	Z	393	393	0	%100
35	M37	X	1.356	1.356	0	%100
36	M37	Z	783	783	0	%100
37	M40	X	.188	.188	0	%100
38	M40	Z	109	109	0	%100
39	M41	X	.188	.188	0	%100
10	M41	Z	109	109	0	%100
11	M45	X	0	0	0	%100
2	M45	Z	0	0	0	%100
3	M46A	X	.345	.345	0	%100
4	M46A	Z	199	199	0	%100
.5	M48	X	.364	.364	0	%100
6	M48	Z	21	21	0	%100
7	M50A	X	0	0	0	%100
8	M50A	Z	0	0	0	%100
.9	M51C	X	.345	.345	0	%100
0	M51C	Z	199	- 199	Ō	%100 %100
1	M53	X	.364	.364	0	%100
2	M53	Z	21	21	0	%100
3	M58A	X	.603	.603	0	%100
4	M58A	Z	348	348	0	%100
5	M59A	X	.17	.17	0	%100
6	M59A	Z	098	098	0	%100
7	M60	X	.17	.17	0	%100
8	M60	Z	098	098	0	%100
9	M61	X	.339	.339	0	%100
0	M61	Z	196	196	0	%100
1	M64	X	.188	.188	0	%100
2	M64	Z	109	109	Ö	%100
3	M65	X	.753	.753	0	%100 %100
4	M65	Z	435	435	0	%100
5	M69	X	1.017	1.017	0	%100
6	M69	Z	587	587	0	%100 %100
7	M70	X	.345	.345	0	%100 %100
8	M70	Z	199	199	Ö	%100
9	M72	X	.364	.364	0	%100
0	M72	Z	21	21	Ö	%100
1	M74	X	1.017	1.017	0	%100 %100
2	M74	Z	587	587	0	%100 %100
3	M75	X	1.381	1.381	0	
4	M75	Z	798	798	0	%100 %100
5	M77A	X	1.455	1.455	0	%100
6	M77A	Z	84	84		%100
7	MP2A	X	.537	.537	0	%100
8	MP2A	Z	31	31	0	%100 %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
79	MP3A	X	.65	.65	0	%100 %100
80	MP3A	Z	375	375	0	%100
81	MP4A	X	.537	.537	0	%100
82	MP4A	Z	31	31		%100
83	M81A	X	.772	.772	0	%100 %100
84	M81A	Z	446	446	0	%100 %100
85	MP1C	X	.537	.537	0	
86	MP1C	Z	31	31	0	%100
87	MP4C	X	.537	.537	0	%100
88	MP4C	Z	31	31	0	%100
89	M90	X	.193	.193	0	%100
90	M90	Z	111	111	0	%100
91	MP1B	X	.537	.537	0	%100
92	MP1B	Z	31	31	0	%100
93	MP4B	X	.537	.537	0	%100
94	MP4B	Z	31	31	0	%100
95	M100	X	.439	.439	0	%100
96	M100	Z	253	253	0	%100
97	M102	X	.162	.162	0	%100
	M102	Z	094	094	0	%100
98	M107	X	.65	.65	0	%100
99	M107	Z	375	375	0	%100
100	M112	X	.162	.162	0	%100
101	M112	Z	094	094	0	%100
102		X	.716	.716	0	%100
103	M123	Z	-,413	413	0	%100
104	M123	X	.179	.179	0	%100
105	M124	Ž	103	103	0	%100
106	M124	X	.179	.179	0	%100
107	M125	Z	103	103	0	%100
108	M125	X	1.138	1.138	0	%100
109	M126	Ž	657	657	0	%100
110	M126		1.304	1.304	0	%100
111	M127	Z	753	753	0	%100
112	M127		1.138	1.138	0	%100
113	M128	X	657	657	Ö	%100
114	M128	Z	.537	.537	Ö	%100
115	MP2C	X		31	0	%100
116	MP2C	Z	31	.65	0	%100
117	MP3C	X	.65	375	0	%100
118	MP3C	Z	375		0	%100
119	MP2B	X	.537	.537	0	%100
120	MP2B	Z	31	31		%100
121	MP3B	X	.65	.65	0	%100 %100
122	MP3B	Z	375	375	0	70100

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

	Member Label	Direction		End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
4	INCITIDEI CAUCI	1 Y	0	0	0	%100
2	LV	7	0	0	0	%100
4	LV	Y	.928	.928	0	%100
3	M4	7	0	0	0	%100
4	M4		0	0	0	%100
5	M10	^	0	0	0	%100
6	M10		.62	.62	0	%100
7	MP1A	<u> </u>	.02	0	0	%100
8	MP1A		0	0	0	%100
9	M43	X	0		<u> </u>	73100

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

40.1	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
10	M43	Z	0	0	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	0	0	0	%100
13	M51B	X	.652	.652	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	.652	.652	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	1.566	1.566	0	%100
18	M76	Z	0	0	0	%100 %100
19	M 7 7	X	1.196	1.196	0	%100 %100
20	M77	7	0	0	0	%100 %100
21	M80	X	1.26	1.26	0	
22	M80	Z	0	0		%100
23	M84	X	1.566		0	%100
24	M84	Z	0	1.566	0	%100
25	M85	X		0	0	%100
26			1.196	1.196	00	%100
27	M85	Z	0	0	0	%100
	M91	X	1.26	1.26	0	%100
28	M91	Z	0	0	0	%100
29	M34	. X	.232	.232	0	%100
30	M34	Z	0	0	0	%100
31	M35	X	.589	.589	0	%100
32	M35	Z	0	0	0	%100
33	M36	X	.589	.589	0	%100 %100
34	M36	Z	0	0	Ö	%100 %100
35	M37	X	1,175	1,175	0	%100 %100
36	M37	Z	0	0	0	%100
37	M40	X	.652	.652		%100
38	M40	Z	0		0	%100
39	M41	X	0	0	0	%100
40	M41	Ž	0	0	0	%100
41	M45	X		0	0	%100
42	M45		.392	.392	0	%100
43	M46A	Z	0	0	0	%100
		X	1.196	1.196	0	%100
44	M46A	Z	0	0	0	%100
45	M48	X	1.26	1.26	0	%100
46	M48	Z	0	0	0	%100
47	M50A	X	.392	.392	0	%100
48	M50A	Z	0 0	0	0	%100
49	M51C	X	0	0	0	%100
50	M51C	Z	0	0	0	%100
51	M53	X	0	0	Ö	%100
52	M53	Z	Ö	Ö	0	%100 %100
53	M58A	X	.232	.232	0	%100 %100
54	M58A	Z	0	0	0	
55	M59A	X	.589	.589		%100 %100
56	M59A	Z	.369		0	%100
57	M60	X		0	0	%100
58	M60	Z	.589	.589	0	%100
59	M61		0	0	0	%100
60		X	1.175	1.175	0	%100
	M61	Z	0	0	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	0	0	0	%100
63	M65	X	.652	.652	0	%100
64	M65	Z	0	0	0	%100
65	M69	X	.392	.392	Ö	%100 %100
66	M69	Z	0	0	0	%100 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,	m (90 Deg)) (Co End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%
67	M70	X	0	0	0	%100
68	M70	Z	0	0	0	%100
39	M72	X	Q	0	0	%100
70	M72	Z	0	0	0	%100
71	M74	X	.392	.392	0	%100
72	M74	Z	0	0	0	%100
73	M75	X	1.196	1.196	0	%100
74	M75	Z	0	0	0	%100
75	M77A	X	1.26	1.26	0	%100
76	M77A	Z	0	0	0	%100
77	MP2A	X	.62	.62	0	%100
78	MP2A	Z	0	0	0	%100
79	MP3A	X	.75	.75	0	%100
30	MP3A	Z	0	0	0	%100
31	MP4A	X	.62	.62	0	%100
32	MP4A	Z	0	0	0	%100
33	M81A	X	.669	.669	0	%100
	M81A	Z	0	0	0	%100
34 35	MP1C	X	.62	.62	0	%100
	MP1C	Z	0	0	0	%100
36	MP4C	X	.62	.62	0	%100
37	MP4C	Z	0	0	0	%100
38	M90	X	.669	.669	0	%100
39	M90	Ž	0	0	0	%100
90	MP1B	X	.62	.62	0	%100
01		Ž	0	0	0	%100
92	MP1B	X	.62	.62	0	%100
93	MP4B	Z	0	0	0	%100
94	MP4B	X	.507	.507	0	%100
95	M100	Z	0	0	0	%100
96	M100	X	0	Ö	0	%100
97	M102	Ž	0	Ô	0	%100
98	M102		.563	.563	0	%100
99	M107	Z	0	0	0	%100
00	M107		.563	.563	0	%100
01	M112	X	0	0	Ö	%100
02	M112	Z	.62	.62	0	%100
03	M123	X	0	0	0	%100
04	M123	Z	.62	.62	0	%100
05	M124	X		0	0	%100
06	M124	Z	0	0	0	%100
07	M125	X	0	0	0	%100
08	M125	Z	0	1.25	0	%100
09	M126	X	1.25		0	%100
10	M126	Z	0	0	0	%100
11	M127	X	1.442	1.442	0	%100
12	M127	Z	0	0	0	%100
13	M128	X	1.442	1.442	0	%100
14	M128	Z	0	0	0	%100
15	MP2C	X	.62	.62	0	%100
16	MP2C	Z	0	0		%100 %100
17	MP3C	X	.75	.75	0	
18	MP3C	Z	0	0	0	%100
19	MP2B	X	.62	.62	0	%100
20	MP2B	Z	0	0	0	%100
121	MP3B	X	.75	.75	0	%100
122	MP3B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude(lb/ft	End Magnitude[lb/ft,F	Start Location(ft %)	End Location[ft,%]
1	LV	X	.193	.193	0	%100
2	LV	Z		.111	0	%100
3	M4	X	.603	.603	0	%100
4	M4	Z	.348	.348	0	%100
5	M10	X	.17	.17	0	%100
6	M10	Z	.098	.098	0	%100
7	MP1A	X	.537	.537	0	%100
8	MP1A	Z	.31	.31	0	%100
9	M43	X	.17	.17	0	%100
10	M43	Z	.098	.098	0	%100
11	M46	X	.339	.339	0	%100
12	M46	Z	.196	.196	0	%100
13	M51B	X	.188	.188	0	%100
14	M51B	Z	.109	.109	0	%100
15	M52B	X	.753	.753	0	%100
16	M52B	Z	.435	.435	0	%100
17	M76	X	1.017	1.017	0	%100
18	M76	Z	.587	.587	0	%100
19	M77	X	.345	.345	0	%100
20	M77	Z	.199	.199	0	%100
21	M8Ò	X	.364	.364	0	%100
22	M80	Z	.21	.21	0	%100
23	M84	X	1.017	1.017	0	%100
24	M84	Z	.587	.587	0	%100
25	M85	X	1.381	1.381	0	%100
26	M85	Z	.798	.798	0	%100
27	M91	X	1.455	1.455	0	%100
28	M91	Z	.84	.84	0	%100
29	M34	X	.603	.603	0	%100
30	M34	Z	.348	.348	0	%100
31	M35	X	.17	.17	0	%100
32	M35	Z	.098	.098	0	%100
33	M36	X	.17	.17	0	%100
34	M36	Z	.098	.098	0	%100
35	M37	X	.339	.339	0	%100
36	M37	Z	.196	.196	0	%100
37	M40	X	.753	.753	0	%100
38	M40	Z	.435	.435	0	%100
39	M41	X	.188	.188	0	%100
40	M41	Z	.109	.109	Ö	%100
41	M45	X	1.017	1.017	Ō	%100
42	M45	Z	.587	.587	0	%100
43	M46A	X	1.381	1.381	0	%100
44	M46A	Z	.798	.798	Ö	%100
45	M48	X	1.455	1.455	0	%100 %100
46	M48	Z	.84	.84	Ö	%100
47	M50A	X	1.017	1.017	0	%100 %100
48	M50A	Z	.587	.587	0	%100 %100
49	M51C	X	.345	.345	0	%100 %100
50	M51C	Z	.199	.199	0	%100 %100
51	M53	X	.364	.364	0	%100 %100
52	M53	Z	.21	.21	0	%100 %100
53	M58A	X	0	0	0	%100 %100
54	M58A	Z	0	0	0	%100 %100
55	M59A	X	.68	.68	0	%100 %100
56	M59A	Z	.393	.393	0	
57	M60	X	.68	.68	0	%100 %100

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

	Member Label	Direction	Start Magnitude[lb/ft	n (120 Deg)) (Co End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
58	M60	Z	.393	.393	0	%100
59	M61	X	1.356	1.356	0	%100
60	M61	Z	.783	.783	0	%100
61	M64	X	.188	.188	0	%100
62	M64	Z	.109	.109	0	%100
63	M65	X	.188	.188	0	%100
64	M65	Z	.109	.109	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	0	0	0	%100
67	M70	X	.345	.345	0	%100
68	M70	Z	.199	.199	0	%100
69	M72	X	.364	.364	0	%100
70	M72	Z	.21	.21	0	%100
71	M74	X	0	0	0	%100
72	M74	Z	0	0	0	%100
73	M75	X	.345	.345	0	%100
74	M75	Z	.199	.199	0	%100
75	M77A	X	.364	.364	0	%100
76	M77A	Z	.21	.21	0	%100
77	MP2A	X	.537	.537	0	%100
	MP2A	Z	.31	.31	0	%100
78 79	MP3A	X	.65	.65	0	%100
	MP3A	Z	.375	.375	0	%100
80	MP4A	X	.537	.537	0	%100
81	MP4A	Z	.31	.31	0	%100
82	M81A	X	.193	.193	0	%100
83	M81A	Z	.111	.111	0	%100
84		X	.537	.537	0	%100
85	MP1C MP1C	Z	.31	.31	0	%100
86		X	.537	.537	0	%100
87	MP4C	Z	.31	.31	0	%100
88	MP4C	X	.772	.772	0	%100
89	M90	Ž	.446	.446	0	%100
90	M90	X	.537	.537	0	%100
91	MP1B	Z	.31	.31	0	%100
92	MP1B	X	.537	.537	0	%100
93	MP4B	Ž	.31	.31	0	%100
94	MP4B	X	.439	.439	0	%100
95	M100	Ž	.253	.253	0	%100
96	M100		.162	.162	0	%100
97	M102	Z	.094	.094	0	%100
98	M102	X	.162	.162	0	%100
99	M107	Z	.094	.094	0	%100
100	M107		.65	.65	0	%100
101	M112	X	.375	.375	Ö	%100
102	M112	Z	.179	.179	Ö	%100
103	M123		.103	.103	0	%100
104	M123	Z	.716	.716	0	%100
105	M124	X	.413	.413	Ŏ	%100
106	M124	Z	.179	.413	0	%100
107	M125	X		.103	0	%100
108	M125	Z	.103	1.138	0	%100
109	M126	X	1.138	.657	0	%100 %100
110	M126	Z	.657	1.138	0	%100
111	M127	X	1.138	.657	0	%100 %100
112	M127	Z	.657		0	%100 %100
113	M128	Z	1.304 . 75 3	1.304 .753	0	%100 %100

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

	Member Label	Direction	Start MagnitudeIlb/ft	End Magnitude[lb/ft,F	Start Location[ft.%]	End Location[ft,%]
115	MP2C	X	.537	.537	0	%100
116	MP2C	Z	.31	.31	0	%100
117	MP3C	X	.65	.65	0	%100
118	MP3C	Z	.375	.375	0	%100
119	MP2B	X	.537	.537	0	%100
120	MP2B	Z	.31	.31	0	%100
121	MP3B	X	.65	.65	0	%100
122	MP3B	Z	.375	.375	0	%100

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

1	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F		End Location[ft,%]
0	LV	X	.334	.334	0	%100
2	LV	Z	.579	.579	0	%100
3	M4	X	.116	.116	0	%100
4	M4	Z	.201	.201	0	%100
5	M10	X	.294	.294	0	%100
6	M10	Z	.51	.51	0	%100
7	MP1A	X	.31	.31	0	%100
8	MP1A	Z	.537	.537	0	%100
9	M43	X	.294	.294	0	%100
10	M43	Z	.51	.51	0	%100
11	M46	X	.587	.587	0	%100
12	M46	Z	1.017	1.017	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	.326	.326	0	%100
16	M52B	Z	.565	.565	0	%100
17	M76	X	.196	.196	0	%100
18	M76	Z	.339	.339	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	.196	.196	0	%100
24	M84	Z	.339	.339	0	%100
25	M85	X	.598	.598	0	%100
26	M85	Z	1.036	1.036	0	%100
27	M91	X	.63	.63	0	%100
28	M91	Z	1.091	1.091	0	%100
29	M34	X	.464	.464	0	%100
30	M34	Z	.804	.804	0	%100
31	M35	X	0	- 0	0	%100
32	M35	Z	0	0	Ö	%100
33	M36	X	0	0	Ö	%100
34	M36	Z	0	0	Ŏ	%100
35	M37	X	0	0	0	%100
36	M37	Z	0	0	Ŏ	%100
37	M40	X	.326	.326	0	%100 %100
38	M40	Z	.565	.565	Ö	%100 %100
39	M41	X	.326	.326	0	%100 %100
40	M41	Z	.565	.565	0	%100
41	M45	X	.783	.783	0	%100 %100
42	M45	Z	1.356	1.356	0	%100 %100
43	M46A	X	.598	.598	0	%100 %100
44	M46A	Z	1.036	1.036	0	
45	M48	X	.63	.63	0	%100 %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,%
46	M48	Z	1.091	1.091	0	%100 %100
47	M50A	X	.783	.783	0	
48	M50A	Z	1.356	1.356	0	%100
49	M51C	X	.598	.598	0	%100
50	M51C	Z	1.036	1.036	0	%100
51	M53	X	.63	.63	0	%100
52	M53	Z	1.091	1.091	0	%100
53	M58A	X	.116	.116	0	%100
54	M58A	Z	.201	.201	0	%100
55	M59A	X	.294	.294	0	%100
56	M59A	Z	.51	.51	0	%100
57	M60	X	.294	.294	0	%100
58	M60	Z	.51	.51	0	%100
	M61	X	.587	.587	0	%100
59	M61	Z	1.017	1.017	0	%100
60	M64	X	.326	.326	0	%100
61		Ž	.565	.565	0	%100
62	M64	X	0	0	0	%100
63	M65	Z	Ů Ö	0	0	%100
64	M65		.196	.196	0	%100
65	M69	Z	.339	.339	0	%100
66	M69		.598	.598	0	%100
67	M70	X	1.036	1.036	Ŏ	%100
68	M70	Z	.63	.63	0	%100
69	M72	X		1.091	Ů Ů	%100
70	M72	Z	1.091	.196	0	%100
71	M74	X	.196	.339	0	%100
72	M74	Z	.339	.339	0	%100
73	M75	X	0		Ö	%100
74	M75	Z	0	0	0	%100
75	M77A	X	0	0	0	%100
76	M77A	Z	0	0	0	%100
77	MP2A	X	.31	.31	0	%100
78	MP2A	Z	.537	.537		%100
79	MP3A	X	.375	.375	0	%100
80	MP3A	Z	.65	.65	0	%100 %100
81	MP4A	X	.31	.31	0	%100
82	MP4A	Z	.537	.537	0	
83	M81A	X	0	0	0	%100
84	M81A	Z	0	0	0	%100
85	MP1C	X	.31	.31	0	<u>%100</u>
86	MP1C	Z	.537	.537	0	%100 %100
87	MP4C	X	.31	.31	0	%100
88	MP4C	Z	.537	.537	0	%100
89	M90	X	.334	.334	0	%100
90	M90	Z	.579	.579	0	%100
91	MP1B	X	.31	.31	0	%100
92	MP1B	Z	.537	.537	0	%100
93	MP4B	X	.31	.31	0	%100
94	MP4B	Z	.537	.537	0	%100
95	M100	X	.253	.253	0	%100
	M100	Ž	.439	.439	0	%100
96	M102	X	.281	.281	0	%100
97	M102	Z	.487	.487	0	%100
98	M107	X	0	0	0	%100
99		Z	0	0	0	%100
100	M107	X	.281	.281	0	%100
101	M112 M112	Ž	.487	.487	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,%]
103	M123	X	0	0	0	%100
104	M123	Z	0	0	0	%100
105	M124	X	.31	.31	0	%100
106	M124	Z	.537	.537	0	%100
107	M125	X	.31	.31	0	%100
108	M125	Z	.537	.537	0	%100 %100
109	M126	X	.721	.721	0	%100
110	M126	Z	1,249	1.249	0	%100
111	M127	X	.625	.625	0	%100 %100
112	M127	Z	1.083	1.083	0	%100
113	M128	X	.721	.721	0	%100 %100
114	M128	Z	1.249	1.249	0	%100
115	MP2C	X	.31	.31	0	%100
116	MP2C	Z	.537	.537	Ö	%100 %100
117	MP3C	X	.375	.375	0	%100 %100
118	MP3C	7	.65	.65	0	%100 %100
119	MP2B	X	.31	.31	0	%100 %100
120	MP2B	Z	.537	.537	0	%100 %100
121	MP3B	X	.375	.375	0	%100 %100
122	MP3B	Z	.65	.65	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	LV	X	0	0	0	%100
2	LV	Z	.892	.892	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	.785	.785	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	.62	.62	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	.785	.785	0	%100
11	M46	X	0	0	0	%100 %100
12	M46	Z	1.566	1.566	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	.217	.217	0	%100
15	M52B	X	0	0	0	%100 %100
16	M52B	Z	.217	.217	Ö	%100 %100
17	M76	X	0	0	0	%100 %100
18	M76	Z	0	Ŏ	O O	%100 %100
19	M77	X	0	0	0	%100
20	M77	Z	.399	.399	0	%100
21	M80	X	0	0	0	%100 %100
22	M80	Z	.42	.42	0	%100
23	M84	X	0	0	0	%100 %100
24	M84	Z	0	0	0	%100 %100
25	M85	X	0	0	0	%100 %100
26	M85	7	.399	.399	0	%100 %100
27	M91	X	0	0	0	%100 %100
28	M91	Z	.42	.42	0	%100 %100
29	M34	X	0	0	0	%100 %100
30	M34	Z	.696	.696	0	
31	M35	X	0.050	0.090	0	%100 %100
32	M35	Z	.196	.196	0	
33	M36	X	0	.196	0	%100 %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
34	M36	Z	.196	.196	0	%100 %100
35	M37	X	0	0	0	%100 %100
36	M37	Z	.392	.392	0	%100 %100
37	M40	X	0	0	0	%100 %100
38	M40	Z/	.217	.217		%100 %100
39	M41	X	0	0	0	%100 %100
40	M41	Z	.87	.87	0	%100 %100
41	M45	X	0	0	0	%100 %100
42	M45	Z	1.175	1.175		%100 %100
43	M46A	X	0	0	0	%100 %100
44	M46A	Z	.399	.399	0	%100 %100
45	M48	X	0	0		%100 %100
46	M48	Z	.42	.42	0	%100 %100
47	M50A	X	0	0	0	%100 %100
48	M50A	Z	1,175	1.175	0	%100 %100
49	M51C	X	0	0	0	%100 %100
50	M51C	Z	1.595	1.595	0	%100 %100
51	M53	X	0	0	0	%100 %100
52	M53	Z	1.68	1.68	0	%100 %100
53	M58A	X	0	0	0	%100 %100
54	M58A	Z	.696	.696	0	%100 %100
55	M59A	X	0	0	0	%100 %100
56	M59A	Z	.196	.196	0	%100 %100
57	M60	X	0	0	0	%100 %100
58	M60	Z	.196	.196	0	%100 %100
59	M61	X	0	0	0	%100 %100
60	M61	Z	.392	.392	0	%100 %100
61	M64	X	0	0	0	%100 %100
62	M64	Z	.87	.87	0	%100 %100
63	M65	X	0	0	0	%100 %100
64	M65	Z	.217	.217	0	
65	M69	X	0	0	0	%100
66	M69	Z	1.175	1.175	0	%100
67	M70	X	0	0	0	%100
68	M70	Z	1.595	1.595	0	%100
69	M72	X	0	0	0	%100 %100
70	M72	Z	1.68	1.68	0	%100
71	M74	X	0	0	0	%100
72	M74	Z	1.175	1.175	0	%100
73	M75	X	0	0	0	%100
74	M75	Z	.399	.399	0	%100
75	M77A	X	0	0	0	%100 %100
76	M77A	Z	.42	.42	0	%100 %100
77	MP2A	X	0	0	0	%100
78	MP2A	Z	.62	.62	0	%100
79	мРЗА	X	0	0	0	%100
80	MP3A	Z	.75	.75	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	.62	.62	0	%100
83	M81A	X	0	0	0	%100
84	M81A	Z	.223	.223	0	%100
85	MP1C	X	0	0	0	%100
86	MP1C	Z	.62	.62	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Ž	.62	.62	0	%100
89	M90	X	0	0	0	%100
90	M90	Z	.223	.223	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,%]
91	MP1B	X	0	0	0	%100
92	MP1B	Z	.62	.62	0	%100
93	MP4B	X	0	0	0	%100
94	MP4B	Z	.62	.62	0	%100
95	M100	X	0	0	0	%100
96	M100	Z	.507	.507	0	%100
97	M102	X	0	0	0	%100
98	M102	Z	.75	.75	0	%100
99	M107	X	0	0	0	%100
100	M107	Z	.188	.188	0	%100
101	M112	X	0	0	0	%100
102	M112	Z	.188	188	O S	%100
103	M123	X	0	0	0	%100
104	M123	Z	,207	.207	Ö	%100
105	M124	X	0	0	Ö	%100
106	M124	Z	.207	.207	Ŏ	%100
107	M125	X	0	0	Ö	%100
108	M125	Z	.826	.826	Ö	%100
109	M126	X	0	0	Ō	%100 %100
110	M126	Z	1.506	1.506	0	%100
111	M127	X	0	0	0	%100
112	M127	Z	1.314	1.314	Ō	%100
113	M128	X	0	0	Ö	%100
114	M128	Z	1.314	1.314	Ŏ	%100
115	MP2C	X	0	0	Ö	%100 %100
116	MP2C	7	.62	.62	Ö	%100 %100
117	MP3C	X	0	0	Ö	%100
118	MP3C	Z	.75	.75	0	%100 %100
119	MP2B	X	0	0	0	%100 %100
120	MP2B	Z	.62	.62	0	%100 %100
121	MP3B	X	0	0	0	%100 %100
122	MP3B	Z	.75	.75	0	%100 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft.%]	End Location[ft,%]
1	LV	X	334	334	0	%100
2	LV	Z	.579	.579	0	%100
3	M4	X	116	116	0	%100
4	M4	Z	.201	.201	0	%100
5	M10	X	294	294	0	%100
6	M10	Z	.51	.51	0	%100
7	MP1A	X	31	31	0	%100
8	MP1A	Z	.537	.537	0	%100
9	M43	X	294	294	0	%100
10	M43	Z	.51	.51	0	%100
11	M46	X	587	587	0	%100
12	M46	Z	1.017	1.017	0	%100
13	M51B	X	326	326	0	%100
14	M51B	Z	.565	.565	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	196	196	0	%100
18	M76	Z	.339	.339	0	%100
19	M77	X	598	598	0 -	%100
20	M77	Z	1.036	1.036	0	%100
21	M80	X	63	63	0	%100



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

	Member Label	Direction		.End Magnitude[lb/ft,F		End Location[ft,%]
22	M80	Z	1.091	1.091	0	%100
23	M84	X	196	196	0	%100
24	M84	Z	.339	.339	.0	%100
25	M85	X	0	0	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	0	0	0	%100
29	M34	X	116	116	0	%100
30	M34	Z	.201	.201	0	%100
31	M35	X	294	294	0	%100
32	M35	Z	.51	.51	0	%100
33	M36	X	294	294	0	%100
34	M36	Z	.51	.51	0	%100
35	M37	X	587	587	0	%100
36	M37	Z	1.017	1.017	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	0	0	0	%100
39	M41	X	326	326	0	%100
40	M41	Z	.565	.565	0	%100
41	M45	X	196	196	0	%100
42	M45	Z	.339	.339	0	%100
43	M46A	X	0	0	0	%100
44	M46A	Z	0	0	0	%100
45	M48	X	0	0	0	%100
46	M48	Z	0	0	0	%100
47	M50A	X	196	196	0	%100
48	M50A	Z	.339	.339	0	%100
49	M51C	X	598	598	0	%100
50	M51C	Z	1.036	1.036	0	%100
51	M53	X	63	63	0	%100
52	M53	Z	1.091	1.091	0	%100
53	M58A	X	464	464	0	%100
54	M58A	Ž	.804	.804	0	%100
55	M59A	X	0	0	0	%100
56	M59A	Z	0	0	0	%100
	M60	X	0	0	0	%100
57 58	M60	Z	0	0	0	%100
59	M61	X	0	0	0	%100
	M61	Z	0	0	0	%100
60	M64	X	326	326	0	%100
62	M64	Z	.565	.565	0	%100
	M65	X	326	326	0	%100
63		Z	.565	.565	0	%100
64	M65	X	783	783	0	%100
65	M69	Z	1.356	1.356	0	%100
66	M69	X	598	598	0	%100
67	M70	Z	1.036	1.036	0	%100
68	M70	X	63	63	0	%100
69	M72	Z	1.091	1.091	0	%100
70	M72	X	783	783	0	%100
71	M74	Z	1.356	1.356	0	%100
72	M74		598	598	0	%100
73	M75	Z	1.036	1.036	0	%100
74	M75		63	63	0	%100
75	M77A	X	1.091	1.091	0	%100
76	M77A	Z	31	31	0	%100
77	MP2A	X	.537	.537	0	%100
78	MP2A	Z	.557	.001		70.00



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

70	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
79	MP3A	X	375	375	0	%100
80	MP3A	Z	.65	.65	0	%100
81	MP4A	X	31	31	0	%100
82	MP4A	Z	.537	.537	0	%100
83	M81A	X	334	334	0	%100
84	M81A	Z	.579	.579	0	%100
85	MP1C	X	31	31	0	%100
86	MP1C	Z	.537	.537	0	%100
87	MP4C	X	31	31	0	%100
88	MP4C	Z	.537	.537	0	%100
89	M90	X	0	0	0	%100
90	M90	Z	0	0	0	%100
91	MP1B	X	31	31	0	%100
92	MP1B	Z	.537	.537	0	%100
93	MP4B	X	31	31	0	%100
94	MP4B	Z	.537	.537	0	%100
95	M100	X	253	253	0	%100
96	M100	Z	.439	.439	O O	%100
97	M102	X	281	281	Ö	%100 %100
98	M102	Z	.487	.487	Ö	%100 %100
99	M107	X	281	281	0	%100 %100
100	M107	Z	.487	.487	Ö	%100 %100
101	M112	X	0	0	0	%100 %100
102	M112	Z	0	Ö	0	%100 %100
103	M123	X	31	31	0	%100
104	M123	Z	.537	.537	Ö	%100
105	M124	X	0	0	0	%100 %100
106	M124	Z	0	0	0	%100 %100
107	M125	X	31	31	0	%100 %100
108	M125	Z	.537	.537	Ö	%100 %100
109	M126	X	721	721	0	%100 %100
110	M126	Z	1.249	1.249	0	%100 %100
111	M127	X	721	721	0	%100 %100
112	M127	Z	1.249	1.249	0	%100 %100
113	M128	X	625	625	0	%100 %100
114	M128	Z	1.083	1.083	0	%100 %100
115	MP2C	X	31	31	0	%100 %100
116	MP2C	Z	.537	.537	0	%100 %100
117	MP3C	X	375	375	0	%100 %100
118	MP3C	Z	.65	.65	0	%100 %100
119	MP2B	X	31	31	0	
120	MP2B	Ž	.537	.537	0	%100
121	MP3B	X	375	375		%100
122	MP3B	7	.65	375 .65	0	%100 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,,	End Magnitude[lb/ft,F	Start Location[ft.%]	End Location[ft.%]
1	LV	X	193	193	0	%100
2	LV	Z	111	.111	0	%100
3	M4	X	603	603	0	%100
4	M4	Z	.348	.348	0	%100
5	M10	X	17	17	0	%100
6	M10	Z	.098	.098	0	%100
7	MP1A	X	537	537	0	%100
8	MP1A	Z	.31	.31	0	%100
9	M43	X	17	17	0	%100



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

	Member Label	Direction		.End Magnitude[lb/ft,F		End Location[ft,%]
10	M43	Z	.098	.098	0	%100 %400
11	M46	X	339	339	0	%100
12	M46	Z	.196	.196	0	%100
13	M51B	X	753	753	0	%100
14	M51B	Z	.435	.435	0	%100
15	M52B	X	188	188	0	%100
16	M52B	Z	.109	.109	0	%100
17	M76	X	-1.017	-1.017	0	%100
18	M76	Z	.587	.587	0	%100
19	M77	X	-1.381	-1.381	0	%100
20	M77	Z	.798	.798	0	%100
21	M80	X	-1.455	-1.455	0	%100
22	M80	Z	.84	.84	0	%100
23	M84	X	-1.017	-1.017	0	%100
24	M84	Z	.587	.587	0	%100
25	M85	X	345	345	0	%100
26	M85	Z	.199	.199	0	%100
27	M91	X	364	364	0	%100
28	M91	Z	.21	.21	0	%100
29	M34	X	0	0	0	%100
30	M34	Z	0	0	0	%100
31	M35	X	68	68	0	%100
32	M35	Z	.393	.393	0	%100
	M36	X	68	68	0	%100
33	M36	Z	.393	.393	0	%100
34	M37	X	-1.356	-1.356	0	%100
35	M37	Ž	.783	.783	0	%100
36	M40	X	188	188	0	%100
37		Ž	.109	.109	0	%100
38	M40	X	188	188	0	%100
39	M41	Z	.109	.109	0	%100
40	M41	X	0	0	0	%100
41	M45	Z	0	0	0	%100
42	M45	X	345	345	0	%100
43	M46A		.199	.199	0	%100
44	M46A	Z X	364	364	0	%100
45	M48		.21	.21	0	%100
46	M48	Z	0	0	0	%100
47	M50A	X	0	0	0	%100
48	M50A	Z	345	345	0	%100
49	M51C	X	.199	.199	0	%100
50	M51C	Z	364	364	0	%100
51	M53	X	.21	.21	0	%100
52	M53	Z	603	603	0	%100
53	M58A	X			0	%100
54	M58A	Z	.348	.348	0	%100 %100
55	M59A	X	17		0	%100 %100
56	M59A	Z	.098	.098	0	%100 %100
57	M60	X	17	17	0	%100
58	M60	Z	.098	.098	0	%100 %100
59	M61	X	339	339		%100 %100
60	M61	Z	.196	.196	0	
61	M64	X	188	188	0	%100
62	M64	Z	.109	.109	0	%100
63	M65	X	753	753	0	%100
64	M65	Z	.435	.435	0	%100
65	M69	X	-1.017	-1.017	0	%100
66	M69	Z	.587	.587	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft.F.	Start Location[ft,%]	End Location[ft,%]
67	M70	X	345	345	0	%100
68	M70	Z	.199	.199	0	%100
69	M72	X	364	364	0	%100
70	M72	Z	.21	.21	0	%100
71	M74	X	-1.017	-1.017	0	%100
72	M74	Z	.587	.587	0	%100
73	M75	X	-1.381	-1.381	0	%100
74	M75	Z	.798	.798	0	%100
75	M77A	X	-1.455	-1.455	0	%100
76	M77A	Z	.84	.84	0	%100
77	MP2A	X	537	537	0	%100
78	MP2A	Z	.31	.31	0	%100
79	MP3A	X	65	65	0	%100
80	MP3A	Z	.375	.375	0	%100
81	MP4A	X	537	537	0	%100
82	MP4A	Z	.31	.31	0	%100
83	M81A	X	772	772	0	%100
84	M81A	Z	.446	.446	0	%100
85	MP1C	X	537	537	0	%100
86	MP1C	Z	.31	.31	0	%100
88	MP4C	X	537	537	0	%100
89	MP4C	Z	.31	.31	0	%100
90	M90 M90	X	193	193	00	%100
91	MP1B	Z	.111	.111	0	%100
92	MP1B	X	537	537	0	%100
93	MP4B	Z	.31	.31	0	%100
94	MP4B	X	537	537	0	%100
95	M100	Z	.31	.31	0	%100
96	M100	X	439	439	0	%100
97	M102	Z	.253	.253	0	%100
98	M102	Z	162	162	0	%100
99	M107	X	.094	.094	0	%100
100	M107	Ž	65	65	0	%100
101	M112	X	.375	.375	0	%100
102	M112	Ž	.094	-,162	0	%100
103	M123	X	716	.094	0	%100
104	M123	Z	.413	716 .413	0	%100
105	M124	X	179	179	0	%100
106	M124	Z	.103	.103	0	%100
107	M125	X	179	179	0	%100
108	M125	Z	.103	.103	0	%100
109	M126	X	-1.138	-1.138		%100 %100
110	M126	Z	.657	.657	0	%100 %100
111	M127	X	-1.304	-1.304		%100 %100
112	M127	Z	.753	.753	0	%100 %100
113	M128	X	-1.138	-1.138	0	
114	M128	Ž	.657	.657	0	%100 %100
115	MP2C	X	537	537	0	%100 %100
116	MP2C	Z	.31	.31	0	%100 %100
117	MP3C	X	65	65	0	%100 %100
118	MP3C	Z	.375	.375	0	%100 %100
119	MP2B		537	537	0	%100 %100
120	MP2B	X Z	.31	.31	0	%100 %100
121	MP3B	X	65	65	0	%100 %100
122	MP3B	Z	.375	.375	0	%100 %100

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

	Member Label	Direction		End Magnitude[lb/ft.F		End Location[ft,% %100
1	LV	X	0	0	0	%100 %100
2	LV	Z	0	0	0	%100 %100
3	M4	X	928	928	0	%100
4	M4	Z	0	0	0	%100 %100
5	M10	X	0	0	0	%100 %100
6	M10	Z	0		0	%100 %100
7	MP1A	X	62	62	0	%100 %100
8	MP1A	Z	0	0		%100 %100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100 %100
11	M46	X	0	0	0	%100 %100
12	M46	Z	0	0		%100
13	M51B	X	652	652	0	%100 %100
14	M51B	Z	0	0	0	%100 %100
15	M52B	X	652	652	0	%100 %100
16	M52B	Z	0	0	0	%100 %100
17	M76	X	-1.566	-1.566		%100 %100
18	M76	Z	0	0	0	%100 %100
19	M77	X	-1.196	-1.196	0	%100 %100
20	M77	Z	0	1.26	0	%100 %100
21	M80	X	-1.26	-1.26		%100 %100
22	M80	Z	0	0	0	%100 %100
23	M84	X	-1.566	-1.566	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	-1.196	-1.196	0	%100 %100
26	M85	Z	0	0	0	%100 %100
27	M91	X	-1.26	-1.26	0	%100 %100
28	M91	Z	0	0	0	%100 %100
29	M34	X	232	232	0	%100 %100
30	M34	Z	0	0	0	%100 %100
31	M35	X	589	589	0	%100 %100
32	M35	Z	0	0	0	%100 %100
33	M36	X	589	589	0	
34	M36	Z	0	0	0	%100 %100
35	M37	X	-1.175	-1.175	0	%100 %100
36	M37	Z	0	0	0	
37	M40	X	652	652	0	%100 %100
38	M40	Z	0	0	0	
39	M41	X	0	0	0	%100 %100
40	M41	Z	0	0	0	
41	M45	X	392	392	0	%100 %100
42	M45	Z	0	0	0	
43	M46A	X	-1.196	-1.196	0	%100
44	M46A	Z	0	0	0	%100 %100
45	M48	X	-1.26	-1.26	0	%100 %100
46	M48	Z	0	0	0	%100 %100
47	M50A	X	392	392	0	%100 %100
48	M50A	Z	0	0	0	%100 %100
49	M51C	X	0	0	0	%100
50	M51C	Z	0	0	0	%100
51	M53	X	0	0	0	%100
52	M53	Z	0	0	0	%100
53	M58A	X	232	232	0	%100
54	M58A	Z	0	0	0	%100
55	M59A	X	589	589	0	%100
56	M59A	Z	0	0	0	%100
57	M60	X	589	589	0	%100

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

	ember Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,9
58	M60	Z	0	0	0	%100
59	M61	X	-1.175	-1.175	0	%100
60	M61	Z	0	0	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	0	0	0	%100
63	M65	X	652	652	0	%100
64	M65	Z	0	0	0	%100
65	M69	X	392	392	0	%100
66	M69	Z	0	0	Ŏ	%100
67	M70	X	Ö	0	0	%100
68	M70	Z	Ö	0	0	%100 %100
39	M72	X	Ö	0	0	%100
70	M72	Z	Ŏ	0	Ö	%100
71	M74	X	392	392	0	%100
72	M74	Z	0	592	0	%100
73	M75	X	-1.196	-1.196	0	
74	M75	Z	0	0	0	%100
75	M77A	X	-1.26			%100
76	M77A	Ž		-1.26	0	%100
77	MP2A	X	0 62	62	0	%100
78	MP2A	Ž	62		0	%100
9	MP3A			0		%100
30	MP3A	Z	75	75	0	%100
31	MP4A		0	0	0	%100
		X	62	62	0	%100
32	MP4A	Z	0	0	0	%100
13	M81A	X	669	669	0	%100
34	M81A	Z	0	0	0	%100
35	MP1C	X	62	62	0	%100
36	MP1C	Z	0	0	0	%100
37	MP4C	X	62	62	0	%100
38	MP4C	Z	0	0	0	%100
39	M90	X	669	669	0	%100
90	M90	Z	0	0	0	%100
91	MP1B	X	62	62	0	%100
32	MP1B	Z	0	0	0	%100
)3	MP4B	X	62	62	0	%100
)4	MP4B	Z	0	0	0	%100
95	M100	X	507	507	0	%100
6	M100	Z	0	0	0	%100
7	M102	X	0	0	0	%100
8	M102	Z	0	0	0	%100
9	M107	X	563	563	0	%100
00	M107	Z	0	0	0	%100
01	M112	X	563	563	0	%100
02	M112	Z	0	0	- 0	%100
03	M123	X	62	62	0	%100
)4	M123	Z	0	0	0	%100
)5	M124	X	62	62	0	%100
06	M124	Z	0	0	0	%100
07	M125	X	0	0	0	%100
08	M125	Z	0	0	Ö	%100
)9	M126	X	-1.25	-1.25	0	%100 %100
10	M126	Z	0	0	0	%100
11	M127	X	-1.442	-1.442	0	%100 %100
12	M127	Z	0	0	0	%100
13	M128	X	-1.442	-1.442	0	%100 %100
14	M128	Z	0	-1.442	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.%]
115	MP2C	X	62	62	0	%100
115	MP2C	7	0	0	0	%100
116	MP3C	X	75	75	0	%100
117	MP3C	7	0	0	0	%100
118		Y	62	62	0	%100
119	MP2B	7	0	0	0	%100
120	MP2B	Y	75	75	0	%100
121	MP3B MP3B	7	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft	.End Magnitude[lb/ft,F.	Start Location[ft,%]	End Location[ft,%]
1	LV	X	193	193	0	%100
2	LV	Z	111	111	0	%100
3	M4	X	603	603	0	%100
4	M4	Z	348	348	0	%100
5	M10	X	17	17	0	%100
6	M10	Z	098	098	0	%100
7	MP1A	X	537	537	0	%100
8	MP1A	Z	31	31	0	%100
9	M43	X	17	17	0	%100
10	M43	Z	098	098	0	%100
11	M46	X	339	339	0	%100
12	M46	Z	196	196	0	%100
13	M51B	X	188	188	0	%100
14	M51B	Z	109	109	0	%100
15	M52B	X	753	753	0	%100
16	M52B	Z	435	435	0	%100
17	M76	X	-1.017	-1.017	0	%100
18	M76	Z	587	587	0	%100
19	M77	X	345	345	0	%100
20	M77	Z	199	199	0	%100
21	M80	X	364	364	0	%100
22	M80	Z	21	21	0	%100
23	M84	X	-1.017	-1.017	0	%100
24	M84	Ž	587	587	0	%100
25	M85	X	-1.381	-1.381	0	%100
26	M85	Z	798	798	0	%100
27	M91	X	-1.455	-1.455	0	%100
28	M91	Z	84	84	0	%100
	M34	X	603	603	0	%100
30	M34	Z	348	348	0	%100
	M35	X	17	17	0	%100
31	M35	Z	098	098	0	%100
33	M36	X	17	17	0	%100
34	M36	Z	098	098	0	%100
	M37	X	339	339	0	%100
35	M37	Z	196	196	0	%100
36	M40	X	753	753	0	%100
37		Z	435	435	0	%100
38	M40	X	188	188	0	%100
39	M41	Ž	109	109	0	%100
40	M41	X	-1.017	-1.017	0	%100
41	M45	Z	587	587	0	%100
42	M45	X	-1.381	-1.381	0	%100
43	M46A		798	798	0	%100
44	M46A M48	Z	-1.455	-1.455	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,%
46	M48	Z	84	84	0	%100
47	M50A	X	-1.017	-1.017	0	%100
48	M50A	Z	587	587	0	%100
49	M51C	X	345	345	0	%100
50	M51C	Z	199	199	0	%100
51	M53	X	364	364	0	%100
52	M53	Z	21	21	0	%100
53	M58A	X	0	0	0	%100
54	M58A	Z	0	0	0	%100
55	M59A	X	68	68	0	%100
56	M59A	Z	393	393	0	%100
57	M60	X	68	68	0	%100
58	M60	Z	393	393	0	%100
59	M61	X	-1.356	-1.356	0	%100
60	M61	Z	783	783	0	%100
61	M64	X	188	188	0	%100
62	M64	Z	109	109	0	%100
63	M65	X	188	188	0	%100
64	M65	Z	109	109	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	0	0	0	%100
67	M70	X	345	345	0	%100
68	M70	Z	199	199	0	%100
69	M72	X	- 364	364	0	%100
70	M72	Z	21	21	0	%100
71	M74	X	0	0	Ō	%100
72	M74	Z	0	0	0	%100
73	M75	X	345	345	0	%100
74	M75	Z	199	199	Ö	%100
75	M77A	X	364	364	0	%100
76	M77A	Z	21	21	Ö	%100
77	MP2A	X	537	537	0	%100
78	MP2A	2	31	31	Ö	%100
79	MP3A	X	65	65	0	%100
80	MP3A	Z	375	375	Ŏ	%100
81	MP4A	X	537	537	0	%100
82	MP4A	Z	31	31	Ö	%100
83	M81A	X	193	193	ő	%100
84	M81A	Z	111	111	Ō	%100
85	MP1C	X	537	537	Ö	%100 %100
86	MP1C	Z	31	31	ő	%100
87	MP4C	X	537	537	0	%100 %100
88	MP4C	Z	31	31	Ö	%100 %100
89	M90	X	772	772	0	%100
90	M90	Z	446	446	Ö	%100
91	MP1B	X	537	537	0	%100 %100
92	MP1B	Z	31	31	Ö	%100
93	MP4B	X	537	537	0	%100 %100
94	MP4B	Z	31	31	0	%100 %100
95	M100	X	439	439	0	%100 %100
96	M100	Z	253	253	0	%100 %100
97	M102	X	162	162	0	
98	M102	Z	094	094	0	%100 %100
99	M107	X	162	162	0	%100 %100
00	M107	Z	094	094	0	%100 %100
01	M112	X	65	65	0	%100 %100
02	M112	Z	375	375	0	%100 %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,%]
103	M123	X	179	179	0	%100
104	M123	7	103	103	0	%100
105	M124	X	716	716	0	%100
106	M124	7	413	413	0	%100
107	M125	Y	179	179	0	%100
	M125	7	103	103	0	%100
108	M126	X	-1,138	-1.138	0	%100
109	M126	Z	657	657	0	%100
110		X	-1.138	-1.138	0	%100
111	M127	Z	657	657	0	%100
112	M127	X	-1.304	-1.304	0	%100
113	M128	Ž	753	753	0	%100
114	M128	X	537	537	0	%100
115	MP2C	7	31	31	0	%100
116	MP2C		65	65	0	%100
117	MP3C	X		375	0	%100
118	MP3C	-	375	537	0	%100
119	MP2B	X	537		0	%100 %100
120	MP2B	Z	31	31	0	%100 %100
121	MP3B	<u> </u>	65	65	0	%100 %100
122	MP3B	Z	375	375	0	70100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft.%]
1	LV	X	334	334	0	%100
2	ĹV	Z	579	579	0	%100
3	M4	X	116	116	0	%100
4	M4	Z	201	201	0	%100
5	M10	X	294	294	0	%100
6	M10	Z	51	51	0	%100
7	MP1A	X	31	31	0	%100
8	MP1A	Z	537	537	0	%100
9	M43	X	294	294	0	%100
10	M43	Ž	51	51	0	%100
11	M46	X	587	587	0	%100
12	M46	Z	-1.017	-1.017	0	%100
13	M51B	X	0	0	0	%100
	M51B	Z	0	0	0	%100
14		X	326	326	0	%100
15	M52B	Z	565	565	0	%100
16	M52B	X	- 196	196	0	%100
17	M76	Ž	339	339	0	%100 %100 %100
18	M76	X	555	0	0	
19	M77	7	0	0	Ö	
20	M77	X	0	0	0	%100
21	08M	Z	0	0	0	%100
22	M80		196	196	0	%100
23	M84	X Z	339	339	Ö	%100
24	M84		598	598	0	%100
25	M85	Z	-1.036	-1.036	0	%100
26	M85		-1.036	63	0	%100
27	M91	X		-1.091	0	%100
28	M91	Z	-1.091	464	0	%100 %100
29	M34	X	464		0	%100
30	M34	Z	804	804	0	%100
31	M35	X	0	0	0	%100
32	M35	Z	0	0	0	%100 %100
33	M36	X	0	0	U U	76100

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,%
34	M36	Z	0	0	0	%100
35	M37	X	0	0	0	%100
36	M37	Z	0	0	0	%100
37	M40	X	326	326	0	%100
38	M40	Z	565	565	0	%100
39	M41	X	326	326	0	%100
40	M41	Z	565	565	0	%100
41	M45	X	783	783	0	%100
42	M45	Z	-1.356	-1.356	0	%100
43	M46A	X	598	598	0	%100
44	M46A	Z	-1.036	-1.036	0	%100
45	M48	X	-,63	63	0	%100
46	M48	Z	-1.091	-1.091	0	%100
47	M50A	X	783	783	0	%100
48	M50A	Z	-1.356	-1.356	0	%100
49	M51C	X	598	598	0	%100
50	M51C	Z	-1.036	-1.036	0	%100
51	M53	X	63	63	0	%100
52	M53	Z	-1.091	-1.091	0	%100
53	M58A	X	116	116	0	%100
54	M58A	Z	201	201	0	%100
55	M59A	X	294	294	Ō	%100
56	M59A	Z	51	51	Ö	%100
57	M60	X	294	294	0	%100
58	M60	Z	51	51	0	%100
59	M61	Х	587	587	0	%100
60	M61	Z	-1.017	-1.017	0	%100
61	M64	X	326	326	0	%100
62	M64	Z	565	565	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	0	0	0	%100
65	M69	X	196	196	0	%100
66	M69	Z	339	339	0	%100
67	M70	X	598	598	0	%100
68	M70	Z	-1.036	-1.036	0	%100
69	M72	X	63	63	0	%100
70	M72	Z	-1.091	-1.091	0	%100
71	M74	X	196	196	0	%100
72	M74	Z	339	339	0	%100
73	M75	X	0	0	0	%100
74	M75	Z	0	0	0	%100
75	M77A	X	0	0	Ō	%100
76	M77A	Z	Ö	0	ů .	%100 %100
77	MP2A	X	31	31	0	%100
78	MP2A	Z	537	537	Ö	%100
79	MP3A	X	375	375	0	%100
80	MP3A	Z	65	65	Ö	%100
81	MP4A	X	31	31	0	%100 %100
82	MP4A	Z	537	537	ŏ	%100
83	M81A	X	0	0	0	%100 %100
84	M81A	Z	Ö	0	0	%100 %100
85	MP1C	X	31	31	0	%100 %100
36	MP1C	Z	537	537	0	%100
87	MP4C	X	31	31	0	%100 %100
88	MP4C	Z	537	537	0	%100 %100
89	M90	X	334	334	0	%100 %100
90	M90	Ž	579	579	0	%100 %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,%]
91	MP1B	X	31	31	0	%100
92	MP1B	Z	537	537	0	%100
93	MP4B	X	31	31	0	%100
94	MP4B	Z	537	537	0	%100
95	M100	X	253	253	0	%100
96	M100	Z	439	439	0	%100
97	M102	X	281	281	0	%100
98	M102	Z	487	487	0	%100
99	M107	X	0	0	0	%100
100	M107	Z	0	0	0	%100
101	M112	X	281	281	0	%100
102	M112	Z	- 487	487	0	%100
103	M123	X	0	0	0	%100
104	M123	Z	0	0	0	%100
105	M124	X	31	31	0	%100
106	M124	Z	537	537	0	%100
107	M125	X	31	31	0	%100
108	M125	Z	537	537	0	%100
109	M126	X	721	721	0	%100
110	M126	Z	-1.249	-1.249	0	%100
111	M127	X	625	625	0	%100
112	M127	Z	-1.083	-1.083	0	%100
113	M128	X	721	721	0	%100
114	M128	Z	-1.249	-1.249	0	%100
115	MP2C	X	31	31	0	%100
	MP2C	Z	537	537	0	%100
116	MP3C	X	375	375	0	%100
117	MP3C	Z	65	65	0	%100
118	MP2B	X	31	31	0	%100
119	MP2B	Ž	537	537	0	%100
120		X	375	375	0	%100
121	MP3B MP3B	7	65	65	Ö	%100

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

	Member Label	Direction	Start MagnitudeIlb/ft.	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft.%]
1	M40	Υ	-1.879	-4.428	0	.832
2	M40	Y	-4.428	-7.042	.832	1.665
3	M40	Y	-7.042	-8.256	1.665	2.497
4	M40	Y	-8.256	-6.578	2.497	3.329
5	M40	Y	-6.578	-3.47	3.329	4.162
6	M41	Ý	-3.463	-6.545	0	.832
7	M41	Ý	-6.545	-8.189	.832	1.665
8	M41	Ý	-8.189	-6.9	1.665	2.497
9	M41	V	-6.9	-4.227	2.497	3.329
10	M41	V	-4.227	-1.665	3.329	4.162
11	M51B	Y	-1.884	-4.426	0	.832 1.665
12	M51B	Y	-4.426	-7.044	.832	
13	M51B	V	-7.044	-8.26	1.665	2.497
14	M51B	V	-8.26	-6.573	2.497	3.329
15	M51B	T v	-6.573	-3.462	3.329	4.162
16	M52B	V	-3,463	-6.545	0	.832
17	M52B	V	-6.545	-8.189	.832	1.665
18	M52B	V	-8.189	-6.902	1.665	2.497
19	M52B	V	-6.902	-4.228	2.497	3.329
	M52B	V	-4.228	-1.661	3.329	4.162
20	M64	Y	-1.664	-4.227	0	.832



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,%]
22	M64	Y	-4.227	-6.899	.832	1.665
23	M64	Y	-6.899	-8.187	1.665	2.497
24	M64	Y	-8.187	-6.544	2.497	3.329
25	M64	Y	-6.544	-3.463	3.329	4.162
26	M65	Y	-3.462	-6.572	0	.832
27	M65	Y	-6.572	-8.261	.832	1.665
28	M65	Υ	-8.261	-7.048	1.665	2.497
29	M65	Y	-7.048	-4.428	2,497	3,329
30	M65	Y	-4.428	-1.883	3.329	4.162

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

	Member Label	Direction	Start Magnitude[lb/ft,	. End Magnitude[lb/ft,F.,	. Start Location[ft,%]	End Location[ft,%]
1	M40	Y	-4.577	-10.785	0	.832
2	M40	Υ	-10.785	-17.15	.832	1.665
3	M40	Y	-17.15	-20.109	1.665	2.497
4	M40	Y	-20.109	-16.021	2,497	3.329
5	M40	Y	-16.021	-8.451	3.329	4.162
6	M41	Y	-8.434	-15.94	0	.832
7	M41	Y	-15.94	-19.944	.832	1.665
8	M41	Y	-19.944	-16.805	1.665	2.497
9	M41	Y	-16.805	-10.295	2,497	3.329
10	M41	Y	-10.295	-4.056	3.329	4.162
11	M51B	Y	-4.59	-10.78	0	.832 1.665
12	M51B	Υ	-10.78	-17.157	.832	
13	M51B	Y	-17.157	-20,119	1.665	2,497
14	M51B	Y	-20.119	-16.01	2.497	3.329 4.162 .832 1.665
15	M51B	Y	-16.01	-8.431	3.329	
16	M52B	Y	-8.435	-15.94	0	
17	M52B	Y	-15.94	-19.944	.832	
18	M52B	Y	-19.944	-16.81	1.665	2.497
19	M52B	Y	-16.81	-10.298	2.497	3.329
20	M52B	Υ	-10.298	-4.046	3.329	4.162
21	M64	Y	-4.052	-10.296	0	.832
22	M64	Y	-10.296	-16.804	.832	1.665
23	M64	Y	-16.804	-19.941	1.665	2.497
24	M64	Y	-19.941	-15.939	2.497	3.329
25	M64	Y	-15.939	-8,434	3.329	4.162
26	M65	Y	-8.433	-16.007	0	.832
27	M65	Y	-16.007	-20.12	.832	1.665
28	M65	Y	-20.12	-17,165	1.665	2.497
29	M65	Y	-17.165	-10.784	2.497	3.329
30	M65	Y	-10.784	-4.586	3.329	4.162

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	M40	Z	056	133	0	.832
2	M40	Z	133	211	.832	1.665
3	M40	Z	211	248	1.665	2.497
4	M40	Z	248	197	2.497	3.329
5	M40	Z	197	104	3.329	4.162
6	M41	Z	104	196	0	.832
7	M41	Z	196	246	.832	1.665
8	M41	Z	246	207	1.665	2.497
9	M41	Z	207	127	2.497	3.329
10	M41	Z	127	05	3.329	4.162
11	M51B	Z	057	133	0	.832



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,%]
12	M51B	7	- 133	211	.832	1.665
13	M51B	7	211	248	1.665	2.497
14	M51B	7	248	197	2,497	3.329
15	M51B	7	197	104	3.329	4.162
16	M52B	7	104	196	0	.832
17	M52B	7	196	- 246	.832	1.665
1.4	M52B	7	246	207	1.665	2.497
18	M52B	7	207	127	2.497	3.329
19	M52B	7	127	05	3.329	4.162
20		7	05	127	0	.832
21	M64	7	127	207	.832	1.665
22	M64	7	207	246	1.665	2.497
23	M64	7	246	196	2.497	3.329
24	M64	7	196	104	3.329	4.162
25	M64	7		197	0.025	.832
26	M65	7	104	248	.832	1.665
27	M65		197		1.665	2.497
28	M65	Z	248	211		3,329
29	M65	Z	211	133	2.497	
30	M65	Z	133	056	3.329	4.162

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	M40	X	.056	.133	0	.832
2	M40	X	.133	.211	.832	1.665
3	M40	X	.211	.248	1.665	2.497
4	M40	X	.248	.197	2.497	3.329
5	M40	X	.197	.104	3.329	4.162
6	M41	X	.104	.196	0	.832
7	M41	X	.196	.246	.832	1.665
8	M41	X	.246	.207	1.665	2.497
9	M41	X	.207	.127	2.497	3.329
10	M41	X	.127	.05	3.329	4.162
11	M51B	X	.057	.133	0	.832
12	M51B	X	.133	.211	.832	1.665
	M51B	X	.211	.248	1.665	2.497
13	M51B	X	.248	.197	2.497	3.329
	M51B	X	.197	.104	3.329	4.162
15	M52B	X	104	.196	0	.832
16 17	M52B	X	.196	.246	.832	1.665 2.497
	M52B	X	.246	.207	1.665	
18	M52B	X	207	.127	2.497	3.329
19		X	127	.05	3.329	4.162
20	M52B M64	X	.05	.127	0	.832
21		x	.127	.207	.832	1.665
22	M64	X	.207	.246	1.665	2.497
23	M64	X	.246	196	2.497	3.329
24	M64	X	.196	.104	3.329	4.162
25	M64	X	.104	.197	0	.832
26	M65		197	.248	.832	1.665
27	M65	X	.248	.211	1.665	2.497
28	M65		.211	.133	2.497	3.329
29 30	M65 M65	X	.133	.056	3.329	4.162



Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude(ksf)
1	N57	N81	N79	N56	Y	Two Way	005
2	N7	N6	N87C	N87B	Y	Two Way	005
3	N86	N110	N108	N85	Y	Two Way	005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N57	N81	N79	N56	Y	Two Wav	013
2	N7	N6	N87C	N87B	Y	Two Way	013
3	N86	N110	N108	N85	Y	Two Way	013

Member Area Loads (BLC 84 : Structure Ev)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N57	N81	N79	N56	Y	Two Way	0
2	N7	N6	N87C	N87B	Y	Two Way	0
3	N86	N110	N108	N85	Y	Two Way	0

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude(ksf)
1	N57	- N81	N79	N56	Z	Two Wav	000156
2	N7	N6	N87C	N87B	Z	Two Way	000156
3	N86	N110	N108	N85	Z	Two Wav	000156

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N57	N81	N79	N56	X	Two Wav	.000156
2	N7	N6	N87C	N87B	X	Two Way	.000156
3	N86	N110	N108	N85	X	Two Way	.000156

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N3	max	812.986	10	605.574	7	3625.024	1	.574	19	.995	4	.208	10
2		min	-778.712	4	-323.543	1	-2647.356	7	175	1	-1.021	10	3	16
3	N54	max	2991.335	9	532.933	3	1383.826	3	.259	7	.953	12	.212	10
4		min	-2183.211	3	-343.351	9	-1839.873	9	739	37	918	6	436	4
5	N83	max	2123.668	11	499.785	11	1138.044	12	.27	7	.982	8	.518	22
6		min	-3024.357	5	-330.009	5	-1660.775	6	463	37	963	2	341	28
7	N224	max	54.969	10	3105.03	13	141.33	7	0	75	0	4	0	10
8		min	-54.973	4	-304.164	7	-1899.248	13	0	1	0	10	0	4
9	N225	max	135.737	3	3100.387	21	948,158	21	0	6	0	12	0	12
10		min	-1642.256	21	-328.535	3	-78.339	3	0	12	0	6	0	6
11	N226A	max	1665.486	17	3142.806	17	961.519	17	0	8	0	8	0	8
12		min	-71.311	11	-210.783	11	-41.199	11	0	2	0	2	0	2
13	Totals:	max	4620.957	10	8932.214	14	4568.847	1						
14		min	-4620.963	4	2346.291	71	-4568.851	7						

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

	Member	Shape	Code Check	Loc[ft]	LC:	Shear	Loc[ft]	Dir	LC	phi*Pnc	phi*Pnt [.phi*Mn y	.phi*Mn z	.Cb	Ean
1	LV	PIPE 3.0	.107	4.948	10	.071	4.427					5.749			H1-1b
2	M4	HSS4X4X4	.135	2.972	13	.058	2.972	v	15	124657	139518	16.181	16.181	1	H1-1b
3	M10	HSS4X4X4	.155	2.375	13							16.181	16.181	1	H1-1b
4	MP1A	PIPE_2.0	.250	4.563	4	.108	4.5			20866.7		1.872		_	H1-1b

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

Enve	lope AIS	C 15th(36	<u>0-16): LRF</u>	D Steel	Co	<u>de Ch</u>	ecks	(0	0	ntınuea				
	Member	Shape	Code Check	Locifti	LC	Shear	Loc[ft]	Dir	LC	phi*Pnc	phi*Pnt [phi*Mn y	phi*Mn z	Cb Eqn
5	M43	HSS4X4X4	.161	0	13	.058	0	γ	14	136263	139518	16.181	16.181	1H1-1b
6	M46	PL3/8x6	.166	.516	11	.106	.516	V	15	36639.4	72900	.57	9.113	1H1-1b
7		L2x2x2	.177	0	2	.016	4.162			6739.676	15908.4	.403	.698	1 H2-1
-	M51B	L2x2x2	.190	4.162	12	.016	0	v	21	6739.676	15908.4	.403	.704	1 H2-1
8	M52B		.226	0	7	.138	0			70677.9	72900	.57	9.113	1H1-1b
9	M76	PL3/8x6	.255	.167	7	.285	0			71601.7	72900	.57		1H1-1b
10	M77	PL3/8x6	.068	.112	1	.184	0			72311.05		.57		1H1-1b
11	M80	PL3/8x6		0	3	.167	0	v		70677.9	72900	.57		1H1-1b
12	M84	PL3/8x6	.225	.167	7	.303	0			71601.7	72900	.57		1H1-1b
13	M85	PL3/8x6	.247	.112	2	.199	0	_		72311.05		.57		1H1-1b
14	<u>M91</u>	PL3/8x6	.059		21	.058	2.972			124657	139518	16.181		1H1-1b
15	M34	HSS4X4X4	.138	2.972			2.375			136263	139518	16.181		1H1-1b
16	M35	HSS4X4X4	.154	2.375	21	.051	0			136263	139518	16.181	16 181	1H1-1b
17	M36	HSS4X4X4	.158	0	21	.057	.516	_		36639.4	72900	.57		1H1-1b
18	M37	PL3/8x6	.172	.516	9	.106				6739.676		.403		1 H2-1
19	M40	L2x2x2	.178	0	10	.016	4.162			6739.676		.403		1 H2-1
20	M41	L2x2x2	.189	4.162	8	.016	0	-		70677.9	72900	.57	13.0	1H1-1b
21	M45	PL3/8x6	.226	0	9	.126	0						-	1H1-1b
22	M46A	PL3/8x6	.252	.167	3	.279	0	_	_	71601.7	72900	.57		2H1-1b
23	M48	PL3/8x6	.068	.112	3	.192	0	У	-	72311.05	72900	.57		1H1-1b
24	M50A	PL3/8x6	.224	0	5	.167	0	y		70677.9	72900	.57		
25	M51C	PL3/8x6	.260	.167	3	.297	0			71601.7	72900	.57		1H1-1b
26	M53	PL3/8x6	.061	.112	9	.202	0			72311.05		.57		1H1-1b
27	M58A	HSS4X4X4	.139	2.972	17	.071	2.972			124657	139518	16.181		1H1-1b
28	M59A	HSS4X4X4	.155	2.375	17	.051	2.375			136263	139518	16.181		1H1-1b
29	M60	HSS4X4X4	.164	0	16	.059	0			136263	139518	16.181		1H1-1b
30	M61	PL3/8x6	.167	.516	5	.127	.516			36639.4	72900	.57		1H1-1b
31	M64	L2x2x2	.172	0	6	.016	4.162			6739.676		.403	17.01	1 H2-1
32	M65	L2x2x2	.192	4.162	4	.016	0			6739.676		.403	.000	1 H2-1
33	M69	PL3/8x6	.225	0	11	.127	0	V	22	70677.9	72900	.57		1H1-1b
34	M70	PL3/8x6	.240	.167	111	.281	0			71601.7	72900	.57		1H1-1b
35	M72	PL3/8x6	.066	.112	5	.319	0			72311.05	72900	.57		1H1-1b
36	M74	PL3/8x6	.227	0	7	.161	0	V	12	70677.9	72900	.57		1H1-1b
37	M75	PL3/8x6	.242	.167	11	.309	0	v	17	71601.7	72900	.57		1H1-1b
	M77A	PL3/8x6	.058	.112	5	.208	0	v		72311.05	72900	.57	9.113	1H1-1b
38		PIPE 2.0	.302	4.563	4	.067	2.75	-	6	20866.7	32130	1.872	1.872	1H1-1b
39	MP2A	PIPE 2.5	.275	4.563	4	.056	4.563			37773.8	50715	3.596	3.596	1H1-1b
40	MP3A	PIPE 2.0	.226	4.563	4	.102	1.125	Г	7	20866.7	32130	1.872	1.872	1H1-1b
41	MP4A		.105	7.552	6	.074	8.073		3	28250.5	65205	5.749	5.749	3H1-1b
42	M81A	PIPE 3.0	.235	4.563	12	.111	3.875		3	20866.7	32130	1.872	1.872	1H1-1b
43	MP1C	PIPE 2.0	.233	4.563	6	.112	1.125		3	20866.7	32130	1.872		1H1-1b
44	MP4C	PIPE 2.0		7.552	2	.068	8.073			28250.5	65205	5.749	5.749	3. H1-1b
45	M90	PIPE 3.0	.110		8	100	4.563			20866.7	32130	1.872		1H1-1b
46	MP1B	PIPE 2.0		4.563	2	104	1.125		_	20866.7		1.872		1H1-1b
47	MP4B	PIPE 2.0	.236	4.563	10		2			28843.4	32130	1.872		2H1-1b
48	M100	PIPE 2.0	.079	1 042	_	.069	1.042			14558.7		3.596		2H1-1b
49	M102	PIPE 2.5	.151	1.042	4	.076	1.042			14558.7		3.596		2H1-1b
50	M107	PIPE 2.5	.150	11.458	6					14558.7	50715	3.596		2H1-1b
51	M112	PIPE 2.5	.162	11.458	2	.065	1.042	-	-	45638.1	46656	1.688		1 H2-1
52	M123	L3X3X4	.206	.998	8	.065	.863	-		45638.1		1.688		1 H2-1
53	M124	L3X3X4	.226	.998	3	.068	0			45638.1	46656	1.688		1 H2-1
54	M125	L3X3X4	.199	0	2	.063	0	Z	10	47/12 2		5.543		1 H1-1b*
55	M126	LL3x3x3x3		5.618	13		5.018	Z	١̈́̈́	47413.3	70632			1 H1-1b*
56	M127	LL3x3x3x3		5.618	21					47413.3	70632	5.543		1 H1-1b*
57	M128	LL3x3x3x3		5.618	17		5.618	Z		47413.3	70632	5.543		
58	MP2C	PIPE 2.0		4.563	6	.073	2.75			20866.7	32130	1.872		1H1-1b
59	MP3C	PIPE 2.5	.259	4.563	6	.053	4.625	_	-	37773.8		3.596		1H1-1b
60	MP2B	PIPE 2.0	.310	4.563	2	.071	4.563	-		20866.7		1.872		1H1-1b
61	MP3B	PIPE 2.5	.271	4.563	8	.053	4.625		111	37773.8	50715	3.596	3.090	1H1-1b
												-0-11		222 171

VzW SMART Tool[©] Vendor

Client:	Verizon Wireless	Date: 7/3/2023
Site Name:	ASHFORD WEST 2 CT	
MDG #:	5000247929	
Fuze ID #:	17123746	Page: 1

Version 1.01

I. Mount-to-Tower Connection Check

Custom Orientation Required

Tower Connection Bolt Checks

Bolt Orientation

Bolt Quantity per Reaction:

 d_x (in) (Delta X of typ. bolt config. sketch):

 $d_Y(in)$ (Delta Y of typ. bolt config. sketch):

Bolt Type:

Bolt Diameter (in):

Required Tensile Strength / bolt (kips):

Required Shear Strength / bolt (kips):

Tensile Capacity / bolt (kips):

Shear Capacity / bolt (kips):

Bolt Overall Utilization:

Tower Connection Baseplate Checks

Connecting Standoff Member Shape:

Weld Stiffener Configuration:

Plate Width, Dx (in):

Plate Height, D_y (in):

W1(in):

W2 (in):

Member Thickness (in):

Stiffener location a1 (in):

Stiffener location b₁ (in):

Stiffener location a₂ (in):

Stiffener location b2 (in):

Fy (ksi, plate):

Plate Thickness (in):

Length of Yield Line, Ly (in):

Bolt Eccentricity, e (in):

Mu (kip-in):

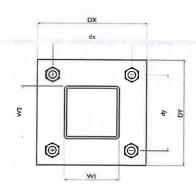
Phi*M_n (kip-in):

Plate Bending Utilization:

No	
HU	

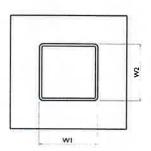
Yes

Parallel	
4	-3-
7	
7	- 1/4
A325N	
0.625	
1.3	
0.3	
20.7	
12.4	
6.3%	



7		Yes		

Rect Tube
No Stiffeners
10
10
4
Marine Search 4 and Legisland
0.25
TE SEE WE SEE ON THE
36
0.75
7.75
2.35
2.98
35.31
8.4%



VzW SMART Tool[©] Vendor

Client:	Verizon Wireless	Date:	7/3/2023
Site Name:	ASHFORD WEST 2 CT		
MDG #:	5000247929	- V	
Fuze ID #:	17123746	Page:	2
T GZC TD III.			ersion 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 (in³/in):

 Z_y (in³/in):

 J_p (in⁴/in):

c_x (in)

c_y (in)

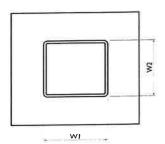
Required combined strength (kip/in):

Weld Capacity (kip/in):

Weld Utilization:

162		Y	es	
-----	--	---	----	--

Rectangle	- 4
None	
4	
4	
4	
16.00	
21.33	
21.33	
85.33	
2.25	
2.25	
0.49	
5.57	
8,8%	



ATTACHMENT 4



The Assessor's office is responsible for the maintenance of records on the ownership of properties. Assessments are computed at 70% of the estimated market value of real property at the time of the last revaluation which was 2016.



Ashford, Connecticut

Information on the Property Records for the Municipality of Ashford was last updated on 8/18/2021.

Parcel Information

4

Location:	92 KNOWLTON HILL RD	Property Use:	Vacant Land	Primary Use:	Residential Vacant Land
Unique ID:	00107200	Map Block Lot:	43 E 4 +	Acres:	99.30
490 Acres:	97.30	Zone:	₹2	Volume / Page:	0175/0539
Developers Map / Lot:	8.1,4	Census:	8301000		
		Value Information			Owner's Information
		Appraised Value	Assessed Value		Owner's Data
Land		204,600	79,560		KNOWLTON THOMAS E
: ;					317 SQUAW HOLLOW RD

	Appraised Value	Assessed Value	Owner's Data
Land	204,600	79,560	KNOWLTON THOMAS E
Buildings	0	0	317 SQUAW HOLLOW RD ASHFORD, CT 06278
Detached Outbuildings	182,300	127,600	
Total	386,900	207,160	

ATTACHMENT 5

Certificate of Mailing — Firm



larne and Address of Sender	TOTAL NO. of Pieces Listed by Sender TOTAL NO. of Pieces Received at Post Offi	Affix Stamp Here Postmark with Date of Receipt.
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	Postmaster, per (name of receiving employee)	neopost ³⁴ 07/27/2023 US POSTAGE \$003.192 ZIP 06103 041L12203937
USPS® Tracking Number Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage Special Handling Parcel Airlift
).	William Falletti, First Selectman City of Ashford 5 Town Hall Road Ashford, CT 06278 Michael D'Amato, ACIP, Zoning Officer City of Ashford 5 Town Hall Road Ashford, CT 06278 Thomas Knowlton 317 Squaw Hallow Road Ashford, CT 06278	USPS USPS
5.		