Robinson+Cole

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Also admitted in Massachusetts and New York

August 7, 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 5 (a.k.a. 7) Exeter Drive, Sterling, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains a wireless telecommunications facility at the above-referenced address (the "Property"). Cellco's facility consists of antennas and remote radio heads attached to a tower. Equipment associated with the facility is located on the ground adjacent to the tower. Cellco's facility was approved by the Siting Council ("Council") in February of 2008 (Docket No. 345). A copy of the Council's Docket No. 345 Decision and Order is included in Attachment 1.

Cellco's proposed modification involves the installation of four (4) interference mitigation filters ("Filters") on Cellco's 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 Sterling's Chief Elected Official and Land Use Officer. The Town of Sterling is the owner of the Property.

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

1. The proposed modifications will not result in an increase in the height of the existing tower. The Filters will be installed on Cellco's existing antenna platform and mounting assembly.

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Melanie A. Bachman, Esq. August 7, 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, antenna platform and mounting assembly can support Cellco's proposed modifications. A copy of the SA and MA are included in Attachment 3.

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

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

Sincerely,

Kenneth C. Baldwin

Kunie gmu

Enclosures Copy to:

Lincoln A. Cooper, First Selectman Melissa Gil, Zoning Enforcement Officer Kamoya Bautista, Verizon Wireless

ATTACHMENT 1

DOCKET NO. 345 - MCF Communications bg, Inc. and Cellco }
Partnership d/b/a Verizon Wireless application for a Certificate of Environmental Compatibility and Public Need for the } construction, maintenance and operation of a telecommunications facility located off Exeter Drive in Sterling, }
Connecticut.

Connecticut

Connecticut

February 14, 2008

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 MCF Communications bg, Inc. (MCF) and Cellco Partnership d/b/a Verizon Wireless (Verizon Wireless), hereinafter referred to as the Certificate Holder, for a telecommunications facility at Exeter Drive, Sterling, 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 Verizon Wireless and other entities, both public and private, but such tower shall not exceed a height of 140 feet above ground level. The height at the top of the Certificate Holder's antennas shall not exceed 140 feet above ground level.
- 2. Such tower shall incorporate a yield point to eliminate the potential fall radius onto the adjacent property and Exeter Drive.
- 3. 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 Sterling 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) a final site plan(s) of site development to include specifications for the tower, tower foundation, antennas, equipment compound, radio equipment, access road, utility line; and
 - b) construction plans for site clearing, grading, water drainage, and erosion and sedimentation controls consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended.
- 4. The Certificate Holder shall, prior to the commencement of operation, provide the Council worst-case modeling of the 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 the electromagnetic radio frequency power density be 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.

Docket No. 345 Draft Decision and Order Page 2

- 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.
- 6. 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.
- 7. The Certificate Holder shall provide reasonable space on the tower for no compensation for any Town of Sterling public safety services (police, fire and medical services), provided such use can be accommodated and is compatible with the structural integrity of the tower.
- 8. Unless otherwise approved by the Council, if the facility authorized herein is not fully constructed and providing wireless services within eighteen months from the date of the mailing of the Council's Findings of Fact, Opinion, and Decision and Order (collectively called "Final Decision"), 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. The time between the filing and resolution of any appeals of the Council's Final Decision shall not be counted in calculating this deadline.
- 9. Any request for extension of the time period referred to in Condition 8 shall be filed with the Council not later than 60 days prior to the expiration date of this Certificate and shall be served on all parties and intervenors, as listed in the service list, and the Town of Sterling. Any proposed modifications to this Decision and Order shall likewise be so served.
- 10. If the facility 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.
- 11. The Certificate Holder shall remove any nonfunctioning antenna, and associated antenna mounting equipment, within 60 days of the date the antenna ceased to function.
- 12. In accordance with Section 16-50j-77 of the Regulations of Connecticut State Agencies, the Certificate Holder shall provide the Council with written notice two weeks prior to the commencement of site construction activities. In addition, the Certificate Holder shall provide the Council with written notice of the completion of site construction and the commencement of site operation.

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 Norwich Bulletin and The Hartford Courant.

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

Docket No. 345 Draft Decision and Order Page 3

The parties and intervenors to this proceeding are:

Applicant

MCF Communications bg, Inc. and Cellco Partnership d/b/a Verizon Wireless

Its Representative

Kenneth C. Baldwin, Esq. Robinson and Cole LLP Hartford, CT 06103-3597 (860) 275-8200

Brad Gannon MCF Communications bg, Inc. 733 Turnpike Street, Suite 105 North Andover, MA 01845

Sandy Carter Regulatory Manager Verizon Wireless 99 East River Drive East Hartford, CT 06108

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 EQWALINK 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	nns	
Intermodulation products	-160dBc maximum in UL Band (assuming -153dBc maximum	20MHz Signal), with 2 x 43dBm carriers with 2 x 43dBm	
DC / AISG			
Passband	0 - 13	MHz	
Insertion loss	0.3dB ma	aximum	
Return loss	15dB minimum		
input voltage range	± 33V		
DC current rating	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	>1,000,000	0 hours	
Compliance	ETSI EN 300 019 class 4.1H, RoHS, NEBS GR-487-CORE		
MECHANICAL			
Dimensions H x D x W	269 x 277 x 80mm 10.60 x 10.90 x 3,15in (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	. ,	
Mounting	Optional pole/wall bracket supplied with two metal clamps 45	5-178mm diameter poles or custom bracket. See orderi	

Mounting

information:

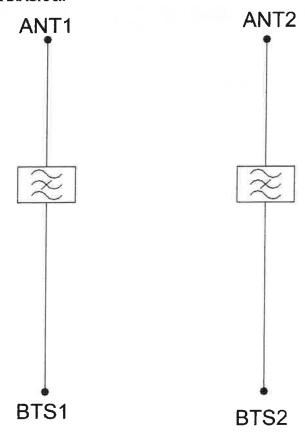


ORDERING INFORMATION

PARTNUMBER	CONFIGURATION	OPTIONAL FEATURES	CONNECTORS
BSF0020F3V1	TWIN, 2 in / 2 out	DC/AISG PASS NO BRACKET	4.3-10 (F)
B\$F0020F3V1-1	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)

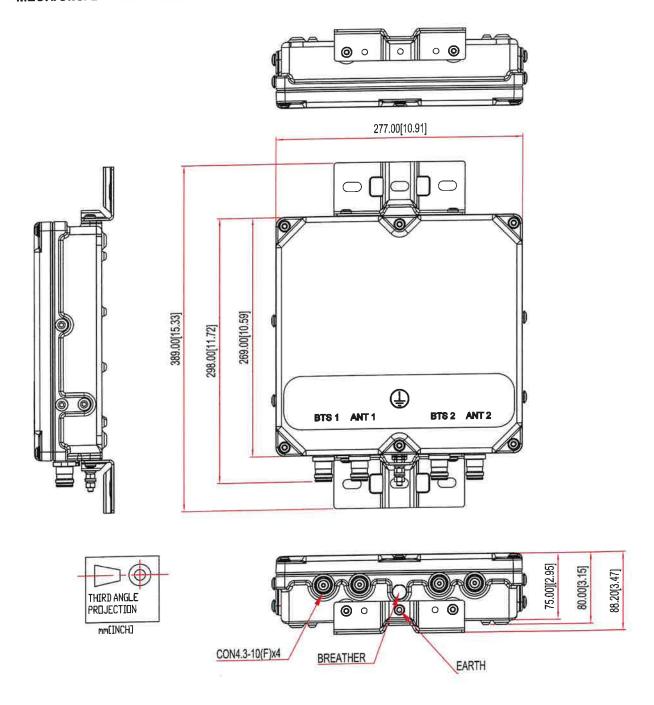


ELECTRICAL BLOCK DIAGRAM





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: 5000244753 / Sterling CT

Application #: 232432, v3

SBA Site ID / Name: CT11560-A / Sterling 6 CT

140 ft Monopole

7 Exeter Drive Sterling, Connecticut 06377 Lat: 41.714047, Long: -71.822736

Project number: CT11560-VZW-071023

Analysis Results

Tower	93.4%	Pass
Foundation	76.0%	Pass

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

Prepared by:

Mojdeh Sadeghzadeh

July 10, 2023



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Tower Geometry
Coax Layout
TESPole Report
Foundation Analysis Report



Introduction

The purpose of this report is to summarize the analysis results on the 140 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	Fred A. Nudd, Corp. Project No. 308-13078, Dated 03/17/2008.
Foundation drawings	Fred A. Nudd, Corp. Project No. 308-13078, Dated 03/17/2008.
Geotechnical report	Soil parameters obtained from Fred A. Nudd, Corp. Project No. 308-13078, Dated 03/17/2008.
Mount Analysis	Maser Consulting, Project No. 21777642A (Rev. 3), dated 11/09/2021.
Latest SA	TES, Project No.140520, dated 05/01/2023.

Analysis Criteria

Table 2 Code Related Data

Table 2 Code Related Data	
Jurisdiction (State/County/City)	Connecticut / Windham / Sterling
Governing Codes	ANSI/TIA/EIA 222-H, 2021 IBC, 2022 Connecticut State Building Code
Ultimate Wind Speed (3-Sec gust)	124.0 mph
Wind Speed with Ice (3-Sec gust)	50 mph
Service Wind Speed (3-Sec gust)	60 mph
Ice Thickness	1.00"
Risk Category	
Exposure Category	В
Topographic Category	1
Crest Height	0 ft
Ground Elevation	542.68 ft.
Seismic Parameter S _s	0.187
Seismic Parameter S ₁	0.054

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



Appurtenance Loading

Existing Loading:

Table 3 Existing Appurtenances

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
983	3 6		Antel BXA-70063-6CF-2 - Panel			
12			Andrew - JAHH-65B-R3B - Panel			
		3	Samsung - MT6407-77A - Panel	(1) Low Profile Platform w/Mods	(10) 1 5/8" (2) 1 5/8"	Verizon
270	137.0	3	Samsung B5/B13 RRH-BR04C			
		3	Samsung B2/B66A RRH-BR049		Hybrid	
:=::		3	Commscope CBC78T-DS-43-2X			
		1	Raycap OVP-12			
9		3	CCI - HPA-65R-BU8AA - Panel	(1) Modified		
10		3	CCI - DMP65R-BU8DA - Panel	Low Profile Platform		
11	6		Powerwave - 7770.00 - Panel	(Valmont LWRM) W/		
12	130.0 6	6	Powerwave LGP21901 - Diplexer	(1) SitePro1 HRK12 (Handrail Kit),	(12) 1 5/8" (2) 1" DC	AT& T
13		6	Powerwave LGP21401 - TMA			
14		1	Raycap-DC6-48-60-18-8F-OVP	(3) 2 1/2" standard (Pipe	Power	
15	6		Powerwave LGP17201 TMA	Masts) &	(1) 7/16" Fiber	
16		3	Ericsson RRUS 8843 B2 B66A	(3) SitePro1 SCX4-K		
17		3	Ericsson RRUS 4449 B5/B12	(Crossover Plate Kit)		
18		3	RFS APX16DWV-16DWVS-E-A20 - Panel			
19		3	RFS APXVAALL24-43-U-NA20 - Panel	(1) Platform w/	(3) 1.99"	
20	120.0	3	Ericsson AIR6449 B41 - Panel	Handrails & Kickers	Hybrid	T-Mobile
21	[3	Ericsson 4460 B25 + B66 - RRU	[SitePro1	6x24	
22		3	Ericsson 4480 B71 + B85 - RRU	RMQP-4096-HK]		
23		3	Commscope FFVV-65B-R2 - Panel	(-) (-)		
24	05.0	3	Fujitsu TA08025-B604 RRU	(1) Platform w/ Handrails		Dish
25	95.0	3	Fujitsu TA08025-B605 RRU	[Commscope	(1) 1.6" Hybrid	Wireless
26		1	Raycap RDIDC-9181-PF-48 OVP	MC-PK10-DSH]		

Note: AT&T loading includes FirstNET equipment



Proposed Loading:

Information pertaining to proposed antennas and transmission lines were based upon the Application #: 232432, v3 from Verizon and is listed in Table 4.

Table 4 Proposed Appurtenances

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
1		3	Antel BXA-70063-6CF-2 - Panel			
2		6	Andrew - JAHH-65B-R3B - Panel			
3		3	Samsung - MT6407-77A - Panel		(10) 1 5/8"	
4		3	Samsung B5/B13 RRH-BR04C	(1) Low Profile Platform	(2) 15/8"	Verizon
5	137.0	3	Samsung B2/B66A RRH-BR049	w/Mods	Hybrid	
6		3	Commscope CBC78T-DS-43-2X Diplexer		'	
7		1	Raycap OVP-12- OVP Box			
8	4		Kaelus BSF0020F3V1-1 Fiter			



Analysis Results

Tower

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

Table 5 Tower Analysis Summary

	Pole shafts	Anchor Bolts	Base Plate
Max. Usage:	51.6%	61.0%	93.4%
Pass/Fail	Pass	Pass	Pass

Foundation

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

Table 6 Foundation Analysis Summary

Structural Component	Max Usage (%)	Analysis Result	
Foundation	76.0%	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 25.0ft

Structure: CT11560-A

Site Name: Sterling 6 CT

140.00 (ft) 0.000 (ft) Base Elev:

Code:

EIA/TIA-222-H

Exposure: B

Load Case: 1.2D + 1.0W 124 mph Wind

Gh:

1.1

7/10/2023

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SBA 🕥

Dead Load Factor:

Height:

1.20

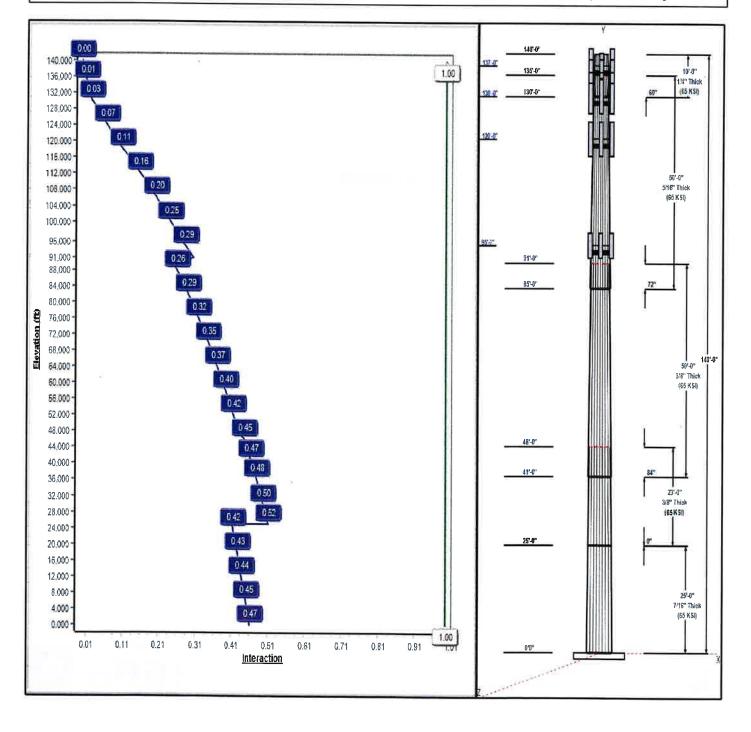
Wind Load Factor:

1.00

Iterations:

22

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Structure: CT11560-A

Type:

Tapered

Base Shape: 18 Sided

Site Name: Height:

Sterling 6 CT 140.00 (ft)

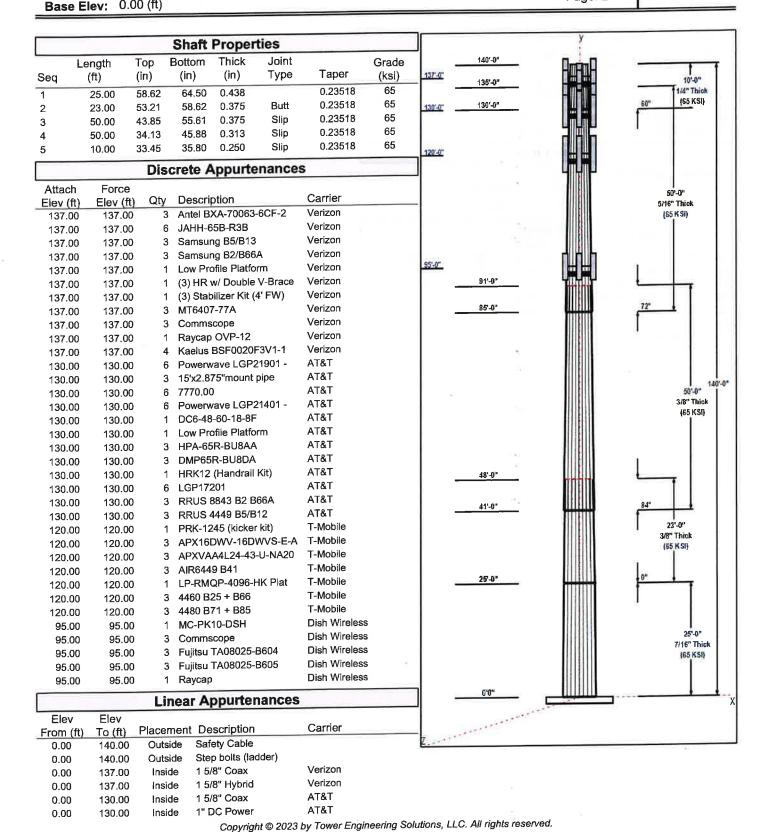
0.00(ft)

Taper: 0.23518

7/10/2023



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Structure: CT11560-A

Type:

Tapered

Site Name: Sterling 6 CT

Height:

0.00

140.00 (ft)

Base Elev: 0.00 (ft)

95.00

Base Shape: 18 Sided

Taper: 0.23518

7/10/2023

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SBA

0.00 130.00 Inside 7/16" Fiber AT&T 0.00 120.00 Inside 1.99" Hybrid 6x24

1.6" Hybrid

T-Mobile

Dish Wireless

Anchor	Bolts
Grado	

Inside

Qty Specifications (ksi) Arrangement 20 2.00" F1554 105 105.0 Radial

	B	ase	P	ate
--	---	-----	---	-----

Thickness (in)	Specifications (in)	Grade (ksi)	Geometry	
2.0000	77.0	F0.0		
2.0000	17.0	50.0	Round	

Re	actions		
Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.0W 124 mph Wind	3487.5	33.8	58.8
0.9D + 1.0W 124 mph Wind	3463.9	33.8	44.1
1.2D + 1.0Di + 1.0Wi 50 mph Wind	834.0	8.3	77.8
1.2D + 1.0Ev + 1.0Eh	146.2	1.2	60.8
0.9D + 1.0Ev + 1.0Eh	145.5	1.2	46.0
1.0D + 1.0W 60 mph Wind	727.4	7.1	49.0

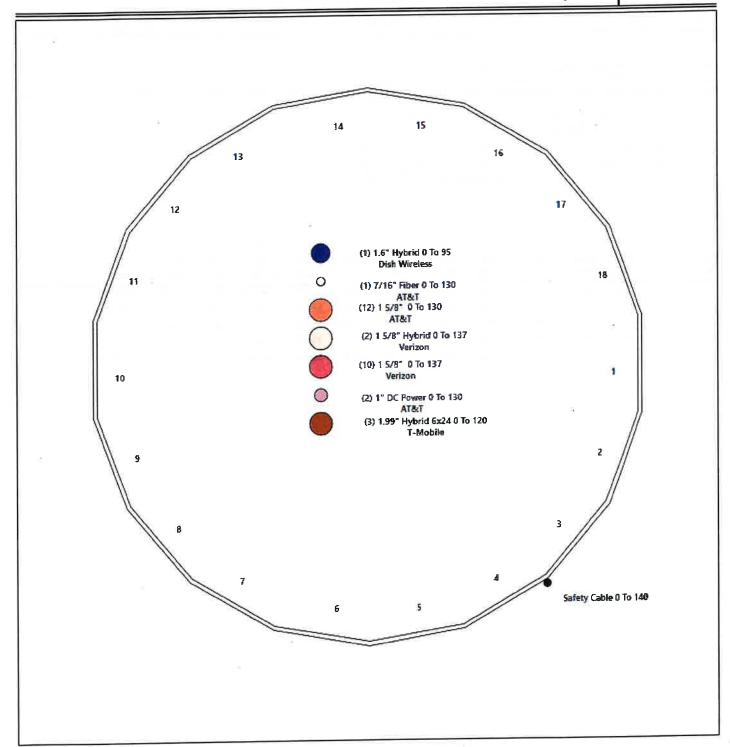
Structure: CT11560-A - Coax Line Placement

Type: Monopole

Site Name: Sterling 6 CT Height: 140.00 (ft) 7/10/2023

SBA 🕥

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Shaft Properties

Structure: CT11560-A

Site Name: Sterling 6 CT

Topography: 1

140.00 (ft)

Base Elev: 0.000 (ft)

Gh: 1.1

Height:

Code: TIA-222-H

Exposure: B **Crest Height:** 0.00

Site Class: D - Stiff Soil

Struct Class: ||

7/10/2023

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SBA 🕥

Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	18	25.000	0.4375	65		0.00	7,220
2	18	23.000	0.3750	65	Flange	0.00	5,174
3	18	50.000	0.3750	65	Slip	84.00	9,994
4	18	50.000	0.3125	65	Slip	72.00	6,698
5	18	10.000	0.2500	65	Slip	60.00	928
					Total Sha	ft Weight:	30,014

			Во	ottom					7	ор			
Sec. No.	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	64.50	0.00	88.96	46124.76	24.59	147.43	58.62	25.00	80.79	34555.0	22.22	133.9	0.235179
2	58.62	25.00	69.32	29714.17	26.15	156.32	53.21	48.00	62.89	22180.7	23.61	141.9	0.235179
3	55.61	41.00	65.74	25337.51	24.74	148.29	43.85	91.00	51.74	12355.4	19.21	116.9	0.235179
4	45.88	85.00	45.20	11860.36	24.48	146.83	34.13	135.00	33.54	4844.63	17.84	109.2	0.235179
5	35.80	130.0	28.21	4504.73	23.84	143.21	33.45	140.00	26.34	3668.59	22.18	133.8	0.235179

Load Summary

Structure: CT11560-A

Site Name: Sterling 6 CT

Topography: 1

Height:

140.00 (ft)

Base Elev: 0.000 (ft)

Gh: 1.1 Code:

TIA-222-H

В Exposure:

Crest Height: 0.00

Site Class: D - Stiff Soil

Struct Class: ||

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SBA

7/10/2023

Discrete Appurtenances

					No Ice			Ice			
No.	Elev (ft)	Description	Qty	Weight (lb)	CaAa (sf)	CaAa Factor	Weight (lb)	CaAa (sf)	CaAa Factor	Hor. Ecc. (ft)	Vert Ecc (ft)
_			3	17.00	7.57	0.77	128.25	8.377	0.79	0.00	0.00
1		Antel BXA-70063-6CF-2	6	80.20	12.81	0.83	271.76	13.850	0.84	0.00	0.00
2		JAHH-65B-R3B	3	70.30	1.88	0.77	102.11	2.240	0.79	0.00	0.00
3	137.00	Samsung B5/B13 RRH-BR04C Samsung B2/B66A RRH-BR049	3	84.40	1.88	0.83	117.95	2.240	0.83	0.00	0.00
4			1	1500.00	22.00	1.00	2364.73	33.668	1.00	0.00	0.00
5	137.00	Low Profile Platform	1	650.00	15.50	1.00	1189.59	26.223	1.00	0.00	0.00
6		(3) HR w/ Double V-Brace Kits	1	140.00	3.70	1.00	256.22	6.260	1.00	0.00	0.00
7		(3) Stabilizer Kit (4' FW)	3	87.10	4.70	0.70	161.21	5.296	0.71	0.00	0.00
8		MT6407-77A	3	10.40	0.37	0.88	17.69	0.542	0.90	0.00	0.00
9		Commscope CBC78T-DS-43-2X	1	32.00	4.06	0.88	107.35	4.599	0.89	0.00	0.00
10	137.00	Raycap OVP-12	4	17.60	0.96	0.65	33.03	1.222	0.69	0.00	0.00
11		Kaelus BSF0020F3V1-1 Fiter	6	31.00	1.67	0.67	59.49	3,426	0.67	0.00	0.00
12		Powerwave LGP21901 - Diplexer	3	87.00	4.31	1.00	174.81	7.849	1.00	0.00	0.00
13		15'x2.875"mount pipe	6	27.00	5.51	0.77	109.01	6.185	0.78	0.00	0.00
14		7770.00	6	17.50	0.82	0.71	31.40	1.078	0.75	0.00	0.00
15		Powerwave LGP21401 - TMA	1	32.80	3.70	0.80	95.93	4.196	0.81	0.00	0.00
16		DC6-48-60-18-8F	1	1500.00	22.00	1.00	2360.21	33.607	1.00	0.00	0.00
17		Low Profile Platform	3	54.00	11.23	0.86	218.40	12,329	0.86	0.00	0.00
18		HPA-65R-BU8AA	3	95.70	17.87	0.73	398.03	19.051	0.74	0.00	0.00
19		DMP65R-BU8DA	3 1	261.72	10.00	1.00	465.84	16.423	1.00	0.00	0.00
20		HRK12 (Handrail Kit)	6	10.00	1.67	0.67	35.87	2.009	0.67	0.00	0.00
21		LGP17201	3	72.00	1.64	0.91	103.51	1.976	0.92	0.00	0.00
22		RRUS 8843 B2 B66A	3	73.00	1.64	0.90	104.11	1.976	0.90	0.00	0.00
23		RRUS 4449 B5/B12	3 1	464.91	9.50	1.00	676.50	15.986	1.00	0.00	0.00
24		PRK-1245 (kicker kit)		404.91	6.46	0.67	133.80	7.166	0.69	0.00	0.00
25		APX16DWV-16DWVS-E-A20	3	122.80	20.24	0.72	376.59	21.465	0.72	0.00	0.00
26		APXVAA4L24-43-U-NA20	3	103.00	5.65	0.72	192.40	6.270	0.71	0.00	0.00
27		AIR6449 B41	3	2669.00	51.70	1.00	4491.08	76.641	1.00	0.00	0.00
28		LP-RMQP-4096-HK Plat	1	104.00	2.14	0.89	143.81	2.517	0.90	0.00	_ 0.00
29	120.00	4460 B25 + B66	3		2.14	0.09	132.70	2.822	0.77	0.00	0.00
30		4480 B71 + B85	3	93.00		1.00	2708.37	83.714	1.00	0.00	0.00
31		MC-PK10-DSH	1	1669.30	46.50	0.73	250.83	13.192	0.75	0.00	0.00
32	95.00	Commscope FFVV-65B-R2	3	70.80	12.27	0.73	96.15	2.317	0.73	0.00	0.00
33		Fujitsu TA08025-B604	3	63.90	1.96	0.67	108.31	2.317	0.67	0.00	0.00
34		Fujitsu TA08025-B605	3	75.00	1.96	1.00	55.81	2.372	1.00	0.00	0.00
35	95.00	Raycap RDIDC-9181-PF-48	1_	21.90	2.01	1.00	55.61	2.312	1.00	0.00	

Totals:

99

13,978.53

26,830.84

Linear Appurtenances

Bottom Elev. (ft)	Top Elev. (ft)	Description	Exposed Width	Exposed
0.00		(1) Safety Cable	0.38	Outside
0.00		(2) Step bolts (ladder)	0.63	Outside
0.00	137.00		0.00	Inside
0.00		(2) 1 5/8" Hybrid	0.00	Inside
0.00	130.00		0.00	Inside
0.00		` . '	0.00	Inside

Discrete Appurtenances

					No Ice			lce			
	lev ft)	Description	Qty	Weight (lb)	CaAa (sf)	CaAa Factor	Weight (lb)	CaAa (sf)	CaAa Factor	Hor. Ecc. (ft)	Vert Ecc (ft)
0.00	130.00	(1) 7/16" Fiber			0.00	Inside					
0.00	120.00	(3) 1.99" Hybrid 6x24			0.00	Inside					
0.00	95.00	(1) 1.6" Hybrid		0	0.00	Inside					

Shaft Section Properties

CT11560-A Structure:

Code:

TIA-222-H

7/10/2023

Site Name: Sterling 6 CT

Exposure: В

Height:

Gh:

140.00 (ft)

Crest Height: 0.00

SBA

Base Elev: 0.000 (ft)

Topography: 1 1.1

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

Page: 8

Increment Length:

2 (ft)

Elev			Thick	Dia	Area	lx	W/t	D/t	Fpy (to:)	S (i=42)	Weight
(ft)	Desc	cription	(in)	(in)	(in^2)	(in^4)	Ratio	Ratio		(in^3)	(lb) 0.0
0.00			0.4375	64.500	88.956	46124.8	24.59	147.43		1408.	603.2
2.00			0.4375	64.030	88.302	45116.2	24.40	146.35		1387.	598.7
4.00			0.4375	63.559	87.649	44122.5	24.21	145.28		1367.	594.3
6.00			0.4375	63.089	86.996	43143.5	24.02	144.20		1346.	
8.00			0.4375	62.619	86.343		23.83	143.13		1326.	589.8
10.00			0.4375	62.148		41229.1	23.64	142.05		1306.	585.4
12.00			0.4375	61.678	85.037	40293.6	23.45	140.98		1286.	580.9
14.00			0.4375	61.208	84.384	39372.2	23.26	139.90		1267.	576.5 572.1
16.00			0.4375	60.737	83.731	38465.1	23.07	138.83		1247.	567.6
18.00			0.4375	60.267	83.077	37572.0	22.88	137.75		1227.	
20.00			0.4375	59.796	82.424	36692.8	22.69	136.68		1208.	563.2
22.00			0.4375	59.326	81.771	35827.4	22.50	135.60		1189.	558.7
24.00			0.4375	58.856		34975.8	22.31	134.53		1170.	554.3
25.00	Top - Section 1		0.4375	58.621		34555.1	22.22	133.99		1161.	275.5
25.00	Bot - Section 2		0.3750	58.621	69.324	29714.2	25.92	156.32		998.4	005.4
26.00			0.3750	58.385	69.044	29355.7	26.04	155.69		990.3	235.4
28.00			0.3750	57.915	68.485	28647.4	25.82	154.44		974.3	468.0
30.00			0.3750	57.445	67.925		25.60	153.19		958.3	464.2
32.00			0.3750	56.974	67.365	27265.2	25.38	151.93		942.6	460.4
34.00			0.3750	56.504	66.805	26591.1	25.16	150.68		926.9	456.6
36.00			0.3750	56.034	66.245	25928.2	24.94	149.42		911.4	452.7
38.00		1:	0.3750	55.563	65.685	25276.4	24.72	148.17		896.0	448.9
40.00			0.3750	55.093	65.126	24635.6	24.49	146.91	72.6	880.7	445.1
41.00	Bot - Section 3		0.3750	54.858	64.846	24319.3	24.38	146.29		873.2	221.1
42.00	Dot - Occitori o		0.3750	54.623	64.566	24005.7	24.27	145.66	72.9	865.6	443.4
44.00			0.3750	54.152	64.006	23386.7	24.05	144.41	73.1		881.1
46.00			0.3750	53.682	63.446	22778.4	23.83	143.15	73.4	835.8	873.5
48.00	Top - Section 2		0.3750	53.961	63.779	23138.8	23.96	143.90	0.0	0.0	865.8
50.00	rop - decaon z		0.3750	53.491	63.219	22534.8	23.74	142.64	73.5	829.8	432.1
52.00			0.3750	53.021	62.659	21941.4	23.52	141.39	73.7	815.1	428.3
54.00			0.3750	52.550	62.099	21358.6	23.30	140.13	74.0	800.5	424.5
56.00			0.3750	52.080	61,540	20786.1	23.08	138.88	74.3	786.1	420.7
58.00			0.3750	51.610	60.980	20224.0	22.86	137.63	74.5	771.8	416.9
			0.3750	51.139	60.420	19672.1	22.64	136.37	74.8	757.7	413.1
60.00			0.3750	50.669	59.860	19130.3	22.41	135.12	75.0	743.6	409.3
62.00			0.3750	50.199	59.300	18598.6	22.19	133.86	75.3	729.7	405.5
64.00			0.3750	49.728	58.741	18076.8	21.97	132.61	75.6	716.0	401.7
66.00			0.3750	49.258	58.181	17564.9	21.75	131.35	75.8	702.3	397.9
68.00			0.3750	48.788	57.621	17062.7	21.53	130.10	76.1	688.8	394.0
70.00			0.3750	48.317	57.061		21.31	128.85	76.3	675.5	390.2
72.00			0.3750	47.847		16087.3	21.09	127.59	76.6	662.2	386.4
74.00			0.3750	47.376		15613.8	20.87	126.34		649.1	382.6
76.00			0.3750	46.906		15149.7	20.64	125.08		636.1	378.8
78.00			0.3750	46.436		14694.9	20.42	123.83		623.3	375.0
80.00				45.965		14249.3	20.20	122.57		610.6	371.2
82.00			0.3750	45.495		13812.8	19.98	121.32		598.0	367.4
84.00			0.3750	45.495		13598.0	19.87	120.69		591.8	182.3
85.00	Bot - Section 4		0.3750			13385.3	19.76	120.07		585.5	334.7
86.00			0.3750	45.025		12966.8	19.70	118.81		573.2	664.2
88.00			0.3750	44.554		12557.0	19.32	117.56		561.0	657.2
90.00			0.3750	44.084	02.023	12007.0	13.52	, , , , , ,		55110	

Increment Length:

2 (ft)

Elev (ft)	Description	Thick (in)	Dia (in)	Area (in^2)	lx (in^4)	W/t Ratio	D/t Ratio	Fpy (ksi)	S (in^3)	Weight (lb)
91.00	Top - Section 3	0.3125	44.474	43.801	10792.4	23.68	142.32	0.0	0.0	326.0
92.00		0.3125	44.239	43.568	10620,9	23.55	141.56	73.7	472.9	148.6
94.00		0.3125	43.768	43.101	10283.4	23.29	140.06	74.0	462.8	294,9
95.00		0.3125	43.533	42.868	10117.3	23.15	139.31	74.2	457.7	146,3
96.00		0.3125	43.298	42.635	9953.0	23.02	138.55	74.3	452.8	145.5
98.00		0.3125	42.828	42.168	9629.9	22.75	137.05	74.6	442.9	288.6
100.00		0.3125	42.357	41.702	9313.8	22.49	135.54	74.9	433.1	285.4
102.00		0.3125	41.887	41.235	9004.7	22.22	134.04	75.3	423.4	282.2
104.00		0.3125	41.416	40.768	8702.5	21.96	132.53	75.6	413.9	279.0
106.00		0.3125	40.946	40.302	8407.2	21.69	131.03	75.9	404.4	275.9
108.00		0.3125	40.476	39.835	8118.6	21.43	129.52		395.1	272.7
110.00		0.3125	40.005	39.369	7836.7	21.16	128.02	76.5	385.8	269.5
112.00		0.3125	39.535	38.902	7561.4	20.90	126.51		376.7	266.3
114.00		0.3125	39.065	38.436	7292.6	20.63	125.01	77.1	367.7	263.2
116.00		0.3125	38.594	37.969	7030.3	20.37	123.50		358.8	260.0
118.00		0.3125	38.124	37.503	6774.3	20.10	122.00	77.8	350.0	256.8
120.00		0.3125	37.654	37.036	6524.6	19.84	120.49		341.3	253.6
122.00		0.3125	37.183	36.570	6281.1	19.57	118.99		332.7	250.5
124.00		0.3125	36.713	36.103	6043.8	19.30	117.48		324.2	247.3
126.00		0.3125	36.243	35.637	5812.5	19.04	115.98		315.9	244.1
128.00		0.3125	35.772	35.170	5587.2	18.77	114.47		307.6	240.9
130.00	Bot - Section 5	0.3125	35.302	34.704	5367.8	18.51	112.97		299.5	237.8
132.00		0.3125	34.831	34.237	5154.3	18.24	111.46		291.5	425.3
134.00		0.3125	34.361	33.771	4946.4	17.98	109.96		283.5	419.6
135.00	Top - Section 4	0.2500	34.626	27.276	4072.4	23.01	138.50	0.0	0.0	207.6
136.00		0.2500	34.391	27.090	3989.4	22.85	137.56		228.5	92.5
137.00		0.2500	34.156	26.903	3907.5	22.68	136.62		225.3	91.9
138.00		0.2500	33.920	26.716	3826.7	22.51	135.68		222.2	91.2
140.00		0.2500	33.450	26.343	3668.6	22.18	133.80		216.0	180.6
**										30014.2

Wind Loading - Shaft

Structure: CT11560-A Code: TIA-222-H

Site Name: Sterling 6 CT Exposure: B
Height: 140.00 (ft) Crest Height: 0.00

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

Gh: 1.1 Topography: 1 Struct Class: ||

SBA

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7/10/2023

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Iterations

Dead Load Factor 1.20
Wind Load Factor 1.00

Load Case: 1.2D + 1.0W 124 mph Wind

Elev	scription	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (Ib)	Tot Dead Load (lb)
0.00		1.00	0.70	25.667	28.23	560.70	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
2.00		1.00		25.667	28.23	556.61	0.730	0.000	2.00	10.876	7.94	224.2	0.0	723.8
4.00		1.00		25.667	28.23	552.52	0.730	0.000	2.00	10.796	7.88	222.5	0.0	718.5
6.00		1.00		25,667	28.23	548.44	0.730	0.000	2.00	10.717	7.82	220.9	0.0	713.1
8.00		1.00		25.667	28.23	544.35	0.730	0.000	2.00	10.637	7.77	219.2	0.0	707.8
10.00		1.00		25.667	28.23	540.26	0.730	0.000	2.00	10.558	7.71	217.6	0.0	702.5
12.00		1.00		25.667	28.23	536.17	0.730	0.000	2.00	10.478	7.65	216.0	0.0	697.1
		1.00		25.667	28.23	532.08	0.730	0.000	2.00	10.398	7.59	214.3	0.0	691.8
14.00		1.00		25.667	28.23	527.99	0.730	0.000	2.00	10.319	7.53	212.7	0.0	686.5
16.00		1.00		25.667	28.23	523.90	0.730	0.000	2,00	10.239	7.47	211.0	0.0	681.1
18.00		1.00		25.667	28.23	519.81	0.730	0.000	2.00	10.160	7.42	209.4	0.0	675.8
20.00		1.00		25.667	28.23	515.72	0.730	0.000	2.00	10.080	7.36	207.8	0.0	670.5
22.00		1.00		25.667	28.23	511.64	0.730	0.000	2.00	10.000	7.30	206.1	0.0	665.1
24.00	-a: d	1.00		25.667	28.23	509.59	0.730	0.000	1.00	4.970	3.63	102.4	0.0	330.6
25.00 Top - Se	CUOIL	1.00		25.667	28.23	507.55	0.730	0.000	1.00	4,950	3.61	102.0	0.0	282.5
26.00		1.00		25.667	28.23	503.46	0.730	0.000	2.00	9.841	7.18	202.8	0.0	561.6
28.00		1.00		25.689	28.26	499.58	0.730	0.000	2.00	9.762	7.13	201.4	0.0	557.0
30.00		1.00		26.167	28.78	500.08	0.730	0.000	2.00	9.682	7.07	203.4	0.0	552.4
32.00				26.624	29.29	500.26	0.730	0.000	2.00	9.602	7.01	205.3	0.0	547.9
34.00		1.00		27.062	29.77	500.20	0.730	0.000	2.00	9.523	6.95	206.9	0.0	543.3
36.00		1.00		27.484	30.23	499.82	0.730	0.000	2.00	9.443	6.89	208.4	0.0	538.7
38.00		1.00		27.889	30.68	499.23	0.730	0.000	2.00	9.364	6.84	209.7	0.0	534.1
40.00		1.00		28.087	30.90	498.85	0.730	0.000	1.00	4.652	3.40	104.9	0.0	265.4
41.00 Bot - Se	ction 3	1.00		28.281	31.11	498.43	0.730	0.000	1.00	4.696	3.43	106.6	0.0	532.1
42.00		1.00		28.659	31.53	497.43	0.730	0.000	2.00	9.331	6.81	214.7	0.0	1057.3
44.00		1.00			31.93	496.25	0.730	0.000	2.00	9.252	6.75	215.6	0.0	1048.1
46.00		1.00		29.026	32.32	494.90	0.730	0.000	2.00	9.172	6.70	216.4	0.0	1039.0
48.00 Top - Se	ection 2	1.00		29.381		500.41	0.730	0.000	2.00	9.093	6.64	217.0	0.0	518.6
50.00		1.00		29.725	32.70	498.80	0.730	0.000	2.00	9.013	6.58	217.6	0.0	514.0
52.00		1.00		30.060	33.07		0.730	0.000	2.00	8.933	6.52	218.0	0.0	509.4
54.00		1.00		30.386	33.42	497.05	0.730	0.000	2.00	8.854	6.46	218.3	0.0	504.9
56.00		1.00		30.704	33.77	495.17	0.730	0.000	2.00	8.774	6.41	218.5	0.0	500.3
58.00		1.00		31.013	34.11	493.16	0.730	0.000	2.00	8.694	6.35	218.6	0.0	495.7
60.00		1.00		31.315	34.45	491.04	0.730	0.000	2.00	8.615	6.29	218.7	0.0	491.1
62.00		1.00		31.610	34.77	488.81				8.535	6.23	218.6	0.0	486.6
64.00		1.00		31.898	35.09	486.47	0.730	0.000	2.00	8.456	6.17	218.5	0.0	482.0
66.00		1.00		32.179	35.40	484.03	0.730	0.000	2.00	8.376	6.11	218.3	0.0	477.4
68.00		1.00		32.455	35.70	481.51	0.730	0.000	2.00	8.296	6.06	218.0	0.0	472.9
70.00		1.00		32.725	36.00	478.89	0.730	0.000	2.00		6.00	217.7	0.0	468.3
72.00		1.00		32.989	36.29	476.18	0.730	0.000	2.00	8.217			0.0	463.7
74.00		1.00		33.249	36.57	473.40		0.000	2.00		5.94	217.3 216.8		459.1
76.00		1.00		33.503	36.85	470.53	0.730	0.000	2.00	8.058	5.88			454.6
78.00		1.00		33.752	37.13	467.59	0.730	0.000	2.00	7.978	5.82	216.2		450.0
80.00		1.00		33.997	37.40	464.58	0.730	0.000	2.00	7.898	5.77	215.6		445.4
82.00		1.00		34.238	37.66	461.50	0.730	0.000	2.00	7.819	5.71	215.0		
84.00		1.00		34.475	37.92	458.35	0.730	0.000	2.00	7.739	5.65	214.2		440.9
85.00 Bot - Se	ction 4	1.00	0.94	34.591	38.05	456.75	0.730	0.000	1.00	3.840	2.80	106.7		218.7
86.00		1.00	0.95	34.707	38.18	455.14	0.730	0.000	1.00	3.873	2.83	107.9	0.0	401.7

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Wind Loading - Shaft

Structure: CT11560-A **Code**: TIA-222-H 7/10/2023

 Site Name:
 Sterling 6 CT
 Exposure:
 B

 Height:
 140.00 (ft)
 Crest Height:
 0.00

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



Gh: 1.1		Topography	: 1	Str	uct C	lass:				Page: 11		
88.00	1.00	0.95 34.936	38.43	451.87	0.730	0.000	2.00	7.686	5.61	215.6	0.0	797.0
90.00	1.00	0.96 35,161	38.68	448.54	0.730	0.000	2.00	7.606	5.55	214.8	0.0	788.7
91.00 Top - Section 3	1.00	0.96 35.272	38.80	446.85	0.730	0.000	1.00	3.773	2.75	106.9	0.0	391.2
92.00	1.00	0.96 35.382	38.92	451.52	0.730	0.000	1.00	3.753	2.74	106.6	0.0	178.4
94.00	1.00	0.97 35.601	39.16	448.10	0.730	0.000	2.00	7.447	5.44	212.9	0.0	353.9
95.00 Appurtenance(s)	1.00	0.97 35.708	39.28	446.36	0.730	0.000	1.00	3.694	2.70	105.9	0.0	175.5
96.00	1.00	0.98 35.815	39.40	444.62	0.730	0.000	1.00	3.674	2.68	105.7	0.0	174.6
98.00	1.00	0.98 36.027	39.63	441.08	0.730	0.000	2.00	7.288	5.32	210.8	0.0	346.3
100.00	1.00	0.99 36.236	39.86	437.50	0.730	0.000	2.00	7.208	5.26	209.7	0.0	342.5
102.00	1.00	0.99 36.441	40.09	433.87	0.730	0.000	2.00	7.129	5.20	208.6	0.0	338.7
104.00	1.00	1.00 36.644	40.31	430.19	0.730	0.000	2.00	7.049	5.15	207.4	0.0	334.8
106.00	1.00	1.00 36.844	40.53	426.46	0.730	0.000	2.00	6.969	5.09	206.2	0.0	331.0
108.00	1.00	1.01 37.041	40.75	422.69	0.730	0.000	2.00	6.890	5.03	204.9	0.0	327.2
110.00	1.00	1.02 37.236	40.96	418.87	0.730	0.000	2.00	6.810	4.97	203.6	0.0	323.4
112.00	1.00	1.02 37.428	41.17	415.02	0.730	0.000	2.00	6.731	4.91	202.3	0.0	319.6
114.00	1.00	1.03 37.618	41.38	411.12	0.730	0.000	2.00	6.651	4.86	200.9	0.0	315.8
116.00	1.00	1.03 37.805	41.59	407.18	0.730	0.000	2.00	6.571	4.80	199.5	0.0	312.0
118.00	1.00	1.04 37.990	41.79	403.20	0.730	0.000	2.00	6.492	4.74	198.0	0.0	308.2
120.00 Appurtenance(s)	1.00	1.04 38.173	41.99	399.18	0.730	0.000	2.00	6.412	4.68	196.6	0.0	304.4
122.00	1.00	1.05 38.354	42.19	395.13	0.730	0.000	2.00	6.333	4.62	195.0	0.0	300.6
124.00	1.00	1.05 38.532	42.39	391.04	0.730	0.000	2.00	6.253	4.56	193.5	0.0	296.7
126.00	1.00	1.06 38.709	42.58	386.91	0.730	0.000	2.00	6.173	4.51	191.9	0.0	292.9
128.00	1.00	1.06 38.884	42.77	382.75	0.730	0.000	2.00	6.094	4.45	190.3	0.0	289.1
130.00 Bot - Section 5	1.00	1.07 39.056	42.96	378.55	0.730	0.000	2.00	6.014	4.39	188.6	0.0	285.3
132.00	1.00	1.07 39.227	43.15	374.33	0.730	0.000	2.00	6.019	4.39	189.6	0.0	510.4
134.00	1.00	1.07 39.396	43.34	370.06	0.730	0.000	2.00	5.940	4.34	187.9	0.0	503.5
135.00 Top - Section 4	1.00	1.08 39.480	43.43	367.92	0.730	0.000	1.00	2.940	2.15	93.2	0.0	249.2
136.00	1.00	1.08 39.563	43.52	371.17	0.730	0.000	1.00	2.920	2.13	92.8	0.0	111.0
137.00 Appurtenance(s)	1.00	1.08 39.646	43.61	369.02	0.730	0.000	1.00	2.900	2.12	92.3	0.0	110.2
138.00	1.00	1.08 39.728	43.70	366.86	0.730	0.000	1.00	2.880	2.10	91.9	0.0	109.5
140.00	1.00	1.09 39.892	43.88	362.51	0.730	0.000	2.00	5.701	4.16	182.6	0.0	216.7
2						Totals:	140.00	5 0 1		14,616.4	3.0	36,017.0

Discrete Appurtenance Forces

CT11560-A Structure:

Code:

TIA-222-H

7/10/2023

Site Name: Sterling 6 CT

Exposure:

В

Height:

140.00 (ft)

Crest Height: 0.00

SBA

Base Elev: 0.000 (ft)

Site Class:

D - Stiff Soil

Gh:

1.1

Topography: 1

Struct Class: II

Page: 12

Iterations 22

Load Case: 1.2D + 1.0W 124 mph Wind

Dead Load Factor

1.20

1.00 Wind Load Factor

0	Elev		qz	gzGh	Orient Factor		Total CaAa	Dead Load	Horiz Ecc	Vert Ecc	Wind FX	Mom Y	Mom Z
No.	(ft) Description	Qty	(psf)	(psf)	х Ка	Ka	(sf)	(lb)	(ft)	(ft)	(lb)	(lb-ft)	(lb-ft)
1	137.00 Low Profile Platform	1	39.646	43.610	1.00	1.00	22.00	1800.00	0.000	0.000	959.43	0.00	0.00
2	137.00 Antel BXA-70063-6CF-	-2 3	39.646	43.610	0.58	0.75	13.12	61.20	0.000	0.000	571.95	0.00	0.00 0.00
3	137.00 JAHH-65B-R3B	6	39.646	43.610	0.62	0.75	47.85	577.44	0.000	0.000	2086.56	0.00	0.00
4	137.00 Samsung B5/B13	3	39.646	43.610	0.58	0.75	3.26	253.08	0.000	0.000	142.04	0.00	0.00
5	137.00 Samsung B2/B66A	3	39.646	43.610	0.62	0.75	3.51	303.84	0.000	0.000	153.11	0.00	0.00
6	137.00 Kaelus BSF0020F3V1-	-1 4	39.646	43.610	0.49	0.75	1.87	84.48	0.000	0.000	81.64	0.00 0.00	0.00
7	137.00 (3) Stabilizer Kit (4' FW	/) 1	39.646	43.610	1.00	1.00	3.70	168.00	0.000	0.000	161.36	0.00	0.00
8	137.00 MT6407-77A	3	39.646	43.610	0.52	0.75	7.40	313.56	0.000	0.000	322.83	0.00	0.00
9	137.00 Commscope	3	39.646	43.610	0.66	0.75	0.73	37.44	0.000	0.000	31.95	0.00	0.00
10	137.00 Raycap OVP-12	1	39.646	43.610	0.66	0.75	2.68	38.40	0.000	0.000	116.86	0.00	0.00
11	137.00 (3) HR w/ Double V-Br	ace 1	39.646	43.610	1.00	1.00	15.50	780.00	0.000	0.000	675.96	0.00	0.00
12	130.00 HRK12 (Handrail Kit)	1	39.056	42.962	1.00	1.00	10.00	314.06	0.000	0.000	429.62	0.00	0.00
13	130.00 HPA-65R-BU8AA	3	39.056	42.962	0.65	0.75	21.73	194.40	0.000	0.000	933.56	0.00	0.00
14	130.00 DMP65R-BU8DA	3	39.056	42.962	0.55	0.75	29.35	344.52	0.000	0.000	1260.99	0.00	0.00
15	130.00 RRUS 4449 B5/B12	3	39.056	42.962	0.68	0.75	3.32	262.80	0.000	0.000	142.68	0.00	0.00
16	130.00 LGP17201	6	39.056	42.962	0.50	0.75	5.04	72.00	0.000	0.000	216.31	0.00	0.00
17	130.00 RRUS 8843 B2 B66A	3	39.056	42.962	0.68	0.75	3.36	259.20	0.000	0.000	144.26 945.16	0.00	0.00
18	130.00 Low Profile Platform	1	39.056	42.962	1.00	1.00	22.00	1800.00	0.000	0.000	945.16	0.00	0.00
19	130.00 DC6-48-60-18-8F	1	39.056	42.962	0.60	0.75	2.22	39.36	0.000	0.000		0.00	0.00
20	130.00 Powerwave LGP21401	1 - 6	39.056	42.962	0.53	0.75	2.62	126.00	0.000	0.000	112.56 820.23	0.00	0.00
21	130.00 7770.00	6	39.056	42.962	0.58	0.75	19.09	194.40	0.000	0.000		0.00	0.00
22	130.00 15'x2.875"mount pipe	3	39.056	42.962	1.00	1.00	12.93	313.20	0.000	0.000	555.50 216.31	0.00	0.00
23	130.00 Powerwave LGP21901	1- 6	39.056	42.962	0.50	0.75	5.04	223.20	0.000	0.000 0.000	398.91	0.00	0.00
24	120.00 PRK-1245 (kicker kit)	1	•		1.00	1.00	9.50	557.89	0.000	0.000	408.92	0.00	0.00
25	120.00 APX16DWV-16DWVS	-E-A 3		41.990	0.50	0.75	9.74	146.52	0.000	• • • • •	1376.82	0.00	0.00
26	120.00 APXVAA4L24-43-U-N	A20 3		41.990	0.54	0.75	32.79	442.08	0.000	0.000	379.00	0.00	0.00
27	120.00 AIR6449 B41	3	-	41.990	0.53	0.75	9.03	370.80	0.000	0.000		0.00	0.00
28	120.00 LP-RMQP-4096-HK PI	lat 1		41.990	1.00	1.00	51.70	3202.80	0.000	0.000	2170.91 179.94	0.00	0.00
29	120.00 4460 B25 + B66	3	38.173	41.990	0.67	0.75	4.29	374.40	0.000	0.000		0.00	0.00
30	120.00 4480 B71 + B85	3	38.173	41.990	0.56	0.75	4.08	334.80	0.000	0.000	171.48 78.95	0.00	0.00
31	95.00 Raycap	1	35.708	39.279	1.00	1.00	2.01	26.28	0.000	0.000		0.00	0.00
32	95.00 Fujitsu TA08025-B605	3	35.708		0.50	0.75	2.95	270.00	0.000	0.000	116.06 116.06	0.00	0.00
33	95.00 Fujitsu TA08025-B604		35.708	39.279	0.50	0.75	2.95	230.04	0.000	0.000		0.00	0.00
34	95.00 Commscope	3	35.708	39.279	0.55	0.75	20.15	254.88	0.000	0.000	791.61 1826.48	0.00	0.00
35	95.00 MC-PK10-DSH	1	35.708	39.279	1.00	1.00	46.50	2003.16	0.000	0.000	1020.40	0.00	0.00

Totals:

16,774.24

19,191.39

Total Applied Force Summary

Structure: CT11560-A

Site Name: Sterling 6 CT

140.00 (ft)

Height: Base Elev: 0.000 (ft)

Gh: 1.1

Topography: 1

Code: TIA-222-H

Exposure:

В

Crest Height: 0.00

Site Class:

D - Stiff Soil

Struct Class: ||

SBA

Page: 13

7/10/2023

Iterations 22

Load Case: 1.2D + 1.0W 124 mph Wind

Dead Load Factor

1.20

Wind Load Factor 1.00

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ	
0.00					(lb-ft)	
2.00		0.00	0.00	0.00	0.00	
4.00		224.16	817.00	0.00	0.00	
6.00		222.52 220.88	811.67	0.00	0.00	
8.00		220.88	806.34	0.00	0.00	
10.00			801.00	0.00	0.00	
12.00		217.60	795.67	0.00	0.00	
14.00		215.96	790.33	0.00	0.00	
16.00		214.32	785.00	0.00	0.00	
		212.68	779.67	0.00	0.00	
18.00		211.04	774.33	0.00	0.00	
20.00		209.40	769.00	0.00	0.00	
22.00		207.75	763.66	0.00	0.00	
24.00		206.11	758.33	0.00	0.00	
25.00		102.44	377.16	0.00	0.00	
26.00		102.03	329.10	0.00	0.00	
28.00		202.83	654.78	0.00	0.00	
30.00		201.36	650.20	0.00	0.00	
32.00		203.44	645.63	0.00	0.00	
34.00		205.29	641.06	0.00	0.00	
36.00		206.94	636.49	0.00	0.00	
38.00		208.40	631.92	0.00	0.00	
40.00		209.70	627.34	0.00	0.00	
41.00		104.92	311.96	0.00	0.00	
42.00		106.63	578.67	0.00	0.00	
44.00		214.74	1150.49	0.00	0.00	
46.00		215.63	1141.35	0.00	0.00	
48.00		216.39	1132.20	0.00	0.00	
50.00		217.03	611.77	0.00	0.00	
52.00		217.56	607.20	0.00	0.00	
54.00		217.97	602.63	0.00	0.00	
56.00		218.29	598.06	0.00	0.00	
58.00		218.50	593.49	0.00		
30.00		218.63	588.92		0.00	
52.00		218.67	584.34	0.00	0.00	
64.00		218.62		0.00	0.00	
36.00			579.77	0.00	0.00	
58.00		218.49	575.20	0.00	0.00	
70.00		218.29	570.63	0.00	0.00	
72.00		218.02	566.06	0.00	0.00	
		217.67	561.48	0.00	0.00	
74.00		217.25	556.91	0.00	0.00	
76.00		216.77	552.34	0.00	0.00	
78.00		216.23	547.77	0.00	0.00	
30.00		215.63	543.20	0.00	0.00	
32.00		214.97	538.62	0.00	0.00	
34.00		214.25	534.05	0.00	0.00	
35.00		106.66	265.31	0.00	0.00	
86.00		107.93	448.26	0.00	0.00	

Total Applied Force Summary

CT11560-A Structure:

Code:

TIA-222-H

В

7/10/2023

Site Name: Sterling 6 CT

Exposure:

Height:

140.00 (ft)

Crest Height: 0.00

SBA

Heigin	. 140.00 (11)						
Base I	Elev: 0.000 (ft)			Site Cla	ass: D - S	Stiff Soil	
Gh:	1.1	Тор	ography: 1	Struct	Class: II		Page: 1
88.00		215.62	890.24	0.00	0.00		
90.00		214.76	881.85	0.00	0.00		
91.00		106.87	437.78	0.00	0.00		
92.00		106.64	224.98	0.00	0.00		
94.00		212.89	447.10	0.00	0.00		
95.00	(11) attachments	3035.07	3006.48	0.00	0.00		
96.00	` '	105.66	218.98	0.00	0.00		
98.00		210.83	435.11	0.00	0.00		
100.00		209.74	431.30	0.00	0.00		
102.00		208.60	427.49	0.00	0.00		
104.00		207.42	423.68	0.00	0.00		
106.00	7	206.19	419.87	0.00	0.00		
108.00		204.93	416.06	0.00	0.00		
110.00		203.63	412.25	0.00	0.00		
112.00		202.29	408.44	0.00	0.00		
114.00		200.91	404.63	0.00	0.00		
116.00		199.49	400.82	0.00	0.00		
118.00		198.04	397.01	0.00	0.00		
120.00	(17) attachments	5282.53	5822.49	0.00	0.00		
122.00	(11)	195.03	371.39	0.00	0.00		
124.00		193.48	367.58	0.00	0.00		
126.00		191.89	363.77	0.00	0.00		
128.00		190.27	359.96	0.00	0.00		
130.00	(42) attachments	6061.18	4499.29	0.00	0.00		
132.00	(12) 43120111101111	189.60	546.25	0.00	0.00		
134.00		187.90	539.39	0.00	0.00		
135.00	÷1	93.20	267.12	0.00	0.00		
136.00		92.77	128.94	0.00	0.00		
137.00	(29) attachments	5396.01	4545.62	0.00	0.00		
138.00	(25) (22255116	91.89	112.30	0.00	0.00		
140.00		182.62	222.31	0.00	0.00		
	Totals:	33,807.79	58,816.85	0.00	0.00		

Linear Appurtenance Segment Forces (Factored)

Structure: CT11560-A Code: TIA-222-H 7/10/2023

Site Name: Sterling 6 CT Exposure: В Height: 140.00 (ft) Crest Height: 0.00

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

Gh: 1.1 Topography: 1 Struct Class: || Page: 15

Iterations

SBA

22

Dead Load Factor 1.20 Wind Load Factor 1.00

Load Case: 1.2D + 1.0W 124 mph Wind

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)
2.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.015	0.000	25.667	0.00	0.66
2.00	Step boits (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.015	0.000	25.667	0.00	4.99
4.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.016	0.000	25.667	0.00	0.66
4.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.016	0.000	25.667	0.00	4.99
6.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.016	0.000	25.667	0.00	0.66
6.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.016	0.000	25.667	0.00	4.99
8.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.016	0.000	25.667	0.00	0.66
8.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.016	0.000	25.667	0.00	4.99
10.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.016	0.000	25.667	0.00	0.66
10.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.016	0.000	25.667	0.00	4.99
12.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.016	0.000	25.667	0.00	0.66
12.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.016	0.000	25.667	0.00	4.99
14.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.016	0.000	25.667	0.00	0.66
14.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.016	0.000	25.667	0.00	4.99
16.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.016	0.000	25.667	0.00	0.66
16.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.016	0.000	25.667	0.00	4.99
18.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.016	0.000	25.667	0.00	0.66
18.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.016	0.000	25.667	0.00	4.99
20.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.017	0.000	25.667	0.00	0.66
20.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.017	0.000	25.667	0.00	4.99
22.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.017	0.000	25.667	0.00	0.66
22.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.017	0.000	25.667	0.00	4.99
24.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.017	0.000	25.667	0.00	0.66
24.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.017	0.000	25.667	0.00	4.99
25.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.017	0.000	25.667	0.00	0.33
25.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.017	0.000	25.667	0.00	2.50
26.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.017	0.000	25.667	0.00	0.33
26.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.017	0.000	25.667	0.00	2.50
28.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.017	0.000	25.667	0.00	0.66
28.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.017	0.000	25.667	0.00	4.99
30.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.017	0.000	25.689	0.00	0.66
30.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.017	0.000	25.689	0.00	4.99
32.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.017	0.000	26.167	0.00	0.66
32.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.017	0.000	26.167	0.00	4.99
34.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.018	0.000	26.624	0.00	0.66
34.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.018	0.000	26.624	0.00	4.99
36.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.018	0.000	27.062	0.00	0.66
36.00	Ștep bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.018	0.000	27.062	0.00	4.99
38.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.018	0.000	27.484	0.00	0.66
38.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.018	0.000	27.484	0.00	4.99
40.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.018	0.000	27.889	0.00	0.66
40.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.018	0.000	27.889	0.00	4.99
41.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.018	0.000	28.087	0.00	0.33
41.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.018	0.000	28.087	0.00	2.50
42.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.018	0.000	28.281	0.00	0.33
42.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.018	0.000	28.281	0.00	2.50
44.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.018	0.000	28.659	0.00	0.66

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CT11560-A Structure:

Code:

TIA-222-H

7/10/2023

Page: 16

Height:

Gh:

Site Name: Sterling 6 CT

140.00 (ft)

Exposure: В

Crest Height: 0.00

Site Class: D - Stiff Soil SBA

Base Elev: 0.000 (ft)

1.1

Topography: 1

Struct Class: II

Load Case: 1.2D + 1.0W 124 mph Wind

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



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)
	Stop holto (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.018	0.000	28.659	0.00	4.99
44.00	Step bolts (ladder)	Yes	2.00	0.000	0.38	0.06	0.00	0.018	0.000	29.026	0.00	0.66
46.00	Safety Cable Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.018	0.000	29.026	0.00	4.99
46.00 48.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.019	0.000	29.381	0.00	0.66
	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	29.381	0.00	4.99
48.00 50.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.019	0.000	29.725	0.00	0.66
50.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	29.725	0.00	4.99
52.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.019	0.000	30.060	0.00	0.66
52.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	30.060	0.00	4.99
54.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.019	0.000	30.386	0.00	0.66
54.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	30.386	0.00	4.99
56.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.019	0.000	30.704	0.00	0.66
56.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	30.704	0.00	4.99
58.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.019	0.000	31.013	0.00	0.66
58.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	31.013	0.00	4.99
60.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.019	0.000	31.315	0.00	0.66
60.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	31.315	0.00	4.99
62.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.020	0.000	31.610	0.00	0.66
62.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.020	0.000	31.610	0.00	4.99
64.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.020	0.000	31.898	0.00	0.66
64.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.020	0.000	31.898	0.00	4.99
66.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.020	0.000	32.179	0.00	0.66
66.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.020	0.000	32.179	0.00	4.99
68.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.020	0.000	32.455	0.00	0.66
68.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.020	0.000	32.455	0.00	4.99
70.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.020	0.000	32.725	0.00	0.66
70.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.020	0.000	32.725	0.00	4.99
72.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.020	0.000	32.989	0.00	0.66
72.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.020	0.000	32.989	0.00	4.99
74.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.021	0.000	33.249	0.00	0.66
74.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.021	0.000	33.249	0.00	4.99
76.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.021	0.000	33.503	0.00	0.66
76.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.021	0.000	33.503	0.00	4.99
78.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.021	0.000	33.752	0.00	0.66
78.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.021	0.000	33.752	0.00	4.99
80.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.021	0.000	33.997	0.00	0.66
80.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.021	0.000	33.997	0.00	4.99
82.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.022	0.000	34.238	0.00	0.66
82.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.022	0.000	34.238	0.00	4.99
84.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.022	0.000	34.475	0.00	0.66
84.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.022	0.000	34.475	0.00	4.99
85.00		Yes	1.00	0.000	0.38	0.03	0.00	0.022	0.000	34.591	0.00	0.33
85.00		Yes	1.00	0.000	0.63	0.05	0.00	0.022	0.000	34.591	0.00	2.50
86.00		Yes	1.00	0.000	0.38	0.03	0.00	0.022	0.000	34.707	0.00	0.33
86.00	•	Yes	1.00	0.000	0.63	0.05	0.00	0.022	0.000	34.707	0.00	2.50
88.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.022	0.000	34.936	0.00	0.66 4.99
88.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.022	0.000	34.936	0.00	4.00

Structure: CT11560-A

Code:

TIA-222-H

7/10/2023

Site Name: Sterling 6 CT

Exposure:

Site Class:

Height:

140.00 (ft)

Crest Height: 0.00

D - Stiff Soil

Base Elev: 0.000 (ft) Gh:

1.1

Topography: 1

Struct Class: ||

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Iterations

SBA

Load Case: 1.2D + 1.0W 124 mph Wind

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



POOL Safety Cable Yes 2.00 0.000 0.38 0.06 0.00 0.022 0.000 35.161 0.00 0.68 90.00 Step botts (ladder) Yes 2.00 0.000 0.63 0.01 0.00 0.022 0.000 35.272 0.00 0.33 1.00 0.000 0.022 0.000 35.272 0.00 0.33 1.00 0.000 0.023 0.000 35.272 0.00 0.33 1.00 0.000 0.023 0.000 35.272 0.00 0.33 1.00 0.000	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)
99.00 Step boths (adder) Yes 2.00 0.000 0.83 0.10 0.00 0.022 0.000 35.161 0.00 0.03 0.00 0.023 0.000 35.272 0.00 0.33 0.00 0.024 0.000 35.272 0.00 0.33 0.00 0.024 0.000 35.272 0.00 0.33 0.00 0.024 0.000 35.272 0.00 0.33 0.00 0.024 0.000 35.272 0.00 0.33 0.00 0.024 0.000 0.024 0.000 0.033 0.00 0.024 0.000 0.035 0.00 0.024 0.000 0.035 0.00 0.024 0.000 0.035 0.00 0.024 0.000 0.035 0.000 0.024 0.000 0.035 0.000 0.024 0.000 0.035 0.000 0.024 0.000 0.035 0.000 0.024 0.000 0.035 0.000 0.024 0.000 0.035 0.000 0.034 0.000 0.034 0.000 0.034 0.000 0.034 0.000 0.034 0.000 0.034 0.000 0.034 0.000 0.034 0.000 0.034 0.000 0.034 0.000 0.034 0.000 0.034 0.000 0.034 0.000 0.034 0.000 0.034 0.000 0.034 0.000 0.035 0.0	90.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.022	0.000	35 161	0.00	0.66
91.00 Slefe boths [adder] Yes 1.00 0.000 0.38 0.03 0.00 0.023 0.000 35.272 0.00 0.33 0.00 0.025 0.000 35.272 0.00 0.33 0.00 0.025 0.000 0.025 0.000 0.000 0.33 0.00 0.025 0.000	90.00	Step bolts (ladder)		2.00									
91.00 Slep bolls (ladder)	91.00	Safety Cable	Yes	1.00	0.000								
92.00 Safety Cable	91.00	Step bolts (ladder)	Yes	1.00									
92.00 Slep bolts (ladder) Yes 1.00 0.000 0.83 0.05 0.00 0.022 0.000 35.882 0.00 2.50 94.00 Slep bolts (ladder) Yes 2.00 0.000 0.83 0.05 0.00 0.023 0.000 35.601 0.00 0.66 94.00 Slep bolts (ladder) Yes 2.00 0.000 0.83 0.03 0.00 0.023 0.000 35.601 0.00 0.89 95.00 Slep bolts (ladder) Yes 1.00 0.000 0.83 0.03 0.00 0.023 0.000 35.708 0.00 0.33 95.00 Slep bolts (ladder) Yes 1.00 0.000 0.83 0.03 0.00 0.023 0.000 35.708 0.00 0.33 95.00 Slep bolts (ladder) Yes 1.00 0.000 0.83 0.05 0.00 0.023 0.000 35.708 0.00 0.33 95.00 Slep bolts (ladder) Yes 1.00 0.000 0.83 0.05 0.00 0.023 0.000 35.708 0.00 0.25 0.000 Slep bolts (ladder) Yes 1.00 0.000 0.83 0.05 0.00 0.023 0.000 35.815 0.00 0.25 0.000 Slep bolts (ladder) Yes 2.00 0.000 0.83 0.05 0.00 0.023 0.000 35.815 0.00 0.25 0.000 0.0	92.00	Safety Cable	Yes	1.00	0.000								
94.00 Safety Cable	92.00	Step bolts (ladder)	Yes	1.00									
94.00 Step bolts (adder) Yes 2.00 0.000 0.63 0.10 0.00 0.023 0.000 35.601 0.00 4.99 95.00 Safety Cable Yes 1.00 0.000 0.38 0.03 0.00 0.023 0.000 35.708 0.00 0.33 95.00 Step bolts (adder) Yes 1.00 0.000 0.83 0.05 0.00 0.023 0.000 35.708 0.00 0.33 95.00 Safety Cable Yes 1.00 0.000 0.83 0.05 0.00 0.023 0.000 35.815 0.00 0.33 95.00 Safety Cable Yes 2.00 0.000 0.83 0.05 0.00 0.023 0.000 35.815 0.00 0.33 95.00 Safety Cable Yes 2.00 0.000 0.83 0.06 0.00 0.023 0.000 35.815 0.00 0.33 96.00 Step bolts (adder) Yes 2.00 0.000 0.83 0.06 0.00 0.023 0.000 36.027 0.00 0.66 98.00 Step bolts (adder) Yes 2.00 0.000 0.83 0.06 0.00 0.023 0.000 36.027 0.00 0.66 98.00 Step bolts (adder) Yes 2.00 0.000 0.83 0.06 0.00 0.023 0.000 36.027 0.00 0.66 98.00 Step bolts (adder) Yes 2.00 0.000 0.83 0.06 0.00 0.023 0.000 36.027 0.00 0.66 98.00 Step bolts (adder) Yes 2.00 0.000 0.63 0.10 0.00 0.023 0.000 36.236 0.00 0.66 98.00 Step bolts (adder) Yes 2.00 0.000 0.63 0.06 0.00 0.024 0.000 36.236 0.00 0.66 98.00 Step bolts (adder) Yes 2.00 0.000 0.63 0.06 0.00 0.024 0.000 36.236 0.00 0.66 98.00 Step bolts (adder) Yes 2.00 0.000 0.63 0.06 0.00 0.024 0.000 36.236 0.00 0.66 98.00 Step bolts (adder) Yes 2.00 0.000 0.63 0.06 0.00 0.024 0.000 36.411 0.00 0.66 98.00 Step bolts (adder) Yes 2.00 0.000 0.63 0.06 0.00 0.024 0.000 36.441 0.00 0.66 98.00 Step bolts (adder) Yes 2.00 0.000 0.63 0.00 0.004 0.000 36.441 0.00 0.66 98.00 Step bolts (adder) Yes 2.00 0.000 0.63 0.00 0.004 0.000 36.441 0.00 0.66 98.00 Step bolts (adder) Yes 2.00 0.000 0.63 0.00 0.004 0.000 36.441 0.00 0.66 98.00 Step bolts (adder) Yes 2.00 0.000 0.63 0.00 0.004 0.000 36.441 0.00 0.66 98.00 Step bolts (adder) Yes 2.00 0.000 0.63 0.00 0.004 0.000 36.441 0.00 0.66 98.00 Step bolts (adder) Yes 2.00 0.000 0.63 0.00 0.004 0.000 36.441 0.00 0.66 98.00 Step bolts (adder) Yes 2.00 0.000 0.38 0.06 0.00 0.004 0.000 37.041 0.00 0.66 98.00 Step bolts (adder) Yes 2.00 0.000 0.38 0.06 0.00 0.004 0.000 37.041 0.00 0.66 98.00 Step bolts (adder) Yes 2.00 0.000 0.38 0.06 0.00 0.004 0.000 37.041 0.00 0.66	94.00	Safety Cable	Yes	2.00									
95.00 Safety Cable	94.00	Step bolts (ladder)	Yes	2.00	0.000								
95.00 Step bolts (ladder) Yes 1.00 0.000 0.83 0.05 0.00 0.023 0.000 35.708 0.00 0.33 96.00 Step bolts (ladder) Yes 1.00 0.000 0.38 0.05 0.00 0.023 0.000 35.815 0.00 0.33 96.00 Step bolts (ladder) Yes 1.00 0.000 0.38 0.06 0.00 0.023 0.000 35.815 0.00 0.33 98.00 Step bolts (ladder) Yes 2.00 0.000 0.38 0.06 0.00 0.023 0.000 36.027 0.00 0.66 98.00 Step bolts (ladder) Yes 2.00 0.000 0.38 0.06 0.00 0.023 0.000 36.027 0.00 0.66 98.00 Step bolts (ladder) Yes 2.00 0.000 0.83 0.06 0.00 0.023 0.000 36.027 0.00 0.69 100.00 Step bolts (ladder) Yes 2.00 0.000 0.83 0.06 0.00 0.023 0.000 36.236 0.00 0.66 100.00 Step bolts (ladder) Yes 2.00 0.000 0.83 0.06 0.00 0.023 0.000 36.236 0.00 0.66 100.00 Step bolts (ladder) Yes 2.00 0.000 0.38 0.06 0.00 0.023 0.000 36.236 0.00 0.99 100.00 Step bolts (ladder) Yes 2.00 0.000 0.38 0.06 0.00 0.024 0.000 36.441 0.00 0.66 100.00 Step bolts (ladder) Yes 2.00 0.000 0.38 0.06 0.00 0.024 0.000 36.441 0.00 0.66 100.00 Step bolts (ladder) Yes 2.00 0.000 0.38 0.06 0.00 0.0024 0.000 36.844 0.00 0.66 100.00 Step bolts (ladder) Yes 2.00 0.000 0.63 0.10 0.00 0.024 0.000 36.644 0.00 0.66 100.00 Step bolts (ladder) Yes 2.00 0.000 0.63 0.10 0.00 0.024 0.000 36.644 0.00 0.66 100.00 Step bolts (ladder) Yes 2.00 0.000 0.63 0.10 0.00 0.024 0.000 36.644 0.00 0.66 100.00 Step bolts (ladder) Yes 2.00 0.000 0.63 0.10 0.00 0.024 0.000 36.844 0.00 0.66 100.00 Step bolts (ladder) Yes 2.00 0.000 0.63 0.10 0.00 0.024 0.000 36.844 0.00 0.66 100.00 Step bolts (ladder) Yes 2.00 0.000 0.63 0.10 0.00 0.024 0.000 37.041 0.00 0.66 100.00 Step bolts (ladder) Yes 2.00 0.000 0.63 0.10 0.00 0.024 0.000 37.041 0.00 0.66 100.00 Step bolts (ladder) Yes 2.00 0.000 0.38 0.06 0.00 0.025 0.000 37.041 0.00 0.66 100.00 Step bolts (ladder) Yes 2.00 0.000 0.38 0.06 0.00 0.025 0.000 37.041 0.00 0.66 100.00 Step bolts (ladder) Yes 2.00 0.000 0.38 0.06 0.00 0.025 0.000 37.041 0.00 0.66 110.00 Step bolts (ladder) Yes 2.00 0.000 0.38 0.06 0.00 0.025 0.000 37.041 0.00 0.66 1110.00 Step bolts (ladder) Yes 2.00 0.000 0.63 0.10 0.00 0.025 0.000 37.	95.00	Safety Cable	Yes	1.00									
96.00 Safety Cable	95.00	Step bolts (ladder)	Yes	1.00	0.000								
98.00 Step bolts (ladder) Yes	96.00		Yes	1.00									
98.00 Safely Cable	96.00	Step bolts (ladder)	Yes	1.00	0.000								
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422.00 0.5-1-0-14-		•											
		. , ,		2.00	0.000	0.38	0.06	0.00	0.028	0.000	39.227	0.00	0.66

CT11560-A Structure:

Code:

TIA-222-H

7/10/2023

Site Name: Sterling 6 CT

В Exposure:

Height:

140.00 (ft)

Crest Height: 0.00 D - Stiff Soil Site Class:

SBA

Base Elev: 0.000 (ft) Gh:

1.1

Topography: 1

Struct Class: ||

Page: 18

Load Case: 1.2D + 1.0W 124 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 (Ib)
	Ot - Falls (ladded)	Yes	2.00	0.000	0.63	0.10	0.00	0.028	0.000	39.227	0.00	4.99
132.00	Step bolts (ladder)		2.00	0.000	0.38	0.06	0.00	0.029	0.000	39.396	0.00	0.66
134.00	Safety Cable	Yes		0.000	0.63	0.10	0.00	0.029	0.000	39.396	0.00	4.99
134.00	Step bolts (ladder)	Yes	2.00		0.38	0.03	0.00	0.029	0.000	39.480	0.00	0.33
135.00	Safety Cable	Yes	1.00	0.000		0.05	0.00	0.029	0.000	39,480	0.00	2.50
135.00	Step bolts (ladder)	Yes	1.00	0.000	0.63			0.029	0.000	39.563	0.00	0.33
136.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00			39.563	0.00	2.50
136.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.029	0.000		0.00	0.33
137.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.029	0.000	39.646		
137.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.029	0.000	39.646	0.00	2.50
138.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.029	0.000	39.728	0.00	0.33
	•	Yes	1.00	0.000	0.63	0.05	0.00	0.029	0.000	39.728	0.00	2.50
138.00	Step bolts (ladder)		2.00	0.000	0.38	0.06	0.00	0.030	0.000	39.892	0.00	0.66
140.00	Safety Cable	Yes		0.000	0.63	0.10	0.00	0.030	0.000	39.892	0.00	4.99
140.00	Step bolts (ladder)	Yes	2.00	0.000	0.05	3.10	3.00			tals:	0.0	395.3

Structure: CT11560-A

Site Name: Sterling 6 CT Height: 140.00 (ft)

Base Elev: 0.000 (ft)

Gh:

1.1

Code: TIA-222-H

Exposure: В Crest Height: 0.00

D - Stiff Soil Site Class:

Struct Class: ||

Page: 19

7/10/2023

Iterations 22

SBA

Load Case: 1.2D + 1.0W 124 mph Wind

Dead Load Factor 1.20 Wind Load Factor 1.00

Topography: 1

Seg Elev	Pu FY (-)	Vu FX (-)	Tu MY (-)	Mu MZ	Mu MX	Resultant Moment	phi Pn	phi Vn	phi Tn	phi Mn	Total Deflect	Rotation Sway	Rotation Twist	Stress
(ft)	(kips)	(kips)	(ft-kips)	(ft-kips)	(ft-kips)	(ft-kips)	(kips)	(kips)	(ft-kips)	(ft-kips)	(in)	(deg)	(deg)	Ratio
0.00	-58.80	-33.83	0.00	-3487.5	0.00	3487.51	5803.10	1561.17	8297.91	7657.05	0.00	0.000	0.000	0.466
2.00	-57.96	-33.65	0.00	-3419.8	0.00	3419.85	5778.21	1549.71	8176.51	7567.86	0.01	-0.043	0.000	0.462
4.00	-57.12	-33.47	0.00	-3352.5	0.00	3352,56	5753.06	1538.25	8056.00	7478.80	0.04	-0.085	0.000	0.459
6.00	-56.29	-33.29	0.00	-3285.6	0.00	3285.62	5727.65	1526.78	7936.39	7389.90	0.08	-0.128	0.000	0.455
8.00	-55.47	-33.11	0.00	-3219.0	0.00	3219.05	5701.98	1515.32	7817.67	7301.16	0.15	-0.171	0.000	0.451
10.00	-54.65	-32.93	0.00	-3152.8	0.00	3152.84	5676.04	1503.86	7699.85	7212.59	0.23	-0.214	0.000	0.447
12.00	-53.84	-32.75	0.00	-3086.9	0.00	3086.98	5649.84	1492.40	7582.92	7124.20	0.33	-0.257	0.000	0.443
14.00	-53.03	-32.57	0.00	-3021.4	0.00	3021.49	5623.38	1480.93	7466.89	7035.98	0.44	-0.300	0.000	0.439
16.00	-52.22	-32.39	0.00	-2956.3	0.00	2956.34	5596.66	1469.47	7351.75	6947.96	0.58	-0.343	0.000	0.435
18.00	-51.43	-32.22	0.00	-2891.5	0.00	2891.56	5569.67	1458.01	7237.50	6860.14	0.73	-0.387	0.000	0.431
20.00	-50.63	-32.04	0.00	-2827.1	0.00	2827.13	5542.43	1446,55	7124.15	6772.52	0.90	-0.430	0.000	0.427
22.00	-49.85	-31.86	0.00	-2763.0	0.00	2763.05	5514.92	1435.08	7011.70	6685.11	1.09	-0.473	0.000	0.423
24.00	-49.07	-31.68	0.00	-2699.3	0.00	2699.32	5487.15	1423.62	6900,13	6597.93	1.30	-0.517	0.000	0.419
25.00	-48.69	-31.59	0.00	-2667.6	0.00	2667.64	5473.16	1417.89	6844.69	6554.42	1.41	-0.538	0.000	0.416
25.00	-48.69	-31.59	0.00	-2667.6	0.00	2667.64	4407.37	1216.64	5879.49	5289.42	1.41	-0.538	0.000	0.516
26.00	-48.34	-31.52	0.00	-2636.0	0.00	2636.05	4397.65	1211.73	5832.10	5256.32	1.53	-0.560	0.000	0.513
28.00	-47.66	-31.35	0.00	-2573.0	0.00	2573.02	4378.03	1201.90	5737.91	5190.16	1.77	-0.611	0.000	0.507
30.00	-46.98	-31.18	0.00	-2510.3	0.00	2510.32	4358.14	1192.08	5644.49	5124.08	2.04	-0.661	0.000	0.501
32.00	-46.31	-31.01	0.00	-2447.9	0.00	2447.96	4338.00	1182.25	5551.83	5058.08	2.33	-0.712	0.000	0.495
34.00	-45.65	-30.84	0.00	-2385.9	0.00	2385.93	4317.58	1172.43	5459.94	4992.17	2.64	-0.762	0.000	0.493
36.00	-44.99	-30.66	0.00	-2324.2	0.00	2324.26	4296.91	1162.60	5368.81	4926.35	2.97	-0.813	0.000	0.483
38.00	-44.33	-30.48	0.00	-2262.9	0.00	2262.93	4275.98	1152.78	5278.46	4860.65	3.32	-0.863	0.000	0.463
40.00	-43.69	-30.29	0.00	-2201.9	0.00	2201.97	4254.78	1142.95	5188.87	4795.05	3.69	-0.913	0.000	0.477
41.00	-43.36	-30.20	0.00	-2171.6	0.00	2171.67	4244.08	1138.04	5144.36	4762.30	3.89	-0.938	0.000	0.470
42.00	-42.77	-30.11	0.00	-2141.4	0.00	2141.47	4233.32	1133.13	5100.04	4729.58	4.09	-0.964	0.000	0.464
44.00	-41.59	-29.92	0.00	-2081.2	0.00	2081.24	4211.60	1123.30	5011.98	4664.23	4.50	-1.014	0.000	
46.00	-40.43	-29.72	0.00	-2021.4	0.00	2021.41	4189.62	1113.48	4924.69	4599.03	4.94	-1.064	0.000	0.457 0.450
48.00	-39.28	-29.51	0.00	-1961.9	0.00	1961.98	4202.72		4976.50	4637.78	5.40	-1.113	0.000	0.433
50.00	-38.64	-29.31	0.00	-1902.9	0.00	1902.96	4180.63	1109.50	4889.52	4572.63	5.87	-1.113	0.000	
52.00	-38.02	-29.12	0.00	-1844.3	0.00	1844.33	4158.28	1099.67	4803.31	4507.62	6.37	-1.210	0.000	0.426
54.00	-37.40	-28.92	0.00	-1786.1	0.00	1786.10	4135.67	1089.85	4717.86	4442.77	6.89	-1.257	0.000	0.419
56.00	-36.78	-28.71	0.00	-1728.2	0.00	1728.27	4112.79	1080.02	4633.18	4378.08	7.43	-1.304		0.412
58.00	-36.17	-28.51	0.00	-1670.8	0.00	1670.84	4089.65	1070.20	4549.27	4313.56	7.43	-1.351	0.000 0.000	0.404
60.00	-35.56	-28.31	0.00	-1613.8	0.00	1613.82	4066.25	1060.37	4466.12	4249.22	8.56	-1.397		0.397
62.00	-34.96	-28.10	0.00	-1557.2	0.00	1557.21	4042.59	1050.55	4383.75	4185.07	9.15	-1.39 <i>1</i> -1.443	0.000	0.389
64.00	-34.37	-27.90		-1501.0	0.00	1501.01	4018.67	1040.72	4302.13	4121.10	9.13		0.000	0.381
66.00	-33.78	-27.69		-1445.2	0.00	1445.22	3994.48	1030.90	4221.29	4057.34	10.40	-1.488	0.000	0.373
68.00	-33.19	-27.48		-1389.8	0.00	1389.84	3970.03	1021.07	4141.21	3993.79		-1.533	0.000	0.365
70.00	-32.61	-27.27		-1334.8	0.00	1334.88	3945.32	1021.07	4061.90	3930.45	11.06	-1.578	0.000	0.357
72.00	-32.03	-27.06		-1280.3	0.00	1280.34	3920.35	1001.42	3983.36		11.73	-1.622	0.000	0.349
74.00		-26.85		-1226.2	0.00	1226.22	3895.11			3867.33	12.42	-1.666	0.000	0.340
76.00	-30.90			-1172.5	0.00	1172.51	3869.62	991.60	3905.58	3804.45	13.12	-1.709	0.000	0.331
78.00		-26.43		-1119.2	0.00	1119.23	3843.86		3828.57		13.85	-1.751	0.000	0.322
80.00		-26.22		-1066.3	0.00	1066.37		971.95	3752.32	3679.40	14.59	-1.793	0.000	0.313
82.00		-26.01		-1013.9	0.00	1013.93	3817.84	962.12		3617.26	15.35	-1.834	0.000	0.303
84.00	-28.69			-961.92	0.00	961.92	3791.55	952.30	3602.14	3555.38	16.13	-1.874	0.000	0.294
85.00	-28.42			-936.13	0.00	936.13	3765.01	942.47	3528.19	3493.76	16.92	-1.914	0.000	0.284
86.00	-27.97			-930.13 -910.45	0.00		3751.64	937.56	3491.51	3463.06	17.33	-1.933	0.000	0.279
55.00	21.01	20.00	0.00	-310.40	0.00	910.45	3738.20	932.65	3455.02	3432.43	17.73	-1.952	0.000	0.273

Calculated Forces TIA-222-H Code: CT11560-A Structure: **Exposure:** В Sterling 6 CT Site Name:

Crest Height: 0.00 140.00 (ft) Height: D - Stiff Soil Site Class: 0.000 (ft) Base Elev:

116.00

118.00

120.00

122.00

124.00

126.00

128.00

130.00

132.00

134.00

135.00

136.00

137.00

138.00

140.00

-17.73

-17.34

-11.75

-11.38

-11.02

-10.66

-10.31

-6.08

-5.54

-5.01

-4.75

-4.63

-0.32

-0.21

0.00

-19 11

-13.59

-13.38

-13.17

-12.97

-12.76

-6.51

-6.29

-6.08

-5.98

-5.88

-0.29

-0.19

-0.18

0.00

0.00

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0.00

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0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

-214.16

-175.94

-148.77

-122.01

-95.67

-69.74

-44.22

-31.21

-18.62

-12.53

-6.55

-0.67

-0.38

0.00

0.00

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0.00

Page: 20 Struct Class: -11 Topography: 1 1.1 Gh: 0.263 18.56 -1.990 0.000 3371.38 922.82 3382.61 859.30 3711.13 -859.30 0.00 0.00 -25.35 88.00 -27.07 0.000 0.252 3310.62 19.40 -2.027913.00 3310.96 808.61 3683.80 -25.11 0.00 -808.61 0.00 -26.1890.00 0.307 2636.38 19.83 -2.045 0.000 2816.54 2899.19 768.71 783.49 -25.74 -25.00 0.00-783.49 0.00 91.00 0.300 -2.0620.000 2786.62 2613.82 20.26 2889.87 764.61 758.49 0.00 92.00 -25.51 -24.900.00 -758.49 0.286 0.000 21.13 -2.1022727.26 2568.78 756.42 0.00 708.70 2871.03 -708.70 0.00 94.00 -25.06-24.680.277 0.000 2546.31 21.57 -2.121752.33 2697.82 2861.52 684.02 0.00 -684.02 -21.54 0.00 95.00 -22.160.271 0.000 -2.14022.02 748.24 2668.54 2523.87 2851.93 662.48 -662.48 0.00 0.00 -21.93 -21.44 96.00 -2.177 0.000 0.258 22.93 2610.46 2479.11 2832.57 740.05 0.00 619.59 -619.59 0.00 98.00 -21.49 -21.23 23.85 -2.212 0.000 0.245 731.86 2553.02 2434.50 2812.95 577.14 0.00 -577.14 0.00 -21.01 100.00 -21.052390.05 24.78 -2.246 0.000 0.232 723.67 2496.22 2793.07 535.11 -535.11 0.00 -20.80 0.00 -20.62 102.00 0.218 -2.2780.000 2440.06 2345.77 25.73 2772.92 715.49 493.51 -20.20 -20.590.00 -493.51 0.00 104.00 0.205 -2.3090.000 2301.65 26.69 2384.53 452.33 2752.51 707.30 0.00 0.00 -452.33 106.00 -19.77 -20.380.190 27.66 -2.3390.000 2329.65 2257.73 699.11 411.58 2731.84 0.00 -411.58 0.00 -19.36 -20.16108.00 0.176 0.000 -2.366690.92 2275.40 2213.98 28.65 371.25 2710.91 0.00 0.00 -371.25-19.95110.00 -18.940.000 0.160 -2.392 2221.79 2170.44 29.65 682.74 2689.71 0.00 331.35 0.00 -331.35 -18.54 -19.74112.00 -2.415 0.000 0.145 30.65 2168.82 2127.10 2668.26 674.55 -291.87 0.00 291.87 0.00114.00 -18.13 -19.530.129 31.67 -2.4360.000 666.36 2116.50 2083.97 2646.54 0.00 252.80 0.00 -252.80 -19.32

2624.55

2602.31

2579.81

2557.04

2534.01

2510.72

2487.16

2463.34

2439.27

1824.83

1817.10

1809.31

1801.45

1785.54

214.16

175.94

148.77

122.01

95.67

69.74

44.22

31.21

18.62

12.53

6.55

0.67

0.38

0.00

658.18

649.99

641.80

633.61

625.43

617.24

609.05

600.86

592.68

478.70

475.42

472.15

468.87

462.32

2064.81

2013.75

1963.34

1913.57

1864.44

1815.94

1768.08

1720.87

1674.29

1365.31

1346.69

1328.20

1309.84

1273.50

2041.07

1998.39

1955.94

1913.74

1871.79

1830.10

1788.67

1747.52

1706.65

1291.47

1277.14

1262.84

1248.56

1220.12

7/10/2023

32.70

33.73

34.77

35.81

36.86

37.91

38.97

40.03

41.08

41.61

42.14

42.67

43.20

44.26

-2.455

-2.472

-2.486

-2.498

-2.508

-2.516

-2.522

-2.526

-2.529

-2.530

-2.530

-2.531

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0.112

0.093

0.081

0.068

0.056

0.043

0.027

0.020

0.013

0.012

0.008

0.001

0.000

0.000

Wind Loading - Shaft

Structure: CT11560-A

Site Name: Sterling 6 CT Height: 140.00 (ft)

Base Elev: 0.000 (ft)

Gh:

1.1

Code:

TIA-222-H

Exposure:

В Crest Height: 0.00

Site Class:

D - Stiff Soil

Struct Class: ||

7/10/2023



Load Case: 0.9D + 1.0W 124 mph Wind

Dead Load Factor

0.90

Topography: 1

Wind Load Factor

1.00



Page: 21

Iterations

22

Tot

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	0.70	25.667	28.23	560.70	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
2.00		1.00	0.70	25.667	28.23	556.61	0.730	0.000		10.876	7.94	224.2	0.0	542.9
4.00		1.00	0.70	25.667	28.23	552.52	0.730	0.000		10.796	7.88	222.5	0.0	538.9
6.00		1.00	0.70	25.667	28.23	548.44	0.730	0.000		10.717	7.82	220.9	0.0	534.9
8.00		1.00	0.70	25.667	28.23	544.35	0.730	0.000	2.00	10.637	7.77	219.2	0.0	530.9
10.00		1.00	0.70	25.667	28.23	540.26	0.730	0.000		10.558	7.71	217.6	0.0	526.9
12.00		1.00	0.70	25.667	28.23	536.17	0.730	0.000	2.00	10.478	7.65	216.0	0.0	522.9
14.00		1.00	0.70	25.667	28.23	532.08	0.730	0.000		10.398	7.59	214.3	0.0	518.9
16.00		1.00	0.70	25.667	28.23	527.99	0.730	0.000		10.319	7.53	212.7	0.0	514.8
18.00		1.00	0.70	25.667	28.23	523.90	0.730	0.000		10.239	7.47	211.0	0.0	510.8
20.00		1.00	0.70	25.667	28.23	519.81	0.730	0.000		10.160	7.42	209.4	0.0	506.8
22.00		1.00	0.70	25.667	28.23	515.72	0.730	0.000		10.080	7.36	207.8	0.0	502.8
24.00		1.00	0.70	25.667	28.23	511.64	0.730	0.000		10.000	7.30	206.1	0.0	498.8
25.00 To	p - Section 1	1.00	0.70	25.667	28.23	509.59	0.730	0.000	1.00	4.970	3.63	102.4	0.0	247.9
26.00		1.00	0.70	25.667	28.23	507.55	0.730	0.000	1.00	4.950	3.61	102.0	0.0	211.9
28.00		1.00	0.70	25.667	28.23	503.46	0.730	0.000	2.00	9.841	7.18	202.8	0.0	421.2
30.00		1.00	0.70	25.689	28.26	499.58	0.730	0.000	2.00	9.762	7.13	201.4	0.0	417.8
32.00		1.00	0.71	26.167	28.78	500.08	0.730	0.000	2.00	9.682	7.07	203.4	0.0	414.3
34.00		1.00	0.73	26.624	29.29	500.26	0.730	0.000	2.00	9.602	7.01	205.3	0.0	410.9
36.00		1.00	0.74	27.062	29.77	500.17	0.730	0.000	2.00	9.523	6.95	206.9	0.0	407.5
38.00		1.00	0.75	27.484	30.23	499.82	0.730	0.000	2.00	9.443	6.89	208.4	0.0	404.0
40.00		1.00	0.76	27.889	30.68	499.23	0.730	0.000	2.00	9.364	6.84	209.7	0.0	400.6
41.00 Bo	t - Section 3	1.00	0.77	28.087	30.90	498.85	0.730	0.000	1.00	4.652	3.40	104.9	0.0	199.0
42.00		1.00	0.77	28.281	31.11	498.43	0.730	0.000	1.00	4.696	3.43	106.6	0.0	399.1
44.00		1.00	0.78	28.659	31.53	497.43	0.730	0.000	2.00	9.331	6.81	214.7	0.0	793.0
46.00		1.00	0.79	29.026	31.93	496.25	0.730	0.000	2.00	9.252	6.75	215.6	0.0	786.1
48.00 To	p - Section 2	1.00	0.80	29.381	32.32	494.90	0.730	0.000	2.00	9.172	6.70	216.4	0.0	779.3
50.00		1.00	0.81	29.725	32.70	500.41	0.730	0.000	2.00	9.093	6.64	217.0	0.0	388.9
52.00		1.00	0.82	30.060	33.07	498.80	0.730	0.000	2.00	9.013	6.58	217.6	0.0	385.5
54.00		1.00	0.83	30.386	33.42	497.05	0.730	0.000	2.00	8.933	6.52	218.0	0.0	382.1
56.00		1.00	0.84	30.704	33.77	495.17	0.730	0.000	2.00	8.854	6.46	218.3	0.0	378.6
58.00		1.00	0.85	31.013	34.11	493.16	0.730	0.000	2.00	8.774	6.41	218.5	0.0	375.2
60.00		1.00	0.85	31.315	34.45	491.04	0.730	0.000	2.00	8.694	6.35	218.6	0.0	371.8
62.00		1.00	0.86	31.610	34.77	488.81	0.730	0.000	2.00	8.615	6.29	218.7	0.0	368.4
64.00		1.00	0.87	31.898	35.09	486.47	0.730	0.000	2.00	8.535	6.23	218.6	0.0	364.9
66.00		1.00	88.0	32.179	35.40	484.03	0.730	0.000	2.00	8.456	6.17	218.5	0.0	361.5
68.00		1.00	0.89	32.455	35.70	481.51	0.730	0.000	2.00	8.376	6.11	218.3	0.0	358.1
70.00		1.00	0.89	32.725	36.00	478.89	0.730	0.000	2.00	8.296	6.06	218.0	0.0	354.6
72.00		1.00	0.90	32.989	36.29	476.18	0.730	0.000	2.00	8.217	6.00	217.7	0.0	351.2
74.00		1.00	0.91	33.249	36.57	473.40	0.730	0.000	2.00	8.137	5.94	217.3	0.0	347.8
76.00		1.00	0.91	33.503	36.85	470.53	0.730	0.000	2.00	8.058	5.88	216.8	0.0	344.4
78.00		1.00	0.92	33.752	37.13	467.59	0.730	0.000	2.00	7.978	5.82	216.2	0.0	340.9
80.00		1.00	0.93	33.997	37.40	464.58	0.730	0.000	2.00	7.898	5.77	215.6	0.0	337.5
82.00		1.00	0.93	34.238	37.66	461.50	0.730	0.000	2.00	7.819	5.71	215.0	0.0	334.1
84.00		1.00	0.94	34.475	37.92	458.35	0.730	0.000	2.00	7.739	5.65	214.2	0.0	330.6
,	- Section 4	1.00	0.94	34.591	38.05	456.75	0.730	0.000	1.00	3.840	2.80	106.7	0.0	164.0
86.00		1.00	0.95	34.707	38.18	455.14	0.730	0.000	1.00	3.873	2.83	107.9	0.0	301.2

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Wind Loading - Shaft

7/10/2023 TIA-222-H Code: CT11560-A Structure:

Exposure: В Site Name: Sterling 6 CT Crest Height: 0.00 140.00 (ft) Height:

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



Gh: 1.1		Topography:	1	Str	uct Cl	ass: II				Page: 22		
88.00	1.00	0.95 34.936	38.43	451.87	0.730	0.000	2.00	7.686	5.61	215.6	0.0	597.8
90.00	1.00	0.96 35.161	38.68	448.54	0.730	0.000	2.00	7.606	5.55	214.8	0.0	591.5
91.00 Top - Section 3	1.00		38.80	446.85	0.730	0.000	1.00	3.773	2.75	106.9	0.0	293.4
92.00	1.00	0.96 35.382	38.92	451.52	0.730	0.000	1.00	3.753	2.74	106.6	0.0	133.8
94.00	1.00	0.97 35.601	39.16	448.10	0.730	0.000	2.00	7.447	5.44	212.9	0.0	265.4
95,00 Appurtenance(s)	1.00	0.97 35.708	39.28	446.36	0.730	0.000	1.00	3.694	2.70	105.9	0.0	131.6
96.00	1.00	0.98 35.815	39.40	444.62	0.730	0.000	1.00	3.674	2.68	105.7	0.0	130.9
98.00	1.00	0.98 36.027	39.63	441.08	0.730	0.000	2.00	7.288	5.32	210.8	0.0	259.7
100.00	1.00	0.99 36.236	39.86	437.50	0.730	0.000	2.00	7.208	5.26	209.7	0.0	256.9
102.00	1.00	0.99 36.441	40.09	433.87	0.730	0.000	2.00	7.129	5.20	208.6	0.0	254.0
104.00	1.00	1.00 36.644	40.31	430.19	0.730	0.000	2.00	7.049	5.15	207.4	0.0	251.1
106.00	1.00	1.00 36.844	40.53	426.46	0.730	0.000	2.00	6.969	5.09	206.2	0.0	248.3
108.00	1.00	1.01 37.041	40.75	422.69	0.730	0.000	2.00	6.890	5.03	204.9	0.0	245.4 242.6
110.00	1.00	1.02 37.236	40.96	418.87	0.730	0.000	2.00	6.810	4.97	203.6	0.0	242.6
112.00	1.00	1.02 37.428	41.17	415.02	0.730	0.000	2.00	6.731	4.91	202.3	0.0	236.8
114.00	1.00	1.03 37.618	41.38	411.12	0.730	0.000	2.00	6.651	4.86	200.9	0.0	234.0
116.00	1.00	1.03 37.805	41.59	407.18	0.730	0.000	2.00	6.571	4.80	199.5	0.0	231.1
118.00	1.00	1.04 37.990	41.79	403.20	0.730	0.000	2.00	6.492	4.74	198.0	0.0	228.3
120.00 Appurtenance(s)	1.00	1.04 38.173	41.99	399.18	0.730	0.000	2.00	6.412	4.68	196.6	0.0	225.4
122.00	1.00	1.05 38.354	42.19	395.13	0.730	0.000	2.00	6.333	4.62	195.0	0.0	223.4
124.00	1.00	1.05 38.532	42.39	391.04	0.730	0.000	2.00	6.253	4.56	193.5	0.0	219.7
126.00	1.00	1.06 38.709	42.58	386.91	0.730	0.000	2.00	6.173	4.51	191.9	0.0	216.8
128.00	1.00	1.06 38.884	42.77	382.75	0.730	0.000	2.00	6.094	4.45	190.3	0.0	214.0
130.00 Bot - Section 5	1.00	1.07 39.056	42.96	378.55	0.730	0.000	2.00	6.014	4.39	188.6		382.8
132.00	1.00	1.07 39.227	43.15	374.33	0.730	0.000	2.00	6.019	4.39	189.6	0.0	377.6
134.00	1.00	1.07 39.396	43.34	370.06	0.730	0.000	2.00	5.940	4.34	187.9		186.9
135.00 Top - Section 4	1.00	1.08 39.480	43.43	367.92	0.730	0.000	1.00	2.940	2.15	93.2	0.0 0.0	83.2
136.00	1.00	1.08 39.563	43.52	371.17	0.730	0.000	1.00	2.920	2.13	92.8	0.0	82.7
137.00 Appurtenance(s)	1.00	1.08 39.646	43.61	369.02	0.730	0.000	1.00	2.900	2.12	92.3	0.0	82.1
138.00	1.00	1.08 39.728	43.70	366.86	0.730	0.000	1.00	2.880	2.10	91.9	0.0	162.5
140.00	1.00	1.09 39.892	43.88	362.51	0.730	0.000	2.00	5.701	4.16	182.6	0.0	
						Totals:	140.00			14,616.4		27,012.8

Discrete Appurtenance Forces

Structure: CT11560-A Code: TIA-222-H 7/10/2023

Site Name: Sterling 6 CT Exposure: В Height: 140.00 (ft) Crest Height: 0.00

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

Gh: Topography: 1 Struct Class: !! Page: 23

SBA

Load Case: 0.9D + 1.0W 124 mph Wind

Dead Load Factor 0.90 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	137.00	Low Profile Platform	1	39.646	43.610	1.00	1.00	22.00	1350.00	0.000	0.000	959.43	0.00	0.00
2	137.00	Antel BXA-70063-6CF-2	3	39.646	43.610	0.58	0.75	13.12	45.90	0.000	0.000	571.95	0.00	0.00
3	137.00	JAHH-65B-R3B	6	39.646	43.610	0.62	0.75	47.85	433.08	0.000	0.000	2086.56	0.00	0.00
4	137.00	Samsung B5/B13	3	39.646	43.610	0.58	0.75	3.26	189.81	0.000	0.000	142.04	0.00	0.00
5	137.00	Samsung B2/B66A	3	39.646	43.610	0.62	0.75	3.51	227.88	0.000	0.000	153.11	0.00	0.00
6	137.00	Kaelus BSF0020F3V1-1	4	39.646	43.610	0.49	0.75	1.87	63.36	0.000	0.000	81.64	0.00	0.00
7	137.00	(3) Stabilizer Kit (4' FW)	1	39.646	43.610	1.00	1.00	3.70	126.00	0.000	0.000	161.36	0.00	0.00
8	137.00	MT6407-77A	3	39.646	43.610	0.52	0.75	7.40	235.17	0.000	0.000	322.83	0.00	0.00
9	137.00	Commscope	3	39.646	43.610	0.66	0.75	0.73	28.08	0.000	0.000	31.95	0.00	0.00
10	137.00	Raycap OVP-12	1		43.610	0.66	0.75	2.68	28.80	0.000	0.000	116.86	0.00	0.00
11	137.00	(3) HR w/ Double V-Brace	1	39.646	43.610	1.00	1.00	15.50	585.00	0.000	0.000	675.96	0.00	0.00
12	130.00	HRK12 (Handrail Kit)	1	39.056	42.962	1.00	1.00	10.00	235.55	0.000	0.000	429.62	0.00	0.00
13	130.00	HPA-65R-BU8AA	3	39.056	42.962	0.65	0.75	21.73	145.80	0.000	0.000	933.56	0.00	0.00
14	130.00	DMP65R-BU8DA	3	39.056	42.962	0.55	0.75	29.35	258.39	0.000	0.000	1260.99	0.00	0.00
15	130.00	RRUS 4449 B5/B12	3	39.056	42.962	0.68	0.75	3.32	197.10	0.000	0.000	142.68	0.00	0.00
16	130.00	LGP17201	6	39.056	42.962	0.50	0.75	5.04	54.00	0.000	0.000	216.31	0.00	0.00
17	130.00	RRUS 8843 B2 B66A	3	39.056	42.962	0.68	0.75	3.36	194.40	0.000	0.000	144.26	0.00	0.00
18	130.00	Low Profile Platform	1	39.056	42.962	1.00	1.00	22.00	1350.00	0.000	0.000	945.16	0.00	0.00
19	130.00	DC6-48-60-18-8F	1	39.056	42.962	0.60	0.75	2.22	29.52	0.000	0.000	95.38	0.00	0.00
20	130.00	Powerwave LGP21401 -	6	39.056	42.962	0.53	0.75	2.62	94.50	0.000	0.000	112.56	0.00	0.00
21	130.00	7770.00	6	39.056	42.962	0.58	0.75	19.09	145.80	0.000	0.000	820.23	0.00	0.00
22	130.00	15'x2.875"mount pipe	3	39.056	42.962	1.00	1.00	12.93	234.90	0.000	0.000	555.50	0.00	0.00
23	130.00	Powerwave LGP21901 -	6	39.056	42.962	0.50	0.75	5.04	167.40	0.000	0.000	216.31	0.00	0.00
24	120.00	PRK-1245 (kicker kit)	1	38.173	41.990	1.00	1.00	9.50	418.42	0.000	0.000	398.91	0.00	0.00
25	120.00	APX16DWV-16DWVS-E-A	3	38.173	41.990	0.50	0.75	9.74	109.89	0.000	0.000	408.92	0.00	0.00
26	120.00	APXVAA4L24-43-U-NA20	3	38.173	41.990	0.54	0.75	32.79	331.56	0.000	0.000	1376.82	0.00	0.00
27	120.00	AIR6449 B41	3	38.173	41.990	0.53	0.75	9.03	278.10	0.000	0.000	379.00	0.00	0.00
28	120.00	LP-RMQP-4096-HK Plat	1	38.173	41.990	1.00	1.00	51.70	2402.10	0.000	0.000	2170.91	0.00	0.00
29	120.00	4460 B25 + B66	3	38.173	41.990	0.67	0.75	4.29	280.80	0.000	0.000	179.94	0.00	0.00
30	120.00	4480 B71 + B85	3	38.173	41.990	0.56	0.75	4.08	251.10	0.000	0.000	171.48	0.00	0.00
31	95.00	Raycap	1	35.708	39.279	1.00	1.00	2.01	19.71	0.000	0.000	78.95	0.00	0.00
32	95.00	Fujitsu TA08025-B605	3	35.708	39.279	0.50	0.75	2.95	202.50	0.000	0.000	116.06	0.00	0.00
33		Fujitsu TA08025-B604	3	35.708		0.50	0.75	2.95	172.53	0.000	0.000	116.06	0.00	0.00
34		Commscope	3	35.708		0.55	0.75	20.15	191.16	0.000	0.000	791.61	0.00	0.00
35		MC-PK10-DSH	1	35.708		1.00	1.00	46.50	1502.37	0.000	0.000	1826.48	0.00	0.00
									. 502.01	0.000	0.000	, 520.70	0.00	0.00

Totals: 12,580.68 19,191.39

Total Applied Force Summary

Structure: CT11560-A

Code:

TIA-222-H

7/10/2023

Site Name: Sterling 6 CT

Exposure:

Height:

Gh:

, 140.00 (ft)

Crest Height: 0.00

SBA

Base Elev: 0.000 (ft)

Topography: 1 1.1

Site Class: Struct Class: ||

D - Stiff Soil

В

Page: 24

Load Case: 0.9D + 1.0W 124 mph Wind

Dead Load Factor

0.90

Wind Load Factor

1.00



Iterations

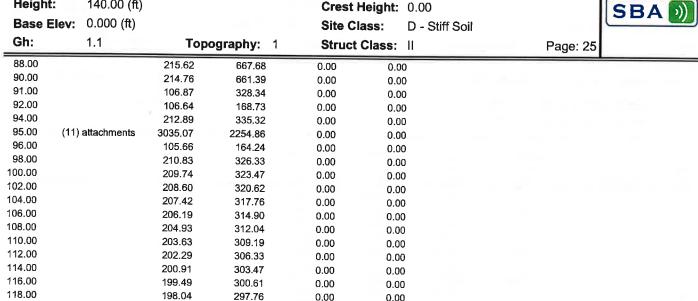
22

		Lateral	Axial	Torsion MY	Moment MZ		
Elev (ft)	Description	FX (-) (lb)	FY (-) (lb)	(lb-ft)	(lb-ft)		
	5000115	0.00	0.00	0.00	0.00		
0.00 2.00		224.16	612.75	0.00	0.00		
4.00		222.52	608.75	0.00	0.00		
		220.88	604.75	0.00	0.00		
6.00		219.24	600.75	0.00	0.00		
8.00		217.60	596.75	0.00	0.00		
10.00		215.96	592.75	0.00	0.00		
12.00		214.32	588.75	0.00	0.00		
14.00		212.68	584.75	0.00	0.00		
16.00		211.04	580.75	0.00	0.00		
18.00		209.40	576.75	0.00	0.00		
20.00		207.75	572.75	0.00	0.00		
22.00		206.11	568.75	0.00	0.00		
24.00		102.44	282.87	0.00	0.00		
25.00		102.44	246.83	0.00	0.00		
26.00			491.08	0.00	0.00		
28.00		202.83	487.65	0.00	0.00		
30.00		201.36	484.22	0.00	0.00		
32.00		203.44	480.79	0.00	0.00		
34.00		205.29	477.37	0.00	0.00		
36.00		206.94		0.00	0.00		
38.00		208.40	473.94 470.51	0.00	0.00		
40.00		209.70	470.51	0.00	0.00		
41.00		104.92	233.97	0.00	0.00		
42.00		106.63	434.01	0.00	0.00		
44.00		214.74	862.87	0.00	0.00		
46.00		215.63	856.01	0.00	0.00		
48.00		216.39	849.15	0.00	0.00		
50.00		217.03	458.83	0.00	0.00		
52.00		217.56	455.40		0.00		
54.00		217.97	451.97	0.00	0.00		
56.00		218.29	448.54	0.00	0.00		
58.00		218.50	445.12	0.00	0.00		
60.00		218.63	441.69	0.00			
62.00		218.67	438.26	0.00	0.00		
64.00		218.62	434.83	0.00	0.00		
66.00		218.49	431.40	0.00	0.00		
68.00		218.29	427.97	0.00	0.00		
70.00		218.02	424.54	0.00	0.00		
72.00		217.67	421.11	0.00	0.00		
74.00		217.25	417.68	0.00	0.00		
76.00		216.77	414.26	0.00	0.00		
78.00		216.23	410.83	0.00	0.00		
80.00		215.63	407.40	0.00	0.00		
82.00		214.97	403.97	0.00	0.00		
84.00		214.25	400.54	0.00	0.00		
85.00		106.66	198.98	0.00	0.00		
86.00		107.93	336.20	0.00	0.00		

Total Applied Force Summary

Structure: CT11560-A Code: TIA-222-H 7/10/2023

Site Name: Sterling 6 CT Exposure: В Height: 140.00 (ft) Crest Height: 0.00



0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

5282.53

195.03

193.48

191.89

190.27

6061.18

33,807.79

120.00

122.00

124.00

126.00

128.00

130.00

(17) attachments

(42) attachments

Totals:

297.76

278.54

275.68

272.83

269.97

3374.47

44,112.64

4366.87

CT11560-A Structure:

Code:

TIA-222-H

D - Stiff Soil

7/10/2023

Site Name: Sterling 6 CT

Exposure: В

Height:

Gh:

140.00 (ft)

Crest Height: 0.00

SBA

22

Base Elev: 0.000 (ft)

1.1

Topography: 1

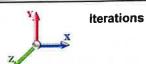
Struct Class: ||

Site Class:

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Load Case: 0.9D + 1.0W 124 mph Wind

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



Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (Ib)
2.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.015	0.000	25.667	0.00	0.49
2.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.015	0.000	25.667	0.00	3.74
4.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.016	0.000	25.667	0.00	0.49
4.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.016	0.000	25.667	0.00	3.74
6.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.016	0.000	25.667	0.00	0.49
6.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.016	0.000	25.667	0.00	3.74
8.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.016	0.000	25.667	0.00	0.49
8.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.016	0.000	25.667	0.00	3.74
10.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.016	0.000	25.667	0.00	0.49
10.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.016	0.000	25.667	0.00	3.74
	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.016	0.000	25.667	0.00	0.49
12.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.016	0.000	25.667	0.00	3.74
12.00	•	Yes	2.00	0.000	0.38	0.06	0.00	0.016	0.000	25.667	0.00	0.49
14.00	Safety Cable	Yes	2.00	0.000	0.63	0.10	0.00	0.016	0.000	25.667	0.00	3.74
14.00	Step bolts (ladder)	Yes	2.00	0.000	0.38	0.06	0.00	0.016	0.000	25.667	0.00	0.49
16.00	Safety Cable	Yes	2.00	0.000	0.63	0.10	0.00	0.016	0.000	25.667	0.00	3.74
16.00	Step bolts (ladder)		2.00	0.000	0.38	0.06	0.00	0.016	0.000	25.667	0.00	0.49
18.00	Safety Cable	Yes	2.00	0.000	0.63	0.10	0.00	0.016	0.000	25.667	0.00	3.74
18.00	Step bolts (ladder)	Yes	2.00	0.000	0.38	0.06	0.00	0.017	0.000	25.667	0.00	0.49
20.00	Safety Cable	Yes	2.00	0.000	0.63	0.10	0.00	0.017	0.000	25.667	0.00	3.74
20.00	Step bolts (ladder)	Yes	2.00	0.000	0.38	0.06	0.00	0.017	0.000	25.667	0.00	0.49
22.00	Safety Cable	Yes			0.63	0.10	0.00	0.017	0.000	25.667	0.00	3.74
22.00	Step bolts (ladder)	Yes	2.00	0.000	0.38	0.16	0.00	0.017	0.000	25.667	0.00	0.49
24.00	Safety Cable	Yes	2.00	0.000	0.63	0.00	0.00	0.017	0.000	25.667	0.00	3.74
24.00	Step bolts (ladder)	Yes	2.00	0.000		0.10	0.00	0.017	0.000	25.667	0.00	0.28
25.00	Safety Cable	Yes	1.00	0.000	0.38	0.05	0.00	0.017	0.000	25.667	0.00	1.87
25.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.03	0.00	0.017	0.000	25.667	0.00	0.25
26.00	Safety Cable	Yes	1.00	0.000	0.38	0.05	0.00	0.017	0.000	25.667	0.00	1.8
26.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.017	0.000	25.667	0.00	0.49
28.00	Safety Cable	Yes	2.00	0.000	0.38			0.017	0.000	25.667	0.00	3.74
28.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.017	0.000	25.689	0.00	0.49
30.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.017	0.000	25.689	0.00	3.74
30.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00			26.167	0.00	0.49
32.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.017	0.000	26.167	0.00	3.74
32.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.017	0.000		0.00	0.49
34.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.018	0.000	26.624	0.00	3.74
34.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.018	0.000	26.624		0.49
36.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.018	0.000	27.062	0.00	3.74
36.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.018	0.000	27.062	0.00	
38.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.018	0.000	27.484	0.00	0.49
	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.018	0.000	27.484	0.00	3.74
	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.018	0.000	27.889	0.00	0.49
	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.018	0.000	27.889	0.00	3.74
	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.018	0.000	28.087	0.00	0.2
	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.018	0.000	28.087	0.00	1.8
	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.018	0.000	28.281	0.00	0.2
	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.018	0.000	28.281	0.00	1.87
	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.018	0.000	28.659	0.00	0.49

Structure: CT11560-A Code: TIA-222-H 7/10/2023

Site Name: Sterling 6 CT Exposure: В Height: 140.00 (ft) Crest Height: 0.00

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

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

Load Case: 0.9D + 1.0W 124 mph Wind

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



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Iterations

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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)
44.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.018	0.000	28.659	0.00	3.74
46.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.018	0.000	29.026	0.00	0.49
46.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.018	0.000	29.026	0.00	3.74
48.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.019	0.000	29.381	0.00	0.49
48.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	29.381	0.00	3.74
50.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.019	0.000	29.725	0.00	0.49
50.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	29.725	0.00	3.74
52.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.019	0.000	30.060	0.00	0.49
52.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	30.060	0.00	3.74
54.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.019	0.000	30.386	0.00	0.49
54.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	30.386	0.00	3.74
56.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.019	0.000	30.704	0.00	0.49
56.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	30.704	0.00	3.74
58.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.019	0.000	31.013	0.00	0.49
58.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	31.013	0.00	3.74
60.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.019	0.000	31.315	0.00	0.49
60.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	31.315	0.00	3.74
62.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.020	0.000	31.610	0.00	0.49
62.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.020	0.000	31.610	0.00	3.74
64.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.020	0.000	31.898	0.00	0.49
64.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.020	0.000	31.898	0.00	3.74
66.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.020	0.000	32.179	0.00	0.49
66.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.020	0.000	32.179	0.00	3.74
68.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.020	0.000	32.455	0.00	0.49
68.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.020	0.000	32.455	0.00	3.74
70.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.020	0.000	32.725	0.00	0.49
70.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.020	0.000	32.725	0.00	3.74
72.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.020	0.000	32.989	0.00	0.49
72.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.020	0.000	32.989	0.00	3.74
74.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.021	0.000	33.249	0.00	0.49
74.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.021	0.000	33.249	0.00	3.74
76.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.021	0.000	33.503	0.00	0.49
76.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.021	0.000	33.503	0.00	3.74
78.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.021	0.000	33.752	0.00	0.49
78.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.021	0.000	33.752	0.00	3.74
80.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.021	0.000	33.997	0.00	0.49
80.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.021	0.000	33.997	0.00	3.74
82.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.022	0.000	34.238	0.00	0.49
82.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.022	0.000	34.238	0.00	3.74
84.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.022	0.000	34.475	0.00	0.49
84.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.022	0.000	34.475	0.00	3.74
85.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.022	0.000	34.591	0.00	0.25
85.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.022	0.000	34.591	0.00	1.87
86.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.022	0.000	34.707	0.00	0.25
86.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.022	0.000	34.707	0.00	1.87
88.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.022	0.000	34.936	0.00	0.49
88.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.022	0.000	34.936	0.00	3.74

CT11560-A Structure:

Code:

TIA-222-H

7/10/2023

Site Name: Sterling 6 CT

Exposure: В

Height:

140.00 (ft)

Crest Height: 0.00

Site Class: D - Stiff Soil SBA

Base Elev: 0.000 (ft) Gh:

1.1

Topography: 1

Struct Class: ||

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Iterations

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Load Case: 0.9D + 1.0W 124 mph Wind

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

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
90.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.022	0.000	35.161	0.00	0.49
90.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.022	0.000	35.161	0.00	3.74
91.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.023	0.000	35.272	0.00	0.25
91.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.023	0.000	35.272	0.00	1.87
92.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.022	0.000	35.382	0.00	0.25
92.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.022	0.000	35.382	0.00	1.87
94.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.023	0.000	35.601	0.00	0.49
94.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.023	0.000	35.601	0.00	3.74
95.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.023	0.000	35.708	0.00	0.25
95.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.023	0.000	35.708	0.00	1.87
96.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.023	0.000	35.815	0.00	0.25
96.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.023	0.000	35.815	0.00	1.87
98.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.023	0.000	36.027	0.00	0.49
98.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.023	0.000	36.027	0.00	3.74
100.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.023	0.000	36.236	0.00	0.49
100.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.023	0.000	36.236	0.00	3.74
102.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.024	0.000	36.441	0.00	0.49
102.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.024	0.000	36.441	0.00	3.74
104.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.024	0.000	36.644	0.00	0.49
104.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.024	0.000	36.644	0.00	3.74
106.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.024	0.000	36.844	0.00	0.49
106.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.024	0.000	36.844	0.00	3.74
108.00		Yes	2.00	0.000	0.38	0.06	0.00	0.024	0.000	37.041	0.00	0.49
108.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.024	0.000	37.041	0.00	3.74
110.00		Yes	2.00	0.000	0.38	0.06	0.00	0.025	0.000	37.236	0.00	0.49
110.00		Yes	2.00	0.000	0.63	0.10	0.00	0.025	0.000	37.236	0.00	3.74
112.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.025	0.000	37.428	0.00	0.49
112.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.025	0.000	37.428	0.00	3.74
114.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.025	0.000	37.618	0.00	0.49
114.00		Yes	2.00	0.000	0.63	0.10	0.00	0.025	0.000	37.618	0.00	3.74
116.00		Yes	2.00	0.000	0.38	0.06	0.00	0.026	0.000	37.805	0.00	0.49
116.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.026	0.000	37.805	0.00	3.74
118.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.026	0.000	37.990	0.00	0.49
118.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.026	0.000	37.990	0.00	3.74
120.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.026	0.000	38.173	0.00	0.49
120.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.026	0.000	38.173	0.00	3.74
122.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.027	0.000	38.354	0.00	0.49
122.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.027	0.000	38.354	0.00	3.74
	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.027	0.000	38.532	0.00	0.49
	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.027	0.000	38.532	0.00	3.74
	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.027	0.000	38.709	0.00	0.49
	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.027	0.000	38.709	0.00	3.74
	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.028	0.000	38.884	0.00	0.49
	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.028	0.000	38.884	0.00	3.74
	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.028	0.000	39.056	0.00	0.49
	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.028	0.000	39.056	0.00	3.74
	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.028	0.000	39.227	0.00	0.49

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Structure: CT11560-A

Site Name: Sterling 6 CT Height: 140.00 (ft)

Base Elev: 0.000 (ft)

Gh:

Code:

TIA-222-H

Exposure: В

Crest Height: 0.00

Site Class: D - Stiff Soil

Struct Class: ||

7/10/2023

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SBA

Load Case: 0.9D + 1.0W 124 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)
132.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.028	0.000	39.227	0.00	3.74
134.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.029	0.000	39.396	0.00	0.49
134.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.029	0.000	39.396	0.00	3.74
135.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.029	0.000	39.480	0.00	0.25
135.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.029	0.000	39,480	0.00	1.87
136.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.029	0.000	39.563	0.00	0.25
136.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.029	0.000	39.563	0.00	1.87
137.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.029	0.000	39.646	0.00	0.25
137.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.029	0.000	39.646	0.00	1.87
138.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.029	0.000	39.728	0.00	0.25
138.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.029	0.000	39.728	0.00	1.87
140.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.030	0.000	39.892	0.00	0.49
140.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.030	0.000	39.892	0.00	3.74
									Tot	tals;	0.0	296.5

Structure: CT11560-A

Site Name: Sterling 6 CT

Height: 140.00 (ft)

Base Elev: 0.000 (ft)

Gh: 1.1

TIA-222-H Code:

Exposure: В Crest Height: 0.00

Site Class: D - Stiff Soil

Struct Class: ||

7/10/2023

SBA

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Load Case: 0.9D + 1.0W 124 mph Wind

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

Topography: 1



22 **Iterations** Total Rotation Rotation

Seg	Pu	Vu	Tu	Mu	Mu	Resultant Moment	phi Pn	phi Vn	phi Tn	phi Mn	Total Deflect	Rotation Sway	Rotation Twist	Stress
Elev	FY (-)	FX (-)	MY (-)	MZ (ft-kips)	MX (ft-kips)	(ft-kips)	(kips)	(kips)	(ft-kips)	(ft-kips)	(in)	(deg)	(deg)	Ratio
(ft)	(kips)		0.00	-3463.8	0.00	3463.86	5803.10	1561.17	8297.91	7657.05	0.00	0.000	0.000	0.460
0.00	-44.10	-33.82	0.00	-3396.2	0.00	3396.21	5778.21	1549.71	8176.51	7567.86	0.01	-0.042	0.000	0.457
2.00	-43.46	-33.63 -33.44	0.00	-3328.9	0.00	3328.95	5753.06	1538.25	8056.00	7478.80	0.04	-0.085	0.000	0.453
4.00	-42.83	-33.44	0.00	-3262.0	0.00	3262.07	5727.65	1526.78	7936.39	7389.90	0.08	-0.127	0.000	0.449
6.00	-42.20	-33.25	0.00	-3195.5	0.00	3195.57	5701.98	1515.32	7817.67	7301.16	0.14	-0.170	0.000	0.445
8.00	-41.57 -40.95	-32.87	0.00	-3129.4	0.00	3129.46	5676.04	1503.86	7699.85	7212.59	0.23	-0.212	0.000	0.442
10.00		-32.68	0.00	-3063.7	0.00	3063.72	5649.84	1492.40	7582.92	7124.20	0.32	-0.255	0.000	0.438
12.00	-40.34	-32.49	0.00	-2998.3	0.00	2998.35	5623.38	1480.93	7466.89	7035.98	0.44	-0.298	0.000	0.434
14.00	-39.73	-32.49	0.00	-2933.3	0.00	2933.36	5596.66	1469.47	7351.75	6947.96	0.58	-0.341	0.000	0.430
16.00	-39.12	-32.12	0.00	-2868.7	0.00	2868.75	5569.67	1458.01	7237.50	6860.14	0.73	-0.384	0.000	0.426
18.00	-38.51	-32.12	0.00	-2804.5	0.00	2804.51	5542.43	1446.55	7124.15	6772.52	0.90	-0.427	0.000	0.421
20.00	-37.92	-31.75	0.00	-2740.6	0.00	2740.63	5514.92	1435.08	7011.70	6685.11	1.09	-0.470	0.000	0.417
22.00	-37.32		0.00	-2677.1	0.00	2677.13	5487.15	1423.62	6900.13	6597.93	1.29	-0.513	0.000	0.413
24.00	-36.74	-31.56	0.00	-2645.5	0.00	2645.57	5473.16	1417.89	6844.69	6554.42	1.40	-0.534	0.000	0.411
25.00	-36.44	-31.47	0.00	-2645.5	0.00	2645.57	4407.37	1216.64	5879.49	5289.42	1.40	-0.534	0.000	0.509
25.00	-36.44	-31.47	0.00	-2614.0	0.00	2614.09	4397.65	1211.73	5832.10	5256.32	1.52	-0.556	0.000	0.506
26.00	-36.18	-31.39	0.00	-2551.3	0.00	2551.32	4378.03	1201.90	5737.91	5190.16	1.76	-0.606	0.000	0.500
28.00	-35.66	-31.21	0.00	-2488.8	0.00	2488.89	4358.14	1192.08	5644.49	5124.08	2.03	-0.656	0.000	0.494
30.00	-35.15	-31.04		-2426.8	0.00	2426.82	4338.00	1182.25	5551.83	5058.08	2.31	-0.706	0.000	0.488
32.00	-34.64	-30.86	0.00	-2420.6 -2365.1	0.00	2365.10	4317.58	1172.43	5459.94	4992.17	2.62	-0.756	0.000	0.482
34.00	-34.13	-30.68	0.00	-2303.7	0.00	2303.75	4296.91	1162.60	5368.81	4926.35	2.95	-0.806	0.000	0.476
36.00	-33.63	-30.49	0.00	-2303.7	0.00	2242.76	4275.98	1152.78	5278.46	4860.65	3.30	-0.856	0.000	0.470
38.00	-33.14	-30.31	0.00	-2242.7	0.00	2182.15	4254.78	1142.95	5188.87	4795.05	3.67	-0.906	0.000	0.463
40.00	-32.65	-30.11	0.00	-2152.0	0.00	2152.04	4244.08	1138.04	5144.36	4762.30	3,86	-0.931	0.000	0.460
41.00	-32.40	-30.02		-2122.0	0.00	2122.03	4233.32	1133.13	5100.04	4729.58	4.06	-0.956	0.000	0.457
42.00	-31.95	-29.92		-2122.0	0.00	2062.18	4211.60	1123.30	5011.98	4664.23	4.47	-1.005	0.000	0.450
44.00	-31.07	-29.72		-2002.1	0.00	2002.74	4189.62	1113.48		4599.03	4.90	-1.055	0.000	0.443
46.00	-30.19	-29.52		-1943.7	0.00	1943.71	4202.72	1119.32		4637.78	5.35	-1.104	0.000	0.427
48.00	-29.32	-29.31	0.00	-1885.1	0.00	1885.10	4180.63	1109.50	4889.52	4572.63	5.83	-1.153	0.000	0.420
50.00	-28.84	-29.11			0.00	1826.89	4158.28	1099.67	4803.31	4507.62	6.32	-1.200	0.000	0.413
52.00	-28.37	-28.90		-1826.8 -1769.0	0.00	1769.08	4135.67	1089.85	4717.86	4442.77	6.83	-1.247	0.000	0.406
54.00	-27.90	-28.70				1711.69	4112.79	1080.02	4633.18	4378.08	7.37	-1.293	0.000	0.398
56.00	-27.43	-28.49		-1711.6 -1654.7	0.00	1654.70	4089.65	1070.20	4549.27	4313.56	7.92	-1.339	0.000	0.391
58.00	-26.97	-28.28			0.00	1598.14	4066.25	1060.37	4466.12	4249.22	8.49	-1.385	0.000	0.383
60.00	-26.51	-28.08		-1598.1	0.00	1541.98	4042.59	1050.55	4383.75	4185.07	9.08	-1.430	0.000	0.376
62.00	-26.05	-27.87		-1541.9 -1486.2		1486.25	4018.67	1040.72	4302.13	4121.10	9.69	-1.475	0.000	0.368
64.00	-25.60	-27.66				1430.93	3994.48	1030.90	4221.29	4057.34	10.32	-1.520	0.000	0.360
66.00	-25.16	-27.45		-1430.9		1376.04	3970.03	1021.07	4141.21	3993.79	10.97	-1.564	0.000	0.351
68.00	-24.71	-27.24		-1376.0		1321.56	3945.32	1011.25		3930.45	11.63	-1.608	0.000	0.343
70.00	-24.27	-27.03		-1321.5		1267.51	3920.35		3983.36	3867.33	12.31	-1.651	0.000	0.335
72.00	-23.84	-26.81					3895.11	991.60		3804.45	13.02	-1.694	0.000	0.326
74.00		-26.60				1213.88 1160.68	3869.62	981.77			13.73		0.000	0.317
76.00	-22.98	-26.39				1107.90	3843.86	971.95		3679.40	14.47		0.000	0.308
78.00	-22.56					1055.55	3817.84	962.12		3617.26			0.000	0.298
80.00		-25.96				1003.62	3791.55	952.30		3555.38	15.99		0.000	0.289
82.00		-25.75				952.11	3765.01	942.47		3493.76	16.78		0.000	0.279
84.00		-25.54				926.58	3751.64	937.56		3463.06	17.18		0.000	0.274
85.00		-25.43				920.56	3738.20	932.65		3432.43	17.59		0.000	0.269
86.00	-20.77	-25.32	0.00	-901.15	0.00	901.15	3730.20	302.00	3-100.02	3.52.10				

Calculated Forces Structure: CT11560-A Code: TIA-222-H 7/10/2023 Site Name: Sterling 6 CT **Exposure:** В Height: 140.00 (ft) SBA Crest Height: 0.00 0.000(ft)Base Elev: Site Class: D - Stiff Soil Gh: Topography: 1 Struct Class: II Page: 31 88.00 -25.10 -20.09 0.00 -850.51 0.00 850.51 3711.13 922.82 3382.61 3371.38 18.40 -1.972 0.000 0.258 90.00 -19.43 -24.87 0.00 -800.32 0.00 800.32 3683.80 913.00 3310.96 3310.62 19.24 -2.009 0.000 0.248 91.00 -19.10 -24.75 0.00 -775.45 0.00 775.45 2899.19 768.71 2816.54 2636.38 19.66 -2.0260.000 0.302 92.00 -18.92 -24.65 0.00 -750.70 0.00 750.70 2889.87 2786.62 764.61 2613.82 20.09 -2.0440.000 0.295 94.00 -18.58-24.44 0.00 -701.40 0.00 701.40 2871.03 756.42 2727.26 2568.78 20.95 -2.0830.000 0.281 95.00 -16 43 -21.33 0.00 -676.96 0.00 676.96 2861.52 752.33 2697.82 2546.31 -2.102 21.39 0.000 0.272 96.00 -16.26 -21.22 0.00 -655.64 0.00 655.64 2851.93 748.24 2668.54 2523.87 21.83 -2.121 0.000 0.266 98.00 -15.93 -21.01 0.00 -613.19 0.00 613.19 2832.57 740.05 2610.46 2479.11 22.73 -2.157 0.000 0.254 100.00 -15.60 -20.80 0.00 -571.18 0.00 571.18 2812.95 731.86 2553.02 2434.50 23.64 -2 192 0.000 0.241 102.00 -15.28 -20.58 0.00 -529.59 0.00 529.59 2793.07 723.67 2496.22 2390.05 24.57 -2.2260.000 0.228 104.00 -14.96 -20.37 0.00 -488.42 0.00 488.42 2772.92 2440.06 715.49 2345.77 25.51 -2.2580.000 0.214 106.00 -14.64-20.16 0.00 -447.67 0.00 447.67 2752.51 707.30 2384.53 2301.65 26.46 -2.2880.000 0.201 108.00 -14.33 -19.950.00 -407.35 0.00 407.35 2731.84 699.11 2329.65 2257.73 27.43 -2.3170.000 0.186 -14.02 110.00 -19.74 0.00 -367.450.00 367.45 2710.91 690.92 2275.40 2213.98 28.40 -2.3440.000 0.172 112.00 -13.71 -19.53 0.00 -327.96 0.00 327.96 2689.71 682.74 2221.79 2170.44 29.39 -2.370 0.000 0.157 114.00 -13.41-19.33 0.00 -288.90 0.00 288.90 2668.26 674.55 2168.82 2127.10 30.39 -2.393 0.000 0.142116.00 -13.11 -19.12 0.00 -250.25 0.00 250.25 2646.54 666.36 2116.50 2083.97 31.40 -2.414 0.000 0.126 118.00 -12.82 -18.91 0.00 -212.01 0.00 212.01 658.18 2624.55 2064.81 2041.07 32.41 -2.4330.000 0.110 120.00 -8 67 -13.45 0.00 -174.19 0.00 174.19 2602.31 649.99 2013.75 1998.39 33.43 -2.4490.000 0.091 122.00 -8.40 -13.240.00 -147.29 0.00 147.29 2579.81 641.80 1963.34 1955.94 34.46 -2.4630.000 0.079 124.00 -8.13 -13.040.00 -120.800.00 120.80 2557.04 633.61 1913.57 1913.74 35.50 -2.475 0.000 0.067 126.00 -7.87 -12.84 0.00 -94.72 0.00 94.72 2534.01 625.43 1864.44 1871.79 36.54 -2.485 0.000 0.054 128.00 -7.60 -12.64 0.00 -69.04 0.00 69.04 2510.72 617.24 1815.94 1830.10 37.58 -2.493 0.000 0.041 130.00 -4.49 -6.44 0.00 -43.760.00 43.76 2487.16 609.05 1768.08 1788.67 38.63 -2.4990.000 0.026 132.00 -4.09-6.230.00 -30.89 0.00 30.89 2463.34 600.86 1720.87 1747.52 39.67 -2.5030.000 0.019 134.00 -3.70-6.02 0.00 -18.44 0.00 18.44 2439.27 592.68 1674.29 1706.65 40.72 -2.5060.000 0.012 135.00 -3.50-5.92 0.00 -12.410.00 12.41 1824.83 478.70 1365.31 1291.47 41 25 -2.506 0.000 0.012 136.00 -3.41 -5.83 0.00 -6.490.00 6.49 1817.10 475.42 1346.69 1277.14 41.77 -2.507 0.000 0.007 137.00 -0.24-0.290.00 -0.660.00 0.66 1809.31 472.15 1328.20 1262.84 42.30 -2.507 0.000 0.001

138.00

140.00

-0.16

0.00

-0.19

-0.18

0.00

0.00

-0.38

0.00

0.00

0.00

0.38

0.00

1801.45

1785.54

468.87

462.32

1309.84

1273.50

1248.56

1220.12

42.82

43.87

-2.507

-2.507

0.000

0.000

0.000

0.000

Wind Loading - Shaft

Structure: CT11560-A **Code**: TIA-222-H 7/10/2023

Site Name: Sterling 6 CT Exposure: B
Height: 140.00 (ft) Crest Height: 0.00

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

Gh: 1.1 Topography: 1 Struct Class: II

SBA

Tot

21

Iterations

Page: 32

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

Dead Load Factor 1.20 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 (lb)	Dead Load (lb)
	Восотраст	1.00	0.70	4.173	4.59	0.00	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
0.00		1.00	0.70	4.173	4.59	0.00	1.200	0.756	2.00	11.128	13.35	61.3	122.7	846.5
2.00		1.00	0.70	4.173	4.59	0.00	1.200	0.810	2.00	11.066	13.28	61.0	130.6	849.1
4.00		1.00	0.70	4.173	4.59	0.00	1.200	0.843	2.00	10.998	13.20	60.6	135.1	848.2
6.00		1.00	0.70	4.173	4.59	0.00	1.200	0.868	2.00	10.927	13.11	60.2	138.1	845.9
8.00		1.00	0.70	4.173	4.59	0.00	1.200	0.887	2.00	10.853	13.02	59.8	140.2	842.7
10.00		1.00	0.70	4.173	4.59	0.00	1.200	0.904	2.00	10.779	12.94	59.4	141.7	838.9
12.00		1.00	0.70	4.173	4.59	0.00	1.200	0.918	2.00	10.704	12.85	59.0	142.9	834.7
14.00		1.00	0.70	4.173	4.59	0.00	1.200	0.930	2.00	10.629	12.75	58.6	143.8	830.2
16.00		1.00	0.70	4.173	4.59	0.00	1.200	0.941	2.00	10.553	12.66	58.1	144.4	825.5
18.00		1.00	0.70	4.173	4.59	0.00	1.200	0.951	2.00	10.477	12.57	57.7	144.8	820.6
20.00		1.00	0.70	4.173	4.59	0.00	1.200	0.960	2.00	10.400	12.48	57.3	145.1	815.5
22.00			0.70	4.173	4.59	0.00	1.200	0.969	2.00	10.323	12.39	56.9	145.2	810.4
24.00		1.00	0.70	4.173	4.59	0.00	1.200	0.973	1.00	5.132	6.16	28.3	72.6	403.2
	- Section 1	1.00		4.173	4.59	0.00	1.200	0.976	1.00	5.113	6.14	28.2	72.6	355.1
26.00		1.00	0.70 0.70	4.173	4.59	0.00	1.200	0.984		10.169	12.20	56.0	145.2	706.8
28.00		1.00		4.173	4.59	0.00	1.200	0.991		10.092	12.11	55.6	145.1	702.1
30.00		1.00	0.70	4.177	4.68	0.00	1.200	0.997		10.014	12.02	56.2	144.8	697.3
32.00		1.00	0.71	4.329	4.76		1.200	1.003	2.00	9.937	11.92	56.8	144.5	692.4
34.00		1.00	0.73		4.84	0.00	1.200	1.009	2.00	9.859	11.83	57.3	144.2	687.5
36.00		1.00	0.74	4.400 4.469	4.92		1.200	1.014	2.00	9.781	11.74		143.8	682.5
38.00		1.00	0.75	4.535	4.99		1.200	1.019	2.00	9.703	11.64		143.3	677.5
40.00		1.00	0.76	4.555	5.02		1.200	1.022	1.00	4.822	5.79		71.6	336.9
	- Section 3	1.00	0.77		5.02		1.200	1.024	1.00	4.866	5.84		72.4	604.5
42.00		1.00	0.77	4.598	5.13		1.200	1.029	2.00	9.674	11.61		144.3	1201.5
44.00		1.00	0.78	4.660	5.13		1.200	1.034	2.00	9.596	11.52		143.7	1191.8
46.00		1.00	0.79	4.719			1.200	1.038	2.00	9.518	11.42			1182.1
48.00 Top	o - Section 2	1.00	0.80	4.777	5.25		1.200	1.042	2.00	9.440	11.33			661.0
50.00		1.00	0.81	4.833	5.32		1.200	1.042	2.00	9.362	11.23			655.8
52.00		1.00	0.82	4.888	5.38		1.200	1.050	2.00	9.283	11.14			650.5
54.00		1.00	0.83	4.941	5.43		1.200	1.054	2.00	9.205	11.05			645.2
56.00		1.00	0.84	4.992	5.49		1.200	1.054	2.00	9.127	10.95			639.9
58.00		1.00	0.85	5.042	5.55		1.200	1.062	2.00		10.86			634.6
60.00		1.00	0.85	5.092			1.200	1.065	2.00		10.76			629.2
62.00		1.00	0.86	5.139	5.65		1.200	1.068	2.00		10.67			623.8
64.00		1.00	0.87	5.186	5.70		1.200	1.072			10.58			618.4
66.00		1.00	0.88	5.232			1.200	1.072			10.48			613.0
68.00		1.00	0.89	5.277	5.80		1.200	1.073			10.39			607.6
70.00		1.00	0.89	5.321	5.85				2.00		10.29			602.1
72.00		1.00	0.90	5.364	5.90		1.200	1.081	2.00		10.20			596.6
74.00		1.00	0.91	5.406			1.200	1.084			10.20			591.1
76.00		1.00	0.91	5.447			1.200	1.087		8.420				585.6
78.00		1.00	0.92				1.200	1.090			10.01 9.92			580.1
80.00		1.00	0.93				1.200	1.093			9.82			574.6
82.00		1.00	0.93				1.200	1.095						569.0
84.00		1.00	0.94				1.200	1.098			9.73			282.6
	t - Section 4	1.00	0.94				1.200	1.099			4.83 4.87			466.1
86.00		1.00	0.95	5.643	6.21	0.00	1.200		1.00	4.056		50.2	. 04.0	

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Wind Loading - Shaft

Structure: CT11560-A **Code**: TIA-222-H 7/10/2023

Site Name: Sterling 6 CT Exposure: B
Height: 140.00 (ft) Crest Height: 0.00

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



88.00 90.00 91.00 Top - Sect 92.00 94.00 95.00 Appurtena 96.00 98.00 100.00 102.00 104.00 106.00 108.00 110.00 112.00		1.00	0.95											
91.00 Top - Sect 92.00 94.00 95.00 Appurtena 96.00 98.00 100.00 102.00 104.00 106.00 108.00 110.00		_	0.95	5.680	6.25	0.00	1.200	1.103	2.00	8.054	9.66	60.4	127,9	925.0
92.00 94.00 95.00 Appurtena 96.00 98.00 100.00 102.00 104.00 106.00 108.00 110.00		1.00	0.96	5.717	6.29	0.00	1.200	1.106	2.00	7.975	9.57	60.2	126.9	915.6
94.00 95.00 Appurtena 96.00 98.00 100.00 102.00 104.00 106.00 108.00 110.00	tion 3	1.00	0.96	5.735	6.31	0.00	1.200	1.107	1.00	3.958	4.75	30.0	63.2	454.4
95.00 Appurtena 96.00 98.00 100.00 102.00 104.00 106.00 108.00 110.00		1.00	0.96	5.753	6.33	0.00	1.200	1.108	1.00	3.938	4.73	29.9	62.9	241.3
96.00 98.00 100.00 102.00 104.00 106.00 108.00 110.00		1.00	0.97	5.788	6.37	0.00	1.200	1.110	2.00	7.817	9.38	59.7	124.9	478.8
98.00 100.00 102.00 104.00 106.00 108.00 110.00	nce(s)	1.00	0.97	5.806	6.39	0.00	1.200	1.112	1.00	3.879	4.65	29.7	62.2	237.7
100.00 102.00 104.00 106.00 108.00 110.00		1.00	0.98	5.823	6.41	0.00	1.200	1.113	1.00	3.859	4.63	29.7	61.9	236.5
102.00 104.00 106.00 108.00 110.00		1.00	0.98	5.858	6.44	0.00	1.200	1.115	2.00	7.659	9.19	59.2	122.8	469.0
104.00 106.00 108.00 110.00		1.00	0.99	5.892	6.48	0.00	1.200	1.117	2.00	7.581	9.10	59.0	121.7	464.2
106.00 108.00 110.00		1.00	0.99	5.925	6.52	0.00	1.200	1.119	2.00	7.502	9.00	58.7	120.6	459.3
108.00 110.00		1.00	1.00	5.958	6.55	0.00	1.200	1.122	2.00	7.423	8.91	58.4	119.6	454.4
110.00		1.00	1.00	5.990	6.59	0.00	1.200	1.124	2.00	7.344	8.81	58.1	118.5	449.5
		1.00	1.01	6.023	6.62	0.00	1.200	1.126	2.00	7.265	8.72	57.8	117.4	444.6
112.00		1.00	1.02	6.054	6.66	0.00	1.200	1.128	2.00	7.186	8.62	57.4	116.3	439.7
		1.00	1.02	6.085	6.69	0.00	1.200	1.130	2.00	7.107	8.53	57.1	115.1	434.7
114.00		1.00	1.03	6.116	6.73	0.00	1.200	1.132	2.00	7.028	8.43	56.7	114.0	429.8
116.00		1.00	1.03	6.147	6.76	0.00	1.200	1.134	2.00	6.949	8.34	56.4	112.9	424.9
118.00		1.00	1.04	6.177	6.79	0.00	1.200	1.136	2.00	6.870	8.24	56.0	111.7	419.9
120.00 Appurtenar	nce(s)	1.00	1.04	6.207	6.83	0.00	1.200	1.138	2.00	6.791	8.15	55.6	110.6	415.0
122.00		1.00	1.05	6.236	6.86	0.00	1.200	1.140	2.00	6.713	8.06	55.3	109.4	410.0
124.00		1.00	1.05	6.265	6.89	0.00	1.200	1.142	2.00	6.634	7.96	54.9	108.3	405.0
126.00		1.00	1.06	6.294	6.92	0.00	1.200	1.143	2.00	6.555	7.87	54.5	107.1	400.0
128.00		1.00	1.06	6.322	6.95	0.00	1.200	1.145	2.00	6.476	7.77	54.0	105.9	395,1
130.00 Bot - Section	on 5	1.00	1.07	6.350	6.99	0.00	1.200	1.147	2.00	6.397	7.68	53.6	104.7	390.1
132.00		1.00	1.07	6.378	7.02	0.00	1.200	1.149	2.00	6.402	7.68	53.9	105.0	615.4
134.00		1.00	1.07	6.405	7.05	0.00	1.200	1.150	2.00	6.323	7.59	53.5	103.8	607.3
135.00 Top - Section	on 4	1.00	1.08	6.419	7.06	0.00	1.200	1.151	1.00	3.132	3.76	26.5	51.6	300.8
136.00	-	1.00	1.08	6.433	7.08	0.00	1.200	1.152	1.00	3.112	3.73	26.4	51.3	162.3
137.00 Appurtenan		1.00	1.08	6.446	7.09	0.00	1.200	1.153	1.00	3.092	3.71	26.3	51.0	162.3
138.00		1.00	1.08	6.459	7.11	0.00	1.200	1.154	1.00	3.073	3.69	26.2	50.7	160.2
140.00		1.00	1.09	6.486	7.13	0.00	1.200	1.155	2.00	6.086	7.30	52.1	100.2	316.8
					–	0.00		1.100	2.00	0.000	1.00	JZ. I	100.2	J 10.0

Discrete Appurtenance Forces

CT11560-A Structure:

Code:

TIA-222-H

Site Name: Sterling 6 CT

В Exposure:

7/10/2023

Height:

140.00 (ft)

Crest Height: 0.00

SBA

21

Base Elev: 0.000 (ft)

D - Stiff Soil Site Class:

Page: 34

Gh:

1.1

Topography: 1

Struct Class: ||

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

Dead Load Factor 1.20 1.00 Wind Load Factor



Iterations

				qz	qzGh	Orient Factor		Total CaAa	Dead Load	Horiz Ecc	Vert Ecc	Wind FX	Mom Y	Mom Z
No.	Elev (ft)	Description	Qty	(psf)	(psf)	x Ka	Ka	(sf)	(lb)	(ft)	(ft)	(lb)	(lb-ft)	(lb-ft)
1		Low Profile Platform	1	6.446	7.091	1.00	1.00	33.67	2364.73	0.000	0.000	238.73	0.00	0.00
2		Antel BXA-70063-6CF-2	3	6.446	7.091	0.59	0.75	14.89	283.96	0.000	0.000	105.57	0.00	0.00
3		JAHH-65B-R3B	6	6.446	7.091	0.63	0.75	52.35	1508.99	0.000	0.000	371.21	0.00	0.00
4		Samsung B5/B13	3	6.446	7.091	0.59	0.75	3.98	268.40	0.000	0.000	28.23	0.00	0.00
5		Samsung B2/B66A	3	6.446	7.091	0.62	0.75	4.18	366.70	0.000	0.000	29.66	0.00	0.00
6		Kaelus BSF0020F3V1-1	4	6.446	7.091	0.52	0.75	2.53	92.68	0.000	0.000	17.94	0.00	0.00
7		(3) Stabilizer Kit (4' FW)	1	6.446	7.091	1.00	1.00	6.26	224.22	0.000	0.000	44.38	0.00	0.00
8		MT6407-77A	3	6.446	7.091	0.53	0.75	8.46	482.80	0.000	0.000	59.99	0.00	0.00
9	137.00	Commscope	3	6.446	7.091	0.68	0.75	1.10	51.51	0.000	0.000	7.79	0.00	0.00
10		Raycap OVP-12	1	6.446	7.091	0.67	0.75	3.07	88.55	0.000	0.000	21.77	0.00	0.00
11		(3) HR w/ Double V-Brace	1	6.446	7.091	1.00	1.00	26.22	1169.59	0.000	0.000	185.94	0.00	0.00
12		HRK12 (Handrail Kit)	1	6.350	6.985	1.00	1.00	16.42	779.91	0.000	0.000	114.72	0.00	0.00
13		HPA-65R-BU8AA	3	6.350	6.985	0.65	0.75	23.86	687.60	0.000	0.000	166.64	0.00	0.00
14		DMP65R-BU8DA	3	6.350	6.985	0.55	0.75	31.72	1018.71	0.000	0.000	221.57	0.00	0.00
15	130.00	RRUS 4449 B5/B12	3	6.350	6.985	0.68	0.75	4.00	321.34	0.000	0.000	27.94	0.00	0.00
16		LGP17201	6	6.350	6.985	0.50	0.75	6.06	35.82	0.000	0.000	42.30	0.00	0.00
17	130.00	RRUS 8843 B2 B66A	3	6.350	6.985	0.69	0.75	4.09	317.74	0.000	0.000	28.57	0.00	0.00
18		Low Profile Platform	1	6.350	6.985	1.00	1.00	33.61	2360.21	0.000	0.000	234.75	0.00	0.00
19		DC6-48-60-18-8F	1	6.350	6.985	0.61	0.75	2.55	85.79	0.000	0.000	17.80	0.00	0.00
20		Powerwave LGP21401 -	6	6.350	6.985	0.56	0.75	3.64	187.19	0.000	0.000	25.41	0.00	0.00
21	130.00	7770.00	6	6.350	6.985	0.58	0.75	21.71	686.43	0.000	0.000	151.64	0.00	0.00
22		15'x2.875"mount pipe	3	6.350	6.985	1.00	1.00	23.55	483.63	0.000	0.000	164.49	0.00	0.00
23	130.00	Powerwave LGP21901 -	6	6.350	6.985	0.50	0.75	10.33	533.92	0.000	0.000	72.15	0.00	0.00
24	120.00	PRK-1245 (kicker kit)	1	6.207	6.827	1.00	1.00	15.99	674.39	0.000	0.000	109.14	0.00	0.00
25		APX16DWV-16DWVS-E-A	3	6.207	6.827	0.52	0.75	11.12	325.32	0.000	0.000	75.95	0.00	0.00
26		APXVAA4L24-43-U-NA20	3	6.207	6.827	0.54	0.75	34.77	1571.85	0.000	0.000	237.41	0.00	0.00
27		AIR6449 B41	3	6.207	6.827	0.53	0.75	10.02	543.89	0.000	0.000	68.38	0.00	0.00
28		LP-RMQP-4096-HK Plat	1	6.207	6.827	1.00	1.00	76.64	4293.88	0.000	0.000	523.25	0.00	0.00
29		4460 B25 + B66	3	6.207	6.827	0.68	0.75	5.10	427.82	0.000	0.000	34.80	0.00	0.00
30		4480 B71 + B85	3	6.207	6.827	0.58	0.75	4.89	402.91	0.000	0.000	33.38	0.00	0.00
31		Raycap	1	5.806	6.386	1.00	1.00	2.37	47.49	0.000	0.000	15.15	0.00	0.00
32		Fujitsu TA08025-B605	3	5.806	6.386	0.50	0.75	3.49	332.14	0.000	0.000	22.31	0.00	0.00
33		Fujitsu TA08025-B604	3	5.806	6.386	0.50	0.75	3.49	290.48	0.000	0.000	22.31	0.00	0.00
34		Commscope	3	5.806	6.386	0.56	0.75	22.26	128.36	0.000	0.000	142.17	0.00	0.00
35		MC-PK10-DSH	1	5.806	6.386	1.00	1.00	83.71	2711.53	0.000	0.000	534.64	0.00	0.00
- 50	55.50						Totals	40	26 150 46			4.198.09		

Totals:

26,150.46

4,198.09

Total Applied Force Summary

Structure: CT11560-A Code: TIA-222-H 7/10/2023

Site Name: Sterling 6 CT Exposure: В Height: 140.00 (ft) Crest Height: 0.00

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

Gh: Topography: 1 Struct Class: || Page: 35

Iterations

21

SBA

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind **Dead Load Factor** 1.20

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	
2.00		61.30	944.53	0.00	0.00	
4.00		60.96	947.70	0.00	0.00	
6.00		60.58	947.21	0.00	0.00	
8.00		60.19	945.11	0.00	0.00	
10.00		59.79	942.11	0.00	0.00	
12.00		59.38	938.51	0.00	0.00	
14.00		58.97	934.49	0.00	0.00	
16.00		58.55	930.15	0.00	0.00	
18.00		58.13	925.56	0.00	0.00	
20.00		57.71	920.78	0.00	0.00	
22.00		57.29	915.83	0.00	0.00	
24.00		56.87	910.74	0.00	0.00	
25.00		28.27	453.41	0.00	0.00	
26.00		28.17	405.37	0.00	0.00	
28.00		56.02	807.34	0.00	0.00	
30.00		55.64	802.71	0.00	0.00	
32.00		56.24	797.99	0.00	0.00	
34.00		56.78	793.21	0.00	0.00	
36.00		57.26	788.36	0.00	0.00	
38.00		57.70	783.46	0.00	0.00	
40.00		58.08	778.50	0.00	0.00	
41.00		29.07	387.43	0.00	0.00	
42.00		29.54	655.00	0.00	0.00	
44.00		59.51	1302.68	0.00	0.00	
46.00		59.78	1293.03	0.00	0.00	
48.00		60.02	1283.34	0.00	0.00	
50.00		60.22	762.33	0.00	0.00	
52.00		60.40	757.15	0.00	0.00	
54.00		60.54	751.93	0.00	0.00	
56.00		60.66	746.69	0.00	0.00	
58.00		60.75	741.42	0.00	0.00	
60.00		60.81	736.13	0.00	0.00	
62.00		60.85	730.81	0.00	0.00	
64.00		60.87	725.47	0.00	0.00	
66.00		60.87	720.11	0.00	0.00	
68.00		60.84	714.73	0.00	0.00	
70.00		60.79	709.33	0.00	0.00	
72.00		60.73	703.91	0.00	0.00	
74.00		60.64	698.47	0.00	0.00	
76.00		60.54	693.02	0.00	0.00	
78.00		60.42	687.55	0.00	0.00	
80.00		60.29	682.07	0.00	0.00	
82.00		60.14	676.57	0.00	0.00	
84.00		59.97	671.06	0.00	0.00	
85.00		29.87	333.58	0.00	0.00	
86.00		30.21	517.15	0.00	0.00	

Total Applied Force Summary

Structure: CT11560-A Code: TIA-222-H

Site Name: Sterling 6 CT Height: 140.00 (ft) **Exposure:** B **Crest Height:** 0.00

7/10/2023



Height:	140.00 (ft)			Clear	•			SDA
Base Ele	v: 0.000 (ft)			Site Cla	ass:	D - Stiff Soil		
Gh:	1.1	Тор	ography: 1	Struct	Class:	II	Page: 36	
88.00		60.39	1027.05	0.00	0.0			
90.00		60.18	1017.69	0.00	0.0			
91.00		29.96	505.46	0.00	0.0			
92.00		29.90	292.40	0.00	0.0			
94.00		59.73	580.94	0.00	0.0	0		
	(11) attachments	766.30	3798.78	0.00	0.0			
96.00	(11) 4	29.66	285.40	0.00	0.0	0		
98.00		59.22	566.92	0.00	0.0	0		
100.00		58.95	562.08	0.00	0.0	0		
102.00		58.67	557.23	0.00	0.0	0		
104.00		58.38	552.37	0.00	0.0	0		
106.00		58.07	547.49	0.00	0.0	0		
108.00		57.76	542.61	0.00	0.0	0		
110.00		57.43	537.72	0.00	0.0	0		
112.00		57.09	532.82	0.00	0.0	0		
114.00		56.74	527.92	0.00	0.0	0		
116.00		56.39	523.00	0.00	0.0	0		
118.00		56.02	518.08	0.00	0.0	0		
	(17) attachments	1137.95	8753.19	0.00	0.0	0		
120.00	(17) attachments	55.25	490.20	0.00	0.0	0		
124.00		54.86	485.26	0.00	0.0	0		
126.00		54.45	480.30	0.00	0.0	0		
128.00		54.04	475.34	0.00	0.0	0		
	(42) attachments	1321.60	7968.65	0.00	0.0	0		
132.00	(42) attachments	53.90	660.74	0.00	0.0	0		
		53.46	652.72	0.00	0.0	0		
134.00		26.54	323.49	0.00	0.0	0		
135.00		26.42	185.02	0.00	0.0	0		
136.00	(29) attachments	1137.53	7086.10	0.00	0.0	0		
	(29) attacimients	26.20	167.78	0.00	0.0	0		
138.00 140.00		52.11	332.09	0.00	0.0			
140.00	Totals:	8,277.36	77,830.87	0.00	0.0	0		

Structure: CT11560-A Code: TIA-222-H 7/10/2023

Site Name: Sterling 6 CT Exposure: В Height: 140.00 (ft) Crest Height: 0.00

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

Gh: 1.1 Topography: 1 Struct Class: II SBA

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

Dead Load Factor 1.20 Wind Load Factor 1.00



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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)
2.00	Safety Cable	Yes	2.00	0.000	0.38	0.32	0.00	0.015	0.000	4.173	0.00	2.51
2.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.36	0.00	0.015	0.000	4.173	0.00	7.99
4.00	Safety Cable	Yes	2.00	0.000	0.38	0.33	0.00	0.016	0.000	4.173	0.00	2.75
4.00	Step boits (ladder)	Yes	2.00	0.000	0.63	0.37	0.00	0.016	0.000	4.173	0.00	8.30
6.00	Safety Cable	Yes	2.00	0.000	0.38	0.34	0.00	0.016	0.000	4.173	0.00	2.91
6.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.39	0.00	0.016	0.000	4.173	0.00	8.50
8.00	Safety Cable	Yes	2.00	0.000	0.38	0.35	0.00	0.016	0.000	4.173	0.00	3.03
8.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.39	0.00	0.016	0.000	4.173	0.00	8.65
10.00	Safety Cable	Yes	2.00	0.000	0.38	0.36	0.00	0.016	0.000	4.173	0.00	3.12
10.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.40	0.00	0.016	0.000	4.173	0.00	8.77
12.00	Safety Cable	Yes	2.00	0.000	0.38	0.36	0.00	0.016	0.000	4.173	0.00	3.20
12.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.41	0.00	0.016	0.000	4.173	0.00	8.88
14.00	Safety Cable	Yes	2.00	0.000	0.38	0.37	0.00	0.016	0.000	4.173	0.00	3.27
14.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.41	0.00	0.016	0.000	4.173	0.00	8.97
16.00	Safety Cable	Yes	2.00	0.000	0.38	0.37	0.00	0.016	0.000	4.173	0.00	3.34
16.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.42	0.00	0.016	0.000	4.173	0.00	9.05
18.00	Safety Cable	Yes	2.00	0.000	0.38	0.38	0.00	0.016	0.000	4.173	0.00	3.39
18.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.42	0.00	0.016	0.000	4.173	0.00	9.12
20.00	Safety Cable	Yes	2.00	0.000	0.38	0.38	0.00	0.017	0.000	4.173	0.00	3.44
20.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.42	0.00	0.017	0.000	4.173	0.00	9.18
22.00	Safety Cable	Yes	2.00	0.000	0.38	0.38	0.00	0.017	0.000	4.173	0.00	3.49
22.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.43	0.00	0.017	0.000	4.173	0.00	9.24
24.00	Safety Cable	Yes	2.00	0.000	0.38	0.39	0.00	0.017	0.000	4.173	0.00	3.54
24.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.43	0.00	0.017	0.000	4.173	0.00	9.30
25.00	Safety Cable	Yes	1.00	0.000	0.38	0.19	0.00	0.017	0.000	4.173	0.00	1.78
25.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.21	0.00	0.017	0.000	4.173	0.00	4.66
26.00	Safety Cable	Yes	1.00	0.000	0.38	0.19	0.00	0.017	0.000	4.173	0.00	1.79
26.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.22	0.00	0.017	0.000	4.173	0.00	4.68
28.00	Safety Cable	Yes	2.00	0.000	0.38	0.39	0.00	0.017	0.000	4.173	0.00	3.62
28.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.43	0.00	0.017	0.000	4.173	0.00	9.40
30.00	Safety Cable	Yes	2.00	0.000	0.38	0.39	0.00	0.017	0.000	4.177	0.00	3.65
30.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.44	0.00	0.017	0.000	4.177	0.00	9.45
32.00	Safety Cable	Yes	2.00	0.000	0.38	0.40	0.00	0.017	0.000	4.254	0.00	3.69
32.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.44	0.00	0.017	0.000	4.254	0.00	9.49
34.00	Safety Cable	Yes	2.00	0.000	0.38	0.40	0.00	0.018	0.000	4.329	0.00	3.72
34.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.44	0.00	0.018	0.000	4.329	0.00	9.53
36.00	Safety Cable	Yes	2.00	0.000	0.38	0.40	0.00	0.018	0.000	4.400	0.00	3.75
36.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.44	0.00	0.018	0.000	4.400	0.00	9.57
38.00	Safety Cable	Yes	2.00	0.000	0.38	0.40	0.00	0.018	0.000	4.469	0.00	3.78
38.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.44	0.00	0.018	0.000	4.469	0.00	9.61
40.00	Safety Cable	Yes	2.00	0.000	0.38	0.40	0.00	0.018	0.000	4.535	0.00	3.81
40.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.44	0.00	0.018	0.000	4.535	0.00	9.64
41.00	Safety Cable	Yes	1.00	0.000	0.38	0.20	0.00	0.018	0.000	4.567	0.00	1.91
41.00	Step boits (ladder)	Yes	1.00	0.000	0.63	0.22	0.00	0.018	0.000	4.567	0.00	4.83
42.00	Safety Cable	Yes	1.00	0.000	0.38	0.20	0.00	0.018	0.000	4.598	0.00	1.92
42.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.22	0.00	0.018	0.000	4.598	0.00	4.84
44.00	Safety Cable	Yes	2.00	0.000	0.38	0.41	0.00	0.018	0.000	4.660	0.00	3.87

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CT11560-A Structure:

TIA-222-H Code:

7/10/2023

Site Name: Sterling 6 CT 140.00 (ft)

Exposure: В

Crest Height: 0.00

D - Stiff Soil

SBA

Iterations

21

Height: Base Elev: 0.000 (ft)

Site Class:

Gh:

88.00 Step bolts (ladder)

Yes

1.1

Topography:

Struct Class:

Page: 38

5.680

0.000

0.022

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

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



	Wind Load Fa	ctor 1.0	0						4			
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)
		Yes	2.00	0.000	0.63	0.45	0.00	0.018	0.000	4.660	0.00	9.71
44.00	Step bolts (ladder)	Yes	2.00	0.000	0.38	0.41	0.00	0.018	0.000	4.719	0.00	3.89
46.00	Safety Cable	Yes	2.00	0.000	0.63	0.45	0.00	0.018	0.000	4.719	0.00	9.74
46.00	Step bolts (ladder)	Yes	2.00	0.000	0.38	0.41	0.00	0.019	0.000	4.777	0.00	3.92
48.00	Safety Cable	Yes	2.00	0.000	0.63	0.45	0.00	0.019	0.000	4.777	0.00	9.77
48.00	Step bolts (ladder)	Yes	2.00	0.000	0.38	0.41	0.00	0.019	0.000	4.833	0.00	3.94
50.00	Safety Cable	Yes	2.00	0.000	0.63	0.45	0.00	0.019	0.000	4.833	0.00	9.80
50.00	Step bolts (ladder)		2.00	0.000	0.38	0.41	0.00	0.019	0.000	4.888	0.00	3.97
52.00	Safety Cable	Yes	2.00	0.000	0.63	0.45	0.00	0.019	0.000	4.888	0.00	9.83
52.00	Step bolts (ladder)	Yes		0.000	0.38	0.41	0.00	0.019	0.000	4.941	0.00	3.99
54.00	Safety Cable	Yes	2.00	0.000	0.63	0.46	0.00	0.019	0.000	4.941	0.00	9.86
54.00	Step bolts (ladder)	Yes	2.00		0.03	0.41	0.00	0.019	0.000	4.992	0.00	4.01
56.00	Safety Cable	Yes	2.00	0.000	0.63	0.46	0.00	0.019	0.000	4.992	0.00	9.89
56.00	Step bolts (ladder)	Yes	2.00	0.000	0.88	0.42	0.00	0.019	0.000	5.042	0.00	4.03
58.00	Safety Cable	Yes	2.00	0.000		0.42	0.00	0.019	0.000	5.042	0.00	9.91
58.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.40	0.00	0.019	0.000	5.092	0.00	4.05
60.00	Safety Cable	Yes	2.00	0.000	0.38		0.00	0.019	0.000	5.092	0.00	9.94
60.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.46		0.020	0.000	5.139	0.00	4.07
62.00	Safety Cable	Yes	2.00	0.000	0.38	0.42	0.00	0.020	0.000	5.139	0.00	9.97
62.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.46	0.00		0.000	5.186	0.00	4.09
64.00	Safety Cable	Yes	2.00	0.000	0.38	0.42	0.00	0.020		5.186	0.00	9.99
64.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.46	0.00	0.020	0.000		0.00	4.11
66.00	Safety Cable	Yes	2.00	0.000	0.38	0.42	0.00	0.020	0.000	5.232	0.00	10.01
66.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.46	0.00	0.020	0.000	5.232		4.13
68.00	Safety Cable	Yes	2.00	0.000	0.38	0.42	0.00	0.020	0.000	5.277	0.00	10.04
68.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.46	0.00	0.020	0.000	5.277	0.00	
70.00	Safety Cable	Yes	2.00	0.000	0.38	0.42	0.00	0.020	0.000	5.321	0.00	4.15
70.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.46	0.00	0.020	0.000	5.321	0.00	10.06
72.00	Safety Cable	Yes	2.00	0.000	0.38	0.42	0.00	0.020	0.000	5.364	0.00	4.17
72.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.47	0.00	0.020	0.000	5.364	0.00	10.08
74.00	Safety Cable	Yes	2.00	0.000	0.38	0.42	0.00	0.021	0.000	5.406	0.00	4.18
74.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.47	0.00	0.021	0.000	5.406	0.00	10.10
76.00	Safety Cable	Yes	2.00	0.000	0.38	0.43	0.00	0.021	0.000	5.447	0.00	4.20
76.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.47	0.00	0.021	0.000	5.447	0.00	10.12
78.00	Safety Cable	Yes	2.00	0.000	0.38	0.43	0.00	0.021	0.000	5.488	0.00	4.22
	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.47	0.00	0.021	0.000	5.488	0.00	10.14
78.00	Safety Cable	Yes	2.00	0.000	0.38	0.43	0.00	0.021	0.000	5.528	0.00	4.23
80.00		Yes	2.00	0.000	0.63	0.47	0.00	0.021	0.000	5.528	0.00	10.16
80.00			2.00	0.000	0.38	0.43	0.00	0.022	0.000	5.567	0.00	4.25
	Safety Cable	Yes	2.00	0.000	0.63	0.47	0.00	0.022	0.000	5.567	0.00	10.18
	Step bolts (ladder)	Yes	2.00	0.000	0.38	0.43	0.00	0.022	0.000	5.605	0.00	4.26
	Safety Cable	Yes		0.000	0.63	0.47	0.00	0.022	0.000	5.605	0.00	10.20
84.00		Yes	2.00	0.000	0.38	0.21	0.00	0.022	0.000	5.624	0.00	2.14
85.00	•	Yes	1.00		0.63	0.24	0.00	0.022	0.000	5.624	0.00	5.11
85.00		Yes	1.00	0.000		0.24	0.00	0.022	0.000	5.643	0.00	2.14
86.00		Yes	1.00	0.000	0.38	0.22	0.00	0.022	0.000	5.643	0.00	5.11
86.00		Yes	1.00	0.000	0.63		0.00	0.022	0.000	5.680	0.00	4.30
88.00	Safety Cable	Yes	2.00	0.000	0.38	0.43	0.00	0.022	0.000	5.680	0.00	10.24

0.63

0.000

2.00

0.47

0.00

Structure: CT11560-A Code: TIA-222-H 7/10/2023

Site Name: Sterling 6 CT Exposure: В Height: 140.00 (ft) Crest Height: 0.00

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

Gh: 1.1 Topography: 1 Struct Class: II Page: 39

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

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



Iterations

SBA

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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)
90.00	Safety Cable	Yes	2.00	0.000	0.38	0.43	0.00	0.022	0.000	5.717	0.00	4.31
90.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.47	0.00	0.022	0.000	5.717	0.00	10.26
91.00	Safety Cable	Yes	1.00	0.000	0.38	0.22	0.00	0.023	0.000	5.735	0.00	2.16
91.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.24	0.00	0.023	0.000	5.735	0.00	5.13
92.00	Safety Cable	Yes	1.00	0.000	0.38	0.22	0.00	0.022	0.000	5.753	0.00	2.16
92.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.24	0.00	0.022	0.000	5,753	0.00	5.14
94.00	Safety Cable	Yes	2.00	0.000	0.38	0.43	0.00	0.023	0.000	5.788	0.00	4.34
94.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.48	0.00	0.023	0.000	5.788	0.00	10.29
95.00	Safety Cable	Yes	1.00	0.000	0.38	0.22	0.00	0.023	0.000	5.806	0.00	2.17
95.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.24	0.00	0.023	0.000	5.806	0.00	5.15
96.00	Safety Cable	Yes	1.00	0.000	0.38	0.22	0.00	0.023	0.000	5.823	0.00	2.18
96.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.24	0.00	0.023	0.000	5.823	0.00	5.16
98.00	Safety Cable	Yes	2.00	0.000	0.38	0.43	0.00	0.023	0.000	5.858	0.00	4.37
98.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.48	0.00	0.023	0.000	5.858	0.00	10.33
100.00	Safety Cable	Yes	2.00	0.000	0.38	0.44	0.00	0.023	0.000	5.892	0.00	4.38
100.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.48	0.00	0.023	0.000	5.892	0.00	10.34
102.00	Safety Cable	Yes	2.00	0.000	0.38	0.44	0.00	0.024	0.000	5.925	0.00	4.39
102.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.48	0.00	0.024	0.000	5.925	0.00	10.36
104.00	Safety Cable	Yes	2.00	0.000	0.38	0.44	0.00	0.024	0.000	5.958	0.00	4.41
104.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.48	0.00	0.024	0.000	5.958	0.00	10.38
106.00	Safety Cable	Yes	2.00	0.000	0.38	0.44	0.00	0.024	0.000	5.990	0.00	4.42
106.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.48	0.00	0.024	0.000	5.990	0.00	10.39
108.00	Safety Cable	Yes	2.00	0.000	0.38	0.44	0.00	0.024	0.000	6.023	0.00	4.43
108.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.48	0.00	0.024	0.000	6.023	0.00	10.41
110.00	Safety Cable	Yes	2.00	0.000	0.38	0.44	0.00	0.025	0.000	6.054	0.00	4.45
110.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.48	0.00	0.025	0.000	6.054	0.00	10.42
112.00	Safety Cable	Yes	2.00	0.000	0.38	0.44	0.00	0.025	0.000	6.085	0.00	4.46
112.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.48	0.00	0.025	0.000	6.085	0.00	10.44
114.00	Safety Cable	Yes	2.00	0.000	0.38	0.44	0.00	0.025	0.000	6.116	0.00	4.47
114.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.48	0.00	0.025	0.000	6.116	0.00	10.45
116.00	Safety Cable	Yes	2.00	0.000	0.38	0.44	0.00	0.026	0.000	6.147	0.00	4.48
116.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.48	0.00	0.026	0.000	6.147	0.00	10.47
118.00	Safety Cable	Yes	2.00	0.000	0.38	0.44	0.00	0.026	0.000	6.177	0.00	4.49
118.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.48	0.00	0.026	0.000	6.177	0.00	10.48
120.00	Safety Cable	Yes	2.00	0.000	0.38	0.44	0.00	0.026	0.000	6.207	0.00	4.51
120.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.48	0.00	0.026	0.000	6.207	0.00	10.50
122.00	Safety Cable	Yes	2.00	0.000	0.38	0.44	0.00	0.027	0.000	6.236	0.00	4.52
122.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.48	0.00	0.027	0.000	6.236	0.00	10.51
124.00	Safety Cable	Yes	2.00	0.000	0.38	0.44	0.00	0.027	0.000	6.265	0.00	4.53
124.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.49	0.00	0.027	0.000	6.265	0.00	10.53
126.00	Safety Cable	Yes	2.00	0.000	0.38	0.44	0.00	0.027	0.000	6.294	0.00	4.54
126.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.49	0.00	0.027	0.000	6.294	0.00	10.54
128.00	Safety Cable	Yes	2.00	0.000	0.38	0.45	0.00	0.028	0.000	6.322	0.00	4.55
128.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.49	0.00	0.028	0.000	6.322	0.00	10.55
130.00	Safety Cable	Yes	2.00	0.000	0.38	0.45	0.00	0.028	0.000	6.350	0.00	4.56
130.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.49	0.00	0.028	0.000	6.350	0.00	10.57
132.00	Safety Cable	Yes	2.00	0.000	0.38	0.45	0.00	0.028	0.000	6.378	0.00	4.57

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CT11560-A Structure:

Site Name: Sterling 6 CT Height:

140.00 (ft)

Base Elev: 0.000 (ft)

Gh: 1.1 Code:

TIA-222-H

Exposure: В

Crest Height: 0.00

D - Stiff Soil Site Class:

Struct Class: II

7/10/2023

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SBA

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

Topography: 1

Dead Load Factor 1.20 1.00 Wind Load Factor



Iterations

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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)
132.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.49	0.00	0.028	0.000	6.378	0.00	10.58
134.00	Safety Cable	Yes	2.00	0.000	0.38	0.45	0.00	0.029	0.000	6.405	0.00	4.58
134.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.49	0.00	0.029	0.000	6.405	0.00	10.59
135.00	Safety Cable	Yes	1.00	0.000	0.38	0.22	0.00	0.029	0.000	6.419	0.00	2.29
135.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.24	0.00	0.029	0.000	6.419	0.00	5.30
136.00	Safety Cable	Yes	1.00	0.000	0.38	0.22	0.00	0.029	0.000	6.433	0.00	2.30
136.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.24	0.00	0.029	0.000	6.433	0.00	5.30
137.00	Safety Cable	Yes	1.00	0.000	0.38	0.22	0.00	0.029	0.000	6.446	0.00	2.30
137.00	Step boits (ladder)	Yes	1.00	0.000	0.63	0.24	0.00	0.029	0.000	6.446	0.00	5.31
	Safety Cable	Yes	1.00	0.000	0.38	0.22	0.00	0.029	0.000	6.459	0.00	2.30
138.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.24	0.00	0.029	0.000	6.459	0.00	5.31
138.00		Yes	2.00	0.000	0.38	0.45	0.00	0.030	0.000	6.486	0.00	4.62
140.00	Safety Cable	Yes	2.00	0.000	0.63	0.49	0.00	0.030	0.000	6.486	0.00	10.63
140.00	Step bolts (ladder)	162	2.00	0.000	3.00	3.10			To	tals:	0.0	975.4

Structure: CT11560-A **Code**: TIA-222-H 7/10/2023

Site Name:Sterling 6 CTExposure:BHeight:140.00 (ft)Crest Height:0.00Base Flow:0.000 (ft)Site Classe:D. Oktober 1.000

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

Gh: 1.1 Topography: 1 Struct Class: II



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

Dead Load Factor 1.20 Wind Load Factor 1.00



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Iterations 21

Seg Elev	Pu FY (-)	Vu FX (-)	Tu MY (-)	Mu MZ	Mu MX	Resultant Moment	phi Pn	phi Vn	phi Tn	phi Mn	Total Deflect	Rotation Sway	Rotation Twist	Stress
(ft)	(kips)	(kips)	(ft-kips)	(ft-kips)	(ft-kips)	(ft-kips)	(kips)	(kips)	(ft-kips)	(ft-kips)	(in)	(deg)	(deg)	Ratio
0.00	-77.83	-8.28	0.00	-833.99	0.00	833.99	5803.10	1561.17	8297.91	7657.05	0.00	0.000	0.000	0.122
2.00	-76.88	-8.24	0.00	-817.43	0.00	817.43	5778.21	1549.71	8176.51	7567.86	0.00	-0.010	0.000	0.121
4.00	-75.93	-8.19	0.00	-800.96	0.00	800.96	5753.06	1538.25	8056.00	7478.80	0.01	-0.020	0.000	0.120
6.00	-74.99	-8.14	0.00	-784.58	0.00	784.58	5727.65	1526.78	7936.39	7389.90	0.02	-0.031	0.000	0.119
8.00	-74.04	-8.09	0.00	-768.30	0.00	768.30	5701.98	1515.32	7817.67	7301.16	0.03	-0.041	0.000	0.118
10.00	-73.10	-8.05	0.00	-752.12	0.00	752.12	5676.04	1503.86	7699.85	7212.59	0.05	-0.051	0.000	0.117
12.00	-72.16	-8.00	0.00	-736.02	0.00	736.02	5649.84	1492.40	7582.92	7124.20	80.0	-0.061	0.000	0.116
14.00	-71.22	-7.95	0.00	-720.03	0.00	720.03	5623.38	1480.93	7466.89	7035.98	0.11	-0.072	0.000	0.115
16.00	-70.29	-7.90	0.00	-704.13	0.00	704.13	5596.66	1469.47	7351.75	6947.96	0.14	-0.082	0.000	0.114
18.00	-69.36	-7.86	0.00	-688.32	0.00	688.32	5569.67	1458.01	7237.50	6860.14	0.17	-0.092	0.000	0.113
20.00	-68.44	-7.81	0.00	-672.61	0.00	672.61	5542.43	1446.55	7124.15	6772.52	0.22	-0.103	0.000	0.112
22.00	-67.52	-7.76	0.00	-656.99	0.00	656.99	5514.92	1435.08	7011.70	6685.11	0.26	-0.113	0.000	0.111
24.00	-66.61	-7.71	0.00	-641.47	0.00	641.47	5487.15	1423.62	6900.13	6597.93	0.31	-0.123	0.000	0.109
25.00	-66.16	-7.69	0.00	-633.75	0.00	633.75	5473.16	1417.89	6844.69	6554.42	0.34	-0.128	0.000	0.109
25.00	-66.16	-7.69	0.00	-633.75	0.00	633.75	4407.37	1216.64	5879.49	5289.42	0.34	-0.128	0.000	0.135
26.00	-65.75	-7.67	0.00	-626.06	0.00	626.06	4397.65	1211.73	5832.10	5256.32	0.36	-0.134	0.000	0.134
28.00	-64.94	-7.63	0.00	-610.72	0.00	610.72	4378.03	1201.90	5737.91	5190.16	0.42	-0.146	0.000	0.133
30.00	-64.14	-7.58	0.00	-595.47	0.00	595.47	4358.14	1192.08	5644.49	5124.08	0.49	-0.158	0.000	0.131
32.00	-63.34	-7.54	0.00	-580.31	0.00	580.31	4338.00	1182.25	5551.83	5058.08	0.56	-0.169	0.000	0.129
34.00	-62.54	-7.49	0.00	-565.24	0.00	565.24	4317.58	1172.43	5459.94	4992.17	0.63	-0.181	0.000	0.128
36.00	-61.75	-7.44	0.00	-550.26	0.00	550.26	4296.91	1162.60	5368.81	4926.35	0.71	-0.193	0.000	0.126
38.00	-60.97	-7.40	0.00	-535.37	0.00	535.37	4275.98	1152.78	5278.46	4860.65	0.79	-0.205	0.000	0.124
40.00	-60.19	-7.34	0.00	-520.58	0.00	520.58	4254.78	1142.95	5188.87	4795.05	0.88	-0.217	0.000	0.123
41.00	-59.80	-7.32	0.00	-513.24	0.00	513.24	4244.08	1138.04	5144.36	4762.30	0.93	-0.223	0.000	0.122
42.00	-59.15	-7.30	0.00	-505.92	0.00	505.92	4233.32	1133.13	5100.04	4729.58	0.97	-0.229	0.000	0.121
44.00	-57.84	-7.24	0.00	-491.33	0.00	491.33	4211.60	1123.30	5011.98	4664.23	1.07	-0.241	0.000	0.119
46.00	-56.55	-7.19	0.00	-476.84	0.00	476.84	4189.62	1113.48	4924.69	4599.03	1.18	-0.253	0.000	0.117
48.00	-55.26	-7.14	0.00	-462.46	0.00	462.46	4202.72	1119.32	4976.50	4637.78	1.28	-0.264	0.000	0.113
50.00	-54.50	-7.08	0.00	-448.19	0.00	448.19	4180.63	1109.50	4889.52	4572.63	1.40	-0.276	0.000	0.111
52.00	-53.74	-7.03	0.00	-434.03	0.00	434.03	4158.28	1099.67	4803.31	4507.62	1.52	-0.287	0.000	0.109
54.00	-52.99	-6.97	0.00	-419.97	0.00	419.97	4135.67	1089.85	4717.86	4442.77	1.64	-0.298	0.000	0.107
56.00	-52.24	-6.92	0.00	-406.02	0.00	406.02	4112.79	1080.02	4633.18	4378.08	1.77	-0.309	0.000	0.105
58.00	-51.50	-6.86	0.00	-392.18	0.00	392.18	4089.65	1070.20	4549.27	4313.56	1.90	-0.320	0.000	0.104
60.00	-50.76	-6.81	0.00	-378.45	0.00	378.45	4066.25	1060.37	4466.12	4249.22	2.04	-0.331	0.000	0.102
62.00	-50.03	-6.75	0.00	-364.83	0.00	364.83	4042.59	1050.55	4383.75	4185.07	2.18	-0.342	0.000	0.100
64.00	-49.30	-6.70	0.00	-351.33	0.00	351.33	4018.67	1040.72	4302.13	4121.10	2.32	-0.352	0.000	0.098
66.00	-48.58	-6.64	0.00	-337.93	0.00	337.93	3994.48	1030.90	4221.29	4057.34	2.47	-0.363	0.000	0.095
68.00	-47.87	-6.58	0.00	-324.65	0.00	324.65	3970.03	1021.07	4141.21	3993.79	2.63	-0.373	0.000	0.093
70.00	-47.16	-6.53	0.00	-311.48	0.00	311.48	3945.32	1011.25	4061.90	3930.45	2.79	-0.384	0.000	0.091
72.00	-46.45	-6.47	0.00	-298.43	0.00	298.43	3920.35	1001.42	3983.36	3867.33	2.95	-0.394	0.000	0.089
74.00	-45.75	-6.41	0.00	-285.49	0.00	285.49	3895.11	991.60	3905.58	3804.45	3.12	-0.404	0.000	0.087
76.00	-45.06	-6.35	0.00	-272.66	0.00	272.66	3869.62		3828.57		3.29	-0.414	0.000	0.085
78.00	-44.37	-6.30	0.00	-259.95	0.00	259.95	3843.86	971.95	3752.32	3679.40	3.46	-0.424	0.000	0.082
80.00	-43.69	-6.24	0.00	-247.36	0.00	247.36	3817.84	962.12		3617.26	3.64	-0.433	0.000	0.082
82.00	-43.01	-6.18		-234.88	0.00	234.88	3791.55	952.30	3602.14	3555.38	3.83	-0.442	0.000	0.080
84.00	-42.34	-6.12	0.00	-222.52	0.00	222.52	3765.01	942.47	3528.19	3493.76	4.01	-0.452	0.000	0.077
85.00	-42.01	-6.09	0.00	-216.40	0.00	216.40	3751.64	937.56		3463.06	4.11	-0.456	0.000	0.073
86.00	-41.49	-6.06		-210.31	0.00	210.31	3738.20		3455.02		4.20	-0.461	0.000	0.074
						·		0	- 100.02	5 102.10	0	0.101	0.000	0.012

Structure: CT11560-A

Code:

TIA-222-H

7/10/2023

Site Name:

Height:

Sterling 6 CT 140.00 (ft)

-0.05

0.00

140.00

0.00

Exposure: B

Crest Height: 0.00 Site Class: D - S SBA 测

0.000

0.000

-0.593

10.43

D - Stiff Soil 0.000 (ft) Base Elev: Page: 42 Struct Class: H 1 Topography: 1.1 Gh: -0.469 0.070 0.000 3711.13 922.82 3382.61 3371.38 4.40 198.19 -198.19 0.00 -40.46 -6.00 0.00 88.00 0.067 0.000 -0.478913.00 3310.96 3310.62 4.60 3683.80 186.20 -186.20 0.00 -5.93 0.00 90.00 -39.44 -0.482 0.000 0.082 4.70 2899.19 768.71 2816.54 2636.38 180.26 0.00 -180.26 0.00 -38.94 -5.90 91.00 0.000 0.080 4.80 -0.486 2613.82 2889.87 764.61 2786.62 174.36 0.00 -174.36 0.00 -38.65 -5.88 92.00 0.000 0.077 5.01 -0.495 2727.26 2568.78 2871.03 756.42 0.00162.61 94.00 -38.06 -5.81 0.00 -162.61 0.074 -0.499 0.000 2546.31 5.11 2697.82 2861.52 752.33 0.00 0.00 156.79 -156.79 -5.02 95.00 -34.27 5.22 -0.504 0.0000.072 2668.54 2523.87 2851.93 748.24 0.00 151.78 0.00 -151.78 -33.99 -4.9996.00 0.069 740.05 2610.46 2479.11 5.43 -0.512 0.0002832.57 141.80 0.00 -141.80 0.00 98.00 -33.42 -4.930.066 0.000 2553.02 2434.50 -0.5202812.95 731.86 5.64 0.00 131.94 0.00 -131.94 -4.87100.00 -32.860.000 0.063 5.86 -0.5282793.07 723.67 2496.22 2390.05 122.20 0.00 0.00 -122.20-4.81102.00 -32.300.059 6.09 -0.535 0.000 715.49 2440.06 2345.77 112.57 2772.92 -112.57 0.00 -4.75 0.00 -31.75104.00 0.056 -0.542 0.000 2384.53 2301.65 6.31 2752.51 707.30 103.07 -31.20 -4.69 0.00 -103.07 0.00 106.00 0.000 0.053 6.54 -0.549 2329.65 2257.73 2731.84 699.11 93.68 0.00 0.00 -93.68 108.00 -30.66 -4.63-0.555 0.000 0.049 2213.98 6.77 2275.40 690.92 84.42 2710.91 0.00 -4.57 0.00 -84.42 110.00 -30.12 0.046 2221.79 2170.44 7.01 -0.561 0.000 682.74 75.27 2689.71 -75.27 0.00 112.00 -29.59 -4.510.00 0.042 0.000 674.55 2168.82 2127.10 7.24 -0.5662668.26 66.24 -66.24 0.00 0.00 114.00 -29.06 -4.460.038 0.000 -0.571 2083.97 7.48 2646.54 666.36 2116.50 57.33 0.00 -57.33 0.00 116.00 -28.54-4.40-0.575 0.000 0.035 2064.81 2041.07 7.72 2624.55 658.18 0.00 48.54 0.00 -48.54 -4.34118.00 -28.020.027 -0.579 0.000 7.96 2013.75 1998.39 2602.31 649.99 39.87 -3.11 0.00 -39.87 0.00 -19.28120.00 0.025 -0.582 0.000 8.21 641.80 1963.34 1955.94 33.65 2579.81 -33.65 0.00 -18.79-3.05 0.00 122.00 0.000 0.022 8.45 -0.585 1913.74 27.54 2557.04 633.61 1913.57 0.00 0.00 -27.54 -18.30 -2.99124.00 8.70 -0.587 0.000 0.019 1871.79 1864.44 2534.01 625.43 0.00 21.55 -21.55 126.00 -17.82 -2.930.00 0.016 1815.94 1830.10 8.94 -0.5890.000 617.24 15.69 2510.72 -15.69 0.00 -17.35-2.880.00 128.00 0.009 0.000 9.19 -0.5912487.16 609.05 1768.08 1788.67 9.93 -9.93 0.00 -9.39-1.470.00 130.00 0.000 800.0 9.44 -0.592600.86 1720.87 1747.52 6.99 2463.34 -6.99 0.00 0.00 132.00 -8.73-1.410.000 0.006 9.69 -0.592 1674.29 1706.65 2439.27 592.68 4.16 0.00 -4.16 0.00 -1.35-8.08 134.00 0.000 0.006 -0.592478.70 1365.31 1291.47 9.81 1824.83 2.81 0.00 -1.320.00 -2.81 -7.76135.00 0.005 -0.592 0.000 9.94 1.49 1817.10 475.42 1346.69 1277.14 -1.29 0.00 -1.490.00 -7.57 136.00 10.06 -0.593 0.000 0.000 1328.20 1262.84 1809.31 472.15 0.19 0.00 -0.50 -0.08 0.00 -0.19137.00 1248.56 10.18 -0.593 0.000 0.000 1309.84 1801.45 468.87 0.11 0.00 -0.06 0.00 -0.11138.00 -0.33

0.00

0.00

0.00

1785.54

462.32

1273.50

1220.12

Seismic Segment Forces (Factored)

Structure: CT11560-A **Code**: TIA-222-H 7/10/2023

Site Name:Sterling 6 CTExposure:BHeight:140.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: II Page: 43



Load Case: 1.2D + 1.0Ev +	1.0Eh				Y	Iterations	19
Gust Response Factor	1.10		Sds	0.20	X	Ss	0.19
Dead Load Factor	1.20 Seismic Load Factor	1.00	Sd1	0.09	2	S1	0.05
Wind Load Factor	0.00 Structure Frequency (f1)	0.46	SA	0.04	Seismic Importa	nce Factor	1.00

Тор				Vertical	Lateral	
Elev	December 1	Wz	Hz	Ev	Fs	
(ft)	Description	(lb)	(IP)	(lb)	(lb)	R: 1.50
0.00		0.00	0.00	0.00	0.00	
2.00		696.37	1.00	27.78	0.00	
4.00		691.92	3.00	27.60	0.01	
6.00		687.48	5.00	27.43	0.03	
8.00		683.03	7.00	27.25	0.06	
10.00		678.59	9.00	27.07	0.09	
12.00		674.14	11.00	26.89	0.13	
14.00		669.70	13.00	26.72	0.17	
16.00		665.25	15.00	26.54	0.22	
18.00		660.81	17.00	26.36	0.27	
20.00		656.36	19.00	26.18	0.33	
22.00		651.92	21.00	26.01	0.39	
24.00		647.48	23.00	25.83	0.46	
	pp - Section 1	322.07	24.50	12.85	0.14	
26.00		282.02	25.50	11.25	0.12	
28.00		561.18	27.00	22.39	0.12	
30.00		557.37	29.00	22.24		
32.00		553.56	31.00	22.24	0.53	
34.00		549.75	33.00	21.93	0.59	
36.00		545.94	35.00		0.66	
38.00		542.13	37.00	21.78	0.72	
40.00		538.32		21.63	0.79	
	ot - Section 3		39.00	21.48	0.86	
42.00	it - dection 5	267.73	40.50	10.68	0.26	
44.00		490.00	41.50	19.55	0.81	
46.00		974.28	43.00	38.87	3.06	
	on Continuo	966.66	45.00	38.56	3.28	
	p - Section 2	959.04	47.00	38.26	3.50	
50.00		525.35	49.00	20.96	1.25	
52.00		521.54	51.00	20.81	1.33	
54.00		517.73	53.00	20.65	1.41	
56.00		513.92	55.00	20.50	1.48	
58.00		510.11	57.00	20.35	1.56	
60.00		506.30	59.00	20.20	1.64	
62.00		502.49	61.00	20.05	1.72	
64.00		498.68	63.00	19.89	1.80	
66.00		494.87	65.00	19.74	1.88	
68.00		491.06	67.00	19.59	1.96	
70.00		487.25	69.00	19.44	2.04	
72.00		483.44	71.00	19.29	2.12	
74.00		479.63	73.00	19.13	2.20	
76.00		475.82	75.00	18.98	2.28	
78.00		472.01	77.00	18.83	2.36	
80.00		468.20	79.00	18.68	2.43	
82.00		464.39	81.00	18.53	2.51	
84.00		460.58	83.00	18.37	2.58	
85.00 Bo	t - Section 4	228.86	84.50	9.13	0.74	

Seismic Segment Forces (Factored) 7/10/2023 TIA-222-H Code: CT11560-A Structure: В Exposure: Site Name: Sterling 6 CT SBA Crest Height: 0.00 140.00 (ft) Height: D - Stiff Soil Site Class: 0.000 (ft) Base Elev: Page: 44 Struct Class: Topography: 1 1.1 Gh: 85.50 15.21 1.93 381.32 86.00 87.00 30.22 7.02 757.40 88.00 89.00 29.94 7.20 750.41 90.00 2.05 90.50 14.86 372.59 Top - Section 3 91.00 7.79 0.64 91.50 195.25 92.00 2.33 15.48 388.11 93.00 94.00 73.89 100.26 94.50 2513.1 95.00 Appurtenance(s) 7.58 0.66 95.50 189.89 96.00 97.00 15.06 2.39 377.40 98.00 99.00 14.93 2.44 374.22 100.00 14.80 2.49 101.00 371.05 102.00 367.87 103.00 14.68 2.54 104.00 105.00 14.55 2.59 364.70 106.00 2.64 14.42 361.52 107.00 108.00 2.69 14.30 358.35 109.00 110.00 14.17 2.74 111.00 355.17 112.00 2.78 113.00 14.04 352.00 114.00 13.92 2.82 115.00 348.82 116.00 13.79 2.87 117.00 345.65 118.00 119.00 194.16 379.54 4866.8 Appurtenance(s) 120.00 12.82 2.67 321.30 121.00 122.00 12.69 2.70 318.12 123.00 124.00 12.56 2.73 314.95 125.00 126.00 2.76 127.00 12.44 311.77 128.00 150.05 274.24 3761.2 129.00 130.00 Bot - Section 5 18.40 5.99 131.00 461.19 132.00 18.17 6.02 133.00 455.47 134.00 134.50 9.00 1.69 225.59 Top - Section 4 135.00 0.46 135.50 4.41 110.44 136.00 308.65 151.24 3791.0 136.50 137.00 Appurtenance(s) 3.75 0.35 94.05 137.50 138.00 1.26 186.20 139.00 7.43 140.00 33,807.8 **Total Wind:** 50,018.3 1,995.4 1,167.0

Totals:

Structure: CT11560-A Code: 7/10/2023 TIA-222-H

Site Name: Sterling 6 CT Exposure: В Height: 140.00 (ft) Crest Height: 0.00

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

Gh: 1.1 Topography: 1 Struct Class: II



Page: 45

Load Case: 1.2D + 1.0Ev +	1.0Eh					Y	Iterations	19
Gust Response Factor	1.10			Sds	0.20	X	Ss	0.19
Dead Load Factor	1.20	Seismic Load Factor	1.00	Sd1	0.09	3	S1	0.05
Wind Load Factor	0.00	Structure Frequency (f1)	0.46	SA	0.04	Seismic Importa	nce Factor	1.00

Seg Elev	Pu FY (-)	Vu FX (-)	Tu MY (-)	Mu MZ	Mu MX	Resultant Moment	phi Pn	phi Vn	phi Tn	phi Mn	Total Deflect		Rotation Twist	Stress
(ft)	(kips)			(ft-kips)		(ft-kips)	(kips)	(kips)	(ft-kips)	(ft-kips)	(in)	(deg)	(deg)	Ratio
0.00	-60.81	-1.17	0.00	-146.21	0.00	146.21	5803.10	1561,17	8297.91	7657.05	()	0.00	0.00	0.030
2.00	-59.97	-1.17	0.00	-143.88	0.00	143.88	5778.21	1549.71	8176.51	7567.86		0.00	0.00	0.029
4.00	-59.13	-1.17	0.00	-141.55	0.00	141.55	5753.06	1538.25	8056.00	7478.80		0.00	0.00	0.029
6.00	-58.29	-1.17	0.00	-139.21	0.00	139.21	5727.65	1526.78	7936.39	7389.90		0.00	-0.01	0.029
8.00	-57.47	-1.17	0.00	-136.87	0.00	136.87	5701.98	1515.32	7817.67	7301.16		0.01	-0.01	0.029
10.00	-56.64	-1.17	0.00	-134.52	0.00	134.52	5676.04	1503.86	7699.85	7212.59		0.01	-0.01	0.029
12.00	-55.83	-1.18	0.00	-132.18	0.00	132.18	5649.84	1492.40	7582.92	7124.20		0.01	-0.01	0.028
14.00	-55.01	-1.18	0.00	-129.83	0.00	129.83	5623.38	1480.93	7466.89	7035.98		0.02	-0.01	0.028
16.00	-54.21	-1.18	0.00	-127.47	0.00	127.47	5596.66	1469.47	7351.75	6947.96		0.02	-0.01	0.028
18.00	-53.41	-1.18	0.00	-125.12	0.00	125.12	5569.67	1458.01	7237.50	6860.14		0.03	-0.02	0.028
20.00	-52.61	-1.18	0.00	-122.76	0.00	122.76	5542.43	1446.55	7124.15	6772.52		0.04	-0.02	0.028
22.00	-51.82	-1.18	0.00	-120.40	0.00	120.40	5514.92	1435.08	7011.70	6685.11		0.05	-0.02	0.027
24.00	-51.04	-1.18	0.00	-118.03	0.00	118.03	5487.15	1423.62	6900.13	6597.93		0.06	-0.02	0.027
25.00	-50.65	-1.18	0.00	-116.85	0.00	116.85	5473.16	1417.89	6844.69	6554.42		0.06	-0.02	0.027
25.00	-50.65	-1.18	0.00	-116.85	0.00	116.85	4407.37	1216.64	5879.49	5289.42		0.06	-0.02	0.034
26.00	-50.31	-1.18	0.00	-115.67	0.00	115.67	4397.65	1211.73	5832.10	5256.32		0.07	-0.02	0.033
28.00	-49.63	-1.19	0.00	-113.30	0.00	113.30	4378.03	1201.90	5737.91	5190.16		80.0	-0.03	0.033
30.00	-48.96	-1.19	0.00	-110.93	0.00	110.93	4358.14	1192.08	5644.49	5124.08		0.09	-0.03	0.033
32.00	-48.29	-1.19	0.00	-108.56	0.00	108.56	4338.00	1182.25	5551.83	5058.08		0.10	-0.03	0.033
34.00	-47.63	-1.19	0.00	-106.18	0.00	106.18	4317.58	1172.43	5459.94	4992.17		0.11	-0.03	0.032
36.00	-46.97	-1.19	0.00	-103.81	0.00	103.81	4296.91	1162.60	5368.81	4926.35		0.13	-0.04	0.032
38.00	-46.32	-1.19	0.00	-101.43	0.00	101.43	4275.98	1152.78	5278.46	4860.65		0.14	-0.04	0.032
40.00	-45.67	-1.19	0.00	-99.05	0.00	99.05	4254.78	1142.95	5188.87	4795.05		0.16	-0.04	0.031
41.00	-45.34	-1,19	0.00	-97.86	0.00	97.86	4244.08	1138.04	5144.36	4762.30		0.17	-0.04	0.031
42.00	-44.75	-1.19	0.00	-96.67	0.00	96.67	4233.32	1133.13	5100.04	4729.58		0.18	-0.04	0.031
44.00	-43.56	-1.19	0.00	-94.29	0.00	94.29	4211.60	1123.30	5011.98	4664.23		0.19	-0.04	0.031
46.00	-42.38	-1.19	0.00	-91.92	0.00	91.92	4189.62	1113.48	4924.69	4599.03		0.21	-0.05	0.030
48.00	-41.21	-1.18	0.00	-89.55	0.00	89.55	4202.72	1119.32	4976.50	4637.78		0.23	-0.05	0.029
50.00	-40.57	-1.18	0.00	-87.18	0.00	87.18	4180.63	1109.50	4889.52	4572.63		0.25	-0.05	0.029
52.00	-39.94	-1.18	0.00	-84.82	0.00	84.82	4158.28	1099.67	4803.31	4507.62		0.28	-0.05	0.028
54.00	-39.32	-1.18	0.00	-82.45	0.00	82.45	4135.67	1089.85	4717.86	4442.77		0.30	-0.06	0.028
56.00	-38.70	-1.18	0.00	-80.09	0.00	80.09	4112.79	1080.02	4633.18	4378.08		0.32	-0.06	0.028
58.00	-38.09	-1.18	0.00	-77.73	0.00	77.73	4089.65	1070.20	4549.27	4313.56		0.35	-0.06	0.027
60.00	-37.48	-1.18	0.00	-75.37	0.00	75.37	4066.25	1060.37	4466.12	4249.22		0.37	-0.06	0.027
62.00	-36.88	-1.18	0.00	-73.01	0.00	73.01	4042.59	1050.55	4383.75	4185.07		0.40	-0.06	0.027
64.00	-36.28	-1.18	0.00	-70.66	0.00	70.66	4018.67	1040.72	4302.13	4121.10		0.43	-0.07	0.026
66.00	-35.68	-1.18	0.00	-68.30	0.00	68.30	3994.48	1030.90	4221.29	4057.34		0.45	-0.07	0.026
68.00	-35.09	-1.17	0.00	-65.95	0.00	65.95	3970.03	1021.07	4141.21	3993.79		0.48	-0.07	0.025
70.00	-34.50	-1.17	0.00	-63.60	0.00	63.60	3945.32	1011.25	4061.90	3930.45		0.51	-0.07	0.025
72.00	-33.92	-1.17	0.00	-61.26	0.00	61.26	3920.35	1001.42	3983.36	3867.33		0.54	-0.07	0.024
74.00	-33.35	-1.17	0.00	-58.92	0.00	58.92	3895.11	991.60	3905.58	3804.45		0.58	-0.08	0.024
76.00	-32.78	-1.17	0.00	-56.58	0.00	56.58	3869.62	981.77	3828.57	3741.80		0.61	-0.08	0.024
78.00	-32.21	-1.17	0.00	-54.24	0.00	54.24	3843.86	971.95	3752.32	3679.40		0.64	-0.08	0.023
80.00	-31.65	-1.16	0.00	-51.91	0.00	51.91	3817.84	962.12	3676.85	3617.26		0.68	-0.08	0.023
82.00	-31.09	-1.16	0.00	-49.58	0.00	49.58	3791.55	952.30	3602.14	3555.38		0.71	-0.08	0.022
84.00	-30.54	-1.16	0.00	-47.26	0.00	47.26	3765.01	942.47	3528.19	3493.76		0.75	-0.09	0.022
85.00	-30.26	-1.16	0.00	-46.10	0.00	46.10	3751.64	937.56	3491.51	3463.06		0.77	-0.09	0.021

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7/10/2023 TIA-222-H Code: Structure: CT11560-A

В Site Nam Height:

-4.79

-3.55

-2.30

-1.63

-0.97

-0.65

-0.33

-0.01

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

-0.62

-0.62

-0.34

-0.33

-0.32

-0.32

-0.32

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

86.00 00.88

90.00

91.00

92.00

94.00

95.00

96.00

98.00

100.00 102.00

104.00

106.00

108.00

110.00

112.00

114.00 116.00

118.00

120.00

122.00

124.00

126.00

128.00

130.00

132.00

134.00

135.00

136.00

137.00

138.00

140.00

-11.59

-11.22

-6.57

-6.01

-5.45

-5.18

-5.04

-0.35

-0.23

0.00

Base Elev

Gh:

lame:	Sterling	6 CT				Exposure:	В					
nt:	140.00	(ft)				Crest Heig	ht: 0.0	0			SBA	2))
	0.000 (f					Site Class:	: D-	Stiff Soil				
Elev:	1.1	•)	Ton	ography:	1	Struct Clas	ss: II			Page: 46		
	1.1						932.65	3455.02	3432.43	0.78	-0.09	0.021
-29.80	-1.16	0.00	-44.94	0.00	44.		922.82	3382.61	3371.38	0.82	-0.09	0.020
-28.88	-1.15	0.00	-42.63	0.00	42.		913.00	3310.96	3310.62	0.86	-0.09	0.020
-27.97	-1.14	0.00	-40.33	0.00	40.3		768.71	2816.54	2636.38	0.88	-0.09	0.024
-27.52	-1.14	0.00	-39.19	0.00	39.		764.61	2786.62	2613.82	0.90	-0.09	0.024
-27.28	-1.14	0.00	-38.05	0.00	38.		756.42	2727.26	2568.78	0.94	-0.10	0.023
-26.82	-1.14	0.00	-35.78	0.00	35.		752.33	2697.82	2546.31	0.96	-0.10	0.022
-23.71	-1.06	0.00	-34.64	0.00	34.		748.24	2668.54	2523.87	0.98	-0.10	0.022
-23.49	-1.06	0.00	-33.58	0.00	33. 31.		740.25	2610.46	2479.11	1.02	-0.10	0.021
-23.04	-1.05	0.00	-31.47	0.00			731.86	2553.02	2434.50	1.06	-0.10	0.020
-22.59	-1.05	0.00	-29.36	0.00	29. = 27.		723.67	2496.22	2390.05	1.11	-0.10	0.019
-22.15	-1.05	0.00	-27.26	0.00	27. 25.		715.49	2440.06	2345.77	1,15	-0.10	0.019
-21.71	-1.05	0.00	-25.16	0.00	25. 23.		707.30	2384.53	2301.65	1.19	-0.11	0.018
-21.28	-1.04	0.00	-23.07	0.00	23. 20.		699.11	2329.65	2257.73	1.24	-0.11	0.017
-20.84		0.00	-20.98	0.00	20. 18.		690.92	2275.40	2213.98	1.28	-0.11	0.016
-20.42	-1.04	0.00	-18.90	0.00	16.		682.74	2221.79	2170.44	1.33	-0.11	0.015
-20.00	-1.04	0.00	-16.82	0.00	14.		674.55	2168.82	2127.10	1.38	-0.11	0.014
-19.58	-1.03	0.00	-14.75	0.00	12.		666.36	2116.50	2083.97	1.42	-0.11	0.013
-19.16	-1.03	0.00	-12.69	0.00	10.		658.18	2064.81	2041.07	1.47	-0.11	0.012
-18.75		0.00	-10.63	0.00		58 2602.31	649.99	2013.75	1998.39	1.52	-0.11	0.009
-12.74		0.00	-8.58	0.00		31 2579.81	641.80	1963.34	1955.94	1.57	-0.12	0.009
-12.35		0.00	-7.31	0.00 0.00		05 2557.04	633.61	1913.57	1913.74	1.62	-0.12	0.008
-11.97	-0.63	0.00	-6.05	0.00		70 2537.04	625.43	1864.44	1871.79	1.66	-0.12	0.007

625.43

617.24

609.05

600.86

592.68

478.70

475.42

472.15

468.87

2534.01

2510.72

2487.16

2463.34

2439.27

1824.83

1817.10

1809.31

1801.45

1785.54

4.79

3.55

2.30

1.63

0.97

0.65

0.33

0.01

0.00

0.00

0.006

0.004

0.003

0.003

0.003

0.003

0.000

0.000

0.000

-0.12

-0.12

-0.12

-0.12

-0.12

-0.12

-0.12

-0.12

-0.12

1.71

1.76

1.81

1.86

1.89

1.91

1.94

1.96

2.01

1871.79

1830.10

1788.67

1747.52

1706.65

1291.47

1277.14

1262.84

1248.56

1220.12

1864.44

1815.94

1768.08

1720.87

1674.29

1365.31

1346.69

1328.20

1309.84

462.32 1273.50

Seismic Segment Forces (Factored)

Code:

Structure: CT11560-A

TIA-222-H

7/10/2023

Site Name: Sterling 6 CT

Exposure:

Height:

Gh:

140.00 (ft)

Crest Height: 0.00

Base Elev: 0.000 (ft)

1.1

Topography: 1

Site Class: Struct Class: ||

D - Stiff Soil

Page: 47



Load Case: 0.9D + 1.0Ev +	1.0Eh				Y	Iterations	19
Gust Response Factor	1.10		Sds	0.20	, x	Ss	0.19
Dead Load Factor	0.90 Seismic Load Factor	1.00	Sd1	0.09	Z	S1	0.05
Wind Load Factor	0.00 Structure Frequency (f1)	0.46	SA	0.04	Seismic Importa	nce Factor	1.00

Top				34. 43. 4		Ociainic importance		1.00
Elev		Wz	u_	Vertical	Lateral			
(ft)	Description	(lb)	Hz (lb)	Ev (lb)	Fs (lb)		-	4.50
0.00							R	1.50
2.00		0.00	0.00	0.00	0.00			
4.00		673.07	1.00	26.85	0.00			
		668.62	3.00	26.67	0.01			
6.00		664.18	5.00	26.50	0.03			
8.00		659.73	7.00	26.32	0.05			
10.00		655.29	9.00	26.14	80.0			
12.00		650.84	11.00	25.96	0.12			
14.00		646.40	13.00	25.79	0.16			
16.00		641.95	15.00	25.61	0.21			
18.00		637.51	17.00	25.43	0.26			
20.00		633.07	19.00	25.26	0.31			
22.00		628.62	21.00	25.08	0.37			
24.00		624.18	23.00	24.90	0.43			
25.00	Top - Section 1	310.42	24.50	12.38	0.14			
26.00		270.37	25.50	10.79	0.11			
28.00		537.88	27.00	21.46	0.44			
30.00		534.07	29.00	21.31	0.50			
32.00		530.26	31.00	21.15	0.56			
34.00		526.45	33.00	21.00	0.62			
36.00		522.64	35.00	20.85	0.68			
38.00		518.83	37.00	20.70				
40.00		515.02	39.00		0.74			
41.00	Bot - Section 3	256.08		20.55	0.80			
42.00	201 20010112	478.35	40.50	10.22	0.24			
44.00		950.98	41.50	19.08	0.79			
46.00			43.00	37.94	2.97			
48.00	Top - Section 2	943.36	45.00	37.63	3.18			
50.00	Top - Section 2	935.74	47.00	37.33	3.39			
52.00		502.05	49.00	20.03	1.17			
		498.24	51.00	19.88	1.24			
54.00		494.43	53.00	19.72	1.31			
56.00		490.62	55.00	19.57	1.38			
58.00		486.81	57.00	19.42	1.46			
60.00		483.00	59.00	19.27	1.53			
62.00		479.19	61.00	19.12	1.60			
64.00		475.38	63.00	18.96	1.68			
66.00		471.57	65.00	18.81	1.75			
68.00		467.76	67.00	18.66	1.82			
70.00		463.95	69.00	18.51	1.89			
72.00		460.14	71.00	18.36	1.97			
74.00		456.33	73.00	18.20	2.04			
76.00		452.52	75.00	18.05	2.11			
78.00		448.71	77.00	17.90	2.18			
80.00		444.90	79.00	17.75	2.25			
82.00		441.09	81.00	17.70	2.32			
84.00		437.28	83.00	17.44	2.38			
07.00				17.77	7.00			

Seismic Segment Forces (Factored) 7/10/2023 TIA-222-H Code: CT11560-A Structure: Exposure: Sterling 6 CT Site Name: SBA Crest Height: 0.00 140.00 (ft) Height: D - Stiff Soil Site Class: 0.000 (ft) Base Elev: Page: 48 Struct Class: Topography: 1.1 Gh: 85.50 14.75 1.85 369.67 86.00 29.29 6.73 87.00 734.10 88.00 89.00 29.01 6.89 727.11 90.00 90.50 14.40 1.97 360.94 Top - Section 3 91.00 0.58 91.50 7.32 183.60 92.00 93.00 14.55 2.11 364.81 94.00 74.35 99.79 2501.5 94.50 Appurtenance(s) 95.00 7.13 0.60 178.78 95.50 96.00 14.17 2.17 97.00 355.19 98.00 14.04 2.21 99.00 352.01 100.00 13.92 2.26 101.00 348.84 102.00 13.79 2.30 103.00 345.66 104.00 105.00 13.66 2.34 342.49 106.00 2.39 339.31 107.00 13.54 108.00 2.43 13.41 109.00 336.14 110.00 13.28 2.47 332.96 111.00 112.00 2.50 13.16 329.79 113.00 114.00 2.54 13.03 326.61 115.00 116.00 12.90 2.57 117.00 323.44 118.00 193.27 381.96 119.00 4844.6 Appurtenance(s) 120.00 2.44 121.00 12.11 303.59 122.00 11.98 2.46 123.00 300.41 124.00 2.49 11.86 125.00 297.24 126.00 2.51 11.73 294.06 127.00 128.00 275.92 149.34 3743.5 129.00 130.00 Bot - Section 5 18.04 5.86 131.00 452.22 132.00 17.81 5.89 133.00 446.50 134.00 134.50 8.82 1.65 221.11 135.00 Top - Section 4 135.50 4.23 0.43 105.96 136.00 312.56 136.50 151.06 3786.5 Appurtenance(s) 137.00 3.72 0.35 137.50 93.35 138.00 1.26 184.79 139.00 7.37 140.00 33,807.8 **Total Wind:** 1,935.3 1,167.0

48,511.9

Totals:

Structure: CT11560-A Code: TIA-222-H 7/10/2023

Site Name: Sterling 6 CT Exposure: В Height: 140.00 (ft) Crest Height: 0.00

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

Gh: 1.1 Topography: Struct Class:



Page: 49

Load Case: 0.9D + 1.0Ev + 1.0Eh **Iterations** 19 Gust Response Factor 1.10 Sds 0.20 Ss 0.19 Dead Load Factor 0.90 Seismic Load Factor 1.00 Sd1 0.09 **S1** 0.05

Wind Load Factor 0.00 Structure Frequency (f1) 0.46 SA 0.04 Seismic Importance Factor 1.00 Seg Pμ Vu Tu Mu Mu Resultant phi phi phi phi Total Rotation Rotation Elev FY (-) FX (-) MY (-) ΜZ MX Moment Pπ Vn Τn Mn Deflect Swav Twist **Stress** (ft) (kips) (kips) (ft-kips) (ft-kips) (ft-kips) (ft-kips) (ft-kips) (kips) (kips) (ft-kips) (in) (deg) (deg) Ratio 0.00 -46.05 -1.17 0.00 -145.48 0.00 145.48 5803.10 8297.91 1561.17 7657.05 0.00 0.00 0.027 2.00 -45.41 -1.170.00-143.150.00 143.15 5778.21 1549.71 8176.51 7567.86 0.00 0.00 0.027 4.00 -44.77 -1.170.00 -140.82 0.00 140.82 5753.06 1538.25 8056.00 7478.80 0.00 0.00 0.027 6.00 -44.14 -1.170.00 -138.48 0.00 138.48 5727.65 1526.78 7936.39 7389.90 0.00 -0.01 0.026 8.00 -43.51-1.170.00 -136.15 0.00 136.15 5701.98 1515.32 7817.67 7301.16 0.01-0.01 0.026 10.00 -42.89 -1.170.00 -133.80 0.00 133.80 5676.04 1503.86 7699.85 7212.59 0.01 -0.01 0.026

12.00 -42.27 -1 17 0.00 -131.46 0.00 131.46 5649.84 1492.40 7582.92 7124.20 0.01 -0.010.026 14.00 -41.66 -1.170.00 -129.120.00 129.12 5623.38 1480.93 7466.89 7035 98 0.02 -0.010.026 16.00 -41.05 -1.170.00 -126 77 0.00 126.77 5596.66 1469.47 7351.75 6947.96 0.02 -0.01 0.026 18.00 -40.44 -1.180.00 -124.42 0.00 124.42 5569.67 1458.01 7237.50 6860.14 0.03 -0.020.025 20.00 -39.84-1.18 0.00 -122.070.00 122.07 5542.43 1446.55 7124.15 6772.52 0.04 -0.020.025 22.00 -39.24-1.180.00 -119.720.00 119.72 5514.92 1435.08 7011.70 6685.11 0.05 -0.02 0.025 24.00 -38 65 -1.180.00 -117.36 0.00 117.36 5487.15 1423.62 6900.13 6597.93 0.06 -0.020.025 25.00 -38.35 -1.18 0.00 -116.18 0.00 116.18 5473.16 1417.89 6844.69 6554.42 0.06 -0.020.025 25.00 -38.35 -1.18 0.00 -116.18 0.00 116.18 4407.37 1216.64 5879.49 5289.42 0.06 -0.020.031 26.00 -38.10-1.18 0.00 -115.01 0.00 115.01 4397.65 1211.73 5832.10 5256.32 0.06 -0.020.031 28.00 -37.58 -1.180.00 -112.65 0.00 112.65 4378.03 1201.90 5737.91 5190.16 80.0 -0.03 0.030 30.00 -37.07 -1.18 0.00 -110.29 0.00 110.29 4358.14 1192.08 5644.49 5124.08 0.09 -0.03 0.030 32.00 -36.57 -1.180.00 -107.93 0.00 107.93 4338.00 1182.25 5551.83 5058.08 0.10 -0.03 0.030 34 00 -36.07 -1.180.00 -105.57 0.00 105.57 4317.58 1172 43 5459.94 4992.17 0.11 -0.030.030 36.00 -35.57 -1.180.00 -103.200.00 103.20 4296.91 1162.60 5368.81 4926.35 0.13-0.040.029 38.00 -35.07-1.18 0.00 -100.84 0.00 100.84 4275.98 1152.78 5278.46 4860.65 0.14 -0.040.029 40.00 -34.58 -1.180.00 -98.48 0.00 98.48 4254.78 1142.95 5188.87 4795.05 0.16 -0.040.029 41.00 -34.34 -1.180.00 -97.30 0.00 97.30 4244.08 1138.04 5144.36 4762.30 0.17 -0.04 0.029 42.00 -33.88-1.18 0.00 -96.11 0.00 96.11 4233.32 1133.13 5100.04 4729.58 0.17 -0.04 0.028 44.00 -32.98-1.180.00 -93.750.00 93.75 4211.60 1123.30 5011.98 4664.23 0.19 -0.040.028 46.00 -32 09 -1.180.00 -91.39 0.00 91.39 4189.62 1113.48 4924.69 4599.03 0.21 -0.05 0.028 48.00 -31.20 -1.170.00 -89.040.00 89.04 4202.72 1119.32 4976.50 4637.78 0.23-0.050.027 50.00 -30.72-1.170.00 -86.69 0.00 86.69 4180.63 1109.50 4889.52 4572.63 0.25 -0.05 0.026 52.00 -30.25 -1.170.00 -84.34 0.00 84.34 4158.28 1099.67 4803.31 4507.62 0.27 -0.050.026 54.00 -29.78 -1.170.00 -81.99 0.00 81.99 4135.67 1089.85 4717.86 4442 77 0.30 -0.060.026 56.00 -29.31-1.17 0.00 -79.65 0.00 79.65 4112.79 1080.02 4633.18 4378.08 0.32 -0.06 0.025 -28.85 58.00 -1.170.00 -77.30 0.00 77.30 1070.20 4089.65 4549.27 4313.56 0.34 -0.060.025 60.00 -28 38 -1.170.00 -74.96 0.00 74.96 1060.37 4066.25 4466.12 4249.22 0.37 -0.060.025 62.00 -27.93 -1.170.00 -72.620.00 72.62 4042.59 1050.55 4383.75 4185.07 0.40 -0.06 0.024 64.00 -27.47 -1.170.00 -70.280.00 70.28 4018.67 1040.72 4302.13 4121.10 0.42 -0.070.024 66.00 -27.02-1.170.00 -67.95 0.00 67.95 3994.48 1030.90 4221.29 4057.34 0.45 -0.070.024 68.00 -26.58 -1.170.00 -65.61 0.00 65.61 3970.03 1021.07 4141.21 3993.79 0.48 -0.07 0.023 70.00 -26.13-1.160.00 -63.280.00 63.28 3945.32 1011.25 4061.90 3930.45 0.51 -0.07 0.023 72.00 -25.69 -1.160.00 -60.950.00 60.95 3920.35 1001.42 3983.36 3867.33 0.54 -0.070.022 74.00 -25 26 -1.16 0.00 -58.63 0.00 58.63 3895.11 991.60 3905.58 3804.45 0.57 -0.080.022 76.00 -24.83 -1.160.00 -56.31 0.00 56.31 3869.62 981.77 3828.57 3741.80 0.60 -0.08 0.021 78.00 -24.40 -1.16 0.00 -53.990.00 53.99 3843.86 971.95 3752.32 3679 40 0.64 -0.08 0.021 80.00 -23.97 -1.16 0.00 -51.68 0.00 51.68 3817.84 962.12 3676.85 3617.26 0.67 -0.080.021 82.00 -23.55 -1.150.00 -49.37 0.00 49.37 3791.55 952.30 3602.14 3555.38 0.71 -0.08 0.020 84.00 -23.13-1.15 0.00 -47.060.00 47.06 3765.01 942.47 3528.19 3493.76 0.74-0.09 0.020 85.00 -22.92 -1.150.00 -45.910.00 45.91

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937.56

3491.51

3463.06

0.76

-0.09

0.019

Structure: CT11560-A

Height:

Site Name: Sterling 6 CT

140.00 (ft)

Code:

TIA-222-H

В Exposure: Crest Height: 0.00

7/10/2023

Base	Elev:	0.000 (1	ft)					Site Class:	D -	Stiff Soil				
Gh:		1.1		Тор	ography:	1		Struct Class	s: II			Page: 50		
86.00	-22.57	-1.15	0.00	-44.76	0.00		44.76	3738.20	932.65	3455.02	3432.43	0.78	-0.09	0.019
88.00	-22.37	-1.14	0.00	-42.46	0.00		42.46	3711.13	922.82	3382.61	3371.38	0.82	-0.09	0.018
90.00	-21.19	-1.13	0.00	-40.18	0.00		40.18	3683.80	913.00	3310.96	3310.62	0.85	-0.09	0.018
91.00	-20.84	-1.13	0.00	-39.05	0.00		39.05	2899.19	768.71	2816.54	2636.38	0.87	-0.09	0.022
92.00	-20.67	-1.13	0.00	-37.92	0.00		37.92	2889.87	764,61	2786.62	2613.82	0.89	-0.09	0.022
94.00	-20.32	-1.13	0.00	-35.65	0.00		35.65	2871.03	756.42	2727.26	2568.78	0.93	-0.10	0.021
95.00	-17.96	-1.05	0.00	-34.52	0.00		34.52	2861.52	752.33	2697.82	2546.31	0.95	-0.10	0.020
	-17.79	-1.05	0.00	-33.47	0.00		33.47	2851.93	748.24	2668.54	2523.87	0.97	-0.10	0.020
96.00 98.00	-17.45	-1.05	0.00	-31.37	0.00		31.37	2832.57	740.05	2610.46	2479.11	1.01	-0.10	0.019
100.00	-17.43	-1.05	0.00	-29.27	0.00		29.27	2812.95	731.86	2553.02	2434.50	1.06	-0.10	0.018
	-16.78	-1.03	0.00	-27.18	0.00		27.18	2793.07	723.67	2496.22	2390.05	1.10	-0.10	0.017
102.00	-16.45	-1.04	0.00	-25.09	0.00		25.09	2772.92	715.49	2440.06	2345.77	1.14	-0.10	0.017
104.00	-16.43	-1.04	0.00	-23.03	0.00		23.01	2752.51	707.30	2384.53	2301.65	1.19	-0.11	0.016
106.00	-15.79	-1.04	0.00	-20.93	0.00		20.93	2731.84	699.11	2329.65	2257.73	1.23	-0.11	0.015
108.00	-15.47	-1.04	0.00	-18.86	0.00		18.86	2710.91	690.92	2275.40	2213.98	1.28	-0.11	0.014
110.00	-15.47	-1.03	0.00	-16.79	0.00		16.79	2689.71	682.74	2221.79	2170.44	1.32	-0.11	0.013
112.00		-1.03	0.00	-14.73	0.00		14.73	2668.26	674.55	2168.82	2127.10	1.37	-0.11	0.012
114.00	-14.83		0.00	-12.67	0.00		12.67		666.36	2116.50	2083.97	1.42	-0.11	0.012
116.00	-14.52	-1.03	0.00	-10.62	0.00		10.62		658.18	2064.81	2041.07	1.46	-0.11	0.011
118.00	-14.21	-0.63	0.00	-8.57	0.00		8.57		649.99	2013.75	1998.39	1.51	-0.11	0.008
120.00	-9.65		0.00	-7.31	0.00		7.31	2579.81	641.80	1963.34	1955.94	1.56	-0.11	0.007
122.00	-9.36 -9.07	-0.63	0.00	-6.05	0.00		6.05		633.61	1913.57	1913.74	1.61	-0.12	0.007
124.00	-9.07 -8.79		0.00	-4.80	0.00		4.80		625.43	1864.44	1871.79	1.66	-0.12	0.006
126.00		-0.62	0.00	-3.55	0.00		3.55		617.24	1815.94	1830.10	1.70	-0.12	0.005
128.00	-8.51		0.00	-2.31	0.00		2.31	2487.16	609.05	1768.08	1788.67	1.75	-0.12	0.003
130.00	-4.98		0.00	-1.63	0.00		1.63		600.86	1720.87	1747.52	1.80	-0.12	0.003
132.00	-4.55		0.00	-0.97	0.00		0.97		592.68	1674.29	1706.65	1.85	-0.12	0.002
134.00	-4.13		0.00	-0.65	0.00		0.65		478.70	1365.31	1291.47	1.88	-0.12	0.003
135.00	-3.92		0.00	-0.03	0.00		0.33		475.42	1346.69	1277.14	1.90	-0.12	0.002
136.00	-3.82			0.00	0.00		0.00		472.15	1328.20	1262.84	1.93	-0.12	0.000
137.00	-0.26		0.00	0.00	0.00		0.00		468.87	1309.84	1248.56	1.95	-0.12	0.000
138.00	-0.17		0.00	0.00	0.00		0.00		462.32		1220.12	2.00	-0.12	0.000
140.00	0.00	0.00	0.00	0.00	0.00		0.00	1700.04	.02.02					

Wind Loading - Shaft

Structure: CT11560-A Code: TIA-222-H 7/10/2023

Site Name: Sterling 6 CT **Exposure:** В Height: 140.00 (ft) Crest Height: 0.00

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

Gh: 1.1 Topography: 1 Struct Class: II



Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00 Wind Load Factor 1.00



Page: 51

Iterations

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Elev (ft) De	escription	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	5.377	5.91	271.31	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
2.00		1.00	0.70	5.377	5.91	269.33	0.730	0.000	2.00	10.876	7.94	47.0	0.0	603.2
4.00		1.00	0.70	5.377	5.91	267.35	0.730	0.000	2.00	10.796	7.88	46.6	0.0	598.7
6.00		1.00	0.70	5.377	5.91	265.37	0.730	0.000	2.00	10.717	7.82	46.3	0.0	594.3
8.00		1.00	0.70	5.377	5.91	263.39	0.730	0.000	2.00	10.637	7.77	45.9	0.0	589.8
10.00		1.00	0.70	5.377	5.91	261.42	0.730	0.000	2.00	10.558	7.71	45.6	0.0	585.4
12.00		1.00	0.70	5.377	5.91	259.44	0.730	0.000	2.00	10.478	7.65	45.2	0.0	580.9
14.00		1.00	0.70	5.377	5.91	257.46	0.730	0.000	2.00	10.398	7.59	44.9	0.0	576.5
16.00		1.00	0.70	5.377	5.91	255.48	0.730	0.000	2.00	10.319	7.53	44.6	0.0	572.1
8.00		1.00	0.70	5.377	5.91	253.50	0.730	0.000	2.00	10.239	7.47	44.2	0.0	567.6
20.00		1.00	0.70	5.377	5.91	251.52	0.730	0.000	2.00	10.160	7.42	43.9	0.0	563.2
22.00		1.00	0.70	5.377	5.91	249.54	0.730	0.000	2.00	10.080	7.36	43.5	0.0	558.7
4.00		1.00	0.70	5.377	5.91	247.57	0.730	0.000	2.00	10.000	7.30	43.2	0.0	554.3
25.00 Top - Se	ction 1	1.00	0.70	5.377	5.91	246.58	0.730	0.000	1,00	4.970	3.63	21.5	0.0	275.5
26.00		1.00	0.70	5.377	5.91	245.59	0.730	0.000	1.00	4.950	3.61	21.4	0.0	235.4
8.00		1.00	0.70	5.377	5.91	243.61	0.730	0.000	2.00	9.841	7.18	42.5	0.0	468.0
0.00		1.00	0.70	5.381	5.92	241.73	0.730	0.000	2.00	9.762	7.13	42.2	0.0	464.2
2.00		1.00	0.71	5.482	6.03	241.97	0.730	0.000	2.00	9.682	7.07	42.6	0.0	460.4
4.00		1.00	0.73	5.577	6.14	242.06	0.730	0.000	2.00	9.602	7.01	43.0	0.0	456.6
6.00		1.00	0.74	5.669	6.24	242.02	0.730	0.000	2.00	9.523	6.95	43.4	0.0	452.7
8.00		1.00	0.75	5.757	6.33	241.85	0.730	0.000	2.00	9.443	6.89	43.7	0.0	448.9
0.00		1.00	0.76	5.842	6.43	241.56	0.730	0.000	2.00	9.364	6.84	43.9	0.0	445.1
1.00 Bot - Sec	ction 3	1.00	0.77	5.884	6.47	241.38	0.730	0.000	1.00	4.652	3.40	22.0	0.0	221.1
2.00		1.00	0.77	5.924	6.52	241.18	0.730	0.000	1.00	4.696	3.43	22.3	0.0	443.4
4.00		1.00	0.78	6.004	6.60	240.69	0.730	0.000	2.00	9.331	6.81	45.0	0.0	881.1
6.00		1.00	0.79	6.080	6.69	240.12	0.730	0.000	2.00	9.252	6.75	45.2	0.0	873.5
8.00 Top - Se	ction 2	1.00	0.80	6.155	6.77	239.47	0.730	0.000	2.00	9.172	6.70	45.3	0.0	865.8
0.00		1.00	0.81	6.227	6.85	242.14	0.730	0.000	2.00	9.093	6.64	45.5	0.0	432.1
2.00		1.00	0.82	6.297	6.93	241.36	0.730	0.000	2.00	9.013	6.58	45.6	0.0	428.3
4.00		1.00	0.83	6.365	7.00	240.51	0.730	0.000	2.00	8.933	6.52	45.7	0.0	424.5
6.00		1.00	0.84	6.432	7.08	239.60	0.730	0.000	2.00	8.854	6.46	45.7	0.0	420.7
8.00		1.00	0.85	6.497	7.15	238.63	0.730	0.000	2.00	8.774	6.41	45.8	0.0	416.9
0.00		1.00	0.85	6.560	7.22	237.60	0.730	0.000	2.00	8.694	6.35	45.8	0.0	413.1
2.00		1.00	0.86	6.622	7.28	236.52	0.730	0.000	2.00	8.615	6.29	45.8	0.0	409.3
4.00		1.00	0.87	6.682	7.35	235.39	0.730	0.000	2.00	8.535	6.23	45.8	0.0	405.5
6.00		1.00	0.88	6.741	7.42	234.21	0.730	0.000	2.00	8.456	6.17	45.8	0.0	401.7
8.00		1.00	0.89	6.799	7.48	232.99	0.730	0.000	2.00	8.376	6.11	45.7	0.0	397.9
0.00		1.00	0.89	6.855	7.54	231.72	0.730	0.000	2.00	8.296	6.06	45.7	0.0	394.0
2.00		1.00	0.90	6.911	7.60		0.730	0.000	2.00	8.217	6.00	45.6	0.0	390,2
4.00		1.00	0.91	6.965	7.66	229.06	0.730	0.000		8.137	5.94	45.5	0.0	386.4
6.00		1.00	0.91	7.018	7.72	227.68		0.000	2.00	8.058	5.88	45.4	0.0	382.6
8.00		1.00	0.92	7.071	7.78	226.25	0.730	0.000	2.00	7.978	5.82	45.3	0.0	378.8
0.00		1.00	0.93	7.122	7.83	224.80		0.000	2.00	7.898	5.77	45.2	0.0	375.0
2.00		1.00	0.93	7.172	7.89	223.31		0.000	2.00	7.819	5.71	45.0	0.0	371.2
4.00		1.00	0.94	7.222	7.94	221.78		0.000	2.00	7.739	5.65	44.9	0.0	367.4
5.00 Bot - Sec	tion 4	1.00		7.246	7.97		0.730	0.000	1.00	3.840	2.80	22.3	0.0	182.3
6.00		1.00		7.271	8.00	220.23		0.000		3.873	2.83	22.6	0.0	334.7

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Wind Loading - Shaft

7/10/2023 TIA-222-H Code: CT11560-A Structure:

В Exposure: Site Name: Sterling 6 CT Crest Height: 0.00 140.00 (ft) Height:

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

Struct Class



Gh:	1.1		Topog	raphy:	1	Str	uct Cl	ass:				Page: 52		
88.00		1.00	0.95	7.319	8.05	218.65	0.730	0.000	2.00	7.686	5.61	45.2	0.0	664.2
90.00		1.00	0.96	7.366	8.10	217.03	0.730	0.000	2.00	7.606	5.55	45.0	0.0	657.2
91.00 Top - Se	ection 3	1.00	0.96	7.389	8.13	216.22	0.730	0.000	1.00	3.773	2.75	22.4	0.0	326.0
92.00	01.011	1.00	0.96	7.412	8.15	218.48	0.730	0.000	1.00	3.753	2.74	22.3	0.0	148.6
94.00		1.00	0.97	7.458	8.20	216.82	0.730	0.000	2.00	7.447	5.44	44.6	0.0	294.9
95.00 Appurte	nance(s)	1.00	0.97	7.480	8.23	215.98	0.730	0.000	1.00	3.694	2.70	22.2	0.0	146.3
96.00		1.00	0.98	7.503	8.25	215.14	0.730	0.000	= 1.00	3.674	2.68	22.1	0.0	145.5
98.00		1.00	0.98	7.547	8.30	213.43	0.730	0.000	2.00	7.288	5.32	44.2	0.0	288.6
100.00		1.00	0.99	7.591	8.35	211.69	0.730	0.000	2.00	7.208	5.26	43.9	0.0	285.4
02.00		1.00	0.99	7.634	8.40	209.94	0.730	0.000	2.00	7.129	5.20	43.7	0.0	282.2
104.00		1.00	1.00	7.676	8.44	208.16	0.730	0.000	2.00	7.049	5.15	43.5	0.0	279.0
06.00		1.00	1.00	7.718	8.49	206.35	0.730	0.000	2.00	6.969	5.09	43.2	0.0	275.9
08.00		1.00	1.01	7.760	8.54	204.53	0.730	0.000	2.00	6.890	5.03	42.9	0.0	272.7
10.00		1.00	1.02	7.800	8.58	202.68	0.730	0.000	2.00	6.810	4.97	42.7	0.0	269.5
112.00		1.00	1.02	7.841	8.62	200.81	0.730	0.000	2.00	6.731	4.91	42.4	0.0	266.3
114.00		1.00	1.03	7.880	8.67	198.93	0.730	0.000	2.00	6.651	4.86	42.1	0.0	263.2
116.00		1.00	1.03	7.920	8.71	197.02	0.730	0.000	2.00	6.571	4.80	41.8	0.0	260.0
118.00		1.00	1.04	7.958	8.75	195.10	0.730	0.000	2.00	6.492	4.74	41.5	0.0	256.8
20.00 Appurte	nance(s)	1.00	1.04	7.997	8.80	193.15	0.730	0.000	2.00	6.412	4.68	41.2	0.0	253.6
22.00	(-)	1.00	1.05	8.035	8.84	191.19	0.730	0.000	2.00	6.333	4.62	40.9	0.0	250.5
124.00		1.00	1.05	8.072	8.88	189.21	0.730	0.000	2.00	6.253	4.56	40.5	0.0	247.3
26.00		1.00	1.06	8.109	8.92	187.21	0.730	0.000	2.00	6.173	4.51	40.2	0.0	244.1
28.00		1.00	1.06	8.146	8.96	185.20	0.730	0.000	2.00	6.094	4.45	39.9	0.0	240.9
30.00 Bot - Se	ction 5	1.00	1.07	8.182	9.00	183.17	0.730	0.000	2.00	6.014	4.39	39.5	0.0	237.8
32.00		1.00	1.07	8.217	9.04	181.13	0.730	0.000	2.00	6.019	4.39	39.7	0.0	425.3
134.00		1.00	1.07	8.253	9.08	179.06	0.730	0.000	2.00	5.940	4.34	39.4	0.0	419.6
35.00 Top - Se	ection 4	1.00	1.08	8.270	9.10	178.03	0.730	0.000	1.00	2.940	2.15	19.5	0.0	207.6
136.00		1.00	1.08	8.288	9.12	179.60	0.730	0.000	1.00	2.920	2.13	19.4	0.0	92.5
37.00 Appurte	nance(s)	1.00	1.08	8.305	9.14	178.56	0.730	0.000	1.00	2.900	2.12	19.3	0.0	91.9
138.00 Apparto		1.00	1.08	8.323	9.15	177.51	0.730	0.000	1.00	2.880	2.10	19.2	0.0	91.2
140.00		1.00	1.09	8.357	9.19	175.41	0.730	0.000	2.00	5.701	4.16	38.3	0.0	180.6
								Totals:	140.00			3,061.9		30,014.2

Discrete Appurtenance Forces

Structure: CT11560-A

Site Name: Sterling 6 CT Height:

140.00 (ft)

Base Elev: 0.000 (ft)

Gh: 1.1 Code:

TIA-222-H

Exposure: В

Crest Height: 0.00

Site Class: D - Stiff Soil

Struct Class: ||

7/10/2023

Page: 53



Load Case: 1.0D + 1.0W 60 mph Wind

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

Topography: 1



Iterations

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No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load	Horiz Ecc (ft)	Vert Ecc	Wind FX	Mom Y	Mom Z
1		Low Profile Platform	1	8.305	9.136	1.00	1.00	22.00	(Ib)		(ft)	(lb)	(lb-ft)	(lb-ft)
2		Antel BXA-70063-6CF-2	3	8.305	9.136	0.58	0.75	13.12	1500.00 51.00	0.000	0.000	200.99	0.00	0.00
3		JAHH-65B-R3B	6	8.305	9.136	0.56	0.75	47.85	481.20	0.000	0.000	119.82	0.00	0.00
4		Samsung B5/B13	3	8.305	9.136	0.58	0.75	3.26	210.90	0.000	0.000 0.000	437.10	0.00	0.00
5		Samsung B2/B66A	3	8.305	9.136	0.62	0.75	3.51	253.20	0.000	0.000	29.76 32.07	0.00	0.00
6		Kaelus BSF0020F3V1-1	4	8.305	9.136	0.49	0.75	1.87	70.40	0.000	0.000	32.07 17.10	0.00	0.00
7		(3) Stabilizer Kit (4' FW)	1	8.305	9.136	1.00	1.00	3.70	140.00	0.000	0.000			0.00
8		MT6407-77A	3	8.305	9.136	0.52	0.75	7.40	261.30	0.000	0.000	33.80 67.63	0.00	0.00
9		Commscope	3	8.305	9.136	0.66	0.75	0.73	31.20	0.000	0.000	6.69	0.00	0.00
10		Raycap OVP-12	1	8.305	9.136	0.66	0.75	2.68	32.00	0.000	0.000	24.48	0.00	0.00 0.00
11		(3) HR w/ Double V-Brace	1	8.305	9.136	1.00	1.00	15.50	650.00	0.000	0.000	141.60	0.00	0.00
12		HRK12 (Handrail Kit)	1	8.182	9.000	1.00	1.00	10.00	261.72	0.000	0.000	90.00	0.00	0.00
13		HPA-65R-BU8AA	3	8.182	9.000	0.65	0.75	21.73	162.00	0.000	0.000	195.57	0.00	0.00
14		DMP65R-BU8DA	3	8.182	9.000	0.55	0.75	29.35	287.10	0.000	0.000	264.16	0.00	0.00
15	130.00	RRUS 4449 B5/B12	3	8.182	9.000	0.68	0.75	3.32	219.00	0.000	0.000	29.89	0.00	0.00
16	130.00	LGP17201	6	8.182	9.000	0.50	0.75	5.04	60.00	0.000	0.000	45.31	0.00	0.00
17	130.00	RRUS 8843 B2 B66A	3	8.182	9.000	0.68	0.75	3.36	216.00	0.000	0.000	30.22	0.00	0.00
18	130.00	Low Profile Platform	1	8.182	9.000	1.00	1.00	22.00	1500.00	0.000	0.000	198.00	0.00	0.00
19	130.00	DC6-48-60-18-8F	1	8.182	9.000	0.60	0.75	2.22	32.80	0.000	0.000	19.98	0.00	0.00
20	130.00	Powerwave LGP21401 -	6	8.182	9.000	0.53	0.75	2.62	105.00	0.000	0.000	23.58	0.00	0.00
21	130.00	7770.00	6	8.182	9.000	0.58	0.75	19.09	162.00	0.000	0.000	171.83	0.00	0.00
22	130.00	15'x2.875"mount pipe	3	8.182	9.000	1.00	1.00	12.93	261.00	0.000	0.000	116.37	0.00	0.00
23	130.00	Powerwave LGP21901 -	6	8.182	9.000	0.50	0.75	5.04	186.00	0.000	0.000	45.31	0.00	0.00
24	120.00	PRK-1245 (kicker kit)	1	7.997	8.796	1.00	1.00	9.50	464.91	0.000	0.000	83.57	0.00	0.00
25		APX16DWV-16DWVS-E-A	3	7.997	8.796	0.50	0.75	9.74	122.10	0.000	0.000	85.66	0.00	0.00
26	120.00	APXVAA4L24-43-U-NA20	3	7.997	8.796	0.54	0.75	32.79	368.40	0.000	0.000	288.42	0.00	0.00
27	120.00	AIR6449 B41	3	7.997	8.796	0.53	0.75	9.03	309.00	0.000	0.000	79.40	0.00	0.00
28	120.00	LP-RMQP-4096-HK Plat	1	7.997	8.796	1.00	1.00	51.70	2669.00	0.000	0.000	454.77	0.00	0.00
29	120.00	4460 B25 + B66	3	7.997	8.796	0.67	0.75	4.29	312.00	0.000	0.000	37.70	0.00	0.00
30	120.00	4480 B71 + B85	3	7.997	8.796	0.56	0.75	4.08	279.00	0.000	0.000	35.92	0.00	0.00
31	95.00	Raycap	1	7.480	8.228	1.00	1.00	2.01	21.90	0.000	0.000	16.54	0.00	0.00
32	95.00	Fujitsu TA08025-B605	3	7.480	8.228	0.50	0.75	2.95	225.00	0.000	0.000	24.31	0.00	0.00
33		Fujitsu TA08025-B604	3	7.480	8.228	0.50	0.75	2.95	191.70	0.000	0.000	24.31	0.00	0.00
34		Commscope	3	7.480	8.228	0.55	0.75	20.15	212.40	0.000	0.000	165.83	0.00	0.00
35	95.00	MC-PK10-DSH	1	7.480	8.228	1.00	1,00	46.50	1669.30	0.000	0.000	382.62	0.00	0.00
							Totalo		42 070 F2		5.550	4 000 00	0.00	0.00

Totals:

13,978.53

4,020.32

Total Applied Force Summary

CT11560-A Structure:

Site Name: Sterling 6 CT

Height:

140.00 (ft)

Base Elev: 0.000 (ft)

Gh: 1.1 Code:

Topography: 1

Exposure:

Crest Height: 0.00

TIA-222-H

В

D - Stiff Soil Site Class:

Struct Class: II

7/10/2023

SBA

Page: 54

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor

1.00

1.00 Wind Load Factor



21 **Iterations**

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	*
2.00		46.96	680.84	0.00	0.00	
4.00		46.61	676.39	0.00	0.00	
6.00		46.27	671.95	0.00	0.00	
8.00		45.93	667.50	0.00	0.00	
10.00		45.58	663.06	0.00	0.00	
12.00		45.24	658.61	0.00	0.00	
14.00		44.90	654.17	0.00	0.00	
16.00		44.55	649.72	0.00	0.00	
18.00		44.21	645.28	0.00	0.00	
20.00		43.87	640.83	0.00	0.00	
22.00		43.52	636.39	0.00	0.00	
24.00		43.18	631.94	0.00	0.00	
25.00		21.46	314.30	0.00	0.00	
26.00		21.37	274.25	0.00	0.00	
28.00		42.49	545.65	0.00	0.00	
30.00		42.18	541.84	0.00	0.00	
32.00		42.62	538.03	0.00	0.00	
34.00		43.01	534.22	0.00	0.00	
36.00		43.35	530.41	0.00	0.00	
38.00		43.66	526.60	0.00	0.00	
40.00		43.93	522.79	0.00	0.00	
41.00		21.98	259.96	0.00	0.00	
42.00		22.34	482.23	0.00	0.00	
44.00		44.99	958.74	0.00	0.00	
46.00		45.17	951.12	0.00	0.00	
48.00		45.33	943.50	0.00	0.00	
50.00		45.47	509.81	0.00	0.00	
52.00		45.58	506.00	0.00	0.00	
54.00		45.66	502.19	0.00	0.00	
56.00		45.73	498.38	0.00	0.00	
58.00		45.77	494.57	0.00	0.00	
60.00		45.80	490.76	0.00	0.00	
62.00		45.81	486.95	0.00	0.00	
64.00		45.80	483.14	0.00	0.00	
66.00		45.77	479.33	0.00	0.00	
68.00		45.73	475.52	0.00	0.00	
70.00		45.67	471.71	0.00	0.00	
72.00		45.60	467.90	0.00	0.00	
74.00		45.51	464.09	0.00	0.00	
76.00		45.41	460.28	0.00	0.00	
78.00		45.30	456.47	0.00	0.00	
80.00		45.17	452.66	0.00	0.00	
82.00		45.03	448.85	0.00	0.00	
84.00		44.88	445.04	0.00	0.00	
85.00		22.34	221.09	0.00	0.00	
86.00		22.61	373.55	0.00	0.00	

Total Applied Force Summary

Structure: CT11560-A Code: TIA-222-H 7/10/2023

Site Name: Sterling 6 CT Exposure: В



Heigh	` '				Height: 0.00		SBA
Base I	Elev: 0.000 (ft)			Site Cl	ass: D - Stiff Soil		
Gh:	1.1	Тор	oography: 1	Struct	Class:	Page: 55	
88.00		45.17	741.86	0.00	0.00		
90.00		44.99	734.88	0.00	0.00		
91.00		22.39	364.82	0.00	0.00		
92.00		22.34	187.48	0.00	0.00		
94.00		44.60	372.58	0.00	0.00		
95.00	(11) attachments	635.80	2505.40	0.00	0.00		
96.00		22.13	182.49	0.00	0.00		
98.00		44.17	362.59	0.00	0.00		
100.00		43.94	359.42	0.00	0.00		
102.00		43.70	356.24	0.00	0.00		
104.00		43.45	353.07	0.00	0.00		
106.00		43.19	349.89	0.00	0.00		
108.00		42.93	346.72	0.00	0.00		
110.00		42.66	343.54	0.00	0.00		
112.00		42.38	340.37	0.00	0.00		
114.00		42.09	337.19	0.00	0.00		
116.00		41.79	334.02	0.00	0.00		
118.00		41.49	330.84	0.00	0.00		
120.00	(17) attachments	1106.61	4852.08	0.00	0.00		
122.00		40.86	309.49	0.00	0.00		
124.00		40.53	306.32	0.00	0.00		
126.00		40.20	303.14	0.00	0.00		
128.00		39.86	299.97	0.00	0.00		
130.00	(42) attachments	1269.73	3749.41	0.00	0.00		
132.00		39.72	455.21	0.00	0.00		
134.00		39.36	449.49	0.00	0.00		
135.00		19.52	222.60	0.00	0.00		
136.00		19.43	107.45	0.00	0.00		
137.00	(29) attachments	1130.39	3788.02	0.00	0.00		
138.00	, -	19.25	93.58	0.00	0.00		
140.00		38.26	185.26	0.00	0.00		
	Totals:	7,082.25	49,014.04	0.00	0.00		

Structure: CT11560-A

Code: TIA-222-H

7/10/2023

Site Name: Sterling 6 CT Height: 140.00 (ft)

1.1

Exposure: B
Crest Height: 0.00

Site Class: D - Stiff Soil

Base Elev: 0.000 (ft)

Gh:

Topography: 1 Struct Class: ||

Page: 56

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00 Wind Load Factor 1.00



Iterations

SBA

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)
	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.015	0.000	5.377	0.00	0.55
	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.015	0.000	5.377	0.00	4.16
	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.016	0.000	5.377	0.00	0.55
	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.016	0.000	5.377	0.00	4.16
	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.016	0.000	5.377	0.00	0.55
	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.016	0.000	5.377	0.00	4.16
	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.016	0.000	5.377	0.00	0.55
	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.016	0.000	5.377	0.00	4.16
		Yes	2.00	0.000	0.38	0.06	0.00	0.016	0.000	5.377	0.00	0.55
	Safety Cable	Yes	2.00	0.000	0.63	0.10	0.00	0.016	0.000	5.377	0.00	4.16
	Step bolts (ladder)	Yes	2.00	0.000	0.38	0.06	0.00	0.016	0.000	5.377	0.00	0.55
	Safety Cable	Yes	2.00	0.000	0.63	0.10	0.00	0.016	0.000	5.377	0.00	4.16
	Step bolts (ladder)	Yes	2.00	0.000	0.38	0.06	0.00	0.016	0.000	5.377	0.00	0.55
	Safety Cable	Yes	2.00	0.000	0.63	0.10	0.00	0.016	0.000	5.377	0.00	4.16
	Step bolts (ladder)	Yes	2.00	0.000	0.38	0.06	0.00	0.016	0.000	5.377	0.00	0.55
	Safety Cable	Yes	2.00	0.000	0.63	0.10	0.00	0.016	0.000	5.377	0.00	4.16
	Step bolts (ladder)		2.00	0.000	0.38	0.06	0.00	0.016	0.000	5.377	0.00	0.55
	Safety Cable	Yes	2.00	0.000	0.63	0.10	0.00	0.016	0.000	5.377	0.00	4.16
	Step bolts (ladder)	Yes	2.00	0.000	0.38	0.06	0.00	0.017	0.000	5.377	0.00	0.55
	Safety Cable	Yes		0.000	0.63	0.10	0.00	0.017	0.000	5.377	0.00	4.16
	Step bolts (ladder)	Yes	2.00	0.000	0.38	0.06	0.00	0.017	0.000	5.377	0.00	0.55
	Safety Cable	Yes	2.00		0.63	0.10	0.00	0.017	0.000	5.377	0.00	4.16
	Step bolts (ladder)	Yes	2.00	0.000	0.83	0.16	0.00	0.017	0.000	5.377	0.00	0.55
_	Safety Cable	Yes	2.00	0.000	0.63	0.10	0.00	0.017	0.000	5.377	0.00	4.16
24.00	Step bolts (ladder)	Yes	2.00	0.000	0.83	0.10	0.00	0.017	0.000	5.377	0.00	0.27
	Safety Cable	Yes	1.00	0.000		0.05	0.00	0.017	0.000	5.377	0.00	2.08
	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.03	0.00	0.017	0.000	5.377	0.00	0.27
26.00	Safety Cable	Yes	1.00	0.000	0.38	0.05	0.00	0.017	0.000	5.377	0.00	2.08
-	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.017	0.000	5.377	0.00	0.55
28.00	Safety Cable	Yes	2.00	0.000	0.38		0.00	0.017	0.000	5.377	0.00	4.16
28.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.017	0.000	5.381	0.00	0.55
30.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.017	0.000	5.381	0.00	4.16
30.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.017	0.000	5.482	0.00	0.55
32.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.017	0.000	5.482	0.00	4.16
32.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10			0.000	5.577	0.00	0.55
34.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.018	0.000	5.577	0.00	4.16
34.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.018		5.669	0.00	0.55
36.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.018	0.000	5.669	0.00	4.16
36.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.018	0.000	5.757	0.00	0.55
38.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.018	0.000	5.757 5.757	0.00	4.16
	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.018	0.000		0.00	0.55
	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.018	0.000	5.842	0.00	4.16
	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.018	0.000	5.842		0.27
	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.018	0.000	5.884	0.00	2.08
	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.018	0.000	5.884	0.00	
	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.018	0.000	5.924	0.00	0.27
	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.018	0.000	5.924	0.00	2.08
	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.018	0.000	6.004	0.00	0.55

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Structure: CT11560-A

Site Name: Sterling 6 CT

140.00 (ft)

Base Elev: 0.000 (ft)

Gh: 1.1

Height:

Code:

TIA-222-H

Exposure: В

Crest Height: 0.00

Site Class: D - Stiff Soil

Struct Class: ||

Page: 57

7/10/2023

SBA

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor Wind Load Factor 1.00

Topography: 1

1.00

Iterations

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)
44.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.018	0.000	6.004	0.00	4.16
46.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.018	0.000	6.080	0.00	0.55
46.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.018	0.000	6.080	0.00	4.16
48.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.019	0.000	6.155	0.00	0.55
48.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	6.155	0.00	4.16
50.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.019	0.000	6.227	0.00	0.55
50.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	6.227	0.00	4.16
52.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.019	0.000	6.297	0.00	0.55
52.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	6.297	0.00	4.16
54.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.019	0.000	6.365	0.00	0.55
54.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	6,365	0.00	4.16
56.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.019	0.000	6.432	0.00	0.55
56.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	6.432	0.00	4.16
58.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.019	0.000	6.497	0.00	0.55
58.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	6.497	0.00	
60.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.019	0.000	6.560	0.00	4.16
60.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.019	0.000	6.560		0.55
62.00	Safety Cable	Yes	2.00	0.000	0.38	0.16	0.00	0.019			0.00	4.16
62.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10			0.000	6.622	0.00	0.55
64.00	Safety Cable	Yes	2.00	0.000	0.38	0.10	0.00	0.020	0.000	6.622	0.00	4.16
64.00	Step bolts (ladder)	Yes	2.00	0.000	0.63		0.00	0.020	0.000	6.682	0.00	0.55
66.00	Safety Cable	Yes	2.00	0.000		0.10	0.00	0.020	0.000	6.682	0.00	4.16
66.00	Step bolts (ladder)	Yes	2.00	0.000	0.38	0.06	0.00	0.020	0.000	6.741	0.00	0.55
68.00	Safety Cable	Yes	2.00	0.000	0.63	0.10	0.00	0.020	0.000	6.741	0.00	4.16
68.00	Step bolts (ladder)	Yes	2.00		0.38	0.06	0.00	0.020	0.000	6.799	0.00	0.55
70.00	Safety Cable	Yes		0.000	0.63	0.10	0.00	0.020	0.000	6.799	0.00	4.16
70.00	Step bolts (ladder)	Yes	2.00	0.000	0.38	0.06	0.00	0.020	0.000	6.855	0.00	0.55
72.00	Safety Cable	Yes	2.00	0.000	0.63	0.10	0.00	0.020	0.000	6.855	0.00	4.16
72.00	Step bolts (ladder)	Yes	2.00	0.000	0.38	0.06	0.00	0.020	0.000	6.911	0.00	0.55
74.00	Safety Cable		2.00	0.000	0.63	0.10	0.00	0.020	0.000	6.911	0.00	4.16
74.00	Step bolts (ladder)	Yes	2.00	0.000	0.38	0.06	0.00	0.021	0.000	6.965	0.00	0.55
76.00	Safety Cable	Yes	2.00	0.000	0.63	0.10	0.00	0.021	0.000	6.965	0.00	4.16
76.00	Step bolts (ladder)	Yes	2.00	0.000	0.38	0.06	0.00	0.021	0.000	7.018	0.00	0.55
78.00	Safety Cable	Yes	2.00	0.000	0.63	0.10	0.00	0.021	0.000	7.018	0.00	4.16
	•	Yes	2.00	0.000	0.38	0.06	0.00	0.021	0.000	7.071	0.00	0.55
78.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.021	0.000	7.071	0.00	4.16
80.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.021	0.000	7.122	0.00	0.55
80.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.021	0.000	7.122	0.00	4.16
82.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.022	0.000	7.172	0.00	0.55
82.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.022	0.000	7.172	0.00	4.16
	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.022	0.000	7.222	0.00	0.55
	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.022	0.000	7.222	0.00	4.16
	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.022	0.000	7.246	0.00	0.27
	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.022	0.000	7.246	0.00	2.08
	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.022	0.000	7.271	0.00	0.27
86.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.022	0.000	7.271	0.00	2.08
88.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.022	0.000	7.319	0.00	0.55
88.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.022	0.000	7.319	0.00	4.16

CT11560-A Structure:

Code:

TIA-222-H

В

7/10/2023

Site Name: Sterling 6 CT

Exposure:

Height:

Gh:

140.00 (ft)

Crest Height: 0.00



Base Elev: 0.000 (ft)

1.1

Topography: 1

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

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Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor

1.00

Iterations

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	2.00	0.000	0.38	0.06	0.00	0.022	0.000	7.366	0.00	0.55
	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.022	0.000	7.366	0.00	4.16
	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.023	0.000	7.389	0.00	0.27
	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.023	0.000	7.389	0.00	2.08
		Yes	1.00	0.000	0.38	0.03	0.00	0.022	0.000	7.412	0.00	0.27
	Safety Cable Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.022	0.000	7.412	0.00	2.08
	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.023	0.000	7.458	0.00	0.55
	•	Yes	2.00	0.000	0.63	0.10	0.00	0.023	0.000	7.458	0.00	4.16
	Step bolts (ladder)	Yes	1.00	0.000	0.38	0.03	0.00	0.023	0.000	7.480	0.00	0.27
	Safety Cable	Yes	1.00	0.000	0.63	0.05	0.00	0.023	0.000	7.480	0.00	2.08
	Step bolts (ladder)		1.00	0.000	0.38	0.03	0.00	0.023	0.000	7.503	0.00	0.27
	Safety Cable	Yes		0.000	0.63	0.05	0.00	0.023	0.000	7.503	0.00	2.08
	Step bolts (ladder)	Yes	1.00	0.000	0.38	0.06	0.00	0.023	0.000	7.547	0.00	0.55
98.00	Safety Cable	Yes	2.00	0.000	0.63	0.10	0.00	0.023	0.000	7.547	0.00	4.16
	Step bolts (ladder)	Yes	2.00		0.38	0.06	0.00	0.023	0.000	7.591	0.00	0.55
100.00	Safety Cable	Yes	2.00	0.000	0.63	0.10	0.00	0.023	0.000	7.591	0.00	4.16
100.00	Step bolts (ladder)	Yes	2.00	0.000		0.10	0.00	0.024	0.000	7.634	0.00	0.55
102.00	Safety Cable	Yes	2.00	0.000	0.38	0.10	0.00	0.024	0.000	7.634	0.00	4.16
102.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.024	0.000	7.676	0.00	0.55
104.00	Safety Cable	Yes	2.00	0.000	0.38		0.00	0.024	0.000	7.676	0.00	4.16
104.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.024	0.000	7.718	0.00	0.55
106.00	Safety Cable	Yes	2.00	0.000	0.38	0.06			0.000	7.718	0.00	4.16
106.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.024		7.760	0.00	0.55
108.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.024	0.000		0.00	4.16
108.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.024	0.000	7.760	0.00	0.55
110.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.025	0.000	7.800		4.16
110.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.025	0.000	7.800	0.00	0.55
112.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.025	0.000	7.841	0.00	4.16
112.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.025	0.000	7.841	0.00	
114.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.025	0.000	7.880	0.00	0.55
114.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.025	0.000	7.880	0.00	4.16
116.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.026	0.000	7.920	0.00	0.55
116.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.026	0.000	7.920	0.00	4.16
118.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.026	0.000	7.958	0.00	0.55
118.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.026	0.000	7.958	0.00	4.16
	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.026	0.000	7.997	0.00	0.55
120.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.026	0.000	7.997	0.00	4.16
120.00		Yes	2.00	0.000	0.38	0.06	0.00	0.027	0.000	8.035	0.00	0.55
122.00	Safety Cable	Yes	2.00	0.000	0.63	0.10	0.00	0.027	0.000	8.035	0.00	4.16
122.00	Step bolts (ladder)	Yes	2.00	0.000	0.38	0.06	0.00	0.027	0.000	8.072	0.00	0.55
124.00	Safety Cable		2.00	0.000	0.63	0.10	0.00	0.027	0.000	8.072	0.00	4.16
	Step bolts (ladder)	Yes	2.00	0.000	0.38	0.06	0.00	0.027	0.000	8.109	0.00	0.55
	Safety Cable	Yes		0.000	0.63	0.10	0.00	0.027	0.000	8.109	0.00	4.16
	Step bolts (ladder)	Yes	2.00		0.03	0.06	0.00	0.028	0.000	8.146	0.00	0.55
	Safety Cable	Yes	2.00	0.000	0.38	0.10	0.00	0.028	0.000	8.146	0.00	4.16
	Step bolts (ladder)	Yes	2.00	0.000		0.16	0.00	0.028	0.000	8.182	0.00	0.55
	Safety Cable	Yes	2.00	0.000	0.38	0.00	0.00	0.028	0.000	8.182	0.00	4.16
	Step bolts (ladder)	Yes	2.00	0.000		0.10	0.00	0.028	0.000	8.217	0.00	0.55
132.00	Safety Cable	Yes	2.00	0.000	0.38	0.00	0.00	0.020	0.000			

Structure: CT11560-A

Site Name: Sterling 6 CT

Height:

140.00 (ft)

Base Elev: 0.000 (ft)

Gh:

1.1

Code:

TIA-222-H

В

7/10/2023

Exposure:

Crest Height: 0.00

Site Class:

D - Stiff Soil Struct Class: ||

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SBA

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor

1.00

Topography: 1

Wind Load Factor

1.00

Iterations

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)
132.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.028	0.000	8,217	0.00	4.16
134.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.029	0.000	8.253	0.00	0.55
134.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.029	0.000	8.253	0.00	4.16
135.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.029	0.000	8.270	0.00	0.27
135.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.029	0.000	8.270	0.00	2.08
136.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.029	0.000	8.288	0.00	0.27
136.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.029	0.000	8.288	0.00	2.08
137.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.029	0.000	8.305	0.00	0.27
137.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.029	0.000	8.305	0.00	2.08
138.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.029	0.000	8.323	0.00	0.27
138.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.029	0.000	8.323	0.00	2.08
140.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.030	0.000	8.357	0.00	0.55
140.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.030	0.000	8.357	0.00	
				0.000	0.00	0.10	0.00	0.030		-		<u>4.16</u>
									Tot	als:	0.0	329.4

Calculated Forces

Structure: CT11560-A

Code: TIA-222-H 7/10/2023

Site Name: Sterling 6 CT

Exposure: Crest Height: 0.00

140.00 (ft) Height:

Gh:

D - Stiff Soil Site Class:

Base Elev: 0.000 (ft) 1.1

Struct Class: ||

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Iterations

21

SBA

Load Case: 1.0D + 1.0W 60 mph Wind

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

Topography: 1

1	
L	X

Seg Elev	Pu FY (-)	Vu FX (-)	Tu MY (-)	Mu MZ	Mu MX	Resultant Moment	phi Pn	phi Vn	phi Tn	phi Mn	Total Deflect	Sway	Rotation Twist	Stress
(ft)	(kips)	(kips)	(ft-kips)	3200000 12		(ft-kips)	(kips)	(kips)	(ft-kips)	(ft-kips)	(in)	(deg)	(deg)	Ratio
0.00	-49.01	-7.09	0.00	-727.42	0.00	727.42	5803.10	1561.17	8297.91	7657.05	0.00	0.000	0.000	0.103
2.00	-48.33	-7.05	0.00	-713.25	0.00	713.25	5778.21	1549.71	8176.51	7567.86	0.00	-0.009	0.000	0.103
4.00	-47.65	-7.01	0.00	-699.16	0.00	699.16	5753.06	1538.25	8056.00	7478.80	0.01	-0.018	0.000	0.102
6.00	-46.98	-6.97	0.00	-685.15	0.00	685.15	5727.65	1526.78	7936.39	7389.90	0.02	-0.027	0.000	0.101
8.00	-46.31	-6.93	0.00	-671.21	0.00	671.21	5701.98	1515.32	7817.67	7301.16	0.03	-0.036	0.000	0.100
10.00	-45.65	-6.89	0.00	-657.36	0.00	657.36	5676.04	1503.86	7699.85	7212.59	0.05	-0.045	0.000	0.099
12.00	-44.99	-6.85	0.00	-643.58	0.00	643.58	5649.84	1492.40	7582.92	7124.20	0.07	-0.054	0.000	0.098
14.00	-44.33	-6.81	0.00	-629.88	0.00	629.88	5623.38	1480.93	7466.89	7035.98	0.09	-0.063	0.000	0.097
16.00	-43.68	-6.77	0.00	-616.25	0.00	616.25	5596.66	1469.47	7351.75	6947.96	0.12	-0.072	0.000	0.097
18.00	-43.04	-6.74	0.00	-602.71	0.00	602.71	5569.67	1458.01	7237.50	6860.14	0.15	-0.081	0.000	0.096
20.00	-42.39	-6.70	0.00	-589.24	0.00	589.24	5542.43	1446.55	7124.15	6772.52	0.19	-0.090	0.000	0.095
22.00	-41.76	-6.66	0.00	-575.84	0.00	575.84	5514.92	1435.08	7011.70	6685.11	0.23	-0.099	0.000	0.094
24.00	-41.12	-6.62		-562.53	0.00	562.53	5487.15	1423.62	6900.13	6597.93	0.27	-0.108	0.000	0.093
25.00	-40.81	-6.60		-555.91	0.00	555.91	5473.16	1417.89	6844.69	6554.42	0.29	-0.112	0.000	0.092
25.00	-40.81	-6.60		-555.91	0.00	555.91	4407.37	1216.64	5879.49	5289.42	0.29	-0.112	0.000	0.114
26.00	-40.53	-6.58		-549.31	0.00	549.31	4397.65	1211.73	5832.10	5256.32	0.32	-0.117	0.000	0.114
28.00	-39.99	-6.55		-536.14	0.00	536.14	4378.03	1201.90	5737.91	5190.16	0.37	-0.127	0.000	0.112
30.00	-39.45	-6.51	0.00	-523.04	0.00	523.04	4358.14	1192.08	5644.49	5124.08	0.43	-0.138	0.000	0.111
32.00	-38.91	-6.47		-510.02	0.00	510.02	4338.00	1182.25	5551.83	5058.08	0.49	-0.148	0.000	0.110
34.00	-38.37	-6.44		-497.07	0.00	497.07	4317.58	1172.43	5459.94	4992.17	0.55	-0.159	0.000	0.108
	-37.84	-6.40		-484.20	0.00	484.20	4296.91	1162.60	5368.81	4926.35	0.62	-0.169	0.000	0.107
36.00	-37.31	-6.36		-471.40	0.00	471.40	4275.98	1152.78	5278.46	4860.65	0.69	-0.180	0.000	0.106
38.00	-36.79	-6.32		-458.68	0.00	458.68	4254.78	1142.95	5188.87	4795.05	0.77	-0.190	0.000	0.104
40.00	-36.53	-6.30		-452.36	0.00	452.36	4244.08	1138.04	5144.36	4762.30	0.81	-0.196	0.000	0.104
41.00 42.00	-36.04	-6.28		-446.05	0.00	446.05	4233.32	1133.13	5100.04	4729.58	0.85	-0.201	0.000	0.103
	-35.08	-6.24		-433.49		433.49	4211.60	1123.30	5011.98	4664.23	0.94	-0.211	0.000	0.101
44.00 46.00	-34.13	-6.20		-421.01	0.00	421.01	4189.62	1113.48	4924.69	4599.03	1.03	-0.222	0.000	0.100
	-33.19	-6.15		-408.62		408.62	4202.72	1119.32	4976.50	4637.78	1.12	-0.232	0.000	0.096
48.00	-32.68	-6.11		-396.31	0.00	396.31	4180.63	1109.50	4889.52	4572.63	1.22	-0.242	0.000	0.095
50.00	-32.00	-6.07		-384.09		384.09	4158.28	1099.67	4803.31	4507.62	1.33	-0.252	0.000	0.093
52.00	-32.17 -31.67	-6.03		-371.95		371.95	4135.67	1089.85	4717.86	4442.77	1.44	-0.262	0.000	0.091
54.00	-31.07 -31.17	-5.98		-359.89		359.89	4112.79	1080.02	4633.18	4378.08	1.55	-0.272	0.000	0.090
56.00		-5.90 -5.94		-347.92		347.92	4089.65	1070.20	4549.27	4313.56	1.66	-0.281	0.000	0.088
58.00	-30.67	-5.90		-336.04		336.04	4066.25	1060.37	4466.12	4249.22	1.78	-0.291	0.000	0.087
60.00	-30.18	-5.86		-324.24		324.24	4042.59	1050.55	4383.75	4185.07	1.91	-0.301	0.000	0.085
62.00	-29.69	-5.81				312.53	4018.67	1040.72	4302.13	4121.10	2.04	-0.310	0.000	0.083
64.00	-29.21	-5.77			0.00	300.91	3994.48	1030.90	4221.29	4057.34	2.17	-0.319	0.000	0.081
66.00	-28.73			-289.37		289.37	3970.03	1021.07	4141.21	3993.79	2.30	-0.329	0.000	0.080
68.00	-28.25	-5.72		-209.37		277.92	3945.32	1011.25	4061.90	3930.45	2.44	-0.338	0.000	0.078
70.00	-27.78	-5.68				266.56	3920.35	1001.42	3983.36	3867.33	2.59	-0.347	0.000	0.076
72.00	-27.31	-5.64				255.29	3895.11	991.60		3804.45	2.74	-0.356	0.000	0.074
74.00	-26.85	-5.59				244.11	3869.62	981.77		3741.80	2.89	-0.365	0.000	0.072
76.00	-26.39	-5.55				233.01	3843.86	971.95		3679.40	3.04	-0.374	0.000	0.070
78.00	-25.93	-5.50				222.01	3817.84	962.12		3617.26	3.20		0.000	0.068
80.00	-25.48	-5.46				211.09	3791.55	952.30		3555.38	3.36		0.000	0.066
82.00	-25.03	-5.41				200.26	3765.01	942.47		3493.76	3.53		0.000	0.064
84.00	-24.58	-5.37				194.89	3751.64	937.56		3463.06	3.61	-0.403	0.000	0.063
85.00	-24.36	-5.35				189.54	3738.20	932.65		3432.43	3.70		0.000	0.062
86.00	-23.99	-5.32	0.00	-189.54	0.00	108.34	3130.20	JJZ.00	3400.02	5,02.10				

Calculated Forces

Structure: CT11560-A **Code**: TIA-222-H 7/10/2023

 Site Name:
 Sterling 6 CT
 Exposure:
 B

 Height:
 140.00 (ft)
 Crest Height:
 0.00

140.00

0.00

-0.04

0.00

0.00

0.00

0.00

1785.54

462.32

1273.50

1220.12

9.22

-0.527

0.000

0.000

Final Analysis Summary

Structure: CT11560-A

Code:

TIA-222-H

7/10/2023

Site Name: Sterling 6 CT

Exposure:

Height:

Gh:

140.00 (ft)

Crest Height: 0.00

SBA

Base Elev: 0.000 (ft)

1.1

Topography: 1

D - Stiff Soil Site Class: Struct Class: II

Page: 62

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 124 mph Wind	33.8	0.00	58.80	0.00	0.00	3487.51
0.9D + 1.0W 124 mph Wind	33.8	0.00	44.10	0.00	0.00	3463.86
1.2D + 1.0Di + 1.0Wi 50 mph Wind	8.3	0.00	77.83	0.00	0.00	833.99
1.2D + 1.0Ev + 1.0Eh	1.2	0.00	60.81	0.00	0.00	146.21
0.9D + 1.0Ev + 1.0Eh	1.2	0.00	46.05	0.00	0.00	145.48
1.0D + 1.0W 60 mph Wind	7.1	0.00	49.01	0.00	0.00	727.42

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 124 mph Wind	-48.69	-31.59	0.00	-2667.6	0.00	-2667.6	5473.16	1417.8	6844.69	6554.42	25.00	0.516
·		-31.47	0.00	-2645.5	0.00	-2645.5	5473.16	1417.8	6844.69	6554.42	25.00	0.509
0.9D + 1.0W 124 mph Wind	-36.44				•		•	1417.8	6044.60	6554.42	25.00	0.135
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-66.16	-7.69	0.00	-633.75	0.00	-633.75	5473.16	1417.0				•
1.2D + 1.0Ev + 1.0Eh	-50.65	-1.18	0.00	-116.85	0.00	-116.85	5473.16	1417.8	6844.69	6554.42	25.00	0.034
			0.00	-116.18	0.00	-116.18	5473.16	1417.8	6844.69	6554.42	25.00	0.031
0.9D + 1.0Ev + 1.0Eh	-38.35	-1.18	0.00		• • • •		• •		•		25.00	0.114
1.0D + 1.0W 60 mph Wind	-40.81	-6.60	0.00	-555.91	0.00	-555.91	5473.16	1417.8	6844.69	6554.42	25.00	0.114

Base Plate Summary

Structure: CT11560-A **Code**: TIA-222-H 7/10/2023

Site Name:Sterling 6 CTExposure:BHeight:140.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: II Page: 63



(61.0%)

Reaction	าร	Base Pla	ite	Anchor	Bolts
Original De	sign	Yield (ksi):	50.00	Bolt Circle:	72.00
Moment (kip-ft):	4677.10	Width (in):	77.00	Number Bolts:	20.00
Axial (kip):	45.50	Style:	Round	Bolt Type:	2.00" F1554 105
Shear (kip):	35.70	Polygon Sides:	0.00	Bolt Diameter (in):	2.00
Analysis (1.2D	+ 1.0W)	Clip Length (in):	0.00	Yield (ksi):	105.00
Moment (kip-ft):	3487.51	Effective Len (in):	13.40	Ultimate (ksi):	125.00
Axial (kip):	58.80	Moment (kip-in):	446.96	Arrangement:	Radial
Shear (kip):	33.83	Allow Stress (ksi):	67.50	Cluster Dist (in):	0.00
		Applied Stress (ksi):	49.95	Start Angle (deg):	0.00
		Stress Ratio:	0.74	Compression	
			(93.4%)	Force (kip):	119.19
			,	Allowable (kip):	296.88
				Ratio:	0.40
Tower Drawing				Tensio	on
				Force (kip):	113.31
Pole bottom dia	ameter=64.5"			Allowable (kip):	234.38
D. b. ' 578				Ratio:	0.48
Bolt circle=57"					(61.0%)

Moment arm=64.5"-57"/2=3.75"

SA workaround:

Pole bottom diameter=64.5"

Bolt circle=72"

Moment arm=72"-64.5"/2=3.75"

Ratio=SA calculation BC/ actual BC=72"/57" =1.26

Final Rating:

Anchor bolt= 48.4% x1.26=61.0%

Base plate= 74.1% x1.26=93.4%



Mat Foundation Degion			
Monopole Mat Foundation Design			7/10/2023
Customer Name:	Verizon	TIA Standard:	TIA-222-H
Site Name:	Sterling 6 CT	Structure Height (Ft.):	140
Site Number:	CT11560-A	Engineer Name:	SBA Engineer
Engr. Number:	Tale 1	Engineer Login ID:	

Foundation Info Obtained from:	C	rawings/Calculations		K
Structure Type:		Monopole		
Analysis or Design?		Analysis		7.00
Base Reactions (Factored):				* 77/
Axial Load (Kips):	58.8	Shear Force (Kips):	33.8	7 # 5
Uplift Force (Kips):	0.0	Moment (Kips-ft):	3487.5	5.0 30 # 8
Foundation Geometries:		Mods required -Yes/No ?:	No	5.5 30 # 8
Diameter of Bios (ft):	7.0	Depth of Base BG (ft.):	5.5	0 0 0 0 6/0
Diameter of Pier (ft.):	1.00	Thickness of Pad (ft):	2.50	
Pier Height A. G. (ft.):	31	Width of Pad (ft.):	31	<u></u>
Length of Pad (ft.):	21	Width of Fad (10)		31.0
Final Length of pad (ft)	31.0	Final width of pad (ft):	31.0	C
Material Properties and Reabr Info	<u>:</u>			7.0
Concrete Strength (psi):	3000	Steel Elastic Modulus:	29000 ksi	
Vertical bar yield (ksi)	60	Tie steel yield (ksi):	60	()
Vertical Rebar Size #:	9	Tie / Stirrup Size #:	5	31.0
Qty. of Vertical Rebars:	60	Tie Spacing (in):	12.0	
Pad Rebar Yield (Ksi):	60	Pad Steel Rebar Size (#):	8	60 # 9
Concrete Cover (in.):	3	Unit Weight of Concrete:	150.0 pcf	
Rebar at the bottom of the concrete	e pad:			
Qty. of Rebar in Pad (L):	30	Qty. of Rebar in Pad (W):	30	0.0
Rebar at the top of the concrete page	d:			31.0 L
Qty. of Rebar in Pad (L):	30	Qty. of Rebar in Pad (W):	30	
Soil Design Parameters:				
Soil Unit Weight (pcf):	120.0	Soil Buoyant Weight:	57.6 Po	cf
Water Table B.G.S. (ft):	5.0	Unit Weight of Water:	62.4 pc	cf Angle from Top of Pad: 30
Ultimate Bearing Pressure (psf):	44891	Ultimate Skin Friction:	0 Ps	=
Consider Friction for O.T.M. (Y/N):	No	Consider Friction for beari		5
	8-1		avimum soil be:	
Consider soil hor. resist. for OTM.:	No	Reduction factor on the m	BAITIGHT SON BE	aring pressure: 1.00
				aring pressure: 1.00 mpression Strength Reduction Factor: 0.75
Foundation Analysis and Design:		rength Reduction Factor:	0.75 Con	mpression Strength Reduction Factor: 0.75
Foundation Analysis and Design: Total Dry Soil Volume (cu. Ft.):	Uplift St		0.75 Con 2767.55 Tota	mpression Strength Reduction Factor: 0.75
Foundation Analysis and Design: Total Dry Soil Volume (cu. Ft.): Total Buoyant Soil Volume (cu. I	Uplift St		0.75 Con 2767.55 Tota 0.00 Tota	mpression Strength Reduction Factor: 0.75 al Dry Soil Weight (Kips): 332.11
Foundation Analysis and Design: Total Dry Soil Volume (cu. Ft.): Total Buoyant Soil Volume (cu. I Total Effective Soil Weight (Kips	Uplift Sti Ft.): s):		0.75 Con 2767.55 Tota 0.00 Tota 332.11 We 2075.94 Tota	mpression Strength Reduction Factor: 0.75 al Dry Soil Weight (Kips): 332.11 al Buoyant Soil Weight (Kips): 0.00 ight from the Concrete Block at Top (K): 0.00 al Dry Concrete Weight (Kips): 311.39
Foundation Analysis and Design: Total Dry Soil Volume (cu. Ft.): Total Buoyant Soil Volume (cu. I Total Effective Soil Weight (Kips Total Dry Concrete Volume (cu.	Uplift St Ft.): s): Ft.);		0.75 Con 2767.55 Tota 0.00 Tota 332.11 Wei 2075.94 Tota 480.50 Tota	mpression Strength Reduction Factor: 0.75 al Dry Soil Weight (Kips): 332.11 al Buoyant Soil Weight (Kips): 0.00 ight from the Concrete Block at Top (K): 0.00 al Dry Concrete Weight (Kips): 311.39 al Buoyant Concrete Weight (Kips): 42.09
Foundation Analysis and Design: Total Dry Soil Volume (cu. Ft.): Total Buoyant Soil Volume (cu. I Total Effective Soil Weight (Kips	Uplift Sti Ft.): 5): Ft.); e (cu. Ft.):		0.75 Con 2767.55 Tota 0.00 Tota 332.11 Wei 2075.94 Tota 480.50 Tota	mpression Strength Reduction Factor: 0.75 al Dry Soil Weight (Kips): 332.11 al Buoyant Soil Weight (Kips): 0.00 ight from the Concrete Block at Top (K): 0.00 al Dry Concrete Weight (Kips): 311.39 al Buoyant Concrete Weight (Kips): 42.09 al Vertical Load on Base (Kips): 744.39
Foundation Analysis and Design: Total Dry Soil Volume (cu. Ft.): Total Buoyant Soil Volume (cu. I Total Effective Soil Weight (Kips Total Dry Concrete Volume (cu. Total Buoyant Concrete Volume	Uplift Sti Ft.): 5): Ft.); e (cu. Ft.):		0.75 Con 2767.55 Tota 0.00 Tota 332.11 Wei 2075.94 Tota 480.50 Tota	mpression Strength Reduction Factor: 0.75 al Dry Soil Weight (Kips): 332.11 al Buoyant Soil Weight (Kips): 0.00 ight from the Concrete Block at Top (K): 0.00 al Dry Concrete Weight (Kips): 311.39 al Buoyant Concrete Weight (Kips): 42.09
Foundation Analysis and Design: Total Dry Soil Volume (cu. Ft.): Total Buoyant Soil Volume (cu. I Total Effective Soil Weight (Kips Total Dry Concrete Volume (cu. Total Buoyant Concrete Volume Total Effective Concrete Weight Check Soil Capacities:	Uplift Sti Ft.): i): Ft.): e (cu. Ft.): t (Kips):	rength Reduction Factor:	0.75 Con 2767.55 Tota 0.00 Tota 332.11 Wei 2075.94 Tota 480.50 Tota 353.48 Tota	mpression Strength Reduction Factor: 0.75 al Dry Soil Weight (Kips): 332.11 al Buoyant Soil Weight (Kips): 0.00 ight from the Concrete Block at Top (K): 0.00 al Dry Concrete Weight (Kips): 311.39 al Buoyant Concrete Weight (Kips): 42.09 al Vertical Load on Base (Kips): 744.39 Load/ Capacity Ratio Allowable Factored Soil Bearing (psf): 33668 0.04
Foundation Analysis and Design: Total Dry Soil Volume (cu. Ft.): Total Buoyant Soil Volume (cu. Italian Effective Soil Weight (Kips Total Dry Concrete Volume (cu. Total Buoyant Concrete Volume Total Effective Concrete Weight	Uplift Sto Ft.): s): Ft.): e (cu. Ft.): t (Kips):	rength Reduction Factor:	0.75 Con 2767.55 Tota 0.00 Tota 332.11 Wei 2075.94 Tota 480.50 Tota 353.48 Tota	mpression Strength Reduction Factor: 0.75 all Dry Soil Weight (Kips): 332.11 all Buoyant Soil Weight (Kips): 0.00 ight from the Concrete Block at Top (K): 0.00 all Dry Concrete Weight (Kips): 311.39 all Buoyant Concrete Weight (Kips): 42.09 all Vertical Load on Base (Kips): 744.39 Capacity Ratio

0.90 0.65 1.00 9417.5		gth reduction factor (Shear): Load Factor on Concrete Design:	0.75 1.00	Load/ Capacity Ratio	
0.65 1.00 9417.5		Load Factor on Concrete Design:		Capacity	
1.00 9417.5		Load Factor on Concrete Design:	1.00	Capacity	
9417.5				Capacity	
9417.5					
9417.5				· · · · · · · · · · · · · · · · · · ·	
		Tie / Stirrup Area (sq. in./each):	0.31		
663.6	>	Design Factored Moment (Mu, Kips-Ft	3622.8	0.38	OK!
0.00.0	>	Design Factored Shear (Kips):	33.8	0.05	OK!
3240.0	>	Design Factored Tension (Tu Kips):	0.0	0.00	OK!
7268.8	>	Design Factored Axial Load (Pu Kips):	58.8	0.01	OK!
0.38	OK!	Check Tie Spacing (Design/Required):		1	OKI
0.011		Reinforcement Ratio is satisfied per Ad	CI		
809.9	>	One-Way Factored Shear (L-D. Kips):	248 9	0.31	OK!
809.9	>				OK!
847.1	>				OK!
0.0024	OK!				
2746.3	>	<u>'</u>		0.61	OK!
2746.3	>				OK!
3862.4	>	'			OK!
0.0024	OK!				
2746.3	>			0.24	OK!
2746.3	>				OK!
3862.4	>	Moment at the top (C-C Dir. K-Ft):	609.5	0.16	OKI
1395.0	k-ft.	Max. factored shear stress v:		2.8	Psi
13.1	Psi			164.3	Psi
13.1	Psi	0 , "	acity:	0.08	OK!
1046 3	k-ft	Effective Width for resisting OT mamon	+-	1.4 F	ft.
	K-IL.				rt.
	k_ft				OKI
13/0.4	N-IL.	check osage of the riexure Capacity		0.76	OK!
	663.6 3240.0 7268.8 0.38 0.011 809.9 809.9 847.1 0.0024 2746.3 3862.4 0.0024 2746.3 3862.4 1395.0 13.1 13.1	9417.5 > 663.6 > 3240.0 > 7268.8 > 0.38 OK! 0.011 809.9 > 809.9 > 847.1 > 0.0024 OK! 2746.3 > 2746.3 > 3862.4 > 0.0024 OK! 2746.3 > 2746.3 > 3862.4 > 1395.0 k-ft. 13.1 Psi 13.1 Psi	9417.5 > Design Factored Moment (Mu, Kips-Ft 663.6 > Design Factored Shear (Kips): 3240.0 > Design Factored Axial Load (Pu Kips): 0.38 OK! Check Tie Spacing (Design/Required): 0.011 Reinforcement Ratio is satisfied per Axi 809.9 > One-Way Factored Shear (L-D. Kips): 809.9 > One-Way Factored Shear (W-D., Kips): 847.1 > One-Way Factored Shear (C-C, Kips): 0.0024 OK! Lower Steel Pad Reinf. Ratio (W-Direct): 2746.3 > Moment at Bottom (L-Dir. K-Ft): 3862.4 > Moment at Bottom (W-Dir. K-Ft): 3862.4 > Moment at Bottom (C-C Dir. K-Ft): 0.0024 OK! Upper Steel Reinf. Ratio (W-Dir.): 2746.3 > Moment at the top (L-Dir K-Ft): 3862.4 > Moment at the top (L-Dir K-Ft): 3862.4 > Moment at the top (C-C Dir. K-Ft): 1395.0 k-ft. Max. factored shear stress Vu_o: 13.1 Psi Factored shear Strength фvn: 13.1 Psi Check Usage of Punching Shear Cap 1046.3 k-ft. Effective Width for resisting OT momen Actual number of Rebar in Effective widt	9417.5 > Design Factored Moment (Mu, Kips-Ft 3622.8 663.6 > Design Factored Shear (Kips): 33.8 3240.0 > Design Factored Tension (Tu Kips): 0.0 7268.8 > Design Factored Axial Load (Pu Kips): 58.8 0.38 OK! Check Tie Spacing (Design/Required): Reinforcement Ratio is satisfied per ACI 809.9 > One-Way Factored Shear (L-D. Kips): 248.9 809.9 > One-Way Factored Shear (W-D., Kips): 248.9 847.1 > One-Way Factored Shear (W-D., Kips): 241.1 0.0024 OK! Lower Steel Pad Reinf. Ratio (W-Direc 0.0024 2746.3 > Moment at Bottom (L-Dir. K-Ft): 1670.1 3862.4 > Moment at Bottom (W-Dir. K-Ft): 1670.1 3862.4 > Moment at Bottom (C-C Dir. K-Ft): 2361.9 0.0024 OK! Upper Steel Reinf. Ratio (W-Dir.): 0.0024 2746.3 > Moment at the top (L-Dir K-Ft): 652.9 3862.4 > Moment at the top (C-C Dir. K-Ft): 652.9 3862.4 > Moment at the top (C-C Dir. K-Ft): 652.9 3862.4 > Moment at Steel Reinf. Ratio (W-Dir. K-Ft): 652.9 3862.4 > Moment at Steel Reinf. Ratio (W-Dir. K-Ft): 652.9 3862.4 > Moment at the top (C-C Dir. K-Ft): 609.5	1.00 Tie / Stirrup Area (sq. in./each): 0.31 9417.5 > Design Factored Moment (Mu, Kips-Ft 3622.8 0.38 663.6 > Design Factored Shear (Kips): 33.8 0.05 3240.0 > Design Factored Tension (Tu Kips): 0.0 0.00 7268.8 > Design Factored Axial Load (Pu Kips): 58.8 0.01 0.38 OK! Check Tie Spacing (Design/Required): 1 0.011 Reinforcement Ratio is satisfied per ACI 809.9 > One-Way Factored Shear (L-D. Kips): 248.9 0.31 809.9 > One-Way Factored Shear (W-D., Kips): 248.9 0.31 847.1 > One-Way Factored Shear (C-C, Kips): 241.1 0.28 0.0024 OK! Lower Steel Pad Reinf. Ratio (W-Direc 0.0024 2746.3 > Moment at Bottom (L-Dir. K-Ft): 1670.1 0.61 2746.3 > Moment at Bottom (W-Dir. K-Ft): 1670.1 0.61 3862.4 > Moment at Bottom (W-Dir. K-Ft): 2361.9 0.61 0.0024 OK! Upper Steel Reinf. Ratio (W-Dir.): 0.0024 2746.3 > Moment at the top (L-Dir K-Ft): 652.9 0.24 2746.3 > Moment at the top (L-Dir K-Ft): 652.9 0.24 2746.3 > Moment at the top (C-C Dir. K-Ft): 652.9 0.24 3862.4 > Moment at the top (C-C Dir. K-Ft): 652.9 0.24 3862.4 > Moment at the top (C-C Dir. K-Ft): 652.9 0.24 3862.4 > Moment at the top (S-Dir K-Ft): 652.9 0.24 3862.4 > Moment at the top (S-Dir K-Ft): 652.9 0.24 3862.4 > Moment at the top (S-Dir K-Ft): 652.9 0.24 3862.4 > Moment at the top (S-Dir K-Ft): 609.5 0.16





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 #: 10206282 Colliers Engineering & Design CT. P. C. Project #: 23777047 (Rev. 1)

July 10, 2023

Site Information

Site ID:

5000244753-VZW / STERLING CT

Site Name:

STERLING CT Verizon Wireless

Carrier Name:

7 Exeter Drive

Address:

Sterling, Connecticut 06377

Windham County

Latitude:

41.714028°

Longitude:

-71.822722°

Structure Information

Tower Type:

140-Ft Monopole

Mount Type:

12.50-Ft Platform

FUZE ID # 17123906

Analysis Results

Platform: 58.8% 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: Frank Centone

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: 324922, dated November 3, 2021	
Mount Mapping Report	Structural Components, Site ID: 16281619, dated February 18, 2021	
Previous Mount Analysis Report	Maser Consulting Connecticut, Project #: 21777642 (Rev.3), dated November 9, 2021	
Post-Modification Inspection Report	Maser Consulting Connecticut, Project #: 21777642 (Rev.3), dated November 18, 2022	
Filter Add Scope	Provided by Verizon Wireless	

Analysis Criteria:

Codes and	Standards:	ANSI/TIA-222-H
Codes and	Standards:	ANSI/ HA-222-F

2022 Connecticut State Building Code (CSBC), Effective October 1, 2022

0.980

Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust) V	125 mph

Ice Wind Speed (3-sec. Gust): 50 mph Design Ice Thickness: 1.00 in Risk Category: Ш Exposure Category: C Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, K.:

Seismic Parameters: S_s: 0.187 g

S₁: 0.054 g

Wind Speed (3-sec. Gust): Maintenance Parameters: 30 mph Maintenance Load, Lv: 250 lbs.

Maintenance Load, Lm: 500 lbs.

Analysis Software: RISA-3D (V17)

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	es resid (w.Model 19 3668)	Status
		3	Amphenol Antel	BXA-70063-6CF-2	
136.00 137.00		6	Commscope	JAHH-65B-R3B	
		3	Samsung	MT6407-77A	
		3	Commscope	CBC78T-DS-43-2X	Retained
	137.00	1	Raycap	RVZDC-6627-PF-48	
	3	Samsung	B2/B66A RRH-BR049		
		3	Samsung	B5/B13 RRH-BR04C	
		4	KAelus	BSF0020F3V1-1	Added

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

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

Standard Conditions:

- All engineering services are performed on the basis that the information provided to Colliers Engineering & Design CT. P. C. and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. Any deviation from the loading locations specified in this report shall be communicated to Colliers Engineering & Design CT. P. C. to verify deviation will not adversely impact the analysis.
- Mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

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

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

- For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped in accordance with the NSTD-446 Standard, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.
- All member connections are assumed to have been designed to meet or exceed the load carrying capacity
 of the connected member unless otherwise specified in this report.
- 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.

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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
 HSS (Rectangular)
 Pipe
 Threaded Rod
 Bolts
 ASTM A36 (Gr. 36)
 ASTM 500 (Gr. B-46)
 ASTM A53 (Gr. B-35)
 F1554 (Gr. 36)
 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	11.4 %	Pass
Standoff Horizontal	34.6 %	Pass
Platform Crossmember	53.8 %	Pass
Corner Plate	29.4 %	Pass
Grating Support	37.6 %	Pass
Cross Arm Plate	25.9 %	Pass
Mount Pipe	19.2 %	Pass
Dual Mounted Pipe	10.6 %	Pass
Support Rail	20.7 %	Pass
Support Rail Corner	26.2 %	Pass
Support Bracing Kit	7.0 %	Pass
Connection Check	58.8 %	Pass

Structure Rating – (Controlling Utilization of all Components)	58.8%
--	-------

BASELINE mount weight per SBA agreement: 1818.30 lbs

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

The weights listed above include 3 sectors.

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

Ice	Mount Pipes Excluded		Mount Pipe	es Included
Thickness (In)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)
0	30.8	30.8	45.3	45.3
0.5	40.2	40.2	60.5	60.5
11	48.4	48.4	74.4	74.4

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

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Requirements:

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

Contractor shall inspect climbing facilities and safety climb and ensure they are in good condition. Contractor shall install safety climb wire rope guides in locations where wire rope is rubbing against the mount or mount-to-tower connection steel. Wire brush clean any observed corrosion and protect with two (2) coats of cold galvanization (Zinga or Zinc Kote). Contractor shall provide photos of wire rope guide installation as part of PMI documents. Contact EOR if additional guidance is required.

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. Mount Mapping Report (for reference only)
- 5. 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 #: 5000244753

SMART Project #: 10206282

Fuze Project ID: 17123906

<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
 - o Photo of Gate Signs showing the tower owner, site name, and number.
 - Overall tower structure after installation.
 - Photos of the mount after installation; if the mounts are at different rad elevations, pictures must be provided for all elevations that equipment was installed.
- Photos taken at Mount Elevation
 - Photos showing the safety climb wire rope above and below the mount prior to installation.
 - Photos showing the climbing facility and safety climb if present.

July 10, 2023 Site ID: 5000244753-VZW / STERLING CT Page | 2

- Photos showing each individual sector after installation. Each entire sector shall be in one photo to show the interconnection of members.
 - These photos shall also certify that the placement and geometry of the equipment on the mount is as depicted in the antenna placement diagram in this form.
- Photos that show the model number of each antenna and piece of equipment installed per sector.

Antenna & equipment placement and Geometry Confirmation:

Anten	na & equipment placement and deometry communication
•	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.
	\Box 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	al Instructions / Validation as required from the MA or any other information the contractor
deem	s necessary to share that was identified:
safety steel. Contr	actor shall inspect climbing facilities and safety climb and ensure they are in good condition. Contractor shall install a climb wire rope guides in locations where wire rope is rubbing against the mount or mount-to-tower connection. Wire brush clean any observed corrosion and protect with two (2) coats of cold galvanization (Zinga or Zinc Kote). actor shall provide photos of wire rope guide installation as part of PMI documents. Contact EOR if additional nace is required.
Specia	al Instruction Confirmation:
	\square The contractor has read and acknowledges the above special instructions.
	\square All hardware listed in the Special Instructions above (if applicable) has been properly installed, and the existing hardware was inspected.
	☐ The material utilized was as specified in the SMART Tool engineering vendor Special Instructions above (if applicable) and included in the material certification folder is a packing list or invoice for these materials.

Company: Employee Name: Contact Phone:

> Email: Date:

July 10, 2023 Site ID: 5000244753-VZW / STERLING CT Page | 3

Sector:

Mount Elev:

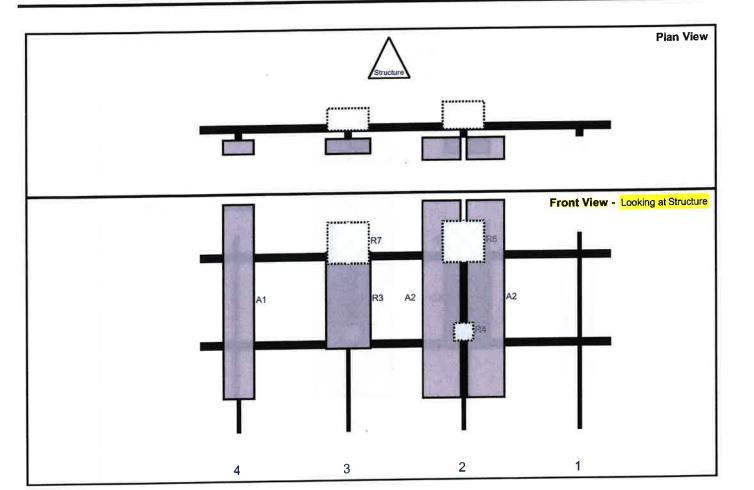
Structure Type: Monopole 136.00

10206282

Page: 1

7/10/2023





Ref#	Model	Height (in)	Width (in)	H Dist	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T,	Ant H Off	Status	Validation
A2	JAHH-65B-R3B	72	13.8	96	2	a	Front	24	8	Retained	11/16/2022
A2	JAHH-65B-R3B	72	13.8	96	2	b	Front	24	-8	Retained	11/16/2022
R4	CBC78T-DS-43-2X	6.4	6.9	96	2	а	Behind	36	0	Retained	11/16/2022
R6	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	96	2	а	Behind	3	0	Retained	11/16/2022
R3	MT6407-77A	35.1	16.1	54	3	а	Front	24	0	Retained	11/16/2022
R7	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	54	3	а	Behind	3	0	Retained	11/16/2022
A1	BXA-70063-6CF-2	71	11.2	14	4	а	Front	24	0	Retained	11/16/2022
M101	RVZDC-6627-PF-48	28.9	15.7		Memb	er				Retained	11/16/2022

Structure: 5000244753-VZW - STERLING CT

Sector:

В

Structure Type: Monopole

7/10/2023

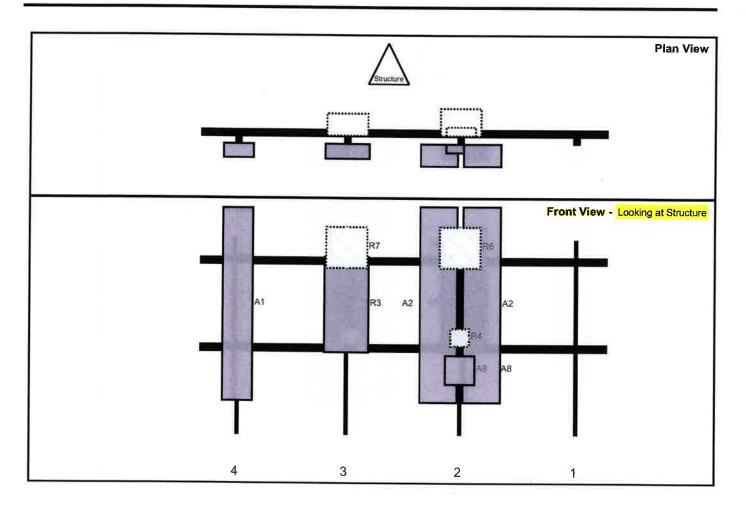
Colliers Engineering & Design

Mount Elev:

136.00

10206282

Page: 2



		Height	Width	H Dist	Pipe	Pipe	Ant	C, Ant	Ant		
Ref#	Model	(in)	(in)	Frm L	#	Pos V	Pos	Frm T.	H Off	Status	Validation
A2	JAHH-65B-R3B	72	13.8	96	2	а	Front	24	8	Retained	11/16/2022
A2	JAHH-65B-R3B	72	13.8	96	2	b	Front	24	-8	Retained	11/16/2022
R4	CBC78T-DS-43-2X	6.4	6.9	96	2	a	Behind	36	0	Retained	11/16/2022
R6	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	96	2	а	Behind	3	0	Retained	11/16/2022
A8	BSF0020F3V1-1	10.6	10.9	96	2	a	Behind	48	0	Added	
A8	BSF0020F3V1-1	10.6	10.9	96	2	b	Front	48	0	Added	
R3	MT6407-77A	35.1	16.1	54	3	а	Front	24	0	Retained	11/16/2022
R7	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	54	3	а	Behind	3	0	Retained	11/16/2022
A1	BXA-70063-6CF-2	71	11.2	14	4	а	Front	24	0	Retained	11/16/2022

Sector:

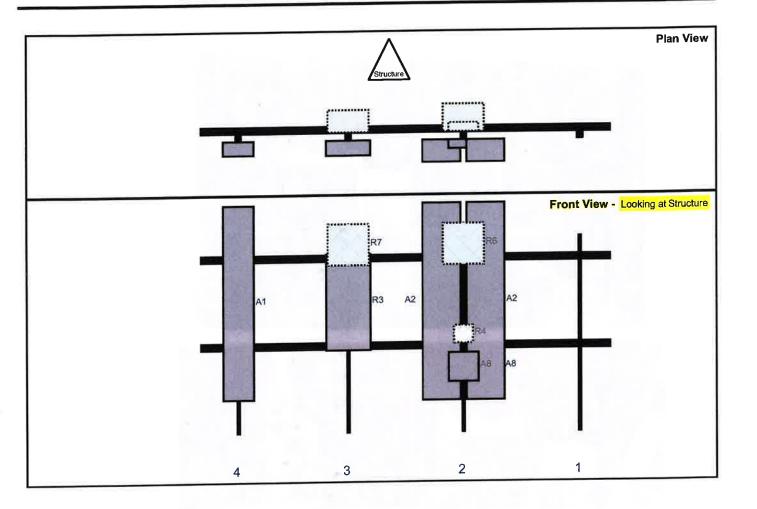
Mount Elev:

Structure Type: Monopole 136.00

10206282

Page: 3





Ref#	Model	Height (in)	Width (in)	H Dist Fm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant	Ant H Off	Status	Validation
A2	JAHH-65B-R3B	72	13.8	96	2	а	Front	24	8	Retained	11/16/2022
A2	JAHH-65B-R3B	72	13.8	96	2	b	Front	24	-8	Retained	11/16/2022
R4	CBC78T-DS-43-2X	6.4	6.9	96	2	a	Behind	36	0	Retained	11/16/2022
R6	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	96	2	a	Behind	3	0	Retained	11/16/2022
A8	BSF0020F3V1-1	10.6	10.9	96	2	a	Behind	48	0	Added	
AB	BSF0020F3V1-1	10.6	10.9	96	2	b	Front	48	0	Added	
R3	MT6407-77A	35.1	16.1	54	3	а	Front	24	0	Retained	11/16/2022
R7	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	54	3	а	Behind	3	0	Retained	11/16/2022
A1	BXA-70063-6CF-2	71	11.2	14	4	а	Front	24	0	Retained	11/16/2022



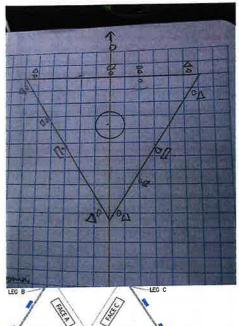


V3.0 Updated on 8-31-2020



	Samuel Control of the second second			FCC#
	Antenna Mount Mapping I	Form (PATENT PENDING)		1261045
	ISBA	Mapping Date:	2/18	/2021
Tower Owner:	Sterling CT	Tower Type:	1000	opole
Site Name:	16281619	Tower Height (Ft.):		40
Site Number or ID: Mapping Contractor:	Structural Components	Mount Elevation (FL):		36 oublication

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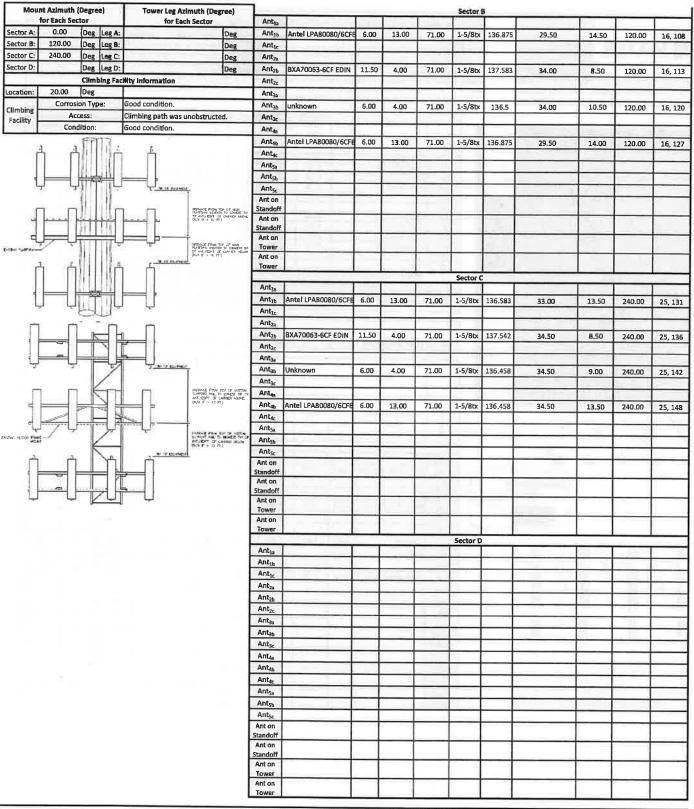


Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	eometries [Unit = Inches] Mount Pipe Size & Length	Vertical Offset Dimension	Horizontal Offset "C1, C2, C3, etc
A1	2-3/8 x 0.154 x 72	40.00	11.50	C1	2-3/8 x 0.154 x 72	40.00	12.00
AZ	2-3/8 x 0.154 x 72	53.00	73.00	C2	2-3/8 x 0.154 x 72	53.00	75,50
EA EA	2-3/8 x 0.154 x 72	40.00	112.50	C3	2-3/8 x 0.154 x 72	40.00	114.00
A4	2-3/8 x 0.154 x 72	40.00	136.00	C4	2-3/8 x 0.154 x 72	40.00	138.00
A5	2-5/6 x 6/25 1 1/2			C5			
A6				C6			
81	2-3/8 x 0.154 x 72	40.00	10,50	D1			
82	2-3/8 x 0.154 x 72	53.00	73.50	D2			
83	2-3/8 x 0.154 x 72	40.00	113.50	D3			
B4	2-3/8 x 0.154 x 72	40.00	137.50	04			
B5				D5			
86				D6			
- 50	Distance between bottom ra	il and mour	t CL elevati	on (dim d). Unit is inches. See 'Mount Elev Ref' tal	b for details. :	0.00
_	Distance from	on of botto	m support r	ail to low	est tip of ant./eqpt. of Carrier above. (N)	(Aif > 10 ft.):	
	Distance from t	on of bottor	n support ri	il to high	est tip of ant./eqpt. of Carrier below. (N	/Aif > 10 ft.):	
	Distance from t	Please ent	er addition	al infomat	ion or comments below.		
_				to all to a series			
	ce Width at Mount Elev. (ft.):				e Shaft Diameter at Mount Elev. (in.):		33

0 B	187	LEG C	
SECTOR A	LEG A		
			Horizon Offset "

GS GS Antenna Layout (Looking Out From Tower)

	Enter antenna	model.	If not label	led, enter '	'Unknown'	5 (Mountin [Units are incl	g Locations nes and de		Photos of antennas
Ants, Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (în.)	Coax Size and Qty		Vertical Distances"b _{1a} , b _{2a} , b _{3a} , b _{1b} ." (Inches)	Horiz. Offset "h" (Use "-" If Ant. Is behind)	Antenna Azimuth (Degrees)	Photo Numbers
-					Sector A					
Ant _{1a}										
Ant _{1b}	Antel LPA80080/6CFE	6.00	13.00	71.00	1-5/8tx	136.375	35.50	17.50	0.00	7, 68
Ant _{1c}										
Ant _{2a}										
Ant _{2b}	BXA70063-6CF EDIN	11.50	4.00	71.00	1-5/8tx	137.542	34.50	8.50	0.00	7, 72
Ant _{2c}										
Ant ₃₂										
Ant _{3b}	unknown	6.00	4.00	71.00	1-5/8tx	136.375	35.50	8.00	0.00	783
Ant₃c	omni	2.00		24.00		140.333	-12.00	-4.00		83
Ant _{4a}										7.05
Ant _{4b}	Antel LPA80080/6CFE	6.00	13.00	71.00	1-5/8tx	136.375	35.50	16.50	0.00	7, 95
Ant _{4c}										_
Antsa										-
Ant _{5b}										-
Ant _{Sc}								-		-
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										



1	
2	
3	
4	
5	
6	
7	
8	

Mapping Notes

- 1. Please report any visible structural or safety issues observed on the antenna mounts (Damaged members, loose connections, tilting mounts, safety climb issues, etc.) 2. If the thickness of the existing pipes or tubing can't be obtained from a general tool (such as Caliper), please use an ultrasonic measurement tool (thickness gauge) to measure the thickness.
- Please create all required detail sketches of the mounts and insert them into the "Sketches" tab.
- 4. Please measure and enter the bolt sizes and types under the Members Box in the spreadsheet of the mount type.

 5. Take and label the photos of the tower, mounts, connections, antennas and all measurements. Minimum 50 photos are required.
- Please measure and report the size and length of all existing antenna mounting pipes.
- 7. Please measure and report the antenna information for all sectors.

 8. Don't delete or rearrange any sheet or contents of any sheet from this mapping form.

Standard Conditions

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

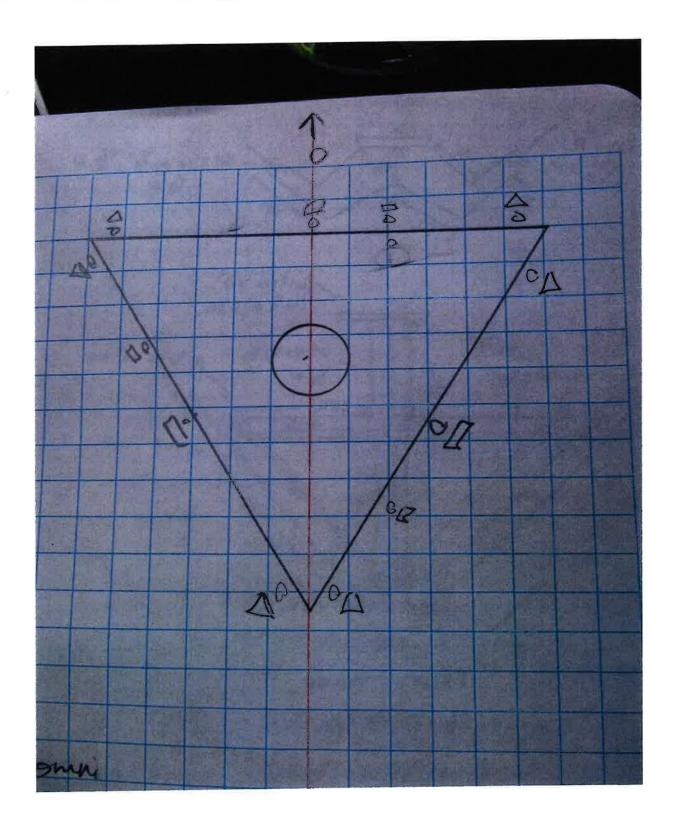
MASER

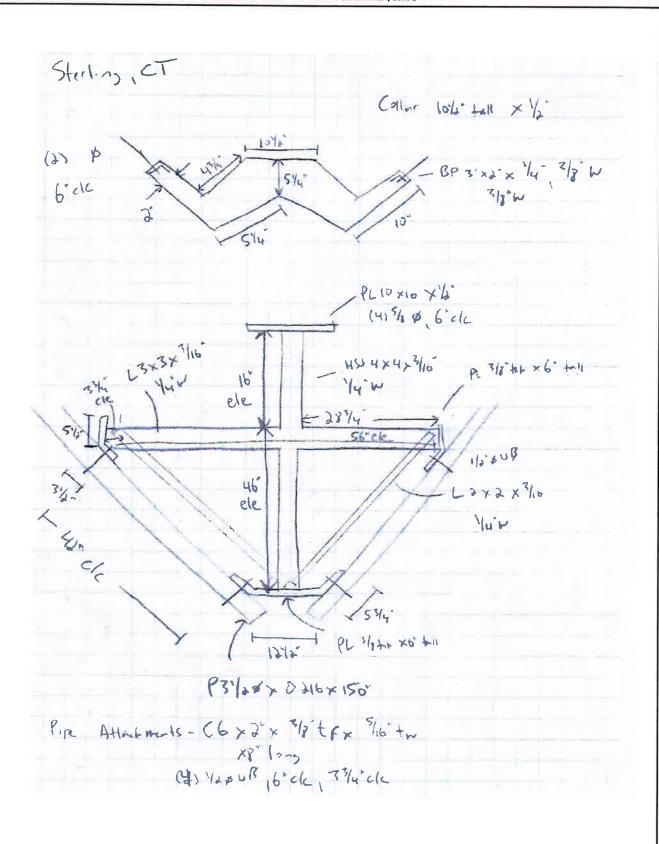
			V3.0	Updated on 8-31-2020
	Antenna Mount Mapping	Form (PATENT PENDING)		FCC#
				1261045
Tower Owner:	SBA	Mapping Date:		2/18/2021
Site Name:	Sterling CT	Tower Type:		Monopole
Site Number or ID:	16281619	Tower Height (Ft.):		140
Mapping Contractor:	Structural Components	Mount Elevation (Ft.):		136
TEC and under DATEST OFFICE Y		The state of the s		

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Please Insert Sketches of the Antenna Mount

A P	Mase	1 - J ≥,	w 217	7764	<u> </u>	3/18/21
	44/04	es oudy/	ough			
	2001	BBA				
	FCC (26104	5			
	Azmothe	A	B	6		
	want	0	120	240		
	Ant	0	120	ZUD	17.81	
A STATE OF THE STA	36	20				
	elevati-					
	FV	140				
	THE THE		W. U. N.			
	6	33				
			Principle 2			
	Calgles	(12)1	98 T	X		
H		(1) 7	18 TX	From	Att	
						100
4						







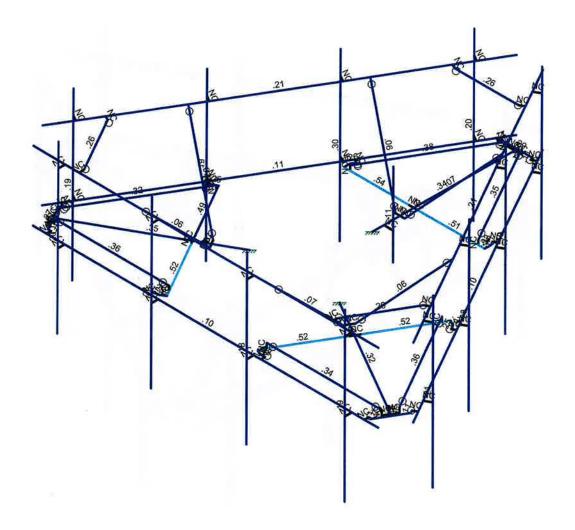


Envelope Only Solution

SK - 1
July 6, 2023 at 2:02 PM
5000244753-VZW_MT_LO_H.r3d





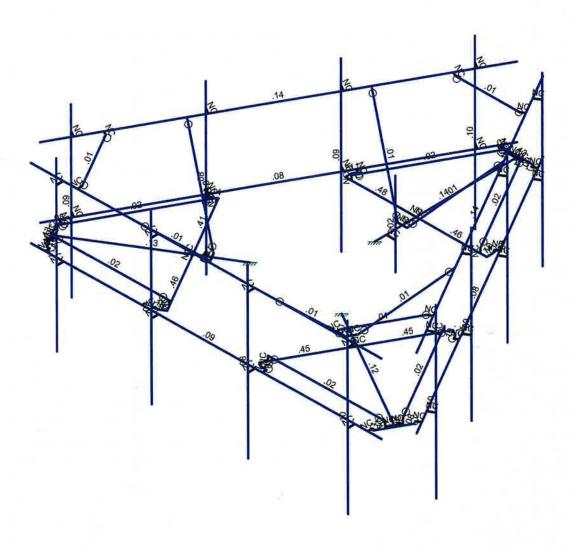


Member Code Checks Displayed (Enveloped) Envelope Only Solution

SK - 2
July 6, 2023 at 2:02 PM
5000244753-VZW_MT_LO_H.r3d







Member Shear Checks Displayed (Enveloped) Envelope Only Solution

SK - 3

July 6, 2023 at 2:02 PM

5000244753-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me	Surface(
1	Antenna D	None					108			
2	Antenna Di	None					108			
3	Antenna Wo (0 Deg)	None					108			
4	Antenna Wo (30 Deg)	None					108			
5	Antenna Wo (60 Deg)	None					108			
6	Antenna Wo (90 Deg)	None					108			
7	Antenna Wo (120 Deg)	None					108			
8	Antenna Wo (150 Deg)	None					108			
9	Antenna Wo (180 Deg)	None					108			
10	Antenna Wo (210 Deg)	None					108			
11	Antenna Wo (240 Deg)	None					108			
12	Antenna Wo (270 Deg)	None			1		108			
13	Antenna Wo (300 Deg)	None					108			
14	Antenna Wo (330 Deg)	None					108			
15	Antenna Wi (0 Deg)	None					108			
16	Antenna Wi (30 Deg)	None					108			
17	Antenna Wi (60 Deg)	None					108			
18	Antenna Wi (90 Deg)	None					108			
19	Antenna Wi (120 Deg)	None					108			
20	Antenna Wi (150 Deg)	None				II ver	108			_
21	Antenna Wi (180 Deg)	None					108			
22	Antenna Wi (210 Deg)	None					108			
23	Antenna Wi (240 Deg)	None					108			
24	Antenna Wi (270 Deg)	None					108			
25	Antenna Wi (300 Deg)	None			_		108			
26	Antenna Wi (330 Deg)	None					108			_
27	Antenna Wm (0 Deg)	None					108			
28	Antenna Wm (30 Deg)	None					108			
29	Antenna Wm (60 Deg)	None	+				108			
30	Antenna Wm (90 Deg)	None						-		
31	Antenna Wm (120 Deg)	None					108	-		
32	Antenna Wm (150 Deg)	None					108	.		
33	Antenna Wm (180 Deg)	None	-				108	-		
34	Antenna Wm (210 Deg)	None					108	-		
35	Antenna Wm (240 Deg)	None					108	-		
36	Antenna Wm (270 Deg)	None	1				108			
37	Antenna Wm (300 Deg)		_				108			
38	Antenna Wm (330 Deg)	None					108			
39	Structure D	None					108			
40	Structure Di	None		-1					3	
	Structure Wo (0 Deg)	None						64	3	
42	Structure Wo (0 Deg)	None						128		
	Structure Wo (60 Deg)	None	-					128		
43		None						128		
44	Structure Wo (90 Deg)	None	-					128		
45	Structure Wo (120 Deg)	None	1					128		
46	Structure Wo (150 Deg)	None						128		
47	Structure Wo (180 Deg)	None						128		
48	Structure Wo (210 Deg)	None						128		
49	Structure Wo (240 Deg)	None						128		
50	Structure Wo (270 Deg)	None						128		
51	Structure Wo (300 Deg)	None						128		
52	Structure Wo (330 Deg)	None				-		128		
53	Structure Wi (0 Deg)	None						128		
54	Structure Wi (30 Deg)	None						128		
55	Structure Wi (60 Deg)	None						128		
56	Structure Wi (90 Deg)	None						128		



Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me	Surface(
57	Structure Wi (120 Deg)	None						128	
58	Structure Wi (150 Deg)	None				S LIFE		128	
59	Structure Wi (180 Deg)	None						128	
60	Structure Wi (210 Deg)	None						128	The state of the s
61	Structure Wi (240 Deg)	None						128	
62	Structure Wi (270 Deg)	None						128	
63	Structure Wi (300 Deg)	None						128	
64	Structure Wi (330 Deg)	None						128	
65	Structure Wm (0 Deg)	None						128	
66	Structure Wm (30 Deg)	None						128	
67	Structure Wm (60 Deg)	None						128	
68	Structure Wm (90 Deg)	None		THEY BE				128	
69	Structure Wm (120 Deg)	None						128	
70	Structure Wm (150 Deg)	None						128	
71	Structure Wm (180 Deg)	None						128	
72	Structure Wm (210 Deg)	None						128	
73	Structure Wm (240 Deg)	None						128	
74	Structure Wm (270 Deg)	None	100	74.4				128	
75	Structure Wm (300 Deg)	None						128	
76	Structure Wm (330 Deg)	None					TH	128	
77	Lm1	None					1		
78	Lm2	None					1		
70	Lv1	None					1		
	Lv2	None					1		
80	Antenna Ev	None					108		
81 82	Antenna Eh (0 Deg)	None					72		
	Antenna Eh (90 Deg)	None					72		
83	Structure Ev	ELY	The state of	04				3	
84 85	Structure Eh (0 Deg)	ELZ			±:1			3	
	Structure Eh (90 Deg)	ELX	.1					3	1 5 T Ta
	BLC 39 Transient Area L	None						30	
87	BLC 40 Transient Area L	None					17	30	
~ ~	BLC 84 Transient Area L	None						30	
-	BLC 85 Transient Area L	None						30	
	BLC 86 Transient Area L	None						30	

Load Combinations

Loui	Combinatione	1991-1991	Tana Carl					_	51.6		DI C	F	DIC	Eco	DIC	Eac	BIC	Fac	BLC	Fac	BI C	Fac	BI C	Fac
	Description	So.,	P	S B				Fac		Fac.		rac.	BLC	rac.	.BLC	rac.	BLC	rau.	T	Tac.	T	1 00		1 00
1	1.2D+1.0Wo (0 Deg)	Yes	<u> </u>		1 1	.2	39	1.2	3	1	41	1	\vdash	-			-		\vdash	-		_		
2	1.2D+1.0Wo (30 Deg)	Yes	Y		1 1	2 3	39	1.2	4	1	42	1							-	_		-	_	
3	1.2D+1.0Wo (60 Deg)	Yes	Y		1 1	2 3	39	1.2	5	1	43	1	_		_		_		-				-	
4	1.2D+1.0Wo (90 Deg)	Yes	Y	7	1 1	.2	39	1.2	6	1	44	1							1		-	_	-	
5	1.2D+1.0Wo (120 Deg)			i i	1 1	2	39	1.2	7	1	45	1							_					
6	1.2D+1.0Wo (150 Deg)			3	1 1	.2 3	39	1.2	8	1	46	1							_				-	_
7	1.2D+1.0Wo (180 Deg)				1 1	.2 3	39	1.2	9	1	47	1							1_		_		_	
8	1.2D+1.0Wo (210 Deg)			100	1 1	.2 :	39	1.2	10	1	48	1											-	
9	1.2D+1.0Wo (240 Deg)			1	1 1	.2 :	39	1.2	11	1	49	1							_				-	
10	1.2D+1.0Wo (270 Deg)				1 1	.2 :	39	1.2	12	1	50	1_												
11	1.2D+1.0Wo (300 Deg)			18	1 1	.2	39	1.2	13	1	51	1							_				_	
12	1.2D+1.0Wo (330 Deg)				1 1	2	39	1.2	14	1	52	1												
13	1.2D + 1.0Di + 1.0Wi (.				1 1	.2	39	1.2	2	1	40	1	15	1	53	1	-						_	
14	1.2D + 1.0Di + 1.0Wi (Yes	Y		1 1	.2	39	1.2	2	1	40	1	16	1	54	1			_				_	
15	1.2D + 1.0Di + 1.0Wi (.				1 1	2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + 1.0Wi (.				1 1	2	39	1.2	2	1	40	1	18	1	56	1				14.00				
	1.2D + 1.0Di + 1.0Wi (.				1 1	2	39	1.2	2	1	40	1	19	1	57	1								

Load Combinations (Continued)

Loa	d Combinations	(C	ont	inu	<u>ea</u>																			
	Description	So.	P	. S	BL	CFac.	BLO	CFac	BLO	Fac	BI C	Fac	BI C	Fac	BLC	Fac	BI C	Fac	BI (Fac	BI (Fac	BI C	Fac
18	1.2D + 1.0Di + 1.0Wi (.	.Yes	Y		1	1.2	39	11.2	2	1	40		20		58			1	T	T	T	T ac.	T	1 20
19	1.2D + 1.0Di + 1.0Wi (.	Yes	Y		_	1.2	_	_	_	1	40	_	21	1	59				1	1	1		1	
20	1.2D + 1.0Di + 1.0Wi (Yes	Y		1	1.2		1.2		1	40	_	22	1	60		1					-		
21	1,2D + 1.0Di + 1.0Wi (1	1.2	_	1.2		1	40	_	23	_	61	_	1	-	+		1			
22	1.2D + 1.0Di + 1.0Wi (1	1.2					40	_	24		62	_			+	1		-	\vdash	-
23	1.2D + 1.0Di + 1.0Wi (1	1.2		1.2		1	40		25		63	_	\vdash		+				-	
24	1.2D + 1.0Di + 1.0Wi (_	1.2				1	40		26		64		1							
25	1.2D + 1.5Lm1 + 1.0W.				1					1.5			-		04	1	-		1	+-	-	-	-	_
	1.2D + 1.5Lm1 + 1.0W.				1								65		-	-			1	-		-		
27	1.2D + 1.5Lm1 + 1.0W.				_	1.2	39		11	1.5			66		-			_	-	-			-	
	1.2D + 1.5Lm1 + 1.0W.				1	1.2		1.2		1.5			67		_				-	-	_	-	-	
28	1.2D + 1.5Lm1 + 1.0W.				1					1.5			68						-		100			
29	1.2D + 1.5Lill1 + 1.0VV.	.res	Y	\vdash	1	1.2							69						_					
	1.2D + 1.5Lm1 + 1.0W.			+	1	1.2	39	1.2	177	1.5	32	1	70											
31	1.2D + 1.5Lm1 + 1.0W.				1	1.2	39			1.5			71	1										
	1.2D + 1.5Lm1 + 1.0W.				1	1.2				1.5			72	1										
	1.2D + 1.5Lm1 + 1.0W.				1	1.2		1.2		1.5	35	1	73	1										
	1.2D + 1.5Lm1 + 1.0W.				1	1.2						1	74	1										
	1.2D + 1.5Lm1 + 1.0W.				1					1.5		1	75	_1										
	1.2D + 1.5Lm1 + 1.0W.				1	1.2	39	1.2	77	1.5	38	1	76	1										
	1.2D + 1.5Lm2 + 1.0W				1	1.2	39	1.2	78	1.5	27	1	65	1										
	1.2D + 1.5Lm2 + 1.0W.				1					1.5		1	66	1										
39	1.2D + 1.5Lm2 + 1.0W.	Yes	Y		1					1.5		1	67	1					\vdash					
40	1.2D + 1.5Lm2 + 1.0W.	Yes	Y		1	1.2	39	1.2	78	1.5	30		68	1										
41	1.2D + 1.5Lm2 + 1.0W.	Yes	Y		1	1.2						1	69											
	1.2D + 1.5Lm2 + 1.0W.				1					1.5		1	70	1										
	1.2D + 1.5Lm2 + 1.0W.				1	12	30	1.2	78	1.5	33	1	71	1	_	-			-					
	1.2D + 1.5Lm2 + 1.0W				1					1.5		1	72	1	_	_								
	1.2D + 1.5Lm2 + 1.0W.			+	1					1.5		1	73	1	-	_	-	_	-		_	_		
	1.2D + 1.5Lm2 + 1.0W				1					1.5		1		1			-			-				
	1.2D + 1.5Lm2 + 1.0W.			+	1					1.5			74			-	-		-		_			
	1.2D + 1.5Lm2 + 1.0W			\vdash	1							1	75	1			1		\vdash	-				
49	1.2D + 1.5Lv1			-						1.5		_1_	76	_1_	-	-								
50		Yes		\vdash	1					1.5			-						_		_			
	1.2D + 1.5Lv2	Yes	_			1.2			180	1.5			-											
51	1.4D	Yes		\vdash	1	1.4			-				-											-
		Yes	_	\vdash	1	1.2					ELY		82	1	83	0.0	ELZ		ELX					
		Yes	_	\vdash	1	1.2					ELY	1		.866				.866						
		Yes	_	\perp	1	1.2					ELY	1	82	.5	83	.866	ELZ	.5	ELX	.866				
-		Yes		\vdash	1	1.2	39	1.2	81		ELY	1	82		83		ELZ		ELX					
56	1.2D + 1.0Ev + 1.0Eh	_	_		1	1.2	39	1.2	81	1	ELY	1	82	5	83	.866	ELZ	5	ELX	.866				
		Yes	Y		1	1.2	39	1.2	81	1	ELY	1		.866				866						
		Yes			1	1.2	39	1.2	81	1	ELY	1	82		83	4	ELZ	-1	ELX		140			
	1.2D + 1.0Ev + 1.0Eh				1	1.2				1	ELY	1	82	866		5	ELZ		ELX	5				
	1.2D + 1.0Ev + 1.0Eh				1	1.2				1	ELY	1								866				
	1.2D + 1.0Ev + 1.0Eh				1	1.2	39	1.2	81		ELY		82			-1			_	-1				
	1.2D + 1.0Ev + 1.0Eh				1	1.2					ELY									.866				_
	1.2D + 1.0Ev + 1.0Eh				1	1.2	39	12	81		ELY			.866										
64	0.9D - 1.0Ev + 1.0Eh (Yes	Y		1			.9					82		83		ELZ		ELX			550		
	0.9D - 1.0Ev + 1.0Eh (1		39		81		ELY						_		_		-			
	0.9D - 1.0Ev + 1.0Eh (1									.866									1	
67	0.9D - 1.0Ev + 1.0Eh (Yee	V		_			.9	01	-	ELY		82							.866				
	0.9D - 1.0Ev + 1.0Eh (_	1		39			-1			82		83	1			ELX					
	0.9D - 1.0Ev + 1.0Eh (1		39				ELY									.866				
				_	1		39			-1				.866					,					
	0.9D - 1.0Ev + 1.0Eh (_	1					-1				-1					ELX					
	0.9D - 1.0Ev + 1.0Eh (_	1		39		81	-1				.866										
	0.9D - 1.0Ev + 1.0Eh (_	1		39			-1										866				
	0.9D - 1.0Ev + 1.0Eh (_	1		39		81		ELY		82							-1				
_74	0.9D - 1.0Ev + 1.0Eh (Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	866	ELZ	.5	ELX	866				LVE.
	A 2D Version 47.0.4			_						_														_=



Load Combinations (Continued)

BLCFac. BLCFac | Description | So...P... | 75 | 0.9D - 1.0Ev + 1.0Eh (... | Yes | Y |

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diag
1	N1	0.463685	0	-7.484587	0	
2	N2	6.713685	0	3.34073	0	
3	N3	-1.623798	0	0.9375	0	
4	N5	-1.652002	0	3.888648	0	
5	N6	-4.080388	0.166667	-0.317439	0	
6	N7	-1.765284	0.166667	3.692439	0	
7	N24	-2.922836	0	1.6875	0	
8	N27	-6.116304	0	3.53125	0	
9	CP	0	0	0	0	
10	N29	-4.080388	0	-0.317439	0	
11	N30	-1.765284	0	3.692439	0	
12	N101	-4.193669	0	-0.513648	0	
13	N102	-2.839502	0	1.831838	0	
	N103A	-3.006169	0	1.543162	0	
14	N104A	-1.841445	0	3.998023	0	
	N105	-4.383112	0	-0.404273	0	
16	N131	-4.466445	0	-0.259935	0	
17	N135	-6.318127	0	2.987729	0	
18	N135	-2.008112	0	3.998023	0	
19	N144 N148	-5.746513	0	3.977794	0	
20		-4.592741	0	-0.332852	0	
21	N86A	-2.008112	Ö	4.143857	0	
22	N86B	-5.858492	0	3.977794	0	
23	N86C	-6.374117	0	3.084706	0	
24	N87A	-6.461941	0	2.904698	0	
25	N86D	-5.746513	0	4.143857	0	
26	N86E	-6.044136	0	3.489583	0	
27	N88A	-6.161254	0.166667	3.286728	0	
28	N87C	-6.161254	0.100007	3.286728	0	
29	N86G		0.166667	3.692439	0	
30	N87B	-5.927017	0.100007	3.692439	0	
31	N88C	-5.927017	0	0.9375	0	
32	N87D	1.623798	0	-0.513648	0	
33	N88B	4.193669	0.166667	3.692439	0	
34	N89	1.765284	0.166667	-0.317439	0	
35	N90	4.080388	0.188807	1.6875	0	
36	N91	2.922836	0	3.53125	0	
37	N92	6.116304	0	3.692439	Ö	
38	N93	1.765284		-0.317439	0	
39	N94	4.080388	0	3.888648	Ö	
40	N95	1.652002	0	1.543162	0	
41	N96	3.006169	0	1.831838	0	
42	N97	2.839502		-0.404273	0	
43	N98	4.383112	0	3.998023	0	
44	N99	1.841445	0	3.998023	0	
45	N100	2.008112	0	3.977794	0	
46	N101A	5.746513	0	-0.259935	0	
47	N102A	4.466445	0		0	
48	N103	6.318127	0	2.987729	0	
49	N104	2.008112	0	4.143857	0	
50	N105A	4.592741	0	-0.332852	0	-
51	N106	6.374117	0	3.084706		



Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap
52	N107	5.858492	0	3.977794	0	Total State of the
53	N108	5.746513	0	4.143857	0	
54	N109	6.461941	0	2.904698	0	
55	N110	6.044136	0	3.489583	0	
56	N111	5.927017	0.166667	3.692439	0	
57	N112	5.927017	0	3.692439	0	
58	N113	6.161254	0.166667	3.286728	0	
59	N114	6.161254	0	3.286728	0	
60	N115	-0.	0	-1.875	0	
61	N116	-2.541667	0	-3.375	Ö	
62	N117	2.315104	0.166667	-3.375	0	
63	N118	-2.315104	0.166667	-3.375	0	
64	N119	-0.	0.100007	-3.375	0	
65	N120	-0.	0	-7.0625	0	
66	N121	2.315104	0	-3.375	0	
67	N122	-2.315104	0	-3.375		
68	N123	2.541667	0	-3.375	0	
69	N124	-0.166667			0	
70	N125	0.166667	0	-3.375	0	
71	N126		0	-3.375	0	
72	N127	-2.541667	0	-3.59375	0	
73		2.541667	0	-3.59375	0	
	N128	2.458333	0	-3.738088	0	
74	N129	0.571615	0	-6.965523	0	
75	N130	-2.458333	0	-3.738088	0	
76	N131A	-0.571615	0	-6.965523	0	
77	N132	2.584629	0	-3.811004	00	
78	N133	-2.584629	0	-3.811004	0	
79	N134	-0.515625	0	-7.0625	0	
80	N135A	0.515625	0	-7.0625	0	
81	N136	0.715429	0	-7.048554	0	
82	N137	-0.715429	0	-7.048554	0	أعلامان والمسابرة
83	N138	-0.	0	-6.979167	0	
84	N139	0.234238	0.166667	-6.979167	0	
85	N140	0.234238	0	-6.979167	0	
86	N141	-0.234238	0.166667	-6.979167	0	
87	N142	-0.234238	0	-6.979167	0	
88	N104B	-6.713685	0	3.34073	0	
89	N105B	-0.463685	0	-7.484587	0	
90	N124A	6.25	0	4.143857	0	
91	N125A	-6.25	0	4.143857	Ō	
92	N92A	0.963685	Ö	-6.618562	Ö	
93	N93A	2.692852	Ö	-3.623557	0	
94	N94A	4.463685	Ö	-0.556384	Ö	
95	N95A	6.213685	Ö	2.474705	0	
96	N96A	1.180191	0	-6.743562	0	
97	N97A	2.909358	0	-3.748557	0	
98	N98A	4.680191	0			
99	N99A	6.430191	0	-0.681384 2.349705	0	
100	N100A	1.180191	3.333333		0	
101	N101B	4.680191	3.333333	-6.743562		
102	N102B	6.430191		-0.681384	0	
103	N102B		3.333333	2.349705	0	
104	N103B	1.180191	-2.666667	-6.743562	0	
105	N104C N105C	4.680191	-2.666667	-0.681384	0	
		6.430191	-2.666667	2.349705	0	
106	N106A	2.909358	3.333333	-3.748557	0	
107	N107A	2.909358	-2.666667	-3.748557	0	
108	N108A	-6.276185	0	2.582958	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Dia
09	N109A	-4.512296	0	-0.472187	0	
10	N110A	-2.748407	0	-3.527332	0	
11	N111A	-0.984518	0	-6.582477	0	
12	N112A	-6.492691	0	2.457958	0	
13	N113A	-4.728803	0	-0.597187	0	
14	N114A	-2.964914	0	-3.652332	0	
15	N115A	-1.201025	0	-6.707477	0	
16	N116A	-6.492691	3.333333	2.457958	0	
17	N117A	-4,728803	3.333333	-0.597187	0	
18	N118A	-2.964914	3.333333	-3.652332	0	4
19	N119A	-1.201025	3.333333	-6.707477	0	
20	N120A	-4.728803	-2.666667	-0.597187	0	
21	N121A	-6.492691	-2.666667	2.457958	0	
22	N122A	-2.964914	-2.666667	-3.652332	0	
23	N123A	-1.201025	-2.666667	-6.707477	0	
	N124B	5.291667	0	4.143857	0	
24 25	N125B	1.75	0	4.143857	0	
	N126A	-1.708333	0	4.143857	0	
26	N127A	-5.083333	0	4.143857	0	
27	N127A N128A	5.291667	0	4.393857	0	
28		1.75	Ö	4.393857	0	
29	N129A	-1.708333	Ŏ	4.393857	0	
30	N130A	-5.083333	0	4.393857	0	
31	N131B	5.291667	3.333333	4.393857	0	
32	N132A	1.75	3.333333	4.393857	0	
33	N133A	-1.708333	3.333333	4.393857	0	
34	N134A		3.333333	4.393857	Ŏ	
35	N135B	-5.083333	-2.666667	4.393857	0	
36	N136A	1.75	-2.666667	4.393857	0	
37	N137A	5.291667	-2.666667	4.393857	Ö	
38	N138A	-1.708333	-2.666667	4.393857	0	
39	N139A	-5.083333		-2.291667	Ö	
40	N140A	-0.	0	-2.291667	0	
41	N141A	0.333333	0	-2.291667	0	
42	N142A	0.333333	2	-2.291667	0	
43	N143	0.333333	-1	4.143857	0	
44	N144A	6.25	2.5		0	
45	N145	-6.25	2.5	4.143857	0	
46	N146	5.291667	2.5	4.143857		
47	N147	1.75	2.5	4.143857	0	
48	N148A	-1.708333	2.5	4.143857	0	
49	N149	-5.083333	2.5	4.143857	0	
50	N150	5.291667	2.5	4.393857	0	
51	N151	1.75	2.5	4.393857	0	
52	N152	-1.708333	2.5	4.393857	0	
53	N153	-5.083333	2.5	4.393857	0	
54	N154	-4.583333	2.5	4.143857	0	
55	N155	-4.583333	2.5	3.97719	0	
56	N156	4.583333	2.5	4.143857	0	
57	N157	4.583333	2.5	3.97719	0	
58	N158	0.463685	2.5	-7.484587	0	
	N159	6.713685	2.5	3.34073	0	
59	N168	5.880352	2.5	1.897355	0	
60	N169	5.736014	2.5	1.980688	0	
61		1.297018	2.5	-6.041211	0	
62	N170	1.152681	2.5	-5.957878	0	
63	N171	-6.713685	2.5	3.34073	0	
64	N172	-0.463685	2.5	-7.484587	0	
65	N173	-0.463663	2.0	7.101001		

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp (F)	Detach From Diap.
166	N182	-1.297018	2.5	-6.041211	0	Dottom From Diap.
167	N183	-1.152681	2.5	-5.957878	Ö	
168	N184	-5.880352	2.5	1.897355	0	
169	N185	-5.736014	2.5	1.980688	0	
170	N170A	0.963685	2.5	-6.618562	0	
171	N171A	2.692852	2.5	-3.623557	0	
172	N172A	4.463685	2.5	-0.556384	0	
173	N173A	6.213685	2.5	2.474705	0	
174	N174	1.180191	2.5	-6.743562	0	
175	N175	2.909358	2.5	-3.748557	0	
176	N176	4.680191	2.5	-0.681384	0	
177	N177	6.430191	2.5	2.349705	0	
178	N178	-6.276185	2.5	2.582958	0	
179	N179	-4.512296	2.5	-0.472187	0	
180	N180	-2.748407	2.5	-3.527332	0	
181	N181	-0.984518	2.5	-6.582477	0	
182	N182A	-6.492691	2.5	2.457958	0	
183	N183A	-4.728803	2.5	-0.597187	0	
184	N184A	-2.964914	2.5	-3.652332	0	
185	N185A	-1.201025	2.5	-6.707477	0	
186	N186	-0.	0	-2.875	0	
187	N187	0.166667	0	-2.875	0	
188	N188	-0.166667	0	-2.875	0	
189	N189	-2.489823	0	1.4375	0	
190	N190	-2.573156	0	1.293162	0	
191	N191	-2.40649	0	1.581838	0	
192	N192	2.489823	0	1.4375	0	
193	N193	2.40649	0	1.581838	0	
194	N194	2.573156	0	1.293162	0	
195	N195	-2.40649	2.5	4.143854	0	
196	N197	2.40649	2.5	4.143854	0	
197	N199	4.791928	2.5	0.012154	0	
198	N200	2.385438	2.5	-4.156008	0	
199	N203	-2.385438	2.5	-4.156008	0	
200	N204	-4.791928	2.5	0.012154	0	

Hot Rolled Steel Section Sets

	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	Standoff Horizontal	HSS4X4X3	Beam	SquareTube	A500 Gr.B	Typical	2.58	6.21	6.21	10
3	Corner Plate	PL3/8x6	Beam	RECT	A36 Gr.36		2.25	.026	6.75	.101
4	Platform Crossme	L3X3X3	Beam	Single Angle	A36 Gr.36		1.09	.948	.948	.014
5	Grating Support	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
6	Mount Pipe	PIPE 2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	OVP Pipe	PIPE 2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
8	Dual Mounted Pipe	PIPE 2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
9	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36		2.25	.026	6.75	.101
10	Support Rail	PIPE 2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
11	Support Rail Corner	L3X3X4	Beam	Single Angle	A36 Gr.36		1.44	1.23	1.23	.031
12	Support Bracing Kit	L2.5x2.5x4	Beam	Single Angle	A36 Gr.36		1.19	.692	.692	.026

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1	Density[k/f	Yield[ksi]	Ry	Fu[ksi]	Rt
4	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1_
2		29000	11154	3	.65	.49	36	1.5	58	1.2
2	A36 Gr.36	29000	11154	.3	.65	.49	50	1.1	65	1.1
3_	A572 Gr.50	29000	11154	.3	.65	.527	42	1.4	58	1.3
4	A500 Gr.B RND		11154	3	.65	.527	46	1.4	58	1.3
5	A500 Gr.B Rect		11154	3	.65	.49	35	1.6	60	1.2
6	A53 Gr.B	29000	11154	3	.65	.49	50	1.4	65	1.3
1_	A1085	29000		.3	.65	.49	35	1.5	58	1.2
8	Q235	29000	11154	.0	1,00	1 . 10 1				

Member Primary Data	Mem	ber	Primary	Data
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	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Туре	Design List	Material A53 Gr.B	Design Rules Typical
1	M1	N1	N2			Face Horizontal		Pipe SquareTube	A500 Gr B	Typical
2	M4	N3	N27			Standoff Horiz	Beam			Typical
3	M10	N101	N103A		180	Platform Cross	Beam	Single Angle		Typical
4	M43	N102	N5		180	Platform Cross	Beam	Single Angle	A36 Gr.36	Typical
5	M46	N86C	N87A_			Corner Plate		RECT		Typical
6	M35A	N7	N30			RIGID	None	None	RIGID	
7	M36A	N6	N29			RIGID	None	None	RIGID	Typical
8	M51B	N87C	N6			Grating Support		Single Angle		Typical
9	M52B	N7	N87B			Grating Support		Single Angle	A36 Gr.36	Typical
10	M52	N87B	N88C	KE .		RIGID	None	None	RIGID	Typical
11	M58	N102	N24			RIGID	None	None	RIGID	Typical
12	M59	N24	N103A			RIGID	None	None	RIGID	Typical
13	M76	N101	N105			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
14	M77	N105	N131			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
15	M79	N131	N86A			RIGID	None	None	RIGID	Typical
16	M80	N87A	N135			Corner Plate	Beam	RECT	A36 Gr.36	Typical
	M83	N135	N86D			RIGID	None	None	RIGID	Typical
17	M84	N5	N104A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical_
	M85	N104A	N144			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
19		N144	N86B			RIGID	None	None	RIGID	Typical
20	M88	N86C	N148			Corner Plate	Beam	RECT	A36 Gr.36	Typical
21	M91		N86E			RIGID	None	None	RIGID	Typical
22	M92	N148	N88A			RIGID	None	None	RIGID	Typical
23	M50	N88C	N86G			RIGID	None	None	RIGID	Typical
24	M51	N88A			+	RIGID	None	None	RIGID	Typical
25	M51A	N87C	N86G			Standoff Horiz	Beam	SquareTube	A500 Gr.B	Typical
26	M52A	N87D	N92		180	Platform Cross	Beam	Single Angle		Typical
27	M53	N95	N97		180	Platform Cross	Beam	Single Angle		Typical
28	M54	N96	N88B		100	Corner Plate		RECT	A36 Gr.36	Typical
29	M55	N106	N107	-		RIGID	None	None	RIGID	Typical
30	M56	N90	N94			RIGID	None	None	RIGID	Typical
31	M57	N89	N93			Grating Support		Single Angle		Typical
32	M58A	N111	N89			Grating Support		Single Angle		Typical
33	M59A	N90	N113		-	RIGID	None	None	RIGID	Typical
34	M60	N113	N114				None	None	RIGID	Typical
35	M61	N96	N91			RIGID	None	None	RIGID	Typical
36	M62	N91	N97			RIGID Plate			A36 Gr.36	Typical
37	M63	N95	N99			Cross Arm Plate	Column		A36 Gr.36	Typical
38	M64	N99	N100			Cross Arm Plate			RIGID	Typical
39	M65	N100	N104			RIGID	None	None	A36 Gr.36	Typical
40	M66	N107	N101A			Corner Plate		RECT		Typical
41	M67	N101A	N108			RIGID	None	None	RIGID	
42	M68	N88B	N98			Cross Arm Plate			A36 Gr.36	Typical
43	M69	N98	N102A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical

Member Primary Data (Continued)

wen	iber Prima	ry Data (Continue	a)						
	Label	I Joint	J Joint	K Joint	Rotate(deg	Section/Shape	Type	Design List	Material	Design Rules
44	M70	N102A	N105A			RIGID	None	None	RIGID	Typical
45	M71	N106	N103			Corner Plate		RECT	A36 Gr.36	Typical
46	M72	N103	N109			RIGID	None	None	RIGID	Typical
47	M73	N114	N110			RIGID	None	None	RIGID	Typical
48	M74	N110	N112			RIGID	None	None	RIGID	Typical
49	M75	N111	N112			RIGID	None	None	RIGID	Typical
50	M76A	N115	N120			Standoff Horiz	Beam	SquareTube		
51	M77A	N123	N125		180	Platform Cross.	Beam	Single Angle		Typical
52	M78	N124	N116		180	Platform Cross.	Beam			Typical
53	M79A	N134	N135A		100	Corner Plate		Single Angle RECT		Typical
54	M80A	N118	N122		-	RIGID			A36 Gr.36	Typical
55	M81	N117	N121			RIGID	None	None	RIGID	Typical
56	M82	N139	N117			Grating Support	None	None	RIGID	Typical
57	M83A	N118	N141					Single Angle	A36 Gr.36	Typical
58	M84A	N141	N142			Grating Support		Single Angle		Typical
59	M85A	N124	N142			RIGID	None	None	RIGID	Typical
60	M86	N119	N125			RIGID	None	None	RIGID	Typical
61	M87	N123				RIGID	None	None	RIGID	Typical
62	M88A	N123	N127			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
63	M89		N128			Cross Arm Plate			A36 Gr.36	Typical
		N128	N132			RIGID	None	None	RIGID	Typical
64	M90	N135A	N129			Corner Plate		RECT	A36 Gr.36	Typical
65	M91A	N129	N136			RIGID	None	None	RIGID	Typical
66	M92A	N116	N126			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
67	M93	N126	N130			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
68	M94	N130	N133			RIGID	None	None	RIGID	Typical
69	M95	N134	N131A			Corner Plate	Beam	RECT	A36 Gr.36	Typical
70	M96	N131A	N137			RIGID	None	None	RIGID	Typical
71	M97	N142	N138			RIGID	None	None	RIGID	Typical
72	M98	N138	N140			RIGID	None	None	RIGID	Typical
73	M99	N139	N140			RIGID	None	None	RIGID	Typical
74	M82A	N104B	N105B			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
75	M91B	N124A	N125A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
76	M76B	N95A	N99A			RIGID	None	None	RIGID	Typical
77	M77B	N94A	N98A			RIGID	None	None	RIGID	Typical
78	M78A	N92A	N96A			RIGID	None	None	RIGID	Typical
79	M79B	N93A	N97A			RIGID	None	None	RIGID	Typical
80	MP4C	N102B	N105C			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
81	MP3C	N101B	N104C				Column	Pipe	A53 Gr.B	Typical
82	MP1C	N100A	N103B				Column	Pipe	A53 Gr.B	Typical
83	MP2C	N106A	N107A			Dual Mounted	Column	Pipe	A53 Gr.B	Typical
84	M84B	N111A	N115A			RIGID	None	None	RIGID	Typical
85	M85B	N110A	N114A			RIGID	None	None	RIGID	Typical
86	M86A	N109A	N113A			RIGID	None	None	RIGID	Typical
87	M87A	N108A	N112A			RIGID	None	None	RIGID	Typical
88	MP4B	N119A	N123A			Mount Pipe	Column		A53 Gr.B	
89	MP3B	N118A	N122A			Mount Pipe	Column		A53 Gr.B	Typical
90	MP1B	N116A	N121A				Column		A53 Gr.B	Typical
91	MP2B	N117A	N120A			Dual Mounted	Column		A53 Gr.B	Typical
92	M92B	N127A	N131B			RIGID				Typical
93	M93A	N126A	N130A			RIGID	None	None	RIGID	Typical
94	M94A	N125B	N129A				None	None	RIGID	Typical
95	M95A	N124B	N128A			RIGID	None	None	RIGID	Typical
96	MP4A	N135B	N139A			RIGID	None	None	RIGID	Typical
97	MP3A	N134A	N139A N138A				Column		A53 Gr.B	Typical
98	MP1A	N132A	N137A				Column		A53 Gr.B	Typical
99	MP2A	N133A	N137A N136A				Column		A53 Gr.B	Typical
100	M100	N140A	N136A N141A				Column		A53 Gr.B	Typical
[100]	100	INTHUM	IN 14 IA			RIGID	None	None	RIGID	Typical



Member Primary Data (Continued)

	<u>per Primar</u> Label	1 Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rule
101	M101	N142A	N143	TV OCH IE		OVP Pipe	Column	Pipe	A53 Gr.B	Typical
101	M101	N149	N153			RIGID	None	None	RIGID	Typical
	M103	N148A	N152			RIGID	None	None	RIGID	Typical
103		N147	N151			RIGID	None	None	RIGID	Typical
104	M104	N146	N150			RIGID	None	None	RIGID	Typical
105	M105	N145	N144A			Support Rail	Beam	Pipe	A53 Gr.B	
106	M106	N154	N155			RIGID	None	None	RIGID	Typical
107	M107	N154	N157			RIGID	None	None	RIGID	Typical
108	M108					Support Rail	Beam	Pipe	A53 Gr.B	
109	M113	N159	N158_			RIGID	None	None	RIGID	Typical
110	M114	N168	N169			RIGID	None	None	RIGID	Typical
111	M115	N170	N171			Support Rail	Beam	Pipe	A53 Gr.B	Typical
112	M120	N173	N172		+	RIGID	None	None	RIGID	Typical
113	M121	N182	N183		-	RIGID	None	None	RIGID	Typical
114	M122	N184	N185		90	Support Rail C	Beam	Single Angle	A36 Gr.36	Typical
115	M123	N155	N185			Support Rail C	Beam	Single Angle	A36 Gr.36	Typical
116	M124	N183	N171		90	Support Rail C	Beam	Single Angle	A36 Gr.36	Typical
117	M125	N169	N157		90	RIGID	None	None	RIGID	Typical
118	M118	N173A	N177					None	RIGID	Typical
119	M119	N172A	N176			RIGID	None	None	RIGID	Typical
120	M120A	N170A	N174			RIGID	None	None	RIGID	Typical
121	M121A	N171A	N175			RIGID	None	None	RIGID	Typical
122	M122A	N181	N185A			RIGID	None		RIGID	Typical
123	M123A	N180	N184A			RIGID	None	None	RIGID	Typical
124	M124A	N179	N183A			RIGID	None	None	RIGID	Typical
125	M125A	N178	N182A			RIGID	None	None		Typical
126	M126	N188	N186			RIGID	None	None	RIGID	
127	M127	N187	N186			RIGID	None	None	RIGID	Typica
128	M128	N191	N189			RIGID	None	None	RIGID	Typical
129	M129	N190	N189			RIGID	None	None	RIGID	Typica
130	M130	N194	N192			RIGID	None	None	RIGID	Typica
131	M131	N193	N192			RIGID	None	None	RIGID	Typica
132	M132	N195	N191		90	Support Bracin.	Beam	Single Angle	A36 Gr.36	
133	M133	N197	N193		180	Support Bracin.	Beam	Single Angle	A36 Gr.36	
134	M134	N199	N194		90	Support Bracin.	Beam	Single Angle	A36 Gr.36	
135	M135	N200	N187		180	Support Bracin.	Beam	Single Angle	A36 Gr.36	
	M136	N203	N188		90	Support Bracin.	Beam	Single Angle	A36 Gr.36	
136 137	M137	N204	N190	9	180	Support Bracin.	Beam	Single Angle	A36 Gr.36	Typica

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only			Analysis	Inactive	Seismic
1	M1	11100000			8 (Yes	Default			None
							Yes				None
2	M4						Yes	Default			None
3	M10						Yes	Default			None
4	M43							Default			None
5	M46						Yes				None
6	M35A						Yes	** NA **			
7	M36A						Yes	** NA **			None
-		COCCON	00000X				Yes	Default			None
8_	M51B	COCCOX	000000				Yes	Default			None
9	M52B	OOOOOX	00000X				Yes	** NA **			None
10	M52						Yes	** NA **			None
11	M58						-				None
12	M59						Yes	** NA **			
13	M76						Yes_	** NA **			None
		-					Yes	** NA **			None
14	M77		BenPIN				Yes	** NA **			None
15	M79		Detti IIA			-					

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offsetfinl	J Offsetfinl	T/C Only	Physical	Defl RatAnalysis Inac	tive Seismic
16	M80			, Guedini	Onocym	1/O Only	Yes	Dell RatAllalysis Illac	None
17	M83		BenPIN				Yes	** NA **	None
18	M84						Yes	** NA **	None
19	M85						Yes	** NA **	
20	M88		BenPIN				Yes	** NA **	None
21	M91		- John III				Yes	INA	None
22	M92		BenPIN					** NA **	None
23	M50		Deri IIV				Yes	** NA **	None
24	M51						Yes	** NA **	None
25	M51A						Yes	** NA **	None
26	M52A						Yes	I'' NA '''	None
27	M53						Yes	D.f. 4	None
28	M54						Yes	Default	None
29	M55						Yes	Default	None
30	M56						Yes	Default	None
31	M57		1				Yes	** NA **	None
32	M58A	00000	00000X	T			Yes	** NA **	None
33	M59A		00000X				Yes	Default	None
34	M60	COCCOCX	COCCON				Yes	Default	None
35	M61						Yes	** NA **	None
36	M62	+					Yes	** NA **	None
37	M63						Yes	** NA **	None
38	M64						Yes	** NA **	None
39	M65		Do-DIN				Yes	** NA **	None
40	M66		BenPIN				Yes	** NA **	None
41	M67		D. DIN				Yes	Approximation of the second	None
42	M68	+	BenPIN				Yes	** NA **	None
43	M69				N=P		Yes	** NA **	None
44			D - DINI					** NA **	None
45	M70 M71		BenPIN		LE L		Yes	** NA **	None
		-	B 500				Yes		None
46	M72		BenPIN		DIN			** NA **	None
47	M73	h						** NA **	None
48	M74	-						** NA **	None
49	M75							** NA **	None
50	M76A	-					_Yes		None
51	M77A						Yes	Default	None
52	M78						Yes	Default	None
53	M79A						Yes	Default	None
54	M80A							** NA **	None
55	M81	000001					Yes	** NA **	None
56	M82	00000X					Yes	Default	None
57	M83A	DOODOX	00000X					Default	None
58	M84A							** NA **	None
59	M85A	-						** NA **	None
60	M86							** NA **	None
61	M87							** NA **	None
62	M88A						Yes	** NA **	None
63	M89		BenPIN				Yes	** NA **	None
64	M90						Yes		None
65	M91A		BenPIN					** NA **	None
66	M92A						Yes	** NA **	None
67	M93						Yes	** NA **	None
68	M94		BenPIN				Yes	** NA **	None
69	M95						Yes		None
70	M96		BenPIN					** NA **	None
71	M97							** NA **	None
72	M98						Yes	** NA **	None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical Yes	Defl RatA	nalysis	Inactive	Seismic None
73	M99						Yes	Default			None
74	M82A						Yes	Default			None
75	M91B						Yes	** NA **			None
76	M76B							** NA **			None
77	M77B						Yes	** NA **			None
78	M78A			2,11			Yes	** NA **			None
79	M79B						Yes	** NA **		- T	None
80	MP4C						Yes	** NA **			None
81	MP3C						Yes	** NA **	_		None
82	MP1C						Yes				None
83	MP2C						Yes	** NA **			None
84	M84B						Yes				None
85	M85B						Yes	** NA ** ** NA **			None
86	M86A						Yes	** NA **			None
87	M87A						Yes	** NA **			None
88	MP4B						Yes	** NA **			None
89	MP3B						Yes	** NA **			None
90	MP1B						Yes	** NA **			None
91	MP2B						Yes	** NA ** ** NA **			None
92	M92B						Yes				None
93	M93A						Yes	** NA **			None
94	M94A						Yes	** NA **			None
95	M95A						Yes	** NA **			
96	MP4A						Yes	** NA **			None
97	МРЗА						Yes	** NA **			None
98	MP1A						Yes	** NA **			None
99	MP2A						Yes	** NA **			None
100	M100						Yes	** NA **			None
101	M101						Yes	** NA **			None
102	M102						Yes	** NA **			None None
103	M103						Yes	** NA **			None
104	M104						Yes	** NA **			None
105	M105						Yes	** NA **			None
106	M106						Yes	** *! * **			None
107	M107	00000X					Yes	** NA **			None
108	M108	00000X					Yes	** NA **			
109	M113						Yes	14 310 44			None
110	M114	00000X					Yes	** NA **		ICI .	None None
111	M115	00000X					Yes	** NA **			
112	M120						Yes	++ 115 ++			None
113	M121	00000X					Yes	** NA **		_	None
114	M122	00000X					Yes	** NA **			None
115	M123						Yes	Default			None
116	M124						Yes				None
117	M125						Yes	44 8 / 9 4 4			None
118	M118						Yes	** NA **			None
119	M119						Yes	** NA **			None
120	M120A						Yes	** NA **			None
121	M121A						Yes	** NA **			None
122	M122A			Land Education			Yes	** NA **			None
123	M123A						Yes	** NA **			None
124	M124A						Yes	** NA **			None
125	M125A						Yes	** NA **			None
126	M126						Yes	** NA **			None
127	M127						Yes	** NA **			None
128	M128						Yes	** NA **			None
129	M129						Yes	** NA **			None
					1 1 Rev	6) DIG 4) 4	.000044	750 1/714/	MT LO	LL vodi D	age 12



Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl RatAnalysis	Inactive	Seismic
130	M130						Yes	** NA **	macino	None
131	M131						Yes	** NA **		None
132	M132	BenPIN	BenPIN				Yes			None
133	M133	BenPIN	BenPIN				Yes			None
134	M134	BenPIN	BenPIN				Yes			None
135	M135	BenPIN	BenPIN				Yes			None
136	M136	BenPIN	BenPIN				Yes			None
137	M137	BenPIN	BenPIN				Yes			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-31.65	.5
2	MP2A	My	016	.5
3	MP2A	Mz	.021	.5
4	MP2A	Y	-31.65	3.5
5	MP2A	My	016	3.5
6	MP2A	Mz	.021	3.5
7	MP2B	Y	-31.65	.5
8	MP2B	My	.003	.5
9	MP2B	Mz	026	.5
10	MP2B	Y	-31.65	3.5
11	MP2B	My	.003	3.5
12	MP2B	Mz	026	3.5
13	MP2C	Y	-31.65	.5
14	MP2C	Mv	.025	.5
15	MP2C	Mz	.008	.5
16	MP2C	Y	-31.65	3.5
17	MP2C	My	.025	3.5
18	MP2C	Mz	.008	3.5
19	MP2A	Y	-31.65	.5
20	MP2A	My	016	.5
21	MP2A	Mz	021	.5
22	MP2A	Y	-31.65	3.5
23	MP2A	My	016	3.5
24	MP2A	Mz	016	3.5
25	MP2B	Y	-31.65	
26	MP2B	My		.5
27	MP2B	Mz	. 024 .01	.5
28	MP2B	Y		.5
29	MP2B	My	-31.65	3.5
30	MP2B		.024	3.5
31	MP2C	Mz Y	.01	3.5
32	MP2C		-31.65	.5
33	MP2C MP2C	My	014	.5
34	MP2C	Mz	.022	.5
35	MP2C MP2C	Y	-31.65	3.5
36		My	014	3.5
37	MP2C	Mz	.022	3.5
	MP3A	Y	-43.55	1
38	MP3A	My	022	1
39	MP3A	Mz	0	11
40	MP3A	Y	-43.55	3
41	MP3A	My	022	3
42	MP3A	Mz	0	3
43	MP3B	Y	-43.55	1
44	MP3B	My	.019	16

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP3B	Mz	011 -43.55	3
16	MP3B	Υ		3
7	MP3B	My	.019 011	3
8	MP3B	Mz		1
.9	MP3C	Y	-43.55	negg I
0	MP3C	My	.007	1
51	MP3C	Mz	.02	3
52	MP3C	Y	-43.55	3
53	MP3C	My	.007	3
54	MP3C	Mz	.02	3
55	MP2A	Y	-10.4 005	3
56	MP2A	My		3
57	MP2A	Mz	0 -10.4	3
58	MP2B	Y	.005	3
59	MP2B	My	003	3
60	MP2B	Mz	-10.4	3
31	MP2C	Y	.002	3
52	MP2C	My	.002	3
63	MP2C	Mz	-32	.75
64	M101	Y		.75
35	M101	My	0	.75
66	M101	Mz	-84.4	.25
67	MP2A	Y	042	.25
68	MP2A	My	042	.25
69	MP2A	Mz	-84.4	.25
70	MP2B	Y	.037	.25
71	MP2B	My	021	.25
72	MP2B	Mz	-84.4	.25
73	MP2C	Y	.014	.25
74	MP2C	My	.04	.25
75	MP2C	Mz	-70.3	.25
76	MP3A	Y	035	.25
77	MP3A	My	035	.25
78	MP3A	Mz	- 7 0.3	.25
79	MP3B	Y	.03	.25
80	MP3B	My	018	.25
81	MP3B	Mz	-70.3	.25
82	MP3C	Y	.012	.25
83	MP3C	My	.033	.25
84	MP3C	Mz	-8.5	.25
85	MP4A	Y NAv	004	.25
86	MP4A	My	004	.25
87	MP4A	Mz	-8.5	3.75
88	MP4A	Y	004	3.75
89	MP4A	My	004	3.75
90	MP4A	Mz	-8.5	.25
91	MP4B	Y	.004	.25
92	MP4B	My	002	.25
93	MP4B	Mz	-8.5	3.75
94	MP4B	Y	.004	3.75
95	MP4B	My	002	3.75
96	MP4B	Mz		.25
97	MP4C	Y	-8.5 001	.25
98	MP4C	My	.001 .004	.25
99	MP4C	Mz		3.75
100	MP4C	Y	-8.5	3.75
101	MP4C	My	.001	3.73



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
102	MP4C	Mz	.004	3.75
102 103 104 105 106 107 108	MP2B	Y	-17.6	4
104	MP2B	My	008	4
105	MP2B	Mz	.004	4
106	MP2C	Y	-17.6	4
107	MP2C	Mv	003	4
108	MP2C	Mz	008	4

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-69.824	.5
2	MP2A	My	035	.5
3	MP2A	Mz	.047	.5
4	MP2A	Y	-69.824	3.5
5	MP2A	My	035	3.5
6	MP2A	Mz	.047	3.5
7	MP2B	Y	-69.824	.5
8	MP2B	My	.007	.5
9	MP2B	Mz	058	.5
10	MP2B	Y	-69.824	3.5
11	MP2B	My	.007	3.5
12	MP2B	Mz	058	
13	MP2C	Y	-69.824	3.5
14	MP2C	Mv	.056	.5
15	MP2C	Mz	.017	.5
16	MP2C	Y	-69.824	.5
17	MP2C	My		3.5
18	MP2C		.056	3.5
19	MP2A	Mz	.017	3.5
20	MP2A	Y	-69.824	.5
21		My	035	.5
	MP2A	Mz	047	.5
22	MP2A	Y	-69.824	3.5
23	MP2A	My	035	3.5
24	MP2A	Mz	047	3.5
25	MP2B	Y	-69.824	.5
26	MP2B	My	.054	.5
27	MP2B	Mz	.023	.5
28	MP2B	Y	-69.824	3.5
29	MP2B	My	.054	3.5
30	MP2B	Mz	.023	3.5
31	MP2C	Y	-69.824	.5
32	MP2C	My	032	.5
33	MP2C	Mz	.049	.5
34	MP2C	Y	-69.824	3.5
35	MP2C	Mv	032	3.5
36	MP2C	Mz	.049	3.5
37	MP3A	Y	-35.549	3.5
38	MP3A	Mv	018	
39	MP3A	Mz	018	
40	MP3A	Y		1
41	MP3A	My	-35.549	3
42	MP3A		018	3
43	MP3B	Mz	0	3
44	MP3B	Y	-35.549	1
45		My	.015	1
	MP3B	Mz	009	11
46	MP3B	Y	-35.549	3



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP3B	My	.015	3
48	MP3B	Mz	009	3
49	MP3C	Y	-35.549	1
50	MP3C	My	.006	
51	MP3C	Mz	.017	11
52	MP3C	Y	-35.549	3
53	MP3C	My	.006	3
54	MP3C	Mz	.017	3
55	MP2A	Y	-10.719	3
56	MP2A	My	005	3
57	MP2A	Mz	0	3
58	MP2B	Y	-10.719	3
59	MP2B	My	.005	3
60	MP2B	Mz	003	3
	MP2C	Y	-10.719	3
61	MP2C	My	.002	3
62		Mz	.005	3
63	MP2C M101	Y	-75.814	.75
64		My	0	.75
65	M101	Mz	0	.75
66	M101	Y	-44.818	.25
67	MP2A	My	022	.25
68	MP2A	Mz	0	.25
69	MP2A	Y	-44.818	.25
70	MP2B		.019	.25
71	MP2B	My	011	.25
72	MP2B	Mz	-44.818	.25
73	MP2C	Y	.008	.25
74	MP2C	My	.021	.25
75	MP2C	Mz		.25
76	MP3A	Y	-40.305	.25
77	MP3A	My	02	.25
78	MP3A	Mz	0	.25
79	MP3B	Y	-40.305	.25
80	MP3B	My	.017	
81	MP3B	Mz	01	.25
82	MP3C	Y	-40.305	.25
83	MP3C	My	.007	.25
84	MP3C	Mz	.019	.25
85	MP4A	Υ	-51.66	.25
86	MP4A	My	026	.25
87	MP4A	Mz	0	.25
88	MP4A	Y	-51.66	3.75
89	MP4A	My	026	3.75
90	MP4A	Mz	0	3.75
91	MP4B	Y	-51.66	.25
92	MP4B	My	.022	.25
93	MP4B	Mz	013	.25
94	MP4B	Y	-51.66	3.75
95	MP4B	My	.022	3.75
96	MP4B	Mz	013	3.75
97	MP4C	Y	-51.66	.25
98	MP4C	My	.009	.25
99	MP4C	Mz	.024	.25
100	MP4C	Y	-51.66	3.75
01	MP4C	My	.009	3.75
102	MP4C	Mz	.024	3.75
103	MP2B	Y	-17.311	4



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
104	MP2B	My	007	4
105	MP2B	Mz	.004	4
106	MP2C	Y	-17.311	4
104 105 106 107 108	MP2C	My	003	4
108	MP2C	Mz	008	4

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

Me	ember Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	-206.221	.5
3	MP2A	Mx	137	.5
4	MP2A	X	0	3.5
5	MP2A	Z	-206.221	3.5
6	MP2A	Mx	137	3.5
7	MP2B	X	0	.5
8	MP2B	Z	-188.526	.5
9	MP2B	Mx	.156	.5
10	MP2B	X	0	3.5
11	MP2B	Z	-188.526	3.5
12	MP2B	Mx	.156	3.5
13	MP2C	X	0	.5
14	MP2C	Z	-143.723	.5
15	MP2C	Mx	035	.5
16	MP2C	X	0	3.5
17	MP2C	Ž	-143.723	3.5
18	MP2C	Mx	035	3.5
19	MP2A	X	0	.5
20	MP2A	Z	-206.221	.5
21	MP2A	Mx	.137	.5
22	MP2A	X	0	3.5
23	MP2A	Z	-206.221	3.5
24	MP2A	Mx	.137	3.5
25	MP2B	X	0	.5
26	MP2B	Z	-188.526	.5
27	MP2B	Mx	062	.5 .5
28	MP2B		062	
29	MP2B	X		3.5
30	MP2B		-188.526	3.5
31	MP2C	Mx	062	3.5
32	MP2C	X	0	.5
33	MP2C	Z	-143.723	.5
34		Mx	1	.5
35	MP2C	X	0	3.5
	MP2C	Z	-143.723	3.5
36	MP2C	Mx	<u>1</u>	3.5
37	MP3A	X	0	1
38	MP3A	Z	-88.736	
39	MP3A	Mx	0	1
40	MP3A	X	0	3
41	MP3A	Z	-88.736	3
42	MP3A	Mx	0	3
43	MP3B	X	0	1
44	MP3B	Z	-74.192	1
45	MP3B	Mx	.019	1
46	MP3B	X	0	3
47	MP3B	Z	-74.192	3
48	MP3B	Mx	.019	3

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

	Member Label	Antenna Wo (0 De	Magnitude[lb,k-ft]	Location[ft,%]
49	MP3C	X	0	1 1
50	MP3C	Z	-37.365	1
51	MP3C	Mx	018	1
52	MP3C	X	0	3
53	MP3C	Z	-37.365	3
54	MP3C	Mx	018	3
55	MP2A	X	0	3
56	MP2A	Z	-16.751	3
57	MP2A	Mx	0	3
58	MP2B	X	0	3
59	MP2B	Z	-15.461	3
60	MP2B	Mx	.004	3
	MP2C	X	0	3
61 62	MP2C	Ž	-12.194	3
	MP2C	Mx	006	3
63	M101	X	0	.75
64	M101	Ž	-109.109	.75
65	M101	Mx	0	.75
66	MP2A	X	0	.25
67		Ž	-70.174	.25
68	MP2A	Mx	0	.25
69	MP2A MP2B	X	0	.25
70		Ž	-64.402	.25
71	MP2B	Mx	.016	.25
72	MP2B	X	0	.25
73	MP2C	Z	-49,785	.25
74	MP2C	Mx	023	.25
75	MP2C		0	.25
76	MP3A	X Z	-70.174	.25
77	MP3A		0	.25
78	MP3A	Mx	0	.25
79	MP3B	X	-62.251	.25
80	MP3B	Z	.016	.25
81	MP3B	Mx	.010	.25
82	MP3C	X	-42.19	.25
83	MP3C	Z	02	.25
84	MP3C	Mx		.25
85	MP4A	X	0	.25
86	MP4A	Z	-171.36	.25
87	MP4A	Mx	0	3.75
88	MP4A	X		3.75
89	MP4A	Z	-171.36	3.75
90	MP4A	Mx	0	.25
91	MP4B	X	0	.25
92	MP4B	Z	-152.052	.25
93	MP4B	Mx	.038	
94	MP4B	X	0	3.75
95	MP4B	Z	-152.052	3.75
96	MP4B	Mx	.038	3.75
97	MP4C	X	0	.25
98	MP4C	Z	-103.161	.25
99	MP4C	Mx	048	.25
100	MP4C	X	0	3.75
101	MP4C	Z	-103.161	3.75
102	MP4C	Mx	048	3.75
103	MP2B	X	0	4
104	MP2B	Z	-35.893	4
105	MP2B	Mx	009	4



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft %]
106	MP2C	X	0	4
107	MP2C	Z	-16.725	4
108	MP2C	Mx	.008	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	94.263	.5
2	MP2A	Z	-163.269	.5
3	MP2A	Mx	156	.5
4	MP2A	X	94.263	3.5
5	MP2A	Z	-163.269	3.5
6	MP2A	Mx	156	3.5
7	MP2B		76.569	.5
8	MP2B	X	-132.621	.5
9	MP2B	Mx	.117	.5
10	MP2B	X	76.569	3.5
11	MP2B	Z	-132.621	3.5
12	MP2B	Mx	.117	3.5
13	MP2C	X	88.489	.5
14	MP2C	Z	-153.267	.5
15	MP2C	Mx	.034	.5
16	MP2C	X	88.489	3.5
17	MP2C	Z	-153.267	3.5
18	MP2C	Mx	.034	3.5
19	MP2A	X	94.263	.5
20	MP2A	Z	-163,269	.5
21	MP2A	Mx	.062	.5
22	MP2A	X	94.263	3.5
23	MP2A	Z	-163.269	3.5
24	MP2A	Mx	.062	3.5
25	MP2B	X	76.569	.5
26	MP2B	Z	-132.621	.5
27	MP2B	Mx	.015	.5
28	MP2B	X	76.569	3.5
29	MP2B	Z	-132.621	3.5
30	MP2B	Mx	.015	3.5
31	MP2C	X	88.489	.5
32	MP2C	Z	-153.267	.5
33	MP2C	Mx	147	.5
34	MP2C	X	88.489	3.5
35	MP2C	Z	-153.267	3.5
36	MP2C	Mx	147	3.5
37	MP3A	X	37.096	1
38	MP3A	Z	-64.252	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1
39	MP3A	Mx	019	1
40	MP3A	X	37.096	3
41	MP3A	Z	-64.252	3
42	MP3A	Mx	019	3
43	MP3B	X	22.552	1
44	MP3B	Z	-39.061	
45	MP3B	Mx	.02	1
46	MP3B	X	22.552	3
47	MP3B	Z	-39.061	3
48	MP3B	Mx	.02	3
49	MP3C	X	32.349	1
50	MP3C	Z	-56.031	



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

	Member Label	Antenna Wo (30 De	Magnitude[lb,k-ft]	Location[ft,%]
51	MP3C	Mx	021	1 3
52	MP3C	X	32.349	
53	MP3C	Z	-56.031	3
54	MP3C	Mx	021	3
55	MP2A	X	7.73	3
56	MP2A	Z	-13.39	3
57	MP2A	Mx	004	3
58	MP2B	X	6.44	3
59	MP2B	Z	-11.155	3
60	MP2B	Mx	.006	3
61	MP2C	X	7.309	3
62	MP2C	Z	-12.66	3
63	MP2C	Mx	005	3
64	M101	X	58.856	.75
65	M101	Z	-101.941	.75
66	M101	Mx	0	.75
67	MP2A	X	32.201	.25
68	MP2A	Z	-55.773	.25
69	MP2A	Mx	016	.25
70	MP2B	X	26.428	.25
71	MP2B	Z	-45.775	.25
72	MP2B	Mx	.023	.25
73	MP2C	X	30.317	.25
74	MP2C	Z	-52.51	.25
75	MP2C	Mx	019	.25
76	MP3A	X	31.126	.25
77	MP3A	Z	-53.911	.25
78	MP3A	Mx	016	.25
79	MP3B	X	23.203	.25
80	MP3B	Z	-40.188	.25
81	MP3B	Mx	.02	.25
82	MP3C	X	28.54	.25
83	MP3C	Z	-49.433	.25
84	MP3C	Mx	018	.25
85	MP4A	X	76.026	.25
86	MP4A	Z	-131.681	.25
87	MP4A	Mx	038	.25
88	MP4A	X	76.026	3.75
89	MP4A	Z	-131.681	3.75
90	MP4A	Mx	038	3.75
91	MP4B	X	56.717	.25
92	MP4B	Z	-98.237	.25
93	MP4B	Mx	.049	.25
94	MP4B	X	56.717	3.75
95	MP4B	Z	-98.237	3.75
96	MP4B	Mx	.049	3.75
97	MP4C	X	69.724	.25
98	MP4C	Z	-120.766	.25
99	MP4C	Mx	045	.25
100	MP4C	X	69.724	3.75
101	MP4C	Z	-120.766	3.75
101	MP4C	Mx	045	3.75
	MP2B	X	10.376	4
103	MP2B	Z	-17.972	4
104	MP2B	Mx	009	4
105	MP2C	X	15.476	4
106 107	MP2C MP2C	Z	-26.805	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
108	MP2C	Mx	.01	4

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

1	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP2A MP2A	X	132.621	.5
3	MP2A MP2A	Z	-76.569	.5
4	MP2A	Mx	117	.5
5	MP2A MP2A	X	132.621	3.5
6	MP2A	Z	-76.569	3.5
7	MP2B	Mx	117	3.5
8	MP2B	X	117.297	.5
9	MP2B		-67.722	.5
10	MP2B	Mx	.068	.5
11	MP2B	X	117.297	3.5
12	MP2B	Mx	-67.722	3.5
13	MP2C	X	.068	3.5
14	MP2C	Z	176.744	.5
15	MP2C		-102.043	.5
16	MP2C	Mx X	.116	.5
17	MP2C	Z	176.744	3.5
8	MP2C		-102.043	3.5
19	MP2A	Mx X	.116	3.5
20	MP2A	Z	132.621	.5
21	MP2A	Mx	-76.569	.5
22	MP2A	X	015	.5
23	MP2A	Z	132.621	3.5
24	MP2A MP2A	Mx	-76.569	3.5
25	MP2B	X	015	3.5
26	MP2B	Z	117.297	.5
27	MP2B	Mx	-67.722	.5
28	MP2B	X	.068	.5
29	MP2B	Z	117.297	3.5
30	MP2B	Mx	-67.722	3.5
31	MP2C	X	.068 176.744	3.5
32	MP2C	Z		.5
33	MP2C MP2C	Mx	-102.043 152	.5
34	MP2C	X	152 176.744	.5
35	MP2C	Z		3.5
36	MP2C	Mx	-102.043 152	3.5
37	MP3A	X	152 39.061	3.5
38	MP3A	Ž		1
39	MP3A	Mx	-22.552	1 1
0	MP3A	X	02	1
11	MP3A	Ž	39.061	3
2	MP3A	Mx	-22.552	3
13	MP3B	X	02 26.465	3
4	MP3B	Ž		1
5	MP3B	Mx	<u>-15.28</u>	1
6	MP3B	X	.015	1
7	MP3B	Z	26.465	3
8	MP3B	Mx	-15.28	3
9	MP3C	X	.015	3
0	MP3C	Ž	75.328	
1	MP3C	Mx	-43.491	يستسير وسنستا
52	MP3C	X	008	1
	IVIT JO	^	75.328	3



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

	Point Loads (BLC 5 : Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	-43.491	3
54	MP3C	Mx	008	3
55	MP2A	X	11.155	3
56	MP2A	Z	-6.44	3
57	MP2A	Mx	006	3
58	MP2B	X	10.037	3
59	MP2B	Z	-5.795	3
60	MP2B	Mx	.006	3
61	MP2C	X	14.372	3
62	MP2C	Z	-8.298	3
63	MP2C	Mx	001	3
64	M101	X	116.84	.75
65	M101	Z	-67.457	.75
66	M101	Mx	0	.75
67	MP2A	X	45.775	.25
68	MP2A	Z	-26.428	.25
69	MP2A	Mx	023	.25
70	MP2B	X	40.776	.25
71	MP2B	Z	-23.542	.25
72	MP2B	Mx	.024	.25
73	MP2C	X	60.169	.25
74	MP2C	Z	-34.739	.25
75	MP2C	Mx	006	.25
76	MP3A	X	40.188	.25
77	MP3A	Z	-23.203	.25
78	MP3A	Mx	02	.25
79	MP3B	X	33.327	.25
80	MP3B	Z	-19.241	.25
81	MP3B	Mx	.019	.25
82	MP3C	X	59.945	.25
83	MP3C	Z	-34.609	.25
84	MP3C	Mx	006	.25
85	MP4A	X	98.237	.25
86	MP4A	Z	-56.717	.25
87	MP4A	Mx	049	.25
88	MP4A	X	98.237	3.75
89	MP4A	Z	-56.717	3.75
	MP4A	Mx	049	3.75
90	MP4B	X	81.515	.25
92	MP4B	Z	-47.063	.25
	MP4B	Mx	.047	.25
93	MP4B	X	81.515	3.75
94	MP4B	Ž	-47.063	3.75
	MP4B	Mx	.047	3.75
96	MP4C	X	146.385	.25
97	MP4C	Ž	-84.516	.25
98	MP4C MP4C	Mx	015	.25
99	MP4C MP4C	X	146.385	3.75
100		Z	-84.516	3.75
101	MP4C	Mx	015	3.75
102	MP4C	X	11.416	4
103	MP2B	Z	-6.591	4
104	MP2B	Mx	007	4
105	MP2B	X	36.849	4
106	MP2C	Z	-21.275	4
107 108	MP2C MP2C	Mx	.004	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	135.443	.5
2	MP2A		0	.5
3	MP2A	Mx	068	.5
4	MP2A	X	135.443	3.5
5	MP2A	Z	0	3.5
6	MP2A	Mx	068	3.5
7	MP2B	X	153.138	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	.015	.5
10	MP2B	X	153.138	3.5
11	MP2B	Z	0	3.5
12	MP2B	Mx	.015	3.5
13	MP2C	X	197.941	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	.158	.5
16	MP2C	X	197.941	3.5
17	MP2C	Z	0	3.5
18	MP2C	Mx	.158	3,5
19	MP2A	X	135.443	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	068	.5
22	MP2A	X	135,443	3.5
23	MP2A	Z	0	3.5
24	MP2A	Mx	068	3.5
25	MP2B	X	153.138	
26	MP2B	Z	0	.5
27	MP2B	Mx	.117	.5
28	MP2B	X	153.138	.5
29	MP2B	Z		3.5
30	MP2B	Mx	0	3.5
31	MP2C		.117	3.5
32	MP2C	X	197.941	.5
33	MP2C MP2C		0	.5
34	MP2C	Mx	09	.5
35	MP2C	X	197.941	3.5
36	MP2C	Z	0	3.5
37	MP3A	Mx	09	3.5
38	MP3A	X	30.56	1
39		Z	0	
40	MP3A	Mx	015	1
41	MP3A	X	30.56	3
42	MP3A	Z	0	3
	MP3A	Mx	015	3
13 14	MP3B	X	45.104	11
15	MP3B	Z	0	1
	MP3B	Mx	.02	1
16	MP3B	X	45.104	3
7	MP3B	Z	0	3
18	MP3B	Mx	.02	3
9	MP3C	X	81.931	11
50	MP3C	Z	0	1
51	MP3C	Mx	.014	1
2	MP3C	X	81.931	3
3	MP3C	Z	0	3
54	MP3C	Mx	.014	3
55	MP2A	X	11.59	3
6	MP2A	Z	0	3
57	MP2A	Mx	006	3



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	12.88	3
59	MP2B	Z	0	3
60	MP2B	Mx	.006	3
61	MP2C	X	16.147	3
62	MP2C	Z	0	3
63	MP2C	Mx	.003	3
64	M101	X	143.517	.75
65	M101	Z	0	.75
66	M101	Mx	0	.75
67	MP2A	X	47.084	.25
68	MP2A	Z	0	.25
69	MP2A	Mx	024	.25
70	MP2B	X	52.857	.25
	MP2B	Ž	0	.25
71	MP2B	Mx	.023	.25
72	MP2C	X	67.473	.25
73	MP2C	Z	0	.25
74	MP2C	Mx	.012	.25
75	MP3A	X	38.482	.25
76		Z	0	.25
77	MP3A MP3A	Mx	019	.25
78		X	46.405	.25
79	MP3B	Ž	0	.25
80	MP3B	Mx	.02	.25
81	MP3B	X	66.467	.25
82	MP3C	Z	0	.25
83	MP3C		.011	.25
84	MP3C	Mx	94.126	.25
85	MP4A	X	0	.25
86	MP4A	Z	047	.25
87	MP4A	Mx	94.126	3.75
88	MP4A	X	0	3.75
89	MP4A	Z	047	3.75
90	MP4A	Mx	113.434	.25
91	MP4B	X	0	.25
92	MP4B	Z	.049	.25
93	MP4B	Mx	113.434	3.75
94	MP4B	X		3.75
95	MP4B	Z	.049	3.75
96	MP4B	Mx		.25
97	MP4C	X	162.325	.25
98	MP4C	Z	0	.25
99	MP4C	Mx	.028	3.75
100	MP4C	X	162.325	3.75
101	MP4C	Z	0	
102	MP4C	Mx	.028	3.75
103	MP2B	X	20.752	4
104	MP2B	Z	0	4
105	MP2B	Mx	009	4
106	MP2C	X	39.92	4
107	MP2C	Z	0	4
108	MP2C	Mx	007	4

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

<i>HCHIDCI</i>	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	132.621	.5
2	MP2A	Z	76.569	.5

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

0 1	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP2A	Mx	015	.5
4	MP2A	X	132.621	3.5
5	MP2A	Z	76.569	3.5
6	MP2A	Mx	015	3.5
7	MP2B	X	163.269	.5
8	MP2B	Z	94.263	.5
9	MP2B	Mx	062	.5
10	MP2B	X	163.269	3.5
11	MP2B	Z	94.263	3.5
12	MP2B	Mx	062	3.5
13	MP2C	X	142.623	.5
14	MP2C	Z	82,343	.5
15	MP2C	Mx	.134	.5
16	MP2C	X	142.623	3.5
17	MP2C	Z	82.343	3.5
18	MP2C	Mx	.134	3.5
19	MP2A	X	132.621	.5
20	MP2A	Z	76.569	.5
21	MP2A	Mx	117	.5
22	MP2A	X	132.621	3.5
23	MP2A	Ž	76.569	3.5
24	MP2A	Mx	117	3.5
25	MP2B	X	163.269	.5
26	MP2B	Z	94.263	.5
27	MP2B	Mx	.156	.5
28	MP2B	X	163.269	3.5
29	MP2B	Z	94.263	3.5
30	MP2B	Mx	.156	3.5
31	MP2C	X	142.623	.5
32	MP2C	Z	82.343	.5
33	MP2C	Mx	007	.5
34	MP2C	X	142.623	3.5
35	MP2C	Z	82.343	3.5
36	MP2C	Mx	007	3.5
37	MP3A	X	39.061	3.5
38	MP3A	Z	22.552	n dù 1
39	MP3A	Mx	02	1
40	MP3A	X	39.061	
41	MP3A	Z	22.552	3 3
42	MP3A	Mx	02	
43	MP3B	X	64.252	3
14	MP3B	Z	37.096	
45	MP3B	Mx	.019	1 1
46	MP3B	X	64.252	1 3
47	MP3B	Ž	37.096	
18	MP3B	Mx	.019	3
19	MP3C	X	47.282	3
50	MP3C	Ž		1
51	MP3C	Mx	27.298	1 1
52	MP3C		.021 47.282	1
53	MP3C	X		3
54	MP3C		27.298	3
55	MP2A	Mx	.021	3
56	MP2A	X	11.155	3
57	MP2A MP2A	Z	6.44	3
58		Mx	006	3
59	MP2B	X	13.39	3
ו דכ	MP2B	Z	7.73	3



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP2B	Mx	.004	3
51	MP2C	X	11.884	3
2	MP2C	Z	6.861	3
3	MP2C	Mx	.005	3
4	M101	X	116.84	.75
	M101	Z	67.457	.75
6	M101	Mx	0	.75
	MP2A	X	45.775	.25
7	MP2A	Z	26.428	.25
88	MP2A	Mx	023	.25
59	MP2B	X	55.773	.25
0	MP2B	Z	32.201	.25
71	MP2B	Mx	.016	.25
2		X	49.038	.25
3	MP2C	Z	28.312	.25
4	MP2C	Mx	.022	.25
75	MP2C	X	40.188	.25
76	MP3A	Z	23.203	.25
77	MP3A	Mx	02	.25
78	MP3A	X	53.911	.25
79	MP3B	Z	31.126	.25
30	MP3B		.016	.25
31	MP3B	Mx	44.667	.25
82	MP3C	X	25.788	.25
83	MP3C	Z	.02	.25
84	MP3C	Mx	98.237	.25
85	MP4A	X	56.717	.25
86	MP4A	Z	049	.25
87	MP4A	Mx	98.237	3.75
88	MP4A	X	56.717	3.75
89	MP4A	Z		3.75
90	MP4A	Mx	049	.25
91	MP4B	X	131.681	.25
92	MP4B	Z	76.026	.25
93	MP4B	Mx	.038	3.75
94	MP4B	X	131.681	3.75
95	MP4B	Z	76.026	3.75
96	MP4B	Mx	.038	.25
97	MP4C	X	109.151	
98	MP4C	Z	63.019	.25
99	MP4C	Mx	.048	.25
100	MP4C	X	109.151	3.75
01	MP4C	Z	63.019	3.75
02	MP4C	Mx	.048	3.75
03	MP2B	X	31.084	4
104	MP2B	Z	17.946	4
105	MP2B	Mx	009	4
106	MP2C	X	22.251	4
107	MP2C	Z	12.847	4
108	MP2C	Mx	01	4

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

Mambar Labal	Direction	Magnitude(lb,k-ft)	Location[ft,%]
	X	94.263	.5
	Z	163.269	.5
	Mx	.062	.5
	X	94.263	3.5
	Member Label MP2A MP2A MP2A MP2A MP2A	Member Label Direction MP2A X MP2A Z MP2A Mx	Member Label Direction Magnitude[lb,k-ft] MP2A X 94.263 MP2A Z 163.269 MP2A Mx .062 MP2A X .04.263

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP2A	Z	163.269	3.5
6	MP2A	Mx	.062	3.5
7	MP2B	X	103.11	.5
8	MP2B	Z	178.592	.5
9	MP2B	Mx	137	.5
10	MP2B	X	103.11	3.5
11	MP2B	Z	178.592	3.5
12	MP2B	Mx	137	3.5
13	MP2C	X	68.789	.5
14	MP2C	Z	119.146	.5
15	MP2C	Mx	.084	.5
16	MP2C	X	68.789	3.5
17	MP2C	Z	119.146	3.5
18	MP2C	Mx	.084	3.5
19	MP2A	X	94.263	.5
20	MP2A	Z	163.269	.5
21	MP2A	Mx	156	.5
22	MP2A	X	94.263	3.5
23	MP2A	Z	163.269	3.5
24	MP2A	Mx	-,156	3.5
25	MP2B	X	103.11	.5
26	MP2B	Z	178.592	.5
27	MP2B	Mx	.137	.5
28	MP2B	X	103.11	3.5
29	MP2B	Z	178.592	3.5
30	MP2B	Mx	.137	3.5
31	MP2C	X	68.789	.5
32	MP2C	Z	119.146	.5
33	MP2C	Mx	.052	.5
34	MP2C	X	68.789	3.5
35	MP2C	Ž	119.146	3.5
36	MP2C	Mx	.052	3.5
37	MP3A	X	37.096	3.5
38	MP3A	Ž	64.252	1
39	MP3A	Mx	019	1
40	MP3A	X	37.096	3
41	MP3A	Z	64.252	3
42	MP3A	Mx	019	3
43	MP3B	X	44.368	1
44	MP3B	Z	76.848	E-121
45	MP3B	Mx	0	
46	MP3B	X	44.368	3
47	MP3B	Z	76.848	
48	MP3B	Mx	0	3
49	MP3C	X	 16.157	3
50	MP3C	Z		1
51	MP3C	Mx	27.985	1 15
52	MP3C	X	.016	1
53	MP3C	Z	16.157	3
54	MP3C	Mx	27.985	3
55	MP2A	X	.016	3
56	MP2A	Z	7.73	3
57	MP2A		13.39	3
58	MP2B	Mx	004	3
59	MP2B	X	8.376	3
60	MP2B	Z	14.507	3
61	MP2C	Mx	0	3
ULI	IVIFZU	X	5.873	3



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62	MP2C	Z	10.172	3
33	MP2C	Mx	.006	3
64	M101	X	58.856	.75
35	M101	Z	101.941	.75
66	M101	Mx	0	.75
67	MP2A	X	32.201	.25
68	MP2A	Z	55.773	.25
69	MP2A	Mx	016	.25
70	MP2B	X	35.087	.25
71	MP2B	Z	60.772	.25
72	MP2B	Mx	0	.25
73	MP2C	X	23.89	.25
74	MP2C	Z	41.379	.25
75	MP2C	Mx	.024	.25
	MP3A	X	31.126	.25
76 77	MP3A	Z	53.911	.25
78	MP3A	Mx	016	.25
79	MP3B	X	35.087	.25
	MP3B	Ž	60.772	.25
30	MP3B	Mx	0	.25
31	MP3C	X	19.719	.25
32	MP3C	Z	34,154	.25
33	MP3C	Mx	.019	.25
34	MP4A	X	76.026	.25
85	MP4A	Ž	131.681	.25
86		Mx	038	.25
87	MP4A MP4A	X	76.026	3.75
88		Z	131.681	3.75
39	MP4A	Mx	038	3.75
90	MP4A	X	85.68	.25
91	MP4B	Z	148.402	.25
92	MP4B	Mx	0	.25
93	MP4B	X	85.68	3.75
94	MP4B	Z	148.402	3.75
95	MP4B	Mx	0	3.75
96	MP4B	X	48.227	.25
97	MP4C	Z	83.532	.25
98	MP4C	Mx	.047	.25
99	MP4C	X	48.227	3.75
00	MP4C	Z	83.532	3.75
01	MP4C	Mx	.047	3.75
02	MP4C		21.731	4
103	MP2B	X	37.64	4
104	MP2B	Z	0	4
105	MP2B	Mx	7.048	4
106	MP2C	X	12.207	4
107	MP2C	Z	007	4
108	MP2C	Mx	007	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP2A	X	0	.5
2	MP2A	Z	206.221	.5
2	MP2A	Mx	.137	.5
1	MP2A	X	0	3.5
5	MP2A	Z	206.221	3.5
6	MP2A	Mx	.137	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP2B	X	Q	.5
8	MP2B		188.526	.5
9	MP2B	Mx	156	.5
10	MP2B	X	0	3.5
11	MP2B	Z	188.526	3.5
12	MP2B	Mx	156	3.5
13	MP2C	X	0	.5
14	MP2C	Z	143.723	.5
15	MP2C	Mx	.035	.5
16	MP2C	X	0	3.5
17	MP2C	Z	143.723	3.5
18	MP2C	Mx	.035	3.5
19	MP2A	X	0	.5
20	MP2A	Z	206.221	.5
21	MP2A	Mx	137	.5
22	MP2A	X	0	3.5
23	MP2A	Z	206.221	3.5
24	MP2A	Mx	137	3.5
25	MP2B	X	0	.5
26	MP2B	Z	188.526	.5
27	MP2B	Mx	.062	.5
28	MP2B	X	0	3.5
29	MP2B	Z	188.526	3.5
30	MP2B	Mx	.062	3.5
31	MP2C	X	0	.5
32	MP2C	Z	143.723	.5
33	MP2C	Mx	.1	.5
34	MP2C	X	0	3.5
35	MP2C	Z	143.723	3.5
36	MP2C	Mx	- 3 -1 -1	3.5
37	MP3A	X	0	1
38	MP3A	Z	88.736	Lucial 1
39	MP3A	Mx	0	1
40	MP3A	X	0	3
41	MP3A	Z	88.736	3
42	MP3A	Mx	0	3
43	MP3B	X	0	1
44	MP3B	Z	74.192	1
45	MP3B	Mx	019	1
46	MP3B	X	0	3
47	MP3B	Z	74.192	3
48	MP3B	Mx	019	3
49	MP3C	X	0	1
50	MP3C	Z	37.365	1
51	MP3C	Mx	.018	1
52	MP3C	X	0	3
53	MP3C	Z	37.365	3
54	MP3C	Mx	.018	3
55	MP2A	X	0	3
6	MP2A	Z	16.751	3
7	MP2A	Mx	0	3
8	MP2B	X	Ö	3
9	MP2B	Z	15.461	3
60	MP2B	Mx	004	3
61	MP2C	X	0	3
32	MP2C	Ž	12.194	3
63	MP2C	Mx	.006	3



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	M101	X	0	.75
65	M101	Z	109.109	.75
66	M101	Mx	0	.75
67	MP2A	X	0	.25
38	MP2A	Linux Z	70.174	.25
69	MP2A	Mx	0	.25
70	MP2B	X	0	.25
71	MP2B	Z	64.402	.25
72	MP2B	Mx	016	.25
73	MP2C	X	0	.25
74	MP2C	Z	49.785	.25
75	MP2C	Mx	.023	.25
76	MP3A	X	0	.25
77	MP3A	Z	70.174	.25
78	MP3A	Mx	0	.25
79	MP3B	X	0	.25
80	MP3B	Z	62.251	.25
81	MP3B	Mx	016	.25
82	MP3C	X	0	.25
83	MP3C	Z	42.19	.25
84	MP3C	Mx	.02	.25
85	MP4A	X	0	.25
86	MP4A	Z	171.36	.25
87	MP4A	Mx	0	.25
88	MP4A	X	0	3.75
89	MP4A	Z	171.36	3.75
90	MP4A	Mx	0	3.75
91	MP4B	X	0	.25
92	MP4B	Z	152.052	.25
93	MP4B	Mx	038	.25
94	MP4B	X	0	3.75
95	MP4B	Z	152.052	3.75
96	MP4B	Mx	038	3.75
97	MP4C	X	0	.25
98	MP4C	Z	103.161	.25
99	MP4C	Mx	.048	.25
100	MP4C	X	0	3.75
101	MP4C	Z	103.161	3.75
02	MP4C	Mx	.048	3.75
103	MP2B	X	0	4
104	MP2B	Z	35.893	4
105	MP2B	Mx	.009	4
106	MP2C	X	0	4
107	MP2C	Z	16.725	4
108	MP2C	Mx	008	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-94.263	.5
2	MP2A	Z	163.269	.5
3	MP2A	Mx	.156	.5
4	MP2A	X	-94.263	3.5
5	MP2A	7	163.269	3.5
	MP2A	Mx	.156	3.5
6	MP2B	X	-76.569	.5
8	MP2B	Z	132.621	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP2B	Mx	117	.5
10	MP2B	X	-76.569	3.5
11	MP2B	Z	132.621	3.5
12	MP2B	Mx	117	3.5
13	MP2C	X	-88.489	.5
14	MP2C	Z	153.267	.5
15	MP2C	Mx	034	.5
16	MP2C	X	-88,489	3.5
7	MP2C	Z	153.267	3.5
8	MP2C	Mx	034	3.5
9	MP2A	X	-94.263	.5
20	MP2A	Z	163.269	.5
21	MP2A	Mx	062	.5
2	MP2A	X	-94.263	3.5
23	MP2A	Z	163.269	3.5
24	MP2A	Mx	062	3.5
25	MP2B	X	-76.569	.5
6	MP2B	Z	132.621	.5
7	MP2B	Mx	015	.5
8	MP2B	X	-76.569	3.5
9	MP2B	Z	132.621	3.5
0	MP2B	Mx	015	3.5
1	MP2C	X	-88.489	.5
2	MP2C	Z	153.267	.5
3	MP2C	Mx	.147	.5
4	MP2C	X	-88.489	3.5
5	MP2C	Z	153.267	3.5
6	MP2C	Mx	.147	3.5
7	MP3A	X	-37.096	1
8	MP3A	Z	64.252	1
9	MP3A	Mx	.019	1
0	MP3A	X	-37.096	3
1	MP3A	Z	64.252	3
2	MP3A	Mx	.019	3
3	MP3B	X	-22.552	11
4	MP3B	Z	39.061	1
5	MP3B	Mx	02	1
6	MP3B	X	-22.552	3
7	MP3B	Z	39.061	3
8	MP3B	Mx	02	3
9	MP3C	X	-32.349	1
0	MP3C	Z	56.031	1
1	MP3C	Mx	.021	1
2	MP3C	X	-32.349	3
3	MP3C	Z	56.031	3
4	MP3C	Mx	.021	3
5	MP2A	X	-7.73	3
6	MP2A	Z	13.39	3
7	MP2A	Mx	.004	3
8	MP2B	X	-6.44	3
9	MP2B	Z	11.155	3
0	MP2B	Mx	006	3
1	MP2C	X	-7.309	3
2	MP2C	Z	12.66	3
3	MP2C	Mx	.005	3
4	M101	X	-58.856	.75
5	M101	Z	101.941	.75



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

	Point Loads (BLC 10 Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	M101	Mx	0	.75
67	MP2A	X	-32.201	.25
68	MP2A	Z	55.773	.25
69	MP2A	Mx	.016	.25
70	MP2B	X	-26.428	.25
	MP2B	Ž	45.775	.25
71	MP2B	Mx	023	.25
72	MP2C	X	-30.317	.25
73	MP2C	Z	52.51	.25
74		Mx	.019	.25
75	MP2C	X	-31.126	.25
76	MP3A	Z	53.911	.25
77	MP3A	Mx	.016	.25
78	MP3A	X	-23.203	.25
79	MP3B	Ž	40.188	.25
80	MP3B	Mx	02	.25
81	MP3B	X	-28.54	.25
82	MP3C	Z	49.433	.25
83	MP3C	Mx	.018	.25
84	MP3C	X	-76.026	.25
85	MP4A	Z	131.681	.25
86	MP4A	Mx	.038	.25
87	MP4A	X	-76.026	3.75
88	MP4A		131.681	3.75
89	MP4A	Z	.038	3.75
90	MP4A	Mx	-56.717	.25
91	MP4B	X	98.237	.25
92	MP4B	Z	049	.25
93	MP4B	Mx	-56.717	3.75
94	MP4B	X	98.237	3.75
95	MP4B	Z	049	3.75
96	MP4B	Mx		.25
97	MP4C	X	-69.724	.25
98	MP4C	Z	120.766	.25
99	MP4C	Mx	.045	3.75
100	MP4C	X	-69.724	3.75
101	MP4C	Z	120.766	3.75
102	MP4C	Mx	.045	
103	MP2B	X	-10.376	4
104	MP2B	Z	17.972	4
105	MP2B	Mx	.009	4
106	MP2C	X	-15.476	4
107	MP2C	Z	26.805	4
108	MP2C	Mx	01	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-132.621	.5
2	MP2A	Z	76.569	.5
3	MP2A	Mx	.117	,5
4	MP2A	X	-132.621	3.5
5	MP2A	Z	76.569	3.5
6	MP2A	Mx	.117	3.5
7	MP2B	X	-117.297	.5
8	MP2B	Z	67.722	.5
9	MP2B	Mx	068	.5
10	MP2B	X	-117.297	3.5

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

Me	mber Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP2B	Z	67.722	3.5
	MP2B	Mx	068	3.5
	MP2C	X	-176.744	.5
	MP2C	Z	102.043	.5
	MP2C	Mx	116	.5
16	MP2C	X	-176.744	3.5
	MP2C	Z	102.043	3.5
	MP2C	Mx	116	3.5
19	MP2A	X	-132.621	.5
	MP2A	Z	76.569	.5
	MP2A	Mx	.015	.5
	MP2A	X	-132.621	3.5
23	MP2A	Z	76.569	3.5
24	MP2A	Mx	.015	3.5
25	MP2B	X	-117.297	.5
26	MP2B	Z	67.722	.5
	MP2B	Mx	068	.5
	MP2B	X	-117.297	3.5
29	MP2B	Z	67.722	3.5
	MP2B	Mx	068	3.5
	MP2C	X	-176.744	.5
32	MP2C	Z	102.043	.5
	MP2C	Mx	.152	.5
	MP2C	X	-176.744	3.5
	MP2C	Z	102.043	3.5
	MP2C	Mx	.152	3.5
	MP3A	X	-39.061	1
	MP3A	Z	22.552	1
	MP3A	Mx	.02	1
	MP3A	X	-39.061	- 3
	MP3A	Z	22.552	3
42	MP3A	Mx	.02	3
	MP3B	X	-26.465	1
	MP3B	Z	15.28	1
	MP3B	Mx	015	1
	MP3B	X	-26.465	3
	MP3B	Z	15.28	3
	MP3B	Mx	015	3
49 N	MP3C	X	-75.328	1
	MP3C	Z	43.491	
	MP3C	Mx	.008	1
	MP3C	X	-75.328	3
	MP3C	Z	43.491	3
54 N	MP3C	Mx	.008	3
	MP2A	X	-11.155	3
	MP2A	Z	6.44	3
	MP2A	Mx	.006	3
	MP2B	X	-10.037	3
	MP2B	Z	5.795	3
SO N	MP2B	Mx	006	3
	/IP2C	X	-14.372	3
52 N	/IP2C	Z	8.298	3
33 N	/IP2C	Mx	.001	3
34	M101	X	-116.84	.75
65 N	M101	Z	67.457	.75
66	M101	Mx	0	.75
	/IP2A	X	-45.775	.25



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

	Point Loads (BLC 11 Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP2A	Z	26.428	.25
69	MP2A	Mx	.023	.25
70	MP2B	X	-40.776	.25
71	MP2B	Z	23.542	.25
72	MP2B	Mx	024	.25
73	MP2C	X	-60.169	.25
	MP2C	Z	34.739	.25
74 75	MP2C	Mx	.006	.25
76	MP3A	X	-40.188	.25
	MP3A	Ž	23.203	.25
77	MP3A	Mx	.02	.25
78	MP3B	X	-33.327	.25
79	MP3B	Z	19.241	.25
80	MP3B MP3B	Mx	019	.25
81	MP3C	X	-59.945	.25
82	MP3C	Ž	34.609	.25
83	MP3C	Mx	.006	.25
84	MP4A	X	-98,237	.25
85	MP4A MP4A	Ž	56.717	.25
86		Mx	.049	.25
87	MP4A MP4A	X	-98.237	3.75
88		Z	56.717	3.75
89	MP4A	Mx	.049	3.75
90	MP4A	X	-81.515	.25
91	MP4B	Ž	47.063	.25
92	MP4B	Mx	047	.25
93	MP4B	X	-81.515	3.75
94	MP4B	Ž	47.063	3.75
95	MP4B	Mx	047	3.75
96	MP4B		-146,385	.25
97	MP4C	X	84.516	.25
98	MP4C		.015	.25
99	MP4C	Mx	-146.385	3.75
100	MP4C	X	84.516	3.75
101	MP4C		.015	3.75
102	MP4C	Mx	-11.416	4
103	MP2B	X	6.591	4
104	MP2B	Z	.007	4
105	MP2B	Mx		4
106	MP2C	X	<u>-36.849</u>	4
107	MP2C	Z	21.275	4
108	MP2C	Mx	004	

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	T X	-135.443	.5
2	MP2A	7	0	.5
	MP2A	Mx	.068	.5
3	MP2A	X	-135.443	3.5
5	MP2A	7	0	3.5
6	MP2A	Mx	.068	3.5
7	MP2B	X	-153.138	.5
0	MP2B	Z	0	.5
9	MP2B	Mx	015	.5
10	MP2B	X	-153.138	3.5
11	MP2B	Z	0	3.5
12	MP2B	Mx	015	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP2C	X	-197.941	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	-,158	.5
16	MP2C	X	-197.941	3.5
17	MP2C	Z	0	3.5
18	MP2C	Mx	158	3.5
19	MP2A	X	-135.443	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	.068	.5
22	MP2A	X	-135.443	3.5
23	MP2A	Z	0	3.5
24	MP2A	Mx	.068	3.5
25	MP2B	X	-153,138	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	117	.5
28	MP2B	X	-153.138	3.5
29	MP2B	Z	0	3.5
30	MP2B	Mx	117	3.5
31	MP2C	X	-197.941	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	.09	.5
34	MP2C	X	-197.941	3.5
35	MP2C	Z	0	3.5
36	MP2C	Mx	.09	3.5
37	MP3A	X	-30.56	1
38	MP3A	Z	0	E-21/30 1
39	MP3A	Mx	.015	
40	MP3A	X	-30.56	3
41	MP3A	Z	0	3
42	MP3A	Mx	.015	3
43	MP3B	X	-45.104	1
44	MP3B	Z	0	1
45	MP3B	Mx	02	1
46	MP3B	X	-45.104	3
47	MP3B	Z	0	3
48	MP3B	Mx	02	3
49	MP3C	X	-81.931	1
50	MP3C	Z	0	
51	MP3C	Mx	014	1
52	MP3C	X	-81.931	3
53	MP3C	Z	0	3
54	MP3C	Mx	014	3
55	MP2A	X	-11.59	3
56	MP2A	Z	0	3
57	MP2A	Mx	.006	3
58	MP2B	X	-12.88	3
59	MP2B	Z	0	3
60	MP2B	Mx	006	3
11	MP2C	X	-16.147	3
2	MP2C	Z	0	3
3	MP2C	Mx	003	3
4	M101	X	-143.517	
55	M101	Z	-143.517	.75 .75
36	M101	Mx	0	
57	MP2A	X	-47.084	.75
88	MP2A	Z	0	.25
39	MP2A	Mx	.024	.25 .25



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP2B	X	-52.857	.25
71	MP2B	Z	0	.25
72	MP2B	Mx	023	.25
	MP2C	X	-67.473	.25
73	MP2C	Ž	0	.25
74	MP2C	Mx	012	.25
75	MP3A	X	-38.482	.25
76	MP3A	Z	0	.25
77	MP3A	Mx	.019	.25
78		X	-46.405	.25
79	MP3B	Z	0	.25
80	MP3B	Mx	02	.25
81	MP3B	X	-66.467	.25
82	MP3C	Z	0	.25
83	MP3C	Mx	011	.25
84	MP3C	X	-94.126	.25
85	MP4A	Z	0	.25
86	MP4A	Mx	.047	.25
87	MP4A	X	-94.126	3.75
88	MP4A	Z	0	3.75
89	MP4A	Mx	.047	3.75
90	MP4A		-113.434	.25
91	MP4B	X	0	.25
92	MP4B		049	.25
93	MP4B	Mx	-113.434	3.75
94	MP4B	X	-113.434	3.75
95	MP4B		049	3.75
96	MP4B	Mx	-162.325	.25
97	MP4C	X	0	.25
98	MP4C	Z	028	.25
99	MP4C	Mx	-162.325	3.75
100	MP4C	X	-162.325	3.75
101	MP4C	Z		3.75
102	MP4C	Mx	028	3.73
103	MP2B	X	-20.752	4
104	MP2B	Z	0	4
105	MP2B	Mx	.009	4
106	MP2C	X	-39.92	
107	MP2C	Z	0	4 4
108	MP2C	Mx	.007	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
4	MP2A	X	-132.621	.5
2	MP2A	7	-76.569	.5
3	MP2A	Mx	.015	.5
	MP2A	X	-132.621	3.5
5	MP2A	7	-76.569	3.5
6	MP2A	Mx	.015	3.5
7	MP2B	X	-163.269	.5
8	MP2B	Z	-94.263	.5
9	MP2B	Mx	.062	.5
	MP2B	X	-163.269	3.5
10	MP2B	7	-94.263	3.5
	MP2B	Mx	.062	3.5
12	MP2C	X	-142.623	.5
13 14	MP2C	7	-82.343	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP2C	Mx	134	.5
16	MP2C	X	-142.623	3.5
17	MP2C	Z	-82.343	3.5
18	MP2C	Mx	134	3.5
19	MP2A	X	-132.621	.5
20	MP2A	Z	-76.569	.5
21	MP2A	Mx	.117	.5
22	MP2A	X	-132.621	3.5
23	MP2A	Z	-76,569	3.5
24	MP2A	Mx	.117	3.5
25	MP2B	X	-163,269	.5
26	MP2B	Z	-94.263	.5
27	MP2B	Mx	156	.5
28	MP2B	X	-163.269	3.5
29	MP2B	Z	-94.263	3.5
30	MP2B	Mx	156	3.5
31	MP2C	X	-142.623	.5
32	MP2C	Z	-82.343	.5
33	MP2C	Mx	.007	.5
34	MP2C	X	-142.623	3.5
35	MP2C	Z	-82.343	3.5
36	MP2C	Mx	.007	3.5
37	MP3A	X	-39.061	1
38	MP3A	Z	-22.552	1 1
39	MP3A	Mx	.02	1
40	MP3A	X	-39.061	3
41	MP3A	Z	-22.552	3
42	MP3A	Mx	.02	3
43	MP3B	X	-64.252	1
44	MP3B	Z	-37.096	
45	MP3B	Mx	019	1
46	MP3B	X	-64.252	3
17	MP3B	Z	-37.096	3
48	MP3B	Mx	019	3
49	MP3C	X	-47.282	1
50	MP3C	Z	-27.298	
51	MP3C	Mx	021	1
52	MP3C	X	-47.282	3
53	MP3C	Z	-27.298	3
54	MP3C	Mx	021	3
55	MP2A	X	-11.155	3
6	MP2A	Z	-6.44	3
7	MP2A	Mx	.006	3
8	MP2B	X	-13.39	3
9	MP2B	Z	-7.73	3
60	MP2B	Mx	004	3
1	MP2C	X	-11.884	3
2	MP2C	Z	-6.861	3
3	MP2C	Mx	005	
4	M101	X	-116.84	.75
5	M101	Z	-67.457	
6	M101	Mx		.75
7	MP2A	X	0 -45.775	.75
8	MP2A	Ž	-45.775 -26.428	.25
9	MP2A	Mx		.25
0	MP2B	X	.023 -55.773	.25
	IVIL ZLJ		-55.773	.25

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

Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72 MP2B	Mx	016	.25
73 MP2C	X	-49.038	.25
74 MP2C	Z	-28.312	.25
75 MP2C	Mx	022	.25
76 MP3A	X	-40.188	.25
77 MP3A	Z	-23.203	.25
78 MP3A	Mx	.02	.25
79 MP3B	X	-53.911	.25
80 MP3B	Z	-31.126	.25
81 MP3B	Mx	016	.25
82 MP3C	X	-44.667	.25
83 MP3C	Z	-25.788	.25
84 MP3C	Mx	02	.25
85 MP4A	X	-98.237	.25
	Z	-56.717	.25
0.0	Mx	.049	.25
STANCE AND ADDRESS OF THE PARTY	X	-98.237	3.75
7.7	Z	-56.717	3.75
	Mx	.049	3.75
	X	-131.681	.25
	Z	-76.026	.25
92 MP4B	Mx	038	.25
93 MP4B	X	-131.681	3.75
94 MP4B	Z	-76.026	3.75
95 MP4B	Mx	038	3.75
96 MP4B	X	-109.151	.25
97 MP4C	Z	-63.019	.25
98 MP4C	Mx	048	.25
99 MP4C	X	-109.151	3.75
100 MP4C	Z	-63.019	3.75
101 MP4C	Mx	048	3.75
102 MP4C	X	-31.084	4
103 MP2B	Z	-17.946	4
104 MP2B	Mx	.009	4
105 MP2B		-22.251	4
106 MP2C	X	-12.847	4
107 MP2C		.01	4
108 MP2C	Mx	.01	-

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	I X	-94.263	.5
2	MP2A	Z	-163.269	.5
3	MP2A	Mx	062	.5
4	MP2A	X	-94.263	3.5
5	MP2A	Z	-163.269	3.5
6	MP2A	Mx	062	3.5
7	MP2B	X	-103.11	.5
8	MP2B	7	-178.592	.5
9	MP2B	Mx	.137	.5
	MP2B	X	-103.11	3.5
10	MP2B	7	-178.592	3.5
11	MP2B	Mx	.137	3.5
12	MP2C	X	-68.789	.5
13	MP2C	Z	-119.146	.5
14	MP2C	Mx	084	.5
15 16	MP2C	X	-68.789	3.5



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

47 1	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP2C	Z	-119.146	3.5
18	MP2C	Mx	084	3.5
19	MP2A	X	-94.263	.5
20	MP2A	Z	-163.269	.5
21	MP2A	Mx	.156	.5
22	MP2A	X	-94.263	3.5
23	MP2A	Z	-163.269	3.5
24	MP2A	Mx	.156	3.5
25	MP2B	X	-103.11	.5
26	MP2B	Z	-178.592	.5
27	MP2B	Mx	137	.5
28	MP2B	X	-103.11	3.5
29	MP2B	Z	-178.592	3.5
30	MP2B	Mx	137	3.5
31	MP2C	X	-68.789	.5
32	MP2C	Z	-119.146	.5
33	MP2C	Mx	052	.5
34	MP2C	X	-68.789	3.5
35	MP2C	Ž	-119.146	3.5
36	MP2C	Mx	052	3.5
37	MP3A	X	-37.096	3.5
38	MP3A	Z	-64.252	
39	MP3A	Mx	.019	1
40	MP3A	X	-37.096	
41	MP3A	Z	-64.252	3
42	MP3A	Mx		3
43	MP3B	X	.019	3
44	MP3B	Ž	-44.368	1
45	MP3B	Mx	-76.848	
46	MP3B		0	11
47	MP3B	X	-44.368	3
48	MP3B		-76.848	3
49	MP3C	Mx	0	3
50	MP3C	X	-16.157	11
51	MP3C		-27.985	1
52		Mx	016	11
53	MP3C MP3C	X	-16.157	3
54		Z	-27.985	3
55	MP3C	Mx	016	3
	MP2A	X	-7.73	3
56	MP2A	Z	-13.39	3
57	MP2A	Mx	.004	3
58	MP2B	X	-8.376	3
59	MP2B	Z	-14.507	3
60	MP2B	Mx	0	3
61	MP2C	X	-5.873	3
32	MP2C	Z	-10.172	3
33	MP2C	Mx	006	3
64	M101	X	-58.856	.75
35	M101	Z	-101.941	.75
66	M101	Mx	0	.75
67	MP2A	X	-32.201	.25
88	MP2A	Z	-55.773	.25
9	MP2A	Mx	.016	.25
70	MP2B	X	-35.087	.25
71	MP2B	Z	-60.772	.25
72	MP2B	Mx	0	.25
73	MP2C	X	-23.89	.25



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

	Point Loads (BLC 14 Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
74	MP2C	7	-41.379	.25
74	MP2C	Mx	024	.25
75	MP3A	X	-31.126	.25
76	MP3A	Z	-53.911	.25
77	MP3A	Mx	.016	.25
78	MP3B	X	-35.087	.25
79		Z	-60.772	.25
80	MP3B	Mx	0	.25
81	MP3B	X	-19.719	.25
82	MP3C	Z	-34.154	.25
83	MP3C	Mx	019	.25
84	MP3C	X	-76.026	.25
85	MP4A	7	-131.681	.25
86	MP4A	Mx	.038	.25
87	MP4A	X	-76.026	3.75
88	MP4A	Z	-131.681	3.75
89	MP4A		.038	3.75
90	MP4A	Mx	-85.68	.25
91	MP4B	X	-148.402	.25
92	MP4B	Z	0	.25
93	MP4B	Mx	-85.68	3.75
94	MP4B	X		3.75
95	MP4B	Z	-148.402	3.75
96	MP4B	Mx	0	.25
97	MP4C	X	-48.227	.25
98	MP4C	Z	-83.532	.25
99	MP4C	Mx	047	3.75
100	MP4C	X	-48.227	3.75
101	MP4C	Z	-83.532	3.75
102	MP4C	Mx	047	
103	MP2B	X	-21.731	4
104	MP2B	Z	-37.64	4
105	MP2B	Mx	0	4
106	MP2C	X	-7.048	4
107	MP2C	Z	-12.207	4
108	MP2C	Mx	.007	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	-36.151	.5
3	MP2A	Mx	024	.5
4	MP2A	X	0	3.5
5	MP2A	Z	-36.151	3.5
6	MP2A	Mx	024	3.5
7	MP2B	X	0	.5
8	MP2B	Z	-33.278	.5
9	MP2B	Mx	.028	.5
10	MP2B	X	0	3.5
11	MP2B	Z	-33.278	3.5
12	MP2B	Mx	.028	3.5
13	MP2C	X	0	.5
	MP2C	7	-26.004	.5
14	MP2C	Mx	006	.5
15	MP2C	X	0	3.5
16	MP2C	7	-26.004	3.5
17	MP2C	Mx	006	3.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP2A	X	0	.5
20	MP2A	Z	-36.151	.5
21	MP2A	Mx	.024	.5
22	MP2A	X	0	3.5
23	MP2A	Z	-36.151	3.5
24	MP2A	Mx	.024	3.5
25	MP2B	X	0	.5
26	MP2B	Z	-33.278	.5
27	MP2B	Mx	011	.5
28	MP2B	X	0	3.5
29	MP2B	Z	-33.278	3.5
30	MP2B	Mx	011	3.5
31 32	MP2C	X	0	.5
	MP2C	Z	-26.004	.5
33	MP2C	Mx	018	.5
34 35	MP2C	X	0	3.5
36	MP2C MP2C	Z	-26.004	3.5
37	MP3A	Mx	018	3.5
38	MP3A	X	0	1
39	MP3A	Z	-19.227	1
40	MP3A	Mx	0	1
41	MP3A	X	0	3
42	MP3A	Z	-19.227	3
43	MP3B	Mx	0	3
44	MP3B	X	0	1
45	MP3B		-16.467	1 1
46	MP3B	Mx X	.004	1
47	MP3B	Ž	0	3
48	MP3B	Mx	-16.467	3
49	MP3C	X	.004	3
50	MP3C	Ž	-9.48	1 1
51	MP3C	Mx	-9.48 004	1
52	MP3C	X	0	1
53	MP3C	Z	-9.48	3
54	MP3C	Mx	004	3
55	MP2A	X	0	3
56	MP2A	Z	-3.932	3
57	MP2A	Mx	0	3
58	MP2B	X	Ö	3
59	MP2B	Z	-3.686	3
60	MP2B	Mx	.000922	3
31	MP2C		0	
62	MP2C	X	-3.065	3
63	MP2C	Mx	001	3
64	M101	X	0	.75
35	M101	Ž	-21.336	.75
36	M101	Mx	0	.75
37	MP2A	X	0	.25
88	MP2A	Z	-16,203	.25
39	MP2A	Mx	0	.25
70	MP2B	X	0	.25
71	MP2B	Z	-14.97	.25
72	MP2B	Mx	.004	.25
73	MP2C	X	0	.25
4	MP2C	Z	-11.847	.25
75	MP2C	Mx	006	.25



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP3A	X	0	.25
77	MP3A	Z	-16.203	.25
78	MP3A	Mx	0	.25
79	MP3B	X	0	.25
80	MP3B	Z	-14.501	.25
81	MP3B	Mx	.004	.25
82	MP3C	X	0	.25
83	MP3C	7	-10.192	.25
84	MP3C	Mx	005	.25
85	MP4A	X	0	.25
86	MP4A	Ž	-30.351	.25
87	MP4A	Mx	0	.25
	MP4A	X	0	3.75
88 89	MP4A	Z	-30.351	3.75
	MP4A	Mx	0	3.75
90	MP4B	X	0	.25
	MP4B	Z	-27.208	.25
92	MP4B	Mx	.007	.25
93	MP4B	X	0	3.75
94	MP4B	Z	-27.208	3.75
95	MP4B	Mx	.007	3.75
96	MP4C	X	0	.25
97	MP4C	IAM Z	-19.248	.25
98	MP4C	Mx	009	.25
99	MP4C	X	0	3.75
100	MP4C	Z	-19.248	3.75
101	MP4C	Mx	009	3.75
102		X	0	4
103	MP2B	Ž	-7.518	4
104	MP2B	Mx	002	4
105	MP2B	X	0	4
106	MP2C	Z	-4.004	4
107	MP2C	Mx	.002	4
108	MP2C	IVIA	.002	

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	16.639	.5
2	MP2A	7	-28.82	.5
3	MP2A	Mx	028	.5
4	MP2A	X	16.639	3.5
5	MP2A	Z	-28.82	3.5
6	MP2A	Mx	028	3.5
7	MP2B	X	13.766	.5
8	MP2B	Z	-23.844	.5
9	MP2B	Mx	.021	,5
10	MP2B	X	13.766	3.5
11	MP2B	Z	-23.844	3.5
12	MP2B	Mx	.021	3.5
13	MP2C	X	15.702	,5
14	MP2C	Z	-27.196	.5
15	MP2C	Mx	.006	.5
16	MP2C	X	15.702	3.5
17	MP2C	Z	-27.196	3.5
18	MP2C	Mx	.006	3.5
19	MP2A	X	16.639	.5
20	MP2A	Z	-28.82	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP2A	Mx	.011	.5
22	MP2A	X	16.639	3.5
23	MP2A	Z	-28.82	3.5
24	MP2A	Mx	.011	3.5
25	MP2B	X	13.766	.5
26	MP2B	Z	-23.844	.5
27	MP2B	Mx	.003	.5
28	MP2B	X	13.766	3.5
29	MP2B	Z	-23.844	3.5
30	MP2B	Mx	.003	3.5
31	MP2C	X	15.702	.5
32	MP2C	Ž	-27.196	.5
13	MP2C	Mx	026	.5
14	MP2C	X	15.702	
5	MP2C	Z		3.5
6	MP2C		-27.196	3.5
7	MP3A	Mx	026	3.5
	MPOA	X	8,234	1
8	MP3A	Z	-14.261	
9	MP3A	Mx	004	1
0	MP3A	X	8.234	3
1	MP3A	Z	-14.261	3
2	MP3A	Mx	004	3
3	MP3B	X	5.474	1
4	MP3B	Z	-9.482	
5	MP3B	Mx	.005	1
6	MP3B	X	5.474	3
7	MP3B	Z	-9.482	3
8	MP3B	Mx	.005	3
9	MP3C	X	7.333	1
0	MP3C	Z	-12.701	
1	MP3C	Mx		1
2	MP3C		005	1
3		X	7.333	3
4	MP3C	Z	-12.701	3
	MP3C	Mx	005	3
5	MP2A	X	1.843	3
6	MP2A	Z	-3.193	3
7	MP2A	Mx	000922	3
8	MP2B	X	1.598	3
9	MP2B	Z	-2.767	3
0	MP2B	Mx	.001	3
1	MP2C	X	1.763	3
2	MP2C	Z	-3.054	3
3	MP2C	Mx	001	3
4	M101	X	11.901	.75
5	M101	Z	-20.612	.75
6	M101	Mx	-20.612	.75
7	MP2A	X	7.485	
8	MP2A	Z		.25
9	MP2A		-12.964	.25
2	MP2B	Mx	004	.25
		X	6.252	.25
1	MP2B	Z	-10.828	.25
2	MP2B	Mx	.005	.25
3	MP2C	X	7.082	.25
4	MP2C	Z	-12.267	.25
5	MP2C	Mx	005	.25
6	MP3A	X	7.251	.25
7	MP3A	Z	-12.558	.25



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP3A	Mx	004	.25
79	MP3B	X	5.549	.25
80	MP3B	Z	-9.611	.25
	MP3B	Mx	.005	.25
81 82	MP3C	X	6.695	.25
	MP3C	Ž	-11.596	.25
83	MP3C	Mx	004	.25
84	MP4A	X	13.604	.25
85	MP4A	Z	-23.562	.25
86	MP4A	Mx	007	.25
87	MP4A	X	13.604	3.75
88	MP4A	Z	-23.562	3.75
89	MP4A	Mx	007	3.75
90	MP4B	X	10.46	.25
91	MP4B	Z	-18.118	.25
92	MP4B	Mx	.009	.25
93	MP4B	X	10.46	3.75
94		Z	-18.118	3.75
95	MP4B MP4B	Mx	.009	3.75
96	MP4C	X	12.578	.25
97	MP4C	Z	-21.786	.25
98	MP4C	Mx	008	.25
99	MP4C	X	12.578	3.75
100		Z	-21.786	3.75
101	MP4C	Mx	008	3.75
102	MP4C	X	2.371	4
103	MP2B	Z	-4.107	4
104	MP2B	Mx	002	4
105	MP2B	X	3.306	4
106	MP2C	Z	-5.726	4
107	MP2C	Mx	.002	4
108	MP2C	IVIA	7002	

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

	Point Loads (BLC 17 Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	23.844	.5
2	MP2A	Z	-13.766	.5
3	MP2A	Mx	021	.5
4	MP2A	X	23.844	3.5
5	MP2A	Z	-13.766	3.5
6	MP2A	Mx	021	3.5
7	MP2B	X	21.356	.5
8	MP2B	Z	-12.33	.5
9	MP2B	Mx	.012	.5
10	MP2B	X	21.356	3.5
11	MP2B	Z	-12.33	3.5
12	MP2B	Mx	.012	3.5
13	MP2C	X	31.008	.5
14	MP2C	Z	-17.902	.5
15	MP2C	Mx	.02	.5
16	MP2C	X	31.008	3.5
17	MP2C	Z	-17.902	3.5
18	MP2C	Mx	.02	3.5
19	MP2A	X	23.844	.5
20	MP2A	Ž	-13.766	.5
	MP2A	Mx	003	.5
21 22	MP2A	X	23.844	3.5

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

00	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2A	Z	-13.766	3.5
24	MP2A	Mx	003	3.5
25	MP2B	X	21.356	.5
26	MP2B	Z	-12.33	.5
27	MP2B	Mx	.012	.5
28	MP2B	X	21.356	3.5
29	MP2B	Z	-12.33	3.5
30	MP2B	Mx	.012	3.5
31	MP2C	X	31.008	.5
32	MP2C	Z	-17.902	.5
33	MP2C	Mx	027	.5
34	MP2C	X	31.008	3.5
35	MP2C	Z	-17.902	3.5
6	MP2C	Mx	027	3.5
7	MP3A	X	9.482	1
8	MP3A	Z	-5.474	
9	MP3A	Mx	005	
0	MP3A	X	9.482	3
1	MP3A	Z	-5.474	3
2	MP3A	Mx	005	3
3	MP3B	X	7.092	1
4	MP3B	Z	-4.094	والمساول المستوال
5	MP3B	Mx	.004	1
6	MP3B	X	7.092	3
7	MP3B	Z	-4.094	3
8	MP3B	Mx	.004	3
9	MP3C	X	16.363	1
0	MP3C	Z	-9.447	1
1	MP3C	Mx	002	1
2	MP3C	X	16.363	3
3	MP3C	Z	-9.447	3
4	MP3C	Mx	002	3
5	MP2A	X	2.767	3
6	MP2A	Z	-1.598	3
7	MP2A	Mx	001	3
8	MP2B	X	2.555	3
9	MP2B	Z	-1.475	3
0	MP2B	Mx	.001	3
1	MP2C	X	3.379	3
2	MP2C	Z	-1.951	3
3	MP2C	Mx	000339	3
4	M101	X	24.881	.75
5	M101	Z	-14.365	.75
6	M101	Mx	0	.75
7	MP2A	X	10.828	.25
В	MP2A	Z	-6.252	.25
9	MP2A	Mx	005	.25
0	MP2B	X	9.76	.25
1	MP2B	Z	-5.635	.25
2	MP2B	Mx	.006	.25
3	MP2C	X	13.904	.25
4	MP2C	Z	-8.027	.25
5	MP2C	Mx	001	.25
3	МРЗА	X	9.611	.25
7	MP3A	Z	-5.549	.25
8	МРЗА	Mx	005	.25
9	MP3B	X	8.137	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP3B	Z	-4.698	.25
81	MP3B	Mx	.005	.25
82	MP3C	X	13.855	.25
83	MP3C	Z	-7.999	.25
84	MP3C	Mx	001	.25
85	MP4A	X	18.118	.25
86	MP4A	Z	-10.46	.25
87	MP4A	Mx	009	.25
88	MP4A	X	18.118	3.75
89	MP4A	Z	-10.46	3.75
90	MP4A	Mx	009	3.75
91	MP4B	X	15.396	.25
92	MP4B	Z	-8.889	.25
93	MP4B	Mx	.009	.25
94	MP4B	X	15.396	3.75
95	MP4B	Z	-8.889	3.75
96	MP4B	Mx	.009	3.75
97	MP4C	X	25.956	.25
98	MP4C	Z	-14.986	.25
99	MP4C	Mx	003	.25
100	MP4C	X	25.956	3.75
101	MP4C	Z	-14.986	3.75
102	MP4C	Mx	003	3.75
103	MP2B	X	2.905	4
104	MP2B	Z	-1.677	4
105	MP2B	Mx	002	4
106	MP2C	X	7.568	4
107	MP2C	Z	-4.369	4
108	MP2C	Mx	.000759	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	24.659	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	012	.5
4	MP2A	X	24.659	3.5
5	MP2A	Z	0	3.5
6	MP2A	Mx	012	3.5
7	MP2B	X	27.532	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	,,003	.5
10	MP2B	X	27.532	3.5
11	MP2B	Z	0	3.5
12	MP2B	Mx	.003	3.5
13	MP2C	X	34.807	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	.028	.5
16	MP2C	X	34.807	3.5
17	MP2C	Z	0	3.5
18	MP2C	Mx	.028	3.5
19	MP2A	X	24.659	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	012	.5
22	MP2A	X	24.659	3.5
23	MP2A	Z	0	3.5
24	MP2A	Mx	012	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP2B	X	27.532	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	.021	.5
28	MP2B	X	27.532	3.5
29	MP2B	Z	0	3.5
30	MP2B	Mx	.021	3.5
31	MP2C	X	34.807	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	016	.5
34	MP2C	X	34.807	3.5
35	MP2C	Z	0	3.5
36	MP2C	Mx	016	3.5
37	MP3A	X	8.189	1
38	MP3A	Z	0	
39	MP3A	Mx	004	1
40	MP3A	X	8.189	3
41	MP3A	Z	0	3
42	MP3A	Mx	004	3
43	MP3B	X	10.948	1
44	MP3B	Z	0	Richard Control
45	MP3B	Mx	.005	1
46	MP3B	X	10.948	3
47	MP3B	Z	0	3
48	MP3B	Mx	.005	3
49	MP3C	X	17.936	1
50	MP3C	Z	0	in-in-in-in-in-in-in-in-in-in-in-in-in-i
51	MP3C	Mx	.003	1
52	MP3C	X	17.936	3
53	MP3C	Z	0	3
54	MP3C	Mx	.003	3
55	MP2A	X	2.95	3
56	MP2A	Z	0	3
57	MP2A	Mx	001	3
58	MP2B	X	3.196	3
59	MP2B	Z	0	3
60	MP2B	Mx	.001	3
61	MP2C	X	3.817	3
62	MP2C	Z	0	3
63	MP2C	Mx	.000653	3
64	M101	X	31.195	.75
65	M101	Z	0	.75
66	M101	Mx	Ö	.75
67	MP2A		11.27	.25
68	MP2A	X	0	.25
69	MP2A	Mx	006	.25
70	MP2B	X	12.503	.25
71	MP2B	Z	0	.25
72	MP2B	Mx	.005	.25
73	MP2C	X	15.626	.25
74	MP2C	Ž	0	.25
75	MP2C	Mx	.003	.25
76	MP3A	X	9.396	.23
77	MP3A	Z	9.396	.25
78	MP3A	Mx		.25
79	MP3B	X	005	.25
80	MP3B	Z	11.097	.25
81	MP3B		0	.25
011	IVIT JD	Mx	.005	.25



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP3C	X	15.407	.25
83	MP3C	Z	0	.25
84	MP3C	Mx	.003	.25
85	MP4A	X	17.777	.25
86	MP4A	Z	0	.25
87	MP4A	Mx	009	.25
88	MP4A	X	17.777	3.75
89	MP4A	Z	0	3.75
90	MP4A	Mx	009	3.75
91	MP4B	X	20.921	.25
92	MP4B	Z	0	.25
93	MP4B	Mx	.009	.25
94	MP4B	X	20.921	3.75
95	MP4B	Z	0	3.75
96	MP4B	Mx	.009	3.75
97	MP4C	X	28.88	.25
98	MP4C	Z	0	.25
99	MP4C	Mx	.005	.25
100	MP4C	X	28.88	3.75
101	MP4C	Z	0	3.75
102	MP4C	Mx	.005	3.75
103	MP2B	X	4.742	4
104	MP2B	Z	0	4
105	MP2B	Mx	002	4
106	MP2C	X	8.257	4
107	MP2C	Z	0	4
108	MP2C	Mx	001	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	23.844	.5
2	MP2A	Z	13.766	.5
3	MP2A	Mx	003	.5
4	MP2A	X	23.844	3.5
5	MP2A	Z	13.766	3.5
6	MP2A	Mx	003	3.5
7	MP2B	X	28.82	.5
8	MP2B	Z	16.639	.5
9	MP2B	Mx	011	.5
10	MP2B	X	28.82	3.5
11	MP2B	Z	16.639	3.5
12	MP2B	Mx	011	3.5
13	MP2C	X	25.468	.5
14	MP2C	7	14.704	.5
15	MP2C	Mx	.024	.5
16	MP2C	X	25.468	3.5
17	MP2C	Z	14,704	3.5
18	MP2C	Mx	.024	3.5
19	MP2A	X	23.844	.5
20	MP2A	Z	13.766	.5
21	MP2A	Mx	021	.5
22	MP2A	X	23.844	3.5
23	MP2A	Z	13.766	3.5
24	MP2A	Mx	021	3.5
25	MP2B	X	28.82	.5
26	MP2B	Z	16.639	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP2B	Mx	.028	.5
28	MP2B	X	28.82	3.5
29	MP2B	Z	16.639	3.5
30	MP2B	Mx	.028	3.5
31	MP2C	X	25.468	.5
32	MP2C	Z	14.704	.5
33	MP2C	Mx	001	.5
34	MP2C	X	25,468	3.5
35	MP2C	Z	14.704	3.5
36	MP2C	Mx	001	3.5
37	MP3A	X	9,482	1
38	МРЗА	Z	5.474	1
39	MP3A	Mx	005	1
40	МРЗА	X	9.482	3
41	MP3A	Z	5.474	3
42	MP3A	Mx	005	3
43	MP3B	X	14.261	1
44	MP3B	Z	8.234	Triffic Table
45	MP3B	Mx	.004	1
46	MP3B	X	14,261	3
47	MP3B	Ž	8.234	3
48	MP3B	Mx	.004	3 100
49	MP3C	X	11.041	1
50	MP3C	Z	6.375	1 1
51	MP3C	Mx	.005	1
52	MP3C	X	11.041	3
53	MP3C	Z	6.375	3
54	MP3C	Mx	.005	3
55	MP2A	X	2.767	3
56	MP2A	Ž	1.598	3
57	MP2A	Mx	001	3
58	MP2B	X	3.193	3
59	MP2B	Z	1.843	3
60	MP2B	Mx	.000922	3
61	MP2C	X	2.906	3
62	MP2C	Z	1.678	3
63	MP2C	Mx	.001	3
64	M101	X	24.881	.75
65	M101	Z	14.365	.75
66	M101	Mx	0	
67	MP2A	X		.75
68	MP2A	Ž	10.828	.25
69	MP2A	Mx	6.252	.25
70	MP2B	X	005	.25
71	MP2B	Z	12.964	.25
72	MP2B		7.485	.25
73	MP2C	Mx	.004	.25
74	MP2C	X	11.525	.25
75	MP2C		6.654	.25
76		Mx	.005	.25
77	MP3A	X	9.611	.25
	MP3A	Z	5.549	.25
78	MP3A	Mx	005	.25
79	MP3B	X	12.558	.25
80	MP3B	Z	7.251	.25
81	MP3B	Mx	.004	.25
82	MP3C	X	10.573	.25
83	MP3C	Z	6.104	.25



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

Location[ft,%]
.25
.25
.25
.25
3.75
3.75
3.75
.25
.25
.25
3.75
3.75
3.75
.25
.25
.25
3.75
3.75
3.75
4
4
4
4
4
4

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

M	ember Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	16.639	.5
2	MP2A	Z	28.82	.5
3	MP2A	Mx	.011	.5
4	MP2A	X	16.639	3.5
5	MP2A	Z	28.82	3.5
6	MP2A	Mx	.011	3.5
7	MP2B	X	18.076	.5
8	MP2B	Z	31.308	.5
9	MP2B	Mx	024	.5
10	MP2B	X	18.076	3.5
11	MP2B	7	31.308	3.5
12	MP2B	Mx	024	3.5
13	MP2C	X	12.503	.5
14	MP2C	Z	21.656	.5
15	MP2C	Mx	.015	.5
16	MP2C	X	12.503	3.5
17	MP2C	Z	21.656	3.5
18	MP2C	Mx	.015	3.5
19	MP2A	X	16.639	.5
	MP2A	7	28.82	.5
20	MP2A	Mx	028	.5
21	MP2A	X	16.639	3.5
22		Z	28.82	3.5
23	MP2A	Mx	028	3.5
24	MP2A	X	18.076	.5
25	MP2B	Z	31.308	.5
26	MP2B	Mx	.024	.5
27	MP2B MP2B	X	18.076	3.5
28	IVIFZD			

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

20	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	Z	31.308	3.5
30	MP2B	Mx	.024	3.5
31	MP2C	X	12.503	.5
32	MP2C	Z	21.656	.5
33	MP2C	Mx	.009	.5
34	MP2C	X	12.503	3.5
35	MP2C	Z	21.656	3.5
36	MP2C	Mx	.009	3.5
37	MP3A	X	8.234	1
38	MP3A	Z	14.261	1
39	MP3A	Mx	004	1
40	MP3A	X	8.234	3
41	MP3A	Z	14.261	3
42	MP3A	Mx	004	3
43	MP3B	X	9.613	1
44	MP3B	Z	16.651	1
45	MP3B	Mx	0	1
46	MP3B	X	9.613	3
47	MP3B	Z	16.651	3
48	MP3B	Mx	0	3
49	MP3C	X	4.261	1
50	MP3C	Z	7.38	
51	MP3C	Mx	.004	1
52	MP3C	X	4.261	3
53	MP3C	Z	7.38	3
54	MP3C	Mx	.004	3
55	MP2A	X	1.843	3
56	MP2A	Z	3.193	3
57	MP2A	Mx	000922	3
58	MP2B	X	1.966	3
59	MP2B	Z	3.405	3
60	MP2B	Mx	0	3
61	MP2C	X	1.49	3
62	MP2C	Z	2.581	3
63	MP2C	Mx	.001	3
64	M101	X	11.901	.75
65	M101	Z	20.612	.75
66	M101	Mx	0	.75
67	MP2A	X	7.485	.25
68	MP2A	Z	12.964	.25
69	MP2A	Mx	004	.25
70	MP2B	X	8.102	.25
71	MP2B	Z	14.032	.25
72	MP2B	Mx	0	.25
73	MP2C	X	5.709	.25
74	MP2C	Z	9.889	.25
75	MP2C	Mx	.006	.25
76	MP3A	X	7.251	.25
77	MP3A	Z	12.558	.25
78	MP3A	Mx	004	.25
79	MP3B	X	8.102	.25
30	MP3B	Z	14.032	.25
31	MP3B	Mx	0	.25
32	MP3C	X	4.8	.25
33	MP3C	Z	8.315	.25
34	MP3C	Mx	.005	.25
85	MP4A	X	13.604	.25



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP4A	Z	23.562	.25
87	MP4A	Mx	007	.25
88	MP4A	X	13.604	3.75
89	MP4A	Z	23.562	3.75
90	MP4A	Mx	007	3.75
91	MP4B	X	15.175	.25
92	MP4B	Z	26.285	.25
93	MP4B	Mx	0	.25
94	MP4B	X	15.175	3.75
95	MP4B	Z	26.285	3.75
96	MP4B	Mx	0	3.75
97	MP4C	X	9.078	.25
98	MP4C	Z	15.724	.25
99	MP4C	Mx	.009	.25
100	MP4C	X	9.078	3.75
101	MP4C	Z	15.724	3.75
102	MP4C	Mx	.009	3.75
103	MP2B	X	4.453	4
104	MP2B	Z	7.713	4
105	MP2B	Mx	0	4
106	MP2C	X	1.761	4
107	MP2C	Z	3.05	4
108	MP2C	Mx	002	4

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

N/A	ember Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	36.151	.5
3	MP2A	Mx	.024	.5
4	MP2A	X	0	3.5
5	MP2A	Z	36.151	3.5
6	MP2A	Mx	.024	3.5
7	MP2B	X	0	.5
8	MP2B	Z	33.278	.5
9	MP2B	Mx	028	.5
10	MP2B	X	0	3.5
11	MP2B	Z	33.278	3.5
12	MP2B	Mx	028	3.5
13	MP2C	X	0	.5
	MP2C	Z	26.004	.5
14	MP2C	Mx	.006	.5
15	MP2C	X	0	3.5
16 17	MP2C	Z	26.004	3.5
	MP2C	Mx	.006	3.5
18	MP2A	X	0	.5
19	MP2A	Ž	36.151	.5
20	MP2A	Mx	024	.5
21	MP2A	X	0	3.5
22	MP2A	Z	36.151	3.5
23	MP2A	Mx	024	3.5
24	MP2B	X	0	.5
25	MP2B	Z	33.278	.5
26		Mx	.011	.5
27	MP2B	X	0	3.5
28	MP2B	Z	33.278	3.5
29	MP2B	Mx	.011	3.5
30	MP2B	IVIA		



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP2C	X	0	.5
32	MP2C	Z	26.004	.5
33	MP2C	Mx	.018	.5
34	MP2C	X	0	3.5
35	MP2C	Z	26.004	3.5
36	MP2C	Mx	.018	3.5
37	MP3A	X	0	1
38	MP3A	Z	19.227	
39	MP3A	Mx	0	1
40	MP3A	X	0	3
41	MP3A	Z	19.227	3
42	MP3A	Mx	0	3
43	MP3B	X	0	1
44	MP3B	Z	16.467	1
45	MP3B	Mx	004	1
46	MP3B	X	0	3
47	MP3B	Z	16.467	3
48	MP3B	Mx	004	3
49	MP3C	X	0	1 1
50	MP3C	Z	9.48	
51	MP3C	Mx	.004	1
52	MP3C	X	0	3
53	MP3C	Z	9.48	3
54	MP3C	Mx	.004	3
55	MP2A	X	0	3
56	MP2A	Z	3,932	3
57	MP2A	Mx	0	3
58	MP2B	X	0	3
59	MP2B	Z	3.686	3
60	MP2B	Mx	000922	3
61	MP2C	X	0	3
62	MP2C	Z	3.065	3
63	MP2C	Mx	001	3
64	M101	X	0	.75
65	M101	Z	21.336	.75
66	M101	Mx	0	.75
67	MP2A	X	0	.25
68	MP2A	Z	16.203	.25
69	MP2A	Mx	0	.25
70	MP2B	X	0	.25
71	MP2B	Ž	14.97	.25
72	MP2B	Mx	004	.25
73	MP2C	X	0	.25
74	MP2C	Z	11.847	.25
75	MP2C	Mx	.006	.25
76	MP3A	X	0	.25
77	MP3A	Z	16.203	.25
78	MP3A	Mx	0	.25
79	MP3B	X	0	.25
30	MP3B	Z	14.501	.25
31	MP3B	Mx	004	.25
32	MP3C	X	0	.25
33	MP3C	Z	10.192	.25
34	MP3C	Mx	.005	.25
35	MP4A	X	.005	.25
36	MP4A	Z	30.351	.25
87	MP4A	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
00	MP4A	X	0	3.75
88		7	30.351	3.75
89	MP4A	Mx	0	3.75
90	MP4A		0	.25
91	MP4B	X 7	27.208	.25
92	MP4B		007	.25
93	MP4B	Mx		3.75
94	MP4B	X	0	3.75
95	MP4B	Z	27.208	3.75
96	MP4B	Mx	007	
97	MP4C	X	0	.25
98	MP4C	Z	19.248	.25
99	MP4C	Mx	.009	.25
100	MP4C	X	0	3.75
101	MP4C	Z	19.248	3.75
102	MP4C	Mx	.009	3.75
103	MP2B	X	0	4
104	MP2B	Z	7.518	4
	MP2B	Mx	.002	4
105	MP2C	X	0	4
106		Z	4.004	4
107 108	MP2C MP2C	Mx	002	4

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

	Point Loads (BLC 22	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	Member Label MP2A	X	-16.639	.5
1	MP2A	Ž	28.82	.5
2	MP2A	Mx	.028	.5
3		X	-16.639	3.5
4	MP2A	Z	28.82	3.5
5	MP2A	Mx	.028	3.5
6	MP2A	X	-13.766	.5
7	MP2B	Z	23.844	.5
8	MP2B	Mx	021	.5
9	MP2B	X	-13.766	3.5
10	MP2B	Ž	23.844	3.5
11	MP2B	Mx	021	3.5
12	MP2B	X	-15.702	.5
13	MP2C	Ž	27.196	.5
14	MP2C	Mx	006	.5
15	MP2C	X	-15.702	3.5
16	MP2C	Z	27.196	3.5
17	MP2C		006	3.5
18	MP2C	Mix	-16.639	.5
19	MP2A	X	28.82	.5
20	MP2A	Z	011	.5
21	MP2A	Mx	-16.639	3.5
22	MP2A	X	28.82	3.5
23	MP2A	Z		3.5
24	MP2A	Mx	011	.5
25	MP2B	X	-13.766	.5
26	MP2B	Z	23.844	.5
27	MP2B	Mx	003	3.5
28	MP2B	X	-13.766	3.5
29	MP2B	Z	23.844	3.5
30	MP2B	Mx	003	
31	MP2C	X	-15.702	.5
32	MP2C	Z	27.196	.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP2C	Mx	.026	.5
34	MP2C	X	-15.702	3.5
35	MP2C	Z	27.196	3.5
36	MP2C	Mx	.026	3.5
37	MP3A	X	-8.234	1
38	MP3A	Z	14.261	
39	MP3A	Mx	.004	1
40	MP3A	X	-8.234	3
41	MP3A	Z	14.261	3
42	MP3A	Mx	.004	3
43	MP3B	X	-5.474	1
44	MP3B	Z	9.482	1
45	MP3B	Mx	005	11
46	MP3B	X	-5.474	3
47	MP3B	Z	9.482	3
48	MP3B	Mx	005	3
49	MP3C	X	-7.333	1
50	MP3C		12.701	1
51	MP3C	Mx	.005	111
52	MP3C	X	-7.333	3
53	MP3C	Z	12.701	3
54	MP3C	Mx	.005	3
55	MP2A	X	-1.843	3
56	MP2A	Z	3.193	3
57	MP2A	Mx	.000922	3
58	MP2B	X	-1.598	3
59	MP2B	Z	2.767	3
60	MP2B	Mx	001	3
61	MP2C	X	-1.763	3
62	MP2C	Z	3.054	3
63	MP2C	Mx	.001	3
64	M101	X	-11.901	.75
65	M101	Z	20.612	.75
66	M101	Mx	0	.75
67 68	MP2A	X	-7.485	.25
	MP2A	Z	12.964	.25
69 70	MP2A	Mx	.004	.25
71	MP2B	X	-6.252	.25
72	MP2B	Z	10.828	.25
73	MP2B	Mx	005	.25
74	MP2C	X	-7.082	.25
75	MP2C	Z	12.267	.25
76	MP2C	Mx	.005	.25
77	MP3A	X	-7.251	.25
78	MP3A	Z	12,558	.25
79	MP3A	Mx	.004	.25
80	MP3B	X	-5.549	.25
81	MP3B	Z	9.611	.25
82	MP3B	Mx	005	.25
83	MP3C	X	-6.695	.25
	MP3C	Z	11.596	.25
84	MP3C	Mx	.004	.25
86	MP4A	X	-13.604	.25
87	MP4A	Z	23.562	.25
88	MP4A	Mx	.007	.25
89	MP4A	X	-13.604	3.75
03	MP4A	Z	23.562	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP4A	Mx	.007	3.75
91	MP4B	X	-10.46	.25
92	MP4B	Z	18.118	.25
93	MP4B	Mx	009	.25
94	MP4B	X	-10.46	3.75
95	MP4B	Z	18.118	3.75
96	MP4B	Mx	009	3.75
97	MP4C	X	-12.578	.25
98	MP4C	Z	21.786	.25
99	MP4C	Mx	.008	.25
100	MP4C	X	-12.578	3.75
101	MP4C	Z	21.786	3.75
102	MP4C	Mx	.008	3.75
103	MP2B	X	-2.371	4
104	MP2B	Z	4.107	4
105	MP2B	Mx	.002	4
106	MP2C	X	-3.306	4
107	MP2C	Z	5.726	4
108	MP2C	Mx	002	4

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

	Point Loads (BLC 23 Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A		-23.844	.5
2	MP2A	X	13.766	.5
3	MP2A	Mx	.021	.5
4	MP2A	X	-23.844	3.5
5	MP2A	Z	13.766	3.5
6	MP2A	Mx	.021	3.5
7	MP2B	X	-21.356	.5
8	MP2B	Z	12.33	.5
9	MP2B	Mx	012	.5
10	MP2B	X	-21.356	3.5
11	MP2B	Z	12.33	3.5
12	MP2B	Mx	012	3.5
	MP2C	X	-31.008	.5
13	MP2C	Z	17.902	.5
14	MP2C	Mx	02	.5
15	MP2C	X	-31.008	3.5
16	MP2C	Z	17.902	3.5
17		Mx	02	3.5
18	MP2C	X	-23.844	.5
19	MP2A	Z	13.766	.5
20	MP2A	Mx	.003	.5
21	MP2A	X	-23.844	3.5
22	MP2A	Z	13.766	3.5
23	MP2A	Mx	.003	3.5
24	MP2A	X	-21.356	.5
25	MP2B	7	12.33	.5
26	MP2B	Mx	012	.5
27	MP2B	X	-21.356	3.5
28	MP2B	7	12.33	3.5
29	MP2B	Mx	012	3.5
30	MP2B		-31.008	.5
31	MP2C	X	17.902	.5
32	MP2C		.027	.5
33	MP2C	Mx	-31.008	3.5
34	MP2C	X	-31.000	0.0



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP2C	Z	17.902	3.5
36	MP2C	Mx	.027	3.5
37	MP3A	X	-9.482	1
38	MP3A	Z	5.474	1
39	MP3A	Mx	.005	1
40	МР3А	X	-9.482	3
41	MP3A	Z	5.474	3
42	MP3A	Mx	.005	3
43	MP3B	X	-7.092	1
44	MP3B	Z	4.094	
45	MP3B	Mx	004	1
46	MP3B	X	-7.092	3
47	MP3B	Z	4.094	3
48	MP3B	Mx	004	3
19	MP3C	X	-16.363	1
50	MP3C	Z	9.447	1
51	MP3C	Mx	.002	1
52	MP3C	X	-16.363	3
3	MP3C	Z	9.447	3
54	MP3C	Mx	.002	3
55	MP2A	X	-2.767	3
66	MP2A	Z	1.598	3
57	MP2A	Mx	.001	3
8	MP2B	X	-2.555	3
9	MP2B	Z	1.475	3
0	MP2B	Mx	001	3
31	MP2C	X	-3.379	3
32	MP2C	Z	1.951	3
33	MP2C	Mx	.000339	3
34	M101	X	-24.881	.75
55	M101	Z	14.365	.75
6	M101	Mx	0	.75
67	MP2A	X	-10.828	.25
8	MP2A	Z	6.252	.25
9	MP2A	Mx	.005	.25
0	MP2B	X	-9.76	.25
1	MP2B	Z	5.635	.25
2	MP2B	Mx	006	.25
3	MP2C	X	-13.904	.25
4	MP2C	Ž	8.027	.25
5	MP2C	Mx	.001	.25
6	MP3A	X	-9.611	.25
7	MP3A	Ž	5.549	.25
8	MP3A	Mx	.005	.25
9	MP3B	X	-8.137	.25
0	MP3B	Z	4.698	.25
1	MP3B	Mx	005	.25
2	MP3C	X	-13.855	.25
3	MP3C	Z	7.999	.25
4	MP3C	Mx	.001	.25
5	MP4A	X	-18.118	
6	MP4A	Z	10.46	.25
7	MP4A	Mx	.009	.25
8	MP4A	X	-18.118	.25
9	MP4A	Z	-18.118 10.46	3.75
o l	MP4A	Mx	.009	3.75
1	MP4B	X	-15.396	3.75 .25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP4B	Z	8.889	.25
93	MP4B	Mx	009	.25
94	MP4B	X	-15.396	3.75
95	MP4B	Z	8.889	3.75
96	MP4B	Mx	009	3.75
97	MP4C	X	-25.956	.25
98	MP4C	Z Z	14.986	.25
99	MP4C	Mx	.003	.25
100	MP4C	X	-25.956	3.75
101	MP4C	Z	14.986	3.75
102	MP4C	Mx	.003	3.75
103	MP2B	X	-2.905	4
104	MP2B	Z	1.677	4
105	MP2B	Mx	.002	4
106	MP2C	X	-7.568	4
107	MP2C	Z	4.369	4
108	MP2C	Mx	000759	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-24.659	.5
2	MP2A	X	0	.5
3	MP2A	Mx	.012	.5
4	MP2A	X	-24.659	3.5
5	MP2A	Z	0	3.5
6	MP2A	Mx	.012	3.5
7	MP2B	X	-27.532	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	003	.5
10	MP2B	X	-27.532	3.5
11	MP2B	Z	0	3.5
12	MP2B	Mx	003	3.5
13	MP2C	X	-34.807	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	028	.5
16	MP2C	X	-34.807	3.5
17	MP2C	Z	0	3.5
18	MP2C	Mx	028	3.5
19	MP2A	X	-24.659	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	.012	.5
22	MP2A	X	-24.659	3.5
23	MP2A	Z	0	3.5
24	MP2A	Mx	.012	3.5
25	MP2B	X	-27.532	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	021	.5
28	MP2B	X	-27.532	3.5
29	MP2B	Z	0	3.5
30	MP2B	Mx	021	3.5
31	MP2C	X	-34.807	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	.016	.5
34	MP2C	X	-34.807	3.5
35	MP2C	Z	0	3.5
36	MP2C	Mx	.016	3.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP3A	X	-8.189	1
38	MP3A	Z	0	1
39	MP3A	Mx	.004	1
40	MP3A	X	-8.189	3
41	MP3A	Z	0	3
42	MP3A	Mx	.004	3
43	MP3B	X	-10.948	1
44	MP3B	Z	0	
45	MP3B	Mx	005	1
46	MP3B	X	-10.948	3
47	MP3B	Z	0	3
48	MP3B	Mx	005	3
49	MP3C	X	-17.936	1
50	MP3C	Z	0	1
51	MP3C	Mx	003	i
52	MP3C	X	-17.936	3
53	MP3C	Z	0	3
54	MP3C	Mx	003	3
55	MP2A	X	-2.95	3
56	MP2A	Z	0	3
57	MP2A	Mx	.001	3
58	MP2B	X	-3.196	3
59	MP2B	Z	0	3
80	MP2B	Mx	001	3
31	MP2C	X	-3.817	3
32	MP2C	Z	0.017	3
33	MP2C	Mx	000653	3
34	M101	X	-31.195	.75
35	M101	Z	0	.75
66	M101	Mx	Ö	.75
37	MP2A	X	-11.27	.25
88	MP2A	Z	0	.25
39	MP2A	Mx	.006	.25
70	MP2B	X	-12.503	.25
'1	MP2B	Z	0	.25
2	MP2B	Mx	005	.25
'3	MP2C	X	-15.626	.25
4	MP2C	Z	0	.25
5	MP2C	Mx	003	.25
6	MP3A	X	-9.396	.25
7	MP3A	Z	0	.25
8	MP3A	Mx	.005	.25
9	MP3B	X	-11.097	.25
80	MP3B	Ž	0	.25
31	MP3B	Mx	005	.25
2	MP3C	X	-15.407	.25
3	MP3C	Z	0	.25
4	MP3C	Mx	003	.25
5	MP4A	X	-17.777	
6	MP4A	Ž	-17.777	.25
7	MP4A	Mx	.009	.25
8	MP4A	X	-17.777	.25
9	MP4A	Z		3.75
0	MP4A	Mx	0 .009	3.75
1	MP4B	X		3.75
2	MP4B	Z	-20.921	.25
3	MP4B	Mx	0	.25
	WII TID	IVIX	009	.25



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP4B	X	-20.921	3.75
95	MP4B	Z	0	3.75
96	MP4B	Mx	009	3.75
97	MP4C	X	-28.88	.25
98	MP4C	Z	0	.25
99	MP4C	Mx	005	.25
100	MP4C	X	-28.88	3.75
101	MP4C	Z	0	3.75
102	MP4C	Mx	005	3.75
103	MP2B	X	-4.742	4
104	MP2B	Z	0	4
105	MP2B	Mx	.002	4
106	MP2C	X	-8.257	4
107	MP2C	Z	0	4
108	MP2C	Mx	.001	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-23.844	.5
2	MP2A	Z	-13.766	.5
3	MP2A	Mx	.003	.5
4	MP2A	X	-23.844	3.5
5	MP2A	Z	-13.766	3.5
6	MP2A	Mx	.003	3.5
7	MP2B	X	-28.82	.5
8	MP2B	Z	-16.639	.5
9	MP2B	Mx	.011	.5
10	MP2B	X	-28.82	3.5
11	MP2B	Z	-16.639	3.5
12	MP2B	Mx	.011	3.5
13	MP2C	X	-25.468	.5
14	MP2C	Z	-14.704	.5
15	MP2C	Mx	024	.5
16	MP2C	X	-25.468	3.5
17	MP2C	X	-14.704	3.5
18	MP2C	Mx	024	3.5
	MP2A	X	-23.844	.5
19	MP2A	Z	-13.766	.5
20	MP2A	Mx	.021	.5
21	MP2A	X	-23.844	3.5
22	MP2A	7	-13.766	3.5
23		Mx	.021	3.5
24	MP2A MP2B	X	-28.82	.5
25		Z	-16.639	.5
26	MP2B	Mx	028	.5
27	MP2B MP2B	X	-28.82	3.5
28		Z	-16.639	3.5
29	MP2B	Mx	028	3.5
30	MP2B	X	-25.468	.5
31	MP2C	Ž	-14.704	.5
32	MP2C	Mx	.001	.5
33	MP2C	X	-25.468	3.5
34	MP2C	Ž	-14.704	3.5
35	MP2C	Mx	.001	3.5
36	MP2C	X	-9.482	1
37	MP3A	Z	-9.462 -5.474	
38	MP3A		-J1.7	

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP3A	Mx	.005	1
40	MP3A	X	-9.482	3
41	MP3A	Z	-5.474	3
42	MP3A	Mx	.005	3
43	MP3B	X	-14.261	1
44	MP3B	Z	-8.234	Parameter 1
45	MP3B	Mx	004	1
46	MP3B	X	-14.261	3
47	MP3B	Z	-8.234	3
48	MP3B	Mx	004	3
49 50	MP3C	X	-11.041	1
51	MP3C	Z	-6.375	
52	MP3C MP3C	Mx	005	1
53	MP3C	X	-11.041	3
54	MP3C		-6.375	3
55	MP2A	Mx	005	3
56	MP2A	X	-2.767	3
57	MP2A	Mx	<u>-1.598</u> .001	3
58	MP2B	X	-3.193	3
59	MP2B	Ž	-3.193 -1.843	3
60	MP2B	Mx	000922	3
61	MP2C	X	-2.906	3
62	MP2C	Ž	-1.678	3
63	MP2C	Mx	001	3
64	M101	X	-24.881	.75
65	M101	Z	-14.365	.75
66	M101	Mx	0	.75
67	MP2A	X	-10.828	.25
68	MP2A	Ž	-6.252	.25
69	MP2A	Mx	.005	.25
70	MP2B	X	-12.964	.25
71	MP2B	Z	-7.485	.25
72	MP2B	Mx	004	.25
73	MP2C	X	-11.525	.25
74	MP2C	Z	-6.654	.25
75	MP2C	Mx	005	.25
76	MP3A	X	-9.611	.25
77	MP3A	Z	-5.549	.25
78	MP3A	Mx	.005	.25
79	MP3B	X	-12.558	.25
80	МР3В	Z	-7.251	.25
81	MP3B	Mx	004	.25
32	MP3C	X	-10.573	.25
83	MP3C	Z	-6.104	.25
34	MP3C	Mx	005	.25
85	MP4A	X	-18.118	.25
36	MP4A	Z	-10.46	.25
37	MP4A	Mx	.009	.25
88	MP4A	X	-18.118	3.75
39	MP4A	Z	-10.46	3.75
90	MP4A	Mx	.009	3.75
91	MP4B	X	-23.562	.25
92	MP4B	Z	-13.604	.25
93	MP4B	Mx	007	.25
94	MP4B	X	-23.562	3.75
95	MP4B	Z	-13.604	3.75



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
96	MP4B	Mx	007	3.75
97	MP4C	X	-19.895	.25
98	MP4C	Z	-11.486	.25
99	MP4C	Mx	009	.25
100	MP4C	X	-19.895	3.75
101	MP4C	Z	-11.486	3.75
102	MP4C	Mx	009	3.75
103	MP2B	X	-6.511	4
104	MP2B	Z	-3.759	4
105	MP2B	Mx	.002	4
106	MP2C	X	-4.891	4
107	MP2C	Z	-2.824	4
108	MP2C	Mx	.002	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-16.639	.5
2	MP2A	Z	-28.82	.5
3	MP2A	Mx	011	.5
4	MP2A	X	-16.639	3.5
5	MP2A	Z	-28.82	3.5
6	MP2A	Mx	011	3.5
7	MP2B	X	-18.076	.5
8	MP2B	Z	-31.308	.5
9	MP2B	Mx	.024	.5
10	MP2B	X	-18.076	3.5
	MP2B	Z	-31.308	3.5
11 12	MP2B	Mx	.024	3.5
13	MP2C	X	-12.503	.5
14	MP2C	Z	-21.656	.5
	MP2C	Mx	015	.5
15	MP2C	X	-12.503	3.5
16	MP2C	Z	-21.656	3.5
17	MP2C	Mx	015	3.5
18	MP2A	X	-16.639	.5
19	MP2A MP2A	Ž	-28.82	.5
20		Mx	.028	.5
21	MP2A	X	-16.639	3.5
22	MP2A	Z	-28.82	3.5
23	MP2A	Mx	.028	3.5
24	MP2A	X	-18.076	.5
25	MP2B	Z	-31.308	.5
26	MP2B	Mx	024	.5
27	MP2B	X	-18.076	3.5
28	MP2B	Z	-31.308	3.5
29	MP2B	Mx	024	3.5
30	MP2B	X	-12.503	.5
31	MP2C	Ž	-21.656	.5
32	MP2C		009	.5
33	MP2C	Mx X	-12.503	3.5
34	MP2C	Z	-21.656	3.5
35	MP2C		009	3.5
36	MP2C	Mx	-8.234	1
37	MP3A	X	-0.234 -14.261	
38	MP3A		.004	1
39	MP3A	Mx	-8.234	3
40	MP3A	X	-0.234	

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP3A	Z	-14.261	3
42	MP3A	Mx	.004	3
43	MP3B	X	-9.613	1
44	MP3B	Z	-16.651	1
45	MP3B	Mx	0	1
46	MP3B	X	-9.613	3
47	MP3B	Z	-16.651	3
48	MP3B	Mx	0	3
49	MP3C	X	-4.261	1
50	MP3C	Z	-7.38	1
51	MP3C	Mx	004	1
52	MP3C	X	-4.261	3
53	MP3C	Z	-7.38	3
54	MP3C	Mx	004	3
55	MP2A	X	-1.843	3
56	MP2A	Z	-3.193	3
57	MP2A	Mx	.000922	3
58	MP2B	X	-1.966	3
59	MP2B	Z	-3.405	3
60	MP2B	Mx	0	3
61	MP2C	X	-1.49	3
62	MP2C	Z	-2.581	3
63	MP2C	Mx	001	3
64	M101	X	-11.901	.75
65	M101	Z	-20.612	.75
66	M101	Mx	0	.75
67	MP2A	X	-7.485	.25
68	MP2A	Z	-12.964	.25
69	MP2A	Mx	.004	.25
70	MP2B	X	-8.102	.25
71	MP2B	Z	-14.032	.25
72	MP2B	Mx	0	.25
73	MP2C	X	-5.709	.25
74	MP2C	Z	-9.889	.25
75	MP2C	Mx	006	.25
76	MP3A	X	-7.251	.25
77	MP3A	Z	-12.558	.25
78	MP3A	Mx	.004	.25
79	MP3B	X	-8.102	.25
30	MP3B	Ž	-14.032	.25
31	MP3B	Mx	0	.25
32	MP3C	X	-4.8	.25
33	MP3C	Z	-8.315	.25
34	MP3C	Mx	005	.25
35	MP4A	X	-13.604	.25
36	MP4A	Z	-23.562	.25
37	MP4A	Mx	.007	.25
38	MP4A	X	-13.604	3.75
39	MP4A	Z	-23.562	3.75
90	MP4A	Mx	.007	3.75
91	MP4B	X	-15.175	
92	MP4B	Ž	-26.285	.25
93	MP4B	Mx	-26.285 0	.25
34	MP4B	X		.25
95	MP4B	Z	-15.175	3.75
96	MP4B	Mx	-26.285	3.75
97	MP4C	X	0	3.75
4.5	IVII TO		-9.078	.25



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP4C	Z	-15.724	.25
99	MP4C	Mx	009	.25
100	MP4C	X	-9.078	3.75
101	MP4C	Z	-15.724	3.75
102	MP4C	Mx	009	3.75
103	MP2B	X	-4.453	4
104	MP2B	Z	-7.713	4
105	MP2B	Mx	0	4
106	MP2C	X	-1.761	4
107	MP2C	Z	-3.05	4
108	MP2C	Mx	.002	4

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

	Point Loads (BLC 27 Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A		0	.5
2	MP2A	X	-11.878	.5
3	MP2A	Mx	008	.5
4	MP2A	X	0	3.5
5	MP2A	Z	-11.878	3.5
6	MP2A	Mx	008	3.5
7	MP2B	X	0	.5
8	MP2B	Z	-10.859	.5
9	MP2B	Mx	.009	,5
10	MP2B	X	0	3.5
11	MP2B	Z	-10.859	3.5
12	MP2B	Mx	.009	3.5
13	MP2C	X	0	.5
14	MP2C	Z	-8.278	.5
15	MP2C	Mx	002	.5
16	MP2C	X	0	3.5
17	MP2C	Z	-8.278	3.5
18	MP2C	Mx	002	3.5
19	MP2A	X	0	.5
20	MP2A	Z	-11.878	.5
	MP2A	Mx	.008	.5
21	MP2A	X	0	3.5
	MP2A	Z	-11.878	3.5
23	MP2A	Mx	.008	3.5
24	MP2B	X	0	.5
25	MP2B	Z	-10.859	.5
26	MP2B	Mx	004	.5
27	MP2B	X	0	3.5
28	MP2B	Z	-10.859	3.5
29	MP2B	Mx	004	3.5
30	MP2C	X	0	.5
31	MP2C	Z	-8.278	.5
32	MP2C	Mx	-,006	.5
33	MP2C MP2C	X	0	3.5
34	MP2C MP2C	Z	-8.278	3.5
35		Mx	006	3.5
36	MP2C MP3A	X	0	1
37		Z	-5.111	1
38	MP3A	Mx	0	1
39	MP3A MP3A	X	Ö	3
40		Z	-5.111	3
41	MP3A MP3A	Mx	0	3

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

Mer	nber Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP3B	X	0	1
44	MP3B	X	-4.273	1
	MP3B	Mx	.001	1
46	MP3B	X	0	3
	MP3B	Z	-4.273	3
48	MP3B	Mx	.001	3
49	MP3C	X	0	1
	MP3C	Z	-2.152	
	MP3C	Mx	001	1
	MP3C	X	0	3
	MP3C	Z	-2.152	3
	MP3C	Mx	001	3
	MP2A	X	0	3
	MP2A	Ž	965	3
	MP2A	Mx	0	3
	MP2B	X	0	3
	MP2B	Z	891	3
	MP2B	Mx	.000223	3
	MP2C	X	0	3
	MP2C	Z	702	3
	/IP2C	Mx	00033	3
	V101	X	0	.75
	V101	Z	-6.285	.75
	V101	Mx	0	.75
	MP2A	X	0	.25
	MP2A	Z	-4.042	.25
	MP2A	Mx	0	.25
	MP2B	X	0	.25
	/IP2B	Z	-3.71	
	MP2B	Mx	.000927	.25
	MP2C	X	0	.25
	MP2C	Z	-2.868	.25
	MP2C	Mx	001	
	MP3A	X	001	.25
	/IP3A	Z	-4.042	.25
	/IP3A	Mx	-4.042	.25
	/IP3B	X	0	
	MP3B	Z	-3.586	.25
	MP3B	Mx	.000896	.25
	MP3C	X	.000896	.25
	MP3C	Z	-2.43	
	1P3C	Mx	-2.43	.25
	MP4A	X	001	.25
	MP4A	Ž	-9.87	.25
	MP4A	Mx	- 9.8 7	.25
	MP4A	X	0	.25
	MP4A	Z	-9.87	3.75
	MP4A	Mx		3.75
	MP4B		0	3.75
	MP4B	X	0	.25
	MP4B		-8.758	.25
	MP4B	Mx	.002	.25
	MP4B	X	0	3.75
	1P4B		-8.758	3.75
		Mx	.002	3.75
	IP4C IP4C	X	0	.25
		Z	-5.942	.25
ı o IV	1P4C	Mx	003	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
400	MP4C	X	0	3.75
100	MP4C	7	-5.942	3.75
101 102 103 104 105	MP4C	Mx	003	3.75
102	MP2B	X	0	4
104	MP2B	Z	-2.067	4
105	MP2B	Mx	000517	4
106	MP2C	X	0	4
106 107	MP2C	Z	963	4
108	MP2C	Mx	.000452	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	5.43	.5
2	MP2A	Z	-9.404	.5
3	MP2A	Mx	009	.5
4	MP2A	X	5.43	3.5
5	MP2A	Z	-9.404	3.5
6	MP2A	Mx	009	3.5
7	MP2B	X	4.41	.5
8	MP2B	Z	-7.639	.5
9	MP2B	Mx	.007	.5
10	MP2B	X	4.41	3.5
	MP2B	Z	-7.639	3.5
11	MP2B	Mx	.007	3.5
12		X	5.097	.5
13	MP2C MP2C	Z	-8.828	.5
14		Mx	.002	.5
15	MP2C	X	5.097	3.5
16	MP2C	Z	-8.828	3.5
17	MP2C	Mx	.002	3.5
18	MP2C	X	5.43	.5
19	MP2A	Ž	-9.404	.5
20	MP2A	Mx	.004	.5
21	MP2A		5.43	3.5
22	MP2A	X	-9.404	3.5
23	MP2A		.004	3.5
24	MP2A	Mx	4.41	.5
25	MP2B	X	-7.639	.5
26	MP2B	Z	.000879	.5
27	MP2B	Mx	4.41	3.5
28	MP2B	X		3.5
29	MP2B	Z	-7.639	3.5
30	MP2B	Mx	.000879	.5
31	MP2C	X	5.097	.5
32	MP2C	Z	-8.828	.5
33	MP2C	Mx	008	3.5
34	MP2C	X	5.097	
35	MP2C	Z	-8.828	3.5
36	MP2C	Mx	008	3.5
37	MP3A	X	2.137	1
38	MP3A	Z	-3.701	1
39	MP3A	Mx	001	11
40	MP3A	X	2.137	3
41	MP3A	Z	-3.701	3
42	MP3A	Mx	001	3
43	MP3B	X	1.299	11
44	MP3B	Z	-2.25	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP3B	Mx	.001	1 2
46	MP3B	X	1.299	3
47	MP3B	Z	-2.25	3
48	MP3B	Mx	.001	3
49	MP3C	X	1.863	1
50	MP3C	Z	-3.227	
51	MP3C	Mx	001	1
52	MP3C	X	1.863	3
53	MP3C	Z	-3.227	3
54	MP3C	Mx	001	3
55	MP2A	X	.445	3
56	MP2A	Z	771	3
57	MP2A	Mx	000222	3
58	MP2B	X	.371	3
59	MP2B	Z	643	3
60	MP2B	Mx	.000321	3
61	MP2C	X	.421	3
62	MP2C	Z	729	3
63	MP2C	Mx	000271	3
64	M101	X	3.39	.75
65	M101	Z	-5.872	.75
66	M101	Mx	0	.75
67	MP2A	X	1.855	.25
68	MP2A	Z	-3,213	.25
69	MP2A	Mx	000927	.25
70	MP2B	X	1.522	.25
71	MP2B	Z	-2.637	.25
72	MP2B	Mx	.001	.25
73	MP2C	X	1.746	.25
74	MP2C	Z	-3.025	.25
75	MP2C	Mx	001	.25
76	MP3A	X	1.793	.25
77	MP3A	Z	-3.105	.25
78	MP3A	Mx	000896	.25
79	MP3B	X	1.336	.25
80	MP3B	Z	-2.315	.25
81	MP3B	Mx	.001	.25
82	MP3C	X	1.644	.25
83	MP3C	Z	-2.847	.25
84	MP3C	Mx	001	.25
35	MP4A	X	4.379	.25
36	MP4A	Z	-7.585	.25
37	MP4A	Mx	002	.25
38	MP4A	X	4.379	3.75
39	MP4A	Z	-7.585	3.75
90	MP4A	Mx	002	3.75
91	MP4B	X	3.267	.25
92	MP4B	Z	-5.658	.25
93	MP4B	Mx	.003	.25
)4	MP4B	X	3.267	3.75
95	MP4B	Z	-5.658	3.75
96	MP4B	Mx	.003	3.75
7	MP4C	X	4.016	.25
8	MP4C	Z	-6.956	.25
99	MP4C	Mx	003	.25
00	MP4C	X	4.016	3.75
01	MP4C	Z	-6.956	3.75



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
102	MP4C	Mx	003	3.75
102	MP2B	X	.598	4
103	MP2B	Z	-1.035	4
104	MP2B	Mx	000518	4
100	MP2C	X	.891	4
100	MP2C	7	-1.544	4
102 103 104 105 106 107	MP2C	Mx	.000573	4

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

	mber Label	: Antenna Wm (60 L	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	7.639	.5
2	MP2A	Z	-4.41	.5
3	MP2A	Mx	007	.5
4	MP2A	X	7.639	3.5
5	MP2A	Z	-4.41	3,5
6	MP2A	Mx	007	3.5
7	MP2B	X	6.756	.5
8	MP2B	Z	-3.901	.5
9	MP2B	Mx	.004	.5
10	MP2B	X	6.756	3.5
11	MP2B	Z	-3.901	3.5
12	MP2B	Mx	.004	3.5
	MP2C	X	10.18	.5
13	MP2C	Z	-5.878	.5
14	MP2C	Mx	.007	.5
15	MP2C	X	10.18	3.5
16	MP2C	Z	-5.878	3.5
17	MP2C	Mx	.007	3.5
18	MP2A	X	7.639	.5
19	MPZA	Z	-4.41	.5
20	MP2A	Mx	00088	.5
21	MP2A	X	7.639	3.5
22	MP2A	Z	-4.41	3.5
23	MP2A	Mx	00088	3.5
24	MP2A	X	6.756	.5
25	MP2B	Z	-3.901	.5
26	MP2B	Mx	.004	.5
27	MP2B		6.756	3.5
28	MP2B	X	-3.901	3.5
29	MP2B		.004	3.5
30	MP2B	Mx	10.18	.5
31	MP2C	X	-5.878	.5
32	MP2C		009	.5
33	MP2C	Mx	10.18	3.5
34	MP2C	X	-5.878	3.5
35	MP2C	Z	009	3.5
36	MP2C	Mx	2.25	1
37	MP3A	X	-1.299	1
38	MP3A	Z	001	1
39	MP3A	Mx	2.25	3
40	MP3A	X	-1.299	3
41	MP3A	Z	001	3
42	MP3A	Mx		1
43	MP3B	X	1.524	1
44	MP3B	Z	88	1
45	MP3B	Mx	.00088	3
46	MP3B	X	1.524	- L - J

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

47 1	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP3B	Z	88	3
48	MP3B	Mx	.00088	3
49 50	MP3C	X	4.339	1
	MP3C	Z	-2.505	1 1
51	MP3C	Mx	000435	1
52	MP3C	X	4.339	3
53	MP3C	Z	-2.505	3
54	MP3C	Mx	000435	3
55 56	MP2A	X	.643	3
57	MP2A	Z	371	3
58	MP2A	Mx	000322	3
59	MP2B	X	.578	3
60	MP2B	Z	334	3
61	MP2B MP2C	Mx	.000334	3
62	MP2C MP2C	X	.828	3
63	MP2C	Z	478	3
64	M101	Mx	-8.3e-5	3
65	M101	X	6.73	.75
36	M101		-3.886	.75
67	MP2A	Mx	0	.75
68	MP2A	X	2.637	.25
39	MP2A		-1.522	.25
70	MP2B	Mx	001	.25
71	MP2B	X	2.349	.25
72	MP2B		-1.356	.25
73	MP2C	Mx	.001	.25
74	MP2C	X	3.466	.25
75	MP2C	Mx	-2.001	.25
76	MP3A		000347	.25
77	MP3A	X	2.315	.25
78	MP3A	Mx	-1.336	.25
79	MP3B	X	001	.25
30	MP3B	Z	1.92	.25
31	MP3B	Mx	-1.108	.25
32	MP3C	X	.001	.25
33	MP3C	Z	3.453	.25
34	MP3C	Mx	-1.993	.25
35	MP4A	X	000346	.25
36	MP4A	Ž	<u>5.658</u> -3.267	.25
37	MP4A	Mx		.25
8	MP4A	X	003	.25
9	MP4A	Z	<u>5.658</u> -3.267	3.75
00	MP4A	Mx	003	3.75
1	MP4B	X	003 4.695	3.75
2	MP4B	Ž	<u>-2,711</u>	.25
3	MP4B	Mx	.003	.25
4	MP4B	X	4.695	.25
5	MP4B	Z	<u>4.695</u> -2.711	3.75
6	MP4B	Mx	.003	3.75
7	MP4C	X	8.432	3.75
8	MP4C	Ž	-4.868	.25
9	MP4C	Mx	000845	.25
00	MP4C	X	8.432	.25
01	MP4C	Z	-4.868	3.75
02	MP4C	Mx	-4.868	3.75
03	MP2B	X	000845 .658	3.75



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
104	MP2B	Z	38	4
105	MP2B	Mx	00038	4
106	MP2C	X	2.122	4
107	MP2C	Z	-1.225	4
104 105 106 107	MP2C	Mx	.000213	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	7.802	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	004	.5
4	MP2A	X	7.802	3.5
5	MP2A	Z	0	3.5
6	MP2A	Mx	004	3.5
7	MP2B	X	8.821	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	.000879	.5
10	MP2B	X	8.821	3.5
11	MP2B	Z	0	3.5
12	MP2B	Mx	.000879	3.5
13	MP2C	X	11.401	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	.009	.5
16	MP2C	X	11.401	3.5
17	MP2C	Z	0	3.5
18	MP2C	Mx	.009	3.5
19	MP2A	X	7.802	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	004	.5
22	MP2A	X	7.802	3.5
23	MP2A	Z	0	3.5
24	MP2A	Mx	004	3.5
25	MP2B	X	8.821	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	.007	.5
28	MP2B	X	8.821	3.5
29	MP2B	Z	0	3.5
30	MP2B	Mx	.007	3.5
31	MP2C	X	11.401	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	005	.5
34	MP2C	X	11,401	3.5
35	MP2C	Z	0	3.5
36	MP2C	Mx	005	3.5
37	MP3A	X	1.76	1
38	MP3A	Z	0	1
39	MP3A	Mx	00088	1
40	MP3A	X	1.76	3
	MP3A	Z	0	3
41	MP3A	Mx	00088	3
	MP3B	X	2.598	1
43	MP3B MP3B	Z	0	1
44	MP3B MP3B	Mx	.001	1
45		X	2.598	3
46	MP3B	Z	0	3
47	MP3B MP3B	Mx	.001	3



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

[40]	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP3C	X	4.719	1 8
50	MP3C	Z	0	1
51	MP3C	Mx	.000807	11
52	MP3C	X	4.719	3
53	MP3C	Z	0	3
54	MP3C	Mx	.000807	3
55	MP2A	X	.668	3
56	MP2A	Z	0	3
57	MP2A	Mx	000334	3
58	MP2B	X	.742	3
59	MP2B	Z	0	3
60	MP2B	Mx	.000321	3
61	MP2C	X	.93	3
62	MP2C	Z	0	3
63	MP2C	Mx	.000159	3
64	M101	X	8.267	.75
65	M101	Z	0	.75
66	M101	Mx	0	.75
67	MP2A	X	2.712	.25
68	MP2A	Z	0	.25
69	MP2A	Mx	001	.25
70	MP2B	X	3.045	.25
71	MP2B	Z	0	.25
72	MP2B	Mx	.001	.25
73	MP2C	X	3.886	.25
74	MP2C	Z	0	.25
75	MP2C	Mx	.000665	.25
76	MP3A	X	2.217	.25
77	MP3A	Z	0	.25
78	MP3A	Mx	001	.25
79	MP3B	X	2.673	.25
80	MP3B	Z	0	.25
81	MP3B	Mx	.001	.25
82	MP3C	X	3.828	.25
83	MP3C	Z	0	.25
84	MP3C	Mx	.000655	.25
85	MP4A	X	5.422	.25
86	MP4A	Z	0	.25
87	MP4A	Mx	003	.25
88	MP4A	X	5.422	3.75
89	MP4A	Z	0	3.75
90	MP4A	Mx	003	3.75
91	MP4B	X	6.534	
92	MP4B	Ž	0.554	25
93	MP4B	Mx	.003	.25
94	MP4B	X	6.534	.25
95	MP4B	Z		3.75
96	MP4B	Mx	0	3.75
97	MP4C	X	.003	3.75
98	MP4C	Z	9.35	.25
99	MP4C		0	.25
100	MP4C MP4C	Mx	.002	.25
101	MP4C	X	9.35	3.75
102	MP4C		0	3.75
103	MP2B	Mx	.002	3.75
103		X	1.195	4
105	MP2B MP2B		0	4
100	IVIFZD	Mx	000517	4



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
106	MP2C	X	2,299	4
107	MP2C	Z	0	4
107	MP2C	Mx	000393	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	7.639	.5
2	MP2A	Z	4.41	.5
3	MP2A	Mx .	00088	.5
4	MP2A	X	7.639	3.5
5	MP2A	Z	4.41	3.5
6	MP2A	Mx	00088	3.5
7	MP2B	X	9.404	.5
8	MP2B	Z	5.43	.5
9	MP2B	Mx	004	.5
10	MP2B	X	9.404	3.5
11	MP2B	Z	5.43	3.5
12	MP2B	Mx	004	3.5
13	MP2C	X	8.215	.5
14	MP2C	Z	4.743	.5
15	MP2C	Mx	.800	.5
16	MP2C	X	8.215	3.5
17	MP2C	Z	4.743	3.5
18	MP2C	Mx	.008	3.5
19	MP2A	X	7.639	.5
20	MP2A	Z	4.41	.5
21	MP2A	Mx	007	.5
22	MP2A	X	7.639	3.5
23	MP2A	Z	4.41	3.5
24	MP2A	Mx	007	3.5
25	MP2B	X	9.404	.5
26	MP2B	Z	5.43	.5
27	MP2B	Mx	.009	.5
28	MP2B	X	9.404	3.5
29	MP2B	Z	5.43	3.5
30	MP2B	Mx	.009	3.5
31	MP2C	X	8.215	.5
32	MP2C	Z	4.743	.5
33	MP2C	Mx	000432	.5
34	MP2C	X	8.215	3.5
35	MP2C	Z	4.743	3.5
36	MP2C	Mx	000432	3.5
37	MP3A	X	2.25	11
38	MP3A	Z	1.299	1
39	MP3A	Mx	001	11
40	MP3A	X	2.25	3
41	MP3A	Z	1.299	3
42	MP3A	Mx	001	3
43	MP3B	X	3.701	11
44	MP3B	Z	2.137	1
45	MP3B	Mx	.001	1
46	MP3B	X	3.701	3
47	MP3B	Z	2.137	3
48	MP3B	Mx	.001	3
49	MP3C	X	2.723	11
50	MP3C	Z	1.572	1

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

Member	Label Direction	Magnitude[lb,k-ft]	Location[ft,%]
51 MP:		.001	1
52 MP:		2.723	3
53 MP:		1.572	3
54 MP:		.001	3
55 MP:		.643	3
56 MP:		.371	3
57 MP:		000322	3
58 MP:		.771	3
59 MP:	2B Z	.445	3
60 MP:		.000223	3
61 MP2		.685	3
62 MP2		.395	3
63 MP2		.000303	3
64 M10		6.73	.75
65 M10		3.886	.75
66 M10		0	.75
67 MP2		2.637	.25
68 MP2		1.522	.25
69 MP2		001	.25
70 MP2		3.213	.25
71 MP2		1.855	.25
72 MP2		.000928	.25
73 MP2		2.825	.25
74 MP2		1.631	.25
75 MP2		.001	.25
76 MP3		2.315	.25
77 MP3		1.336	.25
78 MP3		001	.25
79 MP3	B X	3.105	.25
80 MP3	B	1.793	.25
81 MP3		.000896	.25
32 MP3		2.573	.25
33 MP3	C	1.485	.25
34 MP3		.001	.25
35 MP4		5.658	.25
36 MP4	A Z	3.267	.25
37 MP4		003	.25
38 MP4		5.658	3.75
39 MP4	A Z	3.267	3.75
90 MP4	A Mx	003	3.75
91 MP4	B X	7.585	.25
92 MP4	B Z	4.379	.25
93 MP4	B Mx	.002	.25
94 MP4	B X	7.585	3.75
95 MP4	B Z	4.379	3.75
96 MP4	B Mx	.002	3.75
7 MP4	C X	6.287	.25
08 MP4		3.63	.25
9 MP4		.003	.25
00 MP4		6.287	3.75
01 MP4		3.63	3.75
02 MP4		.003	3.75
03 MP2		1.79	3.73
04 MP2		1.034	4
05 MP2		000517	4
06 MP2		1.282	4
UU I IVIP /			



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

Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
108 MP2C	Mx	000567	4 188

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
1	MP2A	X	5.43	.5
2	MP2A	Z	9.404	.5
3	MP2A	Mx	.004	.5
4	MP2A	X	5.43	3.5
5	MP2A	Z	9.404	3.5
6	MP2A	Mx	.004	3.5
7	MP2B	X	5.939	.5
8	MP2B	Z	10.287	.5
9	MP2B	Mx	008	.5
10	MP2B	X	5.939	3.5
11	MP2B	Z	10.287	3.5
12	MP2B	Mx	008	3.5
13	MP2C	X	3.962	.5
14	MP2C	Z	6.863	.5
15	MP2C	Mx	.005	.5
16	MP2C	X	3.962	3.5
17	MP2C	Z	6.863	3.5
18	MP2C	Mx	.005	3.5
19	MP2A	X	5.43	.5
20	MP2A	Z	9.404	.5
21	MP2A	Mx	009	.5
22	MP2A	X	5.43	3.5
23	MP2A	Z	9,404	3.5
24	MP2A	Mx	009	3.5
25	MP2B	X	5.939	.5
26	MP2B	Z	10.287	.5
27	MP2B	Mx	.008	.5
28	MP2B	X	5.939	3.5
29	MP2B	Z	10.287	3.5
30	MP2B	Mx	.008	3.5
31	MP2C	X	3.962	.5
32	MP2C	Z	6.863	.5
33	MP2C	Mx	.003	.5
34	MP2C	X	3.962	3.5
35	MP2C	Z	6.863	3.5
36	MP2C	Mx	.003	3.5
37	MP3A	X	2.137	1
38	MP3A	Z	3.701	1
39	MP3A	Mx	001	11
40	MP3A	X	2.137	3
41	MP3A	Z	3.701	3
42	MP3A	Mx	001	3
43	MP3B	X	2.556	1
44	MP3B	Z	4.426	1
45	MP3B	Mx	0	1
	MP3B	X	2.556	3
46	MP3B	Z	4.426	3
47	MP3B	Mx	0	3
48	MP3C	X	.931	1
49		Z	1.612	
50	MP3C MP3C	Mx	.000917	1
51 52	MP3C MP3C	X	.931	3

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

53 54 55 56 57	MP3C MP3C MP2A	Direction Z Mx	Magnitude[lb,k-ft] 1.612	Location[ft,%]
55 56 57		N.Ase		
56 57	MP2A		.000917	3
57		X	.445	3
	MP2A	Z	.771	3
	MP2A	Mx	000222	3
58	MP2B	X	.482	3
59	MP2B	Z	.836	3
60	MP2B	Mx	0	3
31	MP2C	X	.338	3
32	MP2C	Z	.586	3
33	MP2C	Mx	.000333	3
34	M101	X	3.39	.75
35	M101	Z	5.872	.75
36	M101	Mx	0	.75
7	MP2A	X	1.855	.25
88	MP2A	Z	3.213	.25
9	MP2A	Mx	000927	.25
0	MP2B	X	2.021	.25
1	MP2B	Z	3.5	.25
2	MP2B	Mx	0	.25
3	MP2C	X	1.376	.25
4	MP2C	Z	2.383	.25
'5	MP2C	Mx	.001	.25
6	MP3A	X	1.793	.25
7	MP3A	Ž	3.105	.25
8	MP3A	Mx	000896	.25
9	MP3B	X	2.021	.25
30	MP3B	Z	3.5	.25
31	MP3B	Mx	0	.25
32	MP3C	X	1.136	.25
33	MP3C	Z	1.136	.25
14	MP3C	Mx	.001	.25
35	MP4A	X	4.379	.25
6	MP4A	Z	7.585	
7	MP4A	Mx	002	.25
8	MP4A	X	4.379	.25 3.75
9	MP4A	Z		
0	MP4A	Mx	7.585 002	3.75
1	MP4B	X	4.935	3.75
2	MP4B	Ž	8.548	.25
3	MP4B	Mx		.25
4	MP4B	X	0 4.935	.25
5	MP4B	Z	8.548	3.75
6	MP4B	Mx	0	3.75
7	MP4C	X		3.75
8	MP4C	Z	2.778	.25
9	MP4C		4.811	.25
00	MP4C	Mx X	.003	.25
01	MP4C	Z	2.778	3.75
02	MP4C		4.811	3.75
03	MP2B	Mx	.003	3.75
		X	1.252	4
04	MP2B	Z	2.168	4
	MP2B	Mx	0	4
06	MP2C	X	.406	4
07 08	MP2C MP2C	Z Mx	.703 0004	4

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

Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1 MP2A	X	0	.5
2 MP2A	Z	11,878	
3 MP2A	Mx	.008	.5
4 MP2A	X	0	3.5
5 MP2A	Z	11.878	3.5
6 MP2A	Mx	.008	3.5
7 MP2B	X	0	.5
8 MP2B	Z	10.859	.5
9 MP2B	Mx	009	.5
0 MP2B	X	0	3.5
1 MP2B	Z	10.859	3.5
2 MP2B	Mx	009	3.5
3 MP2C	X	0	.5
4 MP2C	Z	8.278	.5
5 MP2C	Mx	.002	.5
6 MP2C	X	0	3.5
7 MP2C	Z	8.278	3.5
8 MP2C	Mx	.002	3.5
9 MP2A	X	0	.5
0 MP2A	Z	11.878	.5
MP2A MP2A	Mx	008	.5
2 MP2A	X	0	3.5
	Z	11.878	3.5
	Mx	008	3.5
	X	0	.5
	Z	10.859	.5
26 MP2B	Mx	.004	.5
MP2B	X	0	3.5
MP2B	Z	10.859	3.5
9 MP2B	Mx	.004	3.5
MP2B	X	0	.5
MP2C	Z	8.278	.5
MP2C	Mx	.006	.5
MP2C	X	0	3.5
MP2C	Z	8.278	3.5
MP2C		.006	3.5
66 MP2C	Mx	0	1
7 MP3A	X	5.111	1
8 MP3A		0	1
MP3A	Mx	0	3
MP3A	X	5.111	3
1 MP3A	Z		3
2 MP3A	Mx	0	1
3 MP3B	X	4.273	NA. 1
MP3B		001	1
5 MP3B	Mx	001	3
MP3B	X	4.273	3
7 MP3B	Z		3
MP3B	Mx	001	1
9 MP3C	X	0	1
MP3C	Z	2.152	
MP3C	Mx	.001	3
MP3C	X	0	3
MP3C	Z	2.152	3
MP3C	Mx	.001	3
MP2A	X	0	3
MP2A	Z	.965	3
MP2A	Mx	0	3



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

C C	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	0	3
59	MP2B	Z	.891	3
60	MP2B	Mx	000223	3
61	MP2C	X	0	3
62	MP2C	Z	.702	3
63	MP2C	Mx	.00033	3
64	M101	X	0	.75
65	M101	Z	6.285	.75
66	M101	Mx	0	.75
67	MP2A	X	0	.25
68	MP2A	Z	4.042	.25
69	MP2A	Mx	0	.25
70	MP2B	X	0	.25
71	MP2B	Z	3.71	.25
72	MP2B	Mx	000927	.25
73	MP2C	X	0	.25
74	MP2C	Z	2.868	.25
75	MP2C	Mx	.001	.25
76	MP3A	X	0	.25
77	MP3A	Z	4.042	.25
78	MP3A	Mx	0	.25
79	MP3B	X	0	.25
80	MP3B	Z	3.586	.25
81	MP3B	Mx	000896	.25
82	MP3C	X	0	.25
83	MP3C	Z	2.43	.25
84	MP3C	Mx	.001	.25
85	MP4A	X	0	.25
86	MP4A	Z	9.87	.25
87	MP4A	Mx	0	.25
88	MP4A	X	0	3.75
89	MP4A	Z	9.87	3.75
90	MP4A	Mx	0	3.75
91	MP4B	X	0	.25
92	MP4B	Z	8.758	.25
93	MP4B	Mx	002	.25
94	MP4B	X	0	3.75
95	MP4B	Z	8.758	3.75
96	MP4B	Mx	002	
97	MP4C	X	002	3.75
98	MP4C	Z		.25
99	MP4C	Mx	5.942	.25
100	MP4C		.003	.25
101	MP4C	X	0	3.75
102	MP4C		5.942	3.75
103	MP2B	Mx	.003	3.75
103		X	0	4
105	MP2B	Z	2.067	4
	MP2B	Mx	.000517	4
106	MP2C	X	0	4
107	MP2C	Z	.963	4
108	MP2C	Mx	000452	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-5.43	.5
2	MP2A	Z	9,404	.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP2A	Mx	.009	.5 3.5
4	MP2A	X	-5.43	
5	MP2A	Z	9.404	3.5
6	MP2A	Mx	.009	3.5
7	MP2B	X	-4.41	.5
В	MP2B		7.639	.5
9	MP2B	Mx	007	.5 3.5
0	MP2B	X	-4.41	
1	MP2B	Z	7.639	3.5
2	MP2B	Mx	007	3.5
3	MP2C	X	-5.097	.5
4	MP2C	Z	8.828	
5	MP2C	Mx	002	.5
6	MP2C	X	-5.097	3.5
7	MP2C	Z	8.828	3.5
8	MP2C	Mx	002	3.5
9	MP2A	X	-5.43	.5
0	MP2A	Z	9.404	.5
1	MP2A	Mx	004	.5
2	MP2A	X	-5.43	3.5
23	MP2A	Z	9.404	3.5
24	MP2A	Mx	004	3,5
25	MP2B	X	-4.41	.5
6	MP2B	Z	7.639	.5
7	MP2B	Mx	000879	.5
28	MP2B	X	-4.41	3.5
9	MP2B	Z	7.639	3.5
30	MP2B	Mx	000879	3.5
31	MP2C	X	-5.097	.5
32	MP2C	Z	8.828	.5
33	MP2C	Mx	.008	.5
34	MP2C	X	-5.097	3.5
35	MP2C	Z	8.828	3.5
36	MP2C	Mx	.008	3.5
37	MP3A	X	-2.137	1
38	MP3A	Z	3.701	
39	MP3A	Mx	.001	11
10	MP3A	X	-2.137	3
11	MP3A	Z	3.701	3
2	MP3A	Mx	.001	3
13	MP3B	X	-1.299	1
14	MP3B	Z	2.25	
15	MP3B	Mx	001	11
16	MP3B	X	-1.299	3
7	MP3B	Z	2.25	3
8	MP3B	Mx	001	3
19	MP3C	X	-1.863	1
50	MP3C	Z	3.227	1 11
51	MP3C	Mx	.001	11
52	MP3C	X	-1.863	3
53	MP3C	Z	3.227	3
54	MP3C	Mx	.001	3
55	MP2A	X	445	3
56	MP2A	Z	.771	3
57	MP2A	Mx	.000222	3
58	MP2B	X	371	3
59	MP2B	7	.643	3



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP2B	Mx	000321	3
61	MP2C	X	421	3
62	MP2C	Z	.729	3
63	MP2C	Mx	.000271	3
64	M101	X	-3.39	.75
65	M101	Z	5.872	.75
66	M101	Mx	0	.75
67	MP2A	X	-1.855	.25
68	MP2A	Z	3.213	.25
69	MP2A	Mx	.000927	.25
70	MP2B	X	-1.522	.25
71	MP2B	Z	2.637	.25
72	MP2B	Mx	001	.25
73	MP2C	X	-1.746	.25
74	MP2C	Z	3.025	.25
75	MP2C	Mx	.001	.25
76	MP3A	X	-1.793	.25
77	MP3A	Z	3.105	.25
78	МРЗА	Mx	.000896	.25
79	MP3B	X	-1.336	.25
80	MP3B	Z	2.315	.25
81	MP3B	Mx	001	.25
82	MP3C	X	-1.644	.25
83	MP3C	Z	2.847	.25
84	MP3C	Mx	.001	.25
85	MP4A	X	-4.379	.25
86	MP4A	Z	7.585	.25
87	MP4A	Mx	.002	.25
88	MP4A	X	-4.379	3.75
89	MP4A	Z	7.585	3.75
90	MP4A	Mx	.002	3.75
91	MP4B	X	-3.267	.25
92	MP4B	Z	5.658	.25
93	MP4B	Mx	003	.25
94	MP4B	X	-3.267	3.75
95	MP4B	Z	5.658	3.75
96	MP4B	Mx	003	3.75
97	MP4C	X	-4.016	.25
98	MP4C	Z	6.956	.25
99	MP4C	Mx	.003	.25
100	MP4C	X	-4.016	3.75
101	MP4C	Z	6.956	3.75
102	MP4C	Mx	.003	3.75
103	MP2B	X	598	4
104	MP2B	Z	1.035	4
105	MP2B	Mx	.000518	4
106	MP2C	X	891	4
107	MP2C	Z	1.544	4
108	MP2C	Mx	000573	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X -	-7.639	.5
2	MP2A	Z	4.41	5
3	MP2A	Mx	.007	5
4	MP2A	X	-7.639	3.5

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

	er Label	Direction	(Continued) Magnitude[lb.k-ft]	Location[ft,%]
5 M	P2A	Z	4.41	3.5
6 M	P2A	Mx	.007	3.5
7 M	P2B	X	-6.756	.5
	P2B	Z	3.901	.5
9 M	P2B	Mx	004	.5
10 M	P2B	X	-6.756	3.5
	P2B	Z	3.901	3.5
12 M	P2B	Mx	004	3.5
	P2C	X	-10.18	.5
	P2C		5.878	.5
15 M	P2C	Mx	007	.5
16 M	P2C	X	-10.18	3.5
17 M	P2C	Z	5.878	3.5
	P2C	Mx	007	3.5
19 M	P2A	X	-7.639	.5
	P2A	Z	4.41	.5
	P2A	Mx	.00088	.5
22 M	P2A	X	-7.639	3.5
23 M	P2A	Z	4.41	3.5
24 M	P2A	Mx	.00088	3.5
25 M	P2B	X	-6.756	.5
26 M	P2B	Z	3.901	.5
27 M	P2B	Mx	004	.5
	P2B	X	-6.756	3.5
29 M	P2B	Z	3.901	3.5
	P2B	Mx	004	3.5
31 M	P2C	X	-10.18	.5
32 M	P2C	Z	5.878	.5
33 M	P2C	Mx	.009	.5
34 M	P2C	X	-10.18	3.5
	P2C	Z	5.878	3.5
36 M	P2C	Mx	.009	3.5
	P3A	X	-2.25	1
	P3A	Z	1.299	
39 M	P3A	Mx	.001	1
40 M	P3A	X	-2.25	3
	P3A	Z	1.299	3
	P3A	Mx	.001	3
	P3B	X	-1.524	1
	P3B	Z	.88	
	P3B	Mx	00088	11
46 N	P3B	X	-1.524	3
	P3B	Z	.88	3
	P3B	Mx	00088	3
10	P3C	X	-4.339	11
	P3C	Z	2.505	
	P3C	Mx	.000435	11
	P3C	X	-4.339	3
	P3C	Z	2.505	3
	P3C	Mx	.000435	3
	IP2A	X	643	3
	P2A	Z	.371	3
	IP2A	Mx	.000322	3
		X	578	3
	IP2B	Z	.334	3
	IP2B	Mx	000334	3
		X	828	3
61 M	P2C		. OUDICALEDO0344753 VZW M	



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

MP2C		Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
Max	62	MP2C		.478	
Military Military		MP2C		8.3e-5	
Military Military			X	-6.73	
Miles				3.886	
Section					
MP2A	67	MP2A	X	-2.637	
MP2A	68	MP2A		1.522	25
MP2B	69	MP2A			
MP2B	70	MP2B	X	-2.349	.25
MP2B	71			1.356	
MP2C	72	MP2B		001	
MP2C	73	MP2C	X		
MP2C	74		Z	2.001	25
MP3A X -2.315 .25 77 MP3A Z 1.336 .25 8 MP3A Mx 001 .25 9 MP3B X -1.92 .25 90 MP3B X -1.92 .25 90 MP3B X -1.001 .25 91 MP3B X -0.01 .25 91 MP3B Mx -0.01 .25 92 MP3C X -3.453 .25 92 MP3C X -3.453 .25 93 MP3C X -3.453 .25 94 MP3C Mx .00346 .25 95 MP4A X -5.658 .25 95 MP4A X -5.658 .25 96 MP4A X -5.658 .3.75 99 MP4A X -5.658 .3.75 90 MP4A X <td>75</td> <td>MP2C</td> <td>Mx</td> <td></td> <td></td>	75	MP2C	Mx		
77 MP3A Z 1.336 .25 99 MP3B X -001 .25 90 MP3B X -1.92 .25 91 MP3B MX -0.01 .25 91 MP3C X -3.453 .25 93 MP3C X -3.453 .25 94 MP3C MX .000346 .25 95 MP4A X -5.658 .25 96 MP4A X -5.658 .25 97 MP4A X -5.658 .3.75 99 MP4A X -5.658 .3.75 90 MP4A X -5.658 .3.75 91 MP4A X -6.658 .3.75 92	76	MP3A	X		
MP3A Mx .001 .25 99 MP3B X -1.92 .25 80 MP3B Z 1.108 .25 11 MP3B Mx 001 .25 12 MP3C X -3.453 .25 12 MP3C X -3.453 .25 14 MP3C Mx .000346 .25 15 MP4A X -5.658 .25 16 MP4A X -5.658 .25 17 MP4A X -5.658 .25 18 MP4A X -5.658 3.75 19 MP4A X -5.658 3.75 10 MP4A X -5.658 3.75 11 MP4B X -5.658 3.75 12 MP4B X -4.695 .25 2 MP4B X -4.695 .25 3 MP4B	77	MP3A		1.336	
MP3B	78		Mx		
MP3B	79	MP3B			25
MP3B	80		Z		25
MP3C X	81	MP3B	Mx	- 001	
MP3C	82				
AH MP3C Mx .000346 .25 55 MP4A X -5.658 .25 66 MP4A Z 3.267 .25 77 MP4A Mx .003 .25 88 MP4A X -5.658 3.75 99 MP4A X -5.658 3.75 90 MP4A X -5.658 3.75 1 MP4B X -4.695 .25 2 MP4B X -4.695 .25 3 MP4B X -4.695 3.75 4 MP4B X -4.695 3.75 5 MP4B X -4.695 3.75 6 MP4B X -4.695 3.75 7	83	MP3C	Z	1 993	25
MP4A	84	MP3C	Mx		
MP4A Z 3.267 25 MP4A Mx .003 .25 MP4A X -5.658 3.75 9 MP4A Mx .003 3.75 1 MP4B X -4.695 .25 1 MP4B X -4.695 .25 3 MP4B Mx 003 .25 4 MP4B X -4.695 3.75 5 MP4B X -4.695 3.75 6 MP4B X -2.711 3.75 6 MP4B X -3.4895 3.75 6 MP4B Mx -003 3.75 7 MP4B Mx -003 3.75 8 MP4C X -8.432 .25 <td>85</td> <td>MP4A</td> <td></td> <td></td> <td></td>	85	MP4A			
MP4A Mx .003 .25 8 MP4A X -5.658 3.75 99 MP4A Z 3.267 3.75 00 MP4A Mx .003 3.75 01 MP4B X -4.695 .25 02 MP4B X -4.695 .25 03 MP4B Mx 003 .25 04 MP4B X -4.695 3.75 05 MP4B X -4.695 3.75 06 MP4B X -4.695 3.75 07 MP4B X -4.695 3.75 08 MP4B X -4.695 3.75 09 MP4B X -0.03 3.75 09 MP4C X -8.432 .25 09 MP4C X -8.432 .25 00 MP4C X -8.432 3.75 01 MP4C	86		Z		25
8 MP4A X -5.658 3.75 9 MP4A Z 3.267 3.75 0 MP4A Mx .003 3.75 1 MP4B X -4.695 .25 2 MP4B X -003 .25 3 MP4B Mx 003 .25 4 MP4B X -4.695 3.75 5 MP4B X -4.695 3.75 6 MP4B X -4.695 3.75 6 MP4B X -4.695 3.75 7 MP4B Mx -003 3.75 8 MP4B Mx -003 3.75 9 MP4C X -8.432 .25 9 MP4C Mx .000845 .25 9 MP4C X -8.432 3.75 10 MP4C X -8.432 3.75 10 MP4C	87				
19 MP4A Z 3.267 3.75 10 MP4A Mx .003 3.75 11 MP4B X -4.695 .25 2 MP4B Z 2.711 .25 3 MP4B Mx 003 .25 4 MP4B X -4.695 3.75 5 MP4B X -4.695 3.75 6 MP4B X -2.711 3.75 7 MP4B Mx 003 3.75 8 MP4B Mx 003 3.75 7 MP4C X -8.432 .25 8 MP4C X -8.432 .25 9 MP4C Mx .000845 .25 90 MP4C X -8.432 3.75 90 MP4C X -8.432 3.75 90 MP4C X -8.432 3.75 90 MP4C	88	MP4A	X		3.75
MP4A Mx .003 3.75 MP4B X -4.695 .25 MP4B Z 2.711 .25 MP4B Mx 003 .25 MP4B X -4.695 3.75 MP4B Z 2.711 3.75 MP4B Mx 003 3.75 MP4B Mx 003 3.75 MP4C X -8.432 .25 MP4C X -8.488 .25 MP4C Mx .000845 .25 MP4C X -8.432 3.75 MP4C X -8.432 3.75 MP4C X -8.432 3.75 MP4C X -8.432 3.75 MP4C Mx .000845 3.75 MP4C Mx .000845 3.75 MP2B X 658 4 MP2B X 658 4 MP2B <t< td=""><td>89</td><td>MP4A</td><td>Z</td><td></td><td></td></t<>	89	MP4A	Z		
MP4B X -4.695 .25 2 MP4B Z 2.711 .25 3 MP4B Mx 003 .25 4 MP4B X -4.695 3.75 5 MP4B X -4.695 3.75 6 MP4B Mx 003 3.75 7 MP4B Mx 003 3.75 7 MP4C X -8.432 .25 8 MP4C Z 4.868 .25 9 MP4C Mx .000845 .25 01 MP4C X -8.432 3.75 02 MP4C X -8.432 3.75 03 MP4C X -6.88 3.75 03 MP4C Mx .000845 3.75 03 MP2B X -658 4 04 MP2B X -658 4 05 MP2B X -3.8 4 05 MP2B X -2.122 4 </td <td>90</td> <td></td> <td></td> <td></td> <td></td>	90				
2 MP4B Z 2.711 .25 3 MP4B Mx 003 .25 4 MP4B X -4.695 3.75 5 MP4B Z 2.711 3.75 6 MP4B Mx 003 3.75 7 MP4C X -8.432 .25 8 MP4C Z 4.868 .25 9 MP4C Mx .000845 .25 00 MP4C X -8.432 3.75 01 MP4C Z 4.868 3.75 02 MP4C Mx .000845 3.75 03 MP2B X 658 4 04 MP2B Z .38 4 05 MP2B Mx .00038 4 06 MP2C X -2.122 4 07 MP2C Z 1.225 4	91	MP4B			
3 MP4B Mx 003 .25 4 MP4B X -4.695 3.75 5 MP4B Z 2.711 3.75 6 MP4B Mx 003 3.75 7 MP4C X -8.432 .25 8 MP4C Z 4.868 .25 9 MP4C Mx .000845 .25 00 MP4C X -8.432 3.75 01 MP4C X -8.432 3.75 02 MP4C X -8.432 3.75 03 MP4C X -8.432 3.75 04 MP4C X -8.432 3.75 05 MP4C Mx .000845 3.75 03 MP2B X 658 4 04 MP2B X 658 4 05 MP2B Mx .00038 4 06 MP2C </td <td>92</td> <td>MP4B</td> <td>Z</td> <td></td> <td></td>	92	MP4B	Z		
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6 MP4B Mx 003 3.75 7 MP4C X -8.432 .25 8 MP4C Z 4.868 .25 9 MP4C Mx .000845 .25 00 MP4C X -8.432 3.75 01 MP4C Z 4.868 3.75 02 MP4C Mx .000845 3.75 03 MP2B X 658 4 04 MP2B Z .38 4 05 MP2B Mx .00038 4 06 MP2C X -2.122 4 07 MP2C Z 1.225 4	95	MP4B	Z	2 711	
7 MP4C X -8.432 .25 8 MP4C Z 4.868 .25 9 MP4C Mx .000845 .25 00 MP4C X -8.432 3.75 01 MP4C Z 4.868 3.75 02 MP4C Mx .000845 3.75 03 MP2B X 658 4 04 MP2B Z .38 4 05 MP2B Mx .00038 4 06 MP2C X -2.122 4 07 MP2C Z 1.225 4	96	MP4B		- 003	
8 MP4C Z 4.868 .25 9 MP4C Mx .000845 .25 00 MP4C X -8.432 3.75 01 MP4C Z 4.868 3.75 02 MP4C Mx .000845 3.75 03 MP2B X 658 4 04 MP2B Z .38 4 05 MP2B Mx .00038 4 06 MP2C X -2.122 4 07 MP2C Z 1.225 4	97			-8 432	25
9 MP4C Mx .000845 .25 00 MP4C X -8.432 3.75 01 MP4C Z 4.868 3.75 02 MP4C Mx .000845 3.75 03 MP2B X 658 4 04 MP2B Z .38 4 05 MP2B Mx .00038 4 06 MP2C X -2.122 4 07 MP2C Z 1.225 4	98		Z	4 868	
00 MP4C X -8.432 3.75 01 MP4C Z 4.868 3.75 02 MP4C Mx .000845 3.75 03 MP2B X 658 4 04 MP2B Z .38 4 05 MP2B Mx .00038 4 06 MP2C X -2.122 4 07 MP2C Z 1.225 4	99	MP4C			
01 MP4C Z 4.868 3.75 02 MP4C Mx .000845 3.75 03 MP2B X 658 4 04 MP2B Z .38 4 05 MP2B Mx .00038 4 06 MP2C X -2.122 4 07 MP2C Z 1.225 4	100	MP4C		-8 432	3.75
02 MP4C Mx .000845 3.75 03 MP2B X 658 4 04 MP2B Z .38 4 05 MP2B Mx .00038 4 06 MP2C X -2.122 4 07 MP2C Z 1.225 4	101		Z		3.75
03 MP2B X 658 4 04 MP2B Z .38 4 05 MP2B Mx .00038 4 06 MP2C X -2.122 4 07 MP2C Z 1.225 4	102				
04 MP2B Z .38 4 05 MP2B Mx .00038 4 06 MP2C X -2.122 4 07 MP2C Z 1.225 4	103	MP2B			
05 MP2B Mx .00038 4 06 MP2C X -2.122 4 07 MP2C Z 1.225 4	104	MP2B	Z	38	
06 MP2C X -2.122 4 07 MP2C Z 1.225 4	105	MP2B		00038	
77 MP2C Z 1.225 4	106	MP2C			
1.220	107		Z		
00 WFZC WY 000213 A	108	MP2C	Mx	000213	4

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

Member Label	Direction	Magnitude[]b.k-ft1	Location[ft,%]
MP2A	X		5
MP2A	Z	0	5
MP2A	Mx	004	5
MP2A	X		3.5
MP2A	Z	0	2.5
MP2A	Mx	004	3.5
	MP2A MP2A MP2A MP2A MP2A	MP2A X MP2A Z MP2A Mx MP2A X MP2A X MP2A Z	MP2A X -7.802 MP2A Z 0 MP2A Mx .004 MP2A X -7.802 MP2A Z 0



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

Member Labo	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7 MP2B	X	-8.821	.5
8 MP2B	Z	0	.5
MP2B	Mx	000879	.5
0 MP2B	X	-8.821	3.5
1 MP2B	Z	0	3.5
2 MP2B	Mx	000879	3.5
3 MP2C	X	-11.401	.5
4 MP2C	Z	0	.5
5 MP2C	Mx	009	.5
6 MP2C	X	-11.401	3.5
7 MP2C	Z	0	3.5
8 MP2C	Mx	009	3.5
9 MP2A	X	-7.802	.5
0 MP2A	Z	0	.5
1 MP2A	Mx	.004	.5
2 MP2A	X	-7.802	3.5
3 MP2A	Z	0	3.5
4 MP2A	Mx	.004	3.5
5 MP2B	X	-8.821	.5
6 MP2B	Z	0	.5
7 MP2B	Mx	007	.5
8 MP2B	X	-8.821	3.5
9 MP2B	Z	0	3.5
0 MP2B	Mx	007	3.5
1 MP2C	X	-11.401	.5
2 MP2C	Z	0	.5
3 MP2C	Mx	.005	.5
MP2C	X	-11.401	3.5
MP2C	Z	0	3.5
6 MP2C	Mx	.005	3.5
7 MP3A	X	-1.76	1
8 MP3A	Z	0	
9 MP3A	Mx	.00088	1
0 MP3A	X	-1.76	3
1 MP3A	Z	0	3
2 MP3A	Mx	.00088	3
3 MP3B	X	-2.598	1
4 MP3B	Z	0	1
5 MP3B	Mx	001	111
6 MP3B	X	-2.598	3
7 MP3B	Z	0	3
8 MP3B	Mx	001	3
9 MP3C	X	-4.719	11
MP3C	Z	0	1 1
1 MP3C	Mx	000807	1
52 MP3C	X	-4.719	3
33 MP3C	Z	0	3
63 MP3C	Mx	000807	3
55 MP2A	X	668	3
6 MP2A	Ž	0	3
7 MP2A	Mx	.000334	3
58 MP2B	X	742	3
59 MP2B	Z	0	3
60 MP2B	Mx	000321	3
	X	93	3
	Z	0	3
	Mx	000159	3
3 MP2C	IVIA		T LO H.r3dl Page 8

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	M101	X	-8.267	.75
65	M101	Z	0	.75
66	M101	Mx	0	.75
67	MP2A	X	-2.712	.25
68	MP2A	Z	0	.25
69	MP2A	Mx	.001	.25
70	MP2B	X	-3.045	.25
71	MP2B	Z	0	.25
72	MP2B	Mx	001	.25
73	MP2C	X	-3.886	.25
74	MP2C	Z	0	.25
75	MP2C	Mx	000665	.25
76	MP3A	X	-2.217	.25
77	MP3A	Z	0	.25
78	MP3A	Mx	.001	.25
79	MP3B	X	-2.673	.25
80	MP3B	Z	0	.25
81	MP3B	Mx	001	.25
82	MP3C	X	-3.828	.25
83	MP3C	Z	0	.25
84	MP3C	Mx	000655	.25
85	MP4A	X	-5.422	
86	MP4A	Z	-5.422	.25
87	MP4A	Mx	.003	.25
88	MP4A	X	-5.422	.25
89	MP4A	Z		3.75
90	MP4A	Mx	.003	3.75
91	MP4B	X		3.75
92	MP4B	Ž	-6.534	.25
93	MP4B		0	.25
94	MP4B	Mx X	003	.25
95	MP4B		-6.534	3.75
96	MP4B	Z Mx	0	3.75
97	MP4C		003	3.75
98	MP4C	X	-9.35	.25
99	MP4C		0	.25
00	MP4C	Mx	002	.25
01	MP4C	X	-9.35	3.75
02	MP4C		0	3.75
03	MP2B	Mx	002	3.75
04		X	-1.195	4
05	MP2B	Z	0	4
06	MP2B	Mx	.000517	4
	MP2C	X	-2.299	4
07	MP2C	Z	0	4
108	MP2C	Mx	.000393	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-7.639	.5
2	MP2A	Z	-4.41	.5
3	MP2A	Mx	.00088	5
4	MP2A	X	-7.639	3.5
5	MP2A	Z	-4.41	3.5
6	MP2A	Mx	.00088	3.5
7	MP2B	X	-9.404	.5
8	MP2B	Z	-5.43	.5



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

	ember Label	: Antenna Wm (300	Magnitude[lb,k-ft]	Location[ft,%]
9	MP2B	Mx	.004	.5
10	MP2B	X	-9.404	3.5
1	MP2B	Z	-5.43	3.5
2	MP2B	Mx	.004	3.5
3	MP2C	X	-8.215	.5
4	MP2C	Z	-4.743	.5
5	MP2C	Mx	008	.5
6	MP2C	X	-8.215	3.5
7	MP2C	Z	-4.743	3.5
8	MP2C	Mx	008	3.5
9	MP2A	X	-7.639	.5
20	MP2A	Z	-4.41	.5
21	MP2A	Mx	.007	.5
22	MP2A	X	-7.639	3.5
23	MP2A	Z	-4.41	3.5
24	MP2A	Mx	.007	3.5
25	MP2B	X	-9.404	.5
26	MP2B	ana z	-5.43	.5
27	MP2B	Mx	009	3.5
28	MP2B	X	-9.404	
29	MP2B	Z	-5.43	3.5
30	MP2B	Mx	009	3.5
31	MP2C	X	-8.215	.5
32	MP2C	Z	-4.743	.5
33	MP2C	Mx	.000432	3.5
34	MP2C	X	-8.215	
35	MP2C	Z	-4.743	3.5
36	MP2C	Mx	.000432	3.5
37	MP3A	X	-2.25	
38	MP3A	Z	-1.299	
39	MP3A	Mx	.001	1 3
40	MP3A	X	-2.25	3
41	MP3A	Z	-1.299	3
42	MP3A	Mx	.001	1
43	MP3B	X	-3.701	1
44	MP3B	Z	-2.137	1
45	MP3B	Mx	001	
16	MP3B	X	-3.701	3
47	MP3B	Z	-2.137	3
48	MP3B	Mx	001	1
49	MP3C	X	-2.723	
50	MP3C	Z	-1.572	1
51	MP3C	Mx	001	3
52	MP3C	X	-2.723	3
53	MP3C	Z	-1.572	3
54	MP3C	Mx	001	3
55	MP2A	X	643	3
56	MP2A	Z	371	3
57	MP2A	Mx	.000322	3
58	MP2B	X	771	3
59	MP2B	Z	445	3
60	MP2B	Mx	000223	3
61	MP2C	X	685	3
62	MP2C	Z	395	3
63	MP2C	Mx	000303	3
64	M101	X	-6.73	.75
65	M101	Z	-3.886	1 ./3



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	M101	Mx	0	.75
67	MP2A	X	-2.637	.25
68	MP2A	Z	-1.522	.25
69	MP2A	Mx	.001	.25
70	MP2B	X	-3.213	.25
71	⊸ MP2B	Z	-1.855	.25
72	MP2B	Mx	000928	,25
73	MP2C	X	-2.825	.25
74	MP2C	Z	-1.631	.25
75	MP2C	Mx	001	.25
76	MP3A	X	-2.315	.25
77	MP3A	Z	-1.336	.25
78	MP3A	Mx	.001	.25
79	MP3B	X	-3.105	.25
80	MP3B	Z	-1.793	.25
81	MP3B	Mx	000896	.25
82	MP3C	X	-2.573	.25
83	MP3C	Z	-1.485	.25
84	MP3C	Mx	001	.25
85	MP4A	X	-5.658	.25
86	MP4A	Z	-3.267	.25
87	MP4A	Mx	.003	.25
88	MP4A	X	-5.658	3.75
89	MP4A	Z	-3.267	3.75
90	MP4A	Mx	.003	3.75
91	MP4B	X	-7.585	.25
92	MP4B	Z	-4.379	.25
93	MP4B	Mx	002	.25
94	MP4B	X	-7.585	3.75
95	MP4B	Z	-4.379	
96	MP4B	Mx	002	3.75
97	MP4C	X	-6.287	.25
98	MP4C	Z	-3.63	
99	MP4C	Mx	003	.25
100	MP4C	X	-6.287	.25
101	MP4C	Z	-3.63	3.75
102	MP4C	Mx	003	3.75
103	MP2B	X	003 -1.79	3.75
104	MP2B	Z	-1.034	4
105	MP2B	Mx	.000517	4
106	MP2C	X		4
107	MP2C	Ž	-1.282	4
108	MP2C	Mx	74	4
100	IVIFZU	IVIX	.000567	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-5.43	.5
2	MP2A	Z	-9.404	.5
3	MP2A	Mx	004	.5
4	MP2A	X	-5.43	3.5
5	MP2A	Z	-9.404	3.5
6	MP2A	Mx	004	3.5
7	MP2B	X	-5.939	.5
8	MP2B	Z	-10.287	.5
9	MP2B	Mx	.008	.5
10	MP2B	X	-5.939	3.5



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

	Member Label	3 : Antenna Wm (330	Magnitude[lb,k-ft]	Location[ft,%]
11	MP2B	Z	-10.287	3.5
12	MP2B	Mx	.008	3.5
13	MP2C	X	-3.962	.5
14	MP2C		-6.863	.5
15	MP2C	Mx	005	.5
16	MP2C	X	-3.962	3.5
17	MP2C	Z	-6.863	3.5
18	MP2C	Mx	005	3.5
19	MP2A	X	-5.43	.5
20	MP2A	Z	-9.404	.5
21	MP2A	Mx	.009	.5
22	MP2A	X	-5.43	3.5
23	MP2A	Z	-9.404	3.5
24	MP2A	Mx	.009	3.5
25	MP2B	X	-5.939	.5
26	MP2B	Z	-10.287	.5
27	MP2B	Mx	008	.5
28	MP2B	X	-5.939	3.5
29	MP2B	Z	-10.287	3.5
30	MP2B	Mx	008	3.5
31	MP2C	X	-3.962	.5
32	MP2C	Z	-6.863	.5
33	MP2C	Mx	003	.5
	MP2C	X	-3.962	3.5
34	MP2C	Z	-6.863	3.5
35	MP2C	Mx	003	3.5
36	MP3A	X	-2.137	1
37		Ž	-3.701	1
38	MP3A MP3A	Mx	.001	1
39		X	-2.137	3
40	MP3A	Z	-3.701	3
41	MP3A	Mx	.001	3
42	MP3A	X	-2.556	1
43	MP3B	Z	-4.426	1
44	MP3B	Mx	0	1
45	MP3B	X	-2.556	3
46	MP3B	Ž	-4.426	3
47	MP3B	Mx	0	3
48	MP3B		931	1
49	MP3C	X	-1.612	1
50	MP3C		000917	1
51	MP3C	Mx	931	3
52	MP3C	X	-1.612	3
53	MP3C		000917	3
54	MP3C	Mx	000917 445	3
55	MP2A	X	771	3
56	MP2A	Z	.000222	3
57	MP2A	Mx	482	3
58	MP2B	X		3
59	MP2B	Z	836	3
60	MP2B	Mx	0	3
61	MP2C	X	338	3
62	MP2C		586	3
63	MP2C	Mx	000333	3
64	M101	X	-3.39	.75
65	M101	Z	-5.872	.75
66	M101	Mx	0	.75
67	MP2A	X	-1.855	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP2A	Z	-3.213	.25
69	MP2A	Mx	.000927	.25
70	MP2B	X	-2.021	.25
71	MP2B	Z	-3.5	.25
72	MP2B	Mx	0	.25
73	MP2C	X	-1.376	.25
74	MP2C	Z	-2.383	.25
75	MP2C	Mx	001	.25
76	MP3A	X	-1.793	.25
77	MP3A	Z	-3.105	.25
78	MP3A	Mx	.000896	.25
79	MP3B	X	-2.021	.25
80	MP3B	Z	-3.5	.25
81	MP3B	Mx	0	.25
82	MP3C	X	-1.136	.25
83	MP3C	Ž	-1.967	.25
84	MP3C	Mx	001	.25
85	MP4A	X	-4.379	.25
86	MP4A	Ž	-7.585	.25
87	MP4A	Mx	.002	.25
88	MP4A	X	-4.379	3.75
89	MP4A	Ž	-7.585	3.75
90	MP4A	Mx	.002	3.75
91	MP4B	X	-4.935	.25
92	MP4B	Ž	-8.548	.25
93	MP4B	Mx	0	.25
94	MP4B	X	-4.935	3.75
95	MP4B	Z	-8.548	3.75
96	MP4B	Mx	0	3.75
97	MP4C	X	-2.778	.25
98	MP4C	Z	-4.811	.25
99	MP4C	Mx	003	.25
100	MP4C	X	-2.778	3.75
101	MP4C	Z	-4.811	3.75
102	MP4C	Mx	003	3.75
03	MP2B	X	-1.252	3.75
104	MP2B	Ž	-2.168	4
105	MP2B	Mx	0	4
106	MP2C	X	406	4
07	MP2C	Z	703	4
108	MP2C	Mx	.0004	4

Member Point Loads (BLC 77 : Lm1)

Mem	ber Label	Direction	Magnitude[lb,k-ft]	Location[ft %]
	M91B	Y	-500	%49

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft.%]
1	M91B	Y	-500	%75

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft %]
1	M91B	Y	-250	0



Member Point Loads (BLC 80 : Lv2)

Weinber Laber 9/50	Member Label Direction	nitude[lb.k-ft] Location[ft,%]	
4 M01B Y -230 7000	Member Label Direction M91B Y	-250 %50	

	t Loads (BLC 81 Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-1.263	.5
2	MP2A	My	000631	.5
3	MP2A	Mz	.000842	.5
4	MP2A	Y	-1.263	3.5
5	MP2A	My	000631	3.5
6	MP2A	Mz	.000842	3.5
7	MP2B	Y	-1.263	.5
8	MP2B	My	.000126	,5
9	MP2B	Mz	001	.5
10	MP2B	Y	-1.263	3.5
11	MP2B	Mv	.000126	3.5
12	MP2B	Mz	001	3.5
13	MP2C	Y	-1.263	.5
14	MP2C	Mv	.001	.5
15	MP2C	Mz	.000305	.5
16	MP2C	Y	-1.263	3.5
17	MP2C	Mv	.001	3.5
18	MP2C	Mz	.000305	3.5
	MP2A	Y	-1.263	.5
19 20	MP2A	My	000631	.5
	MP2A	Mz	000842	.5
21	MP2A	Y	-1.263	3.5
22	MP2A	My	000631	3.5
23	MP2A	Mz	000842	3.5
24	MP2B	Y	-1.263	.5
25	MP2B	My	.000968	.5
26	MP2B	Mz	.000413	.5
27	MP2B	Y	-1.263	3.5
28	MP2B	My	.000968	3.5
29		Mz	.000413	3.5
30	MP2B MP2C	Y	-1.263	.5
31		My	000575	.5
32	MP2C	Mz	.000881	.5
33	MP2C	Y	-1.263	3.5
34	MP2C	My	000575	3.5
35	MP2C	Mz	.000881	3.5
36	MP2C	Y	-1.737	1
37	MP3A	My	000869	1
38	MP3A	Mz	0	1
39	MP3A	Y	-1.737	3
40	MP3A	My	000869	3
41	MP3A		0	3
42	MP3A	Mz Y	-1.737	1
43	MP3B		.000752	
44	MP3B	My	000434	1
45	MP3B	Mz Y	-1.737	3
46	MP3B		.000752	3
47	MP3B	My	000434	3
48	MP3B	Mz	-1.737	1
49	MP3C	Y	.000297	
50	MP3C	My		1
51	MP3C	Mz	.000816	3
52	MP3C	Y	-1.737	

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	My	.000297	3
54	MP3C	Mz	.000816	3
55	MP2A	Y	415	3
56	MP2A	My	000207	3
57	MP2A	Mz	0	3
58	MP2B	Y	415	3
59	MP2B	My	.00018	3
60	MP2B	Mz	000104	3
61	MP2C	Y	415	3
62	MP2C	My	7.1e-5	3
63	MP2C	Mz	.000195	3
64	M101	Y	-1.277	.75
65	M101	My	0	.75
66	M101	Mz	0	.75
67	MP2A	Y	-3.367	.25
68	MP2A	My	002	
59	MP2A	Mz	0	.25
70	MP2B	Y	-3.367	.25
71	MP2B	My		.25
72	MP2B	Mz	.001 000842	.25
73	MP2C	Y		.25
74	MP2C		-3.367	.25
75	MP2C	My	.000576	.25
76	MP3A	Mz	.002	.25
77	MP3A	Y	-2.805	.25
78		My	001	.25
79	MP3A	Mz	0	.25
	MP3B	Y	-2.805	.25
80	MP3B	My	.001	.25
31	MP3B	Mz	000701	.25
32	MP3C	Υ	-2.805	.25
33	MP3C	My	.00048	.25
34	MP3C	Mz	.001	.25
35	MP4A	Y	339	.25
36	MP4A	My	00017	.25
37	MP4A	Mz	0	.25
38	MP4A	Y	339	3.75
39	MP4A	My	00017	3.75
90	MP4A	Mz	0	3.75
91	MP4B	Y	339	.25
92	MP4B	My	.000147	.25
93	MP4B	Mz	-8.5e-5	.25
94	MP4B	Y	339	3.75
95	MP4B	My	.000147	3.75
96	MP4B	Mz	-8.5e-5	3.75
7	MP4C	Y	339	.25
8	MP4C	My	5.8e-5	.25
9	MP4C	Mz	.000159	.25
00	MP4C	Y	339	3.75
01	MP4C	My	5.8e-5	
02	MP4C	Mz	.000159	3.75
03	MP2B	Y	702	3.75
04	MP2B	My	000304	4
05	MP2B	Mz		4
06	MP2C	Y	.000176	4
07	MP2C		702	4
08	MP2C	My	00012	4
JU	IVIFZU	Mz	00033	4



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

Membe	er Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1 MF	2A	Z	-3.157	.5
2 MF	2A	Mx	002	
3 MF	2A	Z	-3.157	3.5
4 MF	2A	Mx	002	3.5
5 MF	2B	Z	-3.157	.5
	P2B	Mx	.003	.5
7 MF	2B	Z	-3.157	3.5
	2B	Mx	.003	3.5
	2C	Z	-3,157	.5
	2C	Mx	000763	.5
11 MF	2C	Z	-3.157	3.5
	2C	Mx	000763	3.5
	P2A	Z	-3.157	.5
14 MF	2A	Mx	.002	.5
	2A	Z	-3.157	3.5
	2A	Mx	.002	3.5
	2B	Z	-3.157	.5
	P2B	Mx	001	.5
	P2B	Z	-3.157	3.5
	P2B	Mx	001	3.5
21 MF	2C	Z	-3.157	.5
	2C	Mx	002	.5
	2C	Z	-3.157	3.5
	2C	Mx	002	3.5
	P3A	Z	-4.343	1
	23A	Mx	0	
	P3A	Z	-4.343	3
27 MF 28 MF	P3A	Mx	0	3
	P3B	Z	-4.343	1
	P3B	Mx	.001	1
	P3B	Z	-4.343	3
	P3B	Mx	.001	3
	23C	Z	-4.343	1
	23C	Mx	002	1
	23C	Z	-4.343	3
	23C	Mx	002	3
	P2A	Z	-1.037	3
	P2A	Mx	0	3
		Z	-1.037	3
	P2B P2B	Mx	.000259	3
	2C	Z	-1.037	3
	P2C	Mx	000487	3
		Z	-3.191	.75
	101	Mx	0	.75
	101	Z	-8.417	.25
- Living and the second	P2A	Mx	0	.25
	P2A	Z	-8.417	.25
	P2B	Mx	.002	.25
	P2B	Z	-8.417	.25
	P2C	Mx	004	.25
	P2C	Z	-7.011	.25
	P3A		0	.25
	P3A	Mx	-7.011	.25
	P3B	Z	.002	.25
	23B	Mx	-7.011	.25
17.00	P3C	Z	003	.25
	P3C	Mx	848	.25
57 MI	P4A	Z	040	.20



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	Mx	0	.25
59	MP4A	Z	848	3.75
60	MP4A	Mx	0	3.75
61	MP4B	Z	848	.25
62	MP4B	Mx	.000212	.25
63	MP4B	Z	848	3.75
64	MP4B	Mx	.000212	3.75
65	MP4C	Z	848	.25
66	MP4C	Mx	000398	.25
67	MP4C	Z	848	3.75
68	MP4C	Mx	000398	3.75
69	MP2B	Z	-1.755	4
70	MP2B	Mx	000439	4
71	MP2C	Z	-1.755	1 4
72	MP2C	Mx	.000825	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP2A	X	3.157	.5
2	MP2A	Mx	002	.5
3	MP2A	X	3.157	3.5
4	MP2A	Mx	002	3.5
5	MP2B	X	3.157	.5
6	MP2B	Mx	.000315	.5
7	MP2B	X	3.157	3.5
8	MP2B	Mx	.000315	3.5
9	MP2C	X	3.157	.5
10	MP2C	Mx	.003	.5
11	MP2C	X	3.157	3.5
12	MP2C	Mx	.003	3.5
13	MP2A	X	3.157	.5
14	MP2A	Mx	002	.5
15	MP2A	X	3.157	3.5
16	MP2A	Mx	002	3.5
17	MP2B	X	3.157	.5
18	MP2B	Mx	.002	.5
19	MP2B	X	3.157	3.5
20	MP2B	Mx	.002	3.5
21	MP2C	X	3,157	.5
22	MP2C	Mx	001	.5
23	MP2C	X	3.157	3.5
24	MP2C	Mx	001	3.5
25	MP3A	X	4.343	3.5
26	MP3A	Mx	002	
27	MP3A	X	4.343	3
28	MP3A	Mx	002	3
29	MP3B	X	4.343	1
30	MP3B	Mx	.002	
31	MP3B	X	4.343	3
32	MP3B	Mx	.002	3
33	MP3C	X	4.343	1
34	MP3C	Mx	.000743	
35	MP3C	X	4.343	3
36	MP3C	Mx	.000743	3
37	MP2A	X	1.037	3
38	MP2A	Mx	000519	3



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP2B	X	1.037	3
40	MP2B	Mx	.000449	3
41	MP2C	X	1.037	3
42	MP2C	Mx	.000177	3
43	M101	X	3.191	.75
44	M101	Mx	0	.75
45	MP2A	X	8.417	.25
46	MP2A	Mx	004	.25
47	MP2B	X	8.417	.25
48	MP2B	Mx	.004	.25
49	MP2C	X	8.417	.25
50	MP2C	Mx	.001	.25
51	MP3A	X	7.011	.25
52	MP3A	Mx	004	.25
53	MP3B	X	7.011	.25
54	MP3B	Mx	.003	.25
55	MP3C	X	7.011	.25
56	MP3C	Mx	.001	.25
57	MP4A	X	.848	.25
58	MP4A	Mx	000424	.25
59	MP4A	X	.848	3.75
60	MP4A	Mx	000424	3.75
61	MP4B	X	.848	.25
62	MP4B	Mx	.000367	.25
63	MP4B	X	.848	3.75
64	MP4B	Mx	.000367	3.75
65	MP4C	X	.848	.25
66	MP4C	Mx	.000145	.25
67	MP4C	X	.848	3.75
68	MP4C	Mx	.000145	3.75
69	MP2B	X	1.755	4
70	MP2B	Mx	00076	4
71	MP2C	X	1.755	4
72	MP2C	Mx	0003	4

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	M1	Y	-6.548	-6.548	0	%100
2	M4	v	-9.584	-9.584	0	%100
3	M10	V	-7.594	-7.594	0	%100
4	M43	V	-7.594	-7.594	0	%100
5	M46	Y	-10.084	-10.084	0	%100
6	M51B	V	-5.603	-5.603	0	%100
7	M52B	V	-5.603	-5.603	0	%100
8	M76	Ÿ	-10.084	-10.084	0	%100
9	M77	Ÿ	-10.084	-10.084	0	%100
10	M80	V	-10.084	-10.084	0	%100
11	M84	Y	-10.084	-10.084	0	%100
	M85	V	-10.084	-10.084	0	%100
12	M91	V	-10.084	-10.084	0	%100
13	M52A	V	-9.584	-9.584	0	%100
14	M53	V	-7.594	-7.594	0	%100
15	M54	Y	-7.594	-7.594	0	%100
16	M55	T V	-10.084	-10.084	0	%100
18	M58A	Y	-5.603	-5.603	0	%100

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

10 1	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
19	M59A	Y	-5.603	-5.603	0	%100
20	M63	Υ	-10.084	-10.084	0	%100
21	M64	Y	-10.084	-10.084	0	%100
22	M66	Υ	-10.084	-10.084	0	%100
23	M68	Y	-10.084	-10.084	0	%100
24	M69	Υ	-10.084	-10.084	0	%100
25	M71	Υ	-10.084	-10.084	0	%100
26	M76A	Y	-9.584	-9.584	0	%100
27	M77A	Y	-7.594	-7.594	0	%100
28	M78	Υ	-7.594	-7.594	0	%100
29	M79A	Y	-10.084	-10.084	0	%100
30	M82	Y	-5.603	-5.603	0	%100
31	M83A	Y	-5.603	-5.603	0	%100
32	M87	Y	-10.084	-10.084	0	%100
33	M88A	Y	-10.084	-10.084	0	%100
34	M90	Y	-10.084	-10.084	Ö	%100 %100
35	M92A	Y	-10.084	-10.084	0	%100 %100
36	M93	Y	-10.084	-10.084	Ö	%100 %100
37	M95	Ý	-10.084	-10.084	0	%100
38	M82A	Ý	-6.548	-6.548	0	%100 %100
39	M91B	Y	-6.548	-6.548	0	%100 %100
40	MP4C	Ý	-4.965	-4.965	0	%100
41	MP3C	Y	-4.965	-4.965	0	%100 %100
42	MP1C	Ý	-4.965	-4.965	0	%100 %100
43	MP2C	Y	-5.669	-5.669	0	%100 %100
44	MP4B	Y	-4.965	-4.965	0	%100 %100
45	MP3B	Y	-4.965	-4.965	0	%100 %100
46	MP1B	Y	-4.965	-4.965	0	%100 %100
47	MP2B	Ý	-5.669	-5.669	0	%100 %100
48	MP4A	Y	-4.965	-4.965	0	%100 %100
49	MP3A	Y	-4.965	-4.965	0	%100 %100
50	MP1A	Y	-4.965	-4.965	0	
51	MP2A	Y	-5.669	-5.669	0	%100 %100
52	M101	Ý	-4.965	-4.965	0	
53	M106	Y	-5.669	-5.669		%100
54	M113	Y	-5.669		0	%100
55	M120	Y		-5.669	0	%100
56	M123	Y	-5.669 -7.594	-5.669	0	%100
57	M124	Y		-7.594	0	%100
58	M125	Y	-7.594 7.504	-7.594	0	%100
59	M132	Y	-7.594	-7.594	0	%100
60	M133	Y	-6.598	-6.598	0	%100
61	M133		-6.598	-6.598	0	%100
62		Y	-6.598	-6.598	0	%100
	M135		-6.598	-6.598	0	%100
63	M136	Y	-6.598	-6.598	0	%100
64	M137	Y	-6.598	-6.598	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	-3.683	-3.683	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	-13.166	-13.166	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-4.197	-4.197	0	%100
7	M43	X	0	0	0	%100

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

	nber Label	Direction	Start Magnitude[lb/ft	. End Magnitude(lb/ft,F.	. Start Location[ft,%]	End Location[ft,%
8	M43	Z	-4.197	-4.197	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	-6.791	-6.791	0	%100
	M51B	X	0	0	0	%100
	M51B	Z	-3.771	-3.771	0	%100
		X	0	0	0	%100
	M52B	Z	-15.084	-15.084	0	%100
	M52B	X	0	0	0	%100
15	M76	Z	-20.373	-20.373	0	%100
16	M76	X	0	0	0	%100
17	M77		-6.917	-6.917	Ö	%100
18	M77	Z	-0.917	0	Ö	%100
19	M80	X	-7.285	-7.285	l 0	%100
20	M80	Z		-7.285	0	%100
21	M84	X	0	-20.373	0	%100
22	M84	Z	-20.373		0	%100
23	M85	X	0	-27.667	0	%100
24	M85	Z	-27.667		0	%100 %100
25	M91	X	0	0	0	%100 %100
26	M91	Z	-29.141	-29.141		%100 %100
27	M52A	X	0	0	0	%100 %100
28	M52A	Z	-13.166	-13.166	0	
29	M53	X	0	0	0	%100
30	M53	Z	-4.197	-4.197	0	%100
31	M54	X	0	0	0	%100
32	M54	Z	-4.197	-4.197	0	%100
33	M55	X	0	0	0	%100
34	M55	Z	-6.791	-6.791	0	%100
	M58A	X	0	0	0	%100
	M58A	Z	-15.084	-15.084	0	%100
	M59A	X	0	0	0	%100
	M59A	Z	-3.771	-3.771	0	%100
39	M63	X	0	0	0	%100
40	M63	Z	-20.373	-20.373	0	%100
41	M64	X	0	0	0	%100
	M64	Z	-27.667	-27.667	0	%100
42	M66	X	0	0	0	%100
43	M66	Z	-29.141	-29.141	0	%100
	M68	X	0	0	0	%100
45	M68	Z	-20.373	-20.373	0	%100
46		X	0	0	0	%100
47	M69	Z	-6.917	-6.917	0	%100
48	M69	X	0.377	0	0	%100
49	M71	Z	-7.285	-7.285	0	%100
50	M71		0	0	0	%100
	M76A	X	0	0	Ŏ O	%100
	M76A	Z	0	0	Ö	%100
	M77A	X	-16.789	-16.789	Ö	%100
	M77A	Z		0	0	%100
55	M78	X	16.790	-16.789	0	%100
56	M78	Z	-16.789	-16.769	0	%100
	M79A	X	0		0	%100
	M79A	Z	-27.164	-27.164	0	%100 %100
59	M82	X	0	0		%100 %100
60	M82	Z	-3.771	-3.771	0	
	M83A	X	0	0	0	%100 %100
	M83A	Z	-3.771	-3.771	0	%100
63	M87	X	0	0	0	%100
64	M87	Z	0	0	0	%100

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

65	Member Label M88A	Direction		End Magnitude[lb/ft,F		End Location[ft,%]
66	M88A	X	0	0	0	%100
67		Z	-6.917	-6.917	0	%100
68	M90 M90	X	0	0	0	%100
69	M92A	Z	-7.285	-7.285	0	%100
70	M92A	X	0 -	0	0	%100
71		Z	0	0	0	%100
72	M93 M93	Z	0	0	0	%100
73	M95		-6.917	-6.917	0	%100
74	M95	X	0	0	0	%100
75	M82A	Z	-7.285	-7.285	0	%100
76	M82A	X	0	0	0	%100
77	M91B	Z	-3.683	-3.683	0	%100
78	M91B	X	0	0	0	%100
79	MP4C	Z	-14.732	-14.732	0	%100
80	MP4C	Z	0	0	0	%100
81	MP3C		-10.752	-10.752	0	%100
82	MP3C	Z	0	0	0	%100
83	MP1C		-10.752	-10.752	0	%100
84	MP1C	X	0	0	0	%100
85	MP2C	Z	-10.752	-10.752	0	%100
86	MP2C	X	0	0	0	%100
87		Z	-13.016	-13.016	0	%100
88	MP4B	X	0	0	0	%100
89	MP4B	Z	-10.752	-10.752	0	%100
	MP3B	X	0	0	0	%100
90	MP3B	Z	-10.752	-10.752	0	%100
91	MP1B	X	0	0	0	%100
93	MP1B	Z	-10.752	-10.752	0	%100
	MP2B	X	0	0	0	%100
94	MP2B	Z	-13.016	-13.016	0	%100
96	MP4A	X	0	0	0	%100
97	MP4A	Z	-10,752	-10.752	0	%100
98	MP3A MP3A	X	0	0	0	%100
99	MP1A	Z	-10.752	-10.752	0	%100
100	MP1A	X	0	0	0	%100
101	MP2A	Z	-10.752	-10.752	0	%100
102	MP2A	Z	0	0	0	%100
103	M101		-13.016	-13.016	0	%100
104	M101	X	0	0	0	%100
105	M106	Z	-8.793	-8.793	0	%100
106	M106	Z	0	0	0	%100
40-			-13.016	-13.016	0	%100
107	M113 M113	Z	0	0	0	%100
109	M120		-3.254	-3.254	0	%100
110	M120 M120	X	0	0	0	%100
111	M123	Z	-3.254	-3.254	0	%100
112			0	0	0	%100
113	M123	Z	-4.171	-4.171	0	%100
114	M124	X	0	0	0	%100
	M124	Z	-16.684	-16.684	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	-4.171	-4.171	0	%100
117	M132	X	0	0	0	%100
118	M132	Z	-8.002	-8.002	0	%100
119	M133	X	0	0	0	%100
120	M133	Z	-8.002	-8.002	0	%100
121	M134	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
122	M134	7	-14.305	-14.305	0	%100
123	M135	X	0	0	0	%100
123 124 125	M135	7	-14.305	-14.305	0	%100
125	M136	X	0	0	0	%100
126	M136	7	-14.305	-14.305	0	%100
126 127	M137	X	0	0	0	%100
128	M137	7	-14.305	-14.305	0	%100

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

	Member Label	Direction		End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
1	M1	X	5.525	5.525	0	%100
2	M1	Z	-9.569	-9.569	0	%100
3	M4	X	2.194	2.194	0	%100
4	M4	Z	-3.801	-3.801	0	%100
5	M10	X	6.296	6.296	0	%100
6	M10	Z	-10.905	-10.905	0	%100
7	M43	X	6.296	6.296	0	%100
8	M43	Z	-10.905	-10.905	0	%100
9	M46	X	10.187	10.187	0	%100
10	M46	Z	-17.644	-17.644	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	5.656	5.656	0	%100
14	M52B	Z	-9.797	-9.797	0	%100
15	M76	X	3.396	3.396	0	%100
16	M76	Z	-5.881	-5.881	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	3.396	3.396	0	%100
22	M84	Z	-5.881	-5.881	0	%100
23	M85	X	10.375	10.375	0	%100
24	M85	Z	-17.97	-17.97	0	%100
25	M91	X	10.928	10.928	0	%100
26	M91	Z	-18.928	-18.928	0	%100
27	M52A	X	8.777	8.777	0	%100
28	M52A	Z	-15.202	-15.202	0	%100
29	M53	X	0	0	0	%100
30	M53	Z	0	0	0	%100
31	M54	X	0	0	0	%100
32	M54	Z	0	0	0	%100
33	M55	X	0	0	0	%100
34	M55	Z	0	0	0	%100
35	M58A	X	5.656	5.656	0	%100
	M58A	Z	-9.797	-9.797	0	%100
36	M59A	X	5.656	5.656	0	%100
	M59A	Ž	-9.797	-9.797	0	%100
38	M63	X	13.582	13.582	0	%100
39	M63	Z	-23.525	-23.525	0	%100
40	M64	X	10.375	10.375	0	%100
41		Z	-17.97	-17.97	Ö	%100
42	M64	X	10.928	10.928	0	%100
43	M66	Z	-18.928	-18.928	0	%100
44	M66	X	13.582	13.582	Ö	%100
45 46	M68 M68	Z	-23.525	-23.525	Ö	%100

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

47 48 49 50 51	M69 M69 M71	Z	10.375	10.375	0	0/400
49 50 51						%100
50 51	M7.1		-17.97	-17.97	0	%100
51		X	10.928	10.928	0	%100
	M71	Z	-18.928	-18.928	0	%100
	M76A	X	2.194	2.194	0	%100
52	M76A	Z	-3.801	-3.801	0	%100
53	M77A	X	6.296	6.296	0	%100
54	M77A	Z	-10.905	-10.905	0	%100
55	M78	X	6.296	6.296	0	%100
56	M78	Z	-10.905	-10.905	0	%100
57	M79A	X	10.187	10.187	0	%100
58	M79A	Z	-17.644	-17.644	0	%100
59	M82	X	5.656	5.656	0	%100
60	M82	Z	-9.797	-9.797	0	%100
61	M83A	X	0	0	0	%100
62	M83A	Z	0	0	0	%100
63	M87	X	3.396	3.396	Ö	%100
64	M87	Z	-5.881	-5.881	Ŏ	%100 %100
65	M88A	X	10.375	10.375	0	%100 %100
66	M88A	Z	-17.97	-17.97	ő	%100 %100
67	M90	X	10.928	10.928	0	%100 %100
68	M90	Z	-18.928	-18.928	0	%100 %100
69	M92A	X	3.396	3.396	0	%100 %100
70	M92A	Z	-5.881	-5.881	0	
71	M93	X	-5.881	-5.661		%100
72	M93	Z	0		0	%100
73	M95	X	0	0	0	%100
74	M95	Ž	0	0	0	%100
75	M82A	X		0	0	%100
76	M82A	Ž	0	0	0	%100
77	M91B	X	0	0	0	%100
78			5.525	5.525	0	%100
79	M91B MP4C	Z	-9.569	-9.569	0	%100
80		X	5.376	5.376	0	%100
	MP4C	Z	-9.312	-9.312	0	%100
81	MP3C	X	5.376	5.376	0	%100
82	MP3C	Z	-9.312	-9.312	0	%100
83	MP1C	X	5.376	5.376	0	%100
84	MP1C	Z	-9.312	-9.312	0	%100
85	MP2C	X	6.508	6.508	0	%100
86	MP2C	Z	-11.272	-11.272	0	%100
87	MP4B	X	5.376	5.376	0	%100
88	MP4B	Z	-9.312	-9.312	0	%100
89	MP3B	X	5.376	5.376	0	%100
90	MP3B	Z	-9.312	-9.312	0	%100
91	MP1B	X	5.376	5.376	0	%100
92	MP1B	Z	-9.312	-9.312	0	%100
93	MP2B	X	6.508	6.508	0	%100
94	MP2B	Z	-11.272	-11.272	0	%100
95	MP4A	X	5.376	5.376	0	%100
96	MP4A	Z	-9.312	-9.312	0	%100
97	MP3A	X	5.376	5.376	0	%100
98	MP3A	Z	-9.312	-9.312	O O	%100 %100
99	MP1A	X	5.376	5.376	0	%100 %100
100	MP1A	Z	-9.312	-9.312	0	%100
101	MP2A	X	6.508	6.508	0	%100 %100
102	MP2A	Z	-11.272	-11.272	0	%100
103	M101	X	4.396	4.396	0	%100 %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,%]
104	M101	7	-7.615	-7.615	0	%100
105	M106	X	4.881	4.881	0	%100
	M106	Z	-8.454	-8.454	0	%100
106	M113	X	4.881	4.881	0	%100
107		7	-8.454	-8.454	0	%100
108	M113	X	0.404	0	0	%100
109	M120	7	0	0	0	%100
110	M120	X	6,256	6.256	0	%100
111	M123	7	-10.836	-10.836	0	%100
112	M123	X	6.256	6.256	0	%100
113	M124	7	-10.836	-10.836	0	%100
114	M124		0	10.000	0	%100
115	M125	X	0	0	0	%100
116	M125	Z		5.052	0	%100
117	M132	<u> </u>	5.052		0	%100
118	M132	Z	-8.75	-8.75	0	%100 %100
119	M133	X	5.052	5.052	0	%100
120	M133	Z	-8.75	-8.75	0	%100 %100
121	M134	X	5.052	5.052		%100 %100
122	M134	Z	-8.75	-8.75	0	
123	M135	X	5.052	5.052	0	%100
124	M135	Z	-8.75	-8.75	0	%100
125	M136	X	8.203	8.203	0	%100
126	M136	Z	-14.208	-14.208	0	%100
127	M137	X	8.203	8.203	0	%100
128	M137	Z	-14.208	-14.208	0	%100

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

	Member Label	Direction	Start Magnitude(lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
1	M1	X	12.759	12.759	0	%100
2	M1	Z	-7.366	-7.366	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	14.54	14.54	0	%100
6	M10	Z	-8.394	-8.394	0	%100
7	M43	X	14.54	14.54	0	%100
-	M43	7	-8.394	-8.394	0	%100
8	M46	X	23.525	23.525	0	%100
9	M46	7	-13.582	-13.582	0	%100
10	M51B	X	3.266	3.266	0	%100
11		Z	-1.885	-1.885	0	%100
12	M51B	X	3.266	3.266	0	%100
13	M52B	Ž	-1.885	-1.885	0	%100
14	M52B	X	0	0	0	%100
15	M76	Ž	0	Ŏ	0	%100
16	M76		5.99	5.99	0	%100
17	M77	Z	-3.458	-3.458	0	%100
18	M77		6.309	6.309	0	%100
19	M80	X	-3.643	-3.643	0	%100
20	M80	Z		-5.045	0	%100
21	M84	X	0	0	0	%100
22	M84	Z	0		0	%100
23	M85	X	5.99	5.99	0	%100
24	M85	Z	-3.458	-3.458	0	%100 %100
25	M91	X	6.309	6.309		%100 %100
26	M91	Z	-3.643	-3.643	0	
27	M52A	X	11.402	11.402	0	%100
28	M52A	Z	-6.583	-6.583	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,%]
29	M53	X	3.635	3.635	0	%100
30	M53	Z	-2.099	-2.099	0	%100
31	M54	X	3.635	3.635	0	%100
32	M54	Z	-2.099	-2.099	0	%100
33	M55	X	5.881	5.881	0	%100
34	M55	Z	-3.396	-3.396	0	%100
35	M58A	X	3,266	3.266	0	%100
36	M58A	Z	-1.885	-1.885	0	%100
37	M59A	X	13.063	13.063	0	%100
38	M59A	Z	-7.542	-7.542	0	%100
39	M63	X	17.644	17.644	0	%100
40	M63	Z	-10.187	-10.187	0	%100
41	M64	X	5.99	5.99	0	%100
42	M64	Z	-3.458	-3.458	0	%100
43	M66	X	6.309	6.309	0	%100
44	M66	Z	-3.643	-3.643	0	%100
45	M68	X	17.644	17.644	0	%100
46	M68	Z	-10.187	-10.187	Ö	%100 %100
47	M69	X	23.96	23.96	Ō	%100
48	M69	Z	-13.834	-13.834	Ō	%100
49	M71	X	25.237	25.237	Ö	%100
50	M71	Z	-14.571	-14.571	Ŏ	%100 %100
51	M76A	X	11.402	11.402	Ŏ	%100 %100
52	M76A	Z	-6.583	-6.583	Ö	%100
53	M77A	X	3.635	3.635	ŏ	%100 %100
54	M77A	Z	-2.099	-2.099	0	%100
55	M78	X	3.635	3.635	Ö	%100 %100
56	M78	Z	-2.099	-2.099	Ö	%100 %100
57	M79A	X	5.881	5.881	0	%100 %100
58	M79A	Z	-3.396	-3.396	Ö	%100 %100
59	M82	X	13.063	13.063	0	%100 %100
60	M82	Z	-7.542	-7.542	0	%100 %100
61	M83A	X	3.266	3.266	0	%100 %100
62	M83A	Z	-1.885	-1.885	0	%100 %100
63	M87	X	17.644	17.644	0	%100 %100
64	M87	Z	-10.187	-10.187	0	%100
65	M88A	X	23.96	23.96	0	%100 %100
66	M88A	Z	-13.834	-13.834	0	%100 %100
67	M90	X	25.237	25.237	0	%100 %100
68	M90	Z	-14.571	-14.571	0	%100 %100
69	M92A	X	17.644	17.644	0	%100 %100
70	M92A	Z	-10.187	-10.187	0	%100 %100
71	M93	X	5.99			
72	M93	Z	-3.458	5.99 -3.458	0	%100 %100
73	M95	X	6.309	6.309		%100 %100
74	M95	Z	-3.643	-3.643	0	%100 %100
75	M82A	X	3.19	3.19		%100 %100
76	M82A	Ž	-1.842	-1.842	0	%100
77	M91B	X	3.19		0	%100
78	M91B	Z	-1.842	3.19 -1.842	0	%100
79	MP4C	X	9.312		0	%100
80	MP4C	Z	-5.376	9.312	0	%100
81	MP3C	X		-5.376	0	%100
82	MP3C	Ž	9.312	9.312	0	%100
83	MP1C	X	-5.376	-5.376 9.312	0	%100
84	MP1C	Z	9.312		0	%100
85	MP2C	X	-5.376	-5.376	0	%100
00	IVII ZU	^	11.272	11.272	0	%100



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

	Member Label	Direction		End Magnitude[lb/ft,F		End Location[ft,%]
86	MP2C	Z	-6.508	-6.508	0	%100
87	MP4B	X	9.312	9.312	0	%100
88	MP4B	Z	-5.376	-5.376	0	%100
89	MP3B	X	9.312	9.312	0	%100
90	MP3B	Z	-5.376	-5.376	0	%100
91	MP1B	X	9.312	9.312	0	%100
92	MP1B	Z	-5.376	-5.376	0	%100
93	MP2B	X	11.272	11.272	0	%100
94	MP2B	Z	-6.508	-6.508	0	%100
95	MP4A	X	9.312	9.312	0	%100
96	MP4A	7	-5.376	-5.376	0	%100
97	MP3A	X	9.312	9.312	0	%100
98	MP3A	Z	-5.376	-5.376	0	%100
99	MP1A	X	9.312	9.312	0	%100
100	MP1A	Ž	-5.376	-5.376	0	%100
100	MP2A	X	11.272	11.272	0	%100
102	MP2A	Z	-6.508	-6.508	0	%100
103	M101	X	7.615	7.615	0	%100
104	M101	Z	-4.396	-4.396	0	%100
105	M106	X	2.818	2.818	0	%100
	M106	Z	-1.627	-1.627	0	%100
106	M113	X	11.272	11.272	0	%100
107	M113	Z	-6.508	-6.508	0	%100
108	M120	X	2.818	2.818	0	%100
109	M120	Z	-1.627	-1.627	0	%100
110		X	14.449	14.449	0	%100
111	M123	Z	-8.342	-8.342	0	%100
112	M123	X	3.612	3.612	0	%100
113	M124	Ž	-2.085	-2.085	0	%100
114	M124	X	3.612	3.612	0	%100
115	M125	Ž	-2.085	-2.085	0	%100
116	M125	X	12.389	12.389	0	%100
117	M132	Ż	-7.153	-7.153	0	%100
118	M132	X	12.389	12.389	0	%100
119	M133		-7.153	-7.153	0	%100
120	M133	Z	6.93	6.93	0	%100
121	M134	X	-4.001	-4.001	0	%100
122	M134	Z		6.93	0	%100 %100
123	M135	X	6.93	-4.001	0	%100
124	M135	Z	<u>-4.001</u>	12.389	0	%100 %100
125	M136	X	12.389		0	%100 %100
126	M136	Z	-7.153	-7.153	0	%100 %100
127	M137	X	12.389	12.389		%100 %100
128	M137	Z	-7.153	-7.153	0	76100

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	M1	X	11.049	11.049	0	%100
2	M1	7	0	0	0	%100
3	M4	X	4.389	4.389	0	%100
	M4	7	0	0	0	%100
5	M10	Y	12.592	12.592	0	%100
6	M10	7	0	0	0	%100
7	M43	Y	12.592	12.592	0	%100
0	M43	7	0	0	0	%100
8		Y	20.373	20.373	0	%100
9	M46 M46	Ž	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,%]
11	M51B	X	11,313	11.313	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	6.791	6.791	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	20.75	20.75	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	21.856	21.856	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	6.791	6.791	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	0	0	Q	%100
25	M91	X	0	0	0	%100
26	M91	Z	0	0	0	%100
27	M52A	X	4.389	4.389	Q	%100
28	M52A	Z	0	0	0	%100
29	M53	X	12.592	12.592	0	%100
30	M53	Z	0	0	0	%100
31	M54	X	12.592	12.592	0	%100
32	M54	Z	0	0	0	%100
33	M55	X	20.373	20.373	0	%100
34	M55	Z	0	0	0	%100
35	M58A	X	0	0	0	%100
36	M58A	Z	0	0	0	%100
37	M59A	X	11.313	11.313	0	%100
38	M59A	Z	0	0	0	%100
39	M63	X	6.791	6.791	0	%100
40	M63	Z	0	0	0	%100
41	M64	X	0	0	0	%100
42	M64	Z	0	0	0	%100
43	M66	X	0	0	0	%100
44	M66	Z	0	0	0	%100
45	M68	X	6.791	6.791	0	%100
46	M68	Z	0	0	0	%100
47	M69	X	20.75	20.75	0	%100
48	M69	Z	0	0	0	%100
49	M71	X	21.856	21.856	0	%100
50	M71	Z	0	0	0	%100
51	M76A	X	17.554	17.554	0	%100
52	M76A	Z	0	0	0	%100
53	M77A	X	0	0	0	%100
54	M77A	Z	0	0	0	%100
55	M78	X	0	0	0	%100
56	M78	Z	0	0	0	%100
57	M79A	X	0	0	0	%100
58	M79A	Z	0	0	0	%100
59	M82	X	11.313	11.313	0	%100
60	M82	Z	0	0	0	%100
61	M83A	X	11.313	11.313	0	%100
62	M83A	Z	0	0	0	%100
63	M87	X	27.164	27.164	0	%100
64	M87	Z	0	0	0	%100
65	M88A	X	20.75	20.75	0	%100
66	M88A	Z	0	0	0	%100
67	M90	X	21.856	21.856	0	%100

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

	Member Label	Direction		End Magnitude[lb/ft,F.,	Start Location[ft,%]	End Location[ft,%]
68	M90	Z	0	0	0	%100
69	M92A	X	27,164	27.164	0	%100
70	M92A	Z	0	0	0	%100
71	M93	X	20.75	20.75	0	%100
72	M93	Z	0	0	0	%100
73	M95	X	21.856	21.856	0	%100
74	M95	Z	0	0	0	%100
75	M82A	X	11.049	11.049	0	%100
76	M82A	Z	0	0	0	%100
77	M91B	X	0	0	0	%100
78	M91B	Z	0	0	0	%100
79	MP4C	X	10.752	10.752	0	%100
80	MP4C	Z	0	0	0	%100
81	MP3C	X	10.752	10.752	0	%100
	MP3C	Z	0	0	0	%100
82	MP1C	X	10.752	10.752	0	%100
83	MP1C	Z	0	0	0	%100
84	MP2C	X	13.016	13.016	0	%100
85	MP2C	Z	0	0	0	%100
86	MP4B	X	10.752	10.752	0	%100
87		Z	0	0	0	%100
88	MP4B MP3B	X	10.752	10.752	0	%100
89	MP3B	Z	0	0	0	%100
90		X	10.752	10.752	0	%100
91	MP1B	Z	0	0	0	%100
92	MP1B	X	13.016	13.016	0	%100
93	MP2B	Z	0	0	0	%100
94	MP2B	X	10.752	10.752	0	%100
95	MP4A	Z	0	0	0	%100
96	MP4A	X	10.752	10.752	0	%100
97	MP3A	Ž	0	0	0	%100
98	MP3A	X	10.752	10.752	0	%100
99	MP1A	Z	0	0	0	%100
100	MP1A	X	13.016	13.016	0	%100
101	MP2A	Z	0	0	Ŏ	%100
102	MP2A		8.793	8.793	0	%100
103	M101	X	0.795	0.750	0	%100
104	M101	Z	0	0	Ŏ	%100
105	M106	X	0	0	Ŏ	%100
106	M106	Z	9.762	9.762	Ö	%100
107	- M113	X	9.762	0	0	%100
108	M113	Z	9.762	9.762	0	%100
109	M120	X		_	0	%100
110	M120	Z	0	12.513	0	%100 %100
111	M123	X	12.513	0	0	%100
112	M123	Z	0		0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	12.513	0	%100 %100
115	M125	X	12.513		0	%100 %100
116	M125	Z	0	0 16,406	0	%100 %100
117	M132	X	16.406		0	%100
118	M132	Z	0	0	0	%100 %100
119	M133	X	16.406	16.406		%100 %100
120	M133	Z	0	0	0	%100 %100
121	M134	X	10.103	10.103	0	
122	M134	Z	0	0 10 100	0	%100 %100
123	M135	X	10.103	10.103	0	%100 %100
124	M135	Z	0	0	0	70100



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,%]
125	M136	X	10.103	10.103	0	%100
126	M136	Z	0	0	0	%100
127	M137	X	10.103	10,103	0	%100
128	M137	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F.	. Start Location[ft,%]	End Location[ft,%]
1	M1	X	3.19	3.19	0	%100
2	M1	Z	1.842	1.842	0	%100
3	M4	X	11.402	11.402	0	%100
4	M4	Z	6.583	6.583	0	%100
5	M10	X	3.635	3.635	0	%100
6	M10	Z	2.099	2.099	0	%100
7	M43	X	3.635	3.635	0	%100
8	M43	Z	2.099	2.099	0	%100
9	M46	X	5.881	5.881	0	%100
10	M46	Z	3.396	3.396	0	%100
11	M51B	X	13.063	13.063	0	%100
12	M51B	Z	7.542	7.542	0	%100
13	M52B	X	3.266	3.266	0	%100
14	M52B	Z	1.885	1.885	Ö	%100
15	M76	X	17.644	17.644	0	%100
16	M76	Z	10.187	10.187	0	%100
17	M77	X	23.96	23.96	0	%100 %100
18	M77	Z	13.834	13.834	0	%100 %100
19	M80	X	25.237	25.237	0	%100 %100
20	M80	Z	14.571	14.571	0	%100 %100
21	M84	X	17.644	17.644	0	%100 %100
22	M84	Z	10.187	10.187	0	%100 %100
23	M85	X	5.99	5.99	0	%100 %100
24	M85	Z	3.458	3.458	Ö	%100 %100
25	M91	X	6.309	6.309	0	%100 %100
26	M91	Z	3.643	3.643	Ö	%100
27	M52A	X	0	0	0	%100 %100
28	M52A	Z	Ŏ	Ŏ	0	%100 %100
29	M53	X	14.54	14.54	0	%100 %100
30	M53	Z	8.394	8.394	0	%100 %100
31	M54	X	14.54	14.54	0	%100 %100
32	M54	Z	8.394	8.394	0	%100 %100
33	M55	X	23.525	23.525	0	%100 %100
34	M55	Z	13.582	13.582	0	%100 %100
35	M58A	X	3.266	3.266	0	%100 %100
36	M58A	Z	1.885	1.885	0	%100 %100
37	M59A	X	3.266	3.266	0	%100 %100
38	M59A	Z	1.885	1.885	Ö	%100 %100
39	M63	X	0	0	0	%100 %100
40	M63	Z	0	0	0	%100 %100
41	M64	X	5.99	5.99	0	%100 %100
42	M64	Z	3.458	3.458	0	
43	M66	X	6.309	6.309	0	%100 %100
44	M66	Z	3.643	3.643		%100 %100
45	M68	X	0		0	%100
46	M68	Ž	0	0	0	%100
47	M69	X	5.99		0	%100
48	M69	Ž	3.458	5.99	0	%100
49	M71	X	6.309	3.458	0	%100
73	IVI / 1		0.309	6.309	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F		End Location[ft,%] %100
50	M71	Z	3.643	3.643	0	%100 %100
51	M76A	X	11.402	11.402	0	%100
52	M76A	Z	6.583	6.583	0	%100 %100
53	M77A	X	3.635	3.635	0	%100 %100
54	M77A	Z	2.099	2.099	0	%100
55	M78	X	3.635	3.635	0	%100
56	M78	Z	2.099	2.099	0	%100 %100
57	M79A	X	5.881	5.881	0	%100
58	M79A	Z	3.396	3.396		%100 %100
59	M82	X	3.266	3.266	0	%100 %100
60	M82	Z	1.885	1.885	0	%100 %100
61	M83A	X	13.063	13.063	0	%100 %100
62	M83A	Z	7.542	7.542	0	%100 %100
63	M87	X	17.644	17.644	0	%100
64	M87	Z	10.187	10.187	0	%100 %100
65	M88A	X	5.99	5.99	0	%100 %100
66	M88A	Z	3.458	3.458		%100 %100
67	M90	X	6.309	6.309	0	%100 %100
68	M90	Z	3.643	3.643	0	%100 %100
69	M92A	X	17.644	17.644	0	%100
70	M92A	Z	10.187	10.187	0	%100 %100
71	M93	X	23.96	23.96		%100 %100
72	M93	Z	13.834	13.834	0	%100 %100
73	M95	X	25.237	25.237		%100 %100
74	M95	Z	14.571	14.571	0	%100 %100
75	M82A	X	12.759	12.759	0	%100 %100
76	M82A	Z	7.366	7.366	0	%100 %100
77	M91B	X	3.19	3.19	0	%100 %100
78	M91B	Z	1.842	1.842	0	%100 %100
79	MP4C	X	9.312	9.312	0	%100 %100
80	MP4C	Z	5.376	5.376	0	%100 %100
81	MP3C	X	9.312	9.312	0	%100 %100
82	MP3C	Z	5.376	5.376	0	%100 %100
83	MP1C	X	9.312	9.312	0	%100 %100
84	MP1C	Z	5.376	5.376	0	%100 %100
85	MP2C	X	11.272	11.272	0	%100 %100
86	MP2C	Z	6.508	6.508	0	
87	MP4B	X	9.312	9.312	0	%100
88	MP4B	Z	5.376	5.376	0	%100 %100
89	MP3B	X	9.312	9.312	0	%100 %100
90	MP3B	Z	5.376	5.376	0	%100 %100
91	MP1B	X	9.312	9.312	0	%100 %100
92	MP1B	Z	5.376	5.376	0	%100 %100
93	MP2B	X	11.272	11.272	0	%100 %100
94	MP2B	Z	6.508	6.508	0	%100
95	MP4A	X	9.312	9.312	0	%100 %100
96	MP4A	Z	5.376	5.376	0	%100
97	MP3A	X	9.312	9.312	0	%100
98	MP3A	Z	5.376	5.376	0	%100
99	MP1A	X	9.312	9.312	0	%100
100	MP1A	Z	5.376	5.376	0	%100
101	MP2A	X	11.272	11.272	0	%100
102	MP2A	Z	6.508	6.508	0	%100
103	M101	X	7.615	7.615	0	%100
104	M101	Z	4.396	4.396	0	%100
105	M106	X	2.818	2.818	0	%100
106	M106	Z	1.627	1.627	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft %]	End Location[ft.%]
107	M113	X	2.818	2.818	0	%100
108	M113	Z	1.627	1.627	0	%100
109	M120	X	11.272	11.272	0	%100
110	M120	Z	6.508	6.508	0	%100
111	M123	X	3.612	3.612	0	%100
112	M123	Z	2.085	2.085	0	%100
113	M124	X	3.612	3.612	0	%100
114	M124	Z	2.085	2.085	0	%100
115	M125	X	14,449	14,449	0	%100
116	M125	Z	8.342	8.342	0	%100
117	M132	X	12.389	12.389	0	%100
118	M132	Z	7.153	7.153	0	%100
119	M133	X	12.389	12.389	0	%100
120	M133	Z	7.153	7.153	Ō	%100
121	M134	X	12.389	12.389	Ö	%100
122	M134	Z	7.153	7.153	Ö	%100
123	M135	X	12.389	12.389	0	%100 %100
124	M135	Z	7.153	7.153	Ŏ	%100
125	M136	X	6.93	6.93	0	%100 %100
126	M136	Z	4.001	4.001	Ö	%100
127	M137	X	6.93	6.93	0	%100
128	M137	Z	4.001	4.001	ŏ	%100 %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	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	8.777	8.777	0	%100
4	M4	Z	15.202	15.202	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	0	0	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	0	0	0	%100
11	M51B	X	5.656	5.656	0	%100 %100
12	M51B	Z	9.797	9.797	0	%100
13	M52B	X	5.656	5.656	0	%100 %100
14	M52B	Z	9.797	9.797	0	%100
15	M76	X	13.582	13.582	0	%100
16	M76	Z	23.525	23.525	Ö	%100 %100
17	M77	X	10.375	10.375	0	%100 %100
18	M77	Z	17.97	17.97	Ö	%100
19	M80	X	10.928	10.928	0	%100 %100
20	M80	7	18.928	18.928	0	%100 %100
21	M84	X	13.582	13.582	0	%100
22	M84	Z	23.525	23.525	0	%100
23	M85	X	10.375	10.375	0	%100 %100
24	M85	Z	17.97	17.97	0	%100
25	M91	X	10.928	10.928	0	%100 %100
26	M91	Z	18.928	18.928	0	%100
27	M52A	X	2.194	2.194	0	%100 %100
28	M52A	Z	3.801	3.801	0	%100
29	M53	X	6.296	6.296	0	%100 %100
30	M53	Z	10.905	10.905	0	%100 %100
31	M54	X	6.296	6.296	0	%100 %100



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

	er Distributed Lo	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%
32	M54	Z	10.905	10.905	0	%100
33	M55	X	10.187	10.187	0	%100
34	M55	Z	17.644	17.644	0	%100
35	M58A	X	5.656	5.656	0	%100
36	M58A	Z	9.797	9.797	0	%100
37	M59A	X	0	0	0	%100
	M59A	Z	0	0	0	%100
38	M63	X	3.396	3.396	0	%100
39	M63	Z	5.881	5.881	0 4	%100
40		X	10.375	10.375	0	%100
41	M64	Ž	17.97	17.97	0	%100
42	M64	X	10.928	10.928	0	%100
43	M66		18.928	18.928	0	%100
44	M66	Z	3.396	3.396	0	%100
45	M68	X		5.881	0	%100
46	M68	Z	5.881		0	%100
47	M69	X	0	0	0	%100 %100
48	M69	Z	0	0	0	%100 %100
49	M71	X	0	0	0	%100 %100
50	M71	Z	0	0		%100 %100
51	M76A	X	2.194	2.194	0	%100 %100
52	M76A	Z	3.801	3.801	0	
53	M77A	X	6.296	6.296	0	%100
54	M77A	Z	10.905	10.905	0	%100
55	M78	X	6.296	6.296	0	%100
56	M78	Z	10.905	10.905	0	%100
57	M79A	X	10.187	10.187	0	%100
58	M79A	Z	17.644	17.644	0	%100
59	M82	X	0	0	0	%100
60	M82	Z	0	0	0	%100
61	M83A	X	5.656	5.656	0	%100
62	M83A	Z	9.797	9.797	0	%100
63	M87	X	3.396	3.396	0	%100
64	M87	Z	5.881	5.881	0	%100
65	M88A	X	0	0	0	%100
66	M88A	Z	0	0	0	%100
	M90	X	0	0	0	%100
67	M90	Z	Ö	0	0	%100
68		X	3.396	3.396	0	%100
69	M92A	Z	5.881	5.881	0	%100
70	M92A	X	10.375	10.375	0	%100
71	M93	Z	17.97	17.97	0	%100
72	M93		10.928	10.928	0	%100
73	M95	X	18.928	18.928	0	%100
74	M95	Z	5.525	5.525	0	%100
75	M82A	X		9.569	0	%100 %100
76	M82A	Z	9.569	5.525	0	%100
77	M91B	X	5.525		0	%100 %100
78	M91B	Z	9.569	9.569	0	%100 %100
79	MP4C	X	5.376	5.376		%100 %100
80	MP4C	Z	9.312	9.312	0	%100 %100
81	MP3C	X	5.376	5.376	0	
82	MP3C	Z	9.312	9.312	0	%100 %100
83	MP1C	X	5.376	5.376	0	%100
84	MP1C	Z	9.312	9.312	0	%100
85	MP2C	X	6.508	6.508	0	%100
86	MP2C	Z	11.272	11.272	0	%100
87	MP4B	X	5.376	5.376	0	%100
88	MP4B	Z	9.312	9.312	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,%]
89	MP3B	X	5.376	5.376	0	%100
90	MP3B	Z	9.312	9.312	0	%100
91	MP1B	X	5.376	5.376	0	%100
92	MP1B	Z	9.312	9.312	0	%100
93	MP2B	X	6.508	6.508	0	%100
94	MP2B	Z	11.272	11.272	0	%100
95	MP4A	X	5.376	5.376	0	%100
96	MP4A	Z	9.312	9.312	0	%100
97	MP3A	X	5.376	5.376	0	%100
98	MP3A	Z	9.312	9.312	0	%100
99	MP1A	X	5.376	5.376	0	%100
100	MP1A	Z	9.312	9.312	Ō	%100
101	MP2A	X	6.508	6.508	0	%100
102	MP2A	Z	11.272	11.272	Ö	%100
103	M101	X	4.396	4.396	0	%100
104	M101	Z	7.615	7.615	0	%100
105	M106	X	4.881	4.881	0	%100
106	M106	Z	8.454	8.454	Ö	%100 %100
107	M113	X	0	0	Ö	%100 %100
108	M113	Z	0	0	Ö	%100
109	M120	X	4.881	4.881	0	%100 %100
110	M120	Z	8.454	8.454	Ö	%100
111	M123	X	0	0	0	%100 %100
112	M123	Z	0	0	Ö	%100 %100
113	M124	X	6.256	6.256	0	%100 %100
114	M124	Z	10.836	10.836	Ŏ	%100 %100
115	M125	X	6.256	6.256	0	%100 %100
116	M125	Z	10.836	10.836	Ö	%100
117	M132	X	5.052	5.052	Ö	%100 %100
118	M132	Z	8.75	8.75	Ö	%100 %100
119	M133	X	5.052	5.052	0	%100 %100
120	M133	Z	8.75	8.75	0	%100
121	M134	X	8.203	8.203	0	%100 %100
122	M134	Z	14.208	14.208	0	%100 %100
123	M135	X	8.203	8.203	0	%100
124	M135	Z	14.208	14.208	0	%100 %100
125	M136	X	5.052	5.052	0	%100 %100
126	M136	Ž	8.75	8.75	0	%100 %100
127	M137	X	5.052	5.052	0	%100 %100
128	M137	Z	8.75	8.75	0	%100 %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	M1	X	0	0	0	%100
2	M1	Z	3.683	3.683	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	13.166	13.166	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	4.197	4.197	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	4.197	4.197	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	6.791	6.791	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	3.771	3.771	0	%100
13	M52B	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.%
14	M52B	Z	15.084	15.084	0	%100 %100
15	M76	X	0	0	0	%100
16	M76	Z	20.373	20.373	0	%100
17	M77	X	Q	0	0	%100
18	M77	Z	6.917	6.917	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	7.285	7.285	0	%100
21	M84	X	0	0	0	%100
22	M84	Z	20.373	20.373	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	27.667	27.667	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	29.141	29.141	0	%100
27	M52A	X	0	0	0	%100
28	M52A	Z	13.166	13.166	0	%100
29	M53	X	0	0	0	%100
30	M53	Z	4.197	4.197	0	%100
31	M54	X	0	0	0	%100
32	M54	Z	4.197	4.197	0	%100
33	M55	X	0	0	0	%100
34	M55	Z	6.791	6.791	0	%100
35	M58A	X	0	0	0	%100
36	M58A	Z	15.084	15.084	0	%100
37	M59A	X	0	0	0	%100
38	M59A	Z	3.771	3.771	0	%100
39	M63	X	0	0	0	%100
40	M63	Z	20.373	20.373	0	%100
41	M64	X	0	0	0	%100
42	M64	Z	27.667	27.667	0	%100
43	M66	X	0	0	0	%100
44	M66	Z	29.141	29.141	0	%100
45	M68	X	0	0	0	%100
46	M68	Z	20.373	20.373	0	%100
47	M69	X	0	0	0	%100
48	M69	Z	6.917	6.917	0	%100
49	M71	X	0	0	0	%100
50	M71	Z	7.285	7.285	0	%100
51	M76A	X	0	0	0	%100
52	M76A	Z	0	0	0	%100
53	M77A	X	0	0	0	%100
54	M77A	Z	16.789	16.789	0	%100
55	M78	X	0	0	0	%100
56	M78	Z	16.789	16.789	0	%100
57	M79A	X	0	0	0	%100
58	M79A	Z	27.164	27.164	0	%100
59	M82	X	0	0	0	%100
60	M82	Z	3.771	3.771	0	%100
61	M83A	X	0	0	0	%100
62	M83A	Z	3.771	3.771	0	%100
63	M87	X	0	0	0	%100
64	M87	Z	0	0	0	%100
65	M88A	X	0	0	0	%100
66	M88A	Z	6.917	6.917	0	%100
67	M90	X	0	0	0	%100
68	M90	Z	7.285	7.285	0	%100
69	M92A	X	0	0	0	%100
70	M92A	Z	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,%]
71	M93	X	0	0	0	%100
72	M93	Z	6.917	6.917	0	%100
73	M95	X	0	0	0	%100
74	M95	Z	7.285	7.285	0	%100
75	M82A	X	0	0	0	%100
76	M82A	Z	3.683	3.683	0	%100
77	M91B	X	0	0	0	%100
78	M91B	Z	14.732	14.732	0	%100
79	MP4C	X	0	0	0	%100
80	MP4C	Z	10.752	10.752	0	%100
81	MP3C	X	0	0	0	%100
82	MP3C	Z	10.752	10.752	0	%100
83	MP1C	X	0	0	0	%100
84	MP1C	Z	10.752	10.752	0	%100
85	MP2C	X	0	0	0	%100
86	MP2C	Z	13.016	13.016	0	%100
87	MP4B	X	0	0	0	%100
88	MP4B	Z	10.752	10.752	0	%100
89	MP3B	X	0	0	0	%100 %100
90	MP3B	Z	10.752	10.752	Ö	%100
91	MP1B	X	0	0	Ö	%100
92	MP1B	Z	10.752	10.752	0	%100
93	MP2B	X	0	0	0	%100 %100
94	MP2B	Z	13.016	13.016	Ö	%100
95	MP4A	X	0	0	0	%100
96	MP4A	Z	10.752	10.752	0	%100 %100
97	MP3A	X	0	0	0	%100 %100
98	MP3A	Z	10.752	10.752	0	%100 %100
99	MP1A	X	0	0	Ö	%100 %100
100	MP1A	Z	10.752	10.752	0	%100 %100
101	MP2A	X	0	0	0	%100 %100
102	MP2A	Z	13.016	13.016	Ö	%100 %100
103	M101	X	0	0	0	%100 %100
104	M101	Z	8.793	8.793	0	%100 %100
105	M106	X	0.700	0.755	0	%100 %100
106	M106	Ž	13.016	13.016	Ö	%100
107	M113	X	0	0	0	%100
108	M113	Z	3.254	3.254	0	%100
109	M120	X	0	0	0	%100 %100
110	M120	Z	3.254	3.254	0	%100 %100
111	M123	X	0	0	0	%100 %100
112	M123	Z	4.171	4.171	0	
113	M124	X	0	0		%100
114	M124	Z	16.684	16.684	0	%100 %100
115	M125	X	0	0	0	
116	M125	Ž	4.171	4.171	0	%100 %100
117	M132	X	4.171	0		%100
118	M132	Z	8.002	8.002	0	%100 %100
119	M133	X	0.002		0	%100
120	M133	Z	8.002	0	0	%100
121	M134	X		8.002	0	%100
122	M134	Ž	14 205	0	0	%100
123	M135	X	14.305	14.305	0	%100
124	M135	Z	0	0	0	%100
125	M136		14.305	14.305	0	%100
126	M136	Z	0	0	0	%100
127			14.305	14.305	0	%100
121	M137	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,%]
128 M137	Z	14.305	14.305	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,F.,	Start Location[ft,%]	End Location[ft,%
1	M1	X	-5.525	-5.525	0	%100
2	M1	Z	9.569	9.569	0	%100
3	M4	X	-2.194	-2.194	0	%100
4	M4	Z	3.801	3.801	0	%100
5	M10	X	-6.296	-6.296	0	%100
6	M10	Z	10.905	10.905	0	%100
7	M43	X	-6.296	-6.296	0	%100
8	M43	Z	10.905	10.905	0	%100
9	M46	X	-10.187	-10.187	0	%100
10	M46	Z	17.644	17.644	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	-5.656	-5.656	0	%100
14	M52B	Z	9.797	9.797	0	%100
15	M76	X	-3.396	-3.396	0	%100
	M76	Z	5.881	5.881	0	%100
16	M77	X	0	0	0	%100
17	M77	Z	Ö	0	0	%100
18		X	0	0	0	%100
19	M80	Z	0	0	0	%100
20	M80	X	-3.396	-3.396	0	%100
21	M84	Z	5.881	5.881	0	%100
22	M84	X	-10.375	-10.375	0	%100
23	M85		17.97	17.97	0	%100
24	M85	Z	-10.928	-10.928	0	%100
25	M91	Z	18.928	18.928	0	%100
26	M91		-8.777	-8.777	0	%100
27	M52A	X	15.202	15.202	0	%100
28	M52A	Z		0	0	%100
29	M53	X	0	0	0	%100
30	M53	Z	0	0	0	%100
31	M54	X	0	0	0	%100
32	M54	Z	0		0	%100
33	M55	X	0	0	0	%100 %100
34	M55	Z	0	0	0	%100 %100
35	M58A	X	-5.656	-5.656	0	%100 %100
36	M58A	Z	9.797	9.797		%100 %100
37	M59A	X	-5.656	-5.656	0	%100 %100
38	M59A	Z	9.797	9.797	0	
39	M63	X	-13.582	-13.582	0	%100
40	M63	Z	23.525	23.525	0	%100
41	M64	X	-10.375	-10.375	0	%100
42	M64	Z	17.97	17.97	0	%100
43	M66	X	-10.928	-10.928	0	%100
44	M66	Z	18.928	18.928	0	%100
45	M68	X	-13.582	-13.582	0	%100
46	M68	Z	23.525	23.525	0	%100
47	M69	X	-10.375	-10.375	0	%100
48	M69	Z	17.97	17.97	0	%100
49	M71	X	-10.928	-10.928	0	%100
50	M71	Z	18.928	18.928	0	%100
51	M76A	X	-2.194	-2.194	0	%100
52	M76A	Z	3.801	3.801	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,%]
53	M77A	X	-6.296	-6.296	0	%100
54	M77A	Z	10.905	10,905	0	%100
55	M78	X	-6.296	-6.296	0	%100
56	M78	Z	10.905	10.905	0	%100
57	M79A	X	-10.187	-10.187	0	%100
58	M79A	Z	17.644	17.644	0	%100
59	M82	X	-5.656	-5.656	0	%100
60	M82	Z	9.797	9.797	Ö	%100
61	M83A	X	0	0	0	%100 %100
62	M83A	Z	Ö	0	0	%100
63	M87	X	-3.396	-3.396	0	%100
64	M87	Z	5.881	5.881	0	%100 %100
65	M88A	X	-10.375	-10.375	0	%100 %100
66	M88A	Z	17.97	17.97	0	%100
67	M90	X	-10.928	-10.928	0	%100 %100
68	M90	Z	18.928	18.928	0	%100 %100
69	M92A	X	-3.396	-3.396	0	%100 %100
70	M92A	Z	5.881	5.881	0	%100
71	M93	X	0	0	0	%100 %100
72	M93	Z	0	0	0	
73	M95	X	0			%100
74	M95	Ž	0	0	0	%100
75	M82A	X	0		0	%100
76	M82A			0	0	%100
77	M91B	Z	0	0	0	%100
78	M91B	Ž	-5.525	-5.525	0	%100
79	MP4C		9.569	9.569	0	%100
80	MP4C MP4C	X	-5.376	-5.376	0	%100
81	MP3C	Z	9.312	9.312	0	%100
82	MP3C	X	-5.376	-5.376	0	%100
83	MP1C	Z	9.312	9.312	0	%100
84		X	-5.376	-5.376	0	%100
85	MP1C	Z	9.312	9.312	0	%100
	MP2C	X	-6.508	-6.508	0	%100
86	MP2C	Z	11.272	11.272	0	%100
87	MP4B	X	-5.376	-5.376	0	%100
88	MP4B	Z	9.312	9.312	0	%100
89	MP3B	X	-5.376	-5.376	0	%100
90	MP3B	Z	9.312	9.312	0	%100
91	MP1B	X	-5.376	-5.376	0	%100
92	MP1B	Z	9.312	9.312	0	%100
93	MP2B	X	-6.508	-6.508	0	%100
94	MP2B	Z	11.272	11.272	0	%100
95	MP4A	X	-5.376	-5.376	0	%100
96	MP4A	Z	9.312	9.312	0	%100
97	MP3A	X	-5.376	-5.376	0	%100
98	MP3A	Z	9.312	9.312	0	%100
99	MP1A	X	-5.376	-5.376	0	%100
100	MP1A	Z	9.312	9.312	0	%100
101	MP2A	X	-6.508	-6.508	0	%100
102	MP2A	Z	11.272	11.272	0	%100
103	M101	X	-4.396	-4.396	0	%100
104	M101	Z	7.615	7.615	0	%100
105	M106	X	-4.881	-4.881	0	%100
106	M106	Z	8.454	8.454	0	%100
107	M113	X	-4.881	-4.881	0	%100
108	M113	Z	8.454	8.454	0	%100
109	M120	X	0	0	0	%100



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

	Member Label	Direction	Start MagnitudeIlb/ft	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
440	M120	7	0	0	0	%100
110		X	-6.256	-6.256	0	%100
111	M123	1 7	10.836	10.836	0	%100
112	M123		-6.256	-6.256	0	%100
113	M124	X		10.836	0	%100
114	M124		10.836	0	0	%100
115	M125	X	0		0	%100
116	M125	Z	0	0	0	%100
117	M132	X	-5.052	-5.052	0	
118	M132	Z	8.75	8.75	0	%100
119	M133	X	-5.052	-5.052	0	%100
120	M133	7	8.75	8.75	0	%100
	M134	X	-5.052	-5.052	0	%100
121	M134	7	8.75	8.75	0	%100
122		X	-5.052	-5.052	0	%100
123	M135	7	8.75	8.75	0	%100
124	M135		-8.203	-8.203	0	%100
125	M136	X		14.208	0	%100
126	M136	Z	14.208		0	%100
127	M137	X	-8.203	-8.203		%100
128	M137	Z	14.208	14.208	0	/0100

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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,F.	Start Location[ft,%]	End Location[ft,%
1	M1	X	-12.759	-12.759	0	%100
2	M1	Z	7.366	7.366	0	%100
3	M4	X	0	0	0	%100
4	M4	Ž	0	0	0	%100
5	M10	X	-14.54	-14.54	0	%100
6	M10	Z	8.394	8.394	0	%100
7	M43	X	-14.54	-14.54	0	%100
8	M43	Z	8.394	8.394	0	%100
9	M46	X	-23.525	-23.525	0	%100
0	M46	7	13.582	13.582	0	%100
1	M51B	X	-3.266	-3.266	0	%100
		Z	1.885	1.885	0	%100
2	M51B M52B	X	-3.266	-3.266	0	%100
3		Z	1.885	1.885	0	%100
4	M52B M76	X	0	0	0	%100
5		Z	0	0	0	%100
6	M76	X	-5.99	-5.99	0	%100
7	M77	Z	3.458	3.458	0	%100
18	M77	X	-6.309	-6.309	0	%100
19	M80	Z	3.643	3.643	0	%100
20	M80		0	0.0-10	0	%100
21	M84	X	0	0	0	%100
22	M84	Z	-5.99	-5.99	0	%100
23	M85	X	3.458	3.458	0	%100
24	M85	Z	-6.309	-6.309	0	%100
25	M91	X		3.643	0	%100
26	M91	Z	3.643	-11.402	0	%100
27	M52A	X	-11.402	6.583	0	%100
28	M52A	Z	6.583	-3.635	0	%100
29	M53	X	-3.635		0	%100
30	M53	Z	2.099	2.099	0	%100 %100
31	M54	X	-3.635	-3.635	0	%100
32	M54	Z	2.099	2.099		%100 %100
33	M55	X	-5.881	-5.881	0	%100 %100
34	M55	Z	3.396	3.396	U	70100



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

	Member Label	Direction	Start Magnitude[lb/ft	.End Magnitude[lb/ft,F.	Start Location[ft,%]	End Location[ft,%]
35	M58A	X	-3.266	-3.266	0	%100
36	M58A	Z	1.885	1.885	0	%100
37	M59A	X	-13.063	-13.063	0	%100
38	M59A	Z	7.542	7.542	0	%100
39	M63	X	-17.644	-17.644	0	%100
40	M63	Z	10.187	10.187	0	%100
41	M64	X	-5.99	-5.99	0	%100
42	M64	Z	3.458	3.458	0	%100
43	M66	X	-6.309	-6.309	0	%100
44	M66	Z	3.643	3.643	0	%100
45	M68	X	-17.644	-17.644	0	%100
46	M68	Z	10.187	10.187	0	%100
47	M69	X	-23.96	-23.96	0	%100
48	M69	Z	13.834	13.834	0	%100
49	M71	X	-25.237	-25.237	0	%100
50	M71	Z	14.571	14.571	0	%100
51	M76A	X	-11.402	-11.402	0	%100
52	M76A	Z	6.583	6.583	0	%100
53	M77A	X	-3.635	-3.635	0	%100
54	M77A	Z	2.099	2.099	0	%100
55	M78	X	-3.635	-3.635	0	%100
56	M78	Z	2.099	2.099	0	%100
57	M79A	X	-5.881	-5.881	0	%100
58	M79A	Z	3.396	3.396	0	%100
59	M82	X	-13.063	-13.063	0	%100
60	M82	Z	7.542	7.542	0	%100
61	M83A	X	-3.266	-3.266	0	%100
62	M83A	Z	1.885	1.885	Ö	%100
63	M87	X	-17.644	-17.644	Ö	%100 %100
64	M87	Z	10.187	10.187	Ö	%100
65	M88A	X	-23.96	-23.96	Ö	%100
66	M88A	Z	13.834	13.834	Ö	%100
67	M90	X	-25.237	-25.237	Ö	%100 %100
68	M90	Z	14.571	14.571	ŏ	%100
69	M92A	X	-17.644	-17.644	Ö	%100 %100
70	M92A	Z	10.187	10.187	0	%100 %100
71	M93	X	-5.99	-5.99	0	%100 %100
72	M93	Z	3.458	3.458	Ö	%100 %100
73	M95	X	-6.309	-6.309	ő	%100 %100
74	M95	Z	3.643	3.643	0	%100 %100
75	M82A	X	-3.19	-3.19	Ö	%100 %100
76	M82A	Z	1.842	1.842	0	%100
77	M91B	X	-3.19	-3.19	0	%100 %100
78	M91B	Z	1.842	1.842	Ö	%100 %100
79	MP4C	X	-9.312	-9.312	0	%100 %100
80	MP4C	Z	5.376	5.376	0	%100 %100
81	MP3C	X	-9.312	-9.312	0	%100 %100
82	MP3C	Ž	5.376	5.376	0	%100 %100
83	MP1C	X	-9.312	-9.312	0	
84	MP1C	Z	5.376	5.376	0	%100 %100
85	MP2C	X	-11.272	-11.272	0	
86	MP2C	Z	6.508	6.508	0	%100 %100
87	MP4B	X	-9.312	-9.312	0	%100 %100
88	MP4B	Ž	5.376	5.376		%100
89	MP3B	X	-9.312		0	%100
	MP3B	Ž	5.376	-9.312 5.376	0	%100 %100
90				21.3/17		



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

M	ember Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
92	MP1B	Z	5.376	5.376	0	%100
93	MP2B	X	-11.272	-11.272	0	%100
94	MP2B	7	6.508	6.508	0	%100
95	MP4A	X	-9.312	-9.312	0	%100
96	MP4A	Z	5.376	5.376	0	%100
97	MP3A	X	-9.312	-9.312	0	%100
98	MP3A	Z	5.376	5.376	0	%100
99	MP1A	X	-9.312	-9.312	0	%100
100	MP1A	Z	5.376	5.376	0	%100
101	MP2A	X	-11.272	-11.272	0	%100
102	MP2A	Z	6.508	6.508	0	%100
	M101	X	-7.615	-7.615	0	%100
103	M101	Z	4.396	4.396	0	%100
104		X	-2.818	-2.818	0	%100
105	M106	Z	1.627	1.627	0	%100
106	M106	X	-11.272	-11.272	0	%100
107	M113	Ž	6.508	6.508	0	%100
108	M113	X	-2.818	-2.818	0	%100
109	M120	Ž	1.627	1.627	0	%100
110	M120	X	-14.449	-14.449	0	%100
111	M123	Ž	8.342	8.342	0	%100
112	M123	X	-3.612	-3.612	0	%100
113	M124	Z	2.085	2.085	Ö	%100
114	M124		-3.612	-3.612	0	%100
115	M125	X	2.085	2.085	0	%100
116	M125	Z	-12.389	-12.389	0	%100
117	M132	X	7.153	7,153	0	%100
118	M132	Z	-12.389	-12.389	0	%100
119	M133	X		7.153	0	%100
120	M133	Z	7.153	-6.93	0	%100
121	M134	X	-6.93	4.001	0	%100
122	M134	Z	4.001		0	%100 %100
123	M135	X	-6.93	-6.93	0	%100
124	M135	Z	4.001	4.001	0	%100 %100
125	M136	X	-12.389	-12.389	0	%100 %100
126	M136	Z	7.153	7.153		%100 %100
127	M137	X	-12.389	-12.389	0	%100 %100
128	M137	Z	7.153	7.153	0	1 %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,%]
4	M1	X	-11.049	-11.049	0	%100
-		7	0	0	0	%100
2	M1	X	-4.389	-4.389	0	%100
3	M4	<u> </u>	-4.505	0	0	%100
4	M4	Z	-12.592	-12.592	0	%100
5	M10		-12.392	-12.002	0	%100
6	M10		10.500	12.502	0	%100
7	M43	X	-12.592	-12.592	0	%100 %100
8	M43	Z	0	00.070	0	%100 %100
9	M46	X	-20.373	-20.373	0	
10	M46	Z	0	0	0	%100
11	M51B	X	-11.313	-11.313	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	0	0	0	%100
14	M52B	7	0	0	0	%100
	M76	X	-6.791	-6.791	0	%100
15	M76	Z	0	0	0	%100

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

	Member Label	Direction	Start MagnitudeIlb/ft	End Magnitude[lb/ft,F	Start Location[ft %]	End Location[ft,%]
17	M77	X	-20.75	-20.75	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	-21.856	-21.856	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	-6.791	-6.791	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	0	0	0	%100
27	M52A	X	-4.389	-4.389	0	%100
28	M52A	Z	0	0	0	%100
29	M53	X	-12.592	-12.592	0	%100
30	M53	Z	0	0	0	%100
31	M54	X	-12.592	-12.592	0	%100
32	M54	Z	0	0	0	%100
33	M55	X	-20.373	-20.373	0	%100
34	M55	Z	0	0	0	%100
35	M58A	X	0	0	0	%100 %100
36	M58A	Z	0	0	0	%100
37	M59A	X	-11.313	-11.313	0	%100
38	M59A	Z	0	0	0	%100
39	M63	X	-6.791	-6.791	Ö	%100 %100
40	M63	Z	0	0	Ö	%100 %100
41	M64	X	0	0	Ö	%100
42	M64	Z	0	0	Ö	%100 %100
43	M66	X	0	0	Ö	%100
44	M66	Z	0	0	Ö	%100
45	M68	X	-6.791	-6.791	0	%100 %100
46	M68	Z	0	0.751	0	%100 %100
47	M69	X	-20.75	-20.75	. 0	%100 %100
48	M69	Z	0	0	Ö	%100 %100
49	M71	X	-21.856	-21.856	Ö	%100 %100
50	M71	Z	0	0	Ö	%100 %100
51	M76A	X	-17.554	-17.554	Ö	%100 %100
52	M76A	Z	0	0	ő	%100
53	M77A	X	0	0	0	%100 %100
54	M77A	Z	0	Ö	ő	%100 %100
55	M78	X	0	0	Ö	%100 %100
56	M78	Z	0	0	Ö	%100 %100
57	M79A	X	0	Ö	0	%100 %100
58	M79A	Z	0	Ö	ő	%100 %100
59	M82	X	-11.313	-11.313	Ö	%100 %100
60	M82	Z	0	0	0	%100 %100
61	M83A	X	-11.313	-11.313	0	%100 %100
62	M83A	Z	0	0	0	%100 %100
63	M87	X	-27.164	-27.164	0	%100 %100
64	M87	Ž	0	0	0	%100 %100
65	M88A	X	-20.75	-20.75	0	%100 %100
66	M88A	Z	0	-20.73	0	%100 %100
67	M90	X	-21.856	-21.856	0	%100 %100
68	M90	Z	0	0	0	%100 %100
69	M92A	X	-27.164	-27.164	0	%100 %100
70	M92A	Z	0	0	0	
71	M93	X	-20.75	-20.75	0	%100 %100
72	M93	Ž	-20.75	-20.75	0	%100 %100
73	M95	X	-21.856	-21.856	0	%100 %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,%]
74	M95	Z	0	0	0 .	%100
75	M82A	X	-11.049	-11.049	0	%100
76	M82A	Z	0	0	0	%100
77	M91B	X	0	0	0	%100
	M91B	Ž	0	0	0	%100
78	MP4C	X	-10.752	-10.752	0	%100
79	MP4C	Z	0	0	0	%100
80	MP3C	X	-10.752	-10.752	0	%100
81		Ž	0	0	0	%100
82	MP3C	X	-10.752	-10.752	0	%100
83	MP1C	Ž	0	0	0	%100
84	MP1C		-13.016	-13.016	0	%100
85	MP2C	X	-13.010	0	0	%100
86	MP2C	Z	-10.752	-10.752	0	%100
87	MP4B	X		0	0	%100
88	MP4B	Z	0	-10.752	0	%100
89	MP3B	X	-10.752	-10.752	0	%100
90	MP3B	Z	0		0	%100 %100
91	MP1B	X	-10.752	-10.752	0	%100 %100
92	MP1B	Z	0	0	0	%100 %100
93	MP2B	X	-13.016	-13.016		%100 %100
94	MP2B	Z	0	0	0	
95	MP4A	X	-10.752	-10.752	0	%100
96	MP4A	Z	0	0	0	%100
97	MP3A	X	-10.752	-10.752	0	%100
98	MP3A	Z	0	0	0	%100
99	MP1A	X	-10.752	-10.752	0	%100
100	MP1A	Z	0	0	0	%100
101	MP2A	X	-13.016	-13.016	0	%100
102	MP2A	Z	0	0	0	%100
	M101	X	-8.793	-8.793	0	%100
103	M101	Z	0	0	0	%100
104		X	0	0	0	%100
105	M106	Z	0	0	0	%100
106	M106	X	-9.762	-9.762	0	%100
107	M113	Z	0	0	0	%100
108	M113		-9.762	-9.762	0	%100
109	M120	X	-9.762	-9.762	0	%100
110	M120	Z		-12.513	0	%100
111	M123	X	-12.513		0	%100
112	M123	Z	0	0	0	%100
113	M124	X	0		0	%100
114	M124	Z	0	0		%100
115	M125	X	-12.513	-12.513	0	%100 %100
116	M125	Z	0	0	0	
117	M132	X	-16.406	-16.406	0	%100
118	M132	Z	0	0	0	%100
119	M133	X	-16.406	-16.406	0	%100
120	M133	Z	0	0	0	%100
121	M134	X	-10.103	-10.103	0	%100
122	M134	Z	0	0	0	%100
123	M135	X	-10.103	-10.103	0	%100
	M135	Z	0	0	0	%100
124		X	-10.103	-10.103	0	%100
125	M136	Z	0	0	0	%100
126 127	M136 M137	X	-10.103	-10.103	0	%100
	1/17/4/	, X	- 11/ 11/3	1 -10.100		%100

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

4 1	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%
1	M1	X	-3.19	-3.19	0	%100
2	M1	Z	-1.842	-1.842	0	%100
3	M4	X	-11.402	-11.402	0	%100
4	M4	Z	-6.583	-6.583	0	%100
5	M10	X	-3.635	-3.635	0	%100
6	M10	Z	-2.099	-2.099	0	%100
7	M43	X	-3.635	-3.635	0	%100
8	M43	Z	-2.099	-2.099	0	%100
9	M46	X	-5.881	-5.881	0	%100
10	M46	Z	-3.396	-3.396	0	%100
11	M51B	X	-13.063	-13.063	0	%100
12	M51B	Z	-7.542	-7.542	0	%100
13	M52B	X	-3.266	-3.266	Q	%100
14	M52B	Z	-1.885	-1.885	0	%100
15	M76	X	-17.644	-17.644	0	%100
16	M76	Z	-10.187	-10.187	0	%100
17	M77	X	-23.96	-23.96	0	%100
18	M77	Z	-13.834	-13.834	0	%100
19	M80	X	-25.237	-25.237	0	%100
20	M80	Z	-14.571	-14.571	0	%100
21	M84	X	-17.644	-17.644	0	%100
22	M84	Z	-10.187	-10.187	0	%100
23	M85	X	-5.99	-5.99	0	%100
24	M85	Z	-3.458	-3.458	0	%100
25	M91	X	-6.309	-6.309	0	%100
26	M91	Z	-3.643	-3.643	0	%100
27	M52A	X	0	0	Ö	%100
28	M52A	Z	0	0	Ō	%100
29	M53	X	-14.54	-14.54	Ö	%100 %100
30	M53	Z	-8.394	-8.394	0	%100
31	M54	X	-14.54	-14.54	Ö	%100
32	M54	Z	-8.394	-8.394	Ö	%100
33	M55	X	-23.525	-23.525	ŏ	%100
34	M55	Z	-13.582	-13.582	Ö	%100
35	M58A	X	-3.266	-3.266	0	%100
36	M58A	Z	-1.885	-1.885	Ö	%100
37	M59A	X	-3.266	-3.266	0	%100 %100
38	M59A	Z	-1.885	-1.885	Ö	%100
39	M63	X	0	0	0	%100 %100
40	M63	Z	0	0	Ö	%100 %100
41	M64	X	-5.99	-5.99	0	%100
42	M64	Z	-3.458	-3.458	0	%100 %100
43	M66	X	-6.309	-6.309	0	%100 %100
44	M66	Z	-3.643	-3.643	0	%100 %100
45	M68	X	0	0	0	%100
46	M68	Z	0	0	0	%100 %100
47	M69	X	-5.99	-5.99	0	%100 %100
48	M69	Z	-3.458	-3.458	0	%100 %100
49	M71	X	-6.309	-6.309	0	%100
50	M71	Z	-3.643	-3.643	0	%100 %100
51	M76A	X	-11.402	-11.402	0	%100 %100
52	M76A	Z	-6.583	-6.583	0	%100 %100
53	M77A	X	-3.635	-3.635	0	
54	M77A	Z	-2.099	-2.099		%100
55	M78	X	-3.635	-2.099	0	%100 %100
56	M78	Z	-2.099	-2.099	0	%100
57	M79A	X	-5.881	-2.099 -5.881	0	%100 %100



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

	er Distributed Lo Member Label	Direction	Start Magnitude[lb/ft	.End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
58	M79A	Z	-3.396	-3.396	0	%100
59	M82	X	-3.266	-3.266	0	%100
60	M82	Z	-1.885	-1.885	0	%100
61	M83A	X	-13.063	-13.063	0	%100
62	M83A	Z	-7.542	-7.542	0	%100
63	M87	X	-17.644	-17.644	0	%100
	M87	Z	-10.187	-10.187	0	%100
64	M88A	X	-5.99	-5.99	0	%100
65	M88A	Z	-3.458	-3.458	0	%100
66	M90	X	-6.309	-6.309	0	%100
67		Z	-3.643	-3.643	0	%100
68	M90	X	-17.644	-17.644	0	%100
69	M92A		-10.187	-10.187	0	%100
70	M92A	Z	-23.96	-23.96	0	%100
71	M93	X		-13.834	0	%100
72	M93	Z	-13.834	-25.237	0	%100
73	M95	X	-25.237	-14.571	0	%100
74	M95	Z	-14.571		0	%100 %100
75	M82A	X	-12,759	-12.759	0	%100 %100
76	M82A	Z	-7.366	-7.366		%100 %100
77	M91B	X	-3.19	-3.19	0	%100 %100
78	M91B	Z	-1.842	-1.842	0	
79	MP4C	X	-9.312	-9.312	0	%100
80	MP4C	Z	-5.376	-5.376	0	%100
81	MP3C	X	-9.312	-9.312	0	%100
82	MP3C	Z	-5.376	-5.376	0	%100
83	MP1C	X	-9.312	-9.312	0	%100
84	MP1C	Z	-5.376	-5.376	0	%100
85	MP2C	X	-11.272	-11.272	0	%100
86	MP2C	Z	-6.508	-6.508	0	%100
87	MP4B	X	-9.312	-9.312	0	%100
88	MP4B	Z	-5.376	-5.376	0	%100
	MP3B	X	-9.312	-9.312	0	%100
89	MP3B	Z	-5.376	-5.376	0	%100
90		X	-9.312	-9.312	0	%100
91	MP1B	Z	-5.376	-5.376	0	%100
92	MP1B	X	-11.272	-11.272	0	%100
93	MP2B		-6.508	-6.508	0	%100
94	MP2B	Z	-9.312	-9.312	0	%100
95	MP4A	X		-5.376	0	%100
96	MP4A	Z	-5.376	-9.312	0	%100
97	MP3A	X	-9.312	-5.376	0	%100
98	MP3A	Z	-5.376		0	%100
99	MP1A	X	-9.312	-9.312 5.376	0	%100 %100
100	MP1A	Z	-5.376	-5.376	0	%100 %100
101	MP2A	X	-11.272	-11.272		%100 %100
102	MP2A	Z	-6.508	-6.508	0	
103	M101	X	-7.615	-7.615	0	%100
104	M101	Z	-4.396	-4.396	0	%100
105	M106	X	-2.818	-2.818	0	%100
106	M106	Z	-1.627	-1.627	0	%100
107	M113	X	-2.818	-2.818	0	%100
108	M113	Z	-1.627	-1.627	0	%100
109	M120	X	-11.272	-11.272	0	%100
110	M120	Z	-6.508	-6.508	0	%100
	M123		-3.612	-3.612	0	%100
111		Z	-2.085	-2.085	0	%100
112	M123	X	-3.612	-3.612	0	%100
113	M124 M124	Ž	-2.085	-2.085	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,%]
115	M125	X	-14.449	-14.449	0	%100
116	M125	Z	-8.342	-8.342	0	%100
117	M132	X	-12.389	-12.389	0	%100
118	M132	Z	-7,153	-7.153	0	%100
119	M133	X	-12.389	-12.389	0	%100
120	M133	Z	-7.153	-7.153	Ō	%100
121	M134	X	-12.389	-12.389	0	%100
122	M134	Z	-7.153	-7.153	0	%100
123	M135	X	-12.389	-12.389	0	%100
124	M135	Z	-7.153	-7.153	0	%100
125	M136	X	-6.93	-6.93	0	%100
126	M136	Z	-4.001	-4.001	Ö	%100
127	M137	X	-6.93	-6.93	0	%100
128	M137	Z	-4.001	-4.001	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
1	<u>M1</u>	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-8.777	-8.777	0	%100
4	M4	Z	-15.202	-15.202	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	0	0	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	0	0	0	%100
11	M51B	X	-5.656	-5.656	0	%100
12	M51B	Z	-9.797	-9.797	0	%100
13	M52B	X	-5.656	-5.656	0	%100
14	M52B	Z	-9.797	-9.797	0	%100
15	M76	X	-13.582	-13.582	0	%100 %100
16	M76	Z	-23.525	-23.525	0	%100
17	M77	X	-10.375	-10.375	0	%100
18	M77	Z	-17.97	-17.97	Ö	%100 %100
19	M80	X	-10.928	-10.928	0	%100 %100
20	M80	Z	-18.928	-18.928	0	%100 %100
21	M84	X	-13.582	-13.582	0	%100
22	M84	Z	-23.525	-23.525	0	%100 %100
23	M85	X	-10.375	-10.375	0	%100 %100
24	M85	Z	-17.97	-17.97	0	%100 %100
25	M91	X	-10.928	-10.928	0	%100 %100
26	M91	Z	-18.928	-18.928	0	%100 %100
27	M52A	X	-2.194	-2.194	0	%100 %100
28	M52A	Z	-3.801	-3.801	0	%100 %100
29	M53	X	-6.296	-6.296	0	%100 %100
30	M53	Z	-10.905	-10.905	0	%100 %100
31	M54	X	-6.296	-6.296	0	
32	M54	7	-10.905	-10.905	0	%100 %100
33	M55	X	-10.303	-10.187	0	%100 %100
34	M55	Z	-17.644	-17.644	0	%100
35	M58A	X	-5.656	-5.656	0	%100
36	M58A	Z	-9.797	-9.797		%100
37	M59A	X	-9.797		0	%100
38	M59A	Ž	0	0	0	%100
39	M63	X		0	0	%100
00	IVIUU		-3.396	-3.396	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude(lb/ft,F	Start Location[ft,%]	End Location[ft,%
40	M63	Z	-5.881	-5.881	0	%100
41	M64	X	-10.375	-10.375	0	%100
42	M64	Z	-17.97	-17.97	0	%100
43	M66	X	-10.928	-10.928	0	%100
44	M66	Z	-18.928	-18.928	0	%100
45	M68	X	-3.396	-3.396	0	%100
46	M68	Z	-5.881	-5.881	0	%100
47	M69	X	0	0	0	%100
48	M69	Z	0	0	0	%100
49	M71	X	0	0	0	%100
50	M71	Z	0	0	0	%100
51	M76A	X	-2.194	-2.194	00	%100
52	M76A	Z	-3.801	-3.801	0	%100
53	M77A	X	-6.296	-6.296	0	%100
54	M77A	Z	-10.905	-10.905	0	%100
55	M78	X	-6.296	-6.296	0	%100
56	M78	Z	-10.905	-10.905	0	%100
57	M79A	X	-10.187	-10.187	0	%100
58	M79A	Ž	-17.644	-17.644	0	%100
59	M82	X	0	0	0	%100
60	M82	Z	0	0	0	%100
61	M83A	X	-5.656	-5.656	0	%100
62	M83A	Ž	-9.797	-9.797	0	%100
63	M87	X	-3.396	-3.396	0	%100
64	M87	Z	-5.881	-5.881	0	%100
	M88A	X	0	0	0	%100
35	M88A	Z	0	0	0	%100
66	M90	X	0	0	0	%100
67	M90	Ž	Ö	0	0	%100
68 69	M92A	X	-3.396	-3.396	0	%100
	M92A	Z	-5.881	-5.881	0	%100
70	M93	X	-10.375	-10.375	0	%100
71	M93	Z	-17.97	-17.97	0	%100
72		X	-10.928	-10.928	0	%100
73	M95 M95	Ž	-18.928	-18.928	0	%100
74	M82A	X	-5.525	-5.525	0	%100
75	M82A	Z	-9.569	-9.569	0	%100
76		X	-5.525	-5.525	0	%100
77	M91B	Z	-9.569	-9.569	0	%100
78	M91B	X	-5.376	-5.376	0	%100
79	MP4C	Z	-9.312	-9.312	0	%100
80	MP4C	X	-5.376	-5.376	0	%100
81	MP3C	Z	-9.312	-9.312	0	%100
82	MP3C	X	-5.376	-5.376	0	%100
83	MP1C	Z	-9.312	-9.312	0	%100
84	MP1C	X	-6.508	-6.508	0	%100
85	MP2C	Z	-11.272	-11.272	0	%100
86	MP2C	X	-5.376	-5.376	0	%100
87	MP4B		-9.312	-9.312	Ö	%100
88	MP4B	Z	-9.312 -5.376	-5.376	0	%100
89	MP3B	X	-9.312	-9.312	Ö	%100
90	MP3B	Z		-5.376	0	%100
91	MP1B	X	-5.376	-9.312	0	%100
92	MP1B	Z	-9.312	-9.512 -6.508	0	%100
93	MP2B	X	-6.508	-0.508	0	%100
94	MP2B	Z	-11.272		0	%100
95	MP4A	X	-5.376	-5.376	0	%100 %100
96	MP4A	Z	-9.312	-9.312	l U	/0100



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

MP3A MP3A MP1A MP1A MP2A MP2A M101	X Z X Z X Z Z X Z	-5.376 -9.312 -5.376 -9.312 -6.508	-5.376 -9.312 -5.376 -9.312 -5.376 -9.312	0 0 0	%100 %100 %100 %100
MP1A MP1A MP2A MP2A M101	X Z X Z	-5.376 -9.312 -6.508	-9.312 -5.376 -9.312	0	%100 %100
MP1A MP2A MP2A M101	Z X Z	-9.312 -6.508	-5.376 -9.312		%100
MP2A MP2A M101	X	-6.508	-9.312		
MP2A M101	Z				%100
M101			-6.508	0	%100
		-11.272	-11.272	0	%100
M101	X	-4.396	-4.396	0	%100
	Z	-7.615	-7.615	0	%100
M106	X	-4.881	-4.881	0	%100 %100
M106	Z	-8.454	-8.454	Ö	%100 %100
M113	X	0	0.101	0	%100 %100
M113		0			%100 %100
M120					%100 %100
					%100 %100
					%100 %100
	7				%100 %100
	X				%100 %100
M124					%100 %100
M125					%100 %100
	7				%100 %100
					%100 %100
					%100
					%100 %100
	7				
					%100 %100
					%100
					%100
					%100 %100
	M113 M120 M120 M123 M123 M124 M124 M125 M135 M132 M132 M133 M133 M134 M134 M135 M135 M136 M136 M137	M113 Z M120 X M120 Z M123 X M124 X M124 X M125 X M132 X M133 X M134 X M135 X M136 X M137 X	M113 Z 0 M120 X -4.881 M120 Z -8.454 M123 X 0 M123 Z 0 M124 X -6.256 M124 Z -10.836 M125 X -6.256 M125 Z -10.836 M132 X -5.052 M133 X -5.052 M133 X -5.052 M134 X -8.203 M134 X -8.203 M135 X -8.203 M135 X -8.203 M136 X -5.052 M136 X -5.052 M137 X -5.052	M113 Z 0 0 M120 X -4.881 -4.881 M120 Z -8.454 -8.454 M123 X 0 0 M123 Z 0 0 M124 X -6.256 -6.256 M124 Z -10.836 -10.836 M125 X -6.256 -6.256 M125 Z -10.836 -10.836 M132 X -5.052 -5.052 M132 X -5.052 -5.052 M133 X -5.052 -5.052 M133 X -5.052 -5.052 M134 X -8.203 -8.203 M134 X -8.203 -8.203 M135 X -8.203 -8.203 M135 X -8.203 -8.203 M136 X -5.052 -5.052 M136 X -5.052 -5.052 <	M113 Z 0 0 0 M120 X -4.881 -4.881 0 M120 Z -8.454 -8.454 0 M123 X 0 0 0 M123 Z 0 0 0 M123 Z 0 0 0 M124 X -6.256 -6.256 0 M124 Z -10.836 -10.836 0 M125 X -6.256 -6.256 0 M125 X -6.256 -6.256 0 M132 X -5.052 -5.052 0 M132 X -5.052 -5.052 0 M133 X -5.052 -5.052 0 M133 X -5.052 -5.052 0 M134 X -8.203 -8.203 0 M135 X -8.203 -8.203 0 M136 X

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	M1	X	0	0	0	%100
2	M1	Z	-1.051	-1.051	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	-3.358	-3.358	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	991	991	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	991	991	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	-1.352	-1.352	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	995	995	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	-3.98	-3.98	0	%100
15	M76	X	0	0	0	%100
16	M76	Z	-3.99	-3.99	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	-1.35	-1.35	0	%100
19	M80	X	0	0	0	%100 %100
20	M80	Z	-1.409	-1.409	0	%100
21	M84	X	0	0	0	%100 %100



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

	Member Label	Direction		End Magnitude[lb/ft,F		End Location[ft.%
22	M84	Z	-3.99	-3.99	0	%100 %100
23	M85	X	0	0	0	%100
24	M85	Z	-5.4	-5.4	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	-5.636	-5.636	0	%100
27	M52A	X	0	0	0	%100
28	M52A	Z	-3.358	-3.358	0	%100
29	M53	X	0	0	0	%100
	M53	Z	991	991	0	%100
30	M54	X	0	0	0	%100
31		Z	991	991	0	%100
32	M54	X	0	0	0	%100
33	M55	Z	-1.352	-1.352	0	%100
34	M55		-1.352	0	0	%100
35	M58A	X		-3.98	0	%100
36	M58A	Z	-3.98	-3.98	0	%100
37	M59A	X	0		0	%100
38	M59A	Z	995	995		%100
39	M63	X	0	0	0	%100 %100
40	M63	Z	-3.99	-3.99	0	
41	M64	X	0	0	0	%100
42	M64	Z	-5.4	-5.4	0	%100
43	M66	X	0	0	0	%100
44	M66	Z	-5.636	-5.636	0	%100
45	M68	X	0	0	0	%100
	M68	Z	-3.99	-3.99	0	%100
46		X	0	0	0	%100
47	M69	Z	-1.35	-1.35	0	%100
48	M69		0	0	0	%100
49	M71	X	-1.409	-1.409	0	%100
50	M71	Z	0	0	0	%100
51	M76A	X		0	0	%100
52	M76A	Z	0	0	0	%100
53	M77A	X	0		0	%100
54	M77A	Z	-3.965	-3.965		%100 %100
55	M78	X	0	0	0	
56	M78	Z	-3.965	-3.965	0	%100
57	M79A	X	0	0	0	%100
58	M79A	Z	-5.409	-5.409	0	%100
59	M82	X	0	0	0	%100
60	M82	Z	995	995	0	%100
61	M83A	X	0	0	0	%100
62	M83A	Z	995	995	0	%100
	M87	X	0	0	0	%100
63		Z	0	0	0	%100
64	M87	X	0	Ō	0	%100
65	M88A	Z	-1.35	-1.35	0	%100
66	M88A		0	0	0	%100
67	M90	X		-1.409	0	%100
68	M90	Z	-1.409		0	%100 %100
69	M92A	X	0	0	0	%100 %100
70	M92A	Z	0	0		%100 %100
71	M93	X	0	0	0	
72	M93	Z	-1.35	-1.35	0	%100
73	M95	X	0	0	0	%100
74	M95	Z	-1.409	-1.409	0	%100
75	M82A	X	0	0	0	%100
76	M82A	Z	-1.051	-1.051	0	%100
	M91B	X	0	0	0	%100
77 78	M91B	Z	-4.204	-4.204	0	%100



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

70	Member Label	Direction		End Magnitude[lb/ft,F		End Location[ft,%]
79	MP4C	X	0	0	0	%100
80	MP4C	Z	-3.39	-3.39	0	%100
81	MP3C	X	0	0	0	%100
82	MP3C	Z	-3.39	-3.39	0	%100
83	MP1C	X	0	0	0	%100
84	MP1C	Z	-3.39	-3.39	0	%100
85	MP2C	X	0	0	0	%100
86	MP2C	Z	-3.752	-3.752	0	%100
87	MP4B	X	0	0	0	%100
88	MP4B	Z	-3.39	-3.39	0	%100
89	MP3B	X	0	0	0	%100
90	MP3B	Z	-3.39	-3.39	0	%100
91	MP1B	X	0	0	0	%100
92	MP1B	Z	-3.39	-3.39	0	%100
93	MP2B	X	0	0	0	%100
94	MP2B	Z	-3.752	-3,752	0	%100
95	MP4A	X	0	0	0	%100
96	MP4A	Z	-3.39	-3.39	0	%100
97	MP3A	X	0	0	0	%100
98	MP3A	Z	-3.39	-3.39	0	%100
99	MP1A	X	0	0	0	%100
100	MP1A	Z	-3.39	-3.39	0	%100
101	MP2A	X	0	0	0	%100
102	MP2A	Z	-3.752	-3.752	0	%100
103	M101	X	0	0	0	%100
104	M101	Z	-2.786	-2.786	0	%100
105	M106	X	0	0	0	%100
106	M106	Z	-3.752	-3.752	0	%100
107	M113	X	0	0	0	%100
108	M113	Z	938	938	0	%100
109	M120	X	0	0	0	%100
110	M120	Z	938	938	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	984	984	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	-3.937	-3.937	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	984	984	0	%100
117	M132	X	0	0	0	%100
118	M132	Z	-1.999	-1.999	0	%100
119	M133	X	0	0	0	%100
120	M133	Z	-1.999	-1.999	0	%100
121	M134	X	0	0	0	%100
122	M134	Z	-3.573	-3.573	0	%100
123	M135	X	0	0	0	%100
124	M135	Z	-3.573	-3.573	Ö	%100
125	M136	X	0	0	Ŏ	%100
126	M136	Z	-3.573	-3.573	Ö	%100 %100
127	M137	X	0	0	0	%100 %100
128	M137	Z	-3.573	-3.573	Ö	%100 %100

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft.%]	End Location[ft.%]
1	M1	X	1.577	1.577	0	%100
2	M1	Z	-2.731	-2.731	0	%100
3	M4	X	.56	.56	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,%
4	M4	Z	969	969	0	%100
5	M10	X	1.487	1.487	0	%100
6	M10	Z	-2.575	-2.575	0	%100
7	M43	X	1.487	1.487	0	%100
8	M43	Z	-2.575	-2.575	0	%100
9	M46	X	2.028	2.028	0	%100
10	M46	Z	-3.513	-3.513	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	0	0	0	%100
		X	1.492	1.492	0	%100
13	M52B	Ž	-2.585	-2.585	0	%100
14	M52B	X	.665	.665	0	%100
15	M76		-1.152	-1.152	0	%100
16	M76	Z		0	0	%100
17	<u>M77</u>	X	0	0	0	%100
18	M77	Z	0	0	0	%100
19	M80	<u> </u>	0	0	0	%100
20	M80	Z	0		0	%100 %100
21	M84	X	.665	.665		%100 %100
22	M84	Z	-1.152	-1.152	0	%100 %100
23	M85	X	2.025	2.025	0	
24	M85	Z	-3.508	-3.508	0	%100
25	M91	X	2.114	2.114	0	%100
26	M91	Z	-3.661	-3.661	0	%100
27	M52A	X	2.239	2.239	0	%100
28	M52A	Z	-3.878	-3.878	0	%100
29	M53	X	0	0	0	%100
30	M53	Z	0	0	0	%100
31	M54	X	0	0	0	%100
32	M54	Z	0	0	0	%100
33	M55	X	0	0	0	%100
34	M55	Z	0	0	0	%100
35	M58A	X	1.492	1.492	0	%100
	M58A	Z	-2.585	-2.585	0	%100
36	M59A	X	1.492	1.492	0	%100
37		Z	-2.585	-2.585	0	%100
38	M59A	X	2.66	2.66	0	%100
39	M63		-4.607	-4.607	0	%100
40	M63	Z	2.025	2.025	0	%100
41	M64	X		-3.508	Ö	%100
42	M64	Z	-3.508	2.114	0	%100
43	M66	X	2.114	-3.661	0	%100
44	M66	Z	-3.661		0	%100 %100
45	M68	X	2.66	2.66		%100 %100
46	M68	Z	-4.607	-4.607	0	%100 %100
47	M69	X	2.025	2.025	0	% 100
48	M69	Z	-3.508	-3.508	0	%100
49	M71	X	2.114	2.114	0	%100
50	M71	Z	-3.661	-3.661	0	%100
51	M76A	X	.56	.56	0	%100
52	M76A	Z	969	969	0	%100
53	M77A	X	1.487	1.487	0	%100
54	M77A	Z	-2.575	-2.575	0	%100
55	M78	X	1.487	1.487	0	%100
	M78	Z	-2.575	-2.575	0	%100
56		X	2.028	2.028	0	%100
57	M79A	Z	-3.513	-3.513	0	%100
58	M79A	X	1.492	1.492	0	%100
59	M82 M82	Z	-2.585	-2.585	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,%]
61	M83A	X	0	0	Q	%100
62	M83A	Z	0	0	0	%100
63	M87	X	.665	.665	0	%100
64	M87	Z	-1.152	-1.152	0	%100
65	M88A	X	2.025	2.025	0	%100
66	M88A	Z	-3.508	-3.508	0	%100
67	M90	X	2.114	2.114	0	%100
68	M90	Z	-3.661	-3.661	0	%100
69	M92A	X	.665	.665	0	%100
70	M92A	Z	-1.152	-1.152	0	%100
71	M93	X	0	0	0	%100
72	M93	Z	0	0	0	%100
73	M95	X	0	0	0	%100
74	M95	Z	Ö	Ö	0	%100
75	M82A	X	0	O O	Ö	%100
76	M82A	Z	0	Ö	0	%100
77	M91B	X	1.577	1.577	0	%100 %100
78	M91B	Z	-2.731	-2.731	0	%100
79	MP4C	X	1.695	1.695	0	%100 %100
80	MP4C	Z	-2.935	-2.935	0	%100 %100
81	MP3C	X	1.695	1.695	0	%100 %100
82	MP3C	Ž	-2.935	-2.935	0	
83	MP1C	X	1.695			%100
84	MP1C	Ž		1.695	0	%100
85	MP2C	X	-2.935	-2.935	0	%100
86	MP2C	Ź	1.876	1.876	0	%100
87	MP4B		-3.249	-3.249	0	%100
		X	1.695	1.695	0	%100
88	MP4B	Z	-2.935	-2.935	0	%100
	MP3B	X	1.695	1.695	0	%100
90	MP3B	Z	-2.935	-2.935	0	%100
91	MP1B	X	1.695	1.695	0	%100
92	MP1B	Z	-2.935	-2.935	0	%100
93	MP2B	X	1.876	1.876	0	%100
94	MP2B	Z	-3.249	-3.249	0	%100
95	MP4A	X	1.695	1.695	0	%100
96	MP4A	Z	-2.935	-2.935	0	%100
97	MP3A	X	1.695	1.695	0	%100
98	MP3A	Z	-2.935	-2.935	0	%100
99	MP1A	X	1.695	1.695	0	%100
100	MP1A	Z	-2.935	-2.935	0	%100
101	MP2A	X	1.876	1.876	0	%100
102	MP2A	Z	-3.249	-3.249	0	%100
103	M101	X	1.393	1.393	0	%100
104	M101	Z	-2.413	-2.413	0	%100
105	M106	X	1.407	1.407	0	%100
106	M106	Z	-2.437	-2.437	0	%100
107	M113	X	1.407	1.407	0	%100
108	M113	Z	-2.437	-2.437	0	%100
109	M120	X	0	0	0	%100
110	M120	Z	0	0	0	%100
111	M123	X	1.476	1.476	0	%100
112	M123	Z	-2.557	-2.557	0	%100
113	M124	X	1.476	1.476	0	%100
114	M124	Z	-2.557	-2.557	Ö	%100 %100
115	M125	X	0	0	0	%100 %100
116	M125	Z	0	0	0	%100 %100
117	M132	X	1.262	1.262	0	%100 %100



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

	Member Label	Direction	Start Magnitudellb/ft.	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
440		7	-2.185	-2.185	0	%100
118	M132	V	1,262	1.262	0	%100
119	M133		-2.185	-2.185	0	%100
120	M133	- Z	1,262	1.262	0	%100
121	M134	 		-2.185	0	%100
122	M134		-2.185		0	%100
123	M135	X	1.262	1.262	0	%100
124	M135	Z	-2.185	-2.185	0	
125	M136	X	2.049	2.049	0	%100
126	M136	Z	-3.549	-3.549	0	%100
127	M137	X	2.049	2.049	0	%100
128	M137	Z	-3.549	-3.549	0	%100

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

	per Distributed Lo Member Label	Direction	Start Magnitude[lb/ft	.End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
1	M1	X	3.641	3.641	0	%100
2	M1	Z	-2.102	-2.102	0	%100
3	M4	X	0	0	0	%100
4	M4	Ž	0	0	0	%100
	M10	X	3.434	3.434	0	%100
5	M10	Z	-1.982	-1.982	0	%100
	M43	X	3.434	3.434	0	%100
7	M43	Z	-1.982	-1.982	0	%100
8	M46	X	4.684	4.684	0	%100
9	M46	Z	-2.704	-2.704	0	%100
10		X	.862	.862	0	%100
11	M51B	Z	497	497	0	%100
12	M51B	X	.862	.862	0	%100
13	M52B	Ž	497	497	Ů Ů	%100
14	M52B	X	0	0	0	%100
15	M76		0	0	0	%100
16	M76	Z	1.169	1.169	0	%100
17	M77	X	675	675	Ö	%100
18	M77	Z	1.22	1.22	0	%100
19	M80	X		705	0	%100
20	M80	Z	705	705	0	%100
21	M84	X	0	0	0	%100
22	M84	Z	0	1.169	0	%100
23	M85	X	1.169	675	0	%100
24	M85	Z	675		0	%100
25	M91	X	1.22	1.22	0	%100
26	M91	Z	705	705		%100 %100
27	M52A	X	2.908	2.908	0	%100
28	M52A	Z	-1.679	-1.679	0	%100 %100
29	M53	X	.858	.858	0	
30	M53	Z	496	496	0	%100
31	M54	X	.858	.858	0	%100
32	M54	Z	496	496	0	%100
33	M55	X	1.171	1.171	0	%100
34	M55	Z	676	676	0	%100
35	M58A	X	.862	.862	0	%100
36	M58A	Z	497	497	0	%100
37	M59A	X	3,447	3.447	0	%100
38	M59A	Z	-1.99	-1.99	0	%100
39	M63	X	3,455	3.455	0	%100
40	M63	Z	-1.995	-1.995	0	%100
	M64	X	1.169	1.169	0	%100
41	M64	7	675	675	0	%100



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

	Member Label	Direction		End Magnitude[lb/ft,F.	Start Location[ft,%]	End Location[ft,%]
43	M66	X	1.22	1.22	0	%100
44	M66	Z	705	705	0	%100
45	M68	X	3,455	3.455	0	%100
46	M68	Z	-1.995	-1.995	0	%100
47	M69	X	4.677	4.677	0	%100
48	M69	Z	-2.7	-2.7	0	%100
49	M71	X	4.881	4.881	0	%100
50	M71	Z	-2.818	-2.818	0	%100
51	M76A	X	2.908	2.908	0	%100
52	M76A	Z	-1.679	-1.679	0	%100
53	M77A	X	.858	.858	0	%100
54	M77A	Z	496	496	0	%100
55	M78	X	.858	.858	0	%100
56	M78	Z	496	496	0	%100
57	M79A	X	1.171	1.171	0	%100
58	M79A	Z	676	676	0	%100
59	M82	X	3.447	3.447	0	%100
60	M82	Z	-1.99	-1.99	0	%100
61	M83A	X	.862	.862	0	%100
62	M83A	Z	497	497	0	%100
63	M87	X	3.455	3.455	0	%100
64	M87	Z	-1.995	-1.995	0	%100
65	M88A	X	4.677	4.677	Ö	%100
66	M88A	Z	-2.7	-2.7	0	%100 %100
67	M90	X	4.881	4.881	0	%100
68	M90	Z	-2.818	-2.818	0	%100 %100
69	M92A	X	3.455	3.455	0	%100 %100
70	M92A	Z	-1.995	-1.995	0	%100 %100
71	M93	X	1.169	1.169	0	%100 %100
72	M93	Z	675	675	0	%100 %100
73	M95	X	1.22	1.22	0	%100 %100
74	M95	Z	705	705	0	%100 %100
75	M82A	X	.91	.91	0	%100 %100
76	M82A	Z	526	526	0	%100 %100
77	M91B	X	.91	.91	0	%100 %100
78	M91B	Z	526	526	0	%100
79	MP4C	X	2.935	2.935	0	%100 %100
80	MP4C	Z	-1.695	-1.695	0	%100 %100
81	MP3C	X	2.935	2.935	0	
82	MP3C	Z	-1.695	-1.695	0	%100 %100
83	MP1C	X	2.935	2.935	0	%100
84	MP1C	Z	-1.695	-1.695	0	%100
85	MP2C	X	3.249			%100 %100
86	MP2C	Z		3.249	0	%100
87	MP4B	X	-1.876	-1.876	0	%100
88	MP4B	Z	2.935	2.935	0	<u>%100</u>
89	MP3B		-1.695	-1.695	0	%100
90	MP3B	Z	2.935	2.935	0	%100
91	MP1B	X	-1.695	-1.695	0	%100
92	MP1B	Z	2.935	2.935	. 0	%100
93	MP2B		-1.695	-1.695	0	%100
94	MP2B	Z	3.249	3.249	0	%100
95			-1.876	-1.876	0	%100
	MP4A	X	2.935	2.935	0	%100
96	MP4A	Z	-1.695	-1.695	0	%100
97	MP3A	X	2.935	2.935	0	%100
98	MP3A	Z	-1.695	-1.695	0	%100
99	MP1A	X	2.935	2.935	0	%100



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

Monio	Member Label	Direction	Start Magnitude(lb/ft,,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
100	MP1A	7	-1.695	-1.695	0	%100
101	MP2A	X	3.249	3.249	0	%100
	MP2A	7	-1.876	-1.876	0	%100
102	M101	X	2.413	2.413	0	%100
103	M101	Z	-1.393	-1.393	0	%100
104		X	.812	.812	0	%100
105	M106	7	469	- 469	0	%100
106	M106	X	3.249	3,249	0	%100
107	M113	7	-1.876	-1.876	0	%100
108	M113		.812	.812	0	%100
109	M120	X 7	469	469	0	%100
110	M120		3.409	3.409	0	%100
111	M123	X		-1.968	0	%100
112	M123	Z	-1.968	.852	0	%100
113	M124	X	.852	492	0	%100
114	M124	Z	492		0	%100
115	M125	X	.852	.852	0	%100
116	M125	Z	492	492	0	%100 %100
117	M132	X	3.094	3.094	0	%100 %100
118	M132	Z	-1.786	-1.786		%100 %100
119	M133	X	3.094	3.094	0	%100 %100
120	M133	Z	-1.786	-1.786	0	
121	M134	X	1.731	1.731	0	%100
122	M134	Z	999	999	0	%100
123	M135	X	1.731	1.731	0	%100
124	M135	Z	999	999	0	%100
125	M136	X	3.094	3.094	0	%100
126	M136	Z	-1.786	-1.786	0	%100
127	M137	X	3.094	3.094	0	%100
128	M137	7	-1.786	-1.786	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F.,	Start Location[ft,%]	End Location[ft,%
1	M1	X	3.153	3.153	0	%100
-		Z	0	0	0	%100
2	M1	X	1.119	1.119	0	%100
3	M4	7	0	0	0	%100
4	M4	X	2.974	2.974	0	%100
5	M10	7	0	0	0	%100
6	M10		2.974	2.974	0	%100
7	M43	X		0	Ŏ	%100
8	M43	Z	0	4.056	0	%100
9	M46	<u> </u>	4.056	4.050	0	%100
10	M46	Z	0		0	%100
11	M51B	X	2.985	2.985	0	%100
12	M51B	Z	0	0		
13	M52B	X	0	0	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	1.33	1.33	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	4.05	4.05	0	%100
18	M77	Z	0	0	0	%100
	M80	X	4.227	4.227	0	%100
19 20	M80	Z	0	0	0	%100
	M84	X	1.33	1.33	0	%100
21		Z	0	0	0	%100
22	M84	X	0	0	0	%100
23	M85 M85	Z	0	ő	0	%100

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

25	Member Label M91	Direction X		End Magnitude[lb/ft,F		End Location[ft,%]
26	M91	Ž	0	0	0	%100
27	M52A		0	0	0	%100
28	M52A	X	1.119	1.119	0	%100
		Z	0	0	0	%100
29	M53	X	2.974	2.974	0	%100
30	M53	Z	0	0	0	%100
31	M54	X	2.974	2.974	0	%100
32	M54	Z	0	0	0	%100
33	M55	X	4.056	4.056	0	%100
34	M55	Z	Q	0	0	%100
35	M58A	X	0	0	0	%100
36	M58A	Z	0	0	0	%100
37	M59A	X	2.985	2.985	0	%100
38	M59A	Z	0	0	0	%100
39	M63	X	1.33	1.33	0	%100
40	M63	Z	0	0	Ō	%100
41	M64	X	0	0	Ō	%100
42	M64	Z	0	0	Ö	%100 %100
43	M66	X	0	0	0	%100 %100
44	M66	Z	0	0	Ö	%100 %100
45	M68	X	1.33	1.33	0	%100 %100
46	M68	Z	0	0	0	%100
47	M69	X	4.05	4.05		
48	M69	Z	0	0	0	%100
49	M71	X	4.227	4.227	0	%100
50	M71	Ž			0	%100
51	M76A	X	0	0	0	%100
52	M76A	Ż	4.478	4.478	0	%100
53	M77A		0	0	0	%100
54		X	0	0	0	%100
55	M77A M78	Z	0	0	0	%100
		X	0	0	0	%100
56	M78	Z	0	0	0	%100
57	M79A	X	0	0	0	%100
58	M79A	Z	0	0	0	%100
59	M82	X	2.985	2.985	0	%100
60	M82	Z	0	0	0	%100
61	M83A	X	2.985	2.985	0	%100
62	M83A	Z	0	0	0	%100
63	M87	X	5.32	5.32	0	%100
64	M87	Z	0	0	- 0	%100
65	M88A	X	4.05	4.05	0	%100
66	M88A	Z	0	0	0	%100
67	M90	X	4.227	4.227	0	%100
68	M90	Z	0	0	0	%100
69	M92A	X	5.32	5.32	0	%100 %100
70	M92A	Z	0	0	0	%100 %100
71	M93	X	4.05	4.05	0	%100 %100
72	M93	Ž	0	0	0	%100 %100
73	M95	X	4.227	4.227	0	%100 %100
74	M95	Z	0	0	0	%100 %100
75	M82A	X	3.153	3.153	0	%100 %100
76	M82A	Z	0	0		
77	M91B	X	0		0	%100
78	M91B	Z	0	0	0	%100
79	MP4C	X			0	%100
80	MP4C	Z	3.39	3.39	0	%100
81	MP3C	X	0	0	0	%100
UII	IVIE JU	Λ	3.39	3.39	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,%]
82	MP3C	Z	0	0	0	%100
83	MP1C	X	3.39	3.39	0	%100
84	MP1C	Z	0	0	0	%100
85	MP2C	X	3.752	3.752	0	%100
86	MP2C	Z	0	0	0	%100
87	MP4B	X	3.39	3.39	0	%100
	MP4B	Z	0	0	0	%100
88	MP3B	X	3.39	3.39	0	%100
89	MP3B	Z	0	0	0	%100
90	MP1B	X	3.39	3.39	0	%100
	MP1B	Z	0	0	0	%100
92	MP2B	X	3.752	3.752	0	%100
93	MP2B	Z	0	0	0	%100
94	MP4A	X	3.39	3.39	0	%100
95		Z	0.00	0	0	%100
96	MP4A MP3A	X	3.39	3.39	0	%100
97		Z	0.00	0	0	%100
98	MP3A	X	3.39	3,39	0	%100
99	MP1A	Z	0	0	0	%100
100	MP1A	X	3.752	3.752	0	%100
101	MP2A	Z	0	0	0	%100
102	MP2A	X	2.786	2.786	0	%100
103	M101	Ž	0	0	0	%100
104	M101	X	0	0	0	%100
105	M106	Z	0	0	0	%100
106	M106	X	2.814	2.814	0	%100
107	M113	Z	0	0	0	%100
108	M113	X	2.814	2.814	0	%100
109	M120	Ž	0	0	0	%100
110	M120	X	2.953	2.953	0	%100
111	M123	Z	0	0	0	%100
112	M123	X	0	0	0	%100
113	M124	Z	0	0	0	%100
114	M124	X	2.953	2.953	0	%100
115	M125	Z	0	0	0	%100
116	M125	X	4.098	4.098	0	%100
117	M132	Z	4.090	0	0	%100
118	M132	X	4.098	4.098	0	%100
119	M133	Z	4.098	0	Ö	%100
120	M133	X	2.523	2.523	0	%100
121	M134	Z	0	0	0	%100
122	M134	X	2.523	2.523	Ö	%100
123	M135		0	0	Ö	%100
124	M135	Z	2.523	2.523	0	%100
125	M136	X	0	0	Ö	%100
126	M136 M137	Z X	2.523	2.523	0	%100
127						

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

	Manhael abol	Direction	Start Magnitude(lb/ft	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
4	Member Label	V	.91	.91	0	%100
1	M1	7	.526	.526	0	%100
4	M1	- Z	2.908	2.908	0	%100
3	M4		1.679	1.679	0	%100
4	M4	<u> </u>		.858	0	%100
5	M10	<u> </u>	.858	.496	0	%100
6	M10	Z	.496	.490	U	70100



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,%]
7	M43	X	.858	.858	0	%100
8	M43	Z	.496	.496	0	%100
9	M46	X	1.171	1.171	0	%100
10	M46	Z	.676	.676	0	%100
11	M51B	X	3.447	3.447	0	%100
12	M51B	Z	1.99	1.99	0	%100
13	M52B	X	.862	.862	0	%100
14	M52B	Z	.497	.497	0	%100
15	M76	X	3.455	3.455	0	%100
16	M76	Z	1.995	1.995	0	%100
17	M77	X	4.677	4.677	0	%100
18	M77	Z	2.7	2.7	0	%100
19	M80	X	4.881	4.881	0	%100
20	M80	Z	2.818	2.818	0	%100
21	M84	X	3.455	3.455	Ö	%100
22	M84	Z	1.995	1.995	0	%100
23	M85	X	1.169	1.169	0	%100 %100
24	M85	Z	.675	.675	0	%100 %100
25	M91	X	1.22	1.22	Ö	%100 %100
26	M91	Z	.705	.705	Ŏ	%100
27	M52A	X	0	0	0	%100 %100
28	M52A	Z	0	0	0	%100
29	M53	X	3.434	3.434	Ö	%100
30	M53	Z	1.982	1.982	O O	%100
31	M54	X	3.434	3.434	0	%100
32	M54	Z	1.982	1.982	0	%100
33	M55	X	4.684	4.684	0	%100
34	M55	Z	2.704	2.704	0	%100
35	M58A	X	.862	.862	Ö	%100 %100
36	M58A	Z	.497	.497	0	%100 %100
37	M59A	X	.862	.862	0	%100 %100
38	M59A	Z	.497	.497	0	%100 %100
39	M63	X	0	0	0	%100 %100
40	M63	Z	0	0	0	%100 %100
41	M64	X	1.169	1.169	0	%100 %100
42	M64	Z	.675	.675	Ö	%100
43	M66	X	1.22	1.22	0	%100 %100
44	M66	Z	.705	.705	Ö	%100 %100
45	M68	X	0	0	0	%100 %100
46	M68	Z	0	Ö	Ö	%100
47	M69	X	1.169	1.169	0	%100 %100
48	M69	Z	.675	.675	Ö	%100 %100
49	M71	X	1.22	1.22	0	%100 %100
50	M71	Z	.705	.705	Ö	%100 %100
51	M76A	X	2.908	2.908	0	%100 %100
52	M76A	Z	1.679	1.679	0	%100 %100
53	M77A	X	.858	.858	0	%100 %100
54	M77A	Z	.496	.496	0	%100 %100
55	M78	X	.858	.858	0	%100 %100
56	M78	Z	.496	.496	0	%100 %100
57	M79A	X	1.171	1.171	0	%100 %100
58	M79A	Z	.676	.676	0	%100 %100
59	M82	X	.862	.862	0	%100 %100
60	M82	Ž	.497	.497	0	
61	M83A	X	3.447	3.447		%100
62	M83A	Z	1.99	1.99	0	%100
63	M87	X	3.455	3.455	0	%100 %100

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

	Member Label	Direction		End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft.% %100
64	M87	Z	1.995	1.995	0	%100 %100
65	M88A	X	1.169	1.169	0	%100 %100
66	M88A	Z	.675	.675	0	%100 %100
67	M90	X	1.22	1.22	0	%100 %100
68	M90	Z	.705	.705		%100 %100
69	M92A	X	3.455	3.455	0	%100 %100
70	M92A	Z	1.995	1.995	0	%100 %100
71	M93	X	4.677	4.677	0	%100 %100
72	M93	Z	2.7	2.7	0	%100 %100
73	M95	X	4.881	4.881	0	%100 %100
74	M95	Z	2.818	2.818	0	%100 %100
75	M82A	X	3.641	3.641	0	%100 %100
76	M82A	Z	2.102	2.102		%100
77	M91B	X	.91	.91	0	%100 %100
78	M91B	Z	.526	.526	0	%100 %100
79	MP4C	X	2.935	2.935		%100 %100
80	MP4C	Z	1.695	1.695	0	%100 %100
81	MP3C	X	2.935	2.935	0	%100 %100
82	MP3C	Z	1.695	1.695	0	%100 %100
83	MP1C	X	2.935	2.935	0	%100 %100
84	MP1C	Z	1.695	1.695		%100 %100
85	MP2C	X	3.249	3.249	0	%100 %100
86	MP2C	Z	1.876	1.876	0	%100 %100
87	MP4B	X	2.935	2.935	0	%100 %100
88	MP4B	Z	1.695	1.695	0	%100 %100
89	MP3B	X	2.935	2.935	0	
90	MP3B	Z	1.695	1.695	0	%100
91	MP1B	X	2.935	2.935	0	%100
92	MP1B	Z	1.695	1.695	0	%100
93	MP2B	X	3.249	3.249	0	%100 %100
94	MP2B	Z	1.876	1.876	0	%100
95	MP4A	X	2.935	2.935	0	%100 %100
96	MP4A	Z	1,695	1.695	0	%100 %100
97	MP3A	X	2.935	2.935	0	%100
98	MP3A	Z	1.695	1.695	0	%100 %100
99	MP1A	X	2.935	2.935	0	
100	MP1A	Z	1.695	1.695	0	%100 %100
101	MP2A	X	3.249	3.249	0	
102	MP2A	Z	1.876	1.876	0	%100 %100
103	M101	X	2.413	2.413	0	%100 %100
104	M101	Z	1.393	1.393	0	%100
105	M106	X	.812	.812	0	%100
106	M106	Z	.469	.469	0	%100
107	M113	X	.812	.812	0	%100
108	M113	Z	.469	.469	0	%100
109	M120	X	3.249	3.249	0	%100
110	M120	Z	1.876	1.876	0	%100
111	M123	X	.852	.852	0	%100
112	M123	Z	.492	.492	0	%100
113	M124	X	.852	.852	0	%100
114	M124	Z	.492	.492	0	%100
115	M125	X	3.409	3.409	0	%100
116	M125	Z	1.968	1.968	0	%100
117	M132	X	3.094	3.094	0	%100
118	M132	Z	1.786	1.786	0	%100
119	M133	X	3.094	3.094	0	%100
120	M133	Z	1.786	1.786	0	%100



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

	Member Label	Direction	Start MagnitudeIlb/ft	End Magnitude[lb/ft,F	Start Location[ft.%]	End Location[ft,%]
121	M134	X	3.094	3.094	0	%100
122	M134	Z	1.786	1.786	0	%100
123	M135	X	3.094	3.094	Ö	%100
124	M135	Z	1.786	1.786	0	%100
125	M136	X	1.731	1.731	0	%100
126	M136	Z	.999	.999	0	%100
127	M137	X	1.731	1.731	0	%100
128	M137	Z	.999	.999	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	2.239	2.239	0	%100
4	M4	Z	3.878	3.878	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	0	0	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	0	0	0	%100
11	M51B	X	1.492	1.492	0	%100
12	M51B	Z	2.585	2.585	0	%100
13	M52B	X	1.492	1.492	0	%100
14	M52B	Z	2.585	2.585	0	%100
15	M76	X	2.66	2.66	0	%100 %100
16	M76	Z	4.607	4.607	0	%100
17	M77	X	2.025	2.025	0	%100
18	M77	Z	3.508	3.508	Ö	%100
19	M80	X	2,114	2.114	0	%100
20	M80	Z	3.661	3.661	0	%100 %100
21	M84	X	2.66	2.66	0	%100
22	M84	Z	4.607	4.607	Ö	%100 %100
23	M85	X	2.025	2.025	0	%100 %100
24	M85	Z	3.508	3.508	0	%100 %100
25	M91	X	2.114	2.114	0	%100 %100
26	M91	Z	3.661	3.661	0	%100 %100
27	M52A	X	.56	.56	0	%100 %100
28	M52A	Z	.969	.969	Ö	%100 %100
29	M53	X	1.487	1,487	0	%100 %100
30	M53	Z	2.575	2.575	0	%100 %100
31	M54	X	1.487	1.487	0	%100 %100
32	M54	Z	2.575	2.575	0	%100 %100
33	M55	X	2.028	2.028	0	%100 %100
34	M55	Z	3.513	3.513	0	%100 %100
35	M58A	X	1.492	1.492	0	%100 %100
36	M58A	Z	2.585	2.585	0	%100 %100
37	M59A	X	0	0	0	
38	M59A	Z	0	0	0	%100 %100
39	M63	X	.665	.665	0	
40	M63	Z	1.152	1,152	0	%100
41	M64	X	2.025	2.025		%100
42	M64	Z	3.508	3.508	0	%100
43	M66	X	2.114		0	%100
44	M66	Ž	3.661	2.114	0	%100
45	M68	X		3.661	0	%100
70	IVIOO		.665	.665	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%
46	M68	Z	1.152	1.152	0	%100
47	M69	X	0	0	0	%100
48	M69	Z	0	0	0	%100
49	M71	X	0	0	0	%100
50	M71	Z	0	0	0	%100
51	M76A	X	.56	.56	0	%100
52	M76A	Z	.969	.969	0	%100
	M77A	X	1.487	1.487	0	%100
53	M77A	Z	2.575	2.575	0	%100
54		X	1.487	1.487	0	%100
55	M78	Z	2.575	2.575	0	%100
56	M78	X	2.028	2.028	Ö	%100
57	M79A	Z	3.513	3.513	Ŏ	%100
58	M79A		0	0	0	%100
59	M82	X	0	0	Ŏ	%100
60	M82	Z	1.492	1.492	0	%100
61	M83A	X		2.585	0	%100
62	M83A	Z	2.585	.665	0	%100
63	M87	X	.665	1.152	0	%100
64	M87	Z	1.152		0	%100
65	M88A	X	0	0	0	%100
66	M88A	Z	0	0		%100 %100
67	M90	X	0	0	0	%100 %100
68	M90	Z	0	0	0	%100 %100
69	M92A	X	.665	.665	0	
70	M92A	Z	1.152	1.152	0	%100
71	M93	X	2.025	2.025	0	%100
72	M93	Z	3.508	3.508	0	%100
73	M95	X	2.114	2.114	0	%100
74	M95	Z	3.661	3.661	0	%100
75	M82A	X	1.577	1.577	0	%100
76	M82A	Z	2.731	2.731	0	%100
77	M91B	X	1.577	1.577	0	%100
78	M91B	Z	2.731	2.731	0	%100
79	MP4C	X	1.695	1.695	0	%100
80	MP4C	Z	2.935	2.935	0	%100
81	MP3C	X	1.695	1.695	0	%100
82	MP3C	Z	2.935	2.935	0	%100
83	MP1C	X	1.695	1.695	0	%100
	MP1C	Z	2.935	2.935	0	%100
84	MP2C	X	1.876	1.876	0	%100
85		Z	3.249	3.249	0	%100
86	MP2C	X	1.695	1.695	0	%100
87	MP4B		2.935	2.935	0	%100
88	MP4B	Z	1.695	1.695	Ŏ	%100
89	MP3B	X	2.935	2.935	O O	%100
90	MP3B	Z	1.695	1.695	0	%100
91	MP1B	X		2.935	0	%100
92	MP1B	Z	2.935	1.876	0	%100 %100
93	MP2B	X	1.876		0	%100
94	MP2B	Z	3.249	3.249	0	%100 %100
95	MP4A	X	1.695	1.695	0	%100 %100
96	MP4A	Z	2.935	2.935		%100 %100
97	MP3A	X	1.695	1.695	0	
98	MP3A	Z	2.935	2.935	0	%100
99	MP1A	X	1.695	1.695	0	%100
100	MP1A	Z	2.935	2.935	0	%100
101	MP2A	X	1.876	1.876	0	%100
102	MP2A	7	3.249	3.249	0	%100

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

	Member Label	Direction	Start MagnitudeIlb/ft	End Magnitude[lb/ft,F	. Start Location[ft.%]	End Location[ft,%]
103	M101	X	1.393	1.393	0	%100
104	M101	Z	2.413	2.413	0	%100
105	M106	X	1.407	1,407	0	%100
106	M106	Z	2.437	2.437	0	%100
107	M113	X	0	0	0	%100
108	M113	Z	0	0	0	%100
109	M120	X	1.407	1.407	0	%100
110	M120	Z	2.437	2.437	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	1.476	1.476	0	%100
114	M124	Z	2.557	2.557	0	%100
115	M125	X	1,476	1.476	0	%100
116	M125	Z	2.557	2.557	0	%100
117	M132	X	1,262	1.262	0	%100
118	M132	Z	2.185	2.185	0	%100
119	M133	X	1.262	1.262	0	%100
120	M133	Z	2.185	2.185	0	%100
121	M134	X	2.049	2.049	0	%100
122	M134	Z	3.549	3.549	0	%100
123	M135	X	2.049	2.049	0	%100
124	M135	Z	3.549	3.549	Ö	%100
125	M136	X	1.262	1.262	0	%100
126	M136	Z	2.185	2.185	0	%100
127	M137	X	1.262	1.262	0	%100
128	M137	Z	2.185	2.185	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	. Start Location[ft.%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	1.051	1.051	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	3.358	3.358	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	.991	.991	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	.991	.991	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	1.352	1.352	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	.995	.995	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	3.98	3.98	0	%100
15	M76	X	0	0	0	%100
16	M76	Z	3.99	3.99	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	1.35	1.35	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	1.409	1.409	0	%100
21	M84	X	0	0	Ö	%100
22	M84	Z	3.99	3.99	0	%100
23	M85	X	0	0	0	%100 %100
24	M85	Z	5.4	5.4	Ö	%100
25	M91	X	0	0	0	%100 %100
26	M91	Z	5.636	5.636	0	%100
27	M52A	X	0	0.000	0	%100



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

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,%]		
28	M52A	Z	3.358	3.358	0	%100		
29	M53	X	0	0	0	%100		
30	M53	Z	.991	,991	0	%100		
31	M54	X	0	0	0	%100		
32	M54	Z	.991	.991	0	%100		
33	M55	X	0	0	0	%100		
34	M55	Z	1.352	1.352	0	%100		
35	M58A	X	0	0	0	%100		
36	M58A	Z	3.98	3.98	0	%100		
37	M59A	X	0	0	0	%100		
38	M59A	Z	.995	.995	0	%100		
39	M63	X	0	0	0	%100		
40	M63	Z	3.99	3.99	0	%100		
41	M64	X	0	0	0	%100		
	M64	Z	5.4	5.4	0	%100		
42	M66	X	0	0	0	%100		
43	M66	Z	5.636	5.636	0	%100		
44	M68	X	0	0	0	%100		
45	M68	Z	3.99	3.99	0	%100		
46		X	0	0	0	%100		
47	M69	Z	1.35	1.35	0	%100		
48	M69	X	0	0	0	%100		
49	M71	Ž	1.409	1.409	0	%100		
50	M71	X	0	0	0	%100		
51	M76A	Z	0	0	0	%100		
52	M76A	X	0	0	0	%100		
53	M77A		3.965	3.965	0	%100		
54	M77A	Z	0	0	0	%100		
55	M78	Z	3.965	3.965	0	%100		
56	M78		0	0.000	0	%100		
57	M79A	X	5.409	5.409	0	%100		
58	M79A	Z	0	0	0	%100		
59	M82	X	.995	.995	0	%100		
60	M82	Z	.995	0	0	%100		
61	M83A	X	.995	.995	0	%100		
62	M83A	Z		.995	0	%100		
63	M87	X	0	0	0	%100		
64	M87	Z	0	0	0	%100		
65	M88A	X	0	1.35	0	%100		
66	M88A	Z	1.35	0	0	%100		
67	M90	X	0	1.409	0	%100		
68	M90	Z	1.409		0	%100		
69	M92A	X	0	0	0	%100		
70	M92A	Z	0	0	0	%100 %100		
71	M93	X	0		0	%100 %100		
72	M93	Z	1.35	1.35	0	%100 %100		
73	M95	X	0		0	%100		
74	M95	Z	1.409	1.409	0	%100 %100		
75	M82A	X	0	0	0	%100 %100		
76	M82A	Z	1.051	1.051		%100 %100		
77	M91B	X	0	0	0	%100		
78	M91B	Z	4.204	4.204	0	%100 %100		
79	MP4C	X	0	0	0	%100 %100		
80	MP4C	Z	3.39	3.39	0			
81	MP3C	X	0	0	0	%100		
82	MP3C	Z	3.39	3.39	0	%100 %400		
83	MP1C	X	0	0	0	%100 %100		
84	MP1C	Z	3.39	3.39	0	%100		



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

05	Member Label	Direction		End Magnitude[lb/ft,F		End Location[ft,%]
85	MP2C	X	0	0	0	%100
86	MP2C	Z	3.752	3.752	0	%100
87	MP4B	X	0	0	0	%100
88	MP4B	Z	3.39	3.39	0	%100
89	MP3B	X	0	0	0	%100
90	MP3B	Z	3.39	3.39	0	%100
91	MP1B	X	0	0	0	%100
92	MP1B	Z	3.39	3.39	0	%100
93	MP2B	X	0	0	0	%100
94	MP2B	Z	3.752	3.752	0	%100
95	MP4A	X	0	0	0	%100
96	MP4A	Z	3.39	3.39	0	%100
97	MP3A	X	0	0	0	%100
98	MP3A	Z	3.39	3.39	0	%100
99	MP1A	X	0	0	0	%100
100	MP1A	Z	3.39	3.39	0	%100
101	MP2A	X	0	0	0	%100
102	MP2A	Z	3.752	3.752	Ō	%100
103	M101	X	0	0	0	%100
104	M101	Z	2.786	2.786	Ö	%100
105	M106	X	0	0	Ö	%100
106	M106	Z	3.752	3.752	Ö	%100 %100
107	M113	X	0	0	Ö	%100 %100
108	M113	Z	.938	.938	Ö	%100
109	M120	X	0	0	0	%100
110	M120	Z	.938	.938	Ö	%100
111	M123	X	0	0	Ö	%100 %100
112	M123	Z	.984	.984	Ö	%100
113	M124	X	0	0	0	%100 %100
114	M124	Z	3.937	3.937	Ö	%100 %100
115	M125	X	0.00.	0	Ö	%100 %100
116	M125	Z	.984	.984	Ö	%100 %100
117	M132	X	0	0	0	%100 %100
118	M132	Z	1.999	1.999	0	%100 %100
119	M133	X	0	0	0	%100 %100
120	M133	Z	1.999	1.999	Ö	%100
121	M134	X	0	0	0	%100 %100
122	M134	Z	3.573	3.573	0	
123	M135	X	0	0	0	%100 %100
124	M135	Z	3.573	3.573		%100 %100
125	M136	X	3.573		0	%100
126	M136	Ž	3.573	3.573	0	%100
127	M137	X			0	%100
128	M137	7	3.573	3.573	0	%100 %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	M1	X	-1.577	-1.577	0	%100
2	M1	Z	2.731	2.731	0	%100
3	M4	X	56	56	0	%100
4	M4	Z	.969	.969	0	%100
5	M10	X	-1.487	-1.487	0	%100
6	M10	Z	2.575	2.575	0	%100
7	M43	X	-1.487	-1.487	0	%100
8	M43	Z	2.575	2.575	0	%100
9	M46	X	-2.028	-2.028	0	%100



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

10	Member Label	Direction	Start Magnitude[lb/ft,	(210 Deg)) (Col	Start Location(ft %)	End Location[ft,%]
		- 11 W W W W W W W W W W W W W W W W W W	Start Magnitude 10/11	. End Wagnitudehb/it.F	Start Locationint, 701	
	M46	Z	3.513	3.513	0	%100
	M51B	X	0	0	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	-1.492	-1.492	0	%100
14	M52B	Z	2.585	2.585	0	%100
15	M76	X	665	665	0	%100
16	M76	Z	1.152	1.152	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	665	665	0	%100
22	M84	Z	1.152	1.152	0	%100
23	M85	X	-2.025	-2.025	0	%100
24	M85	Z	3.508	3.508	0	%100
25	M91	X	-2.114	-2.114	0	%100
26	M91	Z	3.661	3.661	0	%100
27	M52A	X	-2.239	-2.239	0	%100
28	M52A	Z	3.878	3.878	0	%100
29	M53	X	0	0	0	%100
30	M53	Z	0	0	0	%100
31	M54	X	0	0	0	%100
32	M54	Z	0	0	0	%100
33	M55	X	0	0	0	%100
34	M55	Z	0	0	0	%100
35	M58A	X	-1.492	-1.492	0	%100
36	M58A	Ž	2.585	2.585	0	%100
37	M59A	X	-1.492	-1.492	0	%100
38	M59A	Z	2.585	2.585	0	%100
39	M63	X	-2.66	-2.66	0	%100
40	M63	Z	4.607	4.607	0	%100
41	M64	X	-2.025	-2.025	0	%100
42	M64	Z	3.508	3.508	0	%100
43	M66	X	-2.114	-2.114	0	%100
44	M66	Z	3.661	3.661	0	%100
45	M68	X	-2.66	-2.66	0	%100
46	M68	Z	4.607	4.607	0	%100
47	M69	X	-2.025	-2.025	0	%100
48	M69	Z	3.508	3.508	0	%100
	M71	X	-2.114	-2.114	0	%100
49	M71	Z	3.661	3.661	0	%100
50	M76A	X	56	56	0	%100
51		Z	.969	.969	0	%100
52	M76A	X	-1.487	-1.487	0	%100
53	M77A M77A	Z	2.575	2.575	0	%100
54	M78	X	-1.487	-1.487	0	%100
55	M78	Ž	2.575	2.575	0	%100
56		X	-2.028	-2.028	0	%100
57	M79A	Ž	3.513	3.513	0	%100
58	M79A	X	-1.492	-1.492	0	%100
59	M82	Ž	2.585	2.585	0	%100
60	M82	X	0	0	0	%100
61	M83A	Z	0	Ö	0	%100
62	M83A		665	665	0	%100
63	M87	Z	1.152	1.152	0	%100
64	M87	X	-2.025	-2.025	0	%100
65 66	M88A M88A	Z	3.508	3.508	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F.	Start Location[ft,%]	End Location[ft.%]
67	M90	X	-2.114	-2.114	0	%100
68	M90	Z	3.661	3.661	0	%100
69	M92A	X	665	665	0	%100
70	M92A	Z	1.152	1.152	Q	%100
71	M93	X	0	0	0	%100
72	M93	Z	0	0	0	%100
73	M95	X	0	0	0	%100
74	M95	Z	0	0	0	%100
75	M82A	X	0	0	0	%100
76	M82A	Z	0	0	0	%100
77	M91B	X	-1.577	-1.577	0	%100
78	M91B	Z	2.731	2.731	0	%100
79	MP4C	X	-1.695	-1.695	0	%100
80	MP4C	Z	2.935	2.935	0	%100
81	MP3C	X	-1.695	-1.695	0	%100
82	MP3C	Z	2.935	2.935	0	%100
83	MP1C	X	-1.695	-1.695	. 0	%100
84	MP1C	Z	2.935	2.935	0	%100
85	MP2C	X	-1.876	-1.876	Ö	%100
86	MP2C	Z	3.249	3.249	Ö	%100 %100
87	MP4B	X	-1.695	-1.695	0	%100 %100
88	MP4B	Z	2.935	2.935	Ö	%100 %100
89	MP3B	X	-1.695	-1.695	0	%100 %100
90	MP3B	Z	2.935	2.935	0	%100 %100
91	MP1B	X	-1.695	-1.695	0	%100 %100
92	MP1B	Z	2.935	2.935	0	%100 %100
93	MP2B	X	-1.876	-1.876	0	%100 %100
94	MP2B	Z	3.249	3.249	0	%100
95	MP4A	X	-1.695	-1.695	0	%100 %100
96	MP4A	Z	2.935	2.935	0	%100
97	MP3A	X	-1.695	-1.695	0	%100
98	MP3A	Z	2.935	2.935	0	%100
99	MP1A	X	-1.695	-1.695	0	%100 %100
100	MP1A	Z	2.935	2.935	0	%100 %100
101	MP2A	X	-1.876	-1.876	0	%100 %100
102	MP2A	Z	3.249	3.249	0	%100 %100
103	M101	X	-1.393	-1.393	0	%100
104	M101	Z	2.413	2.413	0	
105	M106	X	-1.407	-1.407	0	%100 %100
106	M106	Z	2.437	2.437		%100
107	M113	X	-1.407	-1.407	0	%100 %100
108	M113	Z	2.437	2.437	0	%100 %100
109	M120	X	0	0		%100 %100
110	M120	Z	0	0	0	%100 %100
111	M123	X	-1.476	-1.476	0	%100 %100
112	M123	Ž	2.557		0	%100 %400
113	M124	X		2.557	0	%100
114	M124	Z	-1.476	-1.476	0	%100
115	M125		2.557	2.557	0	%100
116	M125	X	0	0	0	%100
117	M132	Z	0	0	0	%100
118	M132	X	-1.262	-1.262	0	%100
119	M132 M133	Z	2.185	2.185	0	%100
120		X	-1.262	-1.262	0	%100
	M133	Z	2.185	2.185	0	%100
121	M134	X	-1.262	-1.262	0	%100
	M134	Z	2.185	2.185	0	%100
123	M135	X	-1.262	-1.262	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
124	M135	7	2.185	2.185	0	%100
124	M136	X	-2.049	-2.049	0	%100
120	M136	7	3.549	3.549	0	%100
124 125 126 127	M137	X	-2.049	-2.049	0	%100
128	M137	7	3.549	3.549	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	M1	X	-3.641	-3.641	0	%100
2	M1	Z	2.102	2.102	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	-3.434	-3.434	0	%100
6	M10	Z	1.982	1.982	0	%100
7	M43	X	-3.434	-3.434	0	%100
8	M43	Z	1.982	1.982	0	%100
9	M46	X	-4.684	-4.684	0	%100
10	M46	Z	2.704	2.704	0	%100
11	M51B	X	862	862	0	%100
12	M51B	Z	.497	.497	0	%100
13	M52B	X	862	862	0	%100
14	M52B	Z	.497	.497	0	%100
15	M76	X	0	0	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	-1.169	-1.169	0	%100
18	M77	Z	.675	.675	0	%100
19	M80	X	-1.22	-1.22	0	%100
20	M80	Z	.705	.705	0	%100
21	M84	X	0	0	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	-1.169	-1.169	0	%100
24	M85	Z	.675	.675	0	%100
25	M91	X	-1.22	-1.22	0	%100
26	M91	Z	.705	.705	0	%100
27	M52A	X	-2.908	-2.908	0	%100
28	M52A	Z	1.679	1.679	0	%100
29	M53	X	858	858	0	%100
30	M53	Z	.496	.496	0	%100
31	M54	X	858	858	0	%100
32	M54	Z	.496	.496	0	%100
33	M55	X	-1.171	-1.171	0	%100
34	M55	Ž	.676	.676	0	%100
35	M58A	X	862	862	0	%100
	M58A	Z	.497	.497	0	%100
36	M59A	X	-3.447	-3.447	0	%100
38	M59A	Z	1.99	1.99	0	%100
	M63	X	-3.455	-3.455	0	%100
39 40	M63	Z	1.995	1.995	0	%100
	M64	X	-1.169	-1.169	0	%100
41	M64	Z	.675	.675	0	%100
42	M66	X	-1.22	-1.22	0	%100
43	M66	Ž	.705	.705	0	%100
44		X	-3.455	-3.455	0	%100
45	M68	Ž	1,995	1.995	0	%100
46	M68	X	-4.677	-4.677	0	%100
47	M69	Ž	2.7	2.7	0	%100
48	M69		6.1	for fill		0.000

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,%]
49	M71	X	-4.881	-4.881	0	%100
50	M71	Z	2.818	2.818	0	%100
51	M76A	X	-2.908	-2.908	0	%100
52	M76A	Z	1.679	1.679	0	%100
53	M77A	X	858	858	0	%100
54	M77A	Z	.496	.496	0	%100
55	M78	X	858	858	0	%100
56	M78	Z	.496	.496	0	%100
57	M79A	X	-1.171	-1.171	0	%100
58	M79A	Z	.676	.676	0	%100
59	M82	X	-3.447	-3.447	0	%100
60	M82	Z	1.99	1.99	Ö	%100
61	M83A	X	862	862	0	%100
62	M83A	Z	.497	.497	Ö	%100 %100
63	M87	X	-3.455	-3.455	0	%100 %100
64	M87	Z	1.995	1.995	0	%100 %100
65	M88A	X	-4.677	-4.677	0	%100 %100
66	M88A	Z	2.7	2.7	0	%100 %100
67	M90	X	-4.881	-4.881	0	%100 %100
68	M90	Z	2.818	2.818	0	
69	M92A	X	-3.455	-3.455	0	%100 %100
70	M92A	Z	1.995	1.995	0	
71	M93	X	-1.169			%100
72	M93	Ž	.675	-1.169	0	%100
73	M95	X		.675	0	%100
74	M95	Z	-1.22	-1.22	0	%100
75	M82A		.705	.705	0	%100
76		X	91	91	0	%100
77	M82A M91B	Z	.526	.526	0	%100
78		X	91	91	0	%100
	M91B	Z	.526	.526	0	%100
79	MP4C	X	-2.935	-2.935	0	%100
80	MP4C	Z	1.695	1.695	0	%100
81	MP3C	X	-2.935	-2.935	0	%100
82	MP3C	Z	1.695	1.695	0	%100
83	MP1C	X	-2.935	-2.935	0	%100
84	MP1C	Z	1.695	1.695	0	%100
85	MP2C	X	-3.249	-3.249	0	%100
86	MP2C	Z	1.876	1.876	0	%100
87	MP4B	X	-2.935	-2.935	.0	%100
88	MP4B	Z	1.695	1.695	0	%100
89	MP3B	X	-2.935	-2.935	0	%100
90	MP3B	Z	1.695	1.695	0	%100
91	MP1B	X	-2.935	-2.935	0	%100
92	MP1B	Z	1.695	1.695	0	%100
93	MP2B	X	-3.249	-3.249	0	%100
94	MP2B	Z	1.876	1.876	0	%100
95	MP4A	X	-2.935	-2.935	0	%100
96	MP4A	Z	1.695	1.695	0	%100
97	MP3A	X	-2.935	-2.935	0	%100
98	MP3A	Z	1.695	1.695	0	%100
99	MP1A	X	-2.935	-2.935	Ö	%100 %100
100	MP1A	Z	1.695	1.695	0	%100 %100
101	MP2A	X	-3.249	-3.249	0	%100 %100
102	MP2A	Z	1.876	1.876	0	%100 %100
103	M101	X	-2.413	-2.413	0	%100 %100
104	M101	Z	1.393	1.393	0	%100 %100
105	M106	X	812	812		
_,55	141.100		01Z	OIZ	0	%100



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

m onno	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft.%]	End Location[ft,%]
106	M106	7	.469	.469	0	%100
107	M113	X	-3.249	-3.249	0	%100
108	M113	7	1.876	1.876	0	%100
109	M120	X	812	812	0	%100
	M120	7	.469	.469	0	%100
110	M123	X	-3,409	-3.409	0	%100
111	M123	Z	1.968	1.968	0	%100
112	M124	X	852	852	0	%100
113	M124	Z	.492	.492	0	%100
114		X	852	852	0	%100
115	M125	$\frac{\hat{z}}{z}$.492	492	0	%100
116	M125	X	-3.094	-3.094	0	%100
117	M132	Ž	1.786	1.786	0	%100
118	M132		-3.094	-3.094	0	%100
119	M133	X		1.786	0	%100
120	M133	Z	1.786	-1.731	0	%100
121	M134	X	-1.731	.999	0	%100
122	M134	Z	.999	-1.731	0	%100
123	M135	<u> </u>	-1.731		0	%100
124	M135	Z	.999	.999	0	%100 %100
125	M136	X	-3.094	-3.094	0	%100 %100
126	M136	Z	1.786	1.786		%100 %100
127	M137	X	-3.094	-3,094	0	
128	M137	Z	1.786	1.786	0	%100

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

	er Distributed Lo	Direction		End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
1	M1	X	-3.153	-3.153	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-1.119	-1.119	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	-2.974	-2.974	0	%100
6	M10	Z	0	0	0	%100
7	M43	X	-2.974	-2.974	0	%100
	M43	Z	0	0	0	%100
8	M46	X	-4.056	-4.056	0	%100
		Z	0	0	0	%100
10	M46	X	-2.985	-2.985	0	%100
11	M51B	Ž	0	0	0	%100
12	M51B	X	0	0	0	%100
13	M52B	7	0	0	Ö	%100
14	M52B	X	-1.33	-1.33	0	%100
15	M76	Z	0	0	0	%100
16	M76	X	-4.05	-4.05	Ö	%100
17	M77		-4.03	0	O O	%100
18	M77	Z	-4.227	-4.227	0	%100
19	M80	X	0	0	Ö	%100
20	M80	Z		-1.33	0	%100
21	M84	X	-1.33	-1.33	0	%100 %100
22	M84	Z	0	0	0	%100
23	M85	X	0		0	%100
24	M85	Z	0	0	0	%100 %100
25	M91	X	0	0	0	%100
26	M91	Z	0	0		%100 %100
27	M52A	X	-1.119	-1.119	0	
28	M52A	Z	0	0	0	%100
29	M53	X	-2.974	-2.974	0	%100
30	M53	Z	0	0	0	%100



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

24	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F		End Location[ft,%]
31	M54	X	-2.974	-2.974	0	%100
32	M54	Z	0	0	0	%100
33	M55	X	-4.056	-4.056	0	%100
34	M55	Z	0	0	0	%100
35	M58A	X	0	0	0	%100
36	M58A	Z	0	0	0	%100
37	M59A	X	-2.985	-2.985	0	%100
38	M59A	Z	0	0	0	%100
39	M63	X	-1,33	-1.33	0	%100
40	M63	Z	0	0	0	%100
41	M64	X	0	0	0	%100
42	M64	Z	0	0	0	%100
43	M66	X	0	0	0	%100
44	M66	Z	0	0	0	%100
45	M68	X	-1.33	-1.33	0	%100
46	M68	Z	0	0	0	%100
47	M69	X	-4.05	-4.05	0	%100
48	M69	Z	0	0	0	%100
49	M71	X	-4.227	-4.227	0	%100
50	M71	Z	0	0	0	%100
51	M76A	X	-4.478	-4.478	0	%100
52	M76A	Z	0	0	0	%100
53	M77A	X	0	0	0	%100
54	M77A	Z	0	0	0	%100
55	M78	X	0	0	0	%100
56	M78	Z	0	0	Ö	%100
57	M79A	X	0	0	0	%100
58	M79A	Z	0	0	0	%100
59	M82	X	-2.985	-2.985	Ŏ	%100 %100
60	M82	Z	0	0	Ö	%100
61	M83A	X	-2.985	-2.985	Ŏ	%100
62	M83A	Z	0	0	Ö	%100
63	M87	X	-5.32	-5.32	0	%100 %100
64	M87	Z	0.02	0	0	%100 %100
65	M88A	X	-4.05	-4.05	0	%100 %100
66	M88A	Z	0	0	0	%100 %100
67	M90	X	-4.227	-4.227	0	%100 %100
68	M90	Z	0	0	0	%100 %100
69	M92A	X	-5.32	-5.32	0	%100 %100
70	M92A	Z	0	0	0	%100 %100
71	M93	X	-4.05	-4.05	0	%100 %100
72	M93	Z	0	0	0	%100 %100
73	M95	X	-4.227	-4.227		
74	M95	Z	0	0	0	<u>%100</u>
75	M82A	X	-3.153	-3.153		%100
76	M82A	Ž			0	%100
77	M91B	X	0	0	0	%100
78	M91B	Z	0	0	0	%100
79	MP4C	X	-3.39	-3.39	0	%100
80	MP4C	Z	-3.39		0	%100
81	MP3C	X		0	0	%100
82			-3.39	-3.39	0	%100
83	MP3C MP1C	Z	0	0	0	%100
		X	-3.39	-3.39	0	%100
84	MP1C	Z	0 750	0	0	%100
85	MP2C	X	-3.752	-3.752	0	%100
86	MP2C	Z	0	0	0	%100
87	MP4B	X	-3.39	-3.39	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
88	MP4B	Z	0	0	0	%100
89	MP3B	X	-3.39	-3.39	0	%100
90	MP3B	Z	0	0	0	%100
91	MP1B	X	-3.39	-3.39	0	%100
92	MP1B	Z	0	0	0	%100
93	MP2B	X	-3.752	-3.752	0	%100
94	MP2B	Z	0	0	0	%100
95	MP4A	X	-3.39	-3.39	0	%100
96	MP4A	Z	0	0	0	%100
97	MP3A	X	-3.39	-3.39	0	%100
98	MP3A	Ž	0	0	0	%100
	MP1A	X	-3.39	-3.39	0	%100
99	MP1A	Z	0.00	0	0	%100
	MP1A MP2A	X	-3.752	-3.752	0	%100
101	MP2A	Z	0	0	0	%100
102	M101	X	-2.786	-2.786	0	%100
103		Ž	0	0	0	%100
104	M101 M106	X	0	0	0	%100
105	M106	Z	0	0	0	%100
106		X	-2.814	-2.814	0	%100
107	M113 M113	Z	0	0	0	%100
108	M120	X	-2.814	-2.814	0	%100
109		Z	0	0	0	%100
110	M120	X	-2.953	-2.953	0	%100
111	M123	Ž	0	0	0	%100
112	M123	X	0	0	0	%100
113	M124	Z	0	0	0	%100
114	M124	X	-2.953	-2.953	0	%100
115	M125	Ž	-2.955	0	0	%100
116	M125	X	-4.098	-4.098	o o	%100
117	M132		-4.096	0	Ö	%100
118	M132	Z	-4.098	-4.098	0	%100
119	M133	X Z	-4.096	-4.096	o o	%100
120	M133		-2.523	-2.523	0	%100
121	M134	X		-2.525	0	%100
122	M134	Z	-2.523	-2.523	0	%100
123	M135	X		-2.523	0	%100 %100
124	M135	Z	0 500	-2.523	0	%100 %100
125	M136	X	-2.523	-2.523	0	%100
126	M136	Z	0 500		0	%100 %100
127	M137	<u> </u>	-2.523	-2.523	0	%100
128	M137	Z	0	0	U	70100

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

	Member Label	Direction	Start MagnitudeIlb/ft	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
1	M1	X	91	91	0	%100
2	M1	7	526	526	0	%100
	M4	Y	-2.908	-2.908	0	%100
3	M4	7	-1.679	-1.679	0	%100
4		Y	858	858	0	%100
5	M10	1 2	496	496	0	%100
6	M10		858	858	0	%100
1	M43	7	496	-,496	0	%100
8	M43		-1.171	-1.171	0	%100
9	M46			676	0	%100
10	M46	<u> </u>	676	-3.447	0	%100
11	<u>M51B</u>	X	-3.447	-1.99	0	%100 %100
12	M51B		-1.99	-1.33	9	70100



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,%]
13	M52B	X	862	862	0	%100
14	M52B	Z	497	497	0	%100
15	M76	X	-3.455	-3.455	0	%100
16	M76	Z	-1.995	-1.995	0	%100
17	M77	X	-4.677	-4.677	0	%100
18	M77	Z	-2.7	-2.7	0	%100
19	M80	X	-4.881	-4.881	0	%100
20	M80	Z	-2.818	-2.818	0	%100
21	M84	X	-3.455	-3.455	0	%100
22	M84	Z	-1.995	-1.995	0	%100
23	M85	X	-1.169	-1.169	0	%100
24	M85	Z	675	675	0	%100
25	M91	X	-1.22	-1.22	0	%100
26	M91	Z	705	705	0	%100
27	M52A	X	0	0	0	%100
28	M52A	Z	0	0	0	%100
29	M53	X	-3.434	-3.434	0	%100
30	M53	Z	-1.982	-1.982	0	%100
31	M54	X	-3.434	-3.434	0	%100
32	M54	Z	-1.982	-1.982	0	%100
33	M55	X	-4.684	-4.684	0	%100
34	M55	Z	-2.704	-2.704	0	%100
35	M58A	X	862	862	0	%100
36	M58A	Z	497	497	0	%100
37	M59A	X	862	862	0	%100 %100
38	M59A	Z	497	497	Ö	%100 %100
39	M63	X	0	0	Ö	%100
40	M63	Z	0	0	0	%100
41	M64	X	-1.169	-1.169	0	%100 %100
42	M64	Z	675	675	Ö	%100 %100
43	M66	X	-1.22	-1.22	0	%100 %100
44	M66	Z	705	705	0	%100 %100
45	M68	X	0	0	0	%100 %100
46	M68	Ž	0	0	0	%100 %100
47	M69	X	-1.169	-1.169	0	%100 %100
48	M69	Z	675	675	0	%100 %100
49	M71	X	-1.22	-1,22	0	%100 %100
50	M71	Z	705	705	0	%100
51	M76A	X	-2.908	-2.908	0	%100 %100
52	M76A	Z	-1.679	-1.679	0	
53	M77A	X	858	858	0	%100
54	M77A	Z	496	496	0	%100 %100
55	M78	X	858	858	0	%100
56	M78	Z	496	496	0	%100
57	M79A	X	-1.171			%100
58	M79A	Z	-1.171	-1.171 676	0	%100
59	M82	X	862		0	%100
60	M82	Ž		862	0	%100
61	M83A	X	497	497	0	%100
62	M83A	Z	-3.447	-3.447	0	%100
63	M87	X	-1.99	-1.99	0	%100
64	M87	Z	-3.455	-3.455	0	%100
65	M88A		-1.995	-1.995	0	%100
66		X	-1.169	-1.169	0	%100
67	M88A MOO	Z	675	675	0	%100
68	M90	X	-1.22	-1.22	0	%100
69	M90	Z	705	705	0	%100
09	M92A	X	-3.455	-3.455	0	%100



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

	Member Label	Direction		End Magnitude[lb/ft,F.,	Start Location[ft.%]	End Location[ft,%]
70	M92A	Z	-1.995	-1.995	0	%100
71	M93	X	-4.677	-4.677	0	%100
72	M93	Z	-2.7	-2.7	0	%100
73	M95	X	-4.881	-4.881	00	%100
74	M95	Z	-2.818	-2.818	0	%100
75	M82A	X	-3.641	-3.641	0	%100
76	M82A	Z	-2.102	-2.102	0	%100
77	M91B	X	91	91	0	%100
78	M91B	Z	526	526	0	%100
79	MP4C	X	-2.935	-2.935	0	%100
	MP4C	Z	-1.695	-1.695	0	%100
80	MP3C	X	-2.935	-2.935	0	%100
81	MP3C	Z	-1.695	-1.695	0	%100
82		X	-2.935	-2.935	0	%100
83	MP1C	Z	-1.695	-1.695	0	%100
84	MP1C	X	-3.249	-3.249	0	%100
85	MP2C		-1.876	-1.876	0	%100
86	MP2C	Z	-2.935	-2.935	0	%100
87	MP4B	X	-1.695	-1.695	0	%100
88	MP4B	Z		-2.935	0	%100
89	MP3B	X	-2.935	-1.695	0	%100
90	MP3B	Z	-1.695	-2.935	0	%100
91	MP1B	X	-2.935		0	%100
92	MP1B	Z	-1.695	-1.695	0	%100 %100
93	MP2B	X	-3.249	-3.249	0	%100 %100
94	MP2B	Z	-1.876	-1.876		%100 %100
95	MP4A	X	-2.935	-2.935	0	%100
96	MP4A	Z	-1.695	-1.695	0	%100 %100
97	MP3A	X	-2.935	-2.935	0	
98	MP3A	Z	-1.695	-1.695	0	%100
99	MP1A	X	-2.935	-2.935	0	%100
100	MP1A	Z	-1.695	-1.695	0	%100
101	MP2A	X	-3.249	-3.249	0	%100
102	MP2A	Z	-1.876	-1.876	0	%100
103	M101	X	-2.413	-2.413	0	%100
104	M101	Z	-1.393	-1.393	0	%100
105	M106	X	812	812	0	%100
106	M106	Z	469	469	0	%100
107	M113	X	812	812	0	%100
108	M113	Z	469	469	0	%100
109	M120	X	-3.249	-3.249	0	%100
110	M120	Z	-1.876	-1.876	0	%100
111	M123	X	852	852	0	%100
112	M123	Z	492	492	0	%100
113	M124	X	852	852	0	%100
114	M124	Z	492	492	0	%100
	M125	X	-3.409	-3.409	0	%100
115		Z	-1.968	-1.968	0	%100
116	M125	X	-3.094	-3.094	0	%100
117	M132	Z	-1.786	-1.786	0	%100
118	M132	X	-3.094	-3.094	0	%100
119	M133	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	-1.786	-1.786	0	%100
120	M133	Z		-3.094	0	%100 %100
121	M134	X	-3.094	-3.094	0	%100
122	M134	Z	-1.786		0	%100
123	M135	X	-3.094	-3.094	0	%100
124	M135	Z	-1.786	-1.786		%100 %100
125	M136	X	-1.731	-1.731	0	%100
126	M136	Z	999	999	0	70 100



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.%]
127	M137	X	-1,731	-1.731	0	%100
128	M137	Z	999	999	0	%100

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

1	M1				Start Location[ft,%]	End Location[ft,%]
		X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-2.239	-2.239	0	%100
4	M4	Z	-3.878	-3.878	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	0	0	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	0	0	0	%100
11	M51B	X	-1.492	-1.492	0	%100
12	M51B	Z	-2.585	-2.585	0	%100
13	M52B	X	-1.492	-1.492	0	%100
14	M52B	Z	-2.585	-2.585	0	%100
15	M76	X	-2.66	-2.66	0	%100
16	M76	Z	-4.607	-4.607	0	%100
17	M77	X	-2.025	-2.025	0	%100
18	M77	Z	-3.508	-3.508	0	%100
19	M80	X	-2.114	-2.114	Ō	%100
20	M80	Z	-3.661	-3.661	0	%100
21	M84	X	-2.66	-2.66	Ö	%100
22	M84	Z	-4.607	-4.607	ŏ	%100
23	M85	X	-2.025	-2.025	Ö	%100
24	M85	Z	-3.508	-3.508	Ö	%100
25	M91	X	-2.114	-2.114	Ö	%100
26	M91	Z	-3.661	-3.661	Ö	%100
27	M52A	X	56	56	Ö	%100 %100
28	M52A	Z	969	969	Ö	%100
29	M53	X	-1.487	-1.487	Ö	%100 %100
30	M53	Z	-2.575	-2.575	Ö	%100
31	M54	X	-1.487	-1.487	0	%100 %100
32	M54	Z	-2.575	-2.575	Ö	%100
33	M55	X	-2.028	-2.028	0	%100 %100
34	M55	Z	-3.513	-3.513	ŏ	%100
35	M58A	X	-1.492	-1,492	Ö	%100 %100
36	M58A	Z	-2.585	-2.585	Ö	%100 %100
37	M59A	X	0	0	Ö	%100 %100
38	M59A	Z	Ö	Ö	Ö	%100 %100
39	M63	X	665	665	0	%100 %100
40	M63	Z	-1.152	-1.152	0	%100 %100
41	M64	X	-2.025	-2.025	0	%100 %100
42	M64	Z	-3.508	-3.508	0	%100 %100
43	M66	X	-2.114	-2.114	0	%100 %100
44	M66	Z	-3.661	-3.661	0	%100 %100
45	M68	X	665	-3.665	0	
46	M68	Ž	-1.152	-1.152		%100 %100
47	M69	X			0	%100 %100
48	M69	Ž	0	0	0	%100
49	M71	X	0	0	0	%100
50	M71	Z	0 -	0	0	%100
JUI	M76A	X	56	56	0	%100 %100



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

Member Distributed Loads (BLC 64 : Structure Wi (330 Deg)) (Continued)							
	lember Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]	
52	M76A	Z	969	969	0	%100	
53	M77A	X	-1.487	-1.487	0	%100	
54	M77A	Z	-2.575	-2.575	0	%100	
55	M78	X	-1.487	-1.487	0	%100	
56	M78	Z	-2.575	-2.575	0	%100	
	M79A	X	-2.028	-2.028	0	%100	
57		Z	-3.513	-3.513	0	%100	
58	M79A	X	0	0	0	%100	
59	M82	Z	0	0	0	%100	
60	M82		-1.492	-1.492	0	%100	
61	M83A	X	-2.585	-2.585	0	%100	
62	M83A	Z		665	0	%100	
63	M87	X	665	-1.152	0	%100	
64	M87	Z	-1.152		0	%100	
65	M88A	X	0	0	0	%100	
66	M88A	Z	0	0		%100 %100	
67	M90	X	0	0	0		
68	M90	Z	0	0	0	%100	
69	M92A	X	665	665	0	%100	
70	M92A	Z	-1.152	-1.152	0	%100	
71	M93	X	-2.025	-2.025	0	%100	
72	M93	Z	-3.508	-3.508	0	%100	
73	M95	X	-2.114	-2.114	0	%100	
	M95	Z	-3.661	-3.661	0	%100	
74	M82A	X	-1.577	-1.577	0	%100	
75		Z	-2.731	-2.731	0	%100	
76	M82A	X	-1.577	-1.577	0	%100	
77	M91B		-2.731	-2.731	0	%100	
78	M91B	Z	-1.695	-1.695	0	%100	
79	MP4C	X		-2.935	0	%100	
80	MP4C	Z	-2.935		0	%100	
81	MP3C	X	-1.695	-1.695	0	%100	
82	MP3C	Z	-2.935	-2.935		%100	
83	MP1C	X	-1.695	-1.695	0	%100 %100	
84	MP1C	Z	-2.935	-2.935	0		
85	MP2C	X	-1.876	-1.876	0	%100	
86	MP2C	Z	-3.249	-3.249	0	%100	
87	MP4B	X	-1.695	-1.695	0	%100	
88	MP4B	Z	-2.935	-2.935	0	%100	
89	MP3B	X	-1.695	-1.695	0	%100	
90	MP3B	Z	-2.935	-2.935	0	%100	
	MP1B	X	-1.695	-1.695	0	%100	
91		Z	-2.935	-2.935	0	%100	
92	MP1B	X	-1.876	-1.876	0	%100	
93	MP2B	<u> </u>	-3.249	-3.249	Ö	%100	
94	MP2B	Z		-1.695	0	%100	
95	MP4A	X	-1.695	-2.935	0	%100	
96	MP4A	Z	-2.935		0	%100	
97	MP3A	X	-1.695	-1.695		%100 %100	
98	MP3A	Z	-2.935	-2.935	0	%100 %100	
99	MP1A	X	-1.695	-1.695	0		
100	MP1A	Z	-2.935	-2.935	0	%100	
101	MP2A	X	-1.876	-1.876	0	%100	
102	MP2A	Z	-3.249	-3.249	0	%100	
103	M101	X	-1.393	-1.393	0	%100	
104	M101	Z	-2.413	-2.413	0	%100	
	M106	X	-1.407	-1.407	0	%100	
105		Z	-2.437	-2.437	0	%100	
106	M106	X	0	0	0	%100	
107	M113	Ž	0	0	0	%100	
108	M113	4	<u> </u>				

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.%]
109	M120	X	-1.407	-1.407	0	%100
110	M120	Z	-2.437	-2.437	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	-1.476	-1.476	0	%100
114	M124	Z	-2.557	-2.557	0	%100
115	M125	X	-1.476	-1.476	0	%100
116	M125	Z	-2.557	-2.557	0	%100
117	M132	X	-1.262	-1.262	0	%100
118	M132	Z	-2.185	-2.185	0	%100
119	M133	X	-1.262	-1.262	0	%100
120	M133	Z	-2.185	-2.185	0	%100
121	M134	X	-2.049	-2.049	0	%100
122	M134	Z	-3.549	-3.549	0	%100
123	M135	X	-2.049	-2.049	0	%100
124	M135	Z	-3.549	-3.549	0	%100
125	M136	X	-1.262	-1.262	Ö	%100
126	M136	Z	-2.185	-2.185	0	%100
127	M137	X	-1.262	-1.262	Ö	%100
128	M137	Z	-2.185	-2.185	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	M1	X	0	0	0	%100
2	M1	Z	212	212	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	758	758	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	242	242	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	242	242	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	391	391	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	217	217	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	869	869	0	%100
15	M76	X	0	0	0	%100
16	M76	Z	-1.173	-1.173	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	398	398	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	42	42	0	%100
21	M84	X	0	0	0	%100
22	M84	Z	-1.173	-1.173	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	-1.594	-1.594	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	-1.679	-1.679	0	%100
27	M52A	X	0	0	0	%100
28	M52A	Z	758	758	0	%100
29	M53	X	0	0	0	%100 %100
30	M53	Z	242	242	0	%100
31	M54	X	0	0	0	%100 %100
32	M54	Z	242	242	0	%100
33	M55	X	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft	n (0 Deg)) (Con .End Magnitude[lb/ft.F.	Start Location[ft,%]	End Location[ft,%] %100
34	M55	Z	391	391	0	%100
35	M58A	X	0	0	0	%100
36	M58A	Z	869	869		%100 %100
37	M59A	X	0	0	0	%100 %100
38	M59A	Z	217	217	0	%100 %100
39	M63	X	0	0	0	%100 %100
40	M63	Z	-1.173	-1.173	0	%100 %100
41	M64	X	0	0	0	
42	M64	Z	-1.594	-1.594	0	%100
43	M66	X	0	0	0	%100
44	M66	Z	-1.679	-1.679	0	%100
45	M68	X	0	0	0	%100
46	M68	Z	-1.173	-1.173	0	%100
47	M69	X	0	0	0	%100
48	M69	Z	398	398	0	%100
49	M71	X	0	0	0	%100
50	M71	Z	42	42	0	%100
51	M76A	X	0	0	0	%100
52	M76A	Z	0	0	0	%100
	M77A	X	0	0	0	%100
53	M77A	Z	967	967	0	%100
54	M78	X	0	0	0	%100
55	M78	Z	-,967	967	0	%100
56		X	0	0	0	%100
57	M79A	Z	-1.565	-1.565	0	%100
58	M79A	X	0	0	0	%100
59	M82	Z	217	217	0	%100
60	M82	X	0	0	0	%100
61	M83A	Ž	217	217	0	%100
62	M83A	X	0	0	0	%100
63	M87	Ž	0	Ŏ	0	%100
64	M87	X	0	Ö	0	%100
65	M88A		398	398	0	%100
66	M88A	Z	590	0	0	%100
67	M90	X	42	42	0	%100
68	M90	Z	0	0	0	%100
69	M92A	X	0	0	0	%100
70	M92A	Z	0	0	0	%100
71	M93	X		398	Ö	%100
72	M93	Z	398	0	Ö	%100
73	M95	X	0	42	0	%100
74	M95	Z	42	42	0	%100
75	M82A	X	0	212	0	%100
76	M82A	Z	212	212	0	%100
77	M91B	X	0		0	%100
78	M91B	Z	849	849	0	%100 %100
79	MP4C	X	0	0	0	%100
80	MP4C	Z	619	619	0	%100
81	MP3C	X	0	0		%100
82	MP3C	Z	619	619	0	%100 %100
83	MP1C	X	0	0	0	%100 %100
84	MP1C	Z	619	619	0	
85	MP2C	X	0	0	0	%100
86	MP2C	Z	75	75	0	%100
87	MP4B	X	0	0	0	%100
88	MP4B	Z	619	619	0	%100
89	MP3B	X	0	0	0	%100
90	MP3B	Z	619	619	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F.,	. Start Location(ft.%)	End Location[ft,%]
91	MP1B	X	0	0	0	%100
92	MP1B	Z	619	619	0	%100
93	MP2B	X	0	0	0	%100
94	MP2B	Z	75	75	0	%100
95	MP4A	X	0	0	0	%100
96	MP4A	Z	619	619	0	%100
97	MP3A	X	0	0	0	%100
98	MP3A	Z	619	619	0	%100
99	MP1A	X	0	0	0	%100
100	MP1A	Z	619	619	0	%100
101	MP2A	X	0	0	Ö	%100
102	MP2A	Z	75	75	Ō	%100
103	M101	X	0	0	Ō	%100 %100
104	M101	Z	506	506	Ō	%100 %100
105	M106	X	0	0	0	%100 %100
106	M106	Z	75	75	o o	%100 %100
107	M113	X	0	0	0	%100 %100
108	M113	Z	187	187	0	%100
109	M120	X	0	0	0	%100 %100
110	M120	Z	187	187	0	%100 %100
111	M123	X	0	0	0	%100 %100
112	M123	Z	24	24	Ö	%100
113	M124	X	0	0	0	%100 %100
114	M124	Z	961	961	0	%100 %100
115	M125	X	0	0	0	%100 %100
116	M125	Z	24	24	0	%100
117	M132	X	0	0	0	%100 %100
118	M132	Z	461	461	0	%100
119	M133	X	0	0	0	%100 %100
120	M133	Z	461	461	0	%100 %100
121	M134	X	0	0	0	%100 %100
122	M134	Z	824	824	0	%100 %100
123	M135	X	0	0	0	%100 %100
124	M135	Z	824	824	0	%100 %100
125	M136	X	0	024	0	%100 %100
126	M136	Ž	824	824	0	%100 %100
127	M137	X	0	624	0	
128	M137	Ž	824	824	0	%100 %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	M1	X	.318	.318	0	%100
2	M1	Z	551	551	0	%100
3	M4	X	.126	.126	0	%100 %100
4	M4	Z	219	219	0	%100
5	M10	X	.363	.363	0	%100 %100
6	M10	Z	628	628	0	%100
7	M43	X	.363	.363	0	%100
8	M43	Z	628	628	Ô	%100
9	M46	X	.587	.587	0	%100
10	M46	Z	-1.016	-1.016	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	O O	0	0	%100
13	M52B	X	.326	.326	0	%100 %100
14	M52B	Z	564	564	0	%100 %100
15	M76	X	.196	.196	0	%100 %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,%
16	M76	Z	339	339	0	%100
7	M77	X	0	0	0	%100
18	M77	Z	0	0	0	%100
	M80	X	0	0	0	%100
19	M80	Z	Ŏ	0	0	%100
20		X	.196	.196	0	%100
21	M84	Z	339	339	0	%100
2	M84	X	.598	.598	0	%100
23	M85	Z	-1.035	-1.035	0	%100
24	M85		.629	.629	0	%100
25	M91	X	-1.09	-1.09	0	%100
26	M91	Z	.506	.506	0	%100
7	M52A	X		876	0	%100
28	M52A	Z	876		0	%100
29	M53	X	0	0		%100
30	M53	Z	0	0	0	%100 %100
31	M54	X	0	0	0	
32	M54	Z	0	0	0	%100
33	M55	X	0	0	0	%100
34	M55	Z	0	0	0	%100
35	M58A	X	.326	.326	0	%100
36	M58A	Z	564	564	0	%100
37	M59A	X	.326	.326	0	%100
38	M59A	Z	564	564	0	%100
	M63	X	.782	.782	0	%100
39		Z	-1.355	-1.355	0	%100
0	M63	X	.598	.598	0	%100
1	M64	Z	-1.035	-1.035	0	%100
12	M64	X	.629	.629	0	%100
13	M66		-1.09	-1.09	0	%100
14	M66	Z	.782	.782	0	%100
15	M68	X		-1.355	Ŏ	%100
16	M68	Z	-1.355	.598	0	%100
17	M69	X	.598	-1.035	0	%100
18	M69	Z	-1.035		0	%100
19	M71	X	.629	.629	0	%100 %100
50	M71	Z	-1.09	-1.09		%100 %100
51	M76A	X	.126	.126	0	%100 %100
52	M76A	Z	219	219	0	
53	M77A	X	.363	.363	0	%100
54	M77A	Z	628	628	0	%100
55	M78	X	.363	.363	0	%100
56	M78	Z	628	628	0	%100
57	M79A	X	.587	.587	0	%100
58	M79A	Z	-1.016	-1.016	0	%100
59	M82	X	.326	.326	0	%100
30	M82	Z	564	564	0	%100
61	M83A	X	0	0	0	%100
	M83A	Z	0	0	0	%100
32	M87	X	.196	.196	0	%100
33		Z	339	339	0	%100
54	M87	X	.598	.598	0	%100
55	M88A	Z	-1.035	-1.035	0	%100
56	M88A		.629	.629	Ö	%100
67	M90	X		-1.09	0	%100
68	M90	Z	-1.09	.196	0	%100
69	M92A	X	.196	339	0	%100 %100
70	M92A	Z	339		0	%100 %100
71	M93	X	0	0	0	%100
72	M93	Z	0	0	ı	/0100



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

73	Member Label	Direction		End Magnitude[lb/ft,F.,		End Location[ft,%]
	M95	X	0	0	0	%100
74	M95	Z	0	0	0	%100
75	M82A	X	0	0	0	%100
76	M82A	Z	0	0	0	%100
77	M91B	X	.318	.318	0	%100
78	M91B	Z	551	551	0	%100
79	MP4C	X	.31	.31	0	%100
80	MP4C	Z	536	536	0	%100
81	MP3C	X	.31	.31	0	%100
82	MP3C	Z	536	536	0	%100
83	MP1C	X	.31	.31	0	%100
84	MP1C	Z	536	536	0	%100
85	MP2C	X	.375	.375	0	%100
86	MP2C	Z	649	649	0	%100
87	MP4B	X	.31	.31	0	%100
88	MP4B	Z	536	536	0	%100
89	MP3B	X	.31	.31	0	%100
90	MP3B	Z	536	536	0	%100
91	MP1B	X	.31	.31	0	%100
92	MP1B	Z	536	536	0	%100
93	MP2B	X	.375	.375	0	%100
94	MP2B	Z	649	649	0	%100
95	MP4A	X	.31	.31	0	%100
96	MP4A	Z	536	536	0	%100
97	MP3A	X	.31	.31	0	%100
98	MP3A	Z	536	536	0	%100
99	MP1A	X	.31	.31	0	%100
100	MP1A	Z	536	536	Ō	%100
101	MP2A	X	.375	.375	0	%100
102	MP2A	Z	649	649	Ŏ	%100
103	M101	X	.253	.253	0	%100
104	M101	Z	439	439	0	%100
105	M106	X	.281	.281	Ö	%100
106	M106	Z	487	487	0	%100
107	M113	X	.281	.281	Ö	%100
108	M113	Z	487	487	Ö	%100
109	M120	X	0	0	0	%100 %100
110	M120	Z	0	0	Ö	%100
111	M123	X	.36	.36	0	%100
112	M123	Z	624	624	Ö	%100 %100
113	M124	X	.36	.36	Ö	%100 %100
114	M124	Z	624	624	0	%100
115	M125	X	0	0	0	%100 %100
116	M125	Z	0	Ö	Ö	%100
117	M132	X	.291	.291	0	%100 %100
118	M132	Z	504	504	0	%100 %100
119	M133	X	.291	.291	0	%100 %100
120	M133	Z	504	504	0	%100 %100
121	M134	X	.291	.291	0	%100 %100
122	M134	Z	504	504	0	%100 %100
123	M135	X	.291	.291	0	%100 %100
124	M135	Z	504	504	0	%100 %100
125	M136	X	.472	.472		
126	M136	Ž	818	818	0	%100 %100
127	M137	X	.472	818 .472	0	%100
128	M137	Z	818	818	0	%100 %100

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft.9
1	M1	X	.735	.735	0	%100
2	M1	Z	- 424	424	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	.837	.837	0	%100
6	M10	Z	484	484	0	%100
7	M43	X	.837	.837	0	%100
8	M43	Z	484	484	0	%100
9	M46	X	1.355	1.355	0	%100
10	M46	Z	782	782	0	%100
11	M51B	X	.188	.188	0	%100
12	M51B	Z	109	109	0	%100
13	M52B	X	.188	.188	0	%100
14	M52B	Z	109	109	0	%100
15	M76	X	0	0	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	.345	.345	0	%100
18	M77	Z	199	199	0	%100
19	M80	X	.363	.363	0	%100
20	M80	Z	21	21	0	%100
21	M84	X	0	0	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	.345	.345	0	%100
24	M85	Z	199	199	0	%100
25	M91	X	.363	.363	0	%100
26	M91	Z	21	21	0	%100
27	M52A	X	.657	.657	0	%100
28	M52A	Z	379	379	0	%100
29	M53	X	.209	.209	0	%100
30	M53	Z	121	121	0	%100
31	M54	X	.209	.209	0	%100
32	M54	Z	121	121	0	%100
33	M55	X	.339	.339	0	%100
34	M55	Z	196	196	0	%100
35	M58A	X	.188	.188	0	%100
36	M58A	Z	109	109	0	%100
37	M59A	X	.752	.752	0	%100
38	M59A	Z	434	434	0	%100
39	M63	X	1.016	1.016	0	%100
40	M63	Z	587	587	0	%100
41	M64	X	.345	.345	0	%100
12	M64	Z	199	199	0	%100
43	M66	X	.363	.363	0	%100
14	M66	Z	21	21	0	%100
45	M68	X	1.016	1.016	0	%100
46	M68	Z	587	587	0	%100
47	M69	X	1.38	1.38	0	%100
48	M69	Z	797	797	0	%100
49	M71	X	1.454	1.454	0	%100
50	M71	Z	839	839	0	%100
51	M76A	X	.657	.657	0	%100
52	M76A	Z	379	379	0	%100
53	M77A	X	.209	.209	0	%100
54	M77A	Z	121	121	0	%100
55	M78	X	.209	.209	0	%100
56	M78	Z	121	121	0	%100
57	M79A	X	.339	.339	0	%100

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

	Member Label	Direction	Start MagnitudeIlb/ft	.End Magnitude[lb/ft,F.	Start Location[ft %1	End Location[ft,%]
58	M79A	Z	196	196	0	%100
59	M82	X	.752	.752	0	%100
60	M82	Z	434	434	0	%100
61	M83A	X	.188	.188	0	%100
62	M83A	Z	109	109	0	%100
63	M87	X	1.016	1.016	0	%100
64	M87	Z	587	587	0	%100
65	M88A	X	1.38	1.38	0	%100 %100
66	M88A	Z	797	797	0	%100
67	M90	X	1.454	1.454	0	%100
68	M90	Z	839	839	0	%100
69	M92A	X	1.016	1.016	0	%100
70	M92A	Z	587	587	0	%100
71	M93	X	.345	.345	0	%100
72	M93	Z	199	199	0	%100
73	M95	X	.363	.363	0	%100
74	M95	Z	21	21	0	%100
75	M82A	X	.184	.184	0	%100 %100
76	M82A	Z	106	106	0	%100 %100
77	M91B	X	.184	.184	0	%100 %100
78	M91B	Z	106	106	Ö	%100 %100
79	MP4C	X	.536	.536	0	%100 %100
80	MP4C	Z	31	31	Ö	%100 %100
81	MP3C	X	.536	.536	0	%100 %100
82	MP3C	Z	31	31	Ö	%100 %100
83	MP1C	X	.536	.536	0	%100 %100
84	MP1C	Z	31	31	0	%100 %100
85	MP2C	X	.649	.649	0	%100 %100
86	MP2C	Z	375	375	0	%100 %100
87	MP4B	X	.536	.536	0	%100 %100
88	MP4B	Z	31	31	0	%100 %100
89	MP3B	X	.536	.536	0	%100 %100
90	MP3B	Z	31	31	0	%100 %100
91	MP1B	X	.536	.536	0	%100 %100
92	MP1B	Z	31	31	0	%100 %100
93	MP2B	X	.649	.649	0	%100 %100
94	MP2B	Z	375	375	0	%100 %100
95	MP4A	X	.536	.536	0	%100 %100
96	MP4A	Z	31	31	0	%100
97	MP3A	X	.536	.536	0	%100 %100
98	MP3A	Z	31	31	0	%100 %100
99	MP1A	X	.536	.536	0	%100 %100
100	MP1A	Z	31	31	0	%100 %100
101	MP2A	X	.649	.649	0	%100 %100
102	MP2A	Z	375	375	0	%100 %100
03	M101	X	.439	.439	0	%100 %100
104	M101	Z	253	253	0	%100 %100
05	M106	X	.162	.162	0	%100 %100
06	M106	Z	094	094	0	
07	M113	X	.649	.649	0	%100 %100
08	M113	Z	375	375		
09	M120	X	.162	.162	0	%100
10	M120	Ž	094	094	0	%100
11	M123	X	.832		0	%100
12	M123	Ž	48	.832	0	%100
13	M124	X	.208	48 .208	0 0	%100 %100
	IVI 1 / 4		/UX	. /UX	- 11	V/_1/1/1



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,%]
115	M125	X	.208	.208	0	%100
116	M125	7	-,12	12	0	%100
117	M132	X	.714	.714	0	%100
118	M132	7	412	412	0	%100
119	M133	X	.714	.714	0	%100
120	M133	7	412	412	0	%100
	M134	Y	.399	.399	0	%100
121	M134	7	-,23	23	0	%100
123	M135	X	.399	.399	0	%100
124	M135	7	23	23	0	%100
125	M136	X	.714	.714	0	%100
126	M136	7	412	412	0	%100
127	M137	X	.714	.714	0	%100
128	M137	7	412	412	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft.F	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.636	.636	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	.253	.253	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	.725	.725	0	%100
	M10	Z	0	0	0	%100
7	M43	X	.725	.725	0	%100
-	M43	Z	0	- 0	0	%100
9	M46	X	1,173	1,173	0	%100
		Z	0	0	0	%100
10	M46	X	.652	.652	0	%100
11	M51B	Z	0	0	0	%100
12	M51B	X	0	0	0	%100
13	M52B	Ž	0	0	0	%100
14	M52B		.391	.391	0	%100
15	M76	Z	.391	0	0	%100
16	M76		1.195	1.195	0	%100
17	M77	X		0	0	%100
18	M77	Z	1.259	1.259	0	%100
19	M80	X		0	0	%100
20	M80	Z	0	.391	0	%100
21	M84	X	.391		0	%100
22	M84	Z	0	0	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	0	0		%100 %100
25	M91	X	0	0	0	%100 %100
26	M91	Z	0	0	0	%100 %100
27	M52A	X	.253	.253	0	
28	M52A	Z	0	0	0	%100
29	M53	X	.725	.725	0	%100
30	M53	Z	0	0	0	%100
31	M54	X	.725	.725	0	%100
32	M54	Z	0	0	0	%100
33	M55	X	1.173	1.173	0	%100
34	M55	Z	0	0	0	%100
35	M58A	X	0	0	0	%100
36	M58A	Z	0	0	0	%100
37	M59A	X	.652	.652	0	%100
38	M59A	Z	0	0	0	%100
39	M63	X	.391	.391	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F.,	Start Location[ft.%]	End Location[ft,%]
40	M63	Z	0	0	0	%100
41	M64	X	0	0	0	%100
42	M64	Z	0	0	0	%100
43	M66	X	0	0	0	%100
44	M66	Z	0	0	0	%100
45	M68	X	.391	.391	0	%100
46	M68	Z	0	0	0	%100
47	M69	X	1.195	1.195	0	%100
48	M69	Z	0	0	0	%100
49	M71	X	1.259	1.259	0	%100
50	M71	Z	0	0	0	%100
51	M76A	X	1.011	1.011	0	%100
52	M76A	Z	0	0	0	%100
53	M77A	X	0	0	0	%100
54	M77A	Z	0	0	0	%100
55	M78	X	0	0	0	%100
56	M78	Z	0	0	0	%100
57	M79A	X	0	0	0	%100
58	M79A	Z	0	0	0	%100
59	M82	X	.652	.652	0	%100
60	M82	Z	0	0	0	%100
61	M83A	X	.652	.652	0	%100
62	M83A	Z	0	0	0	%100
63	M87	X	1.565	1.565	0	%100
64	M87	Z	0	0	0	%100
65	M88A	X	1.195	1.195	0	%100
66	M88A	Z	0	0	Ö	%100
67	M90	X	1.259	1.259	0	%100
68	M90	Z	0	0	Ö	%100
69	M92A	X	1.565	1.565	0	%100
70	M92A	Z	0	0	Ŏ	%100
71	M93	X	1.195	1.195	Ō	%100
72	M93	Z	0	0	Ö	%100
73	M95	X	1.259	1.259	0	%100
74	M95	Z	0	0	Ŏ	%100
75	M82A	X	.636	.636	Ō	%100
76	M82A	Z	0	0	Ö	%100
77	M91B	X	0	0	0	%100
78	M91B	Z	0	0	0	%100
79	MP4C	X	.619	.619	0	%100
80	MP4C	Z	0	0	0	%100
81	MP3C	X	.619	.619	0	%100
82	MP3C	Z	0	0	0	%100
83	MP1C	X	.619	.619	Ō	%100
84	MP1C	Z	0	0	Ö	%100
85	MP2C	X	.75	.75	Ö	%100 %100
86	MP2C	Z	0	0	Ŏ	%100 %100
87	MP4B	X	.619	.619	0	%100
88	MP4B	Z	0	0	Ö	%100 %100
89	MP3B	X	.619	.619	0	%100 %100
90	MP3B	Z	0	0	Ö	%100 %100
91	MP1B	X	.619	.619	0	%100
92	MP1B	Z	0	0	0	%100
93	MP2B	X	.75	.75	0	%100 %100
94	MP2B	Z	0	0	0	%100 %100
95	MP4A	X	.619	.619	0	%100 %100
96	MP4A	Ž	0	0	0	%100 %100



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

Mem	ber Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
	/IP3A	X	.619	.619	0	%100
	MP3A	Z	0	0	0	%100
	/P1A	X	.619	.619	0	%100
	/P1A	Z	0	0	0	%100
	MP2A	X	.75	.75	0	%100
	MP2A	Z	0	0	0	%100
	V101	X	.506	.506	0	%100
	V101	Z	0	0	0	%100
	V1106	X	0	0	0	%100
100	M106	Z	0	0	0	%100
100	V1100	X	.562	.562	0	%100
101	V1113	Z	0	0	0	%100
	M120	X	.562	.562	0	%100
	V1120	Z	0	0	0	%100
	V1120 V1123	X	.721	.721	0	%100
	V1123	Z	0	0	0	%100
	VI123	X	0	0	0	%100
	V1124 V1124	Z	0	0	0	%100
	V1124 V1125	X	.721	.721	0	%100
	V1125 V1125	Z	0	0	0	%100
	VI 125 VI 132	X	.945	.945	0	%100
		Z	0	0	0	%100
	M132	X	.945	.945	0	%100
1.10	V1133	Ž	0	0	0	%100
	V133	X	.582	.582	0	%100
	M134	Z	.302	0	0	%100
	M134	X	.582	.582	0	%100
	M135	Z	.362	0	0	%100
and the same of th	M135		.582	.582	0	%100
	M136	X	.502	0	0	%100
	M136	Z	.582	.582	0	%100
	M137	X		.302	0	%100
128	M137	Z	0		<u> </u>	70100

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	M1	X	.184	.184	0	%100
2	M1	Z	.106	.106	0	%100
3	M4	X	.657	.657	0	%100
4	M4	7	.379	.379	0	%100
5	M10	X	.209	.209	0	%100
6	M10	7	.121	.121	0	%100
7	M43	X	.209	.209	0	%100
8	M43	7	.121	.121	0	%100
	M46	X	.339	.339	0	%100
9	M46	7	.196	.196	0	%100
10	M51B	X	.752	.752	0	%100
11		7	.434	.434	0	%100
12	M51B	X	.188	.188	0	%100
13	M52B	7	109	.109	0	%100
14	M52B	X	1.016	1.016	0	%100
15	M76	7	.587	.587	0	%100
16	M76	X	1.38	1.38	0	%100
17	<u>M77</u>	7	.797	.797	0	%100
18	M77		1.454	1.454	0	%100
19	M80	X	.839	.839	0	%100
20	M80	Z		1.016	0	%100
21	M84	X	1.016	1 1.010		/3100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F.,	. Start Location[ft,%]	End Location[ft,%]
22	M84	Z	.587	.587	0	%100
23	M85	X	.345	.345	0	%100
24	M85	Z	.199	.199	0	%100
25	M91	X	.363	.363	0	%100
26	M91	Z	.21	.21	0	%100
27	M52A	X	0	0	0	%100
28	M52A	Z	0	0	0	%100
29	M53	X	.837	.837	0	%100
30	M53	Z	.484	.484	0	%100
31	M54	X	.837	.837	0	%100
32	M54	Z	.484	.484	0	%100
33	M55	X	1.355	1.355	0	%100
34	M55	Z	.782	.782	0	%100
35	M58A	X	.188	.188	0	%100
36	M58A	Z	.109	.109	0	%100
37	M59A	X	.188	.188	0	%100
38	M59A	Z	.109	.109	0	%100
39	M63	X	0	0	Ö	%100
40	M63	Z	O O	O O	Ö	%100
41	M64	X	.345	.345	0	%100
42	M64	Z	.199	.199	Ö	%100
43	M66	X	.363	.363	Ö	%100 %100
44	M66	Z	.21	.21	Ö	%100
45	M68	X	0	0	Ö	%100
46	M68	Z	0	Ö	Ö	%100
47	M69	X	.345	.345	Ö	%100
48	M69	Z	.199	.199	0	%100
49	M71	X	.363	.363	0	%100 %100
50	M71	Z	.21	.21	ő	%100 %100
51	M76A	X	.657	.657	Ö	%100 %100
52	M76A	Ž	.379	.379	Ö	%100 %100
53	M77A	X	.209	.209	0	%100 %100
54	M77A	Z	.121	.121	0	%100 %100
55	M78	X	.209	.209	0	%100 %100
56	M78	Z	.121	.121	0	%100 %100
57	M79A	X	.339	.339	0	%100 %100
58	M79A	Z	.196	.196	0	%100
59	M82	X	.188	.188	0	%100 %100
60	M82	Z	.109	.109	Ö	%100 %100
61	M83A	X	.752	.752	0	%100 %100
62	M83A	Z	.434	.434	Ö	%100 %100
63	M87	X	1.016	1.016	0	%100 %100
64	M87	7	.587	.587		
65	M88A	X	.345	.345	0	%100
66	M88A	Z	.199	.199		%100
67	M90	X	.363	.363	0	%100 %100
68	M90	Z	.21		0	%100 %100
69	M92A	X	1.016	.21	0	%100
70	M92A	Z	.587	1.016	0	%100 %100
71	M93	X		.587	0	%100
72	M93	Z	1.38	1.38	0	%100
73	M95		.797	.797	0	%100
74		X	1.454	1.454	0	%100
75	M95	Z	.839	.839	0	%100
	M82A	X	.735	.735	0	%100
76	M82A	Z	.424	.424	0	%100
77	M91B	X	.184	.184	0	%100
78	M91B	Z	.106	.106	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F.,	Start Location[ft,%]	End Location[ft,%
79	MP4C	X	.536	.536	0	%100
80	MP4C	Z	.31	.31	0	%100
81	MP3C	X	.536	.536	0	%100
82	MP3C	Z	.31	.31	0	%100
83	MP1C	X	.536	.536	0	%100
84	MP1C	Z	.31	.31	0	%100
85	MP2C	X	.649	.649	0	%100
86	MP2C	Z	.375	.375	Q	%100
87	MP4B	X	.536	.536	0	%100
88	MP4B	Z	.31	.31	0	%100
89	MP3B	X	.536	.536	0	%100
90	MP3B	Z	.31	.31	0	%100
91	MP1B	X	.536	.536	0	%100
92	MP1B	Z	,31	.31	0	%100
93	MP2B	X	.649	.649	0	%100
	MP2B	Ž	.375	.375	0	%100
94	MP4A	X	.536	.536	0	%100
95	MP4A	Ž	.31	.31	0	%100
96	MP3A	X	.536	.536	0	%100
97	MP3A	Z	.31	.31	0	%100
98	MP1A	X	.536	.536	0	%100
99		Z	.31	.31	0	%100
100	MP1A	X	.649	.649	0	%100
101	MP2A	Z	.375	.375	0	%100
102	MP2A	X	.439	.439	0	%100
103	M101	Z	.253	.253	0	%100
104	M101	X	.162	.162	0	%100
105	M106	Z	.094	.094	0	%100
106	M106	X	.162	.162	0	%100
107	M113	Z	.094	.094	0	%100
108	M113	X	.649	.649	0	%100
109	M120	Z	.375	.375	0	%100
110	M120	X	.208	.208	0	%100
111	M123	Ž	.12	.12	0	%100
112	M123	X	.208	.208	0	%100
113	M124	Ž	.12	.12	0	%100
114	M124		.832	.832	Ö	%100
115	M125	Z	.48	.48	0	%100
116	M125		.714	.714	0	%100
117	M132	X	.412	.412	Ō	%100
118	M132	Z	.714	.714	Ö	%100
119	M133	X	.412	.412	Ö	%100
120	M133	Z		.714	Ö	%100
121	M134	X	.714	.412	0	%100
122	M134	Z		.714	0	%100
123	M135	X	.714	.412	0	%100
124	M135	Z	.412	.399	0	%100
125	M136	X	.399	.23	0	%100
126	M136	Z	.23		0	%100
127	M137	X	.399	.399	Ö	%100

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

	Mambar Labal	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft.%]
4	Member Label	Y	0	0	0	%100
1	<u>M1</u>	7	0	0	0	%100
2	M1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	.506	.506	n	%100
3 I	M4	X	.506	.500		10.100

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,%
4	M4	Z	.876	.876	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	0	0	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	0	0	0	%100
11	M51B	X	.326	.326	0	%100
12	M51B	Z	.564	.564	0	%100
13	M52B	X	.326	.326	Ö	%100
14	M52B	Z	.564	.564	0	%100
15	M76	X	.782	.782	0	%100
16	M76	Z	1.355	1.355	o o	%100
17	M77	X	.598	.598	0	%100 %100
18	M77	Z	1.035	1.035	Ö	%100
19	M80	X	.629	.629	0	%100 %100
20	M80	Z	1.09	1.09	Ö	%100
21	M84	X	.782	.782	0	%100 %100
22	M84	Z	1.355	1.355	0	%100 %100
23	M85	X	.598	.598	0	%100 %100
24	M85	Z	1.035	1.035	0	%100 %100
25	M91	X	.629	.629	0	%100 %100
26	M91	Z	1.09	1.09	0	%100
27	M52A	X	.126	.126	0	%100 %100
28	M52A	Z	.219	.219	0	%100 %100
29	M53	X	.363	.363	0	%100 %100
30	M53	Z	.628	.628	0	%100 %100
31	M54	X	.363	.363	0	%100 %100
32	M54	Z	.628	.628	0	%100 %100
33	M55	X	.587	.587	0	%100 %100
34	M55	Z	1.016	1.016	0	%100 %100
35	M58A	X	.326	.326	0	
36	M58A	Z	.564	.564	0	%100 %100
37	M59A	X	0	0	0	%100 %100
38	M59A	Z	Ö	0	0	%100 %100
39	M63	X	.196	.196	0	%100 %100
40	M63	Z	.339	.339	Ö	%100 %100
41	M64	X	.598	.598	0	
42	M64	Ž	1.035	1.035	0	%100
43	M66	X	.629	.629	0	%100 %100
14	M66	Z	1.09			%100 %100
45	M68	X	.196	1.09	0	%100
46	M68	Z	.339	.196 .339	0	%100 %100
47	M69	X			0	%100
48	M69	Ž	0	0	0	%100
19	M71	X	0	0	0	%100
50	M71	Ž	0		0	%100
51	M76A	X		0	0	%100
52	M76A	Z	.126	.126	0	%100
53	M77A		.219	.219	0	%100
54		X	.363	.363	0	%100
55	M77A	Z	.628	.628	0	%100
56	M78 M78	X	.363	.363	0	%100
		Z	.628	.628	0	%100
57	M79A	X	.587	.587	0	%100
58	M79A	Z	1.016	1.016	0	%100
59	M82	X	0	0	0	%100
60	M82	Z	0	0	0	%100



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

	Member Label	Direction	0 : Structure Wn Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%
61	M83A	X	.326	.326	0	%100
62	M83A	Z	.564	.564	0	%100
63	M87	X	.196	.196	0	%100
64	M87	Z	.339	.339	0	%100
65	M88A	X	0	0	0	%100
	M88A	Ž	0	0	0	%100
66		X	0	0	0	%100
67	M90	Z	0	0	0	%100
68	M90	X	.196	.196	0	%100
69	M92A		.339	.339	0	%100
70	M92A	Z	.598	.598	0	%100
71	M93	X	1.035	1.035	Ö	%100
72	M93	Z		.629	0	%100
73	M95	X	.629		0	%100
74	M95	Z	1.09	1.09	0	%100 %100
75	M82A	X	.318	.318		%100 %100
76	M82A	Z	.551	.551	0	%100 %100
77	M91B	X	.318	.318	0	
78	M91B	Z	.551	.551	0	%100
79	MP4C	X	.31	.31	0	%100
80	MP4C	Z	.536	.536	0	%100
81	MP3C	X	.31	.31	0	%100
82	MP3C	Z	.536	.536	0	%100
83	MP1C	X	.31	.31	0	%100
84	MP1C	Z	.536	.536	0	%100
35	MP2C	X	.375	.375	0	%100
	MP2C	Z	.649	.649	0	%100
36		X	.31	.31	0	%100
87	MP4B	Z	.536	.536	0	%100
88	MP4B	X	.31	.31	0	%100
89	MP3B		.536	.536	0	%100
90	MP3B	Z	.31	.31	0	%100
91	MP1B	X		.536	0	%100
92	MP1B	Z	.536		0	%100
93	MP2B	X	.375	.375	0	%100 %100
94	MP2B	Z	.649	.649		%100 %100
95	MP4A	X	.31	.31	0	%100 %100
96	MP4A	Z	.536	.536	0	%100 %100
97	MP3A	X	.31	.31	0	
98	MP3A	Z	.536	.536	0	%100
99	MP1A	X	.31	.31	0	%100
00	MP1A	Z	.536	.536	0	%100
01	MP2A	X	.375	.375	0	%100
02	MP2A	Z	.649	.649	0	%100
03	M101	X	.253	.253	0	%100
04	M101	Z	.439	.439	0	%100
	M106	X	.281	.281	0	%100
05		Z	.487	.487	0	%100
06	M106	X	0	0	0	%100
07	M113	Z	0	0	0	%100
08	M113		.281	.281	0	%100
09	M120	X		.487	0	%100
10	M120	Z	.487		0	%100 %100
11	M123	X	0	0	0	%100 %100
12	M123	Z	0	0		
13	M124	X	.36	.36	0	%100
14	M124	Z	.624	.624	0	%100
115	M125	X	.36	.36	0	%100
16	M125	Z	.624	.624	0	%100
117	M132	X	.291	.291	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,%]
118	M132	Z	.504	.504	0	%100
119	M133	X	.291	.291	0	%100
120	M133	Z	.504	.504	0	%100
121	M134	X	.472	.472	0	%100
122	M134	Z	.818	.818	0	%100
123	M135	X	.472	.472	0	%100
124	M135	Z	.818	.818	0	%100
125	M136	X	.291	.291	0	%100
126	M136	Z	.504	.504	0	%100
127	M137	X	.291	.291	0	%100
128	M137	Z	.504	.504	0	%100

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

	Member Label	Direction		End Magnitude[lb/ft.F.,		End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	.212	.212	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	.758	.758	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	.242	.242	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	.242	.242	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	.391	.391	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	.217	.217	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	.869	.869	0	%100
15	M76	X	0	0	0	%100
16	M76	Z	1.173	1.173	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	.398	.398	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	.42	.42	0	%100
21	M84	X	0	0	0	%100
22	M84	Z	1.173	1.173	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	1.594	1.594	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	1.679	1.679	0	%100
27	M52A	X	0	0	0	%100
28	M52A	Z	.758	.758	0	%100
29	M53	X	0	0	0	%100
30	M53	Z	.242	.242	0	%100
31	M54	X	0	0	0	%100
32	M54	Z	.242	.242	0	%100
33	M55	X	0	0	0	%100
34	M55	Z	.391	.391	Ö	%100 %100
35	M58A	X	0	0	0	%100 %100
36	M58A	Z	.869	.869	0	%100 %100
37	M59A	X	0	0	0	%100 %100
38	M59A	Z	.217	.217	0	%100 %100
39	M63	X	0	0	0	%100 %100
40	M63	Z	1.173	1.173	0	%100 %100
41	M64	X	0	0	0	%100 %100
42	M64	Z	1.594	1.594	0	%100 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,		Continued) F.,. Start Location[ft,%]	End Location[ft.%
13	M66	X	0	0	0	%100 %100
14	M66	Z	1.679	1.679	0	%100 %100
15	M68	X	0	0	0	%100 %100
16	M68	Z	1.173	1.173	0	
17	M69	X	0	0	0	%100 %100
18	M69	Z	.398	.398	0	%100
19	M71	X	0	0	0	%100
50	M71	Z	.42	.42	0	%100
51	M76A	X	0	0	0	%100
2	M76A	Z	0	0	0	%100
53	M77A	X	0	0	0	%100
54	M77A	Z	.967	.967	0	%100
55	M78	X	0	0	0	%100
56	M78	Z	.967	.967	0	%100
57	M79A	X	0	0	0	%100
58	M79A	Z	1.565	1.565	0	%100
59	M82	X	0	0	0	%100
30	M82	Z	.217	.217	0	%100
31	M83A	X	0	0	0	%100
52	M83A	Ž	.217	.217	0	%100
	M87	X	0	0	0	%100
33	M87	Z	0	0	0	%100
64		X	Ö	0	0	%100
35	M88A M88A	Ž	.398	.398	0	%100
66		X	0	0	0	%100
67	M90	Ž	.42	.42	0	%100
86	M90	X	0	0	0	%100
39	M92A	Z	0	0	0	%100
70	M92A	X	0	0	0	%100
71	M93	Ž	.398	.398	0	%100
72	M93	X	0	0	0	%100
73	M95	Ž	.42	.42	0	%100
74	M95	X	0	0	0	%100
75	M82A		.212	.212	0	%100
76	M82A	Z	0	0	0	%100
77	M91B	X	.849	.849	Ů 0	%100
78	M91B	Z	0	0	0	%100
79	MP4C	X	.619	.619	Ö	%100
80	MP4C	Z	0	0	0	%100
81	MP3C	X	.619	.619	ŏ	%100
82	MP3C	Z		0	0	%100
83	MP1C	X	0	.619	Ö	%100
84	MP1C	Z	.619	.019	0	%100
85	MP2C	X	0 75	.75	0	%100
86	MP2C	Z	.75	0	0	%100
87	MP4B	X	0	.619	0	%100
88	MP4B	Z	.619		0	%100
89	MP3B	X	0	0	0	%100
90	MP3B	Z	.619	.619	0	%100
91	MP1B	X	0	0	0	%100 %100
92	MP1B	Z	.619	.619		%100 %100
93	MP2B	X	0	0	0	%100
94	MP2B	Z	.75	.75	0	
95	MP4A	X	0	0	0	%100
96	MP4A	Z	.619	.619	0	%100
97	MP3A	X	0	0	0	%100
98	MP3A	Z	.619	.619	0	%100
99	MP1A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.	End Magnitude[lb/ft,F	Start Location Ift %1	End Location[ft,%]
100	MP1A	Z	.619	.619	0	%100
101	MP2A	X	0	0	0	%100
102	MP2A	Z	.75	.75	0	%100
103	M101	X	0	0	0	%100
104	M101	Z	.506	.506	0	%100
105	M106	X	0	0	0	%100
106	M106	Z	.75	.75	0	%100
107	M113	X	0	0	0	%100 %100
108	M113	Z	.187	.187	0	%100 %100
109	M120	X	0	0	0	%100 %100
110	M120	Z	.187	.187	0	%100 %100
111	M123	X	0	0	0	%100 %100
112	M123	Z	.24	.24	0	%100 %100
113	M124	X	0	0	0	%100 %100
114	M124	Z	.961	.961	0	%100 %100
115	M125	X	0	0	0	%100 %100
116	M125	Z	.24	.24	0	%100 %100
117	M132	X	0	0	0	%100 %100
118	M132	Z	.461	.461	0	%100 %100
119	M133	X	0	0	0	%100 %100
120	M133	Z	.461	.461	0	
121	M134	X	0	0	0	%100 %100
122	M134	Z	.824	.824	0	%100
123	M135	X	0	.024	0	%100
124	M135	Z	.824	.824	0	%100
125	M136	X	0	0	0	%100
126	M136	7	.824	.824	0	%100 %100
127	M137	X	0	.024	0	%100
128	M137	7	.824	.824	0	%100 %100

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

	Member Label	Direction	Start MagnitudeIlb/ft	End Magnitude[lb/ft,F	Start Location(ft %)	End Location[ft,%]
_1	M1	X	318	318	0	%100
2	M1	Z	.551	.551	Ö	%100
3	M4	X	126	126	0	%100
4	M4	Z	.219	.219	0	%100 %100
5	M10	X	363	363	0	%100 %100
6	M10	Z	.628	.628	0	%100 %100
7	M43	X	363	363	0	%100 %100
8	M43	Z	.628	.628	0	%100 %100
9	M46	X	587	587	0	%100 %100
10	M46	Z	1.016	1.016	0	%100 %100
11	M51B	X	0	0	0	
12	M51B	7	Ů,	0	0	%100 %100
13	M52B	X	326	326	0	
14	M52B	7	.564	.564	0	%100 %100
15	M76	X	196	196	0	<u>%100</u>
16	M76	7	.339	.339	0	%100 %100
17	M77	X	0	.339	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	0	0		%100
20	M80	7	0	0	0	%100
21	M84	X			0	%100
22	M84	7	196	196	0	<u>%100</u>
23	M85	X	.339	.339	0	%100
24	M85	7	- <u>.598</u> 1.035	598	0	%100
	11100		1.035	1.035	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft	.End Magnitude[lb/ft,F.,	Start Location[ft,%]	End Location[ft,%]
25	M91	Z	629	629	0	%100 %100
26	M91		1.09	1.09	0	%100 %100
27	M52A	X	506	506	0	%100 %100
28	M52A	Z	.876	.876	0	%100 %100
29	M53	X	0	0	0	%100 %100
30	M53	Z	0	0	0	
31	M54	X	0	0	0	%100 %100
32	M54	Z	0	0	0	%100
33	M55	X	0	0	0	%100
34	M55	Z	0	0	0	%100
35	M58A	X	326	326	0	%100 %100
36	M58A	Z	.564	.564	0	
37	M59A	X	326	326	0	%100
38	M59A	Z	.564	.564	0	%100
39	M63	X	782	782	0	%100
40	M63	Z	1.355	1.355	0	%100
41	M64	X	598	598	0	%100
42	M64	Z	1.035	1.035	0	%100
43	M66	X	629	629	0	%100
44	M66	Z	1.09	1.09	0	%100
45	M68	X	782	782	0	%100
46	M68	Z	1.355	1.355	0	%100
47	M69	X	598	598	0	%100
48	M69	Z	1.035	1.035	0	%100
49	M71	X	629	629	0	%100
50	M71	Z	1.09	1.09	0	%100
51	M76A	X	126	126	0	%100
52	M76A	Z	.219	.219	0	%100
53	M77A	X	363	363	0	%100
54	M77A	Z	.628	.628	0	%100
55	M78	X	363	-,363	0	%100
56	M78	Z	.628	.628	0	%100
57	M79A	X	587	587	0	%100
58	M79A	Z	1.016	1.016	0	%100
59	M82	X	326	326	0	%100
60	M82	Z	.564	.564	0	%100
61	M83A	X	0	0	0	%100
62	M83A	Z	0	0	0	%100
63	M87	X	196	196	0	%100
64	M87	Z	.339	.339	0	%100
65	M88A	X	598	598	0	%100
66	M88A	Z	1.035	1.035	0	%100
67	M90	X	629	629	0	%100
68	M90	Z	1.09	1.09	0	%100
69	M92A	X	196	196	0	%100
70	M92A	Z	.339	.339	0	%100
71	M93	X	0	0	0	%100
72	M93	Z	0	0	0	%100
73	M95	X	0	0	0	%100
74	M95	Z	0	0	0	%100
75	M82A	X	0	0	0	%100
76	M82A	Z	0	0	0	%100
77	M91B	X	318	318	0	%100
78	M91B	Z	.551	.551	0	%100
79	MP4C	X	31	31	0	%100
80	MP4C	Z	.536	.536	0	%100
81	MP3C	X	31	31	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
82	MP3C	Z	.536	.536	0	%100
83	MP1C	X	31	31	0	%100
84	MP1C	Z	.536	.536	0	%100
85	MP2C	X	375	375	0	%100
86	MP2C	Z	.649	.649	0	%100
87	MP4B	X	31	31	0	%100
88	MP4B	Z	.536	.536	0	%100
89	MP3B	X	31	31	0	%100
90	MP3B	Z	.536	.536	0	%100
91	MP1B	X	31	31	0	%100
92	MP1B	Z	.536	.536	0	%100
93	MP2B	X	375	375	0	%100
94	MP2B	Z	.649	.649	0	%100
95	MP4A	X	31	31	0	%100
96	MP4A	Z	.536	.536	0	%100
97	MP3A	X	31	31	0	%100
98	MP3A	Z	.536	.536	0	%100
99	MP1A	X	31	31	Ö	%100 %100
100	MP1A	Z	.536	.536	Ö	%100 %100
101	MP2A	X	375	375	Ŏ	%100 %100
102	MP2A	Z	.649	.649	Ö	%100 %100
103	M101	X	253	253	Ö	%100 %100
104	M101	Z	.439	.439	Ö	%100 %100
105	M106	X	281	281	o i	%100 %100
106	M106	Z	.487	.487	0	%100 %100
107	M113	X	281	281	0	%100 %100
108	M113	Z	.487	.487	0	%100 %100
109	M120	X	0	0	Ö	%100 %100
110	M120	Z	0	Ö	0	%100 %100
111	M123	X	36	36	0	%100 %100
112	M123	Z	.624	.624	0	%100 %100
113	M124	X	36	36	0	%100 %100
114	M124	Z	.624	.624	0	%100 %100
115	M125	X	0	0	0	%100 %100
116	M125	Z	0	0	0	%100 %100
117	M132	X	291	291	0	%100 %100
118	M132	Z	.504	.504	0	%100 %100
119	M133	X	291	291	0	%100 %100
120	M133	Z	.504	.504	0	%100 %100
121	M134	X	291	291	0	%100 %100
122	M134	Z	.504	.504	0	
123	M135	X	291	291	0	%100
124	M135	Z	.504	.504	0	%100
125	M136	X	472	472	0	%100
126	M136	Z	.818	472	0	%100
127	M137	X	472	472		%100
128	M137	7	.818		0	%100
	111107		.010	.818	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Location[ft %]	End Location[ft,%]
1	M1	X	735	735	0	%100
2	M1	Z	.424	.424	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	Ŏ	0	%100 %100
5	M10	X	837	837	0	%100 %100
6	M10	Z	.484	.484	0	%100 %100



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

	Member Label	Direction		End Magnitude[lb/ft,F		End Location[ft,%]
7	M43	X	837	837	0	%100
8	M43	Z	.484	.484	0	%100
9	M46	X	-1.355	-1.355	0	%100
10	M46	Z	.782	.782	0	%100
11	M51B	X	-,188	188	0	%100
12	M51B	Z	.109	.109	0	%100
13	M52B	X	188	188	0	%100
14	M52B	Z	.109	.109	0	%100
15	M76	X	0	0	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	345	345	0	%100
18	M77	Z	.199	.199	0	%100
19	M80	X	363	363	0	%100
20	M80	Z	.21	.21	0	%100
21	M84	X	0	0	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	345	345	0	%100
24	M85	Z	.199	.199	0	%100
25	M91	X	363	363	0	%100
26	M91	Z	.21	.21	0	%100
27	M52A	X	657	657	0	%100
28	M52A	Z	.379	.379	0	%100
29	M53	X	209	209	0	%100
30	M53	Z	.121	.121	0	%100
31	M54	X	209	209	0	%100
32	M54	Z	.121	.121	0	%100
33	M55	X	339	339	0	%100
34	M55	Z	.196	.196	0	%100
35	M58A	X	188	188	0	%100
36	M58A	Z	.109	.109	0	%100
37	M59A	X	752	752	0	%100
38	M59A	Z	.434	.434	0	%100
39	M63	X	-1.016	-1.016	0	%100
40	M63	Z	.587	.587	0	%100
41	M64	X	345	345	0	%100
42	M64	Z	.199	.199	0	%100
43	M66	X	363	363	0	%100
44	M66	Z	.21	.21	0	%100
45	M68	X	-1.016	-1.016	0	%100
46	M68	Z	.587	.587	0	%100
47	M69	X	-1.38	-1.38	0	%100
48	M69	Z	.797	.797	0	%100
49	M71	X	-1.454	-1.454	0	%100
50	M71	Z	.839	.839	0	%100
51	M76A	X	657	657	0	%100
52	M76A	Z	.379	.379	0	%100
53	M77A	X	209	209	0	%100
54	M77A	Z	.121	.121	0	%100
55	M78	X	- 209	209	0	%100
	M78	Z	.121	.121	0	%100
56	M79A	X	339	339	0	%100
57	M79A	Z	.196	.196	0	%100
58		X	752	752	0	%100
59	M82	Z	.434	.434	0	%100
60	M82	X	188	188	0	%100
61	M83A	7	.109	.109	0	%100
62	M83A M87	X	-1.016	-1,016	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,%]
64	M87	Z	.587	.587	0	%100
65	M88A	X	-1.38	-1.38	0	%100
66	M88A	Z	.797	.797	0	%100
67	M90	X	-1.454	-1.454	0	%100
68	M90	Z	.839	.839	0	%100
69	M92A	X	-1.016	-1.016	0	%100
70	M92A	Z	.587	.587	0	%100
71	M93	X	345	345	0	%100
72	M93	Z	.199	.199	0	%100
73	M95	X	363	363	0	%100
74	M95	Z	.21	.21	0	%100
75	M82A	X	184	184	0	%100
76	M82A	Z	.106	.106	0	%100
77	M91B	X	184	184	0	%100
78	M91B	Z	.106	.106	0	%100
79	MP4C	X	536	536	0	%100
80	MP4C	Z	.31	.31	0	%100
81	MP3C	X	536	536	0	%100
82	MP3C	Z	.31	.31	0	%100
83	MP1C	X	536	536	0	%100
84	MP1C	Z	.31	.31	0	%100
85	MP2C	X	649	649	0	%100
86	MP2C	Z	.375	.375	Ö	%100
87	MP4B	X	536	536	0	%100
88	MP4B	Z	.31	.31	Ö	%100
89	MP3B	X	536	536	0	%100 %100
90	MP3B	Z	.31	.31	Ö	%100
91	MP1B	X	536	536	0	%100 %100
92	MP1B	Z	.31	.31	Ö	%100
93	MP2B	X	649	649	Ō	%100
94	MP2B	Z	.375	.375	0	%100 %100
95	MP4A	X	536	536	0	%100 %100
96	MP4A	Z	.31	.31	Ö	%100 %100
97	MP3A	X	536	536	0	%100 %100
98	MP3A	Z	.31	.31	Ö	%100
99	MP1A	X	536	536	0	%100 %100
100	MP1A	Ž	.31	.31	0	%100
101	MP2A	X	649	649	0	%100 %100
102	MP2A	Ž	.375	.375	0	%100
103	M101	X	439	439	0	%100
104	M101	Ž	.253	.253	0	%100
105	M106	X	162	162	0	%100 %100
106	M106	Z	.094	004		
107	M113	X	649	.094 649	0	%100 %100
108	M113	Z	.375	.375	0	
109	M120	X	162	162		%100 %100
110	M120	Ž	.094	.094	0	%100
111	M123	X	832	832	0	%100
112	M123	Ž			0	%100
113	M124	X	.48 208	.48	0	%100
114	M124	Z	208	208	0	%100
115			.12	.12	0	%100
116	M125 M125	Z	208	208	0	%100
			.12	.12	0	%100
117	M132	X	714	714	0	%100
118	M132	Z	.412	.412	0	%100
119	M133	X	714	714	0	%100
120	M133	Z	.412	.412	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,%]
121	M134	X	399	399	0	%100
122	M134	7	.23	.23	0	%100
123	M135	X	399	399	0	%100
124	M135	7	.23	.23	0	%100
125	M136	X	714	714	0	%100
126	M136	7	.412	.412	0	%100
127	M137	X	714	714	0	%100
128	M137	Z	.412	.412	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F.	Start Location[ft.%]	End Location[ft.%]
1	M1	X	636	636	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	253	253	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	725	725	0	%100
6	M10	Z	0	0	0	%100
7	M43	X	725	725	0	%100
8	M43	Z	0	0	0	%100
9	M46	X	-1.173	-1.173	0	%100
10	M46	Z	0	0	0	%100
11	M51B	X	652	652	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	391	391	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	-1.195	-1.195	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	-1.259	-1.259	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	391	391	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	0	0	0	%100
27	M52A	X	253	253	0	%100
28	M52A	Z	0	0	0	%100
29	M53	X	725	725	0	%100
30	M53	Z	0	0	0	%100
31	M54	X	725	725	0	%100
32	M54	Z	0	0	0	%100
	M55	X	-1.173	-1.173	0	%100
33	M55	Z	0	0	0	%100
34	M58A	X	0	0	0	%100
35	M58A	Z	0	0	0	%100
36		X	652	652	0	%100
37	M59A	Z	0	0	0	%100
38	M59A	X	391	391	0	%100
39	M63	Z	391	551	0	%100
40	M63	X	0	0	0	%100
41	M64		0	0	0	%100
42	M64	Z	0	0	0	%100
43	M66	X	0	0	0	%100
44	M66	Z	391	391	0	%100 %100
45	M68	X	391	351		70100



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

	Member Label	Direction		.End Magnitude[lb/ft,F		End Location[ft,%]
46	M68	Z	0	0	0	%100
47	M69	X	-1.195	-1.195	0	%100
48	M69	Z	0	0	0	%100
49	M71	X	-1.259	-1.259	0	%100
50	M71	Z	0	0	0	%100
51	M76A	X	-1.011	-1.011	0	%100
52	M76A	Z	0	0	0	%100
53	M77A	X	0	0	0	%100
54	M77A	Z	0	0	0	%100
55	M78	X	0	0	0	%100
56	M78	Z	0	0	0	%100
57	M79A	X	0	0	0	%100
58	M79A	Z	0	0	0	%100
59	M82	X	652	652	0	%100
60	M82	Z	0	0	0	%100
61	M83A	X	652	652	0	%100
62	M83A	Z	0	0	0	%100
63	M87	X	-1.565	-1.565	0	%100
64	M87	Z	0	0	Ō	%100
65	M88A	X	-1.195	-1,195	0	%100 %100
66	M88A	Z	0	0	0	%100 %100
67	M90	X	-1.259	-1.259	0	%100
68	M90	Z	0	0	0	%100
69	M92A	X	-1.565	-1.565	0	%100 %100
70	M92A	Z	0	0	0	%100 %100
71	M93	X	-1.195	-1.195	0	%100 %100
72	M93	Z	0	0	0	%100
73	M95	X	-1.259	-1.259	0	%100 %100
74	M95	Z	0	0	0	%100 %100
75	M82A	X	636	636	0	%100
76	M82A	Z	0	0	0	%100 %100
77	M91B	X	0	0	0	%100
78	M91B	Z	Ö	0	0	%100 %100
79	MP4C	X	619	619	0	%100
80	MP4C	Z	0	0	0	%100 %100
81	MP3C	X	619	619	0	%100 %100
82	MP3C	Z	019	019	0	%100 %100
83	MP1C	X	619	619	0	%100 %100
84	MP1C	Z	0	019	0	%100
85	MP2C	X	75	75	0	%100 %100
86	MP2C	Z	73	75	0	%100
87	MP4B	X	619	619	0	
88	MP4B	7	1000000			%100 %400
89	MP3B	X	619	610	0	%100 %400
90	MP3B	Ž	619	619		%100
91	MP1B			0	0	%100
92	MP1B	Z	619	619	0	%100
93	MP2B	X	0 75	0	0	%100
94	MP2B MP2B		75	75	0	%100
95	MP4A	Z	0	0	0	%100
96	MP4A	Z	619	619	0	%100
			0	0	0	%100
97	MP3A	X	619	619	0	%100
98	MP3A	Z	0	0	0	%100
99	MP1A	X	619	619	0	%100
100	MP1A	Z	0	0	0	%100
101	MP2A	X	75	75	0	%100
102	MP2A	Z	0	0	0	%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,%]
103	M101	X	506	506	0	%100
104	M101	Z	0	0	0	%100
105	M106	X	0	0	0	%100
	M106	Ž	0	0	0	%100
106	M113	X	562	562	0	%100
107	M113	Z	0	0	0	%100
108		X	562	562	0	%100
109	M120	Ž	0	0	0	%100
110	M120	X	721	721	0	%100
111	M123	Z	0	0	0	%100
112	M123	X	0	0	0	%100
113	M124		0	0	Ö	%100
114	M124	Z	-,721	721	0	%100
115	M125	X	/21	0	0	%100
116	M125	Z		945	0	%100
117	M132	X	945	945	0	%100
118	M132	Z	0	945	0	%100
119	M133	X	945	945	0	%100
120	M133	Z	0		0	%100 %100
121	M134	X	582	582	0	%100 %100
122	M134	Z	0	0		
123	M135	X	582	582	0	%100 %400
124	M135	Z	0	0	0	%100
125	M136	X	582	582	0	%100
126	M136	Z	0	0	0	%100
127	M137	X	582	582	0	%100
128	M137	Z	0	0	0	%100

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

	Member Label	Direction	Start MagnitudeIlb/ft	End Magnitude[lb/ft,F.,	Start Location[ft,%]	End Location[ft,%]
1	M1	X	184	184	0	%100
2	M1	Z	106	106	0	%100
3	M4	X	657	657	0	%100
4	M4	Z	379	379	0	%100
	M10	X	209	209	0	%100
5	M10	Z	121	121	0	%100
	M43	X	209	209	0	%100
7	M43	Z	121	121	0	%100
8	M46	X	339	339	0	%100
9	M46	7	196	196	0	%100
10		X	752	752	0	%100
11	M51B	Z	434	434	0	%100
12	M51B	X	188	188	0	%100
13	M52B	7	109	109	0	%100
14	M52B	X	-1.016	-1.016	0	%100
15	M76	Ž	587	587	0	%100
16	M76	X	-1.38	-1.38	0	%100
17	M77	Z	797	797	0	%100
18	M77	X	-1.454	-1.454	0	%100
19	08M	Z	839	839	0	%100
20	M80		-1.016	-1.016	0	%100
21	M84	X		587	0	%100
22	M84	Z	587	345	0	%100
23	M85	X	345	199	0	%100
24	M85	Z	199	363	0	%100
25	M91	X	363		0	%100
26	M91	Z	21	21	0	%100 %100
27	M52A	X	0		U	70100

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

	Member Label	Direction		End Magnitude(lb/ft,F		End Location[ft,%]
28	M52A	Z	0	0	0	%100
29	M53	X	837	837	0	%100
30	M53	Z	484	484	0	%100
31	M54	X	837	837	0	%100
32	M54	Z	484	484	0	%100
33	M55	X	-1.355	-1.355	0	%100
34	M55	Z	782	782	0	%100
35	M58A	X	188	188	0	%100
36	M58A	Z	109	109	0	%100
37	M59A	X	188	188	Q	%100
38	M59A	Z	109	109	0	%100
39	M63	X	0	0	0	%100
40	M63	Z	0	0	0	%100
41	M64	X	345	345	0	%100
42	M64	Z	199	199	0	%100
43	M66	X	363	363	0	%100
44	M66	Z	21	21	0	%100
45	M68	X	0	0	0	%100
46	M68	Z	0	0	0	%100
47	M69	X	345	345	0	%100
48	M69	Z	199	199	0	%100
49	M71	X	363	363	0	%100
50	M71	Z	21	21	0	%100
51	M76A	X	657	657	0	%100
52	M76A	Z	379	379	0	%100
53	M77A	X	209	209	0	%100
54	M77A	Z	121	121	0	%100
55	M78	X	209	209	0	%100
56	M78	Z	121	121	0	%100
57	M79A	X	339	339	0	%100
58	M79A	Z	196	196	0	%100
59	M82	X	188	188	0	%100
60	M82	Z	109	109	0	%100
61	M83A	X	752	752	0	%100
62	M83A	Z	434	434	0	%100
63	M87	X	-1.016	-1.016	0	%100
64	M87	Z	587	587	0	%100
65	M88A	X	345	345	0	%100
66	M88A	Z	199	199	0	%100
67	M90	X	363	363	0	%100
68	M90	Z	21	21	0	%100
69	M92A	X	-1.016	-1.016	0	%100
70	M92A	Z	587	587	0	%100
71	M93	X	-1.38	-1.38	0	%100
72	M93	Z	797	797	0	%100
73	M95	X	-1.454	-1.454	0	%100
74	M95	Z	839	839	0	%100
75	M82A	X	735	735	0	%100
76	M82A	Z	424	424	0	%100
77	M91B	X	184	184	0	%100
78	M91B	Z	106	106	Ō	%100
79	MP4C	X	536	536	0	%100 %100
80	MP4C	Z	31	31	ő	%100 %100
81	MP3C	X	536	536	0	%100 %100
82	MP3C	Z	31	31	Ö	%100 %100
83	MP1C	X	536	536	0	%100 %100
84	MP1C	Z	31	31	0	%100 %100

Company Designer Job Number Model Name

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,%]
85	MP2C	X	649	649	0	%100
86	MP2C	Z	375	375	0	%100
87	MP4B	X	536	536	0	%100
88	MP4B	Z	-,31	31	0	%100
89	MP3B	X	536	536	0	%100
90	MP3B	Ž	31	31	0	%100
91	MP1B	X	536	536	0	%100
92	MP1B	Ž	31	31	0	%100
93	MP2B	X	649	649	0	%100
94	MP2B	Z	375	375	0	%100
95	MP4A	X	536	536	0	%100
	MP4A	Z	31	31	0	%100
96	MP3A	X	536	536	0	%100
97	MP3A	Z	31	31	0	%100
98	MP1A	X	536	536	0	%100
99	MP1A	Z	31	31	0	%100
100		X	649	649	0	%100
101	MP2A	Z	375	375	0	%100
102	MP2A	X	439	439	0	%100
103	M101	Ž	253	253	0	%100
104	M101	X	162	162	0	%100
105	M106	Ž	094	094	0	%100
106	M106	X	162	162	0	%100
107	M113		094	094	0	%100
108	M113	Z X	649	649	0	%100
109	M120	Z	375	375	0	%100
110	M120		208	208	Ŏ	%100
111	M123	X	-,12	12	0	%100
112	M123	Z	208	208	0	%100
113	M124	X	12	12	Ů Ů	%100
114	M124	Z	832	832	0	%100
115	M125	X	48	48	0	%100
116	M125	Z	46 714	714	Ö	%100
117	M132	X	412	412	Ö	%100
118	M132	Z	714	714	0	%100
119	M133	X	412	412	Ŏ	%100
120	M133	Z	412	714	0	%100
121	M134	X	412	412	0	%100
122	M134	Z		412	0	%100
123	M135	X	714	412	0	%100
124	M135	Z	412		0	%100
125	M136	X	399	399	0	%100
126	M136	Z	23	23	0	%100
127	M137	X	399	399	0	%100 %100
128	M137	Z	23	23	U	/0100

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.%]
4	M1	X	0	0	0	%100
2		7	0	0	0	%100
$\frac{2}{3}$	M1	V	506	506	0	%100
<u> </u>	M4		876	876	0	%100
4	M4		070	0	0	%100
5	M10		1 0	0	0	%100
6	M10		0	0	0	%100
7	M43	X	1 0	0	0	%100
8	M43	Z	0	0	0	%100 %100
9	M46	X	0	1 0	U	/6100

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,
10	M46	Z	Q	0	0	%100
11	M51B	X	326	326	Ö	%100
12	M51B	Z	564	564	0	%100
13	M52B	X	326	326	0	%100
14	M52B	Z	564	564	0	%100
15	M76	X	782	782	Ö	%100 %100
16	M76	Z	-1.355	-1.355	0	%100
17	M77	X	598	598	0	%100 %100
18	M77	Z	-1.035	-1.035	0	%100
9	M80	X	629	629	0	%100
20	M80	Z	-1.09	-1.09	Ö	%100
21	M84	X	782	782	Ö	%100
22	M84	Z	-1.355	-1.355	0	%100
23	M85	X	598	598	Ō	%100
4	M85	Z	-1.035	-1.035	0	%100
25	M91	X	629	629	0	%100
26	M91	Z	-1.09	-1.09	0	%100
7	M52A	X	126	126	0	%100
8	M52A	Z	219	219	Ö	%100
9	M53	X	363	363	0	%100 %100
0	M53	Z	628	628	0	%100
1	M54	X	363	363	0	%100
2	M54	Z	628	628	0	%100
3	M55	X	587	587	0	%100
4	M55	Z	-1.016	-1.016	0	%100
5	M58A	X	326	326	Ö	%100
6	M58A	Z	564	564	0	%100
7	M59A	X	0	0	0	%100 %100
8	M59A	Z	0	0	0	%100
9	M63	X	196	196	0	%100
0	M63	Z	339	339	0	%100
1	M64	X	598	598	0	%100
2	M64	Z	-1.035	-1.035	0	%100
3	M66	X	629	629	0	%100
4	M66	Z	-1.09	-1.09	0	%100
5	M68	X	196	196	0	%100
6	M68	Z	339	339	0	%100
7	M69	X	0	0	0	%100
8	M69	Z	0	0	0	%100
9	M71	X	0	0	0	%100
0	M71	Z	0	0	0	%100
1	M76A	X	126	126	0	%100 %100
2	M76A	Z	219	219	0	%100 %100
3	M77A	X	363	363	0	%100 %100
4	M77A	Z	628	628	Ö	%100 %100
5	M78	X	363	363	Ö	%100 %100
6	M78	Z	628	628	ő	%100 %100
7	M79A	X	587	587	0	%100 %100
3	M79A	Z	-1.016	-1.016	0	%100 %100
9	M82	X	0	0	0	%100 %100
)	M82	Z	0	0	0	%100 %100
1	M83A	X	326	326	0	%100 %100
2	M83A	Z	564	564	0	%100 %100
3	M87	X	196	196	0	%100 %100
1	M87	Z	339	339	0	%100 %100
5	M88A	X	0	0	0	%100
3	M88A	Z	Ö	0	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,%
67	M90	X	0	0	0	%100 %100
68	M90	Z	0	0	0	%100 %100
39	M92A	X	196	196	0	
70	M92A	Z	339	339	0	%100
71	M93	X	598	598	0	%100
72	M93	Z	-1.035	-1.035	0	%100
73	M95	X	629	629	0	%100
74	M95	Z	-1.09	-1.09	0	%100
75	M82A	X	318	318	0	%100
76	M82A	Z	551	551	0	%100
77	M91B	X	318	318	0	%100
78	M91B	Z	551	551	0	%100
79	MP4C	X	31	31	0	%100
80	MP4C	Z	536	536	0	%100
81	MP3C	X	31	31	0	%100
82	MP3C	Z	536	536	0	%100
83	MP1C	X	31	31	0	%100
	MP1C	Z	536	536	0	%100
84	MP2C	X	375	375	0	%100
85		Z	649	649	0	%100
86	MP2C	X	31	31	0	%100
87	MP4B	Z	536	536	0	%100
88	MP4B	X	31	31	0	%100
89	MP3B	Ž	536	536	0	%100
90	MP3B		31	31	0	%100
91	MP1B	X	536	536	0	%100
92	MP1B	Z	375	375	0	%100
93	MP2B	X		649	0	%100
94	MP2B	Z	649	31	0	%100
95	MP4A	X	31	536	Ö	%100
96	MP4A	Z	536	31	0	%100
97	MP3A	X	31	536	0	%100
98	MP3A	Z	536	31	0	%100
99	MP1A	X	31	536	0	%100
100	MP1A	Z	536		0	%100
101	MP2A	X	375	375	0	%100 %100
102	MP2A	Z	649	649	0	%100 %100
103	M101	X	253	253		%100
104	M101	Z	439	439	0	%100 %100
105	M106	X	281	281	0	%100 %100
106	M106	Z	487	487	0	
107	M113	X	0	0	0	%100
108	M113	Z	0	0	0	%100
109	M120	X	281	281	0	%100
10	M120	Z	487	487	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	36	36	0	%100
114	M124	Z	624	624	0	%100
115	M125	X	36	36	0	%100
116	M125	Z	624	624	0	%100
117	M132	X	291	291	0	%100
		Z	504	504	0	%100
118	M132	X	291	291	0	%100
119	M133	Z	504	504	0	%100
120	M133		472	472	0	%100
121	M134	Z	818	818	Ö	%100
122	M134	X	472	472	0	%100



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

	Member Label	Direction	Start Magnitudellb/ft	End Magnitude[]b/ft.F	Start Location[ft.%]	End Location(ft.%)
124	M135	Z	818	818	0	%100
125 126	M136	X	291	291	0	%100 %100
126	M136	Z	504	504	Ô	%100
127	M137	X	291	-,291	0	%100
128	M137	Z	504	504	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	Start Locationfft %1	End Location[ft.%]
1	M51B	Υ	-1.665	-4.226	0	.832
2	M51B	Υ	-4.226	-6.901	.832	1.665
3	M51B	Υ	-6.901	-8.189	1.665	2.497
4	M51B	Υ	-8.189	-6.544	2.497	3.329
5	M51B	Υ	-6.544	-3.463	3.329	4.162
6	M52B	Y	-3.469	-6.578	0.025	.832
7	M52B	Y	-6.578	-8.256	.832	1.665
8	M52B	Y	-8.256	-7.041	1.665	2.497
9	M52B	Y	-7.041	-4.429	2.497	3.329
10	M52B	Y	-4.429	-1.881	3.329	4.162
11	M58A	Y	-1.883	-4.428	0.020	.832
12	M58A	Y	-4.428	-7.048	.832	1,665
13	M58A	Y	-7.048	-8.261	1,665	2.497
14	M58A	Y	-8.261	-6.572	2.497	3.329
15	M58A	Y	-6.572	-3.462	3.329	4.162
16	M59A	Y	-3.463	-6.544	0.025	.832
17	M59A	Υ	-6.544	-8.187	.832	1.665
18	M59A	Y	-8.187	-6.899	1.665	2.497
19	M59A	Y	-6.899	-4.227	2.497	3.329
20	M59A	Υ	-4.227	-1.664	3.329	4.162
21	M82	Y	-1.884	-4.426	0	.832
22	M82	Y	-4.426	-7.044	.832	1.665
23	M82	Y	-7.044	-8.26	1.665	2.497
24	M82	Y	-8.26	-6.573	2.497	3.329
25	M82	Y	-6.573	-3.462	3.329	4.162
26	M83A	Y	-3.463	-6.545	0	.832
27	M83A	Ý	-6.545	-8.189	.832	1.665
28	M83A	Ý	-8.189	-6.902	1.665	
29	M83A	Ý	-6.902	-4.228	2.497	2.497
30	M83A	Y	-4.228	-1.661	3.329	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	M51B	Υ	-3.216	-8.162	0	.832
2	M51B	Υ	-8.162	-13.328	.832	1.665
3	M51B	Y	-13.328	-15.817	1.665	2.497
4	M51B	Y	-15.817	-12.638	2.497	3.329
5	M51B	Υ	-12.638	-6.688	3.329	4.162
6	M52B	Y	-6.7	-12.704	0	.832
7	M52B	Y	-12,704	-15.944	.832	1.665
8	M52B	Y	-15.944	-13.599	1.665	2.497
9	M52B	Υ	-13.599	-8.554	2.497	3.329
10	M52B	Y	-8.554	-3.633	3.329	4.162
11	M58A	Υ	-3.636	-8.551	0	.832
12	M58A	Y	-8.551	-13.612	.832	1.665
13	M58A	Y	-13.612	-15.955	1.665	2.497
14	M58A	Y	-15.955	-12.693	2.497	3.329
15	M58A	Υ	-12.693	-6.687	3.329	4.162



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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
16	M59A	Y	-6.688	-12.639	0	.832
17	M59A	Y	-12.639	-15.813	.832	1.665
18	M59A	Y	-15.813	-13.325	1.665	2.497
19	M59A	Y	-13.325	-8.164	2.497	3.329
20	M59A	Y	-8.164	-3.213	3.329	4.162
21	M82	Ý	-3.636	-8.551	0	.832
22	M82	Y	-8.551	-13.612	.832	1.665
23	M82	Y	-13.612	-15.955	1.665	2.497
24	M82	V	-15.955	-12.693	2.497	3.329
25	M82	V	-12.693	-6.687	3.329	4.162
	M83A	Ý	-6.688	-12.639	0	.832
26	M83A	V	-12.639	-15,813	.832	1.665
27	M83A	V	-15.813	-13.325	1.665	2.497
28	M83A	V	-13.325	-8.164	2.497	3.329
30	M83A	Ý	-8.164	-3.213	3.329	4.162

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

	Member Label	Direction	Start MagnitudeIlb/ft	End Magnitude[lb/ft,F	Start Location[ft.%]	End Location[ft.%]
1	M51B	Y	066	168	0	.832
2	M51B	Y	168	275	.832	1.665
3	M51B	Y	275	326	1.665	2.497
4	M51B	Y	326	26	2.497	3.329
5	M51B	Y	26	138	3.329	4.162
6	M52B	Ý	138	262	0	.832
7	M52B	Y	262	329	.832	1.665
8	M52B	Y	329	28	1.665	2.497
	M52B	Y	- 28	176	2.497	3.329
9	M52B	Y	176	075	3.329	4.162
11	M58A	Y	075	- 176	0	.832
	M58A	Y	176	281	.832	1.665
12	M58A	Y	281	329	1,665	2.497
13	M58A	Y	329	262	2.497	3.329
14	M58A	Y	262	138	3.329	4.162
15		Y	138	261	0	.832
16	M59A	Y	261	326	.832	1.665
17	M59A	Y	326	275	1.665	2.497
18	M59A	V	275	168	2.497	3.329
19	M59A	Y	168	066	3.329	4.162
20	M59A	V	075	176	0	.832
21	M82	V	176	28	.832	1,665
22	M82	Y	28	329	1.665	2.497
23	M82	Y	329	262	2.497	3,329
24	M82	V	262	138	3.329	4.162
25	M82	Y	138	261	0.020	.832
26	M83A	Y	136	326	.832	1.665
27	M83A	Y	326	275	1.665	2.497
28	M83A			168	2.497	3.329
29	M83A	Y	275	066	3.329	4.162
30	M83A	Y	168	1 -,000	3.329	7.102

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	M51B	7	166	422	0	.832
2	M51B	7	422	689	.832	1.665
2	M51B	7	689	817	1.665	2.497
3	M51B	7	817	653	2.497	3.329
4		7	653	346	3.329	4.162
5	M51B		000	1 .010	- OIGES	



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.%]
6	M52B	Z	346	656	0	.832
7	M52B	Z	656	824	.832	1.665
8	M52B	Z	824	703	1.665	2.497
9	M52B	Z	703	- 442	2,497	3.329
10	M52B	Z	442	188	3.329	4.162
11	M58A	Z	188	442	0	.832
12	M58A	Z	442	703	.832	1.665
13	M58A	Z	703	825	1.665	2.497
14	M58A	Z	825	656	2.497	3.329
15	M58A	Z	656	346	3.329	4.162
16	M59A	Z	346	653	0	.832
17	M59A	Z	653	817	.832	1.665
18	M59A	Z	817	689	1.665	2.497
19	M59A	Z	689	422	2.497	3.329
20	M59A	Z	422	166	3,329	4.162
21	M82	Z	- 188	- 442	0	.832
22	M82	Z	442	703	.832	1.665
23	M82	Z	703	824	1.665	2.497
24	M82	Z	824	656	2.497	3.329
25	M82	Z	656	345	3.329	4.162
26	M83A	Z	346	653	0	.832
27			653	817	.832	1.665
28	M83A	Z	817	689	1.665	2.497
29	M83A	Z	689	422	2.497	3.329
30	M83A	Z	422	166	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	M51B	X	.166	.422	0	.832
2	M51B	X	.422	.689	.832	1.665
3	M51B	X	.689	.817	1.665	2.497
4	M51B	X	.817	.653	2.497	3.329
5	M51B	X	.653	.346	3.329	4.162
6	M52B	X	.346	.656	0	.832
7	M52B	X	.656	.824	.832	1.665
8	M52B	X	.824	.703	1.665	2.497
9	M52B	X	.703	.442	2.497	3.329
10	M52B	X	.442	.188	3.329	4.162
11	M58A	X	.188	.442	0	.832
12	M58A	X	.442	.703	.832	1.665
13	M58A	X	.703	.825	1.665	2.497
14	M58A	X	.825	.656	2.497	3.329
15	M58A	X	.656	.346	3.329	4.162
16	M59A	X	.346	.653	0	.832
17	M59A	X	.653	.817	.832	1.665
18	M59A	X	.817	.689	1.665	2.497
19	M59A	X	.689	.422	2.497	3.329
20	M59A	X	.422	.166	3.329	4.162
21	M82	X	.188	.442	0	.832
22	M82	X	.442	.703	.832	1.665
23	M82	X	.703	.824	1.665	2.497
24	M82	X	.824	.656	2.497	3.329
25	M82	X	.656	.345	3.329	4.162
26	M83A	X	.346	.653	0.023	.832
27	M83A	X	.653	.817	.832	1.665
28	M83A	X	.817	.689	1.665	2.497



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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F.,		End Location[ft,%]
20	M83A	X	.689	.422	2.497	3.329
30	M83A	X	.422	.166	3.329	4.162

Member Area Loads (BLC 39 : Structure D)

	11.00	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
	Joint A	N87B	N7	N6	Y	Two Way	005
1-	N87C	N111	N113	N90	Y	Two Way	005
2	N89	N141	N118	N117	Y	Two Way	005
3 1	N139	N 141	INTIO				

Member Area Loads (BLC 40 : Structure Di)

MCIII	Jei Arca Es	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
4	Joint A	N87B	N7	N6	Y	Two Way	01
1	N87C	N111	N113	N90	Y	Two Way	01
2	N89	13.1.1.1	N141	N118	Y	Two Way	01
3	N117	N139	N 14 1	NIIO		1110 1112)	

Member Area Loads (BLC 84 : Structure Ev)

i Ciiii	1111	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
	Joint A	N87B	N7	N6	Y	Two Way	000207
1	N87C		N113	N90	Y	Two Way	000207
2	N89	N111		N117	V	Two Way	000207
3	N139	N141	N118			1 WO Way	

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

11101111	JCI PILOG ES	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
	Joint A		N7	N6	7	Two Way	000519
1	N87C	N87B	N113	N90	7	Two Way	000519
2	N89	N111		N117	7	Two Way	000519
3	N139	N141	N118	I INTIT		10000	.0000.

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

	STANFORD MA	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
- 1	Joint A	N87B	N7	N6	X	Two Way	.000519
1	N87C		N113	N90	X	Two Way	.000519
2	N89	N111		N117	Y	Two Way	.000519
3	N139	N141	N118	N 1 1 7		TWO Way	10000.0

Envelope Joint Reactions

		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
	Joint			2316.339	21	2107.712	1	.557	2	2.238	12	.428	3
1	N3	max 1692.54		166.726	3	-1900.536	7	-1.995	8	-2.236	6	-3.095	21
2		The state of the s			_	1883.449	1	.515	12	2.033	8	3.179	17
3	N87D	max 2120.11		147.245		-1664.62	7	-2.006	6	-2.021	2	532	11
4		min -1752.365				2191.006	1	3.878	1	2.095	4	.83	4
5	N115	max 1961.27			7	-2617.003	7	798	7	-2.088	10	771	10
6		min -1959.483		167.529	17	6182.167	-1	730		2,000	1.0		
7	Totals:	max 5773.94	1 10	6642.718	_		7						
8		min -5773.94	4	2229.78	74	-0102.139			_				

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

	Member	Shape	Code C	Lociffi	LC	Shear	Loc[ft]	Dir	LC phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y	.phi*Mn z	.Cb	
4		PIPE 3.0	101	7.943	6	.085	4.297		15 28250.554	65205	5.749	5.749	3	H1-1b
1	M1	LICOAYAYA	246	0	7	.133	0	7	12 95848.971	106812	12.662	12.662	2	H1-1b
2	M4	HSS4X4X3	.346	- 0	1	-	000	_	10 26973.922		1.32	2.833	1	H2-1
3	M10	L3X3X3	.494	2.375	11	.414	.223	Z	10		1.32	2.833	1	H2-1
4	M43	L3X3X3	.525	0	8	.458	2.152	Z	8 26973.922	35316	1.32	2.000	1	112-1



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

	Member													_	
5	M46	Shape PL3/8x6	.268	.516	8		Loc[ft]			C phi*Pnc [lb				Cb	Egn
6	M51B	L2x2x3	.317	4.162	10	.131	.516	V			72900	.57	9.113		H1-1b
7	M52B	L2x2x3	.361	0	8	.018	0			5 9823.122 5 9823.122	23392.8	.558	1.117	1	H2-1
8	M76	PL3/8x6	.254	0	12	.140	4.162	_			23392.8	.558	1.11	1	H2-1
9	M77	PL3/8x6	.214	.167			0	-		1 70677.939 1 71601.728		.57	9.113		H1-1b
10	M80	PL3/8x6	.099	.112	10	.099	0	V				.57	9.113		H1-1b
11	M84	PL3/8x6	.190		9	.082	0	-		72311.05	72900	.57	9.113		H1-1b
12	M85	PL3/8x6	.248	167	3	.130	0	V	_		72900	.57	9.113		H1-1b
13	M91	PL3/8x6	.105	.167	8	.104	0	У			72900	.57	9.113		H1-1b
14	M52A	HSS4X4X3	.324	.112	9	.120	0	V		72311.05	72900	.57	9.113		H1-1b
15	M53	L3X3X3	.520	2.375	3	.123	0	Z	8		106812	12.662			H1-1b
16	M54	L3X3X3	.516		6	.450	.223	Z			35316	1.32	2.833	1	H2-1
17	M55	PL3/8x6	.275	.516	5	.453	2.152	Z			35316	1.32	2.833	1	H2-1
18	M58A	L2x2x3	.344	4.162		.129	.516	٧			72900	.57			H1-1b
19	M59A	L2x2x3	.358		6	.019	0	y		9823.122	23392.8	.558	1.11	1	H2-1
20	M63	PL3/8x6	.203	0	4	.018	4.162	٧	23		23392.8	.558	1.117	1	H2-1
21	M64	PL3/8x6	.235	.167	8	.149	0	У	7		72900	.57			H1-1b
22	M66	PL3/8x6	.106	.112	6	.105	0	V	6		72900	.57	9.113		H1-1b
23	M68	PL3/8x6	.200	0	<u>5</u>	.113	0			72311.05	72900	.57			H1-1b
24	M69	PL3/8x6	.245	.167	_	.131	0	_	_	70677.939	72900	.57			H1-1b
25	M71	PL3/8x6	.111	.112	4	.103	0	У		71601.728	72900	.57			H1-1b
26	M76A	HSS4X4X3	.341	0	5	.076	0	y	3		72900	.57			H1-1b
27	M77A	L3X3X3		2.375	1	.144	0	Z	+		106812	12.662			H1-1b
28	M78	L3X3X3	.538	0	12	.459	.223	Z	2	26973.922	35316	1.32			H2-1
29	M79A	PL3/8x6	.294	.516	_	.475	2.152			26973.922	35316	1.32			H2-1
30	M82	L2x2x3		4.162	1	.132	.516		-	36639.477	72900	.57			H1-1b
31	M83A	L2x2x3	.376	0	12	.020	0	_	19			.558			H2-1
32	M87	PL3/8x6	.242	0		.018	4.162	Y	7		23392.8	.558			H2-1
33	M88A	PL3/8x6	.234	.167	4	.141	0	У	3		72900	.57			H1-1b
34	M90	PL3/8x6	.108	.112	2	.103	0	V		71601.728	72900	.57			H1-1b
35	M92A	PL3/8x6	.222	0	7	.088	0	У	3		72900	.57			H1-1b
36	M93	PL3/8x6	.259	.167	12	.135	0	V		70677.939	72900	.57			H1-1b
37	M95	PL3/8x6	.114	.112	1	.107	0	•		71601.728	72900	.57			H1-1b
38	M82A	PIPE 3.0		4.427	1	.072	0	٧			72900	.57			H1-1b
39	M91B	PIPE 3.0		4.557	3		4.297 4.297	-		28250.554	65205	5.749			H1-1b
40	MP4C	PIPE 2.0		3.313	23					28250.554	65205	5.749			H1-1b
41	MP3C	PIPE 2.0		3.313	6		3.313	-		20866.733	32130	1.872			H1-1b
42	MP1C	PIPE 2.0		3.313	19	.091 .097	.938			20866.733	32130	1.872			H1-1b
43	MP2C	PIPE 2.5		3.313	12	.082	.875 2.938	-		37773.818	32130	1.872			H1-1b
44	MP4B	PIPE 2.0		3.313	19					20866.733	50715	3.596			H1-1b
45	MP3B	PIPE 2.0		3.313	1	.092	3.313	-			32130	1.872	11012		H1-1b
46	MP1B	PIPE 2.0		3.313	15		.938			20866.733	32130	1.872			H1-1b
47	MP2B	PIPE 2.5		_			3.313	-	-		32130	1.872		_	11-1b
48	MP4A	PIPE 2.0		3.313 3.313			2.938	-		37773.818	50715	3.596			H1-1b
49	MP3A	PIPE 2.0		3.313			3.313	-		20866.733 20866.733	32130	1.872			11-1b
50	MP1A	PIPE 2.0			9	.087	.938	-			32130	1.872			11-1b
51	MP2A	PIPE 2.5		3.313		.096	.875			20866.733	32130	1.872		_	11-1b
52	M101	PIPE 2.0		3.313	4		2.938			37773.818	50715	3.596			11-1b
53	M106	PIPE 2.5	.106	2 10.807	4	.017	2			28843.414	32130	1.872			11-1b
54	M113	PIPE 2.5			16 24		10.807	$\overline{}$		14558.792	50715	3.596			11-1b
55	M120	PIPE 2.5			20		10.807			14558.792	50715	3.596			11-1b
56	M123	L3X3X4	.259				8.594			14558.792	50715	3.596			11-1b
57	M124	L3X3X4	.262		14					41474.265	46656	1.688			H2-1
58	M125	L3X3X4	.257		18 22					41474.265	46656	1.688			H2-1
59	M132	L2.5x2.5x4								41474.265	46656	1.688			H2-1
60	M133	L2.5x2.5x4			11	.013				25380.713	38556	1.114			H2-1
61		L2.5x2.5x4 L2.5x2.5x4		1.827		.013				25380.713	38556	1.114			H2-1
UI	101.134	LZ.5XZ.5X4	.063	1.827	7	.013	3.58	Z	14	25380.713	38556	1.114	2.403		H2-1



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

IVIGITIES	Shape 5x2.5x4	.067	Loc[ft]		.013	2 50		LC phi*Pnc	12 00550	1 4 4 4 4	1 2 402	14 1	112 4
02 W130 L2.0.			11 12/11		1.010	1 3.00	V	19522200.1	13 38556	1.114	2.403	1	H2-1
	5x2.5x4		1.827	3	.013	3.58	z	23 25380.7	13 38556	1.114	2.403	1	H2-1
00 111100	5x2.5x4		1.827		013	3.58	v	24 25380.7	13 38556		2.403	1	H2-1

RISA-3D Version 17.0.4 [\...\...\...\...\...\...\...\...\...\Rev. 0\RISA\5000244753-VZW_MT_LO_H.r3d] Page 182

VzW SMART Tool[©] Vendor

Verizon Wireless	Date: 7/6/2023
STERLING CT	
5000244753	
17123906	Page: 1
	STERLING CT 5000244753

Version 1.01

I. Mount-to-Tower Connection Check

Custom Orientation Required	No
Tower Connection Bolt Checks	Yes
Bolt Orientation	Dorollal

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):

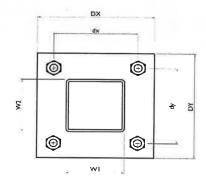
Required Tensile Strength / bolt (kips):

Required Shear Strength / bolt (kips):

Tensile Capacity / bolt (kips): Shear Capacity / bolt (kips):

Bolt Overall Utilization:

Parallel	
4	
6	
6	
A325N	
0.625	
4.6	
1.0	
20.7	
12.4	
22.8%	



Tower Connection Baseplate Checks

Connecting Standoff Member Shape: Weld Stiffener Configuration:

Plate Width, D_x (in):

Plate Height, D_v (in):

W1(in):

W2 (in):

Member Thickness (in):

Stiffener location a₁ (in):

Stiffener location b₁ (in):

Stiffener location a₂ (in):

Stiffener location b₂ (in):

F_v (ksi, plate):

Plate Thickness (in):

Length of Yield Line, L, (in):

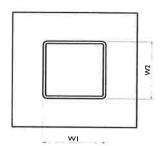
Bolt Eccentricity, e (in):

M_u (kip-in):

 $Phi*M_n$ (kip-in):

Plate Bending Utilization:

Rect Tube
No Stiffeners
10
10
4
4
0.18
36
0.5
6.28
1.58
7.48
12.72
58.8%



VzW SMART Tool[©] Vendor

Client:	Verizon Wireless	Date: 7/6/2023
Site Name:	STERLING CT	
MDG #:	5000244753	
Fuze ID #:	17123906	Page: 2
I dec le iii		Version 1.01

Tower Connection Weld Checks

Weld Shape:

Weld Stiffener Configuration:

Weld Size (1/16 in):

W1 (in):

W2 (in):

Weld Total Length (in): Z_x (in³/in):

 Z_v (in³/in):

J_p (in⁴/in):

c_x (in)

 c_y (in)

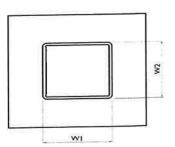
Required combined strength (kip/in):

Weld Capacity (kip/in):

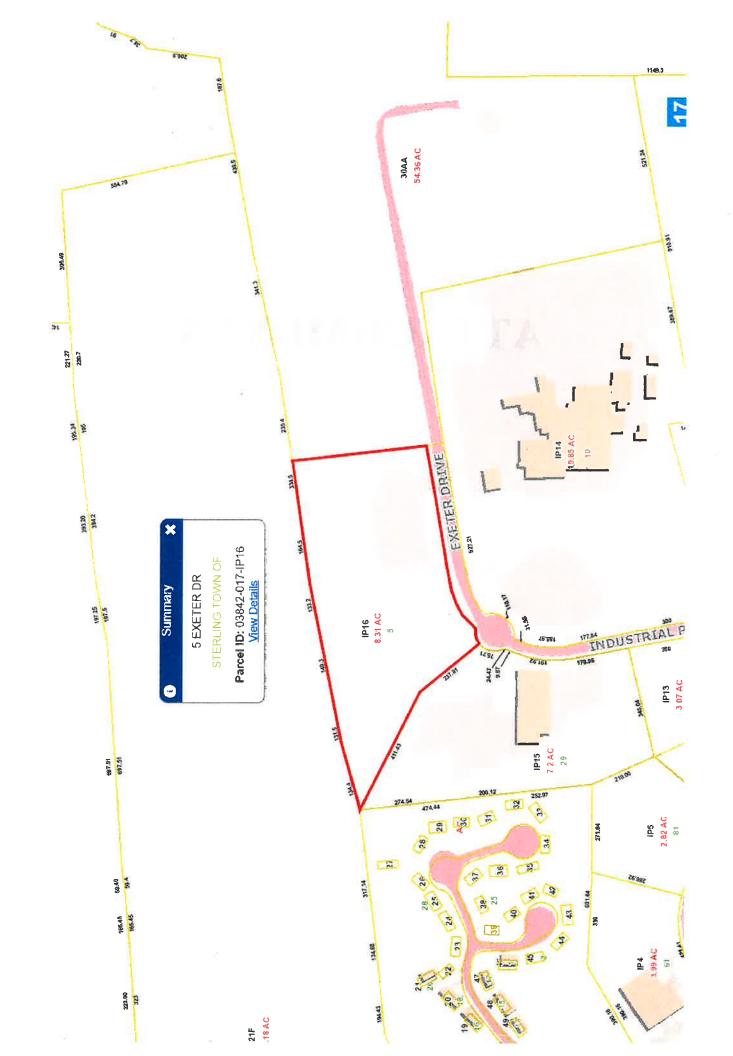
Weld Utilization:

Rectangle	
None	
3	
4	
4	
16.00	
21.33	
21.33	
85.33	
2.18	
2.18	
1.71	
4.18	
41.0%	

Yes



ATTACHMENT 4



5 EXETER DR

Location **5 EXETER DR**

03842/ 017/ IP16/ / Mblu

00045300 Acct#

STERLING TOWN OF Owner

Assessment \$59,300 **Appraisal** \$84,500

PID 411 **Building Count** 1

Current Value

	Appraisal		
Valuation Year	Improvements	Land	Total
2022	\$8,700	\$75,800	\$84,500
	Assessment		
Valuation Year	Improvements	Land	Total
2022	\$6,200	\$53,100	\$59,300

Owner of Record

Owner

STERLING TOWN OF

\$0 Sale Price

Co-Owner Address

PO BOX 157

ONECO, CT 06373

Certificate

Book & Page 40/15

Sale Date

12/27/1976

Instrument

25

Qualified

U

Ownership History

		Ownership Hist	ory		
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
TERLING TOWN OF	\$0		40/15	25	12/27/1976

Building Information

Building 1: Section 1

Year Built:

Living Area:

0 \$0

Replacement Cost: **Building Percent Good:** **Building Photo**

Building Photo

(https://images.vgsi.com/photos/sterlingctPhotos//default.jpg)

Replacement Cost

Less Depreciation:

\$0

Buildi	ng Attributes
Field	Description
ityle	Outbuildings
odel	
rade:	
tories	
occupancy	
xterior Wall 1	
xterior Wall 2	
loof Structure	
Roof Cover	
nterior Wall 1	
nterior Wall 2	
nterior Flr 1	
nterior Flr 2	
leat Fuel	
eat Type:	
С Туре:	
otal Bedrooms:	
ull Bthrms:	
alf Baths:	
xtra Fixtures	
otal Rooms:	
ath Style:	
itchen Style:	
xtra Kitchens	
ireplace(s)	
xtra Opening(s)	
as Fireplace(s)	
locked FPL(s)	
smt Garage(s)	
in Bsmt	
BM Quality	
/hirlpool(s)	
auna	
/alk Out	
olar	
ndtn Cndtn	
asement	

Building Layout

Building Layout (ParcelSketch.ashx?pid=411&bid=411)

Building Sub-Areas (sq ft)

Legend

No Data for Building Sub-Areas

Extra Features

Extra Features No Data for Extra Features

Land

Land Use

9030

Use Code Description

MUNICIPAL MDL-00

Zone

Neighborhood 1000 Alt Land Appr No

Alt Land Appr Category **Land Line Valuation**

Size (Acres)

8.31

Frontage

Depth

Assessed Value \$53,100

Appraised Value \$75,800

Outbuildings

Outbuildings						
Code	Description	Sub Code	Sub Description	Size	Value	Bldg#
SHD1	Shed	MS	Masonry	192.00 S.F.	\$1,800	1
SHD1	Shed	FR	Frame	192.00 S.F.	\$1,500	1
GAZ	Gazebo	TY	Typical	80.00 S.F.	\$1,100	1
FN9	W/O Top RI-8'	TY	Typical	300.00 L.F.	\$4,300	1

Valuation History

Appraisal						
Valuation Year	Improvements	Land	Total			
2022	\$8,700	\$75,800	\$84,500			

	Assessment			
Valuation Year	Improvements	Land	Total	
22	\$6,200	\$53,100	\$59,300	

ATTACHMENT 5



Certificate of Mailing — Firm

lame and Address of Sender	TOTAL NO. of Pieces Listed by Sender TOTAL NO. of Pieces Received at Pos	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* 08/07/20: US POS	neopost ^M 08/07/2023 US POSTAGE \$003.19 ² ZIP 06103 041L12203937		
USPS [®] Tracking Number Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage Fee	Special Handling	Parcel Airlift	
1. 2. 3.	Lincoln A. Cooper, First Selectman Town of Sterling 1183 Plainfield Pike Oneco, CT 06373 Melissa Gil, Zoning Enforcement Office Town of Sterling 1183 Plainfield Pike Oneco, CT 06373	r OFD WS - 7	2023		
4.					
5.					
6.					