Robinson+Cole

KENNETH C. BALDWIN

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Also admitted in Massachusetts and New York

May 9, 2022

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

Re: Notice of Exempt Modification – Facility Modification 86 Voluntown Road, Stonington, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains an existing wireless telecommunications facility at the above-referenced property address (the "Property"). The facility consists of antennas and remote radio heads attached to a tower and associated equipment on the ground near the base of the tower. The tower was approved by the Town of Stonington ("Town") in July of 1998. Cellco's use of the tower were approved by the Siting Council ("Council") in July of 2007. A copy of the Town's and the Council's approvals are included in Attachment 1.

Cellco now intends to modify its facility by removing thirteen (13) existing antennas and installing three (3) new Samsung MT6407-77A antennas, three (3) new CBRS antennas and six (6) MX06FRO660-03 antennas on its existing antenna platform. Cellco also intends to remove six (6) remote radio heads ("RRHs") and install six (6) new RRHs behind its antennas. A set of project plans showing Cellco's proposed facility modifications and new antennas and RRH specifications are included in Attachment 2.

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

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

- 1. The proposed modifications will not result in an increase in the height of the existing tower. Cellco's replacement antennas will be installed on its existing antenna platform.
- 2. The proposed modifications will not involve any change to ground-mounted equipment and, therefore, will not require the extension of the site boundary.
- 3. The proposed modifications will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.
- 4. The installation of Cellco's new antennas will not increase radio frequency (RF) emissions at the facility to a level at or above the Federal Communications Commission (FCC) safety standard. A cumulative General Power Density table for Cellco's modified facility is included in Attachment 3. The modified facility will be capable of providing Cellco's 5G wireless service.
- 5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
- 6. According to the attached Structural Analysis ("SA") and Mount Analysis ("MA"), the existing tower, tower foundation and antenna platform with certain modifications can support Cellco's proposed modifications. Copies of the SA and MA are included in Attachment 4.

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

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

Melanie A. Bachman, Esq. May 9, 2022 Page 3

Sincerely,

Kenneth C. Baldwin

Kung mu

Enclosures Copy to:

Danielle Chesebrough, Stonington First Selectman Keith Brynes, Town Planner Blackrock Properties II LLC, Property Owner Alex Tyurin, Verizon Wireless

ATTACHMENT 1

SITE ID #8## 0595

JOB COST #000595

SITE NAME: Stonington East /CT00595-5 Zon wy

ZONING/PERMITTING COMPLETION FORM

Zoning Classification for Site: HI	
Special Relief (setback, height variance, special use permit	t, wetlands permit etc.):
Special Use Permit	
	į.
* Date of Zoning Decision: 7/2/98	
Summary of zoning conditions (Include details of any contexpiration dates, renewal obligations, monetary obligationspection fees).	
See attached conditions.	
Submitted by: Esther McNany	Title: Territory Manager
Territory Manager Approval:	
* Attach a copy of the Zoning decision and forward to the soon as possible, after the decision.	Regional Compliance Manager as

TOWN OF STONINGTON The Planning and Zoning Commission 152 Elm Street, P.O. Box 352 Stonington, Connecticut 06378 (860) 535-5095

July 8, 1998

Scott Thomae SBA, Inc. 125 Shaw Street #116 New London, CT 06320

Dear Sir:

The Planning and Zoning Commission at their meeting of July 2, 1998 voted to APPROVE your application - #PZ9823SPA SBA, Inc. / SCOTT THOMAE - Application for Site Plan Approval for a multi-tenant monopole telecommunications facility and placement of associated equipment. Property located at 86 Voluntown Road, Stonington. Assessor's Map 18 Block 2 Lot 5 Zone HI. Groundwater Protection Permit Required. Your application was approved with the following stipulations:

- Show the location of erosion & sedimentation devices on the plan.
- Provide the geotechnical information to the Town Engineer which includes soil types and bearing capacity of the soils found on this site.
- 3. Clean up the lot: remove existing Russian Olive and other weedy vegetation, grade and bring in loam, apply an ecology grass seed mixture which will require mowing only once or twice a year. In addition to the planting around the tower enclosure, plant three deciduous trees in the front portion of the site in the locations indicated in the attached sketch plan and as follows: 1- Honey Locus (Gleditsia triacanthes var. inermis "Moraine or Shade Master") and 2 Winter King Hawthorn (Crataegus viridis 'Winter King'), 2 inch caliper minimum at time of planting.

Please schedule an appointment with the Planning Office to review the final plans which have incorporated all the above stipulations and/or changes. Please bring to the Planning and Zoning Office for the Chairman's signature one (1) set of bluelines and one (1) set of mylars and one

If you have any questions, please feel free to contact the Planning Office.

Sincerely,

Edward Donnelly, AICP Planning Director

Enclosure

Storington East/CT00595 Veryon Shelter Stacking

OFFICE OF THE BUILDING OFFICIAL



Town Of Stonington 152 Elm Street Stonington, Connecticut 06378 (860) 535-5075 • Fax (860) 535 - 1023

Zoning

Date of Final Inspection: July 2, 2008

CERTIFICATE OF USE AND OCCUPANCY

This is to certify that the building located on:

86 Voluntown Road, Pawcatuck

constructed as <u>install antennas on existing tower and place equipment</u> shelter on raised steel platform within compound

> for <u>Blackrock Properties LLC</u>, property owner; <u>Verizon-Cellco Partnership</u> – applicant

under Building Permit No. B-2007-448 dated 9/13/2007

conforms substantially to the requirements of the 1996 edition of the BOCA National Building Code, and the 1999 Connecticut Supplement, the State of Connecticut Public Health Code and is hereby approved for use and/or occupancy as indicated below:

Temporary Occupancy in accordance with Section 118.2

Permanent Occupancy in accordance with Section 118.0 X

Use Group (Article 3) U/Construction Type 5B

Any additional work, structural, plumbing, heating or electrical will require new permits and a new certificate of occupancy. The above captioned structure may not be occupied for a period of more than thirty days from time of completion of such new work without a new certificate of occupancy.

Building Official

7/10/08 Date



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051 Phone: (860) 827-2935 Fax: (860) 827-2950 E-Mail: siting.council@ct.gov Internet: ct.gov/csc

Chairman
July 11, 2007

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

RE: **EM-VER-137-070619** - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 86 Voluntown Road, Stonington, Connecticut.

Dear Attorney Baldwin:

At a public meeting held on July 3, 2007, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated June 19, 2007, including the placement of all necessary equipment and shelters within the tower compound. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

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

Thank you for your attention and cooperation.

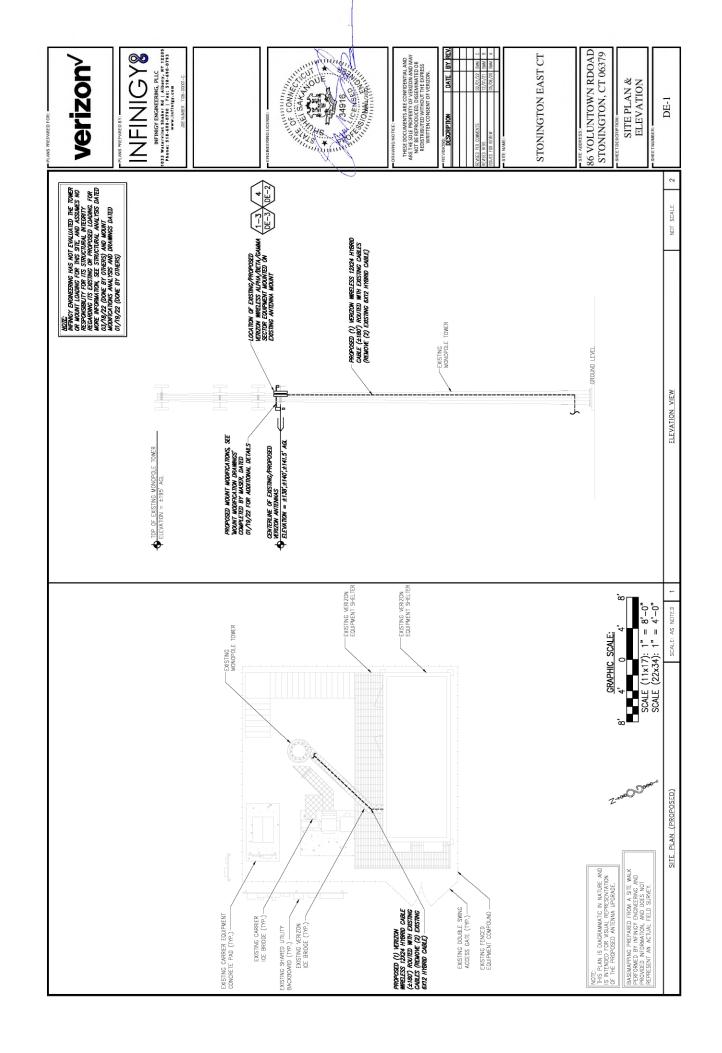
Daniel F. Caruso

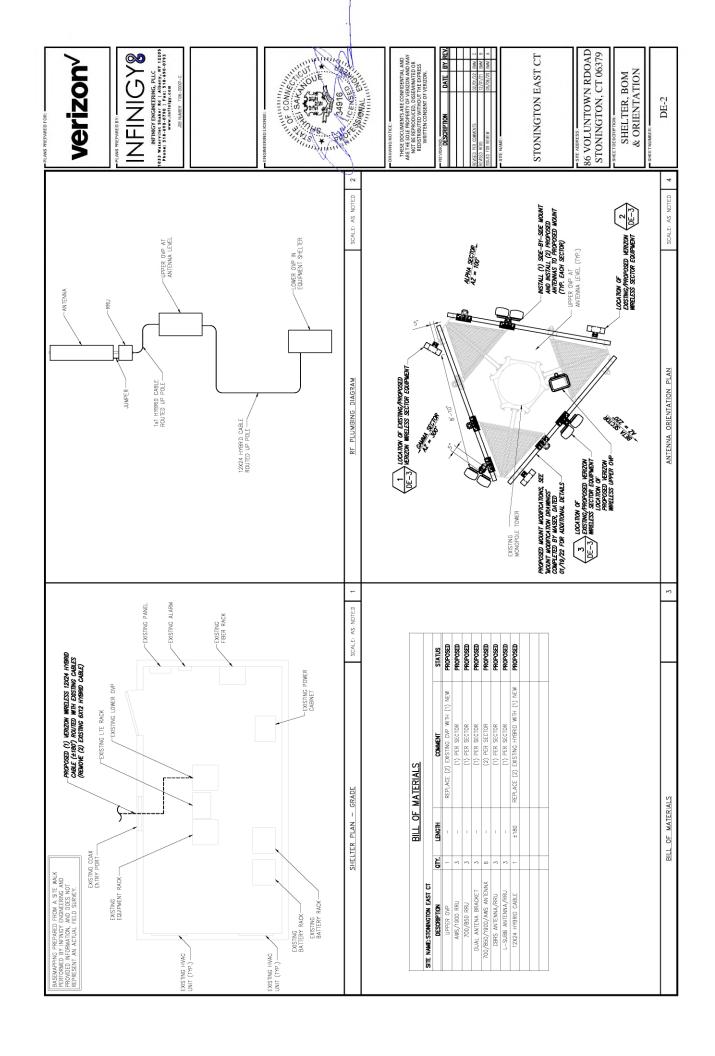
Chairman

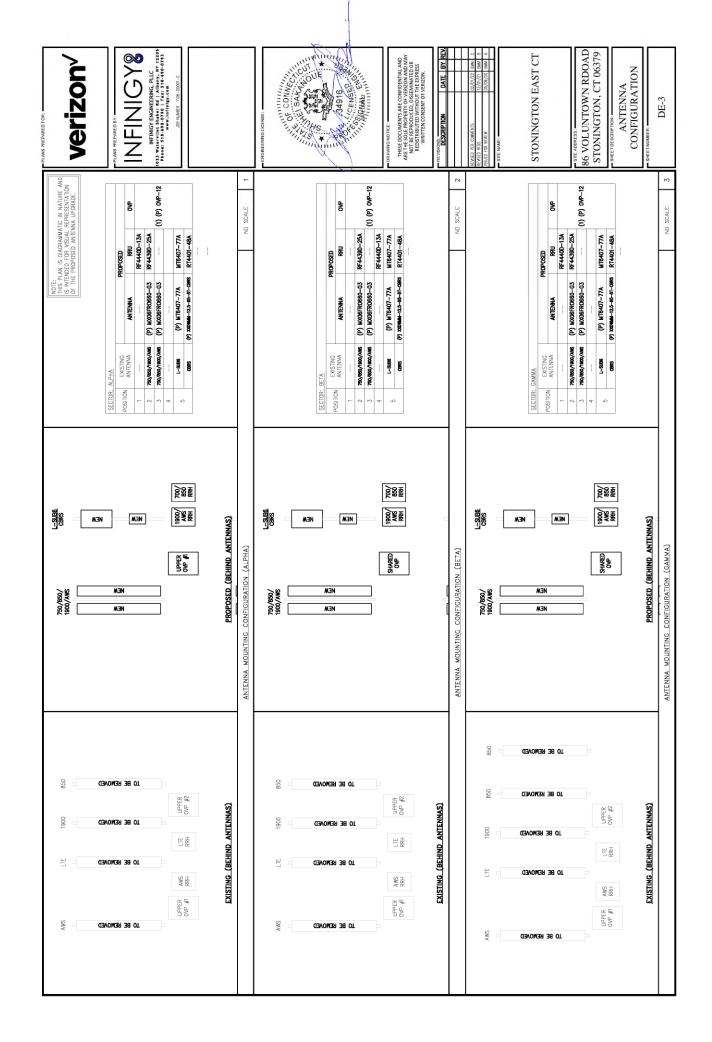
DFC/MP/laf

c: The Honorable William S. Brown, First Selectman, Town of Stonington Jason Vincent, Town Planner, Town of Stonington Thomas J. Regan, Esq., Brown Rudnick Berlack Israels LLP Christopher B. Fisher, Esq., Cuddy & Feder LLP Christine Farrell, T-Mobile Inc.

ATTACHMENT 2









MX06FRO660-03

NWAV™ X-Pol Hex-Port Antenna

X-Pol Hex-Port 6 ft 60° Fast Roll Off antenna with independent tilt on 700 & 850 MHz:

2 ports 698-798, 824-894 MHz and 4 ports 1695-2180 MHz

- Fast Roll Off (FRO™) azimuth beam pattern improves Intra- and Inter-cell SINR
- Compatible with dual band 700/850 MHz radios with independent low band EDT without external diplexers
- Fully integrated (iRETs) with independent RET control for low and high bands for ease of network optimization
- SON-Ready array spacing supports beamforming capabilities
- Suitable for LTE/CDMA/PCS/UMTS/GSM air interface technologies
- Integrated Smart Bias-Ts reduce leasing costs

Fast Roll-Off antennas increase data throughput without compromising coverage

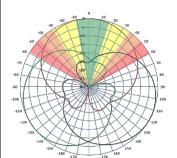
The horizontal beam produced by Fast Roll-Off (FRO) technology increases the Signal to Interference & Noise Ratio (SINR) by eliminating overlap between sectors .

JMA's FRO antenna pattern minimizes overlap, thereby minimizing interference.

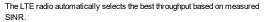
Non-FRO antenna

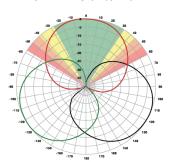
ntenna Large traditional antenna pattern overlap creates harmful interference.

JMA FRO antenna



LTE throughput	SINR	Speed (bps/Hz)	Speed increase	CQI
Excellent	>18	>4.5	333+%	8-10
Good	15-18	3.3-4.5	277%	6-7
Fair	10-15	2-3.3	160%	4-6
Poor	<10	<2	0%	1-3







Electrical specification (minimum/maximum)	Ports 1, 2 Ports 3, 4, 5, 6		Ports 1, 2		;
Frequency bands, MHz	698-798	824-894	1695-1880	1850-1990	1920-2180
Polarization	± 4	± 45°		± 45°	
Average gain over all tilts, dBi	14.4	14.0	17.6	18.0	18.2
Horizontal beamwidth (HBW), degrees	60.5	53.0	55.0	55.0	55.5
Front-to-back ratio, co-polar power @180°± 30°, dB	>24	>24.0	>25.0 >25.0 >25.0		>25.0
X-Pol discrimination (CPR) at boresight, dB	>15.0	>14.2	>18	>18	>15
Sector power ratio, percent	<3.5	<3.0	<3.7	<3.8	<3.6
Vertical beamwidth (VBW), degrees ¹	13.1	11.8	6.0	5.5	5.5
Electrical downtilt (EDT) range, degrees	2-14	2-14	0-9		
First upper side lobe (USLS) suppression, dB ¹	≤-15.0	≤-16.5	≤-16.0 ≤-16.0 ≤-16.0		
Cross-polar isolation, port-to-port, dB ¹	25	25	25	25	25
Max VSWR / return loss, dB	1.5:1	1.5:1 / -14.0			
Max passive intermodulation (PIM), 2x20W carrier, dBc	-153 -153				
Max input power per any port, watts	300 250				
Total composite power all ports, watts	1500				

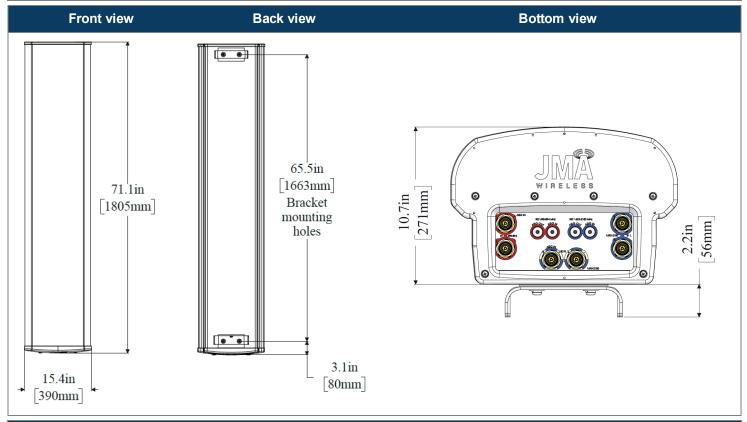
¹ Typical value over frequency and tilt



MX06FRO660-03

NWAV™ X-Pol Hex-Port Antenna

Mechanical specifications	
Dimensions height/width/depth, inches (mm)	71.3/ 15.4/ 10.7 (1811/ 392/ 273)
Shipping dimensions length/width/height, inches (mm)	82/ 20/ 15 (2083/ 508/ 381)
No. of RF input ports, connector type, and location	6 x 4.3-10 female, bottom
RF connector torque	96 lbf·in (10.85 N·m or 8 lbf·ft)
Net antenna weight, lb (kg)	60 (27.0)
Shipping weight, lb (kg)	90 (41.0)
Antenna mounting and downtilt kit included with antenna	91900318
Net weight of the mounting and downtilt kit, lb (kg)	18 (8.18)
Range of mechanical up/down tilt	-2° to 14°
Rated wind survival speed, mph (km/h)	150 (241)
Frontal, lateral, and rear wind loading @ 150 km/h, lbf (N)	154 (685), 73 (325), 158 (703)
Equivalent flat plate @ 100 mph and Cd=2, sq ft	2.6



Ordering information		
Antenna model	Description	
MX06FRO660-03	6F X-Pol HEX FRO 60° independent tilt 700/850 RET, 4.3-10 & SBT	
Optional accessories		
AISG cables	M/F cables for AISG connections	
PCU-1000 RET controller	Stand-alone controller for RET control and configurations	



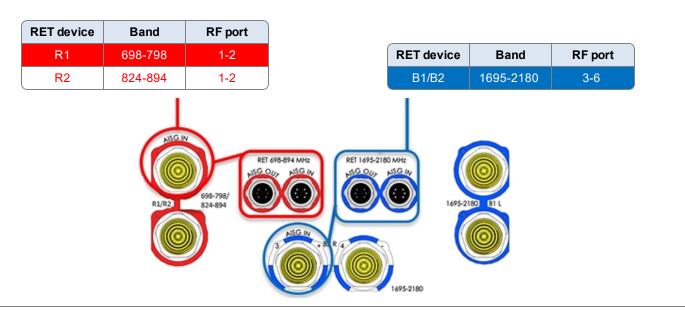
MX06FRO660-03

NWAV™ X-Pol Hex-Port Antenna

Remote electrical tilt (RET 1000) information		
RET location	Integrated into antenna	
RET interface connector type	8-pin AISG connector per IEC 60130-9	
RET connector torque	Min 0.5 N⋅m to max 1.0 N⋅m (hand pressure & finger tight)	
RET interface connector quantity	2 pairs of AISG male/female connectors	
RET interface connector location	Bottom of the antenna	
Total no. of internal RETs (low bands)	2	
Total no. of internal RETs (high bands)	1	
RET input operating voltage, vdc	10-30	
RET max power consumption, idle state, W	≤ 2.0	
RET max power consumption, normal operating conditions, W	≤ 13.0	
RET communication protocol	AISG 2.0 / 3GPP	

RET and RF connector topology

Each RET device can be controlled either via the designated external AISG connector or RF port as shown below:

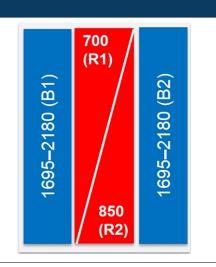


Array topology

3 sets of radiating arrays

R1/R2: 698-894 MHz B1: 1695-2180 MHz B2: 1695-2180 MHz

Band	RF port
1695-2180	3-4
698-894	1-2
1695-2180	5-6



SAMSUNG

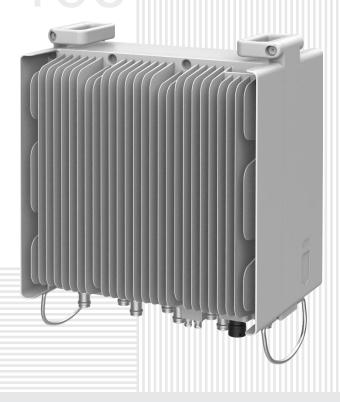
AWS/PCS MACRO RADIO

DUAL-BAND AND HIGH POWER FOR MACRO COVERAGE

Samsung's future proof dual-band radio is designed to help effectively increase the coverage areas in wireless networks. This AWS/PCS 4T4R dual-band radio has 4Tx/4Rx to 2Tx/2Rx RF chains options and a total output power of 320W, making it ideal for macro sites.

Model Code

RF4439d-25A

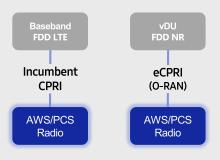




Points of Differentiation

Continuous Migration

Samsung's AWS/PCS macro radio can support each incumbent CPRI interface as well as advanced eCPRI interfaces. This feature provides installable options for both legacy LTE networks and added NR networks.



Baseband

ecosystem.

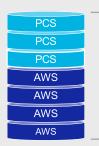
O-RAN Compliant

Samsung Dual-band Radio

Optimum Spectrum Utilization

The number of required carriers varies according to site (region). Supporting many carriers is essential for using all frequencies that the operator has available.

The new AWS/PCS dual-band radio can support up to 3 carriers in the PCS (1.9GHz) band and 4 carriers in the AWS (2.1GHz) band, respectively.



Supports up to 7 carriers

Brand New Features in a Compact Size

O-RAN Compliant

A standardized O-RAN radio can help in implementing cost-

effective networks, which are capable of sending more data

eCPRI

)-RAN

Samsung's state-of-the-art O-RAN technology will help accelerate the effort toward constructing a solid O-RAN

without compromising additional investments.

Samsung's AWS/PCS macro radio offers several features, such as dual connectivity for baseband for both CDU and vDU, O-RAN capability, more carriers and an enlarged PCS spectrum, combined into an incumbent radio volume of 36.8L.



2 FH connectivity O-RAN capability

> More carriers and spectrum

Same as an incumbent radio volume



Technical Specifications

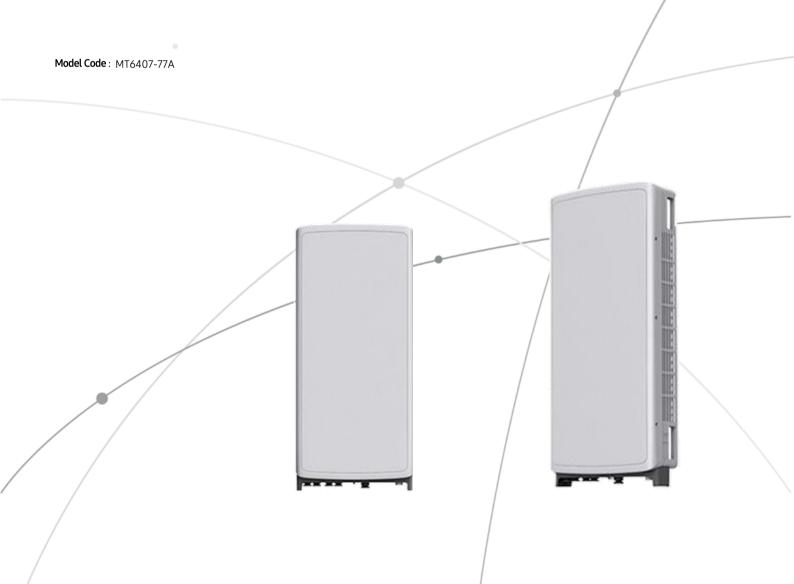
Item	Specification
Tech	LTE/NR
Brand	B25(PCS), B66(AWS)
Frequency Band	DL: 1930 – 1995MHz, UL: 1850 – 1915MHz DL: 2110 – 2200MHz, UL: 1710 – 1780MHz
RF Power	(B25) 4 × 40W or 2 × 60W (B66) 4 × 60W or 2 × 80W
IBW/OBW	(B25) 65MHz / 30MHz (B66) DL 90MHz, UL 70MHz / 60MHz
Installation	Pole, Wall
Size/ Weight	14.96 x 14.96 x 10.04inch (36.8L) / 74.7lb

SAMSUNG

SAMSUNG C-Band 64T64R Massive MIMO Radio

for High Capacity and Wide Coverage

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



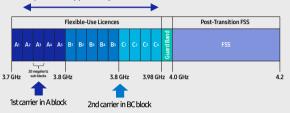
Points of Differentiation

Wide Bandwidth

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

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

C-Band spectrum supported by Massive MIMO Radio



Enhanced Performance

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

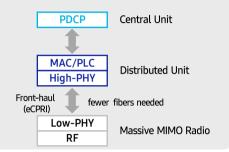
This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

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



Future Proof Product

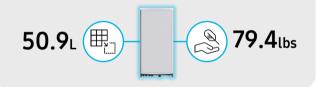
Samsung C-Band 64T64R Massive MIMO radio supports not only CPRI but also eCPRI as front-haul interface. It enables operators can cut down on OPEX/CAPEX by reducing front-haul bandwidth through low layer split and using ethernet based higher efficient line.



Well Matched Design

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

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





Technical Specifications

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



About Samsung Electronics Co., Ltd.

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

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

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SAMSUNG

700/850MHZ **MACRO RADIO**

DUAL-BAND AND HIGH POWER FOR MACRO COVERAGE

Samsung's future proof dual-band radio is designed to help effectively increase the coverage areas in wireless networks. This 700/850MHz 4T4R dual-band radio has 4Tx/4Rx to 2Tx/2Rx RF chains options and a total output power of 320W, making it ideal for macro sites.

Model Code

RF4440d-13A





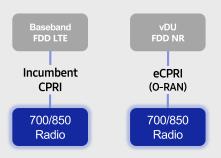
Homepage



Points of Differentiation

Continuous Migration

Samsung's 700/850MHz macro radio can support each incumbent CPRI interface as well as an advanced eCPRI interface. This feature provides installable options for both legacy LTE networks and added NR networks.



O-RAN Compliant

A standardized O-RAN radio can help when implementing cost-effective networks because it is capable of sending more data without compromising additional investments.

Samsung's state-of-the-art O-RAN technology will help accelerate the effort toward constructing a solid O-RAN ecosystem.



Optimum Spectrum Utilization

The number of required carriers varies according to site (region). The ability to support many carriers is essential for using all frequencies that the operator has available.

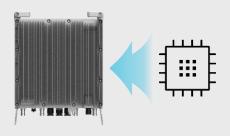
The new 700/850MHz dual-band radio can support up to 2 carriers in the B13 (700MHz) band and 3 carriers in the B5 (850MHz) band, respectively.



Secured Integrity

Access to sensitive data is allowed only to authorized

The Samsung radio's CPU can protect root of trust, which is credential information to verify SW integrity, and secure storage provides access control to sensitive data by using dedicated hardware (TPM).





Technical Specifications

Item	Specification
Tech	LTE / NR
Brand	B13(700MHz), B5(850MHz)
Frequency Band	DL: 746 – 756MHz, UL: 777 – 787MHz DL: 869 – 894MHz, UL: 824 – 849MHz
RF Power	(B13) 4 × 40W or 2 × 60W (B5) 4 × 40W or 2 × 60W
IBW/OBW	(B13) 10MHz / 10MHz (B5) 25MHz / 25MHz
Installation	Pole, Wall
Size/ Weight	14.96 x 14.96 x 9.05inch (33.2L) / 70.33 lb

[CBRS] Clip-on Antenna Specifications

VzW accepted IP45 in FLD, but IP55 is Samsung Spec.

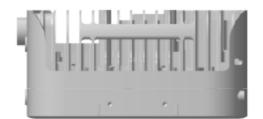


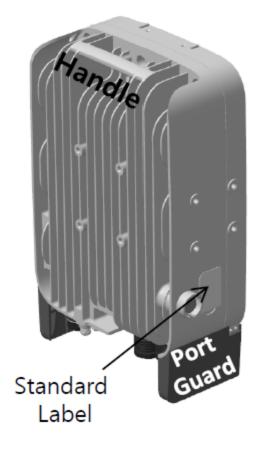
Items	Clip-on Antenna, BASTA**	
Antenna Gain	12.5 ± 0.5 dBi (Max 13 dBi)	
Horizontal BW (-3dB)	65° ± 5°	
Vertical BW (-3dB)	17° ±3°	
Electrical Tilt	8° (fixed) $\pm 2^{\circ}$	
Front-to-Back Ratio	> 25 dB	
Port-to-Port Tracking	< 3 dB	
VSWR	< 1.5	
Isolation	> 25 dB	
Ingress Protection	IP55	
Size	220(W)×313(H)×34.3(D) mm (*) (8.7 x 12.3 x 1.4 inch.)	
Weight	< 2.0 kg [Typ. 1.3 kg]	
It is required that the radio should be weatherproofed properly with JMA WPS Boot with external antenna or with Weatherproof Boot for clip-on antennas.		

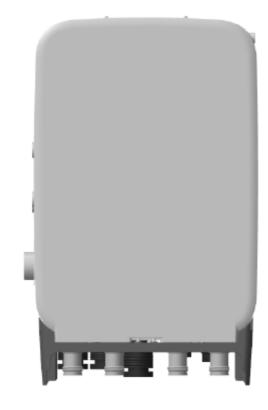
Antenna includes integrated cable with connector * Design is subject to minor change

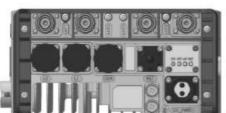
^{**} Ant. spec. follows NGMN recommendations on Base Station Antenna Standards (BASTA). For example, 'mean ± tolerance of 86.6%' is applied to double-sided specification of statistical RF parameters.

[CBRS RRH] Spec.









Current Size: 216 x 307 x 105.5 mm (6.99L) (8.5 x 12.1 x 4.1 inch., excluding Port Guard)

Design is subject to minor change

Item	Specification
Band	Band 48 (3.5 GHz)
Frequency	3550~3700 MHz
IBW	150 MHz
OBW	80 MHz
# of Carriers	5/10/15/20 MHz x 4 carriers
RF Chain	4TX / 4RX
RF Output Power	4 path x 5 W (Total: 20 W = 43 dBm)
& EIRP	(EIRP: 47 dBm / 10 MHz)
RX Sensitivity	Typical: -101.5 dBm @ 1 Rx (3GPP 36.104, Wide Area)
Modulation	256-QAM support (1024-QAM with 1~2dB power back-off)
	-48 VDC (-38 to -57 VDC, 1 SKU),
Input Power	with clip-on AC-DC converter (Option)
Power Consumption	About 160 Watt @ 100% RF load, typical conditions
Volume	Under 7L (w/o Antenna), Under 9.6L (with antenna)
Weight	Under 8.0 kg (18.64 lb) (w/o Antenna), Under 10.5 Kg (with ant.)
Operating Temperature	-40°C (-40°F) ~ 55°C (131°F) (W/o solar load)
Cooling	Natural convection
Universal Engineers	3GPP 36.104 Category A
Unwanted Emission	[B48] : FCC 47 CFR 96.41 e)
Optic Interface	20km, 2 ports (9.8Gbps x 2), SFP, single mode, duplex or Bi-Di
CPRI Cascade	Not supported
# of Antenna Port	4
External Alarm (UDA)	4
RET	AISG 2.2
TMA & built-in Bias-T I//F and PIM cancellation	Not supported
	Pole, wall, tower, back to back, side by side (for external ant),
Mounting Options	3 RRH with Clip-on Antenna on the pole
Antonna Tyna	Integrated (Clip-on) antenna (Option),
Antenna Type	External antenna (Option)
NB-IoT	Not Supported (HW Resource reserved
NBIOI	for 1 Guard Band NB-IoT per LTE carrier)
Spectrum Analyzer	TX/RX Support
External Alarm (UDA)	4
5G NR	Support with S/W upgrade
XRAN	Support with S/W upgrade

ATTACHMENT 3

	General	Power	Density					
Site Name: Stonington E								
Tower Height: Verizon @ 138,	140 and 141.5ft							
CARRIER	# OF CHAN.	WATTS ERP	HEIGHT	FREQ.	CALC. POWER DENS	MAX. PERMISS.EXP.	FRACTION MPE	Total
*Sprint	1	438	195	850	0.0044	0.5667	0.08%	
*Sprint	2	438	195	850	0.0088	0.5667	0.16%	
*Sprint	5	623	195	1900	0.0314	1.0000	0.31%	
*Sprint	2	1556	195	1900	0.0313	1.0000	0.31%	
*Sprint	8	778	195	2500	0.0627	1.0000	0.63%	
*T-Mobile	1	1340	167	1900	0.0186	1.0000	0.19%	
*T-Mobile	1	503	167	1900	0.0070	1.0000	0.07%	
*T-Mobile	2	4690	167	1900	0.1301	1.0000	1.30%	
*T-Mobile	2	5409	167	2100	0.1501	1.0000	1.50%	
*T-Mobile	4	927	167	700	0.0514	0.4667	1.10%	
*T-Mobile	2	789	167	600	0.0219	0.4000	0.55%	
*T-Mobile	2	592	167	600	0.01642646	0.4	0.41%	
*T-Mobile	1	982	167	2500	0.013623973	1	0.14%	
*T-Mobile	1	982	167	2500	0.013623973	1	0.14%	
*T-Mobile	1	15461	167	2500	0.214501262	1	2.15%	
*T-Mobile	1	15461	167	2500	0.214501262	1	2.15%	
*MetroPCS	3	727	130	2140	0.0510	1.0000	0.51%	
*AT&T	2	885	150	700	0.0307	0.4667	0.66%	
*AT&T	2	650	150	850	0.0225	0.5667	0.40%	
*AT&T	4	1181	150	2100	0.0819	1.0000	0.82%	
*AT&T	2	1040	150	850	0.0361	0.5667	0.64%	
*AT&T	4	509	150	700	0.0353	0.4667	0.76%	
*AT&T	4	1194	150	1900	0.0828	1.0000	0.83%	
*AT&T	4	1194	150	1900	0.0828	1.0000	0.83%	
*AT&T	2	424	150	850	0.0147	0.5667	0.26%	
VZW 700	4	623	140	751	0.0046	0.5007	0.91%	
VZW Cellular	4	623	140	874	0.0046	0.5827	0.79%	
VZW PCS	4	1462	140	1972.5	0.0107	1.0000	1.07%	
VZW AWS	4	1640	140	2120	0.0120	1.0000	1.20%	
VZW CBRS		53	138	3625	0.0004	1.0000	0.04%	
VZW CBAND	2	13335	141.5	3730.08	0.0479	1.0000	4.79%	
	- -			3.30.03	5.547.5		5 / 0	25.669
* Source: Siting Council			1					_5.00/

ATTACHMENT 4



Tower Engineering Solutions

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

Structural Analysis Report

Existing 196 ft Valmont Monopole

Customer Name: SBA Communications Corp

Customer Site Number: CT00595-S Customer Site Name: Stonington East

Carrier Name: Verizon (App#: 172453-1)

Carrier Site ID / Name: 117846 / Stonington East CT

Site Location: 86 Voluntown Road

Stonington, Connecticut

New London County

Latitude: 41.405539

Longitude: -71.845247

Analysis Result:

Max Structural Usage: 99.6% [Pass]

Max Foundation Usage: 88.0% [Pass]

Additional Usage Caused by Mount Modification: +0.72%

Report Prepared By: Changzhi Zang



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Report Prepared By: Changzhi Zang

Introduction

The purpose of this report is to summarize the analysis results on the 196 ft Valmont Monopole to support the proposed antennas and transmission lines in addition to those currently installed. Any modification listed under Sources of Information was assumed completed and was included in this analysis.

Sources of Information

	T				
Tower Drawings	Tower Drawing prepared by Valmont, Order #17507-98 dated 6/23/96				
Foundation Drawing	Foundation Drawing prepared by Valmont, Drawing #17507-S-01 dated 7/9/98				
Geotechnical Report	Geotechnical Report prepared by SAGE, Project #G004 dated 6/10/98				
Modification Drawings	N/A				
Mount Analysis	Verizon MA and MMD by Maser Consulting, Project # 21777818A (Rev. 2), dated				
	01/19/2022				
	TMO MA by TES, Project #119406, dated 01/05/2022				

Analysis Criteria

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

Wind Speed Used in the Analysis: 128.0 mph (3-Sec. Gust) (Ultimate wind speed)
Wind Speed with Ice: 50 mph (3-Sec. Gust) with 1" radial ice concurrent

Service Load Wind Speed: 60 mph + 0" Radial ice

Standard/Codes: TIA-222-H / 2015 IBC / 2018 Connecticut State Building Code

Exposure Category: C
Risk Category: II
Topographic Category: 1
Crest Height: 0 ft

Seismic Parameters: $S_S = 0.184$, $S_1 = 0.052$

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.

Existing Antennas, Mounts and Transmission Lines

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

	(ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
1	1 3		RFS - APXVSPP18-C-A20 - Panel			
2		3	RFS - APXVTM14-C-120 - Panel			
3		3	Alcatel Lucent - 1900MHz RRH		1	Constant
4	4 195.0		Alcatel Lucent - TD-RRH8x20-25	Low Profile Platform	(4) 1 1/4"	Sprint
5		3	Alcatel Lucent - 800MHz RRH			Nextel
6		3	Alcatel Lucent - 800MHz Filter			
7		4	RFS - ACU-A20-N - RET			
8		3	Commscope VV-65A-R1 – Panel	Low profile platform w/		
9		3	RFS APXVAALL24-43-U-NA20 – Panel	Handrails & Reinforcement Kit (Sitepro PRK-1245;		
10	167.0	3	Ericsson AIR6449 B41 – Panel	Commscope VSR.MS-B; Sitepro HRK-12-U;	(8) 1 5/8" (3) 1 5/8" Fiber	T-Mobile
11	167.0		Ericsson 4449 B71 + B85 – RRU	Sitepro PRK-SFS-L + (3) Pipe	(1) 1.9" Fiber	1 WOOME
12			Ericsson 4460 B25 + B66 – RRU	2.5STD x 8' mount pipes; New Sitepro1 SCX x -43		
13		3	Ericsson KRY 112 144/1 – TMA	cross-over plate assemblies		
14			Powerwave 7770			
15		2	Kathrein 800-10966			
16	6		Kathrein 800-10964		(12) 1 5/8"	1
17		3	Cci HPA65R-BU4A	(1) Low Profile Platform	(12) 1 5/8 (1) 1/2" Fiber	
18	150.0	6	Powerwave LGP21401 TMA	(2) 2-1/2" std. Pipe Mast	(1) 1/2 Fiber (1) 2" Conduit*	AT&T
19	6		Powerwave LGP13519 Diplexer	(1) SitePro1 HRK14	(2) 3/4" DC	
20		3	Ericsson 4449 B5/B12	(Handrail Kit)	(2,0)	
21			Ericsson RRUS 8843 B2 B66A			
22			Raycap DC6-48-60-18-8F			
-		2	Commscope - LNX-8513DS-VTM - Panel			
-		2	RFS - APL866513 - Panel			
-	-	6	Commscope - HBXX-6517DS-A2M - Panel		(12) 1 5/8" **	
	- 140.0 3 - 3 - 3 - 1 29 3		Commscope - LNX-6414DS-A1M - Panel	Low Profile Platform	(2) 1 5/8"	Verizon
			ALU - RRH2x40 700 - RRU		Hybrid**	
			ALU - RRH2x60-2100 - RRU			
			RFS - DB-T1-6Z-8AB-0Z - Junction Box			
29			JMA Wireless MX08FRO665-21 - Panel			
30	}	3	Fujitsu TA08025-B605 - RRU	Low-profile platform w/HRK		Dish
31	125.0	3	Fujitsu TA08025-B604 - RRU	[Commscope MC-PK8-DSH]	(1) 1.6" Hybrid	Wireless
32	}	1	Raycap RDIDC-9181-PF-48 - OVP	[seminocope wie i no boil]		1111 01033

^{*(1) 2&}quot; conduit to house (2) 3/4" DC and (1) 1/2" Fiber.

^{**(12) 1 5/8&}quot; and (2) 1 5/8" Hybrid outside tower.

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

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

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
22	141.5	3	Samsung MT6407-77A - Panel			
23		6	JMA Wireless MX06FRO660-03 - Panel	Low Profile Platform		
24	140.0	3	Samsung RF4439d 25A - RRU	Modified w/ SUPPORT RAIL KIT	(12) 1 5/8"	
25	140.0	3	Samsung RF4440d 13a - RRU	(PART #: VZWSMART-PLK1)	(2) 1 5/8"	Verizon
26		1	Raycap RVZDC-6627-PF-48 - COVP	& (3) JMA 91900314-02	Hybrid	
27	138.0	3	Samsung XXDWMM-12.5-65-8TCBRS - Panel	Q (3) 3NIA 31300314 02		

See the attached coax layout for the line placement considered in the analysis.

Analysis Results

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

	Pole shafts	Anchor Bolts	Base Plate
Max. Usage:	99.6%	82.0%	81.7%
Pass/Fail	Pass	Pass	Pass

Foundations

	Moment (Kip-Ft)	Shear (Kips)	Axial (Kips)
Analysis Reactions	7374.1	59.9	72.3

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

Service Load Condition (Rigidity):

Operational characteristics of the tower are found to be within the limits prescribed by TIA-222 for the installed antennas. The maximum twist/sway at the elevation of the proposed equipment is 1.4577 degrees under the operational wind speed as specified in the Analysis Criteria.

Conclusions

Based on the analysis results, the existing structure and its foundation were found to be adequate to safely support the existing and proposed equipment and meet the minimum requirements per the TIA-222 Standard under the design basic wind speed as specified in the Analysis Criteria.

Standard Conditions

- 1. This analysis was performed based on the information supplied to (TES) Tower Engineering Solutions, LLC. Verification of the information provided was not included in the Scope of Work for TES. The accuracy of the analysis is dependent on the accuracy of the information provided.
- 2. The structural analysis was performance based upon the evidence available at the time of this report. All information provided by the client is considered to be accurate.
- 3. The analyses will be performed based on the codes as specified by the client or based on the best knowledge of the engineering staff of TES. In the absence of information to the contrary, all work will be performed in accordance with the latest relevant revision of ANSI/TIA-222. If wind speed and/or ice loads are different from the minimum values recommended by the ANSI/TIA-222 standard or other codes, TES should be notified in writing and the applicable minimum values provided by the client.
- 4. The configuration of the existing mounts, antennas, coax and other appurtenances were supplied by the customer for the current structural analysis. TES has not visited the tower site to verify the adequacy of the information provided. If there is any discrepancy found in the report regarding the existing conditions, TES should be notified immediately to evaluate the effect of the discrepancy on the analysis results.
- 5. The client will assume responsibility for rework associated with the differences in initially provided information, including tower and foundation information, existing and/or proposed equipment and transmission lines.
- 6. If a feasibility analysis was performed, final acceptance of changed conditions shall be based upon a rigorous structural analysis.

Usage Diagram - Max Ratio 99.56% at 0.0ft

Structure: CT00595-S-SBA Code: EIA/TIA-222-H

Site Name: Stonington East Exposure: С 1.1 Height: 196.00 (ft) Gh:

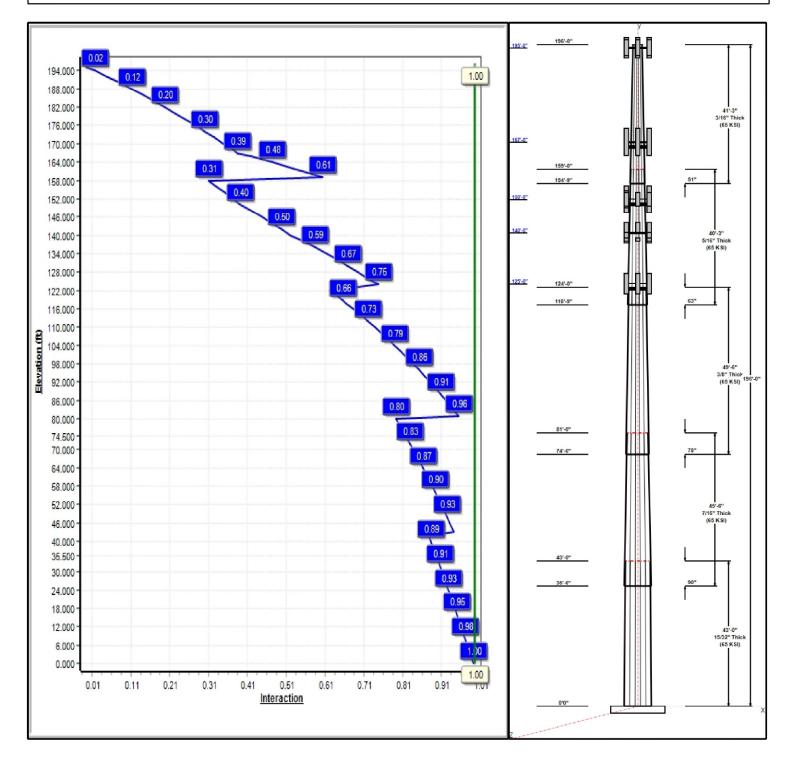
Base Elev: 0.000 (ft)

3/18/2022 ((1))

Dead Load Factor: 1.20 32 Iterations: Wind Load Factor: 1.00 Load Case: 1.2D + 1.0W 128 mph Wind

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Page: 1



Structure: CT00595-S-SBA

Type: Tapered

Site Name: Stonington East

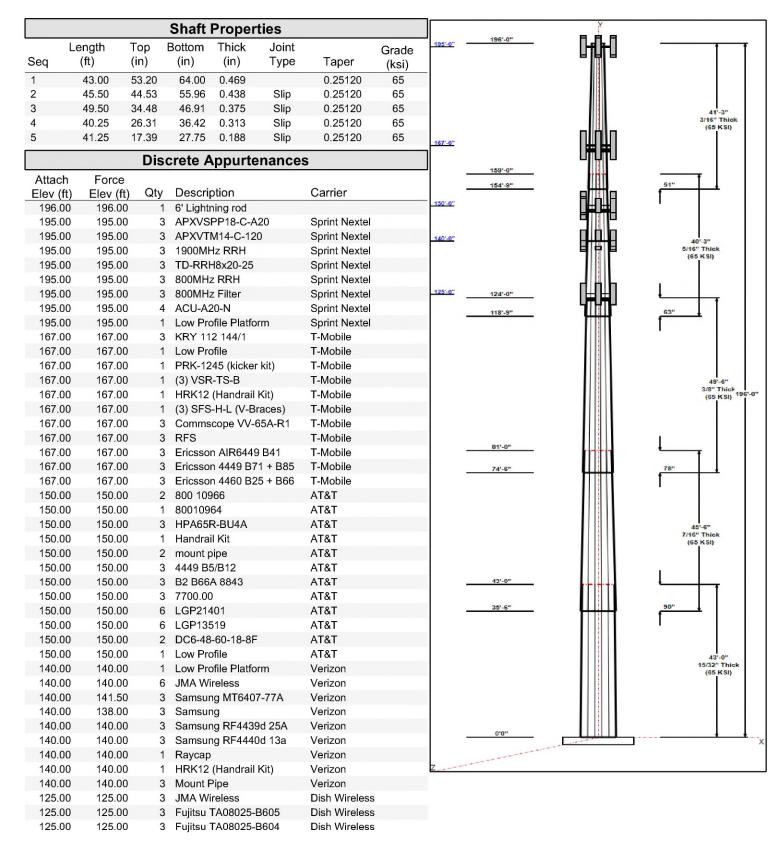
Height: 196.00 (ft) Base Elev: 0.00(ft)

Base Shape: 3/18/2022 12 Sided

> Taper: 0.25120

> > Page: 2





Structure: CT00595-S-SBA

Type: Tapered Base Shape: 12 Sided 3/18/2022

Site Name: Stonington East

196.00 (ft) Height: **Base Elev:** 0.00 (ft)

Taper: 0.25120

Page: 3



125.00	125.00	1	Raycap	Dish Wireless
125.00	125.00	1	Commscope MC-PK8-DSH	Dish Wireless
30.00	30.00	1	GPS	Sprint Nextel

	Linear Appurtenances											
Elev	Elev											
From (ft)	To (ft)	Placement	Description	Carrier								
0.00	195.00	Inside	1 1/4" Coax	Sprint Nextel								
0.00	167.00	Inside	1 5/8" Coax	T-Mobile								
0.00	167.00	Inside	1 5/8" Fiber	T-Mobile								
0.00	167.00	Inside	1.9" Fiber	T-Mobile								
0.00	150.00	Inside	1 5/8" Coax	AT&T								
0.00	150.00	Inside	1/2" Fiber	AT&T								
0.00	150.00	Inside	2" Conduit	AT&T								
0.00	150.00	Inside	3/4" DC	AT&T								
0.00	140.00	Outside	1 5/8" Coax	Verizon								
0.00	140.00	Outside	1 5/8" Hybrid	Verizon								
0.00	125.00	Outside	1.6" Hybrid	Dish Wireless								
		_										

Anchor Bolts								
Grade								
Qty Specifications (ksi) Arrangement								
24 2.25" 18J 75.0 Radial								

	Base Plate											
Thickness (in)	Specifications (in)	Grade (ksi)	Geometry									
2.5000	78.8	60.0	Polygon									

Reactions										
	Moment	Shear	Axial							
Load Case	(FT-Kips)	(Kips)	(Kips)							
1.2D + 1.0W 128 mph Wind	7374.1	59.9	72.3							
0.9D + 1.0W 128 mph Wind	7279.0	59.9	54.2							
1.2D + 1.0Di + 1.0Wi 50 mph Wind	1583.4	12.4	99.1							
1.0D + 1.0W 60 mph Wind	1440.9	11.8	60.3							

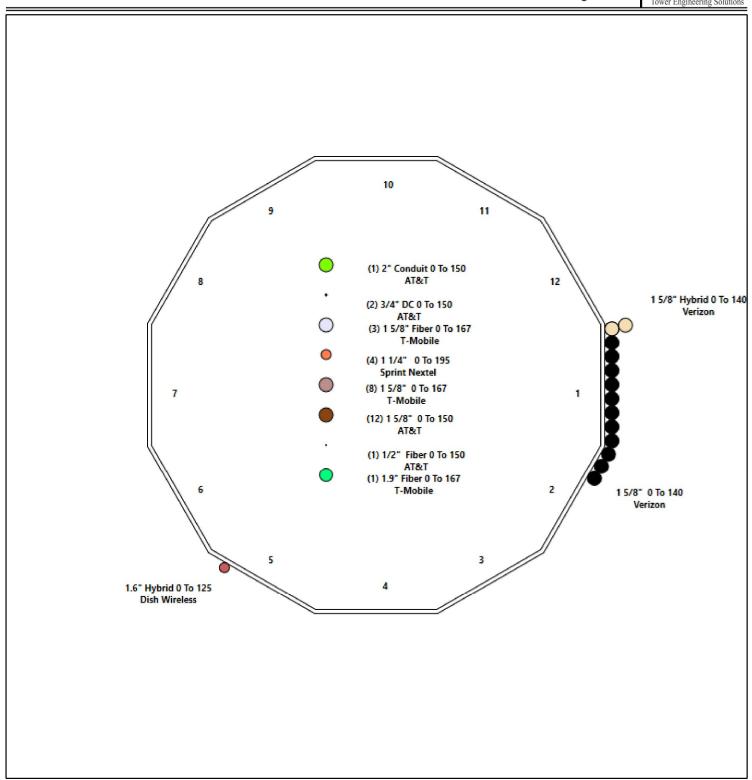
Structure: CT00595-S-SBA - Coax Line Placement

Type: Monopole 3/18/2022

Site Name: Stonington East Height: 196.00 (ft)

Page: 4



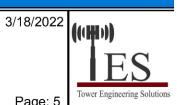


Shaft Properties

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

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



Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	12	43.000	0.4688	65		0.00	12,838
2	12	45.500	0.4375	65	Slip	90.00	10,863
3	12	49.500	0.3750	65	Slip	78.00	8,200
4	12	40.250	0.3125	65	Slip	63.00	4,280
5	12	41.250	0.1875	65	Slip	51.00	1,897

Total Shaft Weight: 38,078

	Bottom							Тор						
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	64.00	0.00	95.89	49402.09	34.44	136.53	53.20	43.00	79.59	28245.4	28.27	113.4	0.251199	
2	55.96	35.50	78.21	30772.78	32.13	127.90	44.53	81.00	62.11	15411.7	25.13	101.7	0.251199	
3	46.91	74.50	56.19	15532.14	31.38	125.10	34.48	124.00	41.18	6112.05	22.49	91.94	0.251199	
4	36.42	118.7	36.33	6046.28	29.08	116.54	26.31	159.00	26.16	2256.60	20.42	84.19	0.251199	
5	27.75	154.7	16.64	1613.96	37.52	148.01	17.39	196.00	10.39	392.30	22.71	92.75	0.251199	

Load Summary

Structure: CT00595-S-SBA **Code:** TIA-222-H 3/18/2022

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

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



Discrete Appurtenances

					No Ice		Ice				
No.	Elev (ft)	Description	Qty	Weight (lb)	CaAa (sf)	CaAa Factor	Weight (lb)	CaAa (sf)	CaAa Factor	Hor. Ecc. (ft)	Vert Ecc (ft)
1	196.00	6' Lightning rod	1	6.50	0.38	1.00	31.36	1.125	1.00	0.00	0.00
2		APXVSPP18-C-A20	3	57.00	8.02	0.83	175.30	9.932	0.83	0.00	0.00
3	195.00	APXVTM14-C-120	3	56.00	6.34	0.79	158.87	7.086	0.79	0.00	0.00
4	195.00	1900MHz RRH	3	44.00	3.80	0.50	118.71	4.751	0.50	0.00	0.00
5	195.00	TD-RRH8x20-25	3	70.00	4.05	0.50	140.71	4.592	0.50	0.00	0.00
6	195.00	800MHz RRH	3	59.50	2.64	0.50	112.89	3.432	0.50	0.00	0.00
7	195.00	800MHz Filter	3	8.80	0.78	0.50	20.87	1.223	0.50	0.00	0.00
8	195.00	ACU-A20-N	4	1.00	0.14	0.50	3.94	0.343	0.50	0.00	0.00
9	195.00	Low Profile Platform	1	1500.00	22.00	1.00	2395.80	34.087	1.00	0.00	0.00
10	167.00	KRY 112 144/1	3	11.00	0.41	0.50	18.27	0.730	0.50	0.00	0.00
11	167.00	Low Profile Platform-Round	1	1500.00	22.00	1.00	2382.03	33.901	1.00	0.00	0.00
12	167.00	PRK-1245 (kicker kit)	1	464.91	9.50	1.00	683.61	16.203	1.00	0.00	0.00
13	167.00	(3) VSR-TS-B	1	369.30	11.43	1.00	612.51	21.108	1.00	0.00	0.00
14	167.00	HRK12 (Handrail Kit)	1	261.72	6.75	1.00	471.02	11.195	1.00	0.00	0.00
15	167.00	(3) SFS-H-L (V-Braces)	1	230.00	6.70	1.00	446.39	11.428	1.00	0.00	0.00
16		Commscope VV-65A-R1	3	23.81	5.92	0.73	191.82	7.173	0.77	0.00	0.00
17	167.00	RFS APXVAALL24-43-U-NA20	3	122.80	20.24	0.73	399.36	21.505	0.73	0.00	0.00
18	167.00	Ericsson AIR6449 B41	3	103.00	5.65	0.71	195.40	6.290	0.71	0.00	0.00
19	167.00	Ericsson 4449 B71 + B85	3	73.20	1.97	0.50	112.11	2.354	0.50	0.00	0.00
20		Ericsson 4460 B25 + B66	3	104.00	2.14	0.50	192.06	2.845	0.50	0.00	0.00
21		800 10966	2	125.70	17.36	0.72	352.82	18.548	0.72	0.00	0.00
22		80010964	1	94.80	10.00	0.71	240.37	10.850	0.71	0.00	0.00
23		HPA65R-BU4A	3	28.70	4.96	0.85	117.48	5.594	0.85	0.00	0.00
24		Handrail Kit	1	261.72	6.75	1.00	468.78	11.148	1.00	0.00	0.00
25		mount pipe	2	87.00	3.31	1.00	176.08	6.067	1.00	0.00	0.00
26		4449 B5/B12	3	71.00	1.97	0.50	106.59	2.335	0.50	0.00	0.00
27		B2 B66A 8843	3	70.00	1.64	0.50	100.66	1.984	0.50	0.00	0.00
28		7700.00	3	16.00	1.73	0.79	48.59	2.111	0.81	0.00	0.00
29		LGP21401	6	14.10	1.29	0.50	30.77	1.847	0.50	0.00	0.00
30		LGP13519	6	5.30	0.34	0.50	11.63	0.643	0.50	0.00	0.00
31		DC6-48-60-18-8F	2	31.80	1.47	0.50	73.02	1.937	0.50	0.00	0.00
32		Low Profile Platform-Round	1	1500.00	22.00	1.00	2372.61	33.774	1.00	0.00	0.00
33		Low Profile Platform	1	1500.00	22.00	1.00	2366.61	33.693	1.00	0.00	0.00
34		JMA Wireless MX06FRO660-03	6	60.00	9.87	0.87	228.97	10.764	0.87	0.00	0.00
35		Samsung MT6407-77A	3	79.40	4.69	0.70	153.03	5.310	0.75	0.00	1.50
36		Samsung	3	23.14	0.89	0.82	44.79	1.154	0.82	0.00	-2.00
37		Samsung RF4439d 25A	3	74.70	4.59	0.50	107.88	5.615	0.50	0.00	0.00
38		Samsung RF4440d 13a	3	70.33	4.14	0.50	101.57	5.064	0.50	0.00	0.00
39		Raycap RVZDC-6627-PF-48	1	32.00	4.06	1.00	107.43	4.604	1.00	0.00	0.00
40		HRK12 (Handrail Kit)	1	261.72	6.75	1.00	467.36	11.118	1.00	0.00	0.00
41		Mount Pipe	3	40.00	2.60	0.75	93.15	6.507	0.75	0.00	0.00
42		JMA Wireless MX08FRO665-21	3	64.50	12.49	0.73	254.91	13.449	0.73	0.00	0.00
43		Fujitsu TA08025-B605	3	75.00	1.96	0.74	109.24	2.327	0.50	0.00	0.00
44		Fujitsu TA08025-B003	3	63.90	1.96	0.50	97.04	2.327	0.50	0.00	0.00
45		Raycap RDIDC-9181-PF-48	1	21.90	2.01	0.50	56.76	2.382	0.50	0.00	0.00
46		Commscope MC-PK8-DSH	1	1727.00	37.59	1.00	2831.89	68.510	1.00	0.00	0.00
47	30.00	•	1	10.00	1.00	1.00	26.64	1.404	1.00	0.00	0.00
47	50.00	Tatala		14.040.24	1.00	1.00	20.04	1.404	1.00	0.00	0.00

Totals: 116 14,940.31 28,322.84

Discrete Appurtenances

					No Ice		Ice					
	Elev			Weight	CaAa	CaAa	Weight	CaAa	СаАа	Hor. Ecc.	Vert Ecc	
No.	(ft)	Description	Qty	(lb)	(sf)	Factor	(lb)	(sf)	Factor	(ft)	(ft)	

Linear Appurtenances

Bottom Elev.	Top Elev.		Exposed		
(ft)	(ft)	Description	Width	Exposed	
0.00	195.00	(4) 1 1/4" Coax	0.00	Inside	
0.00	167.00	(8) 1 5/8" Coax	0.00	Inside	
0.00	167.00	(3) 1 5/8" Fiber	0.00	Inside	
0.00	167.00	(1) 1.9" Fiber	0.00	Inside	
0.00	150.00	(12) 1 5/8" Coax	0.00	Inside	
0.00	150.00	(1) 1/2" Fiber	0.00	Inside	
0.00	150.00	(1) 2" Conduit	0.00	Inside	
0.00	150.00	(2) 3/4" DC	0.00	Inside	
0.00	140.00	(12) 1 5/8" Coax	0.00	Outside	
0.00	140.00	(2) 1 5/8" Hybrid	4.00	Outside	
0.00	125.00	(1) 1.6" Hybrid	1.60	Outside	

Shaft Section Properties

Structure: CT00595-S-SBA **Code:** TIA-222-H 3/18/2022

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: II Page: 8



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)
0.00		0.4688	64.000	95.892	49402.1	34.44	136.53	67.2	1491.	0.0
2.00		0.4688	63.498	95.134	48239.3	34.15	135.46	67.5	1467.	650.0
4.00		0.4688	62.995	94.376	47095.0	33.87	134.39	67.8	1444.	644.9
6.00		0.4688	62.493	93.618	45968.8	33.58	133.32	68.1	1421.	639.7
8.00		0.4688	61.990	92.859	44860.8	33.29	132.25	68.4	1398.	634.5
10.00		0.4688	61.488	92.101	43770.7	33.00	131.17	68.7	1375.	629.4
12.00		0.4688	60.986	91.343	42698.5	32.72	130.10	69.0	1352.	624.2
14.00		0.4688	60.483	90.584	41643.9	32.43	129.03	69.3	1330.	619.1
16.00		0.4688	59.981	89.826	40606.7	32.14	127.96	69.7	1307.	613.9
18.00		0.4688	59.478	89.068	39587.0	31.86	126.89	70.0	1285.	608.7
20.00		0.4688	58.976	88.309	38584.5	31.57	125.82	70.3	1263.	603.6
22.00		0.4688	58.474	87.551	37599.0	31.28	124.74	70.6	1242.	598.4
24.00		0.4688	57.971	86.793	36630.5	30.99	123.67	70.9	1220.	593.3
26.00		0.4688	57.469	86.034	35678.7	30.71	122.60	71.2	1199.	588.1
28.00		0.4688	56.966	85.276	34743.6	30.42	121.53	71.5	1178.	582.9
30.00		0.4688	56.464	84.518	33825.0	30.13	120.46	71.9	1157.	577.8
32.00		0.4688	55.962	83.760	32922.7	29.85	119.38	72.2	1136.	572.6
34.00		0.4688	55.459	83.001	32036.6	29.56	118.31	72.5	1116.	567.5
35.50	Bot - Section 2	0.4688	55.082	82.433	31382.5	29.34	117.51	72.7	1100.	422.2
36.00		0.4688	54.957	82.243	31166.5	29.27	117.24	72.8	1095.	273.0
38.00		0.4688	54.454	81.485	30312.3	28.98	116.17	73.1	1075.	1085.8
40.00		0.4688	53.952	80.726	29473.9	28.70	115.10	73.4	1055.	1075.8
42.00		0.4688	53.450		28651.1	28.41	114.03		1035.	1065.8
43.00	Top - Section 1	0.4375	54.073		27745.2	30.97	123.60	0.0	0.0	529.2
44.00		0.4375	53.822	75.206	27357.2	30.82	123.02		981.9	256.5
46.00		0.4375	53.320	74.498		30.51	121.87		963.5	509.4
48.00		0.4375	52.817	73.790	25841.3	30.20	120.73		945.2	504.6
50.00		0.4375	52.315		25104.9	29.90	119.58		927.1	499.8
52.00		0.4375	51.813		24382.6	29.59	118.43		909.1	495.0
54.00		0.4375	51.310	71.667	23674.2	29.28	117.28		891.3	490.1
56.00		0.4375	50.808	70.959	22979.7	28.97	116.13		873.8	485.3
58.00		0.4375	50.305	70.251		28.67	114.98		856.3	480.5
60.00		0.4375	49.803	69.544		28.36	113.84		839.1	475.7
62.00		0.4375	49.301	68.836	20978.0	28.05	112.69		822.0	470.9
64.00		0.4375	48.798	68.128	20337.6	27.74	111.54		805.1	466.1
66.00		0.4375	48.296	67.420	19710.3	27.44	110.39		788.4	461.2
68.00		0.4375	47.793	66.713	19096.1	27.13	109.24		771.9	456.4
70.00		0.4375	47.291	66.005	18494.7	26.82	108.09		755.5	451.6
72.00		0.4375	46.789	65.297	17906.1	26.51	106.95		739.3	446.8
74.00		0.4375	46.286		17330.2	26.20	105.80		723.3	442.0
74.50	Bot - Section 3	0.4375	46.161		17188.1	26.13	105.51		719.3	109.7
76.00	Bot - decilon o	0.4375	45.784		16766.7	25.90	104.65		707.5	613.1
78.00		0.4375	45.281		16215.6	25.59	103.50		691.8	809.6
80.00		0.4375	44.779		15676.7	25.28	103.30		676.3	800.7
81.00	Top - Section 2	0.3750	45.278		13953.9	30.21	120.74	0.0	0.0	397.0
82.00	10p - 0600011 2	0.3750	45.027		13721.0	30.03	120.74		588.7	184.0
84.00		0.3750					118.73			364.9
86.00		0.3750	44.524 44.022		13263.1 12815.4	29.67			575.5 562.4	360.7
						29.31	117.39			356.6
88.00		0.3750	43.519		12378.0	28.95	116.05		549.5	
90.00		0.3750	43.017	51.490	11950.6	28.59	114.71	13.5	536.7	352.5

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)
92.00	 	0.3750	42.515	50.884	11533.1	28.23	113.37	73.9		348.4
94.00		0.3750	42.012	50.277	11125.5	27.88	112.03		511.6	344.2
96.00		0.3750	41.510	49.670	10727.6	27.52	110.69	74.7	499.3	340.1
98.00		0.3750	41.007	49.064	10339.4	27.16	109.35	75.1	487.1	336.0
100.00		0.3750	40.505	48.457	9960.6	26.80	108.01		475.1	331.8
102.00		0.3750	40.003	47.850	9591.1	26.44	106.67	75.9		327.7
104.00		0.3750	39.500	47.244	9230.9	26.08	105.33		451.5	323.6
106.00		0.3750	38.998	46.637	8879.9	25.72	103.99		439.9	319.5
108.00		0.3750	38.496	46.031	8537.9	25.36	102.65		428.5	315.3
110.00		0.3750	37.993	45.424	8204.7	25.00	101.31	77.4	417.2	311.2
112.00		0.3750	37.491	44.817	7880.4	24.64	99.98	77.8	406.1	307.1
114.00		0.3750	36.988	44.211	7564.7	24.29	98.64	78.2	395.1	302.9
116.00		0.3750	36.486	43.604	7257.5	23.93	97.30	78.6	384.3	298.8
118.00		0.3750	35.984	42.997	6958.8	23.57	95.96	79.0	373.6	294.7
118.75	Bot - Section 4	0.3750	35.795	42.770	6848.9	23.43	95.45	79.2	369.6	109.4
120.00		0.3750	35.481	42.391	6668.4	23.21	94.62	79.4	363.1	335.0
122.00		0.3750	34.979	41.784	6386.2	22.85	93.28	79.8	352.7	529.8
124.00	Top - Section 3	0.3125	35.101	35.006	5407.7	27.95	112.32	0.0	0.0	522.3
125.00		0.3125	34.850	34.753	5291.4	27.74	111.52	74.5	293.3	118.7
126.00		0.3125	34.599	34.501	5176.8	27.52	110.72	74.7	289.0	117.8
128.00		0.3125	34.097	33.995	4952.5	27.09	109.11	75.2	280.6	233.1
130.00		0.3125	33.594	33.490	4734.8	26.66	107.50	75.6	272.3	229.6
132.00		0.3125	33.092	32.984	4523.6	26.23	105.89	76.1	264.1	226.2
134.00		0.3125	32.589	32.479	4318.8	25.80	104.29	76.6	256.0	222.8
136.00		0.3125	32.087	31.973	4120.3	25.37	102.68	77.0	248.1	219.3
138.00		0.3125	31.585	31.467	3927.9	24.94	101.07	77.5	240.2	215.9
140.00		0.3125	31.082	30.962	3741.6	24.51	99.46		232.6	212.4
142.00		0.3125	30.580	30.456	3561.3	24.08	97.86		225.0	209.0
144.00		0.3125	30.077	29.951	3386.9	23.65	96.25		217.5	205.6
146.00		0.3125	29.575	29.445	3218.3	23.22	94.64	79.4	210.2	202.1
148.00		0.3125	29.073	28.940	3055.3	22.78	93.03	79.9		198.7
150.00		0.3125	28.570	28.434	2898.0	22.35	91.42	80.3		195.2
152.00		0.3125	28.068	27.929	2746.2	21.92	89.82		189.0	191.8
154.00		0.3125	27.565	27.423	2599.7	21.49	88.21		182.2	188.4
154.75	Bot - Section 5	0.3125	27.377	27.234	2546.2	21.33	87.61		179.7	69.7
156.00		0.3125	27.063	26.918	2458.6	21.06	86.60		175.5	185.5
158.00		0.3125	26.561	26.412	2322.6	20.63	84.99		168.9	292.4
159.00	Top - Section 4	0.1875	26.684	15.997	1433.6	35.99	142.32	0.0	0.0	144.1
160.00		0.1875	26.433	15.846	1393.2	35.63	140.98	65.9		54.2
162.00		0.1875	25.931	15.542	1314.7	34.91	138.30	66.6		106.8
164.00		0.1875	25.428	15.239	1239.2	34.20	135.62	67.4		104.7
166.00		0.1875	24.926	14.936	1166.7	33.48	132.94	68.2	90.4	102.7
167.00		0.1875	24.675	14.784	1131.5	33.12	131.60	68.6		50.6
168.00		0.1875	24.424	14.633	1097.1	32.76	130.26	69.0	86.8	50.0
170.00		0.1875	23.921	14.329	1030.2	32.04	127.58	69.8	83.2	98.6
172.00		0.1875	23.419	14.026	966.2	31.32	124.90	70.6		96.5
174.00		0.1875	22.916	13.723	904.9	30.61	122.22	71.3	76.3	94.4
176.00		0.1875	22.414	13.419	846.2	29.89	119.54	72.1	72.9	92.4
178.00		0.1875	21.912	13.116	790.1	29.17	116.86	72.9	69.7	90.3
180.00		0.1875	21.409	12.813	736.5	28.45	114.18	73.7	66.5	88.2 86.2
182.00 184.00		0.1875 0.1875	20.907	12.509 12.206	685.4	27.73	111.50	74.5	63.3 60.3	84.1
186.00		0.1875	20.404 19.902	11.903	636.8 590.5	27.02 26.30	108.82 106.14	75.3 76.0	57.3	82.0
		0.1875								80.0
188.00 190.00		0.1875	19.400 18.897	11.599 11.296	546.5 504.7	25.58	103.46	76.8	54.4 51.6	77.9
190.00		0.1875	18.395	10.993	465.1	24.86 24.14	100.79 98.11	77.6 78.4		77.9 75.8
194.00		0.1875	17.892	10.993	405.1	23.43	95.43	79.2		73.8
195.00		0.1875	17.692	10.538	427.7	23.43	94.09	79.2		36.1
196.00		0.1875	17.390	10.336	392.3	22.71	92.75	79.9		35.6
150.00		0.1075	17.390	10.300	352.3	22.1	32.13	19.9	45.0	33.0

Increment Length: 2 (ft)

Elev		Thick	Dia	Area	lx	W/t	D/t	Fpy	S	Weight
(ft)	Description	(in)	(in)	(in^2)	(in^4)	Ratio	Ratio	(ksi)	(in^3)	(lb)

38078.0

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: ||



Load Case: 1.2D + 1.0W 128 mph Wind

Dead Load Factor 1.20 Wind Load Factor 1.00

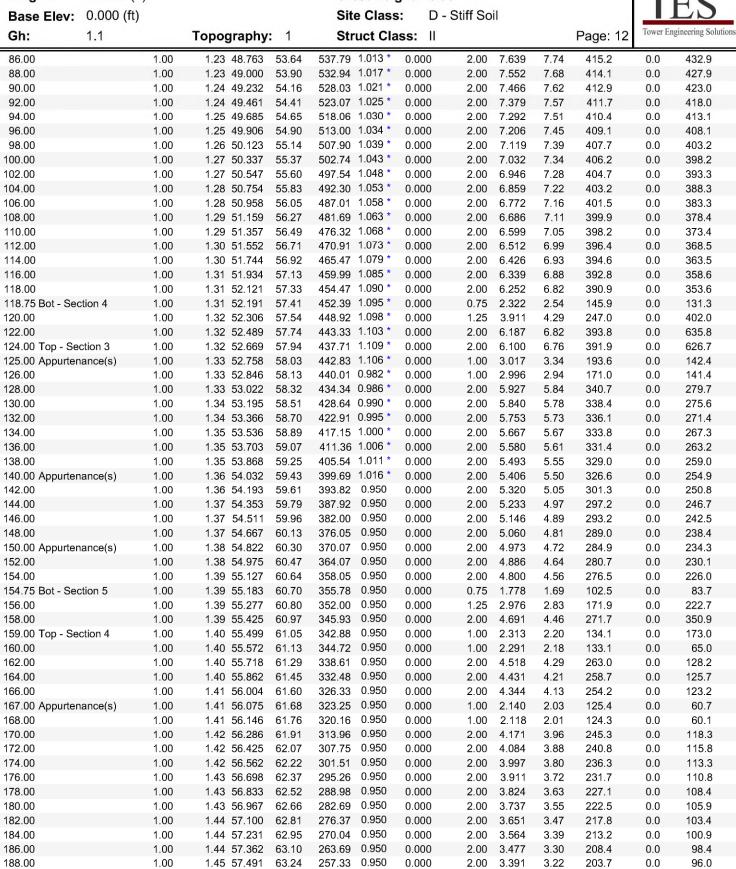


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Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	lce Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	33.806	37.19	650.99	0.950	0.000	0.00	0.000	0.00	0.0	0.0	0.0
2.00		1.00	0.85	33.806	37.19	645.88	0.950	0.000	2.00	11.000	10.45	388.6	0.0	780.0
4.00		1.00	0.85	33.806	37.19	640.77	0.950	0.000	2.00	10.913	10.37	385.5	0.0	773.8
6.00		1.00	0.85	33.806	37.19	635.66	0.950	0.000	2.00	10.826	10.28	382.5	0.0	767.6
8.00		1.00	0.85	33.806	37.19	630.55	0.950	0.000	2.00	10.740	10.20	379.4	0.0	761.4
10.00		1.00	0.85	33.806	37.19	625.44	0.950	0.000	2.00	10.653	10.12	376.3	0.0	755.3
12.00		1.00	0.85	33.806	37.19	620.33	0.950	0.000	2.00	10.566	10.04	373.3	0.0	749.1
14.00		1.00	0.85	33.806	37.19	615.22	0.950	0.000	2.00	10.479	9.96	370.2	0.0	742.9
16.00		1.00		34.224	37.65	613.86	0.950	0.000	2.00	10.393	9.87	371.7	0.0	736.7
18.00		1.00	0.88	35.083	38.59	616.31	0.950	0.000	2.00	10.306	9.79	377.8	0.0	730.5
20.00		1.00		35.870	39.46	617.92	0.950	0.000	2.00	10.219	9.71	383.1	0.0	724.3
22.00		1.00		36.597	40.26	618.84		0.000		10.133	9.63	387.5	0.0	718.1
24.00		1.00		37.274	41.00	619.17		0.000		10.046	9.54	391.3	0.0	711.9
26.00		1.00		37.907	41.70	618.99	0.950	0.000	2.00	9.959	9.46	394.5	0.0	705.7
28.00		1.00		38.503	42.35	618.39	0.950	0.000	2.00	9.873	9.38	397.2	0.0	699.5
	ourtenance(s)	1.00		39.066	42.97	617.40	0.950	0.000	2.00	9.786	9.30	399.5	0.0	693.3
32.00		1.00		39.601	43.56	616.08	0.950	0.000	2.00	9.699	9.21	401.4	0.0	687.1
34.00		1.00		40.110	44.12	614.46	0.950	0.000	2.00	9.613	9.13	402.9	0.0	680.9
	- Section 2	1.00		40.476	44.52	613.06	0.950	0.000	1.50	7.153	6.79	302.5	0.0	506.6
36.00	OCCION 2	1.00		40.595	44.65	612.56	0.950	0.000	0.50	2.411	2.29	102.3	0.0	327.6
38.00		1.00		41.060	45.17			0.000	2.00	9.590	9.11	411.5	0.0	1303.0
40.00		1.00		41.506	45.66	608.07		0.000	2.00	9.504	9.03	412.2	0.0	1291.0
42.00		1.00		41.934	46.13	605.51		0.000	2.00	9.417	8.97	413.6	0.0	1279.0
	- Section 1	1.00		42.142	46.36	604.16		0.000	1.00	4.676	4.46	206.8	0.0	635.0
44.00	- Occilon 1	1.00		42.347	46.58	612.72		0.000	1.00	4.654	4.43	206.1	0.0	307.8
46.00		1.00		42.745	47.02	609.85		0.000	2.00	9.243	8.81	414.1	0.0	611.3
48.00		1.00		43.130	47.44	606.82		0.000	2.00	9.157	8.75	415.1	0.0	605.5
50.00		1.00		43.502	47.85	603.63		0.000	2.00	9.070	8.69	415.1	0.0	599.7
52.00		1.00		43.863	48.25	600.31		0.000	2.00	8.983	8.63	416.6	0.0	594.0
54.00		1.00		44.213	48.63	596.86		0.000	2.00	8.897	8.58	417.1	0.0	588.2
56.00		1.00		44.552	49.01	593.28		0.000	2.00	8.810	8.52	417.5	0.0	582.4
58.00		1.00		44.883	49.37		0.970 *	0.000	2.00	8.723	8.46	417.3	0.0	576.6
60.00		1.00		45.204	49.72	585.79		0.000	2.00	8.637	8.40	417.7	0.0	570.8
		1.00		45.517	50.07	581.88		0.000	2.00	8.550	8.35	417.9	0.0	565.1
62.00 64.00		1.00		45.823	50.40	577.88		0.000	2.00	8.463	8.29	417.9	0.0	559.3
					50.40	573.79		0.000	2.00	8.377	8.23	417.6	0.0	
66.00		1.00 1.00		46.120			0.986 *	0.000						553.5
68.00				46.411	51.05	565.34			2.00	8.290	8.17	417.2	0.0	547.7
70.00		1.00		46.695	51.36			0.000	2.00	8.203	8.12	416.8	0.0	541.9
72.00		1.00		46.973	51.67	560.99		0.000	2.00	8.117	8.06	416.3	0.0	536.2
74.00	Continu 2	1.00		47.245	51.97	556.57		0.000	2.00	8.030	8.00	415.7	0.0	530.4
	- Section 3	1.00		47.312		555.46		0.000	0.50	1.994	1.99	103.6	0.0	131.7
76.00		1.00		47.511	52.26	552.08		0.000	1.50	6.046	6.05	316.1	0.0	735.7
78.00		1.00		47.771	52.55	547.52			2.00	7.986	8.01	421.1	0.0	971.5
80.00	0 1: 0	1.00		48.027	52.83	542.89		0.000	2.00	7.899	7.96	420.4	0.0	960.8
81.00 lop	- Section 2	1.00 1.00		48.152 48.277	52.97 53.10	540.55 547.31			1.00 1.00	3.917 3.895	3.96	209.6 208.2	0.0	476.4 220.8
82.00						E 47 04					3.92	7000		

((H))

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00



Structure: CT00595-S-SBA **Code:** TIA-222-H 3/18/2022

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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



Gh: 1.1	1	Topography	: 1	Str	uct Cl	ass: II				Page: 13	Tower I	Engineering Solutions
190.00	1.00	1.45 57.619	63.38	250.94	0.950	0.000	2.00	3.304	3.14	198.9	0.0	93.5
192.00	1.00	1.45 57.747	63.52	244.54	0.950	0.000	2.00	3.217	3.06	194.1	0.0	91.0
194.00	1.00	1.46 57.873	63.66	238.12	0.950	0.000	2.00	3.131	2.97	189.3	0.0	88.5
195.00 Appurtenance	e(s) 1.00	1.46 57.935	63.73	234.91	0.950	0.000	1.00	1.533	1.46	92.8	0.0	43.3
196.00 Appurtenance	e(s) 1.00	1.46 57.998	63.80	231.69	0.950	0.000	1.00	1.511	1.44	91.6	0.0	42.7
* Cf Adjusted by Line	ear Load Ra Effec	t				Totals:	196.00			34,588.4	_	45,693.6

Discrete Appurtenance Forces

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: ||



Load Case: 1.2D + 1.0W 128 mph Wind

Dead Load Factor 1.20 Wind Load Factor 1.00



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No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	196.00	6' Lightning rod	1	57.998	63.798	1.00	1.00	0.38	7.80	0.000	0.000	24.24	0.00	0.00
2	195.00	APXVSPP18-C-A20	3	57.935	63.729	0.66	0.80	15.98	205.20	0.000	0.000	1018.12	0.00	0.00
3	195.00	APXVTM14-C-120	3	57.935	63.729	0.63	0.80	12.02	201.60	0.000	0.000	766.06	0.00	0.00
4	195.00	1900MHz RRH	3	57.935	63.729	0.40	0.80	4.56	158.40	0.000	0.000	290.60	0.00	0.00
5	195.00	TD-RRH8x20-25	3	57.935	63.729	0.40	0.80	4.86	252.00	0.000	0.000	309.72	0.00	0.00
6	195.00	800MHz RRH	3	57.935	63.729	0.40	0.80	3.17	214.20	0.000	0.000	201.89	0.00	0.00
7	195.00	800MHz Filter	3	57.935	63.729	0.40	0.80	0.94	31.68	0.000	0.000	59.65	0.00	0.00
8	195.00	ACU-A20-N	4	57.935	63.729	0.40	0.80	0.22	4.80	0.000	0.000	14.28	0.00	0.00
9	195.00	Low Profile Platform	1	57.935	63.729	1.00	1.00	22.00	1800.00	0.000	0.000	1402.04	0.00	0.00
10	167.00	(3) VSR-TS-B	1	56.075	61.683	1.00	1.00	11.43	443.16	0.000	0.000	705.03	0.00	0.00
11	167.00	PRK-1245 (kicker kit)	1	56.075	61.683	1.00	1.00	9.50	557.89	0.000	0.000	585.99	0.00	0.00
12	167.00	HRK12 (Handrail Kit)	1	56.075		1.00	1.00	6.75	314.06	0.000	0.000	416.36	0.00	0.00
13	167.00	Low Profile	1	56.075		1.00	1.00	22.00	1800.00	0.000	0.000	1357.02	0.00	0.00
14	167.00	KRY 112 144/1	3	56.075		0.38	0.75	0.46	39.60	0.000	0.000	28.45	0.00	0.00
15		Ericsson AIR6449 B41	3	56.075		0.53	0.75	9.03	370.80	0.000	0.000	556.74	0.00	0.00
16		(3) SFS-H-L (V-Braces)	1	56.075		1.00	1.00	6.70	276.00	0.000	0.000	413.27	0.00	0.00
17		Commscope VV-65A-R1	3	56.075		0.55	0.75	9.75	85.72	0.000	0.000	601.42	0.00	0.00
18	167.00		3	56.075		0.55	0.75	33.24	442.08	0.000	0.000	2050.60	0.00	0.00
19		Ericsson 4449 B71 + B85	3	56.075		0.38	0.75	2.22	263.52	0.000	0.000	136.70	0.00	0.00
20		Ericsson 4460 B25 + B66	3	56.075		0.38	0.75	2.41	374.40	0.000	0.000	148.50	0.00	0.00
21		Low Profile	1	54.822		1.00	1.00	22.00	1800.00	0.000	0.000	1326.69	0.00	0.00
22		DC6-48-60-18-8F	2	54.822		0.38	0.75	1.10	76.32	0.000	0.000	66.49	0.00	0.00
23		LGP13519	6	54.822		0.38	0.75	0.77	38.16	0.000	0.000	46.13	0.00	0.00
24		LGP21401	6	54.822		0.38	0.75	2.90	101.52	0.000	0.000	175.03	0.00	0.00
25		Handrail Kit	1	54.822		1.00	1.00	6.75	314.06	0.000	0.000	407.05	0.00	0.00
26		800 10966	2	54.822		0.54	0.75	18.75	301.68	0.000	0.000	1130.63	0.00	0.00
27		80010964	1	54.822		0.53	0.75	5.32	113.76	0.000	0.000	321.12	0.00	0.00
28		HPA65R-BU4A	3	54.822		0.64	0.75	9.49	103.32	0.000	0.000	572.05	0.00	0.00
29		7700.00	3	54.822		0.59	0.75	3.08	57.60	0.000	0.000	185.44	0.00	0.00
30		mount pipe	2	54.822		1.00	1.00	6.62	208.80	0.000	0.000	399.21	0.00	0.00
31		4449 B5/B12	3	54.822		0.38	0.75	2.22	255.60	0.000	0.000	133.65	0.00	0.00
32		B2 B66A 8843	3	54.822		0.38	0.75	1.84	252.00	0.000	0.000	111.26	0.00	0.00
33		Low Profile Platform	1	54.032		1.00	1.00	22.00	1800.00	0.000	0.000	1307.56	0.00	0.00
34		JMA Wireless	6	54.032		0.65	0.75	38.64	432.00	0.000	0.000	2296.62	0.00	0.00
35		Samsung MT6407-77A	3	54.153		0.52	0.75	7.39	285.84	0.000	1.500	440.02	0.00	660.02
36		Samsung	3	53.868		0.61	0.75	1.63	83.30	0.000	-2.000	96.82	0.00	-193.65
37		Samsung RF4440d 13a	3	54.032		0.38	0.75	4.66	253.19	0.000	0.000	276.82	0.00	0.00
38		Samsung RF4439d 25A	3	54.032		0.38	0.75	5.16	268.92	0.000	0.000	306.91	0.00	0.00
39		Raycap	1		59.435	0.75	0.75	3.04	38.40	0.000	0.000	180.98	0.00	0.00
40		HRK12 (Handrail Kit)	1		59.435	1.00	1.00	6.75	314.06	0.000	0.000	401.18	0.00	0.00
41		Mount Pipe Commscope	3		59.435	0.56	0.75	4.39	144.00	0.000	0.000	260.77	0.00	0.00
42 43		Raycap	1	52.758 52.758		1.00 0.38	1.00	37.59	2072.40 26.28	0.000	0.000	2181.48 43.74	0.00	0.00
		• 1					0.75	0.75						
44 45		Fujitsu TA08025-B604 Fujitsu TA08025-B605	3	52.758 52.758		0.38 0.38	0.75	2.21	230.04 270.00	0.000	0.000	127.96 127.96	0.00	0.00
45		JMA Wireless	3	52.758		0.38	0.75 0.75	2.21 20.80	232.20	0.000	0.000	127.96	0.00	0.00
47	30.00		ა 1	39.066		1.00	1.00	1.00	12.00	0.000	0.000	42.97	0.00	0.00
71	50.00	GI U		JJ.000	74.313	1.00	1.00	1.00	12.00	0.000	0.000	72.37	0.00	0.00

Discrete Appurtenance Forces

Structure: CT00595-S-SBA **Code:** TIA-222-H 3/18/2022

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: II



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Totals: 17,928.37 25,260.12

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: II Page: 16



Load Case: 1.2D + 1.0W 128 mph Wind

Dead Load Factor 1.20 Wind Load Factor 1.00

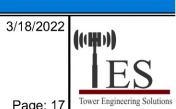


Elev		Lateral FX (-)	Axial FY (-)	Torsion MY	Moment MZ
(ft)	Description	(lb)	(lb)	(lb-ft)	(lb-ft)
0.00		0.00	0.00	0.00	0.00
2.00		388.59	893.95	0.00	0.00
4.00		385.53	887.76	0.00	0.00
6.00		382.47	881.57	0.00	0.00
8.00		379.40	875.37	0.00	0.00
10.00		376.34	869.18	0.00	0.00
12.00		373.28	862.99	0.00	0.00
14.00		370.22	856.80	0.00	0.00
16.00		371.69	850.60	0.00	0.00
18.00		377.84	844.41	0.00	0.00
20.00		383.07	838.22	0.00	0.00
22.00		387.52	832.03	0.00	0.00
24.00		391.30	825.83	0.00	0.00
26.00		394.52	819.64	0.00	0.00
28.00	(1) atta-b	397.23	813.45	0.00	0.00
30.00	(1) attachments	442.48	819.25	0.00	0.00
32.00		401.39	801.06	0.00	0.00
34.00		402.91	794.87	0.00	0.00
35.50		302.53	592.09	0.00	0.00
36.00		102.28	356.09	0.00	0.00
38.00		411.49	1416.89	0.00	0.00
40.00		412.20	1404.92	0.00	0.00
42.00		413.56	1392.95	0.00	0.00
43.00		206.81	691.98	0.00	0.00
44.00		206.13	364.78	0.00	0.00
46.00		414.10	725.22	0.00	0.00
48.00		415.09	719.44	0.00	0.00
50.00		415.91	713.66	0.00	0.00
52.00		416.58	707.88	0.00	0.00
54.00		417.10	702.10	0.00	0.00
56.00		417.48	696.32	0.00	0.00
58.00		417.73	690.54	0.00	0.00
60.00		417.85	684.76	0.00	0.00
62.00		417.86	678.98	0.00	0.00
64.00		417.76	673.20	0.00	0.00
66.00		417.75	667.42	0.00	0.00
68.00		417.33	661.64	0.00	0.00
70.00			655.86	0.00	0.00
70.00		416.83 416.33	650.08	0.00	0.00
		415.75	644.30		0.00
74.00				0.00	
74.50		103.62	160.17	0.00	0.00
76.00		316.10	821.13	0.00	0.00
78.00		421.15	1085.45	0.00	0.00
80.00		420.38	1074.71	0.00	0.00
81.00		209.60	533.33	0.00	0.00
82.00		208.19	277.74	0.00	0.00
84.00		416.20	551.77	0.00	0.00

Structure: CT00595-S-SBA Code: TIA-222-H

Site Name: Stonington East Exposure: С Height: 196.00 (ft) Crest Height: 0.00

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



Dase L	Elev: 0.000 (ft)			Site C	lass: D - Stiff Soil	
Gh:	1.1	Торо	ography: 1	Struct	Class:	Page: 17 Tower Engineering Solution
86.00		415.17	546.82	0.00	0.00	•
88.00		414.08	541.86	0.00	0.00	
90.00		412.92	536.91	0.00	0.00	
92.00		411.70	531.96	0.00	0.00	
94.00		410.42	527.00	0.00	0.00	
96.00		409.08	522.05	0.00	0.00	
98.00		407.68	517.09	0.00	0.00	
00.00		406.22	512.14	0.00	0.00	
02.00		400.22	507.18	0.00	0.00	
04.00		403.16	502.23	0.00	0.00	
06.00		401.54	497.28	0.00	0.00	
08.00		399.88	492.32	0.00	0.00	
10.00		398.17	487.37	0.00	0.00	
12.00		396.42	482.41	0.00	0.00	
14.00		394.62	477.46	0.00	0.00	
16.00		392.77	472.50	0.00	0.00	
18.00		390.88	467.55	0.00	0.00	
18.75		145.92	174.05	0.00	0.00	
20.00		246.96	473.19	0.00	0.00	
22.00		393.84	749.72	0.00	0.00	
24.00		391.89	740.64	0.00	0.00	
25.00	(11) attachments	3881.64	3030.31	0.00	0.00	
26.00	()	171.03	197.16	0.00	0.00	
28.00		340.68	391.22	0.00	0.00	
30.00		338.42	387.09	0.00	0.00	
32.00		336.13	382.96	0.00	0.00	
34.00		333.80	378.83	0.00	0.00	
					0.00	
36.00		331.43	374.71	0.00		
38.00	(0.4)	329.04	370.58	0.00	0.00	
40.00	(24) attachments	5894.29	3986.16	0.00	466.37	
42.00		301.27	327.09	0.00	0.00	
44.00		297.23	322.96	0.00	0.00	
46.00		293.16	318.83	0.00	0.00	
48.00		289.05	314.70	0.00	0.00	
50.00	(33) attachments	5159.67	3933.40	0.00	0.00	
52.00		280.71	270.32	0.00	0.00	
54.00		276.49	266.20	0.00	0.00	
54.75		102.50	98.76	0.00	0.00	
56.00		171.90	247.77	0.00	0.00	
58.00		271.70	391.06	0.00	0.00	
59.00		134.14	193.05	0.00	0.00	
60.00		133.06	85.10	0.00	0.00	
62.00		263.04	168.34	0.00	0.00	
64.00		258.66	165.87	0.00	0.00	
66.00		254.24	163.39	0.00	0.00	
67.00	(23) attachments	7125.47	5048.00	0.00	0.00	
68.00	(20) attachments	124.26	63.23	0.00	0.00	
70.00		245.32	124.60	0.00	0.00	
72.00		240.82	122.12	0.00	0.00	
74.00		236.28	119.64	0.00	0.00	
76.00		231.71	117.17	0.00	0.00	
78.00		227.12	114.69	0.00	0.00	
80.00		222.49	112.21	0.00	0.00	
82.00		217.84	109.73	0.00	0.00	
84.00		213.15	107.26	0.00	0.00	
86.00		208.44	104.78	0.00	0.00	
88.00		203.71	102.30	0.00	0.00	

Structure: CT00595-S-SBA Code: TIA-222-H 3/18/2022

Site Name: Stonington East Exposure: С Height: 196.00 (ft) Crest Height: 0.00

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

Struct Class: II



Gn:	1.1	тор	ograpny: 1	Struct	Class: II	Page: 18
190.00		198.94	99.83	0.00	0.00	
192.00		194.15	97.35	0.00	0.00	
194.00		189.33	94.87	0.00	0.00	
195.00	(23) attachments	4155.16	2914.39	0.00	0.00	
196.00	(1) attachments	115.83	50.52	0.00	0.00	
	Totals:	59.848.55	72.390.62	0.00	466.37	

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: II Page: 19



Load Case: 1.2D + 1.0W 128 mph Wind

Dead Load Factor 1.20 Wind Load Factor 1.00



Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (Ib)
2.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.085	0.000	33.806	0.00	29.95
2.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.085	0.000	33.806	0.00	5.28
2.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.085	0.000	33.806	0.00	2.40
4.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.086	0.000	33.806	0.00	29.95
4.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.086	0.000	33.806	0.00	5.28
4.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.086	0.000	33.806	0.00	2.40
6.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.086	0.000	33.806	0.00	29.95
6.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.086	0.000	33.806	0.00	5.28
6.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.086	0.000	33.806	0.00	2.40
8.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.087	0.000	33.806	0.00	29.95
8.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.087	0.000	33.806	0.00	5.28
8.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.087	0.000	33.806	0.00	2.40
10.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.088	0.000	33.806	0.00	29.95
10.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.088	0.000	33.806	0.00	5.28
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.088	0.000	33.806	0.00	2.40
12.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.088	0.000	33.806	0.00	29.95
12.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.088	0.000	33.806	0.00	5.28
12.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.088	0.000	33.806	0.00	2.40
14.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.089	0.000	33.806	0.00	29.95
14.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.089	0.000	33.806	0.00	5.28
14.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.089	0.000	33.806	0.00	2.40
16.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.090	0.000	34.224	0.00	29.95
16.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.090	0.000	34.224	0.00	5.28
16.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.090	0.000	34.224	0.00	2.40
18.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.091	0.000	35.083	0.00	29.95
18.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.091	0.000	35.083	0.00	5.28
18.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.091	0.000	35.083	0.00	2.40
20.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.091	0.000	35.870	0.00	29.95
20.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.091	0.000	35.870	0.00	5.28
20.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.091	0.000	35.870	0.00	2.40
22.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.092	0.000	36.597	0.00	29.95
22.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.092	0.000	36.597	0.00	5.28
22.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.092	0.000	36.597	0.00	2.40
24.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.093	0.000	37.274	0.00	29.95
24.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.093	0.000	37.274	0.00	5.28
24.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.093	0.000	37.274	0.00	2.40
26.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.094	0.000	37.907	0.00	29.95
26.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.094	0.000	37.907	0.00	5.28
26.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.094	0.000	37.907	0.00	2.40
28.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.095	0.000	38.503	0.00	29.95
28.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.095	0.000	38.503	0.00	5.28
28.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.095	0.000	38.503	0.00	2.40
30.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.095	0.000	39.066	0.00	29.95
30.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.095	0.000	39.066	0.00	5.28
30.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.095	0.000	39.066	0.00	2.40
32.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.096	0.000	39.601	0.00	29.95
32.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.096	0.000	39.601	0.00	5.28

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: II Page: 20



Load Case: 1.2D + 1.0W 128 mph Wind

Dead Load Factor 1.20 Wind Load Factor 1.00



Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
32.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.096	0.000	39.601	0.00	2.40
34.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.097	0.000	40.110	0.00	29.95
34.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.097	0.000	40.110	0.00	5.28
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.097	0.000	40.110	0.00	2.40
35.50	1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	0.098	0.000	40.476	0.00	22.46
35.50	1 5/8" Hybrid	Yes	1.50	0.000	4.00	0.50	0.00	0.098	0.000	40.476	0.00	3.96
35.50	1.6" Hybrid	Yes	1.50	0.000	1.60	0.20	0.00	0.098	0.000	40.476	0.00	1.80
	1 5/8" Coax	Yes	0.50	0.000	0.00	0.00	0.00	0.098	0.000	40.595	0.00	7.49
36.00	1 5/8" Hybrid	Yes	0.50	0.000	4.00	0.17	0.00	0.098	0.000	40.595	0.00	1.32
	1.6" Hybrid	Yes	0.50	0.000	1.60	0.07	0.00	0.098	0.000	40.595	0.00	0.60
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.099	0.000	41.060	0.00	29.95
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.099	0.000	41.060	0.00	5.28
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.099	0.000	41.060	0.00	2.40
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.100	0.000	41.506	0.00	29.95
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.100	0.000	41.506	0.00	5.28
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.100	0.000	41.506	0.00	2.40
	1.5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.101	1.002	41.934	0.00	29.95
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.101	1.002	41.934	0.00	5.28
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.07	0.00	0.101	1.002	41.934	0.00	2.40
	1.5 Hybrid 1.5/8" Coax	Yes	1.00	0.000	0.00	0.27	0.00	0.101	1.002	42.142	0.00	14.98
	1 5/8" Hybrid	Yes	1.00	0.000	4.00	0.00	0.00		1.004	42.142	0.00	2.64
	•	Yes	1.00	0.000	1.60	0.33	0.00	0.101	1.004	42.142	0.00	1.20
	1.6" Hybrid							0.101				
	1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.100	1.001	42.347	0.00	14.98
	1 5/8" Hybrid	Yes	1.00	0.000	4.00	0.33	0.00	0.100	1.001	42.347	0.00	2.64
	1.6" Hybrid	Yes	1.00	0.000	1.60	0.13	0.00	0.100	1.001	42.347	0.00	1.20
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.101	1.003	42.745	0.00	29.95
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.101	1.003	42.745	0.00	5.28
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.101	1.003	42.745	0.00	2.40
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.102	1.006	43.130	0.00	29.95
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.102	1.006	43.130	0.00	5.28
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.102	1.006	43.130	0.00	2.40
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.103	1.009	43.502	0.00	29.95
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.103	1.009	43.502	0.00	5.28
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.103	1.009	43.502	0.00	2.40
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.104	1.012	43.863	0.00	29.95
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.104	1.012	43.863	0.00	5.28
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.104	1.012	43.863	0.00	2.40
54.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.105	1.015	44.213	0.00	29.95
54.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.105	1.015	44.213	0.00	5.28
54.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.105	1.015	44.213	0.00	2.40
56.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.106	1.018	44.552	0.00	29.95
56.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.106	1.018	44.552	0.00	5.28
56.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.106	1.018	44.552	0.00	2.40
58.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.107	1.021	44.883	0.00	29.95
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.107	1.021	44.883	0.00	5.28
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.107	1.021	44.883	0.00	2.40
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.108	1.024	45.204	0.00	29.95

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: II Page: 21



Load Case: 1.2D + 1.0W 128 mph Wind

Dead Load Factor 1.20 Wind Load Factor 1.00



Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
60.00 1	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.108	1.024	45.204	0.00	5.28
60.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.108	1.024	45.204	0.00	2.40
62.00 1	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.109	1.027	45.517	0.00	29.95
62.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.109	1.027	45.517	0.00	5.28
62.00 1	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.109	1.027	45.517	0.00	2.40
64.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.110	1.031	45.823	0.00	29.95
64.00 1	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.110	1.031	45.823	0.00	5.28
64.00 1	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.110	1.031	45.823	0.00	2.40
66.00 1	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.111	1.034	46.120	0.00	29.95
66.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.111	1.034	46.120	0.00	5.28
66.00 1	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.111	1.034	46.120	0.00	2.40
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.113	1.038	46.411	0.00	29.95
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.113	1.038	46.411	0.00	5.28
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.113	1.038	46.411	0.00	2.40
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.114	1.041	46.695	0.00	29.95
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.114	1.041	46.695	0.00	5.28
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.114	1.041	46.695	0.00	2.40
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.115	1.045	46.973	0.00	29.95
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.115	1.045	46.973	0.00	5.28
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.115	1.045	46.973	0.00	2.40
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.116	1.049	47.245	0.00	29.95
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.116	1.049	47.245	0.00	5.28
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.116	1.049	47.245	0.00	2.40
	1 5/8" Coax	Yes	0.50	0.000	0.00	0.00	0.00	0.117	1.051	47.312	0.00	7.49
	1 5/8" Hybrid	Yes	0.50	0.000	4.00	0.17	0.00	0.117	1.051	47.312	0.00	1.32
	1.6" Hybrid	Yes	0.50	0.000	1.60	0.07	0.00	0.117	1.051	47.312	0.00	0.60
	1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	0.118	1.053	47.511	0.00	22.46
	1 5/8" Hybrid	Yes	1.50	0.000	4.00	0.50	0.00	0.118	1.053	47.511	0.00	3.96
	1.6" Hybrid	Yes	1.50	0.000	1.60	0.20	0.00	0.118	1.053	47.511	0.00	1.80
	1.5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.119	1.056	47.771	0.00	29.95
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.119	1.056	47.771	0.00	5.28
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.119	1.056	47.771	0.00	2.40
	1.5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.120	1.060	48.027	0.00	29.95
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.120	1.060	48.027	0.00	5.28
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.120	1.060	48.027	0.00	2.40
	1.5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.121	1.063	48.152	0.00	14.98
	1 5/8" Hybrid	Yes	1.00	0.000	4.00	0.33	0.00	0.121	1.063	48.152	0.00	2.64
	1.6" Hybrid	Yes	1.00	0.000	1.60	0.33	0.00	0.121	1.063	48.152	0.00	1.20
	1.5 Trybhd 1.5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.121	1.059	48.277	0.00	14.98
	1 5/8" Hybrid	Yes	1.00	0.000	4.00	0.33	0.00	0.120	1.059	48.277	0.00	2.64
	1.6" Hybrid	Yes	1.00	0.000	1.60	0.33	0.00	0.120	1.059	48.277	0.00	1.20
	1.6 Hybrid 1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.120	1.062	48.522	0.00	29.95
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.121	1.062	48.522	0.00	5.28
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.67	0.00	0.121	1.062	48.522	0.00	2.40
	•											
	1 5/8" Coax	Yes	2.00	0.000	0.00 4.00	0.00 0.67	0.00	0.122 0.122	1.067 1.067	48.763 48.763	0.00	29.95
	1 5/8" Hybrid	Yes	2.00				0.00				0.00	5.28
00.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.122	1.067	48.763	0.00	2.40

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: ||



Load Case: 1.2D + 1.0W 128 mph Wind

Dead Load Factor 1.20 Wind Load Factor 1.00



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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)
88.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.124	1.071	49.000	0.00	29.95
88.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.124	1.071	49.000	0.00	5.28
88.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.124	1.071	49.000	0.00	2.40
90.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.125	1.075	49.232	0.00	29.95
90.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.125	1.075	49.232	0.00	5.28
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.125	1.075	49.232	0.00	2.40
92.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.126	1.079	49.461	0.00	29.95
92.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.126	1.079	49.461	0.00	5.28
92.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.126	1.079	49.461	0.00	2.40
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.128	1.084	49.685	0.00	29.95
94.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.128	1.084	49.685	0.00	5.28
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.128	1.084	49.685	0.00	2.40
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.130	1.089	49.906	0.00	29.95
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.130	1.089	49.906	0.00	5.28
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.130	1.089	49.906	0.00	2.40
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.131	1.093	50.123	0.00	29.95
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.131	1.093	50.123	0.00	5.28
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.131	1.093	50.123	0.00	2.40
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.133	1.098	50.337	0.00	29.95
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.133	1.098	50.337	0.00	5.28
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.133	1.098	50.337	0.00	2.40
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.134	1.103	50.547	0.00	29.95
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.134	1.103	50.547	0.00	5.28
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.134	1.103	50.547	0.00	2.40
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.136	1.108	50.754	0.00	29.95
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.136	1.108	50.754	0.00	5.28
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.136	1.108	50.754	0.00	2.40
	1.5 Trybhd 1.5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.138	1.113	50.958	0.00	29.95
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.138	1.113	50.958	0.00	5.28
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.07	0.00	0.138	1.113	50.958	0.00	2.40
	1.5 Hybrid 1.5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.140	1.119	51.159	0.00	29.95
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.140	1.119	51.159	0.00	5.28
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.07	0.00	0.140	1.119	51.159	0.00	2.40
	1.5 Tryblid 1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.140	1.113	51.357	0.00	29.95
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.141	1.124	51.357	0.00	5.28
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.07	0.00	0.141	1.124	51.357	0.00	2.40
	1.6 Hybrid 1.5/8" Coax	Yes	2.00	0.000	0.00	0.27	0.00	0.141	1.124	51.552	0.00	29.95
			2.00	0.000	4.00	0.67	0.00				0.00	
	1 5/8" Hybrid 1.6" Hybrid	Yes Yes	2.00	0.000	1.60	0.67	0.00	0.143 0.143	1.130 1.130	51.552 51.552	0.00	5.28 2.40
	1.6 Hybrid 1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.145	1.136	51.744	0.00	29.95
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.145	1.136	51.744	0.00	5.28
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.145	1.136	51.744	0.00	2.40
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.147	1.142	51.934	0.00	29.95
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.147	1.142	51.934	0.00	5.28
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.147	1.142	51.934	0.00	2.40
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.149	1.148	52.121	0.00	29.95
118.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.149	1.148	52.121	0.00	5.28

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: ||



Load Case: 1.2D + 1.0W 128 mph Wind

Dead Load Factor 1.20 Wind Load Factor 1.00



Page: 23

Тор		Wind	141		Exposed		0-4-		Cf		- v	Dead
Elev (ft)	Description	Exposed	Length (ft)	Ca	Width (in)	Area (sqft)	CaAa (sqft)	Ra	Adjust Factor	qz (psf)	F X (lb)	Load (lb)
118.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.149	1.148	52.121	0.00	2.40
118.75	1 5/8" Coax	Yes	0.75	0.000	0.00	0.00	0.00	0.151	1.152	52.191	0.00	11.23
118.75	1 5/8" Hybrid	Yes	0.75	0.000	4.00	0.25	0.00	0.151	1.152	52.191	0.00	1.98
118.75	1.6" Hybrid	Yes	0.75	0.000	1.60	0.10	0.00	0.151	1.152	52.191	0.00	0.90
120.00	1 5/8" Coax	Yes	1.25	0.000	0.00	0.00	0.00	0.152	1.155	52.306	0.00	18.72
120.00	1 5/8" Hybrid	Yes	1.25	0.000	4.00	0.42	0.00	0.152	1.155	52.306	0.00	3.30
120.00	1.6" Hybrid	Yes	1.25	0.000	1.60	0.17	0.00	0.152	1.155	52.306	0.00	1.50
122.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.154	1.161	52.489	0.00	29.95
122.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.154	1.161	52.489	0.00	5.28
122.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.154	1.161	52.489	0.00	2.40
124.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.156	1.167	52.669	0.00	29.95
124.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.156	1.167	52.669	0.00	5.28
124.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.156	1.167	52.669	0.00	2.40
125.00	1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.155	1.164	52.758	0.00	14.98
125.00	1 5/8" Hybrid	Yes	1.00	0.000	4.00	0.33	0.00	0.155	1.164	52.758	0.00	2.64
125.00	1.6" Hybrid	Yes	1.00	0.000	1.60	0.13	0.00	0.155	1.164	52.758	0.00	1.20
126.00	1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.111	1.034	52.846	0.00	14.98
126.00	1 5/8" Hybrid	Yes	1.00	0.000	4.00	0.33	0.00	0.111	1.034	52.846	0.00	2.64
128.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.112	1.037	53.022	0.00	29.95
128.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.112	1.037	53.022	0.00	5.28
130.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.114	1.042	53.195	0.00	29.95
130.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.114	1.042	53.195	0.00	5.28
132.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.116	1.048	53.366	0.00	29.95
132.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.116	1.048	53.366	0.00	5.28
134.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.118	1.053	53.536	0.00	29.95
134.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.118	1.053	53.536	0.00	5.28
136.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.119	1.058	53.703	0.00	29.95
136.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.119	1.058	53.703	0.00	5.28
138.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.121	1.064	53.868	0.00	29.95
138.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.121	1.064	53.868	0.00	5.28
140.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.123	1.070	54.032	0.00	29.95
140.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.123	1.070	54.032	0.00	5.28
									To	tals:	0.0	2,616.2

Calculated Forces

phi

Pn

(kips)

5795.46

5776.44

5757.00

5737.14

5716.84

5696.12

5674.97

5653.40

5631.39

5608.96

5586.10

5562.81

5539.10

5514.96

5490.39

5465.39

phi

Vn

(kips)

1682.91

1669.60

1656.30

1642.99

1629.68

1616.37

1603.06

1589.76

1576.45

1563.14

1549.83

1536.52

1523.21

1509.91

1496.60

1483.29

1469.98

phi

Tn

(ft-kips)

8909.80

8769.44

8630.20

8492.07

8355.05

8219.15

8084.36

7950.69

7818.13

7686.69

7556.36

7427.15

7299.05

7172.06

7046.19

6921.43

6797.79

phi

Mn

(ft-kips)

7510.36

7426.09

7341.68

7257.12

7172.43

7087.63

7002.73

6917.75

6832.69

6747.57

6662.41

6577.21

6491.99

6406.77

6321.55

6236.35

6151.18

Structure: CT00595-S-SBA Code: TIA-222-H 3/18/2022

Site Name: Stonington East **Exposure:** С 196.00 (ft) Crest Height: 0.00 Height:

Mu

MX

(ft-kips)

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

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

Gh: 1.1 Topography: Struct Class: Page: 24

Resultant

Moment

(ft-kips)

7374.07

7254.27

7135.03

7016.36

6898.25

6780.70

6663.72

6547.29

6431.41

6316.09

6201.36

6087.21

5973.67

5860.75

5748.45

5636.79



32

Iterations

Load Case: 1.2D + 1.0W 128 mph Wind

۷u

FX (-)

(kips)

-59.90

-59.62

-59.34

-59.06

-58.78

-58.50

-58.22

-57.94

-57.66

-57.37

-57.07

-56.77

-56.46

-56.15

-55.83

-55.47

-55.14

Seg

Flev

(ft)

0.00

2.00

4.00

6.00

8.00

10.00

12.00

14.00

16.00

18.00

20.00

22.00

24.00

26.00

28.00

30.00

Pu

FY (-)

(kips)

-72.34

-71.36

-70.39

-69.42

-68.46

-67.50

-66.55

-65.61

-64.67

-63.75

-62.82

-61.91

-61.00

-60.10

-59.20

-58.30

-57.42

Dead Load Factor 1.20 Wind Load Factor 1.00

Tu

MY (-)

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

Mu

ΜZ

-7374.0

-7254.2

-7135.0

-7016.3

-6898.2

-6780.7

-6663.7

-6547.2

-6431.4

-6316.0

-6201.3

-6087.2

-5973.6

-5860.7

-5748.4

-5636.7

-5525.8

(ft-kips) (ft-kips)



*			
Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	0.000	0.000	0.996
	-0.084	7077.	
0.02	-0.169	0.000	0.990
0.16	-0.255	0.000	0.980
0.29	-0.341	0.000	0.975
0.45	-0.427	0.000	0.970
0.65	-0.515	0.000	0.965
0.88	-0.603	0.000	0.959
1.16	-0.692	0.000	0.954
1.47	-0.781	0.000	0.949
1.81	-0.871	0.000	0.943
2.20	-0.961	0.000	0.938
2.62	-1.053	0.000	0.933
3.08	-1.145	0.000	0.927
3.58	-1.237	0.000	0.922
4.12	-1.330	0.000	0.916
4.70	-1.424	0.000	0.910
5.32	-1.519	0.000	0.905
5.81	-1.590	0.000	0.900
5.97	-1.615	0.000	0.899
6.67	-1.710	0.000	0.893
7.41	-1.807	0.000	0.887
8.19	-1.904	0.000	0.881
8.59	-1.953	0.000	0.947
9.01	-2.003	0.000	0.943
9.87	-2.103	0.000	0.936
10.77	-2.204	0.000	0.928
11.72	-2.306	0.000	0.921
12.70	-2.408	0.000	0.914
13.73	-2.510	0.000	0.906
14.81	-2.614	0.000	0.898
15.93	-2.718	0.000	0.891

0.00 5439.96 4.70 32.00 5525.86 34.00 -56.56 -54.800.00 -5415.5 0.00 5415.58 5414.11 1456.67 6675.26 6066.06 5.32 35.50 -55.93 -54.53 0.00 -5333.3 0.00 5333.38 5394.44 1446.69 6584.09 6002.26 5.8 -55.52 -54.47 0.00 -5306.1 0.00 5387.83 1443.36 6553.84 36.00 5306.12 5981.00 5.9 -54.02 -54.11 0.00 1430.06 38.00 -5197.1 0.00 5197.18 5361.12 6433.54 5896.01 6.6 40.00 -52.54 -53.75 0.00 -5088.9 0.00 5088.95 5333.99 1416.75 6314.36 5811.11 7.4 42.00 -51.09 -53.35 0.00 -4981.4 0.00 4981.47 5306.43 1403.44 6196.29 5726.30 8.19 43.00 -50.36 -53.17 0.00 -4928.1 0.00 4823.70 1326.07 5927.09 5273.35 8.59 4928.11 44.00 -49.93 -53.01 0.00 -4874 9 0.00 4874.95 4812.47 1319.86 5871.70 5236.23 9.0 46.00 -49.13 -52.66 0.00 -4768.9 0.00 4768.93 4789.68 1307.44 5761.71 5161.99 9.8 -52.30 5087.77 10.7 48.00 -48.34 0.00 -4663.6 0.00 4663.61 4766.46 1295.02 5652.75 50.00 -47.55 -51.94 0.00 -4559.00.00 4559.01 4742.82 1282.60 5544.84 5013.57 11.7 52.00 -46.77 -51.58 0.00 -4455.1 0.00 4455.13 4718.75 1270.18 5437.96 4939.41 12.70 -45.99 -51.22 0.00 -4351.9 4694.25 1257.76 5332.12 4865.31 13.73 54.00 0.00 4351.96 56.00 -45.22 -50.85 0.00 -4249.5 0.00 4669.32 1245.33 5227.33 4791.28 14.8 4249.53 1232.91 58.00 -44 46 -50.48 0.00 -4147.8 0.00 4147.83 4643.97 5123.57 4717.32 15.93 2.718 0.0000.891 60.00 -43.70 -50.11 0.00 -4046.8 0.00 4046.87 4618.19 1220.49 5020.86 4643.46 17.09 -2.8220.000 0.883 62.00 -42.95 -49.740.00 -3946.6 0.00 3946.64 4591.98 1208.07 4919.18 4569.71 18.29 -2.9270.000 0.875 -3847.1 0.000 64.00 -42.21 -49.37 0.00 0.00 3847.17 4565.34 1195.65 4818.55 4496.07 19.54 -3.0330.867 66.00 20.83 -41 48 -48990.00 -3748.40.00 3748.43 4538.28 1183.23 4718.95 4422.57 -3.1390.000 0.858 -40.75 0.000 68.00 -48.61 0.00 -3650.40.00 3650.46 4510.78 1170.81 4620.40 4349.22 22.17 -3.2460.850 -3553.2 -40.03 0.00 4482.87 1158.39 4522.88 4276.03 23.56 0.000 70.00 -48230.00 3553.23 -3.3540.842 4454.52 72.00 -39.31 -47.850.00 -3456.70.00 3456.76 1145.97 4426.41 4203.01 24.98 -3.461 0.000 0.833 74.00 -38.64 -47.450.00 -3361.0 0.00 3361.06 4425.74 1133.55 4330.97 4130.17 26.46 -3.5700.000 0.824 74.50 -38.44 -47.370.00 -3337.30.00 3337.33 4418.48 1130.44 4307.27 4111.99 26.83 -3.5970.000 0.822 -37.56 -47.06 0.00 -3266.2 0.00 4396.54 1121.12 4236.58 4057.54 27.97 0.000 76.00 3266.28 -3.6790.815 78.00 -36.42 -46.64 0.00 -3172.10.00 3172.16 4366.91 1108.70 4143.22 3985.11 29.54 -3.7880.000 0.806 80.00 -35.31 -46.200.00 -3078.8 0.00 3078.87 4336.86 1096.28 4050.91 3912.92 31.15 -3.8980.000 0.797 -34.75 -45.99 0.00 -3032.6 0.00 3032.67 3502.12 951.57 3560.67 3204.59 31.97 -3.9540.000 0.959 81.00 3492.03 3177.33 -4.009 -34.41-45.820.00 -2986.6 0.00 2986.68 946.24 3520.94 32.80 0.000 0.952 82.00 3442.15 -4.131 -33.79 -45.44 0.00 -2895.0 2895.05 3471.52 3122.83 34.51 0.000 0.939 84.00 0.00 935.60 -33.18 -45.05 0.00 -2804.1 36.27 -4.2530.000 0.926 86.00 0.00 2804.18 3450.59 924.95 3364.26 3068.38 Copyright © 2022 by Tower Engineering Solutions, LLC. All rights reserved.

Calculated Forces

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 11 Tonography: 1 Struct Class: II



Gh:		1.1		Тор	ography:	1 \$	Struct Clas	ss: II			Pa	ge: 25	Tower Engineer	ing Solutions
88.00	-32.58	-44.67	0.00	-2714.0	0.00	2714.08	3429.23	914.30	3287.26	3013.99	38.07	-4.376	0.000	0.912
90.00	-31.98	-44.28	0.00	-2624.7	0.00	2624.74	3407.44	903.66	3211.15	2959.67	39.93	-4.499	0.000	0.899
92.00	-31.39	-43.90	0.00	-2536.1	0.00	2536.18	3385.23	893.01	3135.93	2905.43	41.84	-4.621	0.000	0.885
94.00	-30.80	-43.51	0.00	-2448.3	0.00	2448.38	3362.58	882.36	3061.60	2851.28	43.80	-4.744	0.000	0.870
96.00	-30.23	-43.13	0.00	-2361.3	0.00	2361.36	3339.51	871.72	2988.16	2797.25	45.81	-4.867	0.000	0.856
98.00	-29.65	-42.74	0.00	-2275.1	0.00	2275.11	3316.01	861.07	2915.61	2743.33	47.88	-4.990	0.000	0.841
100.00	-29.09	-42.35	0.00	-2189.6	0.00	2189.64	3292.09	850.42	2843.96	2689.56	49.99	-5.113	0.000	0.825
102.00	-28.53	-41.96	0.00	-2104.9	0.00	2104.93	3267.73	839.78	2773.20	2635.93	52.16	-5.236	0.000	0.810
104.00	-27.98	-41.58	0.00	-2021.0	0.00	2021.01	3242.95	829.13	2703.33	2582.46	54.38	-5.358	0.000	0.794
106.00	-27.43	-41.19	0.00	-1937.8	0.00	1937.86	3217.75	818.48	2634.35	2529.17	56.64	-5.480	0.000	0.777
108.00	-26.90	-40.80	0.00	-1855.4	0.00	1855.48	3192.11	807.84	2566.26	2476.07	58.96	-5.602	0.000	0.760
110.00	-26.37	-40.41	0.00	-1773.8	0.00	1773.89	3166.05	797.19	2499.06	2423.18	61.33	-5.723	0.000	0.743
112.00	-25.84 -25.33	-40.02	0.00	-1693.0	0.00	1693.07	3139.56	786.54 775.90	2432.76	2370.49	63.75	-5.843	0.000	0.725 0.707
114.00	-25.33	-39.63 -39.24	0.00	-1613.0	0.00	1613.03 1533.77	3112.64 3085.29	765.25	2367.34	2318.04	66.22	-5.962 -6.081	0.000	0.707
116.00	-24.02		0.00	-1533.7 -1455.2	0.00	1455.28	3057.52	754.60	2302.82 2239.19	2265.83 2213.87	68.74		0.000	0.668
118.00 118.75	-24.14	-38.84 -38.70	0.00	-1455.2	0.00	1435.26	3046.99	750.61	2239.19	2194.45	71.31 72.28	-6.198 -6.242	0.000	0.660
120.00	-23.64	-38.44	0.00	-1377.7	0.00	1377.78	3029.32	743.96	2176.45	2162.18	73.93	-6.315	0.000	0.648
122.00	-22.86	-38.01	0.00	-1300.9	0.00	1300.90	3000.69	733.31	2114.60	2110.77	76.59	-6.429	0.000	0.627
124.00	-22.11	-37.57	0.00	-1224.8	0.00	1224.88	2338.57	614.36	1781.07	1656.86	79.30	-6.542	0.000	0.752
125.00	-19.51	-33.39	0.00	-1187.3	0.00	1187.31	2329.03	609.92	1755.44	1638.08	80.68	-6.598	0.000	0.736
126.00	-19.28	-33.23	0.00	-1153.9	0.00	1153.92	2319.39	605.49	1730.00	1619.32	82.06	-6.661	0.000	0.724
128.00	-18.86	-32.88	0.00	-1087.4	0.00	1087.46	2299.78	596.62	1679.67	1581.89	84.87	-6.784	0.000	0.699
130.00	-18.45	-32.54	0.00	-1021.7	0.00	1021.70	2279.74	587.74	1630.09	1544.58	87.74	-6.905	0.000	0.673
132.00	-18.05	-32.20	0.00	-956.62	0.00	956.62	2259.27	578.87	1581.25	1507.39	90.65	-7.024	0.000	0.646
134.00	-17.65	-31.85	0.00	-892.23	0.00	892.23	2238.38	570.00	1533.15	1470.34	93.61	-7.140	0.000	0.618
136.00	-17.26	-31.51	0.00	-828.52	0.00	828.52	2217.06	561.13	1485.79	1433.45	96.62	-7.254	0.000	0.589
138.00	-16.87	-31.17	0.00	-765.50	0.00	765.50	2195.31	552.25	1439.18	1396.73	99.67	-7.364	0.000	0.559
140.00	-13.63	-24.84	0.00	-702.69	0.00	702.69	2173.13	543.38	1393.31	1360.19	102.77	-7.470	0.000	0.525
142.00	-13.31	-24.52	0.00	-653.02	0.00	653.02	2150.53	534.51	1348.18	1323.84	105.92	-7.573	0.000	0.502
144.00	-12.98	-24.20	0.00	-603.98	0.00	603.98	2127.50	525.64	1303.79	1287.70	109.10	-7.673	0.000	0.477
146.00	-12.67	-23.89	0.00	-555.58	0.00	555.58	2104.04	516.77	1260.15	1251.78	112.33	-7.771	0.000	0.452
148.00	-12.36	-23.58	0.00	-507.80	0.00	507.80	2080.15	507.89	1217.25	1216.10	115.59	-7.865	0.000	0.426
150.00	-9.14	-17.94	0.00	-460.63	0.00	460.63	2055.84	499.02	1175.10	1180.67	118.90	-7.955	0.000	0.396
152.00	-8.89	-17.64	0.00	-424.75	0.00	424.75	2031.10	490.15	1133.68	1145.49	122.24	-8.042	0.000	0.376
154.00	-8.65	-17.34	0.00	-389.47	0.00	389.47	2005.93	481.28	1093.01	1110.59	125.62	-8.126	0.000	0.356
154.75	-8.55	-17.23	0.00	-376.46	0.00	376.46	1996.38	477.95	1077.95	1097.58	126.89	-8.158	0.000	0.349
156.00	-8.31	-17.03	0.00	-354.93	0.00	354.93	1980.33	472.40	1053.09	1075.98	129.03	-8.209	0.000	0.335
158.00		-16.72	0.00	-320.86	0.00	320.86	1946.84	463.53	1013.90	1037.68	132.47	-8.287	0.000	0.315
159.00		-16.56	0.00	-304.14	0.00	304.14	942.51	280.76	619.93	509.56	134.20	-8.325	0.000	0.609
160.00		-16.43	0.00	-287.58	0.00	287.58	939.15	278.09	608.23	502.90	135.95	-8.363	0.000	0.584
162.00		-16.16	0.00	-254.73	0.00	254.73	932.13	272.77	585.17	489.52	139.46	-8.473	0.000	0.532
164.00		-15.89	0.00	-222.42	0.00	222.42	924.68	267.45	562.55	476.06	143.02	-8.577	0.000	0.479
166.00	-7.22	-15.62	0.00	-190.64	0.00	190.64	916.80	262.12	540.38	462.54	146.62	-8.671	0.000	0.424
167.00	-3.31	-7.82	0.00	-175.02	0.00	175.02	912.70	259.46	529.46	455.76	148.44	-8.716	0.000	0.389
168.00	-3.25	-7.69	0.00	-167.20	0.00	167.20	908.49	256.80	518.65	448.97	150.26	-8.759	0.000	0.377
170.00	-3.16	-7.43		-151.82	0.00	151.82	899.76	251.48	497.37	435.36	153.93	-8.842	0.000	0.353
172.00	-3.06	-7.18	0.00	-136.96 -122.60	0.00	136.96	890.60	246.15	476.54	421.74	157.64	-8.922	0.000	0.329
174.00	-2.97	-6.93	0.00		0.00	122.60	881.01	240.83	456.15	408.10	161.38	-8.998	0.000	0.305
176.00 178.00	-2.89 -2.80	-6.69 -6.45	0.00	-108.74 -95.37	0.00	108.74 95.37	870.99 860.55	235.51 230.18	436.21 416.71	394.47 380.86	165.15 168.95	-9.071 -9.139	0.000	0.280 0.254
180.00	-2.72	-6.45	0.00	-95.37 -82.47	0.00	95.37 82.47	849.68	224.86	397.66	367.28	172.77	-9.139 -9.203	0.000	0.254
182.00	-2.72	-5.98	0.00	-82.47 -70.05	0.00	70.05	838.38	219.54	379.06	353.74	176.63	-9.262	0.000	0.229
184.00	-2.56	-5.76	0.00	-58.08	0.00	58.08	826.65	214.21	360.90	340.26	180.50	-9.315	0.000	0.202
186.00	-2.49	-5.54	0.00	-46.56	0.00	46.56	814.50	208.89	343.18	326.85	184.40	-9.362	0.000	0.173
188.00	-2.43	-5.32	0.00	-35.49	0.00	35.49	801.91	203.57	325.91	313.52	188.31	-9.402	0.000	0.140
190.00	-2.35	-5.11	0.00	-24.85	0.00	24.85	788.90	198.24	309.09	300.29	192.24	-9.433	0.000	0.086
	00	0.11	5.50				iineerina Solu					2. 700	5.500	

Calculated Forces

0.00

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

0.00

196.00

0.00

-0.12

0.00

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

0.00

Gh: Topography: 1 Struct Class: || Page: 26 1.1 192.00 -2.28-4.90 0.00 -14.63 0.00 14.63 775.47 192.92 292.71 287.17 196.18 -9.455 0.000 0.055 0.00 194.00 -2.22 -4.70 0.00 -4.82 4.82 761.60 187.60 274.17 200.12 -9.467 0.000 0.021 276.78 195.00 -0.12 0.00 -0.12 0.00 754.51 267.73 202.10 -9.469 0.000 0.000 -0.03 0.12 184.94 268.98

747.31

182.27

261.30

0.000

0.000

261.31 204.07

-9.469

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: ||



Load Case: 0.9D + 1.0W 128 mph Wind

Dead Load Factor 0.90 Wind Load Factor 1.00



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Iterations 32

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)	Tot Dead Load (lb)
0.00	1.00	0.85	33.806	37.19	650.99	0.950	0.000	0.00	0.000	0.00	0.0	0.0	0.0
2.00	1.00	0.85	33.806	37.19	645.88	0.950	0.000	2.00	11.000	10.45	388.6	0.0	585.0
4.00	1.00	0.85	33.806	37.19	640.77	0.950	0.000	2.00	10.913	10.37	385.5	0.0	580.4
6.00	1.00	0.85	33.806	37.19	635.66	0.950	0.000	2.00	10.826	10.28	382.5	0.0	575.7
8.00	1.00	0.85	33.806	37.19	630.55	0.950	0.000	2.00	10.740	10.20	379.4	0.0	571.1
10.00	1.00	0.85	33.806	37.19	625.44	0.950	0.000	2.00	10.653	10.12	376.3	0.0	566.4
12.00	1.00	0.85	33.806	37.19	620.33	0.950	0.000	2.00	10.566	10.04	373.3	0.0	561.8
14.00	1.00	0.85	33.806	37.19	615.22	0.950	0.000	2.00	10.479	9.96	370.2	0.0	557.2
16.00	1.00		34.224	37.65	613.86	0.950	0.000	2.00	10.393	9.87	371.7	0.0	552.5
18.00	1.00	0.88	35.083	38.59	616.31	0.950	0.000	2.00	10.306	9.79	377.8	0.0	547.9
20.00	1.00	0.90	35.870	39.46	617.92	0.950	0.000	2.00	10.219	9.71	383.1	0.0	543.2
22.00	1.00	0.92	36.597	40.26	618.84	0.950	0.000		10.133	9.63	387.5	0.0	538.6
24.00	1.00	0.94	37.274	41.00	619.17	0.950	0.000	2.00	10.046	9.54	391.3		533.9
26.00	1.00		37.907	41.70	618.99	0.950	0.000	2.00	9.959	9.46	394.5		529.3
28.00	1.00	0.97	38.503	42.35	618.39	0.950	0.000	2.00	9.873	9.38	397.2	0.0	524.6
30.00 Appurtenance(s)	1.00		39.066	42.97	617.40	0.950	0.000	2.00	9.786	9.30	399.5		520.0
32.00	1.00		39.601	43.56	616.08	0.950	0.000	2.00	9.699	9.21	401.4		515.3
34.00	1.00		40.110	44.12	614.46	0.950	0.000	2.00	9.613	9.13	402.9		510.7
35.50 Bot - Section 2	1.00		40.476	44.52	613.06	0.950	0.000	1.50	7.153	6.79	302.5		380.0
36.00	1.00		40.595	44.65	612.56	0.950	0.000	0.50	2.411	2.29	102.3		245.7
38.00	1.00		41.060	45.17	610.43		0.000	2.00	9.590	9.11	411.5		977.2
40.00	1.00		41.506	45.66	608.07		0.000	2.00	9.504	9.03	412.2		968.2
42.00	1.00		41.934	46.13	605.51		0.000	2.00	9.417	8.97	413.6		959.3
43.00 Top - Section 1	1.00		42.142	46.36	604.16			1.00	4.676	4.46	206.8		476.3
44.00	1.00		42.347	46.58	612.72		0.000	1.00	4.654	4.43	206.1	0.0	230.9
46.00	1.00		42.745	47.02		0.953 *	0.000	2.00	9.243	8.81	414.1	0.0	458.5
48.00	1.00		43.130	47.44		0.955 *	0.000	2.00	9.157	8.75	415.1	0.0	454.1
50.00	1.00		43.502	47.85	603.63		0.000	2.00	9.070	8.69	415.1		449.8
52.00	1.00		43.863	48.25	600.31			2.00	8.983	8.63	416.6		445.5
54.00	1.00		44.213	48.63	596.86			2.00	8.897	8.58	417.1		441.1
56.00	1.00		44.552	49.01		0.967 *	0.000	2.00	8.810	8.52	417.5		436.8
58.00	1.00		44.883	49.37	589.59			2.00	8.723	8.46	417.7		432.5
60.00	1.00		45.204	49.72		0.973 *	0.000	2.00	8.637	8.40	417.9		428.1
62.00	1.00		45.517	50.07	581.88			2.00	8.550	8.35	417.9		423.8
64.00	1.00		45.823	50.40		0.979 *	0.000	2.00	8.463	8.29	417.8	0.0	419.5
66.00	1.00		46.120	50.40		0.983 *	0.000	2.00	8.377	8.23	417.6		415.1
	1.00			51.05		0.986 *		2.00	8.290	8.17	417.0		410.8
68.00			46.411				0.000						
70.00	1.00		46.695	51.36		0.989 *		2.00	8.203	8.12	416.8		406.4
72.00	1.00		46.973	51.67	560.99 556.57			2.00	8.117	8.06	416.3		402.1
74.00	1.00		47.245					2.00	8.030	8.00	415.7		397.8
74.50 Bot - Section 3	1.00		47.312	52.04	555.46			0.50	1.994	1.99	103.6		98.8
76.00	1.00		47.511	52.26		1.000 *		1.50	6.046	6.05	316.1		551.8
78.00	1.00		47.771	52.55	547.52			2.00	7.986	8.01	421.1		728.6
80.00	1.00		48.027	52.83	542.89			2.00	7.899	7.96	420.4		720.6
81.00 Top - Section 2	1.00		48.152	52.97	540.55			1.00	3.917	3.96	209.6		357.3
82.00	1.00		48.277	53.10		1.006 *		1.00	3.895	3.92	208.2		165.6
84.00	1.00	1.22	48.522	53.37	542.58	1.009 *	0.000	2.00	7.726	7.80	416.2	0.0	328.4

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3/18/2022 Structure: CT00595-S-SBA Code: TIA-222-H

Site Name: Stonington East С Exposure: 196.00 (ft) Height: Crest Height: 0.00

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





base ciev. 0.000 (ii	-/			Site Class		- 3111 30	"			Tower E	oissonina Calutia
Gh: 1.1		Topography	: 1	Struct Cla	iss: II				Page: 28	Tower E	ngineering Solutio
86.00	1.00	1.23 48.763	53.64	537.79 1.013 *	0.000	2.00	7.639	7.74	415.2	0.0	324.7
88.00	1.00	1.23 49.000	53.90	532.94 1.017 *	0.000	2.00	7.552	7.68	414.1	0.0	321.0
90.00	1.00	1.24 49.232	54.16	528.03 1.021 *	0.000	2.00	7.466	7.62	412.9	0.0	317.2
92.00	1.00	1.24 49.461	54.41	523.07 1.025 *	0.000	2.00	7.379	7.57	411.7	0.0	313.5
94.00	1.00	1.25 49.685	54.65	518.06 1.030 *	0.000	2.00	7.292	7.51	410.4	0.0	309.8
96.00	1.00	1.25 49.906	54.90	513.00 1.034 *	0.000	2.00	7.206	7.45	409.1	0.0	306.1
98.00	1.00	1.26 50.123	55.14	507.90 1.039 *	0.000	2.00	7.119	7.39	407.7	0.0	302.4
100.00	1.00	1.27 50.337	55.37	502.74 1.043 *	0.000	2.00	7.032	7.34	406.2	0.0	298.7
102.00	1.00	1.27 50.547	55.60	497.54 1.048 *	0.000	2.00	6.946	7.28	404.7	0.0	294.9
104.00	1.00	1.28 50.754	55.83	492.30 1.053 *	0.000	2.00	6.859	7.22	403.2	0.0	291.2
106.00	1.00	1.28 50.958	56.05	487.01 1.058 *	0.000	2.00	6.772	7.16	401.5	0.0	287.5
108.00	1.00	1.29 51.159	56.27	481.69 1.063 *	0.000	2.00	6.686	7.11	399.9	0.0	283.8
110.00	1.00	1.29 51.357	56.49	476.32 1.068 *	0.000	2.00	6.599	7.05	398.2	0.0	280.1
112.00	1.00	1.30 51.552	56.71	470.91 1.073 *	0.000	2.00	6.512	6.99	396.4	0.0	276.4
114.00	1.00	1.30 51.744	56.92	465.47 1.079 *	0.000	2.00	6.426	6.93	394.6	0.0	272.6
116.00	1.00	1.31 51.934	57.13	459.99 1.085 *	0.000	2.00	6.339	6.88	392.8	0.0	268.9
118.00	1.00	1.31 52.121	57.33	454.47 1.090 *	0.000	2.00	6.252	6.82	390.9	0.0	265.2
118.75 Bot - Section 4	1.00	1.31 52.191	57.41	452.39 1.095 *	0.000	0.75	2.322	2.54	145.9	0.0	98.5
120.00	1.00	1.32 52.306	57.54	448.92 1.098 *	0.000	1.25	3.911	4.29	247.0	0.0	301.5
22.00	1.00	1.32 52.489	57.74	443.33 1.103 *	0.000	2.00	6.187	6.82	393.8	0.0	476.8
124.00 Top - Section 3	1.00	1.32 52.669	57.94	437.71 1.109 *	0.000	2.00	6.100	6.76	391.9	0.0	470.0
25.00 Appurtenance(s)	1.00	1.33 52.758	58.03	442.83 1.106 *	0.000	1.00	3.017	3.34	193.6	0.0	106.8
26.00	1.00	1.33 52.846	58.13	440.01 0.982 *	0.000	1.00	2.996	2.94	171.0	0.0	106.0
28.00	1.00	1.33 53.022	58.32	434.34 0.986 *	0.000	2.00	5.927	5.84	340.7	0.0	209.8
30.00	1.00	1.34 53.195	58.51	428.64 0.990 *	0.000	2.00	5.840	5.78	338.4	0.0	206.7
32.00	1.00	1.34 53.366	58.70	422.91 0.995 *	0.000	2.00	5.753	5.73	336.1	0.0	203.6
34.00	1.00	1.35 53.536	58.89	417.15 1.000 *	0.000	2.00	5.667	5.67	333.8	0.0	200.5
136.00	1.00	1.35 53.703	59.07	411.36 1.006 *	0.000	2.00	5.580	5.61	331.4	0.0	197.4
138.00	1.00	1.35 53.868	59.25	405.54 1.011 *	0.000	2.00	5.493	5.55	329.0	0.0	194.3
140.00 Appurtenance(s)	1.00	1.36 54.032	59.43	399.69 1.016 *	0.000	2.00	5.406	5.50	326.6	0.0	191.2
142.00	1.00	1.36 54.193	59.61	393.82 0.950	0.000	2.00	5.320	5.05	301.3	0.0	188.1
144.00	1.00	1.37 54.353	59.79	387.92 0.950	0.000	2.00	5.233	4.97	297.2	0.0	185.0
146.00	1.00	1.37 54.511	59.96	382.00 0.950	0.000	2.00	5.146	4.89	293.2	0.0	181.9
148.00	1.00	1.37 54.667	60.13	376.05 0.950	0.000	2.00	5.060	4.81	289.0	0.0	178.8
	1.00	1.38 54.822	60.30	370.07 0.950	0.000	2.00	4.973	4.72	284.9	0.0	175.7
150.00 Appurtenance(s) 152.00	1.00	1.38 54.975	60.47	364.07 0.950	0.000	2.00	4.886	4.72	280.7	0.0	173.7
154.00	1.00	1.39 55.127	60.64	358.05 0.950	0.000	2.00	4.800	4.56	276.5	0.0	169.5
	1.00								102.5		
154.75 Bot - Section 5		1.39 55.183	60.70 60.80		0.000	0.75	1.778	1.69 2.83		0.0	62.8 167.0
56.00 58.00	1.00	1.39 55.277			0.000	1.25	2.976		171.9		263.2
	1.00	1.39 55.425	60.97	345.93 0.950 342.88 0.950	0.000	2.00	4.691	4.46	271.7	0.0	
59.00 Top - Section 4 60.00	1.00	1.40 55.499	61.05 61.13		0.000	1.00	2.313	2.20	134.1	0.0	129.7
	1.00	1.40 55.572		344.72 0.950 338.61 0.950	0.000	1.00	2.291	2.18	133.1		48.8
62.00	1.00	1.40 55.718	61.29		0.000	2.00	4.518	4.29	263.0	0.0	96.1
64.00	1.00	1.40 55.862		332.48 0.950	0.000	2.00	4.431	4.21	258.7	0.0	94.3
66.00	1.00	1.41 56.004	61.60	326.33 0.950	0.000	2.00	4.344	4.13	254.2	0.0	92.4
67.00 Appurtenance(s)	1.00	1.41 56.075	61.68	323.25 0.950	0.000	1.00	2.140	2.03	125.4	0.0	45.5
68.00	1.00	1.41 56.146	61.76	320.16 0.950	0.000	1.00	2.118	2.01	124.3	0.0	45.0
70.00	1.00	1.42 56.286	61.91	313.96 0.950	0.000	2.00	4.171	3.96	245.3	0.0	88.7
72.00	1.00	1.42 56.425	62.07	307.75 0.950	0.000	2.00	4.084	3.88	240.8	0.0	86.8
74.00	1.00	1.42 56.562	62.22	301.51 0.950	0.000	2.00	3.997	3.80	236.3	0.0	85.0
76.00	1.00	1.43 56.698	62.37	295.26 0.950	0.000	2.00	3.911	3.72	231.7	0.0	83.1
78.00	1.00	1.43 56.833	62.52	288.98 0.950	0.000	2.00	3.824	3.63	227.1	0.0	81.3
80.00	1.00	1.43 56.967	62.66	282.69 0.950	0.000	2.00	3.737	3.55	222.5	0.0	79.4
82.00	1.00	1.44 57.100	62.81	276.37 0.950	0.000	2.00	3.651	3.47	217.8	0.0	77.5
84.00	1.00	1.44 57.231	62.95	270.04 0.950	0.000	2.00	3.564	3.39	213.2	0.0	75.7
186.00	1.00	1.44 57.362	63.10	263.69 0.950	0.000	2.00	3.477	3.30	208.4	0.0	73.8
188.00	1.00	1.45 57.491	63.24	257.33 0.950	0.000	2.00	3.391	3.22	203.7	0.0	72.0

3/18/2022 Structure: CT00595-S-SBA Code: TIA-222-H

С Site Name: Stonington East Exposure: 196.00 (ft) Height: Crest Height: 0.00

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

Gh: 1.1 Struct Class: || Page: 29 Topography: 1



GII.		Topography	. 1	Sti	uct Ci	ass. 11				raye. 29		
190.00	1.00	1.45 57.619	63.38	250.94	0.950	0.000	2.00	3.304	3.14	198.9	0.0	70.1
192.00	1.00	1.45 57.747	63.52	244.54	0.950	0.000	2.00	3.217	3.06	194.1	0.0	68.3
194.00	1.00	1.46 57.873	63.66	238.12	0.950	0.000	2.00	3.131	2.97	189.3	0.0	66.4
195.00 Appurtenance(s)	1.00	1.46 57.935	63.73	234.91	0.950	0.000	1.00	1.533	1.46	92.8	0.0	32.5
196.00 Appurtenance(s)	1.00	1.46 57.998	63.80	231.69	0.950	0.000	1.00	1.511	1.44	91.6	0.0	32.0
* Cf Adjusted by Linear Load	d Ra Effect					Totals:	196.00			34.588.4		34.270.2

Discrete Appurtenance Forces

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: II Page: 30



Load Case: 0.9D + 1.0W 128 mph Wind

Dead Load Factor 0.90 Wind Load Factor 1.00



No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	196.00	6' Lightning rod	1	57.998	63.798	1.00	1.00	0.38	5.85	0.000	0.000	24.24	0.00	0.00
2	195.00	APXVSPP18-C-A20	3	57.935	63.729	0.66	0.80	15.98	153.90	0.000	0.000	1018.12	0.00	0.00
3	195.00	APXVTM14-C-120	3	57.935	63.729	0.63	0.80	12.02	151.20	0.000	0.000	766.06	0.00	0.00
4	195.00	1900MHz RRH	3	57.935	63.729	0.40	0.80	4.56	118.80	0.000	0.000	290.60	0.00	0.00
5	195.00	TD-RRH8x20-25	3	57.935	63.729	0.40	0.80	4.86	189.00	0.000	0.000	309.72	0.00	0.00
6	195.00	800MHz RRH	3	57.935	63.729	0.40	0.80	3.17	160.65	0.000	0.000	201.89	0.00	0.00
7	195.00	800MHz Filter	3	57.935	63.729	0.40	0.80	0.94	23.76	0.000	0.000	59.65	0.00	0.00
8	195.00	ACU-A20-N	4	57.935	63.729	0.40	0.80	0.22	3.60	0.000	0.000	14.28	0.00	0.00
9	195.00	Low Profile Platform	1	57.935	63.729	1.00	1.00	22.00	1350.00	0.000	0.000	1402.04	0.00	0.00
10	167.00	(3) VSR-TS-B	1	56.075	61.683	1.00	1.00	11.43	332.37	0.000	0.000	705.03	0.00	0.00
11	167.00	PRK-1245 (kicker kit)	1	56.075	61.683	1.00	1.00	9.50	418.42	0.000	0.000	585.99	0.00	0.00
12	167.00	HRK12 (Handrail Kit)	1	56.075	61.683	1.00	1.00	6.75	235.55	0.000	0.000	416.36	0.00	0.00
13	167.00	Low Profile	1	56.075	61.683	1.00	1.00	22.00	1350.00	0.000	0.000	1357.02	0.00	0.00
14	167.00	KRY 112 144/1	3	56.075	61.683	0.38	0.75	0.46	29.70	0.000	0.000	28.45	0.00	0.00
15	167.00	Ericsson AIR6449 B41	3	56.075	61.683	0.53	0.75	9.03	278.10	0.000	0.000	556.74	0.00	0.00
16	167.00	(3) SFS-H-L (V-Braces)	1	56.075	61.683	1.00	1.00	6.70	207.00	0.000	0.000	413.27	0.00	0.00
17	167.00	Commscope VV-65A-R1	3	56.075	61.683	0.55	0.75	9.75	64.29	0.000	0.000	601.42	0.00	0.00
18	167.00	RFS	3	56.075	61.683	0.55	0.75	33.24	331.56	0.000	0.000	2050.60	0.00	0.00
19	167.00	Ericsson 4449 B71 + B85	3	56.075	61.683	0.38	0.75	2.22	197.64	0.000	0.000	136.70	0.00	0.00
20	167.00	Ericsson 4460 B25 + B66	3	56.075	61.683	0.38	0.75	2.41	280.80	0.000	0.000	148.50	0.00	0.00
21	150.00	Low Profile	1	54.822	60.304	1.00	1.00	22.00	1350.00	0.000	0.000	1326.69	0.00	0.00
22	150.00	DC6-48-60-18-8F	2	54.822	60.304	0.38	0.75	1.10	57.24	0.000	0.000	66.49	0.00	0.00
23	150.00	LGP13519	6	54.822	60.304	0.38	0.75	0.77	28.62	0.000	0.000	46.13	0.00	0.00
24	150.00	LGP21401	6	54.822	60.304	0.38	0.75	2.90	76.14	0.000	0.000	175.03	0.00	0.00
25	150.00	Handrail Kit	1	54.822	60.304	1.00	1.00	6.75	235.55	0.000	0.000	407.05	0.00	0.00
26	150.00	800 10966	2	54.822	60.304	0.54	0.75	18.75	226.26	0.000	0.000	1130.63	0.00	0.00
27	150.00	80010964	1	54.822	60.304	0.53	0.75	5.32	85.32	0.000	0.000	321.12	0.00	0.00
28	150.00	HPA65R-BU4A	3	54.822	60.304	0.64	0.75	9.49	77.49	0.000	0.000	572.05	0.00	0.00
29	150.00	7700.00	3	54.822	60.304	0.59	0.75	3.08	43.20	0.000	0.000	185.44	0.00	0.00
30	150.00	mount pipe	2	54.822	60.304	1.00	1.00	6.62	156.60	0.000	0.000	399.21	0.00	0.00
31	150.00	4449 B5/B12	3	54.822	60.304	0.38	0.75	2.22	191.70	0.000	0.000	133.65	0.00	0.00
32	150.00	B2 B66A 8843	3	54.822	60.304	0.38	0.75	1.84	189.00	0.000	0.000	111.26	0.00	0.00
33	140.00	Low Profile Platform	1	54.032	59.435	1.00	1.00	22.00	1350.00	0.000	0.000	1307.56	0.00	0.00
34	140.00	JMA Wireless	6	54.032	59.435	0.65	0.75	38.64	324.00	0.000	0.000	2296.62	0.00	0.00
35	140.00	Samsung MT6407-77A	3	54.153	59.568	0.52	0.75	7.39	214.38	0.000	1.500	440.02	0.00	660.02
36		Samsung	3	53.868	59.255	0.61	0.75	1.63	62.48	0.000	-2.000	96.82	0.00	-193.65
37	140.00	Samsung RF4440d 13a	3	54.032	59.435	0.38	0.75	4.66	189.89	0.000	0.000	276.82	0.00	0.00
38		Samsung RF4439d 25A	3	54.032	59.435	0.38	0.75	5.16	201.69	0.000	0.000	306.91	0.00	0.00
39	140.00	Raycap	1	54.032	59.435	0.75	0.75	3.04	28.80	0.000	0.000	180.98	0.00	0.00
40		HRK12 (Handrail Kit)	1		59.435		1.00	6.75	235.55	0.000	0.000	401.18	0.00	0.00
41	140.00	Mount Pipe	3		59.435		0.75	4.39	108.00	0.000	0.000	260.77	0.00	0.00
42		Commscope	1		58.033		1.00	37.59	1554.30	0.000	0.000	2181.48	0.00	0.00
43	125.00	Raycap	1	52.758	58.033	0.38	0.75	0.75	19.71	0.000	0.000	43.74	0.00	0.00
44		Fujitsu TA08025-B604	3		58.033	0.38	0.75	2.21	172.53	0.000	0.000	127.96	0.00	0.00
45		Fujitsu TA08025-B605	3		58.033	0.38	0.75	2.21	202.50	0.000	0.000	127.96	0.00	0.00
46	125.00	JMA Wireless	3		58.033	0.55	0.75	20.80	174.15	0.000	0.000	1206.86	0.00	0.00
47	30.00		1		42.973	1.00	1.00	1.00	9.00	0.000	0.000	42.97	0.00	0.00

Discrete Appurtenance Forces

Structure: CT00595-S-SBA **Code:** TIA-222-H 3/18/2022

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: II



Page: 31

Totals: 13,446.28 25,260.12

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: II Page: 32



Load Case: 0.9D + 1.0W 128 mph Wind

Dead Load Factor 0.90 Wind Load Factor 1.00



Elev		Lateral FX (-)	Axial FY (-)	Torsion MY	Moment MZ
(ft)	Description	(lb)	(lb)	(lb-ft)	(lb-ft)
0.00		0.00	0.00	0.00	0.00
2.00		388.59	670.47	0.00	0.00
4.00		385.53	665.82	0.00	0.00
6.00		382.47	661.18	0.00	0.00
8.00		379.40	656.53	0.00	0.00
10.00		376.34	651.89	0.00	0.00
12.00		373.28	647.24	0.00	0.00
14.00		370.22	642.60	0.00	0.00
16.00		371.69	637.95	0.00	0.00
18.00		377.84	633.31	0.00	0.00
20.00		383.07	628.66	0.00	0.00
22.00		387.52	624.02	0.00	0.00
24.00		391.30	619.37	0.00	0.00
26.00		394.52	614.73	0.00	0.00
28.00		397.23	610.08	0.00	0.00
30.00	(1) attachments	442.48	614.44	0.00	0.00
32.00	(1) attachments	401.39		0.00	0.00
			600.80		
34.00		402.91	596.15	0.00	0.00
35.50		302.53	444.07	0.00	0.00
36.00		102.28	267.07	0.00	0.00
38.00		411.49	1062.67	0.00	0.00
40.00		412.20	1053.69	0.00	0.00
42.00		413.56	1044.71	0.00	0.00
43.00		206.81	518.99	0.00	0.00
44.00		206.13	273.58	0.00	0.00
46.00		414.10	543.91	0.00	0.00
48.00		415.09	539.58	0.00	0.00
50.00		415.91	535.24	0.00	0.00
52.00		416.58	530.91	0.00	0.00
54.00		417.10	526.57	0.00	0.00
56.00		417.48	522.24	0.00	0.00
58.00		417.73	517.90	0.00	0.00
60.00		417.85	513.57	0.00	0.00
62.00		417.86	509.23	0.00	0.00
64.00		417.76	504.90	0.00	0.00
66.00		417.55	500.56	0.00	0.00
68.00		417.24	496.23	0.00	0.00
70.00		416.83	491.89	0.00	0.00
72.00		416.33	487.56	0.00	0.00
74.00		415.75	483.22	0.00	0.00
74.50		103.62	120.13	0.00	0.00
76.00		316.10	615.85	0.00	0.00
78.00		421.15	814.08	0.00	0.00
					0.00
80.00		420.38	806.03	0.00	
81.00		209.60	400.00	0.00	0.00
82.00		208.19	208.31	0.00	0.00
84.00		416.20	413.83	0.00	0.00

Structure: CT00595-S-SBA Code: TIA-222-H

Site Name: Stonington East Exposure: С Crest Height: 0.00 Height: 196.00 (ft)

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



Base E	lev: 0.000 (ft)			Site C	lass: D - Stiff	5011	
Gh:	1.1	Торо	ography: 1	Struct	Class:	Page: 33	Tower Engineering Solutions
86.00		415.17	410.11	0.00	0.00		
88.00		414.08	406.40	0.00	0.00		
90.00		412.92	402.68	0.00	0.00		
92.00		411.70	398.97	0.00	0.00		
94.00		410.42	395.25	0.00	0.00		
96.00		409.08	391.53	0.00	0.00		
98.00		407.68	387.82	0.00	0.00		
100.00		406.22	384.10	0.00	0.00		
102.00		404.72	380.39	0.00	0.00		
104.00		403.16	376.67	0.00	0.00		
106.00		401.54	372.96	0.00	0.00		
108.00		399.88	369.24	0.00	0.00		
110.00		398.17	365.53	0.00	0.00		
112.00		396.42	361.81	0.00	0.00		
114.00		394.62	358.09	0.00	0.00		
116.00		392.77	354.38	0.00	0.00		
118.00		390.88	350.66	0.00	0.00		
118.75		145.92	130.54	0.00	0.00		
120.00		246.96	354.89	0.00	0.00		
122.00		393.84	562.29	0.00	0.00		
124.00		391.89	555.48	0.00	0.00		
125.00	(11) attachments	3881.64	2272.73	0.00	0.00		
126.00	(11) attachmento	171.03	147.87	0.00	0.00		
128.00		340.68	293.41	0.00	0.00		
130.00		338.42	290.32	0.00	0.00		
132.00		336.13	287.22	0.00	0.00		
134.00		333.80	284.13	0.00	0.00		
136.00		331.43	281.03	0.00	0.00		
138.00		329.04	277.93	0.00	0.00		
140.00	(24) attachments	5894.29	2989.62	0.00	466.37		
142.00	(21) attaorimonto	301.27	245.32	0.00	0.00		
144.00		297.23	242.22	0.00	0.00		
146.00		293.16	239.12	0.00	0.00		
148.00		289.05	236.03	0.00	0.00		
150.00	(33) attachments	5159.67	2950.05	0.00	0.00		
152.00	(oo) amaonino	280.71	202.74	0.00	0.00		
154.00		276.49	199.65	0.00	0.00		
154.75		102.50	74.07	0.00	0.00		
156.00		171.90	185.83	0.00	0.00		
158.00		271.70	293.30	0.00	0.00		
159.00		134.14	144.79	0.00	0.00		
160.00		133.06	63.83	0.00	0.00		
162.00		263.04	126.26	0.00	0.00		
164.00		258.66	124.40	0.00	0.00		
166.00		254.24	122.54	0.00	0.00		
167.00	(23) attachments	7125.47	3786.00	0.00	0.00		
168.00	(==)	124.26	47.42	0.00	0.00		
170.00		245.32	93.45	0.00	0.00		
172.00		240.82	91.59	0.00	0.00		
174.00		236.28	89.73	0.00	0.00		
176.00		231.71	87.87	0.00	0.00		
178.00		227.12	86.02	0.00	0.00		
180.00		222.49	84.16	0.00	0.00		
182.00		217.84	82.30	0.00	0.00		
184.00		213.15	80.44	0.00	0.00		
186.00		208.44	78.58	0.00	0.00		
188.00		203.71	76.73	0.00	0.00		
				0.00	g Solutions, LLC. All i		

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: II Page: 34



Gn:	1.1	тор	ograpny:	Struct	Class:	Page: 34	101111 211811111111111111111111111111111
190.00		198.94	74.87	0.00	0.00		
192.00		194.15	73.01	0.00	0.00		
194.00		189.33	71.15	0.00	0.00		
195.00	(23) attachments	4155.16	2185.79	0.00	0.00		
196.00	(1) attachments	115.83	37.89	0.00	0.00		
	Totals:	59.848.55	54.292.97	0.00	466.37		

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: II Page: 35



Load Case: 0.9D + 1.0W 128 mph Wind

Dead Load Factor 0.90 Wind Load Factor 1.00



Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
2.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.085	0.000	33.806	0.00	22.46
2.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.085	0.000	33.806	0.00	3.96
2.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.085	0.000	33.806	0.00	1.80
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.086	0.000	33.806	0.00	22.46
4.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.086	0.000	33.806	0.00	3.96
4.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.086	0.000	33.806	0.00	1.80
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.086	0.000	33.806	0.00	22.46
6.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.086	0.000	33.806	0.00	3.96
6.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.086	0.000	33.806	0.00	1.80
8.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.087	0.000	33.806	0.00	22.46
8.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.087	0.000	33.806	0.00	3.96
8.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.087	0.000	33.806	0.00	1.80
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.088	0.000	33.806	0.00	22.46
10.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.088	0.000	33.806	0.00	3.96
10.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.088	0.000	33.806	0.00	1.80
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.088	0.000	33.806	0.00	22.46
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.088	0.000	33.806	0.00	3.96
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.088	0.000	33.806	0.00	1.80
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.089	0.000	33.806	0.00	22.46
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.089	0.000	33.806	0.00	3.96
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.089	0.000	33.806	0.00	1.80
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.090	0.000	34.224	0.00	22.46
16.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.090	0.000	34.224	0.00	3.96
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.090	0.000	34.224	0.00	1.80
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.091	0.000	35.083	0.00	22.46
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.091	0.000	35.083	0.00	3.96
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.091	0.000	35.083	0.00	1.80
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.091	0.000	35.870	0.00	22.46
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.091	0.000	35.870	0.00	3.96
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.091	0.000	35.870	0.00	1.80
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.092	0.000	36.597	0.00	22.46
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.092	0.000	36.597	0.00	3.96
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.092	0.000	36.597	0.00	1.80
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.093	0.000	37.274	0.00	22.46
24.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.093	0.000	37.274	0.00	3.96
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.093	0.000	37.274	0.00	1.80
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.094	0.000	37.907	0.00	22.46
26.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.094	0.000	37.907	0.00	3.96
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.094	0.000	37.907	0.00	1.80
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.095	0.000	38.503	0.00	22.46
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.095	0.000	38.503	0.00	3.96
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.095	0.000	38.503	0.00	1.80
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.095	0.000	39.066	0.00	22.46
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.095	0.000	39.066	0.00	3.96
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.095	0.000	39.066	0.00	1.80
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.096	0.000	39.601	0.00	22.46
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.096	0.000	39.601	0.00	3.96
		. •••									3.00	

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: II Page: 36



Load Case: 0.9D + 1.0W 128 mph Wind

Dead Load Factor 0.90 Wind Load Factor 1.00



Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
32.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.096	0.000	39.601	0.00	1.80
34.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.097	0.000	40.110	0.00	22.46
34.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.097	0.000	40.110	0.00	3.96
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.097	0.000	40.110	0.00	1.80
35.50	1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	0.098	0.000	40.476	0.00	16.85
35.50	1 5/8" Hybrid	Yes	1.50	0.000	4.00	0.50	0.00	0.098	0.000	40.476	0.00	2.97
35.50	1.6" Hybrid	Yes	1.50	0.000	1.60	0.20	0.00	0.098	0.000	40.476	0.00	1.35
	1 5/8" Coax	Yes	0.50	0.000	0.00	0.00	0.00	0.098	0.000	40.595	0.00	5.62
36.00	1 5/8" Hybrid	Yes	0.50	0.000	4.00	0.17	0.00	0.098	0.000	40.595	0.00	0.99
	1.6" Hybrid	Yes	0.50	0.000	1.60	0.07	0.00	0.098	0.000	40.595	0.00	0.45
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.099	0.000	41.060	0.00	22.46
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.099	0.000	41.060	0.00	3.96
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.099	0.000	41.060	0.00	1.80
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.100	0.000	41.506	0.00	22.46
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.100	0.000	41.506	0.00	3.96
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.100	0.000	41.506	0.00	1.80
	1.5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.101	1.002	41.934	0.00	22.46
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.101	1.002	41.934	0.00	3.96
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.101	1.002	41.934	0.00	1.80
	1.5 Trybhd 1.5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.101	1.002	42.142	0.00	11.23
	1 5/8" Hybrid	Yes	1.00	0.000	4.00	0.00	0.00	0.101	1.004	42.142	0.00	1.98
	1.6" Hybrid	Yes	1.00	0.000	1.60	0.33	0.00	0.101	1.004	42.142	0.00	0.90
	1.5 Hybrid 1.5/8" Coax	Yes				0.13				42.142		
			1.00	0.000	0.00		0.00	0.100	1.001		0.00	11.23
	1 5/8" Hybrid	Yes	1.00	0.000	4.00	0.33	0.00	0.100	1.001	42.347	0.00	1.98
	1.6" Hybrid	Yes	1.00	0.000	1.60	0.13	0.00	0.100	1.001	42.347	0.00	0.90
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.101	1.003	42.745	0.00	22.46
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.101	1.003	42.745	0.00	3.96
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.101	1.003	42.745	0.00	1.80
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.102	1.006	43.130	0.00	22.46
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.102	1.006	43.130	0.00	3.96
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.102	1.006	43.130	0.00	1.80
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.103	1.009	43.502	0.00	22.46
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.103	1.009	43.502	0.00	3.96
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.103	1.009	43.502	0.00	1.80
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.104	1.012	43.863	0.00	22.46
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.104	1.012	43.863	0.00	3.96
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.104	1.012	43.863	0.00	1.80
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.105	1.015	44.213	0.00	22.46
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.105	1.015	44.213	0.00	3.96
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.105	1.015	44.213	0.00	1.80
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.106	1.018	44.552	0.00	22.46
56.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.106	1.018	44.552	0.00	3.96
56.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.106	1.018	44.552	0.00	1.80
58.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.107	1.021	44.883	0.00	22.46
58.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.107	1.021	44.883	0.00	3.96
58.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.107	1.021	44.883	0.00	1.80
60.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.108	1.024	45.204	0.00	22.46

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: ||



Load Case: 0.9D + 1.0W 128 mph Wind

Dead Load Factor 0.90 Wind Load Factor 1.00



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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)
60.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.108	1.024	45.204	0.00	3.96
60.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.108	1.024	45.204	0.00	1.80
62.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.109	1.027	45.517	0.00	22.46
62.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.109	1.027	45.517	0.00	3.96
62.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.109	1.027	45.517	0.00	1.80
64.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.110	1.031	45.823	0.00	22.46
64.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.110	1.031	45.823	0.00	3.96
64.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.110	1.031	45.823	0.00	1.80
66.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.111	1.034	46.120	0.00	22.46
66.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.111	1.034	46.120	0.00	3.96
66.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.111	1.034	46.120	0.00	1.80
68.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.113	1.038	46.411	0.00	22.46
68.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.113	1.038	46.411	0.00	3.96
68.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.113	1.038	46.411	0.00	1.80
70.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.114	1.041	46.695	0.00	22.46
70.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.114	1.041	46.695	0.00	3.96
70.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.114	1.041	46.695	0.00	1.80
72.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.115	1.045	46.973	0.00	22.46
72.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.115	1.045	46.973	0.00	3.96
72.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.115	1.045	46.973	0.00	1.80
74.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.116	1.049	47.245	0.00	22.46
74.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.116	1.049	47.245	0.00	3.96
74.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.116	1.049	47.245	0.00	1.80
74.50	1 5/8" Coax	Yes	0.50	0.000	0.00	0.00	0.00	0.117	1.051	47.312	0.00	5.62
74.50	1 5/8" Hybrid	Yes	0.50	0.000	4.00	0.17	0.00	0.117	1.051	47.312	0.00	0.99
74.50	1.6" Hybrid	Yes	0.50	0.000	1.60	0.07	0.00	0.117	1.051	47.312	0.00	0.45
76.00	1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	0.118	1.053	47.511	0.00	16.85
76.00	1 5/8" Hybrid	Yes	1.50	0.000	4.00	0.50	0.00	0.118	1.053	47.511	0.00	2.97
76.00	1.6" Hybrid	Yes	1.50	0.000	1.60	0.20	0.00	0.118	1.053	47.511	0.00	1.35
78.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.119	1.056	47.771	0.00	22.46
78.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.119	1.056	47.771	0.00	3.96
78.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.119	1.056	47.771	0.00	1.80
80.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.120	1.060	48.027	0.00	22.46
80.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.120	1.060	48.027	0.00	3.96
80.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.120	1.060	48.027	0.00	1.80
81.00	1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.121	1.063	48.152	0.00	11.23
81.00	1 5/8" Hybrid	Yes	1.00	0.000	4.00	0.33	0.00	0.121	1.063	48.152	0.00	1.98
81.00	1.6" Hybrid	Yes	1.00	0.000	1.60	0.13	0.00	0.121	1.063	48.152	0.00	0.90
82.00	1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.120	1.059	48.277	0.00	11.23
82.00	1 5/8" Hybrid	Yes	1.00	0.000	4.00	0.33	0.00	0.120	1.059	48.277	0.00	1.98
82.00	1.6" Hybrid	Yes	1.00	0.000	1.60	0.13	0.00	0.120	1.059	48.277	0.00	0.90
84.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.121	1.062	48.522	0.00	22.46
84.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.121	1.062	48.522	0.00	3.96
84.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.121	1.062	48.522	0.00	1.80
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.122	1.067	48.763	0.00	22.46
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.122	1.067	48.763	0.00	3.96
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.122	1.067	48.763	0.00	1.80

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: II Page: 38



Load Case: 0.9D + 1.0W 128 mph Wind

Dead Load Factor 0.90 Wind Load Factor 1.00



Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
88.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.124	1.071	49.000	0.00	22.46
88.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.124	1.071	49.000	0.00	3.96
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.124	1.071	49.000	0.00	1.80
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.125	1.075	49.232	0.00	22.46
90.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.125	1.075	49.232	0.00	3.96
90.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.125	1.075	49.232	0.00	1.80
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.126	1.079	49.461	0.00	22.46
92.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.126	1.079	49.461	0.00	3.96
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.126	1.079	49.461	0.00	1.80
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.128	1.084	49.685	0.00	22.46
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.128	1.084	49.685	0.00	3.96
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.128	1.084	49.685	0.00	1.80
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.130	1.089	49.906	0.00	22.46
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.130	1.089	49.906	0.00	3.96
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.130	1.089	49.906	0.00	1.80
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.131	1.093	50.123	0.00	22.46
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.131	1.093	50.123	0.00	3.96
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.131	1.093	50.123	0.00	1.80
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.133	1.098	50.337	0.00	22.46
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.133	1.098	50.337	0.00	3.96
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.133	1.098	50.337	0.00	1.80
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.134	1.103	50.547	0.00	22.46
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.134	1.103	50.547	0.00	3.96
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.134	1.103	50.547	0.00	1.80
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.136	1.108	50.754	0.00	22.46
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.136	1.108	50.754	0.00	3.96
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.136	1.108	50.754	0.00	1.80
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.138	1.113	50.958	0.00	22.46
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.138	1.113	50.958	0.00	3.96
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.138	1.113	50.958	0.00	1.80
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.140	1.119	51.159	0.00	22.46
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.140	1.119	51.159	0.00	3.96
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.140	1.119	51.159	0.00	1.80
	1.5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.141	1.124	51.357	0.00	22.46
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.141	1.124	51.357	0.00	3.96
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.141	1.124	51.357	0.00	1.80
	1.5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.143	1.130	51.552	0.00	22.46
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.143	1.130	51.552	0.00	3.96
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.143	1.130	51.552	0.00	1.80
	1.5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.145	1.136	51.744	0.00	22.46
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.145	1.136	51.744	0.00	3.96
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.07	0.00	0.145	1.136	51.744	0.00	1.80
	1.5 Hybrid 1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.143	1.130	51.744	0.00	22.46
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.147	1.142	51.934	0.00	3.96
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.67	0.00	0.147	1.142	51.934	0.00	1.80
	1.6 Hybrid 1.5/8" Coax		2.00	0.000	0.00		0.00	0.147		52.121	0.00	
		Yes				0.00			1.148			22.46
118.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.149	1.148	52.121	0.00	3.96

Structure: CT00595-S-SBA Code: TIA-222-H 3/18/2022

Site Name: Stonington East Exposure: С Height: 196.00 (ft) Crest Height: 0.00 **Base Elev:** 0.000 (ft)

Site Class: D - Stiff Soil

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



Load Case: 0.9D + 1.0W 128 mph Wind

Dead Load Factor 0.90 Wind Load Factor 1.00



Top Elev	Description	Wind	Length	C-	Exposed Width	Area	CaAa	D-	Cf Adjust	qz (not)	FX	Dead Load
(ft)	Description	Exposed	(ft)	Ca	(in)	(sqft)	(sqft)	Ra	Factor	(psf)	(lb)	(lb)
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.149	1.148	52.121	0.00	1.80
	1 5/8" Coax	Yes	0.75	0.000	0.00	0.00	0.00	0.151	1.152	52.191	0.00	8.42
	1 5/8" Hybrid	Yes	0.75	0.000	4.00	0.25	0.00	0.151	1.152	52.191	0.00	1.49
	1.6" Hybrid	Yes	0.75	0.000	1.60	0.10	0.00	0.151	1.152	52.191	0.00	0.68
	1 5/8" Coax	Yes	1.25	0.000	0.00	0.00	0.00	0.152	1.155	52.306	0.00	14.04
	1 5/8" Hybrid	Yes	1.25	0.000	4.00	0.42	0.00	0.152	1.155	52.306	0.00	2.48
120.00	1.6" Hybrid	Yes	1.25	0.000	1.60	0.17	0.00	0.152	1.155	52.306	0.00	1.13
122.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.154	1.161	52.489	0.00	22.46
122.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.154	1.161	52.489	0.00	3.96
122.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.154	1.161	52.489	0.00	1.80
124.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.156	1.167	52.669	0.00	22.46
124.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.156	1.167	52.669	0.00	3.96
124.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.156	1.167	52.669	0.00	1.80
125.00	1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.155	1.164	52.758	0.00	11.23
125.00	1 5/8" Hybrid	Yes	1.00	0.000	4.00	0.33	0.00	0.155	1.164	52.758	0.00	1.98
125.00	1.6" Hybrid	Yes	1.00	0.000	1.60	0.13	0.00	0.155	1.164	52.758	0.00	0.90
126.00	1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.111	1.034	52.846	0.00	11.23
126.00	1 5/8" Hybrid	Yes	1.00	0.000	4.00	0.33	0.00	0.111	1.034	52.846	0.00	1.98
128.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.112	1.037	53.022	0.00	22.46
128.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.112	1.037	53.022	0.00	3.96
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.114	1.042	53.195	0.00	22.46
130.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.114	1.042	53.195	0.00	3.96
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.116	1.048	53.366	0.00	22.46
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.116	1.048	53.366	0.00	3.96
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.118	1.053	53.536	0.00	22.46
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.118	1.053	53.536	0.00	3.96
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.119	1.058	53.703	0.00	22.46
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.119	1.058	53.703	0.00	3.96
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.121	1.064	53.868	0.00	22.46
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.121	1.064	53.868	0.00	3.96
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.123	1.070	54.032	0.00	22.46
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.123	1.070	54.032	0.00	3.96
		. 55	2.03	2.220		5.51	5.53	5 _5		tals:	0.0	1,962.2

Structure: CT00595-S-SBA **Code:** TIA-222-H 3/18/2022

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: II Page: 40



Iterations

32

Load Case: 0.9D + 1.0W 128 mph Wind

Dead Load Factor 0.90

Wind Load Factor 0.90

Wind Load Factor 1.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)		Rotation Twist (deg)	Stress Ratio
0.00	-54.25	-59.89	0.00	-7279.0	0.00	7279.01	5795.46	1682.91	8909.80	7510.36	0.00	0.000	0.000	0.980
2.00	-53.49	-59.58	0.00	-7159.2	0.00	7159.23	5776.44	1669.60	8769.44	7426.09	0.02	-0.083	0.000	0.975
4.00	-52.74	-59.27	0.00	-7040.0	0.00	7040.07	5757.00	1656.30	8630.20	7341.68	0.07	-0.167	0.000	0.969
6.00	-51.99	-58.96	0.00	-6921.5	0.00	6921.54	5737.14	1642.99	8492.07	7257.12	0.16	-0.251	0.000	0.964
8.00	-51.25	-58.65	0.00	-6803.6	0.00	6803.62	5716.84	1629.68	8355.05	7172.43	0.28	-0.336	0.000	0.959
10.00	-50.51	-58.35	0.00	-6686.3	0.00	6686.31	5696.12	1616.37	8219.15	7087.63	0.44	-0.422	0.000	0.954
12.00	-49.78	-58.05	0.00	-6569.6	0.00	6569.61	5674.97	1603.06	8084.36	7002.73	0.64	-0.508	0.000	0.948
14.00	-49.05	-57.74	0.00	-6453.5	0.00	6453.52	5653.40	1589.76	7950.69	6917.75	0.87	-0.595	0.000	0.943
16.00	-48.33	-57.44	0.00	-6338.0	0.00	6338.04	5631.39	1576.45	7818.13	6832.69	1.14	-0.682	0.000	0.938
18.00	-47.62	-57.13	0.00	-6223.1	0.00	6223.16	5608.96	1563.14	7686.69	6747.57	1.45	-0.770	0.000	0.932
20.00	-46.90	-56.81	0.00	-6108.9	0.00	6108.91	5586.10	1549.83	7556.36	6662.41	1.79	-0.859	0.000	0.927
22.00	-46.20	-56.48	0.00	-5995.2	0.00	5995.29	5562.81	1536.52	7427.15	6577.21	2.17	-0.948	0.000	0.921
24.00	-45.50	-56.15	0.00	-5882.3	0.00	5882.33	5539.10	1523.21	7299.05	6491.99	2.58	-1.038	0.000	0.916
26.00	-44.80	-55.82	0.00	-5770.0	0.00	5770.03	5514.96	1509.91	7172.06	6406.77	3.04	-1.128	0.000	0.910
28.00	-44.11	-55.48	0.00	-5658.3	0.00	5658.39	5490.39	1496.60	7046.19	6321.55	3.53	-1.219	0.000	0.905
30.00	-43.42	-55.09	0.00	-5547.4	0.00	5547.44	5465.39	1483.29	6921.43	6236.35	4.06	-1.311	0.000	0.899
32.00	-42.74	-54.75	0.00	-5437.2	0.00	5437.25	5439.96	1469.98	6797.79	6151.18	4.63	-1.404	0.000	0.893
34.00	-42.08	-54.39	0.00	-5327.7	0.00	5327.76	5414.11	1456.67	6675.26	6066.06	5.24	-1.497	0.000	0.887
35.50	-41.60	-54.11	0.00	-5246.1	0.00	5246.18	5394.44	1446.69	6584.09	6002.26	5.72	-1.567	0.000	0.883
36.00	-41.28	-54.04	0.00	-5219.1	0.00	5219.13	5387.83	1443.36	6553.84	5981.00	5.89	-1.591	0.000	0.882
38.00	-40.14	-53.67	0.00	-5111.0	0.00	5111.05	5361.12	1430.06	6433.54	5896.01	6.58	-1.685	0.000	0.876
40.00	-39.01	-53.29	0.00	-5003.7	0.00	5003.72	5333.99	1416.75	6314.36	5811.11	7.30	-1.780	0.000	0.870
42.00	-37.91	-52.89	0.00	-4897.1	0.00	4897.15	5306.43	1403.44	6196.29	5726.30	8.07	-1.876	0.000	0.864
43.00	-37.35	-52.70	0.00	-4844.2	0.00	4844.26	4823.70	1326.07	5927.09	5273.35	8.47	-1.924	0.000	0.928
44.00	-37.02	-52.53	0.00	-4791.5	0.00	4791.57	4812.47	1319.86	5871.70	5236.23	8.88	-1.972	0.000	0.924
46.00	-36.40	-52.16	0.00	-4686.5	0.00	4686.51	4789.68	1307.44	5761.71	5161.99	9.72	-2.071	0.000	0.917
48.00	-35.79	-51.79	0.00	-4582.2	0.00	4582.20	4766.46	1295.02	5652.75	5087.77	10.61	-2.170	0.000	0.910
50.00	-35.18	-51.41	0.00	-4478.6	0.00	4478.63	4742.82	1282.60	5544.84	5013.57	11.54	-2.270	0.000	0.902
52.00	-34.58	-51.03	0.00	-4375.8	0.00	4375.81	4718.75	1270.18	5437.96	4939.41	12.52	-2.370	0.000	0.895
54.00	-33.98	-50.65	0.00	-4273.7	0.00	4273.75	4694.25	1257.76	5332.12	4865.31	13.53	-2.471	0.000	0.887
56.00	-33.39	-50.27	0.00	-4172.4	0.00	4172.44	4669.32	1245.33	5227.33	4791.28	14.59	-2.573	0.000	0.880
58.00	-32.80	-49.89	0.00	-4071.8	0.00	4071.89	4643.97	1232.91	5123.57	4717.32	15.69	-2.675	0.000	0.872
60.00	-32.22	-49.51	0.00	-3972.1	0.00	3972.11	4618.19	1220.49	5020.86	4643.46	16.83	-2.777	0.000	0.864
62.00	-31.64	-49.12	0.00	-3873.1	0.00	3873.10	4591.98	1208.07	4919.18	4569.71	18.02	-2.881	0.000	0.856
64.00	-31.07	-48.74	0.00	-3774.8	0.00	3774.86	4565.34	1195.65	4818.55	4496.07	19.25	-2.984	0.000	0.848
66.00	-30.50	-48.35	0.00	-3677.3	0.00	3677.39	4538.28	1183.23	4718.95	4422.57	20.52	-3.089	0.000	0.840
68.00	-29.94	-47.96	0.00	-3580.6	0.00	3580.69	4510.78	1170.81	4620.40	4349.22	21.84	-3.193	0.000	0.832
70.00	-29.39	-47.57	0.00	-3484.7	0.00	3484.78	4482.87		4522.88	4276.03	23.20	-3.299	0.000	0.823
72.00	-28.84			-3389.6	0.00	3389.64		1145.97		4203.01	24.60		0.000	0.815
74.00	-28.33			-3295.2	0.00	3295.29	4425.74		4330.97		26.05		0.000	0.806
74.50	-28.17			-3271.9	0.00	3271.90	4418.48		4307.27	4111.99	26.42		0.000	0.804
76.00	-27.50			-3201.8	0.00	3201.88	4396.54		4236.58	4057.54	27.54		0.000	0.797
78.00	-26.63			-3109.1	0.00	3109.13	4366.91		4143.22	3985.11	29.08		0.000	0.788
80.00		-45.52		-3017.2	0.00	3017.23	4336.86	1096.28		3912.92	30.66		0.000	0.779
81.00	-25.36			-2971.7	0.00	2971.72	3502.12	951.57			31.47		0.000	0.937
82.00	-25.10			-2926.4	0.00	2926.41	3492.03	946.24			32.29		0.000	0.930
84.00	-24.62			-2836.1	0.00	2836.18	3471.52		3442.15		33.97		0.000	0.918
86.00	-24.15			-2746.7	0.00	2746.72	3450.59		3364.26		35.69		0.000	0.904
30.00	24.10	44.00	0.00	2170.1	0.00	2170.12	0-00.00	JZ-7.30	5007.20	5000.00	00.00	-4.101	0.000	0.004

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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



Dase		0.000 (,					D -	Sun Sun					
Gh:		1.1		Тор	ography:	1 8	Struct Clas	s: II			Pag	ge: 41	Tower Engineer	ing Solution
88.00	-23.68	-43.94	0.00	-2658.0	0.00	2658.06	3429.23	914.30	3287.26	3013.99	37.47	-4.300	0.000	0.891
90.00	-23.22	-43.55	0.00	-2570.1	0.00	2570.18	3407.44	903.66	3211.15	2959.67	39.30	-4.421	0.000	0.878
92.00	-22.76	-43.15	0.00	-2483.0	0.00	2483.08	3385.23	893.01	3135.93	2905.43	41.17	-4.541	0.000	0.864
94.00	-22.31	-42.76	0.00	-2396.7	0.00	2396.78	3362.58	882.36	3061.60	2851.28	43.10	-4.661	0.000	0.850
96.00	-21.87	-42.37	0.00	-2311.2	0.00	2311.26	3339.51	871.72	2988.16	2797.25	45.08	-4.782	0.000	0.835
98.00	-21.43	-41.97	0.00	-2226.5	0.00	2226.53	3316.01	861.07	2915.61	2743.33	47.10	-4.902	0.000	0.820
100.00	-20.99	-41.58	0.00	-2142.5	0.00	2142.59	3292.09	850.42	2843.96	2689.56	49.18	-5.022	0.000	0.805
102.00	-20.56	-41.18	0.00	-2059.4	0.00	2059.43	3267.73	839.78	2773.20	2635.93	51.31	-5.142	0.000	0.790
104.00	-20.14	-40.79	0.00	-1977.0	0.00	1977.07	3242.95	829.13	2703.33	2582.46	53.49	-5.262	0.000	0.774
106.00	-19.72	-40.79	0.00	-1895.4	0.00	1895.49	3242.93	818.48	2634.35	2529.17	55.71	-5.381	0.000	0.774
108.00	-19.72	-40.00	0.00	-1814.6	0.00	1814.69	3192.11	807.84	2566.26	2476.07	57.99	-5.500	0.000	0.741
110.00	-18.90	-39.61	0.00	-1734.6	0.00	1734.68	3166.05	797.19	2499.06	2423.18	60.32	-5.619	0.000	0.724
112.00	-18.50	-39.22	0.00	-1655.4	0.00	1655.46	3139.56	786.54	2432.76	2370.49	62.69	-5.736	0.000	0.707
114.00	-18.11	-38.83	0.00	-1577.0	0.00	1577.02	3112.64	775.90	2367.34	2318.04	65.12	-5.853	0.000	0.689
116.00	-17.72	-38.44	0.00	-1499.3	0.00	1499.37	3085.29	765.25	2302.82	2265.83	67.59	-5.969	0.000	0.670
118.00	-17.36	-38.03	0.00	-1422.5	0.00	1422.50	3057.52	754.60	2239.19	2213.87	70.11	-6.083	0.000	0.651
118.75	-17.20	-37.89	0.00	-1393.9	0.00	1393.97	3046.99	750.61	2215.56	2194.45	71.07	-6.126	0.000	0.643
120.00	-16.82	-37.64	0.00	-1346.6	0.00	1346.61	3029.32	743.96	2176.45	2162.18	72.68	-6.197	0.000	0.631
122.00	-16.23	-37.21	0.00	-1271.3	0.00	1271.34	3000.69	733.31	2114.60	2110.77	75.30	-6.309	0.000	0.610
124.00	-15.67	-36.79	0.00	-1196.9	0.00	1196.91	2338.57	614.36	1781.07	1656.86	77.96	-6.419	0.000	0.733
125.00	-13.81	-32.69	0.00	-1160.1	0.00	1160.13	2329.03	609.92	1755.44	1638.08	79.31	-6.474	0.000	0.717
126.00	-13.63	-32.52	0.00	-1127.4	0.00	1127.44	2319.39	605.49	1730.00	1619.32	80.67	-6.535	0.000	0.705
128.00	-13.31	-32.18	0.00	-1062.4	0.00	1062.40	2299.78	596.62	1679.67	1581.89	83.43	-6.656	0.000	0.680
130.00	-13.00	-31.83	0.00	-998.04	0.00	998.04	2279.74	587.74	1630.09	1544.58	86.23	-6.774	0.000	0.655
132.00	-12.69	-31.49	0.00	-934.37	0.00	934.37	2259.27	578.87	1581.25	1507.39	89.09	-6.890	0.000	0.628
134.00	-12.39	-31.15	0.00	-871.39	0.00	871.39	2238.38	570.00	1533.15	1470.34	92.00	-7.004	0.000	0.601
136.00	-12.09	-30.81	0.00	-809.09	0.00	809.09	2217.06	561.13	1485.79	1433.45	94.95	-7.114	0.000	0.573
138.00	-11.80	-30.47	0.00	-747.47	0.00	747.47	2195.31	552.25	1439.18	1396.73	97.94	-7.222	0.000	0.544
140.00	-9.54	-24.26	0.00	-686.06	0.00	686.06	2173.13	543.38	1393.31	1360.19	100.98	-7.326	0.000	0.511
142.00	-9.29	-23.95	0.00	-637.53	0.00	637.53	2150.53	534.51	1348.18	1323.84	104.07	-7.426	0.000	0.488
144.00	-9.05	-23.64	0.00	-589.64	0.00	589.64	2127.50	525.64	1303.79	1287.70	107.19	-7.525	0.000	0.464
146.00	-8.82	-23.33	0.00	-542.36	0.00	542.36	2104.04	516.77	1260.15	1251.78	110.35	-7.620	0.000	0.439
148.00	-8.58	-23.03	0.00	-495.70	0.00	495.70	2080.15	507.89	1217.25	1216.10	113.56	-7.711	0.000	0.414
150.00	-6.33	-17.52	0.00	-449.65	0.00	449.65	2055.84	499.02	1175.10	1180.67	116.80	-7.799	0.000	0.385
152.00	-6.14	-17.23	0.00	-414.60	0.00	414.60	2033.04	490.15	1133.68	1145.49	120.07	-7.884	0.000	0.366
	-5.97		0.00				2005.93	481.28	1093.01					0.347
154.00		-16.93		-380.15	0.00	380.15				1110.59	123.38	-7.967	0.000	
154.75	-5.90	-16.82	0.00	-367.45	0.00	367.45	1996.38	477.95	1077.95	1097.58	124.63	-7.997	0.000	0.339
156.00	-5.72	-16.63	0.00	-346.42	0.00	346.42	1980.33	472.40	1053.09	1075.98	126.73	-8.047	0.000	0.326
158.00	-5.45	-16.33	0.00	-313.15	0.00	313.15	1946.84	463.53	1013.90	1037.68	130.10	-8.123	0.000	0.306
159.00		-16.18	0.00	-296.82	0.00	296.82	942.51	280.76	619.93	509.56	131.81	-8.161	0.000	0.591
160.00		-16.05	0.00	-280.64	0.00	280.64	939.15	278.09	608.23	502.90	133.51	-8.197	0.000	0.567
162.00		-15.78	0.00	-248.55	0.00	248.55	932.13	272.77	585.17	489.52	136.96	-8.305	0.000	0.517
164.00	-5.02		0.00	-217.00	0.00	217.00	924.68	267.45	562.55	476.06	140.45	-8.406	0.000	0.465
166.00	-4.92	-15.25	0.00	-185.97	0.00	185.97	916.80	262.12	540.38	462.54	143.98	-8.499	0.000	0.411
167.00	-2.23	-7.64	0.00	-170.73	0.00	170.73	912.70	259.46	529.46	455.76	145.76	-8.542	0.000	0.378
168.00	-2.19	-7.51	0.00	-163.08	0.00	163.08	908.49	256.80	518.65	448.97	147.54	-8.584	0.000	0.367
170.00	-2.13	-7.26	0.00	-148.06	0.00	148.06	899.76	251.48	497.37	435.36	151.14	-8.665	0.000	0.343
172.00	-2.06	-7.01	0.00	-133.54	0.00	133.54	890.60	246.15	476.54	421.74	154.78	-8.742	0.000	0.320
174.00	-2.00	-6.77	0.00	-119.52	0.00	119.52	881.01	240.83	456.15	408.10	158.44	-8.817	0.000	0.296
176.00	-1.94	-6.53	0.00	-105.98	0.00	105.98	870.99	235.51	436.21	394.47	162.14	-8.888	0.000	0.272
178.00	-1.89	-6.29	0.00	-92.93	0.00	92.93	860.55	230.18	416.71	380.86	165.86	-8.955	0.000	0.247
180.00	-1.83	-6.06	0.00	-80.35	0.00	80.35	849.68	224.86	397.66	367.28	169.61	-9.017	0.000	0.222
182.00	-1.78	-5.83	0.00	-68.23	0.00	68.23	838.38	219.54	379.06	353.74	173.38	-9.075	0.000	0.196
184.00	-1.73	-5.61	0.00	-56.56	0.00	56.56	826.65	214.21	360.90	340.26	177.18	-9.126	0.000	0.169
186.00	-1.68	-5.39	0.00	-45.34	0.00	45.34	814.50	208.89	343.18	326.85	181.00	-9.172	0.000	0.141
	-1.63	-5.18	0.00	-34.55	0.00	34.55	801.91	203.57	325.91	313.52	184.83	-9.210	0.000	0.113
188.00			0.00		0.00					U 1U.UE		J. E I U		U. 1 I U

Structure: CT00595-S-SBA Code: TIA-222-H 3/18/2022

С Site Name: Stonington East **Exposure:** Height: 196.00 (ft) Crest Height: 0.00

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

Gh: Topography: 1 Struct Class: || 1.1 -1.55 -4.77 0.00 -14.24 0.00 14.24 775.47 192.92 292.71 287.17 192.54 -9.263 0.000

((押)) Tower Engineering Solutions Page: 42

Site Name:Stonington EastExposure:CHeight:196.00 (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



Tot

30

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

Dead Load Factor 1.20 Wind Load Factor 1.00



Iterations

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)
0.00		1.00	0.85	5.158	5.67	0.00	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
2.00		1.00	0.85	5.158	5.67	0.00	1.200	0.756	2.00	11.251	13.50	76.6	125.8	905.8
4.00		1.00	0.85	5.158	5.67	0.00	1.200	0.810	2.00	11.183	13.42	76.1	133.9	907.7
6.00		1.00	0.85	5.158	5.67	0.00	1.200	0.843	2.00	11.107	13.33	75.6	138.4	906.1
8.00		1.00	0.85	5.158	5.67	0.00	1.200	0.868	2.00	11.029	13.23	75.1	141.4	902.8
10.00		1.00	0.85	5.158	5.67	0.00	1.200	0.887	2.00	10.949	13.14	74.6	143.5	898.7
12.00		1.00	0.85	5.158	5.67	0.00	1.200	0.904	2.00	10.867	13.04	74.0	145.0	894.0
14.00		1.00	0.85	5.158	5.67	0.00	1.200	0.918	2.00	10.785	12.94	73.4	146.0	888.9
16.00		1.00	0.86	5.222	5.74	0.00	1.200	0.930	2.00	10.703	12.84	73.8	146.8	883.5
18.00		1.00	0.88	5.353	5.89	0.00	1.200	0.941	2.00	10.620	12.74	75.0	147.4	877.8
20.00		1.00	0.90	5.473	6.02	0.00	1.200	0.951	2.00	10.536	12.64	76.1	147.7	872.0
22.00		1.00	0.92	5.584	6.14	0.00	1.200	0.960		10.453	12.54	77.1	147.9	866.0
24.00		1.00	0.94	5.688	6.26	0.00	1.200	0.969	2.00	10.369	12.44	77.8	147.9	859.9
26.00		1.00	0.95	5.784	6.36	0.00	1.200	0.976	2.00	10.285	12.34	78.5	147.9	853.6
28.00		1.00	0.97	5.875	6.46	0.00	1.200	0.984		10.201	12.24	79.1	147.7	847.2
	purtenance(s)	1.00	0.98	5.961	6.56	0.00	1.200	0.991	2.00	10.116	12.14	79.6	147.5	840.8
32.00	. ,	1.00	1.00	6.043	6.65	0.00	1.200	0.997		10.032	12.04	80.0		834.3
34.00		1.00	1.01	6.120	6.73	0.00	1.200	1.003	2.00	9.947	11.94	80.4		827.7
	ot - Section 2	1.00	1.02	6.176	6.79	0.00	1.200	1.007	1.50	7.404	8.89	60.4		616.4
36.00	000000112	1.00	1.02	6.194	6.81	0.00	1.200	1.009	0.50	2.495	2.99	20.4		364.8
38.00		1.00	1.03	6.265	6.89	0.00	1.200	1.014	2.00	9.928	11.91	82.1	148.1	1451.0
40.00		1.00	1.04	6.333	6.97	0.00	1.200	1.019	2.00	9.843	11.81	82.3		1438.5
42.00		1.00	1.05	6.399	7.04		1.203 *	1.024	2.00	9.758	11.74	82.6		1425.9
	p - Section 1	1.00	1.06	6.430	7.07		1.205 *	1.027	1.00	4.847	5.84	41.3		708.3
44.00	, ,	1.00	1.06	6.462	7.11		1.201 *	1.029	1.00	4.826	5.80	41.2		381.0
46.00		1.00	1.07	6.522	7.17		1.203 *	1.034	2.00	9.588	11.54	82.8		756.9
48.00		1.00	1.08	6.581	7.24		1.207 *	1.038	2.00	9.503	11.47	83.0		750.4
50.00		1.00	1.09	6.638	7.30		1.210 *	1.042	2.00	9.418	11.40	83.2		743.8
52.00		1.00	1.10	6.693	7.36		1.214 *	1.047	2.00	9.332	11.33	83.4		737.3
54.00		1.00	1.11	6.746	7.42		1.218 *	1.050	2.00	9.247	11.26	83.6		730.7
56.00		1.00	1.12	6.798	7.48		1.221 *	1.054	2.00	9.161	11.19	83.7		724.1
58.00		1.00	1.13	6.849	7.53		1.225 *	1.058	2.00	9.076	11.12	83.8		717.4
60.00		1.00	1.14	6.898	7.59		1.229 *	1.062	2.00	8.991	11.05	83.8		710.7
62.00		1.00	1.14	6.945	7.64		1.233 *	1.065	2.00	8.905	10.98	83.9		704.0
64.00		1.00	1.15	6.992	7.69		1.237 *	1.068	2.00	8.819	10.91	83.9		697.3
66.00		1.00	1.16	7.037	7.74		1.241 *	1.072	2.00	8.734	10.84	83.9		690.6
68.00		1.00	1.17	7.082	7.79		1.245 *	1.075	2.00	8.648	10.77	83.9		683.8
70.00		1.00	1.17	7.125	7.84		1.250 *	1.078	2.00	8.563	10.70	83.9		677.0
72.00		1.00		7.168	7.88		1.254 *	1.081	2.00		10.63	83.8		670.2
74.00		1.00	1.19	7.209	7.93		1.258 *	1.084	2.00	8.391	10.56	83.7		663.4
	ot - Section 3	1.00	1.19	7.219	7.94		1.261 *		0.50	2.084	2.63	20.9		164.9
76.00	oc occion o	1.00	1.19	7.250	7.97		1.264 *		1.50	6.318	7.98	63.7		836.3
78.00		1.00	1.20	7.289	8.02		1.268 *		2.00	8.349	10.58	84.9		1104.6
80.00		1.00	1.21	7.328	8.06		1.272 *		2.00	8.263	10.51	84.8		1092.8
	on Section 2	1.00					1.276 *	1.093		4.099				
82.00	pp - Section 2	1.00	1.21	7.347	8.08		1.271 *		1.00	4.099	5.23 5.18	42.3 42.0		542.1 286.2
84.00		1.00	1.21	7.366 7.404	8.10		1.275 *		1.00			42.0 84.0		
04.00		1.00	1.22	7.404	0.14	0.00	1.210	1.098	2.00	8.092	10.32	04.0	129.8	567.6

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Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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



Base Elev:	0.000 (ft)					Site Class	: D-	Stiff So	il				
Gh:	1.1		Topog	raphy:	1	Struct Cla	ss: II				Page: 44	Tower E	ngineering Solutio
86.00		1.00	1.23	7.441	8.18	0.00 1.280 *	1.101	2.00	8.006	10.25	83.9	128.6	561.5
88.00		1.00	1.23	7.477	8.22	0.00 1.285 *	1.103	2.00	7.920	10.18	83.7	127.5	555.4
90.00		1.00	1.24	7.512	8.26	0.00 1.290 *	1.106	2.00	7.834	10.11	83.5	126.4	549.3
92.00		1.00	1.24	7.547	8.30	0.00 1.295 *	1.108	2.00	7.748	10.04	83.3	125.2	543.2
94.00		1.00	1.25	7.581	8.34	0.00 1.301 *	1.110	2.00	7.663	9.97	83.1	124.0	537.1
96.00		1.00	1.25	7.615	8.38	0.00 1.306 *	1.113	2.00	7.577	9.90	82.9	122.9	531.0
98.00		1.00	1.26	7.648	8.41	0.00 1.312 *	1.115	2.00	7.491	9.83	82.7	121.7	524.8
100.00		1.00	1.27	7.681	8.45	0.00 1.318 *	1.117	2.00	7.405	9.76	82.4	120.5	518.7
102.00		1.00	1.27	7.713	8.48	0.00 1.324 *	1.119	2.00	7.319	9.69	82.2	119.2	512.5
104.00		1.00	1.28	7.744	8.52	0.00 1.330 *	1.122	2.00	7.233	9.62	81.9	118.0	506.3
106.00		1.00	1.28	7.776	8.55	0.00 1.336 *	1.124	2.00	7.147	9.55	81.7	116.8	500.1
108.00		1.00	1.29	7.806	8.59	0.00 1.343 *	1.126	2.00	7.061	9.48	81.4	115.5	493.9
110.00		1.00	1.29	7.836	8.62	0.00 1.349 *	1.128	2.00	6.975	9.41	81.1	114.3	487.7
112.00		1.00	1.30	7.866	8.65	0.00 1.356 *	1.130	2.00	6.889	9.34	80.8	113.0	481.5
114.00		1.00	1.30	7.896	8.69	0.00 1.363 *	1.132	2.00	6.803	9.27	80.5	111.8	475.3
116.00		1.00	1.31	7.925	8.72	0.00 1.370 *	1.134	2.00	6.717	9.20	80.2	110.5	469.1
118.00		1.00	1.31	7.953	8.75	0.00 1.377 *	1.136	2.00	6.631	9.13	79.9	109.2	462.8
118.75 Bot - Sec	tion 1	1.00	1.31	7.964	8.76	0.00 1.383 *	1.137	0.75	2.464	3.41	29.8	40.8	
118.75 Bot - Sec 120.00	11011 4			7.981	8.78	0.00 1.386 *			4.148	5.75		68.6	172.1
		1.00	1.32				1.138	1.25			50.5		470.6
122.00		1.00	1.32	8.009	8.81	0.00 1.393 *	1.140	2.00	6.567	9.15	80.6	108.5	744.3
124.00 Top - Sec		1.00	1.32	8.037	8.84	0.00 1.401 *	1.142	2.00	6.480	9.08	80.2	107.2	733.9
125.00 Appurten	ance(s)	1.00	1.33	8.050	8.86	0.00 1.397 *	1.142	1.00	3.208	4.48	39.7	53.3	195.7
126.00		1.00	1.33	8.064	8.87	0.00 1.241 *	1.143	1.00	3.186	3.95	35.1	52.9	194.3
128.00		1.00	1.33	8.090	8.90	0.00 1.245 *	1.145	2.00	6.308	7.85	69.9	104.5	384.2
130.00		1.00	1.34	8.117	8.93	0.00 1.251 *	1.147	2.00	6.222	7.78	69.5	103.2	378.8
132.00		1.00	1.34	8.143	8.96	0.00 1.257 *	1.149	2.00	6.136	7.71	69.1	101.9	373.3
134.00		1.00	1.35	8.169	8.99	0.00 1.264 *	1.150	2.00	6.050	7.64	68.7	100.5	367.8
136.00		1.00	1.35	8.194	9.01	0.00 1.270 *	1.152	2.00	5.964	7.57	68.3	99.2	362.4
138.00		1.00	1.35	8.220	9.04	0.00 1.277 *	1.154	2.00	5.878	7.51	67.9	97.8	356.9
140.00 Appurten	ance(s)	1.00	1.36	8.245	9.07	0.00 1.284 *	1.155	2.00	5.792	7.44	67.4	96.5	351.4
142.00		1.00	1.36	8.269	9.10	0.00 1.200	1.157	2.00	5.705	6.85	62.3	95.1	345.9
144.00		1.00	1.37	8.294	9.12	0.00 1.200	1.159	2.00	5.619	6.74	61.5	93.7	340.4
146.00		1.00	1.37	8.318	9.15	0.00 1.200	1.160	2.00	5.533	6.64	60.8	92.3	334.9
148.00		1.00	1.37	8.342	9.18	0.00 1.200	1.162	2.00	5.447	6.54	60.0	91.0	329.4
150.00 Appurten	ance(s)	1.00	1.38	8.365	9.20	0.00 1.200	1.163	2.00	5.361	6.43	59.2	89.6	323.9
152.00	a.100(0)	1.00	1.38	8.389	9.23	0.00 1.200	1.165	2.00	5.275	6.33	58.4	88.2	318.3
154.00		1.00	1.39	8.412	9.25	0.00 1.200	1.167	2.00	5.188	6.23	57.6	86.8	312.8
154.75 Bot - Sec	tion 5	1.00	1.39	8.420	9.26	0.00 1.200	1.167	0.75	1.923	2.31	21.4	32.3	116.0
	tion 5					0.00 1.200			3.219			54.1	
156.00		1.00	1.39	8.435	9.28	0.00 1.200	1.168	1.25		3.86	35.8		276.7
158.00	A	1.00	1.39	8.457	9.30		1.170	2.00	5.081	6.10	56.7	85.1	436.0
159.00 Top - Sec	ction 4	1.00	1.40	8.468	9.32	0.00 1.200	1.170	1.00	2.508	3.01	28.0	42.2	215.2
160.00		1.00	1.40	8.480	9.33	0.00 1.200	1.171	1.00	2.486	2.98	27.8	41.8	106.9
162.00		1.00	1.40	8.502	9.35	0.00 1.200	1.172	2.00	4.908	5.89	55.1	82.3	210.4
164.00		1.00	1.40	8.524	9.38	0.00 1.200	1.174	2.00	4.822	5.79	54.3	80.8	206.5
166.00		1.00	1.41	8.546	9.40	0.00 1.200	1.175	2.00	4.736	5.68	53.4	79.4	202.6
167.00 Appurten:	ance(s)	1.00	1.41	8.556	9.41	0.00 1.200	1.176	1.00	2.336	2.80	26.4	39.4	100.0
68.00		1.00	1.41	8.567	9.42	0.00 1.200	1.177	1.00	2.314	2.78	26.2	39.0	99.1
70.00		1.00	1.42	8.589	9.45	0.00 1.200	1.178	2.00	4.564	5.48	51.7	76.5	194.8
72.00		1.00	1.42	8.610	9.47	0.00 1.200	1.180	2.00	4.477	5.37	50.9	75.1	190.9
74.00		1.00	1.42	8.631	9.49	0.00 1.200	1.181	2.00	4.391	5.27	50.0	73.7	187.0
76.00		1.00	1.43	8.651	9.52	0.00 1.200	1.182	2.00	4.305	5.17	49.2	72.2	183.0
78.00		1.00	1.43	8.672	9.54	0.00 1.200	1.184	2.00	4.219	5.06	48.3	70.7	179.1
80.00		1.00	1.43	8.693	9.56	0.00 1.200	1.185	2.00	4.132	4.96	47.4	69.3	175.2
182.00		1.00	1.44	8.713	9.58	0.00 1.200	1.186	2.00	4.046	4.86	46.5	67.8	171.2
84.00		1.00	1.44	8.733	9.61	0.00 1.200	1.187	2.00	3.960	4.75	45.6	66.4	167.3
186.00		1.00		8.753	9.63	0.00 1.200	1.189	2.00	3.874	4.65	44.8	64.9	163.3
						0.00 1.200							
188.00		1.00	1.45	8.772	9.65	0.00 1.200	1.190	2.00	3.787	4.54	43.9	63.4	159.4

Structure: CT00595-S-SBA **Code:** TIA-222-H 3/18/2022

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1		Topog	raphy:	1	Str	uct CI	ass: II				Page: 45	Tower	Engineering Solution
190.00	1.00	1.45	8.792	9.67	0.00	1.200	1.191	2.00	3.701	4.44	43.0	61.9	155.4
192.00	1.00	1.45	8.811	9.69	0.00	1.200	1.193	2.00	3.615	4.34	42.0	60.4	151.5
194.00	1.00	1.46	8.831	9.71	0.00	1.200	1.194	2.00	3.529	4.23	41.1	59.0	147.5
195.00 Appurtenance(s)	1.00	1.46	8.840	9.72	0.00	1.200	1.194	1.00	1.732	2.08	20.2	29.1	72.4
196.00 Appurtenance(s)	1.00	1.46	8.850	9.73	0.00	1.200	1.195	1.00	1.710	2.05	20.0	28.7	71.4
* Cf Adjusted by Linear Loa	d Ra Effect						Totals:	196.00			7,031.5		56,945.3

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Discrete Appurtenance Forces

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: II Page: 46



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

Dead Load Factor 1.20 Wind Load Factor 1.00



No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	196.00	6' Lightning rod	1	8.850	9.735	1.00	1.00	1.12	27.36	0.000	0.000	10.95	0.00	0.00
2	195.00	APXVSPP18-C-A20	3	8.840	9.724	0.66	0.80	19.78	411.59	0.000	0.000	192.39	0.00	0.00
3	195.00	APXVTM14-C-120	3	8.840	9.724	0.63	0.80	13.44	510.21	0.000	0.000	130.65	0.00	0.00
4	195.00	1900MHz RRH	3	8.840	9.724	0.40	0.80	5.70	288.93	0.000	0.000	55.44	0.00	0.00
5	195.00	TD-RRH8x20-25	3	8.840	9.724	0.40	0.80	5.51	464.14	0.000	0.000	53.59	0.00	0.00
6	195.00	800MHz RRH	3	8.840	9.724	0.40	0.80	4.12	307.16	0.000	0.000	40.05	0.00	0.00
7	195.00	800MHz Filter	3	8.840	9.724	0.40	0.80	1.47	52.90	0.000	0.000	14.27	0.00	0.00
8	195.00	ACU-A20-N	4	8.840	9.724	0.40	0.80	0.55	11.36	0.000	0.000	5.34	0.00	0.00
9		Low Profile Platform	1	8.840	9.724	1.00	1.00	34.09	2395.80	0.000	0.000	331.47	0.00	0.00
10	167.00	(3) VSR-TS-B	1	8.556	9.412	1.00	1.00	21.11	605.67	0.000	0.000	198.67	0.00	0.00
11	167.00	PRK-1245 (kicker kit)	1	8.556	9.412	1.00	1.00	16.20	681.50	0.000	0.000	152.51	0.00	0.00
12	167.00	HRK12 (Handrail Kit)	1	8.556	9.412	1.00	1.00	11.20	785.08	0.000	0.000	105.37	0.00	0.00
13		Low Profile	1	8.556	9.412	1.00	1.00	33.90	2382.03	0.000	0.000	319.08	0.00	0.00
14	167.00	KRY 112 144/1	3	8.556	9.412	0.38	0.75	0.82	54.98	0.000	0.000	7.73	0.00	0.00
15		Ericsson AIR6449 B41	3	8.556	9.412	0.53	0.75	10.05	552.90	0.000	0.000	94.58	0.00	0.00
16	167.00	(3) SFS-H-L (V-Braces)	1	8.556	9.412	1.00	1.00	11.43	391.39	0.000	0.000	107.56	0.00	0.00
17		Commscope VV-65A-R1	3	8.556	9.412	0.58	0.75	12.49	453.87	0.000	0.000	117.58	0.00	0.00
18	167.00		3	8.556	9.412	0.55	0.75	35.32	1271.77	0.000	0.000	332.45	0.00	0.00
19		Ericsson 4449 B71 + B85	3	8.556	9.412	0.38	0.75	2.65	205.05	0.000	0.000	24.92	0.00	0.00
20		Ericsson 4460 B25 + B66	3	8.556	9.412	0.38	0.75	3.20	572.58	0.000	0.000	30.12	0.00	0.00
21		Low Profile	1	8.365	9.202	1.00	1.00	33.77	2372.61	0.000	0.000	310.78	0.00	0.00
22		DC6-48-60-18-8F	2	8.365	9.202	0.38	0.75	1.45	123.35	0.000	0.000	13.36	0.00	0.00
23		LGP13519	6	8.365	9.202	0.38	0.75	1.45	59.95	0.000	0.000	13.31	0.00	0.00
24		LGP21401	6	8.365	9.202	0.38	0.75	4.16	158.93	0.000	0.000	38.24	0.00	0.00
25		Handrail Kit	1	8.365	9.202	1.00	1.00	11.15	782.85	0.000	0.000	102.58	0.00	0.00
26		800 10966	2	8.365	9.202	0.54	0.75	20.03	755.92	0.000	0.000	184.32	0.00	0.00
27		80010964	1	8.365	9.202	0.53	0.75	5.78	259.33	0.000	0.000	53.17	0.00	0.00
28		HPA65R-BU4A	3	8.365	9.202	0.64	0.75	10.70	369.67	0.000	0.000	98.45	0.00	0.00
29		7700.00	3	8.365	9.202	0.61	0.75	3.85	155.37	0.000	0.000	35.40	0.00	0.00
30		mount pipe	2	8.365	9.202	1.00	1.00	12.13	324.95	0.000	0.000	111.66	0.00	0.00
31		4449 B5/B12	3	8.365	9.202	0.38	0.75	2.63	321.56	0.000	0.000	24.17	0.00	0.00
32		B2 B66A 8843	3	8.365	9.202	0.38	0.75	2.23	310.07	0.000	0.000	20.54	0.00	0.00
33		Low Profile Platform	1	8.245	9.069	1.00	1.00	33.69	2366.61	0.000	0.000	305.57	0.00	0.00
34		JMA Wireless	6	8.245	9.069	0.65	0.75	42.14	1445.80	0.000	0.000	382.18	0.00	0.00
35		Samsung MT6407-77A	3	8.263	9.089	0.56	0.75	8.96	506.71	0.000	1.500	81.45	0.00	122.18
36		Samsung	3	8.220	9.042	0.61	0.75	2.12	148.26	0.000	-2.000	19.15	0.00	-38.30
37		Samsung RF4440d 13a	3	8.245	9.069	0.38	0.75	5.70	343.99	0.000	0.000	51.67	0.00	0.00
38		Samsung RF4439d 25A	3	8.245	9.069	0.38	0.75	6.32	378.66	0.000	0.000	57.28	0.00	0.00
39		Raycap	1	8.245	9.069	0.75	0.75	3.45	88.63	0.000	0.000	31.32	0.00	0.00
40		HRK12 (Handrail Kit)	1	8.245	9.069	1.00	1.00	11.12	781.42	0.000	0.000	100.83	0.00	0.00
41		Mount Pipe	3	8.245	9.069	0.56	0.75	10.98	234.46	0.000	0.000	99.58	0.00	0.00
42		Commscope	1	8.050	8.855	1.00	1.00	68.51	2804.29	0.000	0.000	606.67	0.00	0.00
43		Raycap	1	8.050	8.855	0.38	0.75	0.89	48.44	0.000	0.000	7.91	0.00	0.00
44		Fujitsu TA08025-B604	3	8.050	8.855	0.38	0.75	2.62	293.17	0.000	0.000	23.18	0.00	0.00
45		Fujitsu TA08025-B605	3	8.050	8.855	0.38	0.75	2.62	334.92	0.000	0.000	23.18	0.00	0.00
46		JMA Wireless	3	8.050	8.855	0.55	0.75	22.39	601.83	0.000	0.000	198.29	0.00	0.00
47	30.00	GPS	1	5.961	6.557	1.00	1.00	1.40	20.64	0.000	0.000	9.21	0.00	0.00

Discrete Appurtenance Forces

Structure: CT00595-S-SBA **Code:** TIA-222-H 3/18/2022

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: II

((H)) IES Tower Engineering Solutions

Totals: 28,818.67 5,328.19

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Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: II Page: 48



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

Dead Load Factor 1.20 Wind Load Factor 1.00



Iterations	30	

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		76.61	1068.08	0.00	0.00	
4.00		76.15	1073.07	0.00	0.00	
6.00		75.63	1073.32	0.00	0.00	
8.00		75.10	1071.53	0.00	0.00	
10.00		74.55	1068.56	0.00	0.00	
12.00		74.00	1064.82	0.00	0.00	
14.00		73.44	1060.55	0.00	0.00	
16.00		73.78	1055.87	0.00	0.00	
18.00		75.04	1050.87	0.00	0.00	
20.00		76.12	1045.61	0.00	0.00	
22.00		77.05	1040.15	0.00	0.00	
24.00		77.84	1034.51	0.00	0.00	
26.00		78.53	1028.72	0.00	0.00	
28.00		79.11	1022.80	0.00	0.00	
30.00	(1) attachments	88.81	1037.41	0.00	0.00	
32.00		80.01	1010.63	0.00	0.00	
34.00		80.36	1004.41	0.00	0.00	
35.50		60.36	749.19	0.00	0.00	
36.00		20.40	409.02	0.00	0.00	
38.00		82.11	1628.44	0.00	0.00	
40.00		82.29	1616.23	0.00	0.00	
42.00		82.60	1603.96	0.00	0.00	
43.00		41.32	797.40	0.00	0.00	
44.00		41.19	470.11	0.00	0.00	
46.00		82.79	935.47	0.00	0.00	
48.00		83.03	929.24	0.00	0.00	
50.00		83.24	922.97	0.00	0.00	
52.00		83.41	916.65	0.00	0.00	
54.00		83.56	910.30	0.00	0.00	
56.00		83.68	903.91	0.00	0.00	
58.00		83.77	897.48	0.00	0.00	
60.00		83.84	891.03	0.00	0.00	
62.00		83.88	884.54	0.00	0.00	
64.00		83.91	878.03	0.00	0.00	
66.00		83.91	871.49	0.00	0.00	
68.00		83.90	864.92	0.00	0.00	
70.00		83.86	858.33	0.00	0.00	
72.00		83.81	851.72	0.00	0.00	
74.00		83.74	845.09	0.00	0.00	
74.50		20.88	210.31	0.00	0.00	
76.00		63.66	972.65	0.00	0.00	
78.00		84.87	1286.59	0.00	0.00	
80.00		84.76	1274.94	0.00	0.00	
81.00 82.00		42.28	633.22	0.00	0.00	
84.00		42.01 84.02	377.40 750.13	0.00 0.00	0.00	
04.00		04.02	730.13	0.00	0.00	

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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



83.86 83.70 83.52 83.32 83.12 82.91 82.68 82.44 82.20 81.94 81.68 81.40 81.12 80.83 80.53 80.22 79.90 29.85 50.49 80.57 80.25 898.92	744.22 738.29 732.34 726.38 720.40 714.41 708.41 702.39 696.36 690.32 684.26 678.20 672.12 666.03 659.93 653.83 647.71 241.45 586.20	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Page: 49 Tower Engineering	Solution
83.70 83.52 83.32 83.12 82.91 82.68 82.44 82.20 81.94 81.68 81.40 81.12 80.83 80.53 80.22 79.90 29.85 50.49 80.57 80.25	738.29 732.34 726.38 720.40 714.41 708.41 702.39 696.36 690.32 684.26 678.20 672.12 666.03 659.93 653.83 647.71 241.45	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 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00		
83.70 83.52 83.32 83.12 82.91 82.68 82.44 82.20 81.94 81.68 81.40 81.12 80.83 80.53 80.22 79.90 29.85 50.49 80.57 80.25	738.29 732.34 726.38 720.40 714.41 708.41 702.39 696.36 690.32 684.26 678.20 672.12 666.03 659.93 653.83 647.71 241.45	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 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00		
83.52 83.32 83.12 82.91 82.68 82.44 82.20 81.94 81.68 81.40 81.12 80.83 80.53 80.22 79.90 29.85 50.49 80.57 80.25	732.34 726.38 720.40 714.41 708.41 702.39 696.36 690.32 684.26 678.20 672.12 666.03 659.93 653.83 647.71 241.45	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 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00		
83.32 83.12 82.91 82.68 82.44 82.20 81.94 81.68 81.40 81.12 80.83 80.53 80.22 79.90 29.85 50.49 80.57 80.25	726.38 720.40 714.41 708.41 702.39 696.36 690.32 684.26 678.20 672.12 666.03 659.93 653.83 647.71 241.45	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00		
83.12 82.91 82.68 82.44 82.20 81.94 81.68 81.40 81.12 80.83 80.53 80.22 79.90 29.85 50.49 80.57 80.25	720.40 714.41 708.41 702.39 696.36 690.32 684.26 678.20 672.12 666.03 659.93 653.83 647.71 241.45	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 0.00 0.00 0.00 0.00 0.00		
82.91 82.68 82.44 82.20 81.94 81.68 81.40 81.12 80.83 80.53 80.22 79.90 29.85 50.49 80.57 80.25	714.41 708.41 702.39 696.36 690.32 684.26 678.20 672.12 666.03 659.93 653.83 647.71 241.45	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 0.0		
82.68 82.44 82.20 81.94 81.68 81.40 81.12 80.83 80.53 80.22 79.90 29.85 50.49 80.57 80.25	708.41 702.39 696.36 690.32 684.26 678.20 672.12 666.03 659.93 653.83 647.71 241.45	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 0.0		
82.44 82.20 81.94 81.68 81.40 81.12 80.83 80.53 80.22 79.90 29.85 50.49 80.57 80.25	702.39 696.36 690.32 684.26 678.20 672.12 666.03 659.93 653.83 647.71 241.45	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00		
82.20 81.94 81.68 81.40 81.12 80.83 80.53 80.22 79.90 29.85 50.49 80.57 80.25	696.36 690.32 684.26 678.20 672.12 666.03 659.93 653.83 647.71 241.45	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00		
81.94 81.68 81.40 81.12 80.83 80.53 80.22 79.90 29.85 50.49 80.57 80.25	690.32 684.26 678.20 672.12 666.03 659.93 653.83 647.71 241.45	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		
81.68 81.40 81.12 80.83 80.53 80.22 79.90 29.85 50.49 80.57 80.25	684.26 678.20 672.12 666.03 659.93 653.83 647.71 241.45	0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00		
81.40 81.12 80.83 80.53 80.22 79.90 29.85 50.49 80.57 80.25	678.20 672.12 666.03 659.93 653.83 647.71 241.45	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00		
81.12 80.83 80.53 80.22 79.90 29.85 50.49 80.57 80.25	672.12 666.03 659.93 653.83 647.71 241.45	0.00 0.00 0.00 0.00	0.00 0.00 0.00		
80.83 80.53 80.22 79.90 29.85 50.49 80.57 80.25	666.03 659.93 653.83 647.71 241.45	0.00 0.00 0.00	0.00 0.00		
80.53 80.22 79.90 29.85 50.49 80.57 80.25	659.93 653.83 647.71 241.45	0.00 0.00	0.00		
80.22 79.90 29.85 50.49 80.57 80.25	653.83 647.71 241.45	0.00			
79.90 29.85 50.49 80.57 80.25	647.71 241.45		0.00		
29.85 50.49 80.57 80.25	241.45		0.00		
50.49 80.57 80.25		0.00	0.00		
80.57 80.25		0.00	0.00		
80.25	929.37	0.00	0.00		
	919.09	0.00	0.00		
	4370.97	0.00	0.00		
35.06	282.55	0.00	0.00		
69.89	560.79	0.00	0.00		
69.50	555.43	0.00	0.00		
69.10	550.06	0.00	0.00		
68.69	544.69	0.00	0.00		
68.28	539.31	0.00	0.00		
67.86	533.92	0.00	0.00		
1196.46	6823.06	0.00	83.88		
62.28	422.19	0.00	0.00		
61.52	416.69	0.00	0.00		
60.75	411.18	0.00	0.00		
59.98	405.67	0.00	0.00		
1065.19	6394.71	0.00	0.00		
58.41	358.51	0.00	0.00		
57.61	352.98	0.00	0.00		
21.38	131.11	0.00	0.00		
35.84	301.84	0.00	0.00		
56.72	476.17	0.00	0.00		
28.04	235.25	0.00	0.00		
27.83	126.95	0.00	0.00		
55.08	250.62	0.00	0.00		
54.26	246.72	0.00	0.00		
53.42	242.81	0.00	0.00		
1516.96	8076.95	0.00	0.00		
26.17	102.22	0.00	0.00		
51.74	201.14	0.00	0.00		
50.88	197.22	0.00	0.00		
50.03	193.30	0.00	0.00		
49.16	189.37	0.00	0.00		
48.29	185.44	0.00	0.00		
47.42	181.50	0.00	0.00		
40.50	177.56	0.00	0.00		
46.53	173.61	0.00	0.00		
46.53 45.65	169.66	0.00	0.00		
	165.71	0.00	0.00		
	55.08 54.26 53.42 1516.96 26.17 51.74 50.88 50.03 49.16 48.29 47.42 46.53 45.65 44.75 43.86	55.08 250.62 54.26 246.72 53.42 242.81 1516.96 8076.95 26.17 102.22 51.74 201.14 50.88 197.22 50.03 193.30 49.16 189.37 48.29 185.44 47.42 181.50 46.53 177.56 45.65 173.61 44.75 169.66 43.86 165.71	55.08 250.62 0.00 54.26 246.72 0.00 53.42 242.81 0.00 1516.96 8076.95 0.00 26.17 102.22 0.00 51.74 201.14 0.00 50.88 197.22 0.00 50.03 193.30 0.00 49.16 189.37 0.00 48.29 185.44 0.00 47.42 181.50 0.00 46.53 177.56 0.00 45.65 173.61 0.00 44.75 169.66 0.00 43.86 165.71 0.00	55.08 250.62 0.00 0.00 54.26 246.72 0.00 0.00 53.42 242.81 0.00 0.00 1516.96 8076.95 0.00 0.00 26.17 102.22 0.00 0.00 51.74 201.14 0.00 0.00 50.88 197.22 0.00 0.00 50.03 193.30 0.00 0.00 49.16 189.37 0.00 0.00 48.29 185.44 0.00 0.00 47.42 181.50 0.00 0.00 46.53 177.56 0.00 0.00 45.65 173.61 0.00 0.00 44.75 169.66 0.00 0.00	55.08 250.62 0.00 0.00 54.26 246.72 0.00 0.00 53.42 242.81 0.00 0.00 1516.96 8076.95 0.00 0.00 26.17 102.22 0.00 0.00 51.74 201.14 0.00 0.00 50.88 197.22 0.00 0.00 50.03 193.30 0.00 0.00 49.16 189.37 0.00 0.00 48.29 185.44 0.00 0.00 47.42 181.50 0.00 0.00 45.65 173.61 0.00 0.00 44.75 169.66 0.00 0.00

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: II Page: 50



Gh:	1.1	Тор	ography: 1	Struct	Class: II	Page: 50	Tower Engineering Solutions
190.00		42.95	161.75	0.00	0.00		
192.00		42.04	157.79	0.00	0.00		
194.00		41.13	153.82	0.00	0.00		
195.00	(23) attachments	843.41	4517.71	0.00	0.00		
196.00	(1) attachments	30.93	98.80	0.00	0.00		
	Totals:	12,359.64	99,101.07	0.00	83.88		

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: II Page: 51



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

Dead Load Factor 1.20 Wind Load Factor 1.00



Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (Ib)
2.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.085	0.000	5.158	0.00	67.12
2.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.92	0.00	0.085	0.000	5.158	0.00	12.71
2.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.52	0.00	0.085	0.000	5.158	0.00	6.10
4.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.086	0.000	5.158	0.00	69.34
4.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.94	0.00	0.086	0.000	5.158	0.00	13.26
4.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.54	0.00	0.086	0.000	5.158	0.00	6.44
6.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.086	0.000	5.158	0.00	70.71
6.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.95	0.00	0.086	0.000	5.158	0.00	13.60
6.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.55	0.00	0.086	0.000	5.158	0.00	6.66
8.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.087	0.000	5.158	0.00	71.72
8.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.96	0.00	0.087	0.000	5.158	0.00	13.86
8.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.56	0.00	0.087	0.000	5.158	0.00	6.83
10.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.088	0.000	5.158	0.00	72.53
10.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.96	0.00	0.088	0.000	5.158	0.00	14.06
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.56	0.00	0.088	0.000	5.158	0.00	6.96
12.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.088	0.000	5.158	0.00	73.20
12.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.97	0.00	0.088	0.000	5.158	0.00	14.23
12.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.57	0.00	0.088	0.000	5.158	0.00	7.07
14.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.089	0.000	5.158	0.00	73.79
14.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.97	0.00	0.089	0.000	5.158	0.00	14.38
14.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.57	0.00	0.089	0.000	5.158	0.00	7.17
16.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.090	0.000	5.222	0.00	74.30
16.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.98	0.00	0.090	0.000	5.222	0.00	14.52
16.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.58	0.00	0.090	0.000	5.222	0.00	7.26
18.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.091	0.000	5.353	0.00	74.76
18.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.98	0.00	0.091	0.000	5.353	0.00	14.64
18.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.58	0.00	0.091	0.000	5.353	0.00	7.33
20.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.091	0.000	5.473	0.00	75.17
20.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.98	0.00	0.091	0.000	5.473	0.00	14.74
20.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.58	0.00	0.091	0.000	5.473	0.00	7.41
22.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.092	0.000	5.584	0.00	75.55
22.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.99	0.00	0.092	0.000	5.584	0.00	14.84
22.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.59	0.00	0.092	0.000	5.584	0.00	7.47
24.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.093	0.000	5.688	0.00	75.90
24.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.99	0.00	0.093	0.000	5.688	0.00	14.94
24.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.59	0.00	0.093	0.000	5.688	0.00	7.53
26.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.094	0.000	5.784	0.00	76.22
26.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.99	0.00	0.094	0.000	5.784	0.00	15.02
26.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.59	0.00	0.094	0.000	5.784	0.00	7.59
28.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.095	0.000	5.875	0.00	76.53
28.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.99	0.00	0.095	0.000	5.875	0.00	15.10
28.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.59	0.00	0.095	0.000	5.875	0.00	7.64
30.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.095	0.000	5.961	0.00	76.81
30.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.00	0.00	0.095	0.000	5.961	0.00	15.18
30.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.60	0.00	0.095	0.000	5.961	0.00	7.69
32.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.096	0.000	6.043	0.00	77.08
32.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.00	0.00	0.096	0.000	6.043	0.00	15.25

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: ||



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

Dead Load Factor 1.20 Wind Load Factor 1.00



Page: 52

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)
32.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.60	0.00	0.096	0.000	6.043	0.00	7.74
34.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.097	0.000	6.120	0.00	77.33
34.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.00	0.00	0.097	0.000	6.120	0.00	15.31
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.60	0.00	0.097	0.000	6.120	0.00	7.78
35.50	1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	0.098	0.000	6.176	0.00	58.14
35.50	1 5/8" Hybrid	Yes	1.50	0.000	4.00	0.75	0.00	0.098	0.000	6.176	0.00	11.52
35.50	1.6" Hybrid	Yes	1.50	0.000	1.60	0.45	0.00	0.098	0.000	6.176	0.00	5.86
	1 5/8" Coax	Yes	0.50	0.000	0.00	0.00	0.00	0.098	0.000	6.194	0.00	19.39
36.00	1 5/8" Hybrid	Yes	0.50	0.000	4.00	0.25	0.00	0.098	0.000	6.194	0.00	3.84
	1.6" Hybrid	Yes	0.50	0.000	1.60	0.15	0.00	0.098	0.000	6.194	0.00	1.96
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.099	0.000	6.265	0.00	77.80
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.00	0.00	0.099	0.000	6.265	0.00	15.44
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.60	0.00	0.099	0.000	6.265	0.00	7.86
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.100	0.000	6.333	0.00	78.02
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.01	0.00	0.100	0.000	6.333	0.00	15.50
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.61	0.00	0.100	0.000	6.333	0.00	7.90
	1.5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.101	1.002	6.399	0.00	78.23
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.01	0.00	0.101	1.002	6.399	0.00	15.55
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.61	0.00	0.101	1.002	6.399	0.00	7.94
	1.5 Trybhd 1.5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.101	1.002	6.430	0.00	39.17
	1 5/8" Hybrid	Yes	1.00	0.000	4.00	0.50	0.00	0.101	1.004	6.430	0.00	7.79
	1.6" Hybrid	Yes	1.00	0.000	1.60	0.30	0.00	0.101	1.004	6.430	0.00	3.98
	1.5 Hybrid 1.5/8" Coax	Yes				0.00				6.462		
			1.00	0.000	0.00		0.00	0.100	1.001		0.00	39.22
	1 5/8" Hybrid	Yes	1.00	0.000	4.00	0.50	0.00	0.100	1.001	6.462	0.00	7.80
	1.6" Hybrid	Yes	1.00	0.000	1.60	0.30	0.00	0.100	1.001	6.462	0.00	3.99
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.101	1.003	6.522	0.00	78.62
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.01	0.00	0.101	1.003	6.522	0.00	15.66
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.61	0.00	0.101	1.003	6.522	0.00	8.01
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.102	1.006	6.581	0.00	78.81
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.01	0.00	0.102	1.006	6.581	0.00	15.71
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.61	0.00	0.102	1.006	6.581	0.00	8.04
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.103	1.009	6.638	0.00	78.99
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.01	0.00	0.103	1.009	6.638	0.00	15.76
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.61	0.00	0.103	1.009	6.638	0.00	8.08
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.104	1.012	6.693	0.00	79.16
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.02	0.00	0.104	1.012	6.693	0.00	15.80
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.62	0.00	0.104	1.012	6.693	0.00	8.11
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.105	1.015	6.746	0.00	79.33
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.02	0.00	0.105	1.015	6.746	0.00	15.85
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.62	0.00	0.105	1.015	6.746	0.00	8.14
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.106	1.018	6.798	0.00	79.49
56.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.02	0.00	0.106	1.018	6.798	0.00	15.89
56.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.62	0.00	0.106	1.018	6.798	0.00	8.17
58.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.107	1.021	6.849	0.00	79.64
58.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.02	0.00	0.107	1.021	6.849	0.00	15.93
58.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.62	0.00	0.107	1.021	6.849	0.00	8.20
60.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.108	1.024	6.898	0.00	79.80

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: II Page: 53



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

Dead Load Factor 1.20 Wind Load Factor 1.00



Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
60.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.02	0.00	0.108	1.024	6.898	0.00	15.97
60.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.62	0.00	0.108	1.024	6.898	0.00	8.22
62.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.109	1.027	6.945	0.00	79.94
62.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.02	0.00	0.109	1.027	6.945	0.00	16.01
62.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.62	0.00	0.109	1.027	6.945	0.00	8.25
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.110	1.031	6.992	0.00	80.08
64.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.02	0.00	0.110	1.031	6.992	0.00	16.05
64.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.62	0.00	0.110	1.031	6.992	0.00	8.28
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.111	1.034	7.037	0.00	80.22
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.02	0.00	0.111	1.034	7.037	0.00	16.09
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.62	0.00	0.111	1.034	7.037	0.00	8.30
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.113	1.038	7.082	0.00	80.36
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.02	0.00	0.113	1.038	7.082	0.00	16.13
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.62	0.00	0.113	1.038	7.082	0.00	8.33
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.114	1.041	7.125	0.00	80.49
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.03	0.00	0.114	1.041	7.125	0.00	16.16
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.63	0.00	0.114	1.041	7.125	0.00	8.35
	1.5 Tryblid 1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.115	1.041	7.123	0.00	80.62
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.03	0.00	0.115	1.045	7.168	0.00	16.20
	1.6" Hybrid			0.000	1.60	0.63	0.00	0.115	1.045		0.00	8.37
	•	Yes	2.00 2.00		0.00					7.168		
	1 5/8" Coax	Yes		0.000		0.00	0.00	0.116	1.049	7.209	0.00	80.74
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.03	0.00	0.116	1.049	7.209	0.00	16.23
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.63	0.00	0.116	1.049	7.209	0.00	8.40
	1 5/8" Coax	Yes	0.50	0.000	0.00	0.00	0.00	0.117	1.051	7.219	0.00	20.19
	1 5/8" Hybrid	Yes	0.50	0.000	4.00	0.26	0.00	0.117	1.051	7.219	0.00	4.06
	1.6" Hybrid	Yes	0.50	0.000	1.60	0.16	0.00	0.117	1.051	7.219	0.00	2.10
	1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	0.118	1.053	7.250	0.00	60.65
	1 5/8" Hybrid	Yes	1.50	0.000	4.00	0.77	0.00	0.118	1.053	7.250	0.00	12.20
	1.6" Hybrid	Yes	1.50	0.000	1.60	0.47	0.00	0.118	1.053	7.250	0.00	6.31
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.119	1.056	7.289	0.00	80.99
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.03	0.00	0.119	1.056	7.289	0.00	16.30
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.63	0.00	0.119	1.056	7.289	0.00	8.44
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.120	1.060	7.328	0.00	81.10
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.03	0.00	0.120	1.060	7.328	0.00	16.33
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.63	0.00	0.120	1.060	7.328	0.00	8.46
81.00	1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.121	1.063	7.347	0.00	40.58
81.00	1 5/8" Hybrid	Yes	1.00	0.000	4.00	0.52	0.00	0.121	1.063	7.347	0.00	8.17
81.00	1.6" Hybrid	Yes	1.00	0.000	1.60	0.32	0.00	0.121	1.063	7.347	0.00	4.24
82.00	1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.120	1.059	7.366	0.00	40.61
82.00	1 5/8" Hybrid	Yes	1.00	0.000	4.00	0.52	0.00	0.120	1.059	7.366	0.00	8.18
82.00	1.6" Hybrid	Yes	1.00	0.000	1.60	0.32	0.00	0.120	1.059	7.366	0.00	4.24
84.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.121	1.062	7.404	0.00	81.33
84.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.03	0.00	0.121	1.062	7.404	0.00	16.39
84.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.63	0.00	0.121	1.062	7.404	0.00	8.51
86.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.122	1.067	7.441	0.00	81.44
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.03	0.00	0.122	1.067	7.441	0.00	16.42
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.63	0.00	0.122	1.067	7.441	0.00	8.53

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: II Page: 54



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

Dead Load Factor 1.20 Wind Load Factor 1.00



Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
88.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.124	1.071	7.477	0.00	81.55
88.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.03	0.00	0.124	1.071	7.477	0.00	16.45
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.63	0.00	0.124	1.071	7.477	0.00	8.55
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.125	1.075	7.512	0.00	81.65
90.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.04	0.00	0.125	1.075	7.512	0.00	16.48
90.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.64	0.00	0.125	1.075	7.512	0.00	8.57
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.126	1.079	7.547	0.00	81.75
92.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.04	0.00	0.126	1.079	7.547	0.00	16.51
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.64	0.00	0.126	1.079	7.547	0.00	8.58
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.128	1.084	7.581	0.00	81.86
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.04	0.00	0.128	1.084	7.581	0.00	16.54
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.64	0.00	0.128	1.084	7.581	0.00	8.60
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.130	1.089	7.615	0.00	81.95
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.04	0.00	0.130	1.089	7.615	0.00	16.56
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.64	0.00	0.130	1.089	7.615	0.00	8.62
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.131	1.093	7.648	0.00	82.05
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.04	0.00	0.131	1.093	7.648	0.00	16.59
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.64	0.00	0.131	1.093	7.648	0.00	8.64
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.133	1.098	7.681	0.00	82.15
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.04	0.00	0.133	1.098	7.681	0.00	16.62
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.64	0.00	0.133	1.098	7.681	0.00	8.66
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.134	1.103	7.713	0.00	82.24
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.04	0.00	0.134	1.103	7.713	0.00	16.64
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.64	0.00	0.134	1.103	7.713	0.00	8.68
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.136	1.108	7.744	0.00	82.33
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.04	0.00	0.136	1.108	7.744	0.00	16.67
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.64	0.00	0.136	1.108	7.744	0.00	8.69
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.138	1.113	7.776	0.00	82.42
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.04	0.00	0.138	1.113	7.776	0.00	16.69
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.64	0.00	0.138	1.113	7.776	0.00	8.71
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.140	1.119	7.806	0.00	82.51
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.04	0.00	0.140	1.119	7.806	0.00	16.72
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.64	0.00	0.140	1.119	7.806	0.00	8.73
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.141	1.124	7.836	0.00	82.60
110.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.04	0.00	0.141	1.124	7.836	0.00	16.74
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.64	0.00	0.141	1.124	7.836	0.00	8.74
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.143	1.130	7.866	0.00	82.69
	1 5/8" Hvbrid	Yes	2.00	0.000	4.00	1.04	0.00	0.143	1.130	7.866	0.00	16.77
112.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.64	0.00	0.143	1.130	7.866	0.00	8.76
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.145	1.136	7.896	0.00	82.77
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.04	0.00	0.145	1.136	7.896	0.00	16.79
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.64	0.00	0.145	1.136	7.896	0.00	8.78
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.147	1.142	7.925	0.00	82.86
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.04	0.00	0.147	1.142	7.925	0.00	16.81
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.64	0.00	0.147	1.142	7.925	0.00	8.79
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.149	1.148	7.953	0.00	82.94
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.05	0.00	0.149	1.148	7.953	0.00	16.84

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: ||



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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Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.65	0.00	0.149	1.148	7.953	0.00	8.81
	1 5/8" Coax	Yes	0.75	0.000	0.00	0.00	0.00	0.151	1.152	7.964	0.00	31.11
118.75	1 5/8" Hybrid	Yes	0.75	0.000	4.00	0.39	0.00	0.151	1.152	7.964	0.00	6.32
	1.6" Hybrid	Yes	0.75	0.000	1.60	0.24	0.00	0.151	1.152	7.964	0.00	3.30
120.00	1 5/8" Coax	Yes	1.25	0.000	0.00	0.00	0.00	0.152	1.155	7.981	0.00	51.89
120.00	1 5/8" Hybrid	Yes	1.25	0.000	4.00	0.65	0.00	0.152	1.155	7.981	0.00	10.54
120.00	1.6" Hybrid	Yes	1.25	0.000	1.60	0.40	0.00	0.152	1.155	7.981	0.00	5.51
122.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.154	1.161	8.009	0.00	83.10
122.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.05	0.00	0.154	1.161	8.009	0.00	16.88
122.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.65	0.00	0.154	1.161	8.009	0.00	8.84
124.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.156	1.167	8.037	0.00	83.18
124.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.05	0.00	0.156	1.167	8.037	0.00	16.90
124.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.65	0.00	0.156	1.167	8.037	0.00	8.85
125.00	1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.155	1.164	8.050	0.00	41.61
125.00	1 5/8" Hybrid	Yes	1.00	0.000	4.00	0.52	0.00	0.155	1.164	8.050	0.00	8.46
125.00	1.6" Hybrid	Yes	1.00	0.000	1.60	0.32	0.00	0.155	1.164	8.050	0.00	4.43
126.00	1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.111	1.034	8.064	0.00	41.63
126.00	1 5/8" Hybrid	Yes	1.00	0.000	4.00	0.52	0.00	0.111	1.034	8.064	0.00	8.46
128.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.112	1.037	8.090	0.00	83.33
128.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.05	0.00	0.112	1.037	8.090	0.00	16.95
130.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.114	1.042	8.117	0.00	83.41
130.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.05	0.00	0.114	1.042	8.117	0.00	16.97
132.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.116	1.048	8.143	0.00	83.48
132.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.05	0.00	0.116	1.048	8.143	0.00	16.99
134.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.118	1.053	8.169	0.00	83.56
134.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.05	0.00	0.118	1.053	8.169	0.00	17.01
136.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.119	1.058	8.194	0.00	83.63
136.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.05	0.00	0.119	1.058	8.194	0.00	17.03
138.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.121	1.064	8.220	0.00	83.70
138.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.05	0.00	0.121	1.064	8.220	0.00	17.05
140.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.123	1.070	8.245	0.00	83.77
140.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	1.05	0.00	0.123	1.070	8.245	0.00	17.07
									To	tals:	0.0	7,184.7

Structure: CT00595-S-SBA **Code:** TIA-222-H 3/18/2022

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: II Page: 56



Iterations

30

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

Dead Load Factor 1.20 Wind Load Factor 1.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-99.10	-12.37	0.00	-1583.3	0.00	1583.36	5795.46	1682.91	8909.80	7510.36	0.00	0.000	0.000	0.228
2.00	-98.03	-12.33	0.00	-1558.6	0.00	1558.62	5776.44	1669.60	8769.44	7426.09	0.00	-0.018	0.000	0.227
4.00	-96.95	-12.28	0.00	-1533.9	0.00	1533.96	5757.00	1656.30	8630.20	7341.68	0.02	-0.036	0.000	0.226
6.00	-95.87	-12.24	0.00	-1509.3	0.00	1509.39	5737.14	1642.99	8492.07	7257.12	0.03	-0.055	0.000	0.225
8.00	-94.80	-12.19	0.00	-1484.9	0.00	1484.92	5716.84	1629.68	8355.05	7172.43	0.06	-0.073	0.000	0.224
10.00	-93.73	-12.15	0.00	-1460.5	0.00	1460.54	5696.12	1616.37	8219.15	7087.63	0.10	-0.092	0.000	0.223
12.00	-92.66	-12.10	0.00	-1436.2	0.00	1436.24	5674.97	1603.06	8084.36	7002.73	0.14	-0.111	0.000	0.221
14.00	-91.59	-12.06	0.00	-1412.0	0.00	1412.04	5653.40	1589.76	7950.69	6917.75	0.19	-0.130	0.000	0.220
16.00	-90.53	-12.01	0.00	-1387.9	0.00	1387.93	5631.39	1576.45	7818.13	6832.69	0.25	-0.149	0.000	0.219
18.00	-89.48	-11.96	0.00	-1363.9	0.00	1363.91	5608.96	1563.14	7686.69	6747.57	0.32	-0.168	0.000	0.218
20.00	-88.43	-11.91	0.00	-1339.9	0.00	1339.99	5586.10	1549.83	7556.36	6662.41	0.39	-0.188	0.000	0.217
22.00	-87.38	-11.86	0.00	-1316.1	0.00	1316.16	5562.81	1536.52	7427.15	6577.21	0.47	-0.207	0.000	0.216
24.00	-86.35	-11.81	0.00	-1292.4	0.00	1292.44	5539.10	1523.21	7299.05	6491.99	0.56	-0.227	0.000	0.215
26.00	-85.31	-11.76	0.00	-1268.8	0.00	1268.82	5514.96	1509.91	7172.06	6406.77	0.66	-0.247	0.000	0.214
28.00	-84.29	-11.70	0.00	-1245.3	0.00	1245.30	5490.39	1496.60	7046.19	6321.55	0.77	-0.267	0.000	0.212
30.00	-83.25	-11.64	0.00	-1221.8	0.00	1221.89	5465.39	1483.29	6921.43	6236.35	0.89	-0.287	0.000	0.211
32.00	-82.23	-11.58	0.00	-1198.6	0.00	1198.62	5439.96	1469.98	6797.79	6151.18	1.01	-0.307	0.000	0.210
34.00	-81.22	-11.52	0.00	-1175.4	0.00	1175.45	5414.11	1456.67	6675.26	6066.06	1.15	-0.328	0.000	0.209
35.50	-80.47	-11.47	0.00	-1158.1	0.00	1158.17	5394.44	1446.69	6584.09	6002.26	1.25	-0.343	0.000	0.208
36.00	-80.06	-11.47	0.00	-1152.4	0.00	1152.43	5387.83	1443.36	6553.84	5981.00	1.29	-0.349	0.000	0.208
38.00	-78.43	-11.40	0.00	-1129.5	0.00	1129.50	5361.12	1430.06	6433.54	5896.01	1.44	-0.370	0.000	0.206
40.00	-76.81	-11.34	0.00	-1106.6	0.00	1106.69	5333.99	1416.75	6314.36	5811.11	1.60	-0.391	0.000	0.205
42.00	-75.20	-11.27	0.00	-1084.0	0.00	1084.01	5306.43	1403.44	6196.29	5726.30	1.77	-0.412	0.000	0.204
43.00	-74.40	-11.23	0.00	-1072.7	0.00	1072.74	4823.70	1326.07	5927.09	5273.35	1.85	-0.422	0.000	0.219
44.00	-73.93	-11.21	0.00	-1061.5	0.00	1061.51	4812.47	1319.86	5871.70	5236.23	1.94	-0.433	0.000	0.218
46.00	-72.99	-11.15	0.00	-1039.0	0.00	1039.09	4789.68	1307.44	5761.71	5161.99	2.13	-0.455	0.000	0.217
48.00	-72.06	-11.08	0.00	-1016.8	0.00	1016.80	4766.46	1295.02	5652.75	5087.77	2.32	-0.477	0.000	0.215
50.00	-71.13	-11.02	0.00	-994.63	0.00	994.63	4742.82	1282.60	5544.84	5013.57	2.53	-0.499	0.000	0.213
52.00	-70.21	-10.96	0.00	-972.59	0.00	972.59	4718.75	1270.18	5437.96	4939.41	2.74	-0.521	0.000	0.212
54.00	-69.30	-10.89	0.00	-950.67	0.00	950.67	4694.25	1257.76	5332.12	4865.31	2.97	-0.544	0.000	0.210
56.00	-68.39	-10.83	0.00	-928.89	0.00	928.89	4669.32	1245.33	5227.33	4791.28	3.20	-0.566	0.000	0.209
58.00	-67.49	-10.76	0.00	-907.24	0.00	907.24	4643.97	1232.91	5123.57	4717.32	3.44	-0.589	0.000	0.207
60.00	-66.60	-10.69	0.00	-885.71	0.00	885.71	4618.19	1220.49	5020.86	4643.46	3.69	-0.612	0.000	0.205
62.00	-65.71	-10.63	0.00	-864.33	0.00	864.33	4591.98	1208.07	4919.18	4569.71	3.96	-0.635	0.000	0.204
64.00	-64.83	-10.56	0.00	-843.07	0.00	843.07	4565.34	1195.65	4818.55	4496.07	4.23	-0.658	0.000	0.202
66.00	-63.95	-10.49	0.00	-821.95	0.00	821.95	4538.28	1183.23	4718.95	4422.57	4.51	-0.682	0.000	0.200
68.00	-63.08	-10.42	0.00	-800.97	0.00	800.97	4510.78	1170.81	4620.40	4349.22	4.80	-0.705	0.000	0.198
70.00	-62.22		0.00	-780.12	0.00	780.12	4482.87		4522.88	4276.03	5.10	-0.728	0.000	0.196
72.00	-61.37			-759.41	0.00	759.41			4426.41		5.41		0.000	0.195
74.00	-60.52			-738.84	0.00	738.84	4425.74		4330.97		5.73		0.000	0.193
74.50	-60.31			-733.74	0.00	733.74	4418.48		4307.27	4111.99	5.81	-0.782	0.000	0.192
76.00	-59.33			-718.45	0.00	718.45	4396.54		4236.58	4057.54	6.06		0.000	0.191
78.00	-58.04	-10.06		-698.17	0.00	698.17	4366.91		4143.22	3985.11	6.40		0.000	0.189
80.00	-56.77	-9.98		-678.05	0.00	678.05	4336.86	1096.28		3912.92	6.75		0.000	0.186
81.00	-56.13	-9.94		-668.08	0.00	668.08	3502.12	951.57			6.93		0.000	0.100
82.00	-55.75	-9.91		-658.14	0.00	658.14	3492.03	946.24			7.11		0.000	0.223
84.00	-55.00	-9.84		-638.33	0.00	638.33	3471.52		3442.15		7.48		0.000	0.220
86.00	-54.25	-9.77		-618.65	0.00	618.65	3450.59		3364.26		7.40		0.000	0.220
00.00	-54.25	-3.11	0.00	-010.00	0.00	010.03	J-JU.J3	324.33	3304.20	5000.50	1.01	-0.321	0.000	0.217

Structure: CT00595-S-SBA Code: TIA-222-H

С Site Name: Stonington East Exposure: Height: 196.00 (ft) Crest Height: 0.00

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



Base	Elev:	0.000 (11)			•	oite Class:	D -	Still Soil					
Gh:		1.1		Тор	ography:	1 8	Struct Clas	s: II			Pa	ge: 57	Tower Engineer	ing Solutions
88.00	-53.51	-9.70	0.00	-599.12	0.00	599.12	3429.23	914.30	3287.26	3013.99	8.26	-0.954	0.000	0.214
90.00	-52.78	-9.63	0.00	-579.73	0.00	579.73	3407.44	903.66	3211.15	2959.67	8.66	-0.981	0.000	0.211
92.00	-52.05	-9.55	0.00	-560.47	0.00	560.47	3385.23	893.01	3135.93	2905.43	9.08	-1.008	0.000	0.208
94.00	-51.32	-9.48	0.00	-541.37	0.00	541.37	3362.58	882.36	3061.60	2851.28	9.51	-1.035	0.000	0.205
96.00	-50.61	-9.41	0.00	-522.40	0.00	522.40	3339.51	871.72	2988.16	2797.25	9.95	-1.062	0.000	0.202
98.00	-49.89	-9.34	0.00	-503.58	0.00	503.58	3316.01	861.07	2915.61	2743.33	10.40	-1.089	0.000	0.199
100.00	-49.19	-9.27	0.00	-484.90	0.00	484.90	3292.09	850.42	2843.96	2689.56	10.86	-1.117	0.000	0.195
102.00	-48.49	-9.19	0.00	-466.37	0.00	466.37	3267.73	839.78	2773.20	2635.93	11.34	-1.144	0.000	0.192
104.00	-47.80	-9.12	0.00	-447.98	0.00	447.98	3242.95	829.13	2703.33	2582.46	11.82	-1.171	0.000	0.188
106.00	-47.11	-9.05	0.00	-429.74	0.00	429.74	3217.75	818.48	2634.35	2529.17	12.32	-1.198	0.000	0.185
108.00	-46.43	-8.97	0.00	-411.65	0.00	411.65	3192.11	807.84	2566.26	2476.07	12.83	-1.225	0.000	0.181
110.00	-45.76	-8.90	0.00	-393.71	0.00	393.71	3166.05	797.19	2499.06	2423.18	13.34	-1.252	0.000	0.177
112.00	-45.09		0.00	-375.91	0.00	375.91	3139.56	786.54	2432.76	2370.49	13.34	-1.278	0.000	0.177
		-8.82							2367.34					
114.00	-44.43	-8.75	0.00	-358.27	0.00	358.27	3112.64	775.90		2318.04	14.42	-1.305	0.000	0.169
116.00	-43.77	-8.67	0.00	-340.77	0.00	340.77	3085.29	765.25	2302.82	2265.83	14.97	-1.331	0.000	0.165
118.00	-43.12	-8.59	0.00	-323.42	0.00	323.42	3057.52	754.60	2239.19	2213.87	15.53	-1.357	0.000	0.160
118.75	-42.88	-8.57	0.00	-316.98	0.00	316.98	3046.99	750.61	2215.56	2194.45	15.75	-1.367	0.000	0.159
120.00	-42.29	-8.52	0.00	-306.27	0.00	306.27	3029.32	743.96	2176.45	2162.18	16.11	-1.383	0.000	0.156
122.00	-41.36	-8.43	0.00	-289.24	0.00	289.24	3000.69	733.31	2114.60	2110.77	16.69	-1.409	0.000	0.151
124.00	-40.44	-8.34	0.00	-272.37	0.00	272.37	2338.57	614.36	1781.07	1656.86	17.29	-1.434	0.000	0.182
125.00	-36.09	-7.34	0.00	-264.03	0.00	264.03	2329.03	609.92	1755.44	1638.08	17.59	-1.446	0.000	0.177
126.00	-35.81	-7.31	0.00	-256.69	0.00	256.69	2319.39	605.49	1730.00	1619.32	17.89	-1.460	0.000	0.174
128.00	-35.25	-7.25	0.00	-242.07	0.00	242.07	2299.78	596.62	1679.67	1581.89	18.51	-1.488	0.000	0.168
130.00	-34.69	-7.18	0.00	-227.58	0.00	227.58	2279.74	587.74	1630.09	1544.58	19.14	-1.515	0.000	0.163
132.00	-34.14	-7.11	0.00	-213.22	0.00	213.22	2259.27	578.87	1581.25	1507.39	19.78	-1.541	0.000	0.157
134.00	-33.59	-7.04	0.00	-199.00	0.00	199.00	2238.38	570.00	1533.15	1470.34	20.43	-1.567	0.000	0.151
136.00	-33.05	-6.97	0.00	-184.92	0.00	184.92	2217.06	561.13	1485.79	1433.45	21.09	-1.592	0.000	0.144
138.00	-32.52	-6.90	0.00	-170.98	0.00	170.98	2195.31	552.25	1439.18	1396.73	21.77	-1.617	0.000	0.137
140.00	-25.73	-5.52	0.00	-157.09	0.00	157.09	2173.13	543.38	1393.31	1360.19	22.45	-1.641	0.000	0.127
142.00	-25.31	-5.46	0.00	-146.04	0.00	146.04	2150.53	534.51	1348.18	1323.84	23.14	-1.664	0.000	0.122
144.00	-24.89	-5.40	0.00	-135.12	0.00	135.12	2127.50	525.64	1303.79	1287.70	23.84	-1.686	0.000	0.117
146.00	-24.48	-5.33	0.00	-124.33	0.00	124.33	2104.04	516.77	1260.15	1251.78	24.55	-1.708	0.000	0.111
148.00	-24.07	-5.27	0.00	-113.67	0.00	113.67	2080.15	507.89	1217.25	1216.10	25.27	-1.729	0.000	0.105
150.00	-17.71	-4.02	0.00	-103.13	0.00	103.13	2055.84	499.02	1175.10	1180.67	26.00	-1.749	0.000	0.096
152.00	-17.35	-3.95	0.00	-95.10	0.00	95.10	2031.10	490.15	1133.68	1145.49	26.74	-1.769	0.000	0.092
154.00	-17.00	-3.89	0.00	-87.20	0.00	87.20	2005.93	481.28	1093.01	1110.59	27.48	-1.787	0.000	0.087
154.75	-16.87	-3.86	0.00	-84.29	0.00	84.29	1996.38	477.95	1077.95	1097.58	27.77	-1.795	0.000	0.085
156.00	-16.57	-3.82	0.00	-79.46	0.00	79.46	1980.33	472.40	1053.09	1075.98	28.24	-1.806	0.000	0.082
158.00	-16.09	-3.76	0.00	-71.81	0.00	71.81	1946.84	463.53	1013.90	1037.68	29.00	-1.823	0.000	0.078
159.00	-15.86	-3.72	0.00	-68.05	0.00	68.05	942.51	280.76	619.93	509.56	29.38	-1.832	0.000	0.151
160.00	-15.73	-3.69	0.00	-64.33	0.00	64.33	939.15	278.09	608.23	502.90	29.76	-1.840	0.000	0.145
162.00	-15.48	-3.64	0.00	-56.94	0.00	56.94	932.13	272.77	585.17	489.52	30.54	-1.865	0.000	0.133
164.00	-15.24	-3.58	0.00	-49.67	0.00	49.67	924.68	267.45	562.55	476.06	31.33	-1.888	0.000	0.121
166.00	-14.99	-3.52	0.00	-42.50	0.00	42.50	916.80	262.12	540.38	462.54	32.12	-1.909	0.000	0.121
167.00	-6.97	-1.74	0.00	-38.98	0.00	38.98	912.70	259.46	529.46	455.76	32.52	-1.919	0.000	0.093
168.00	-6.87	-1.71	0.00	-37.24	0.00	37.24	908.49	256.80	518.65	448.97	32.93	-1.929	0.000	0.091
170.00	-6.67	-1.66	0.00	-33.82	0.00	33.82	899.76	251.48	497.37	435.36	33.74	-1.947	0.000	0.085
172.00	-6.47	-1.60	0.00	-30.51	0.00	30.51	890.60	246.15	476.54	421.74	34.56	-1.965	0.000	0.080
174.00	-6.28	-1.54	0.00	-27.31	0.00	27.31	881.01	240.83	456.15	408.10	35.39	-1.982	0.000	0.074
176.00	-6.09	-1.49	0.00	-24.22	0.00	24.22	870.99	235.51	436.21	394.47	36.22	-1.998	0.000	0.068
178.00	-5.91	-1.44	0.00	-21.24	0.00	21.24	860.55	230.18	416.71	380.86	37.06	-2.014	0.000	0.063
180.00	-5.73	-1.39	0.00	-18.36	0.00	18.36	849.68	224.86	397.66	367.28	37.91	-2.028	0.000	0.057
182.00	-5.55	-1.33	0.00	-15.59	0.00	15.59	838.38	219.54	379.06	353.74	38.76	-2.041	0.000	0.051
184.00	-5.38	-1.28	0.00	-12.92	0.00	12.92	826.65	214.21	360.90	340.26	39.62	-2.053	0.000	0.045
186.00	-5.21	-1.23	0.00	-10.36	0.00	10.36	814.50	208.89	343.18	326.85	40.48	-2.063	0.000	0.038
188.00	-5.05	-1.18	0.00	-7.89	0.00	7.89	801.91	203.57	325.91	313.52	41.34	-2.072	0.000	0.032
190.00	-4.89	-1.14	0.00	-5.52	0.00	5.52	788.90	198.24	309.09	300.29	42.21	-2.079	0.000	0.025

Structure: CT00595-S-SBA **Code:** TIA-222-H 3/18/2022

0.00

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

196.00

0.00

-0.03

0.00

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

0.00

0.00

Gh: Topography: 1 Struct Class: || Page: 58 1.1 192.00 -4.73-1.090.00 -3.250.00 3.25 775.47 192.92 292.71 287.17 43.08 -2.084 0.000 0.017 0.00 43.96 194.00 -4.58 -1.04 0.00 -1.08 1.08 761.60 187.60 276.78 274.17 -2.087 0.000 0.010 195.00 -0.03 0.00 -0.03 0.00 0.03 754.51 268.98 267.73 44.40 -2.087 0.000 0.000 -0.10 184.94

747.31

182.27

261.31

261.30

44.83

-2.087

0.000

0.000

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: II Page: 59



Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00 Wind Load Factor 1.00



Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	lce Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (Ib)	Tot Dead Load (lb)
0.00		1.00	0.85	6.646	7.31	305.15	0.950	0.000	0.00	0.000	0.00	0.0	0.0	0.0
2.00		1.00	0.85	6.646	7.31	302.76	0.950	0.000	2.00	11.000	10.45	76.4	0.0	650.0
4.00		1.00	0.85	6.646	7.31	300.36	0.950	0.000	2.00	10.913	10.37	75.8	0.0	644.9
6.00		1.00	0.85	6.646	7.31	297.96	0.950	0.000	2.00	10.826	10.28	75.2	0.0	639.7
8.00		1.00	0.85	6.646	7.31	295.57	0.950	0.000	2.00	10.740	10.20	74.6	0.0	634.5
10.00		1.00	0.85	6.646	7.31	293.17	0.950	0.000	2.00	10.653	10.12	74.0	0.0	629.4
12.00		1.00	0.85	6.646	7.31	290.78	0.950	0.000	2.00	10.566	10.04	73.4	0.0	624.2
14.00		1.00	0.85	6.646	7.31	288.38	0.950	0.000	2.00	10.479	9.96	72.8	0.0	619.1
16.00		1.00	0.86	6.728	7.40	287.75	0.950	0.000	2.00	10.393	9.87	73.1	0.0	613.9
18.00		1.00	0.88	6.897	7.59	288.90	0.950	0.000	2.00	10.306	9.79	74.3	0.0	608.7
20.00		1.00	0.90	7.052	7.76	289.65	0.950	0.000	2.00	10.219	9.71	75.3	0.0	603.6
22.00		1.00	0.92	7.195	7.91	290.08	0.950	0.000		10.133	9.63	76.2	0.0	598.4
24.00		1.00	0.94	7.328	8.06	290.23	0.950	0.000		10.046	9.54	76.9	0.0	593.3
26.00		1.00	0.95	7.452	8.20	290.15	0.950	0.000	2.00	9.959	9.46	77.6	0.0	588.1
28.00		1.00	0.97	7.570	8.33	289.87	0.950	0.000	2.00	9.873	9.38	78.1	0.0	582.9
	urtenance(s)	1.00	0.98	7.680	8.45	289.41	0.950	0.000	2.00	9.786	9.30	78.5	0.0	577.8
32.00		1.00	1.00	7.785	8.56	288.79	0.950	0.000	2.00	9.699	9.21	78.9	0.0	572.6
34.00		1.00	1.01	7.885	8.67	288.03	0.950	0.000	2.00	9.613	9.13	79.2	0.0	567.5
	- Section 2	1.00	1.02	7.957	8.75	287.37	0.950	0.000	1.50	7.153	6.79	59.5	0.0	422.2
36.00	COOLIGIT 2	1.00	1.02	7.981	8.78	287.14	0.950	0.000	0.50	2.411	2.29	20.1	0.0	273.0
38.00		1.00	1.03	8.072	8.88	286.14	0.950	0.000	2.00	9.590	9.11	80.9	0.0	1085.8
40.00		1.00	1.04	8.160	8.98	285.03	0.950	0.000	2.00	9.504	9.03	81.0	0.0	1075.8
42.00		1.00	1.05	8.244	9.07	283.83		0.000	2.00	9.417	8.97	81.3	0.0	1065.8
	- Section 1	1.00	1.06	8.285	9.11	283.20		0.000	1.00	4.676	4.46	40.7	0.0	529.2
44.00	- Occilon 1	1.00	1.06	8.325	9.16	287.21			1.00	4.654	4.43	40.5	0.0	256.5
46.00		1.00	1.07	8.404	9.24	285.87			2.00	9.243	8.81	81.4	0.0	509.4
48.00		1.00	1.08	8.479	9.33	284.45			2.00	9.157	8.75	81.6	0.0	504.6
50.00		1.00	1.00	8.552	9.41	282.95			2.00	9.070	8.69	81.8	0.0	499.8
52.00		1.00	1.10	8.623	9.49	281.40		0.000	2.00	8.983	8.63	81.9	0.0	495.0
54.00		1.00	1.11	8.692	9.56	279.78			2.00	8.897	8.58	82.0	0.0	490.1
56.00		1.00	1.12	8.759	9.63	278.10		0.000	2.00	8.810	8.52	82.1	0.0	485.3
58.00		1.00	1.12	8.824	9.71	276.10			2.00	8.723	8.46	82.1	0.0	480.5
60.00		1.00	1.13	8.887	9.78	274.59		0.000	2.00	8.637	8.40	82.1	0.0	475.7
				8.949	9.76	272.76		0.000	2.00	8.550	8.35	82.2	0.0	475.7
62.00		1.00	1.14			270.88								
64.00		1.00	1.15	9.009	9.91	268.96			2.00	8.463	8.29	82.1	0.0	466.1
66.00		1.00	1.16	9.067	9.97			0.000	2.00	8.377	8.23	82.1	0.0	461.2
68.00		1.00	1.17	9.124	10.04	267.00		0.000	2.00	8.290	8.17	82.0	0.0	456.4
70.00		1.00	1.17	9.180	10.10	265.00		0.000	2.00		8.12	81.9	0.0	451.6
72.00		1.00	1.18	9.235	10.16	262.97			2.00	8.117	8.06	81.9	0.0	446.8
74.00	Continu 2	1.00	1.19	9.288	10.22	260.89			2.00		8.00	81.7	0.0	442.0
	- Section 3	1.00	1.19	9.301	10.23	260.37			0.50	1.994	1.99	20.4	0.0	109.7
76.00		1.00	1.19	9.340	10.27	258.79			1.50		6.05	62.1	0.0	613.1
78.00		1.00	1.20	9.392	10.33	256.65			2.00		8.01	82.8	0.0	809.6
80.00	0 " 0	1.00	1.21	9.442	10.39	254.48			2.00		7.96	82.6	0.0	800.7
	- Section 2	1.00	1.21	9.467	10.41	253.38			1.00		3.96	41.2	0.0	397.0
82.00		1.00	1.21	9.491	10.44	256.55			1.00		3.92	40.9	0.0	184.0
84.00		1.00	1.22	9.539	10.49	254.33	1.009 *	0.000	2.00	7.726	7.80	81.8	0.0	364.9

3/18/2022 Structure: CT00595-S-SBA Code: TIA-222-H

Site Name: Stonington East С Exposure: 196.00 (ft) Height: Crest Height: 0.00

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



Gh: 1.1		Topography	: 1	Struct C	ass: II				Page: 60	Tower E	ngineering Solutions
86.00	1.00	1.23 9.587	10.55	252.09 1.013 *	0.000	2.00	7.639	7.74	81.6	0.0	360.7
88.00	1.00	1.23 9.633	10.60	249.81 1.017 *	0.000	2.00	7.552	7.68	81.4	0.0	356.6
90.00	1.00	1.24 9.679	10.65	247.51 1.021 *	0.000	2.00	7.466	7.62	81.2	0.0	352.5
92.00	1.00	1.24 9.724	10.70	245.19 1.025 *		2.00	7.379	7.57	80.9	0.0	348.4
94.00	1.00	1.25 9.768	10.74	242.84 1.030 *	0.000	2.00	7.292	7.51	80.7	0.0	344.2
96.00	1.00	1.25 9.811	10.79	240.47 1.034 *	0.000	2.00	7.206	7.45	80.4	0.0	340.1
98.00	1.00	1.26 9.854	10.84	238.08 1.039 *		2.00	7.119	7.39	80.1	0.0	336.0
100.00	1.00	1.27 9.896	10.89	235.66 1.043 *		2.00	7.032	7.34	79.9	0.0	331.8
102.00	1.00	1.27 9.937	10.93	233.22 1.048 *		2.00	6.946	7.28	79.6	0.0	327.7
104.00	1.00	1.28 9.978	10.98	230.76 1.053 *		2.00	6.859	7.22	79.3	0.0	323.6
106.00	1.00	1.28 10.018	11.02	228.29 1.058 *		2.00	6.772	7.16	78.9	0.0	319.5
108.00	1.00	1.29 10.058	11.06	225.79 1.063 *		2.00	6.686	7.11	78.6	0.0	315.3
110.00	1.00	1.29 10.097	11.11	223.27 1.068 *		2.00	6.599	7.05	78.3	0.0	311.2
112.00	1.00	1.30 10.135	11.15	220.74 1.073 *		2.00	6.512	6.99	77.9	0.0	307.1
114.00	1.00	1.30 10.173	11.19	218.19 1.079 *		2.00	6.426	6.93	77.6	0.0	302.9
116.00	1.00	1.31 10.210	11.23	215.62 1.085 *		2.00	6.339	6.88	77.2	0.0	298.8
118.00	1.00	1.31 10.247	11.27	213.03 1.090 *		2.00	6.252	6.82	76.8	0.0	294.7
118.75 Bot - Section 4	1.00	1.31 10.247	11.29	212.06 1.095 *		0.75	2.322	2.54	28.7	0.0	109.4
120.00	1.00	1.32 10.283	11.29	210.43 1.098 *		1.25	3.911	4.29	48.6	0.0	335.0
122.00	1.00	1.32 10.263	11.35	207.81 1.103 *		2.00	6.187	6.82	77.4	0.0	529.8
				205.18 1.109 *							
124.00 Top - Section 3	1.00	1.32 10.355	11.39			2.00	6.100	6.76	77.0	0.0	522.3
125.00 Appurtenance(s)	1.00	1.33 10.372	11.41	207.58 1.106 *		1.00	3.017	3.34	38.1	0.0	118.7
126.00	1.00	1.33 10.389	11.43	206.25 0.982		1.00	2.996	2.94	33.6	0.0	117.8
128.00	1.00	1.33 10.424	11.47	203.60 0.986		2.00	5.927	5.84	67.0	0.0	233.1
130.00	1.00	1.34 10.458	11.50	200.92 0.990 *	0.000	2.00	5.840	5.78	66.5	0.0	229.6
132.00	1.00	1.34 10.492	11.54	198.24 0.995	0.000	2.00	5.753	5.73	66.1	0.0	226.2
134.00	1.00	1.35 10.525	11.58	195.54 1.000 *		2.00	5.667	5.67	65.6	0.0	222.8
136.00	1.00	1.35 10.558	11.61	192.82 1.006 *		2.00	5.580	5.61	65.2	0.0	219.3
138.00	1.00	1.35 10.590	11.65	190.10 1.011 *		2.00	5.493	5.55	64.7	0.0	215.9
140.00 Appurtenance(s)	1.00	1.36 10.622	11.68	187.36 1.016 *		2.00	5.406	5.50	64.2	0.0	212.4
142.00	1.00	1.36 10.654	11.72	184.60 0.950	0.000	2.00	5.320	5.05	59.2	0.0	209.0
144.00	1.00	1.37 10.686	11.75	181.84 0.950	0.000	2.00	5.233	4.97	58.4	0.0	205.6
146.00	1.00	1.37 10.717	11.79	179.06 0.950	0.000	2.00	5.146	4.89	57.6	0.0	202.1
148.00	1.00	1.37 10.747	11.82	176.27 0.950	0.000	2.00	5.060	4.81	56.8	0.0	198.7
150.00 Appurtenance(s)	1.00	1.38 10.778	11.86	173.47 0.950	0.000	2.00	4.973	4.72	56.0	0.0	195.2
152.00	1.00	1.38 10.808	11.89	170.66 0.950	0.000	2.00	4.886	4.64	55.2	0.0	191.8
154.00	1.00	1.39 10.838	11.92	167.83 0.950	0.000	2.00	4.800	4.56	54.4	0.0	188.4
154.75 Bot - Section 5	1.00	1.39 10.849	11.93	166.77 0.950	0.000	0.75	1.778	1.69	20.2	0.0	69.7
156.00	1.00	1.39 10.867	11.95	165.00 0.950	0.000	1.25	2.976	2.83	33.8	0.0	185.5
158.00	1.00	1.39 10.896	11.99	162.15 0.950	0.000	2.00	4.691	4.46	53.4	0.0	292.4
159.00 Top - Section 4	1.00	1.40 10.911		160.73 0.950	0.000		2.313	2.20	26.4	0.0	144.1
160.00	1.00	1.40 10.925	12.02	161.59 0.950	0.000	1.00	2.291	2.18	26.2	0.0	54.2
162.00	1.00	1.40 10.954	12.05	158.73 0.950	0.000	2.00	4.518	4.29	51.7	0.0	106.8
164.00	1.00		12.08	155.85 0.950	0.000	2.00	4.431	4.21	50.9	0.0	104.7
166.00	1.00	1.41 11.010	12.11	152.97 0.950	0.000	2.00	4.344	4.13	50.0	0.0	102.7
167.00 Appurtenance(s)	1.00	1.41 11.024		151.52 0.950	0.000	1.00	2.140	2.03	24.6	0.0	50.6
168.00	1.00	1.41 11.038	12.14	150.07 0.950	0.000	1.00	2.118	2.01	24.4	0.0	50.0
170.00	1.00		12.17	147.17 0.950	0.000	2.00	4.171	3.96	48.2	0.0	98.6
172.00	1.00	1.42 11.093	12.20	144.26 0.950	0.000	2.00	4.084	3.88	47.3	0.0	96.5
174.00	1.00	1.42 11.120	12.23	141.33 0.950	0.000	2.00	3.997	3.80	46.5	0.0	94.4
176.00	1.00	1.43 11.147		138.40 0.950	0.000	2.00	3.911	3.72	45.6	0.0	92.4
178.00	1.00	1.43 11.173	12.29	135.46 0.950	0.000	2.00	3.824	3.63	44.7	0.0	90.3
180.00	1.00	1.43 11.200	12.32	132.51 0.950	0.000	2.00	3.737	3.55	43.7	0.0	88.2
182.00	1.00	1.44 11.226	12.35	129.55 0.950	0.000	2.00	3.651	3.47	42.8	0.0	86.2
184.00	1.00	1.44 11.252		126.58 0.950	0.000		3.564	3.39	41.9	0.0	84.1
				400.04 0.050	0.000		3.477	2 20	41.0	0.0	82.0
186.00	1.00	1.44 11.277	12.40	123.61 0.950	0.000	2.00	3.411	3.30	71.0	0.0	02.0

Structure: CT00595-S-SBA Code: TIA-222-H 3/18/2022

Site Name: Stonington East С **Exposure:** Crest Height: 0.00 Height: 196.00 (ft)

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

Gh: 1.1		Topography:	1	Struct Cla	ass: II				Page: 61	Tower En	gineering Solution
190.00	1.00	1.45 11.328	12.46	117.63 0.950	0.000	2.00	3.304	3.14	39.1	0.0	77.9
192.00	1.00	1.45 11.353	12.49	114.63 0.950	0.000	2.00	3.217	3.06	38.2	0.0	75.8
194.00	1.00	1.46 11.378	12.52	111.62 0.950	0.000	2.00	3.131	2.97	37.2	0.0	73.8
195.00 Appurtenance(s)	1.00	1.46 11.390	12.53	110.11 0.950	0.000	1.00	1.533	1.46	18.2	0.0	36.1

Tower Engineering Solutions

0.000 0.0 1.00 1.46 11.390 12.53 110.11 0.950 1.00 1.533 1.46 18.2 36.1 35.6 196.00 Appurtenance(s) 1.00 1.46 11.402 12.54 108.60 0.950 0.000 1.00 1.511 1.44 18.0 0.0 * Cf Adjusted by Linear Load Ra Effect 6,800.0 38,078.0 Totals: 196.00

Discrete Appurtenance Forces

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: ||



Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00 Wind Load Factor 1.00



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No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	196.00	6' Lightning rod	1	11.402	12.542	1.00	1.00	0.38	6.50	0.000	0.000	4.77	0.00	0.00
2	195.00	APXVSPP18-C-A20	3	11.390	12.529	0.66	0.80	15.98	171.00	0.000	0.000	200.16	0.00	0.00
3	195.00	APXVTM14-C-120	3	11.390	12.529	0.63	0.80	12.02	168.00	0.000	0.000	150.61	0.00	0.00
4	195.00	1900MHz RRH	3	11.390	12.529	0.40	0.80	4.56	132.00	0.000	0.000	57.13	0.00	0.00
5	195.00	TD-RRH8x20-25	3	11.390	12.529	0.40	0.80	4.86	210.00	0.000	0.000	60.89	0.00	0.00
6	195.00	800MHz RRH	3	11.390	12.529	0.40	0.80	3.17	178.50	0.000	0.000	39.69	0.00	0.00
7	195.00	800MHz Filter	3	11.390	12.529	0.40	0.80	0.94	26.40	0.000	0.000	11.73	0.00	0.00
8	195.00	ACU-A20-N	4	11.390	12.529	0.40	0.80	0.22	4.00	0.000	0.000	2.81	0.00	0.00
9	195.00	Low Profile Platform	1	11.390	12.529	1.00	1.00	22.00	1500.00	0.000	0.000	275.64	0.00	0.00
10	167.00	(3) VSR-TS-B	1	11.024	12.127	1.00	1.00	11.43	369.30	0.000	0.000	138.61	0.00	0.00
11	167.00	PRK-1245 (kicker kit)	1	11.024	12.127	1.00	1.00	9.50	464.91	0.000	0.000	115.20	0.00	0.00
12	167.00	HRK12 (Handrail Kit)	1	11.024	12.127	1.00	1.00	6.75	261.72	0.000	0.000	81.86	0.00	0.00
13	167.00	Low Profile	1	11.024	12.127	1.00	1.00	22.00	1500.00	0.000	0.000	266.79	0.00	0.00
14	167.00	KRY 112 144/1	3	11.024	12.127	0.38	0.75	0.46	33.00	0.000	0.000	5.59	0.00	0.00
15	167.00	Ericsson AIR6449 B41	3	11.024	12.127	0.53	0.75	9.03	309.00	0.000	0.000	109.45	0.00	0.00
16	167.00	(3) SFS-H-L (V-Braces)	1	11.024	12.127	1.00	1.00	6.70	230.00	0.000	0.000	81.25	0.00	0.00
17	167.00	Commscope VV-65A-R1	3	11.024	12.127	0.55	0.75	9.75	71.43	0.000	0.000	118.24	0.00	0.00
18	167.00	RFS	3	11.024	12.127	0.55	0.75	33.24	368.40	0.000	0.000	403.14	0.00	0.00
19	167.00	Ericsson 4449 B71 + B85	3	11.024	12.127	0.38	0.75	2.22	219.60	0.000	0.000	26.88	0.00	0.00
20	167.00	Ericsson 4460 B25 + B66	3	11.024	12.127	0.38	0.75	2.41	312.00	0.000	0.000	29.19	0.00	0.00
21	150.00	Low Profile	1	10.778	11.856	1.00	1.00	22.00	1500.00	0.000	0.000	260.82	0.00	0.00
22	150.00	DC6-48-60-18-8F	2	10.778	11.856	0.38	0.75	1.10	63.60	0.000	0.000	13.07	0.00	0.00
23	150.00	LGP13519	6	10.778	11.856	0.38	0.75	0.77	31.80	0.000	0.000	9.07	0.00	0.00
24	150.00	LGP21401	6	10.778	11.856	0.38	0.75	2.90	84.60	0.000	0.000	34.41	0.00	0.00
25	150.00	Handrail Kit	1	10.778	11.856	1.00	1.00	6.75	261.72	0.000	0.000	80.03	0.00	0.00
26	150.00	800 10966	2	10.778	11.856	0.54	0.75	18.75	251.40	0.000	0.000	222.28	0.00	0.00
27	150.00	80010964	1	10.778	11.856	0.53	0.75	5.32	94.80	0.000	0.000	63.13	0.00	0.00
28	150.00	HPA65R-BU4A	3	10.778	11.856	0.64	0.75	9.49	86.10	0.000	0.000	112.46	0.00	0.00
29	150.00	7700.00	3	10.778	11.856	0.59	0.75	3.08	48.00	0.000	0.000	36.46	0.00	0.00
30	150.00	mount pipe	2	10.778	11.856	1.00	1.00	6.62	174.00	0.000	0.000	78.48	0.00	0.00
31	150.00	4449 B5/B12	3	10.778	11.856	0.38	0.75	2.22	213.00	0.000	0.000	26.28	0.00	0.00
32	150.00	B2 B66A 8843	3	10.778	11.856	0.38	0.75	1.84	210.00	0.000	0.000	21.87	0.00	0.00
33	140.00	Low Profile Platform	1	10.622	11.685	1.00	1.00	22.00	1500.00	0.000	0.000	257.06	0.00	0.00
34	140.00	JMA Wireless	6	10.622	11.685	0.65	0.75	38.64	360.00	0.000	0.000	451.51	0.00	0.00
35	140.00	Samsung MT6407-77A	3	10.646	11.711	0.52	0.75	7.39	238.20	0.000	1.500	86.51	0.00	129.76
36		Samsung	3	10.590	11.649	0.61	0.75	1.63	69.42	0.000	-2.000	19.04	0.00	-38.07
37		Samsung RF4440d 13a	3	10.622	11.685	0.38	0.75	4.66	210.99	0.000	0.000	54.42	0.00	0.00
38		Samsung RF4439d 25A	3		11.685	0.38	0.75	5.16	224.10	0.000	0.000	60.34	0.00	0.00
		Raycap	1		11.685		0.75	3.04	32.00	0.000	0.000	35.58	0.00	0.00
40		HRK12 (Handrail Kit)	1		11.685	1.00	1.00	6.75	261.72	0.000	0.000	78.87	0.00	0.00
41		Mount Pipe	3		11.685		0.75	4.39	120.00	0.000	0.000	51.27	0.00	0.00
42		Commscope	1		11.409		1.00	37.59	1727.00	0.000	0.000	428.87	0.00	0.00
43		Raycap	1		11.409	0.38	0.75	0.75	21.90	0.000	0.000	8.60	0.00	0.00
44		Fujitsu TA08025-B604	3	10.372		0.38	0.75	2.21	191.70	0.000	0.000	25.16	0.00	0.00
45		Fujitsu TA08025-B605	3	10.372		0.38	0.75	2.21	225.00	0.000	0.000	25.16	0.00	0.00
46		JMA Wireless	3		11.409	0.55	0.75	20.80	193.50	0.000	0.000	237.26	0.00	0.00
47	30.00		1	7.680	8.448	1.00	1.00	1.00	10.00	0.000	0.000	8.45	0.00	0.00
	55.50	J. J		000	0.110			00	. 0.00	0.000	5.000	0.10	0.00	5.00

Discrete Appurtenance Forces

Structure: CT00595-S-SBA **Code:** TIA-222-H 3/18/2022

Site Name:Stonington EastExposure:CHeight:196.00 (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

Totals: 14,940.31 4,966.08

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: II Page: 64



Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00 Wind Load Factor 1.00

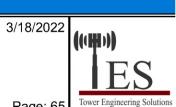


Elev		Lateral	Axial	Torsion	Moment
(ft)	Description	FX (-) (lb)	FY (-) (lb)	MY (lb-ft)	MZ (lb-ft)
		` '			
0.00		0.00	0.00	0.00	0.00
2.00		76.40	744.96	0.00	0.00
4.00		75.79 75.40	739.80	0.00	0.00
6.00 8.00		75.19 74.59	734.64 729.48	0.00 0.00	0.00
10.00		73.99	724.32	0.00	0.00
12.00		73.39	719.16	0.00	0.00
14.00		72.78	714.00	0.00	0.00
16.00		73.07	708.84	0.00	0.00
18.00		74.28	703.68	0.00	0.00
20.00		75.31	698.51	0.00	0.00
22.00		76.18	693.35	0.00	0.00
24.00		76.93	688.19	0.00	0.00
26.00		77.56	683.03	0.00	0.00
28.00		78.10	677.87	0.00	0.00
30.00	(1) attachments	86.99	682.71	0.00	0.00
32.00		78.91	667.55	0.00	0.00
34.00		79.21	662.39	0.00	0.00
35.50		59.48	493.41	0.00	0.00
36.00		20.11	296.74	0.00	0.00
38.00		80.90	1180.74	0.00	0.00
40.00		81.04	1170.77	0.00	0.00
42.00		81.30	1160.79	0.00	0.00
43.00		40.66	576.65	0.00	0.00
44.00		40.52	303.98	0.00	0.00
46.00		81.41	604.35	0.00	0.00
48.00		81.61	599.53	0.00	0.00
50.00		81.77	594.72	0.00	0.00
52.00		81.90	589.90	0.00	0.00
54.00		82.00	585.08	0.00	0.00
56.00		82.08	580.27	0.00	0.00
58.00		82.12	575.45	0.00	0.00
60.00		82.15	570.63	0.00	0.00
62.00		82.15	565.82	0.00	0.00
64.00		82.13	561.00	0.00	0.00
66.00		82.09	556.18	0.00	0.00
68.00		82.03	551.37	0.00	0.00
70.00		81.95	546.55	0.00	0.00
72.00		81.85	541.73	0.00	0.00
74.00		81.73	536.92	0.00	0.00
74.50		20.37	133.48	0.00	0.00
76.00		62.14	684.27	0.00	0.00
78.00		82.80	904.54	0.00	0.00
80.00		82.65	895.59	0.00	0.00
81.00		41.21	444.44	0.00	0.00
82.00		40.93	231.45	0.00	0.00
84.00		81.82	459.81	0.00	0.00

Structure: CT00595-S-SBA Code: TIA-222-H

Site Name: Stonington East Exposure: С Crest Height: 0.00 Height: 196.00 (ft)

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



Base E	Elev: 0.000 (π)			Site Ci	ass: D - Stiff So	
Gh:	1.1	Торс	ography: 1	Struct	Class:	Page: 65 Tower Engineering Solution
86.00		81.62	455.68	0.00	0.00	•
88.00		81.41	451.55	0.00	0.00	
90.00		81.18	447.42	0.00	0.00	
92.00		80.94	443.30	0.00	0.00	
94.00		80.69	439.17	0.00	0.00	
96.00		80.42	435.04	0.00	0.00	
98.00		80.15	430.91	0.00	0.00	
100.00		79.86	426.78	0.00	0.00	
102.00		79.57	422.65	0.00	0.00	
104.00		79.26	418.52	0.00	0.00	
106.00		78.94	414.40	0.00	0.00	
108.00		78.62	410.27	0.00	0.00	
110.00		78.28	406.14	0.00	0.00	
112.00		77.93	402.01	0.00	0.00	
114.00		77.58	397.88	0.00	0.00	
116.00		77.22	393.75	0.00	0.00	
118.00		76.85	389.62	0.00	0.00	
118.75		28.69	145.04	0.00	0.00	
120.00		48.55	394.32	0.00	0.00	
122.00		77.43	624.77	0.00	0.00	
124.00		77.05	617.20	0.00	0.00	
125.00	(11) attachments	763.12	2525.26	0.00	0.00	
126.00		33.62	164.30	0.00	0.00	
128.00		66.98	326.02	0.00	0.00	
130.00		66.53	322.58	0.00	0.00	
132.00		66.08	319.14	0.00	0.00	
134.00		65.62	315.69	0.00	0.00	
136.00		65.16	312.25	0.00	0.00	
138.00		64.69	308.81	0.00	0.00	
140.00	(24) attachments	1158.80	3321.80	0.00	91.69	
142.00		59.23	272.57	0.00	0.00	
144.00		58.44	269.13	0.00	0.00	
146.00		57.63	265.69	0.00	0.00	
148.00		56.83	262.25	0.00	0.00	
150.00	(33) attachments	1014.38	3277.83	0.00	0.00	
152.00		55.19	225.27	0.00	0.00	
154.00		54.36	221.83	0.00	0.00	
154.75		20.15	82.30	0.00	0.00	
156.00		33.79	206.47	0.00	0.00	
158.00		53.41	325.89	0.00	0.00	
159.00		26.37	160.88	0.00	0.00	
160.00		26.16	70.92	0.00	0.00	
162.00		51.71	140.29	0.00	0.00	
164.00		50.85	138.22	0.00	0.00	
166.00		49.98	136.16	0.00	0.00	
167.00	(23) attachments	1400.85	4206.67	0.00	0.00	
168.00		24.43	52.69	0.00	0.00	
170.00		48.23	103.83	0.00	0.00	
172.00		47.34	101.77	0.00	0.00	
174.00		46.45	99.70	0.00	0.00	
176.00		45.55	97.64	0.00	0.00	
178.00		44.65	95.57	0.00	0.00	
180.00		43.74	93.51	0.00	0.00	
182.00		42.83	91.44	0.00	0.00	
184.00		41.91	89.38	0.00	0.00	
186.00		40.98	87.32	0.00	0.00	
188.00		40.05	85.25	0.00	0.00	

Structure: CT00595-S-SBA Code: TIA-222-H 3/18/2022

Site Name: Stonington East Exposure: С Height: 196.00 (ft) Crest Height: 0.00

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

Struct Cla



Gh:	1.1	Тор	ography: 1	Struct	Class: II	Page: 66	Tower Engineering Solutions
190.00		39.11	83.19	0.00	0.00		
192.00		38.17	81.12	0.00	0.00		
194.00		37.22	79.06	0.00	0.00		
195.00	(23) attachments	816.89	2428.66	0.00	0.00		
196.00	(1) attachments	22.77	42.10	0.00	0.00		
	Totals:	11,766.07	60,325.52	0.00	91.69		

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: ||



Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00 Wind Load Factor 1.00



Page: 67

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	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.085	0.000	6.646	0.00	24.96
2.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.085	0.000	6.646	0.00	4.40
2.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.085	0.000	6.646	0.00	2.00
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.086	0.000	6.646	0.00	24.96
4.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.086	0.000	6.646	0.00	4.40
4.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.086	0.000	6.646	0.00	2.00
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.086	0.000	6.646	0.00	24.96
6.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.086	0.000	6.646	0.00	4.40
6.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.086	0.000	6.646	0.00	2.00
8.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.087	0.000	6.646	0.00	24.96
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.087	0.000	6.646	0.00	4.40
8.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.087	0.000	6.646	0.00	2.00
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.088	0.000	6.646	0.00	24.96
10.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.088	0.000	6.646	0.00	4.40
10.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.088	0.000	6.646	0.00	2.00
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.088	0.000	6.646	0.00	24.96
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.088	0.000	6.646	0.00	4.40
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.088	0.000	6.646	0.00	2.00
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.089	0.000	6.646	0.00	24.96
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.089	0.000	6.646	0.00	4.40
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.089	0.000	6.646	0.00	2.00
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.090	0.000	6.728	0.00	24.96
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.090	0.000	6.728	0.00	4.40
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.090	0.000	6.728	0.00	2.00
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.091	0.000	6.897	0.00	24.96
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.091	0.000	6.897	0.00	4.40
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.091	0.000	6.897	0.00	2.00
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.091	0.000	7.052	0.00	24.96
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.091	0.000	7.052	0.00	4.40
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.091	0.000	7.052	0.00	2.00
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.092	0.000	7.195	0.00	24.96
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.092	0.000	7.195	0.00	4.40
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.092	0.000	7.195	0.00	2.00
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.093	0.000	7.328	0.00	24.96
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.093	0.000	7.328	0.00	4.40
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.093	0.000	7.328	0.00	2.00
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.094	0.000	7.452	0.00	24.96
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.094	0.000	7.452	0.00	4.40
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.094	0.000	7.452	0.00	2.00
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.095	0.000	7.570	0.00	24.96
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.095	0.000	7.570	0.00	4.40
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.095	0.000	7.570	0.00	2.00
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.095	0.000	7.680	0.00	24.96
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.095	0.000	7.680	0.00	4.40
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.095	0.000	7.680	0.00	2.00
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.096	0.000	7.785	0.00	24.96
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.096	0.000	7.785	0.00	4.40
	. 5, 5 , 5, 10	. 00	2.00	2.000		2.01	2.00	2.000	2.500		3.00	

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: II Page: 68



Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00 Wind Load Factor 1.00



Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
32.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.096	0.000	7.785	0.00	2.00
34.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.097	0.000	7.885	0.00	24.96
34.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.097	0.000	7.885	0.00	4.40
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.097	0.000	7.885	0.00	2.00
35.50	1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	0.098	0.000	7.957	0.00	18.72
35.50	1 5/8" Hybrid	Yes	1.50	0.000	4.00	0.50	0.00	0.098	0.000	7.957	0.00	3.30
35.50	1.6" Hybrid	Yes	1.50	0.000	1.60	0.20	0.00	0.098	0.000	7.957	0.00	1.50
36.00	1 5/8" Coax	Yes	0.50	0.000	0.00	0.00	0.00	0.098	0.000	7.981	0.00	6.24
36.00	1 5/8" Hybrid	Yes	0.50	0.000	4.00	0.17	0.00	0.098	0.000	7.981	0.00	1.10
	1.6" Hybrid	Yes	0.50	0.000	1.60	0.07	0.00	0.098	0.000	7.981	0.00	0.50
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.099	0.000	8.072	0.00	24.96
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.099	0.000	8.072	0.00	4.40
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.099	0.000	8.072	0.00	2.00
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.100	0.000	8.160	0.00	24.96
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.100	0.000	8.160	0.00	4.40
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.100	0.000	8.160	0.00	2.00
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.101	1.002	8.244	0.00	24.96
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.101	1.002	8.244	0.00	4.40
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.101	1.002	8.244	0.00	2.00
	1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.101	1.004	8.285	0.00	12.48
	1 5/8" Hybrid	Yes	1.00	0.000	4.00	0.33	0.00	0.101	1.004	8.285	0.00	2.20
	1.6" Hybrid	Yes	1.00	0.000	1.60	0.13	0.00	0.101	1.004	8.285	0.00	1.00
	1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.100	1.001	8.325	0.00	12.48
	1 5/8" Hybrid	Yes	1.00	0.000	4.00	0.33	0.00	0.100	1.001	8.325	0.00	2.20
	1.6" Hybrid	Yes	1.00	0.000	1.60	0.13	0.00	0.100	1.001	8.325	0.00	1.00
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.101	1.003	8.404	0.00	24.96
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.101	1.003	8.404	0.00	4.40
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.101	1.003	8.404	0.00	2.00
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.102	1.006	8.479	0.00	24.96
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.102	1.006	8.479	0.00	4.40
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.102	1.006	8.479	0.00	2.00
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.103	1.009	8.552	0.00	24.96
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.103	1.009	8.552	0.00	4.40
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.103	1.009	8.552	0.00	2.00
	1.5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.103	1.012	8.623	0.00	24.96
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.104	1.012	8.623	0.00	4.40
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.104	1.012	8.623	0.00	2.00
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.105	1.015	8.692	0.00	24.96
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.105	1.015	8.692	0.00	4.40
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.105	1.015	8.692	0.00	2.00
	1.5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.106	1.018	8.759	0.00	24.96
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.106	1.018	8.759	0.00	4.40
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.07	0.00	0.106	1.018	8.759	0.00	2.00
	1.5 Hybrid 1.5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.107	1.018	8.824	0.00	24.96
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.107	1.021	8.824	0.00	4.40
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.67	0.00	0.107	1.021	8.824	0.00	2.00
	1.5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.107	1.021	8.887	0.00	24.96

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: II Page: 69



Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00 Wind Load Factor 1.00



Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
60.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.108	1.024	8.887	0.00	4.40
60.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.108	1.024	8.887	0.00	2.00
62.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.109	1.027	8.949	0.00	24.96
62.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.109	1.027	8.949	0.00	4.40
62.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.109	1.027	8.949	0.00	2.00
64.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.110	1.031	9.009	0.00	24.96
64.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.110	1.031	9.009	0.00	4.40
64.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.110	1.031	9.009	0.00	2.00
66.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.111	1.034	9.067	0.00	24.96
66.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.111	1.034	9.067	0.00	4.40
66.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.111	1.034	9.067	0.00	2.00
68.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.113	1.038	9.124	0.00	24.96
68.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.113	1.038	9.124	0.00	4.40
68.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.113	1.038	9.124	0.00	2.00
70.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.114	1.041	9.180	0.00	24.96
70.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.114	1.041	9.180	0.00	4.40
70.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.114	1.041	9.180	0.00	2.00
72.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.115	1.045	9.235	0.00	24.96
72.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.115	1.045	9.235	0.00	4.40
72.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.115	1.045	9.235	0.00	2.00
74.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.116	1.049	9.288	0.00	24.96
74.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.116	1.049	9.288	0.00	4.40
74.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.116	1.049	9.288	0.00	2.00
74.50	1 5/8" Coax	Yes	0.50	0.000	0.00	0.00	0.00	0.117	1.051	9.301	0.00	6.24
74.50	1 5/8" Hybrid	Yes	0.50	0.000	4.00	0.17	0.00	0.117	1.051	9.301	0.00	1.10
74.50	1.6" Hybrid	Yes	0.50	0.000	1.60	0.07	0.00	0.117	1.051	9.301	0.00	0.50
76.00	1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	0.118	1.053	9.340	0.00	18.72
76.00	1 5/8" Hybrid	Yes	1.50	0.000	4.00	0.50	0.00	0.118	1.053	9.340	0.00	3.30
76.00	1.6" Hybrid	Yes	1.50	0.000	1.60	0.20	0.00	0.118	1.053	9.340	0.00	1.50
78.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.119	1.056	9.392	0.00	24.96
78.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.119	1.056	9.392	0.00	4.40
78.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.119	1.056	9.392	0.00	2.00
80.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.120	1.060	9.442	0.00	24.96
80.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.120	1.060	9.442	0.00	4.40
80.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.120	1.060	9.442	0.00	2.00
81.00	1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.121	1.063	9.467	0.00	12.48
81.00	1 5/8" Hybrid	Yes	1.00	0.000	4.00	0.33	0.00	0.121	1.063	9.467	0.00	2.20
81.00	1.6" Hybrid	Yes	1.00	0.000	1.60	0.13	0.00	0.121	1.063	9.467	0.00	1.00
82.00	1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.120	1.059	9.491	0.00	12.48
82.00	1 5/8" Hybrid	Yes	1.00	0.000	4.00	0.33	0.00	0.120	1.059	9.491	0.00	2.20
82.00	1.6" Hybrid	Yes	1.00	0.000	1.60	0.13	0.00	0.120	1.059	9.491	0.00	1.00
84.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.121	1.062	9.539	0.00	24.96
84.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.121	1.062	9.539	0.00	4.40
84.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.121	1.062	9.539	0.00	2.00
86.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.122	1.067	9.587	0.00	24.96
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.122	1.067	9.587	0.00	4.40
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.122	1.067	9.587	0.00	2.00

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: II Page: 70



Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00 Wind Load Factor 1.00



Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
88.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.124	1.071	9.633	0.00	24.96
88.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.124	1.071	9.633	0.00	4.40
88.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.124	1.071	9.633	0.00	2.00
90.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.125	1.075	9.679	0.00	24.96
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.125	1.075	9.679	0.00	4.40
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.125	1.075	9.679	0.00	2.00
92.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.126	1.079	9.724	0.00	24.96
92.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.126	1.079	9.724	0.00	4.40
92.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.126	1.079	9.724	0.00	2.00
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.128	1.084	9.768	0.00	24.96
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.128	1.084	9.768	0.00	4.40
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.128	1.084	9.768	0.00	2.00
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.130	1.089	9.811	0.00	24.96
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.130	1.089	9.811	0.00	4.40
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.130	1.089	9.811	0.00	2.00
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.131	1.093	9.854	0.00	24.96
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.131	1.093	9.854	0.00	4.40
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.131	1.093	9.854	0.00	2.00
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.133	1.098	9.896	0.00	24.96
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.133	1.098	9.896	0.00	4.40
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.133	1.098	9.896	0.00	2.00
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.134	1.103	9.937	0.00	24.96
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.134	1.103	9.937	0.00	4.40
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.134	1.103	9.937	0.00	2.00
	1.5 Trybhd 1.5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.136	1.108	9.978	0.00	24.96
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.136	1.108	9.978	0.00	4.40
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.136	1.108	9.978	0.00	2.00
	1.5 Trybhd 1.5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.138	1.113	10.018	0.00	24.96
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.138	1.113	10.018	0.00	4.40
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.07	0.00	0.138	1.113	10.018	0.00	2.00
	1.5 Hybrid 1.5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.140	1.119	10.018	0.00	24.96
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.140	1.119	10.058	0.00	4.40
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.07	0.00	0.140	1.119	10.058	0.00	2.00
	1.5 Tryblid 1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.140	1.119	10.038	0.00	24.96
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.141	1.124	10.097	0.00	4.40
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.07	0.00	0.141	1.124	10.097	0.00	2.00
	1.6 Hybrid 1.5/8" Coax		2.00		0.00	0.27	0.00		1.124		0.00	
		Yes		0.000				0.143		10.135		24.96
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.143	1.130	10.135	0.00	4.40
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.143	1.130	10.135	0.00	2.00
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.145	1.136	10.173	0.00	24.96
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.145	1.136	10.173	0.00	4.40
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.145	1.136	10.173	0.00	2.00
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.147	1.142	10.210	0.00	24.96
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.147	1.142	10.210	0.00	4.40
	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.147	1.142	10.210	0.00	2.00
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.149	1.148	10.247	0.00	24.96
118.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.149	1.148	10.247	0.00	4.40

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: II Page: 71



Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00 Wind Load Factor 1.00



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)
118.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.149	1.148	10.247	0.00	2.00
118.75	1 5/8" Coax	Yes	0.75	0.000	0.00	0.00	0.00	0.151	1.152	10.261	0.00	9.36
118.75	1 5/8" Hybrid	Yes	0.75	0.000	4.00	0.25	0.00	0.151	1.152	10.261	0.00	1.65
118.75	1.6" Hybrid	Yes	0.75	0.000	1.60	0.10	0.00	0.151	1.152	10.261	0.00	0.75
120.00	1 5/8" Coax	Yes	1.25	0.000	0.00	0.00	0.00	0.152	1.155	10.283	0.00	15.60
120.00	1 5/8" Hybrid	Yes	1.25	0.000	4.00	0.42	0.00	0.152	1.155	10.283	0.00	2.75
120.00	1.6" Hybrid	Yes	1.25	0.000	1.60	0.17	0.00	0.152	1.155	10.283	0.00	1.25
122.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.154	1.161	10.319	0.00	24.96
122.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.154	1.161	10.319	0.00	4.40
122.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.154	1.161	10.319	0.00	2.00
124.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.156	1.167	10.355	0.00	24.96
124.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.156	1.167	10.355	0.00	4.40
124.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.156	1.167	10.355	0.00	2.00
125.00	1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.155	1.164	10.372	0.00	12.48
125.00	1 5/8" Hybrid	Yes	1.00	0.000	4.00	0.33	0.00	0.155	1.164	10.372	0.00	2.20
125.00	1.6" Hybrid	Yes	1.00	0.000	1.60	0.13	0.00	0.155	1.164	10.372	0.00	1.00
126.00	1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.111	1.034	10.389	0.00	12.48
126.00	1 5/8" Hybrid	Yes	1.00	0.000	4.00	0.33	0.00	0.111	1.034	10.389	0.00	2.20
128.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.112	1.037	10.424	0.00	24.96
128.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.112	1.037	10.424	0.00	4.40
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.114	1.042	10.458	0.00	24.96
130.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.114	1.042	10.458	0.00	4.40
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.116	1.048	10.492	0.00	24.96
132.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.116	1.048	10.492	0.00	4.40
134.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.118	1.053	10.525	0.00	24.96
134.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.118	1.053	10.525	0.00	4.40
136.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.119	1.058	10.558	0.00	24.96
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.119	1.058	10.558	0.00	4.40
	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.121	1.064	10.590	0.00	24.96
138.00	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.121	1.064	10.590	0.00	4.40
140.00	1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	0.123	1.070	10.622	0.00	24.96
	1 5/8" Hybrid	Yes	2.00	0.000	4.00	0.67	0.00	0.123	1.070	10.622	0.00	4.40
	-								To	tals:	0.0	2,180.2

Structure: CT00595-S-SBA **Code:** TIA-222-H 3/18/2022

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: ||



Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00 Wind Load Factor 1.00



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Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-)	Tu MY (-) (ft-kins)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-60.32	-11.77	0.00	-1440.9	0.00	1440.90	5795.46	1682.91	8909.80	7510.36	0.00	0.000	0.000	0.202
2.00	-59.58	-11.71	0.00	-1417.3	0.00	1417.36	5776.44	1669.60	8769.44	7426.09	0.00	-0.016	0.000	0.201
4.00	-58.83	-11.65	0.00	-1393.9	0.00	1393.93	5757.00	1656.30	8630.20	7341.68	0.01	-0.033	0.000	0.200
6.00	-58.09	-11.60	0.00	-1370.6	0.00	1370.63	5737.14	1642.99	8492.07	7257.12	0.03	-0.050	0.000	0.199
8.00	-57.36	-11.54	0.00	-1347.4	0.00	1347.44	5716.84	1629.68	8355.05	7172.43	0.06	-0.067	0.000	0.198
10.00	-56.63	-11.48	0.00	-1324.3	0.00	1324.36	5696.12	1616.37	8219.15	7087.63	0.09	-0.084	0.000	0.197
12.00	-55.91	-11.42	0.00	-1301.4	0.00	1301.41	5674.97	1603.06	8084.36	7002.73	0.13	-0.101	0.000	0.196
14.00	-55.19	-11.36	0.00	-1278.5	0.00	1278.56	5653.40	1589.76	7950.69	6917.75	0.17	-0.118	0.000	0.195
16.00	-54.48	-11.31	0.00	-1255.8	0.00	1255.84	5631.39	1576.45	7818.13	6832.69	0.23	-0.135	0.000	0.194
18.00	-53.78	-11.25	0.00	-1233.2	0.00	1233.23	5608.96	1563.14	7686.69	6747.57	0.29	-0.153	0.000	0.192
20.00	-53.07	-11.18	0.00	-1210.7	0.00	1210.74	5586.10	1549.83	7556.36	6662.41	0.35	-0.170	0.000	0.191
22.00	-52.38	-11.12	0.00	-1188.3	0.00	1188.37	5562.81	1536.52	7427.15	6577.21	0.43	-0.188	0.000	0.190
24.00	-51.69	-11.06	0.00	-1166.1	0.00	1166.12	5539.10	1523.21	7299.05	6491.99	0.51	-0.206	0.000	0.189
26.00	-51.00	-11.00	0.00	-1144.0	0.00	1144.00	5514.96	1509.91	7172.06	6406.77	0.60	-0.224	0.000	0.188
28.00	-50.32	-10.93	0.00	-1122.0	0.00	1122.01	5490.39	1496.60	7046.19	6321.55	0.70	-0.242	0.000	0.187
30.00	-49.63	-10.86	0.00	-1100.1	0.00	1100.15	5465.39	1483.29	6921.43	6236.35	0.80	-0.260	0.000	0.186
32.00	-48.96	-10.79	0.00	-1078.4	0.00	1078.44	5439.96	1469.98	6797.79	6151.18	0.92	-0.278	0.000	0.184
34.00	-48.30	-10.72	0.00	-1056.8	0.00	1056.86	5414.11	1456.67	6675.26	6066.06	1.04	-0.297	0.000	0.183
35.50	-47.80	-10.67	0.00	-1040.7	0.00	1040.78	5394.44	1446.69	6584.09	6002.26	1.13	-0.311	0.000	0.182
36.00	-47.50	-10.65	0.00	-1035.4	0.00	1035.45	5387.83	1443.36	6553.84	5981.00	1.17	-0.315	0.000	0.182
38.00	-46.32	-10.58	0.00	-1014.1	0.00	1014.14	5361.12	1430.06	6433.54	5896.01	1.30	-0.334	0.000	0.181
40.00	-45.15	-10.51	0.00	-992.97	0.00	992.97	5333.99	1416.75	6314.36	5811.11	1.45	-0.353	0.000	0.179
42.00	-43.98	-10.43	0.00	-971.96	0.00	971.96	5306.43	1403.44	6196.29	5726.30	1.60	-0.372	0.000	0.178
43.00	-43.40	-10.39	0.00	-961.52	0.00	961.52	4823.70	1326.07	5927.09	5273.35	1.68	-0.381	0.000	0.191
44.00	-43.10	-10.36	0.00	-951.13	0.00	951.13	4812.47	1319.86	5871.70	5236.23	1.76	-0.391	0.000	0.191
46.00	-42.49	-10.29	0.00	-930.41	0.00	930.41	4789.68	1307.44	5761.71	5161.99	1.93	-0.411	0.000	0.189
48.00	-41.89	-10.22	0.00	-909.82	0.00	909.82	4766.46	1295.02	5652.75	5087.77	2.10	-0.430	0.000	0.188
50.00	-41.29	-10.15	0.00	-889.38	0.00	889.38	4742.82	1282.60	5544.84	5013.57	2.29	-0.450	0.000	0.186
52.00	-40.70	-10.08	0.00	-869.09	0.00	869.09	4718.75	1270.18	5437.96	4939.41	2.48	-0.470	0.000	0.185
54.00	-40.11	-10.00	0.00	-848.94	0.00	848.94	4694.25	1257.76	5332.12	4865.31	2.68	-0.490	0.000	0.183
56.00	-39.53	-9.93	0.00	-828.93	0.00	828.93	4669.32	1245.33	5227.33	4791.28	2.89	-0.510	0.000	0.182
58.00	-38.95	-9.86	0.00	-809.07	0.00	809.07	4643.97	1232.91	5123.57	4717.32	3.11	-0.530	0.000	0.180
60.00	-38.38	-9.78	0.00	-789.36	0.00	789.36	4618.19	1220.49	5020.86	4643.46	3.34	-0.551	0.000	0.178
62.00	-37.81	-9.71	0.00	-769.80	0.00	769.80	4591.98	1208.07	4919.18	4569.71	3.57	-0.571	0.000	0.177
64.00	-37.24	-9.63	0.00	-750.38	0.00	750.38	4565.34	1195.65	4818.55	4496.07	3.82	-0.592	0.000	0.175
66.00	-36.69	-9.56	0.00	-731.11	0.00	731.11	4538.28	1183.23	4718.95	4422.57	4.07	-0.613	0.000	0.173
68.00	-36.13	-9.48	0.00	-711.99	0.00	711.99	4510.78	1170.81	4620.40	4349.22	4.33	-0.634	0.000	0.172
70.00	-35.58	-9.41	0.00	-693.03	0.00	693.03	4482.87		4522.88	4276.03	4.60	-0.654	0.000	0.170
72.00	-35.04	-9.33		-674.21	0.00	674.21			4426.41		4.88	-0.676	0.000	0.168
74.00	-34.50	-9.25	0.00	-655.54	0.00	655.54	4425.74		4330.97		5.17	-0.697	0.000	0.167
74.50	-34.37	-9.24	0.00	-650.91	0.00	650.91	4418.48	1130.44	4307.27	4111.99	5.24	-0.702	0.000	0.166
76.00	-33.68	-9.18	0.00	-637.06	0.00	637.06	4396.54		4236.58	4057.54	5.46	-0.718	0.000	0.165
78.00	-32.77	-9.10	0.00	-618.70	0.00	618.70	4366.91		4143.22	3985.11	5.77	-0.739	0.000	0.163
80.00	-31.87	-9.01	0.00	-600.51	0.00	600.51	4336.86		4050.91	3912.92	6.08	-0.761	0.000	0.161
81.00	-31.43	-8.97		-591.49	0.00	591.49	3502.12	951.57		3204.59	6.24	-0.772	0.000	0.194
82.00	-31.20	-8.94	0.00		0.00	582.53	3492.03	946.24	3520.94	3177.33	6.41	-0.782	0.000	0.192
84.00	-30.73	-8.86		-564.65	0.00	564.65	3471.52	935.60			6.74	-0.806	0.000	0.190
86.00	-30.28	-8.78		-546.94	0.00	546.94	3450.59		3364.26		7.08	-0.830	0.000	0.187

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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



88.00 -29.82 -8.71 0.00 -529.37 0.00 529.37 3429.23 914.30 3287.26 3013.99 7.43 -0.8 90.00 -29.37 -8.63 0.00 -511.95 0.00 511.95 3407.44 903.66 3211.15 2959.67 7.80 -0.8 92.00 -28.93 -8.56 0.00 -494.68 0.00 494.68 3385.23 893.01 3135.93 2905.43 8.17 -0.9 96.00 -28.48 -8.48 0.00 -477.57 0.00 477.57 3362.58 882.36 3061.60 2851.28 8.55 -0.9 96.00 -28.05 -8.41 0.00 -460.60 0.00 460.60 3331.60 861.07 2915.61 2743.33 9.35 -0.9 100.00 -27.19 -8.25 0.00 -427.13 0.00 427.13 3292.09 850.42 2843.96 2689.56 9.76 -0.9 102.00 -26.76 -8.18 0	78 0.000 0.182 02 0.000 0.179 26 0.000 0.176 50 0.000 0.173 74 0.000 0.167 98 0.000 0.167 22 0.000 0.164 45 0.000 0.158 93 0.000 0.154
92.00 -28.93 -8.56 0.00 -494.68 0.00 494.68 3385.23 893.01 3135.93 2905.43 8.17 -0.99 94.00 -28.48 -8.48 0.00 -477.57 0.00 477.57 3362.58 882.36 3061.60 2851.28 8.55 -0.99 96.00 -28.05 -8.41 0.00 -460.60 0.00 460.60 3339.51 871.72 2988.16 2797.25 8.95 -0.99 98.00 -27.61 -8.33 0.00 -443.79 0.00 443.79 3316.01 861.07 2915.61 2743.33 9.35 -0.99 102.00 -26.76 -8.18 0.00 -410.62 0.00 410.62 3267.73 839.78 2773.20 2635.93 10.19 -1.0 104.00 -26.34 -8.10 0.00 -384.27 0.00 378.06 3217.75 818.48 2634.35 2529.17 11.06 -1.0 106.00 -25.51 -7.95	02 0.000 0.179 26 0.000 0.176 50 0.000 0.173 74 0.000 0.170 98 0.000 0.167 22 0.000 0.164 45 0.000 0.158 93 0.000 0.154
94.00 -28.48 -8.48 0.00 -477.57 0.00 477.57 3362.58 882.36 3061.60 2851.28 8.55 -0.99 96.00 -28.05 -8.41 0.00 -460.60 0.00 460.60 3339.51 871.72 2988.16 2797.25 8.95 -0.99 98.00 -27.61 -8.33 0.00 -443.79 0.00 443.79 3316.01 861.07 2915.61 2743.33 9.35 -0.91 100.00 -27.19 -8.25 0.00 -410.62 0.00 410.62 3267.73 839.78 2773.20 2635.93 10.19 -1.00 104.00 -26.34 -8.10 0.00 -349.27 0.00 394.27 3242.95 829.13 2703.33 2582.46 10.62 -1.00 106.00 -25.92 -8.03 0.00 -382.01 0.00 362.01 382.77 3242.95 829.13 2703.33 2582.46 10.62 -1.00 108.00 -25.92	26 0.000 0.176 50 0.000 0.173 74 0.000 0.170 98 0.000 0.167 22 0.000 0.164 45 0.000 0.158 93 0.000 0.154
96.00 -28.05 -8.41 0.00 -460.60 0.00 460.60 3339.51 871.72 2988.16 2797.25 8.95 -0.99 98.00 -27.61 -8.33 0.00 -443.79 0.00 443.79 3316.01 861.07 2915.61 2743.33 9.35 -0.99 100.00 -27.19 -8.25 0.00 -427.13 0.00 427.13 3292.09 850.42 2843.96 2689.56 9.76 -0.99 102.00 -26.76 -8.18 0.00 -410.62 0.00 410.62 3267.73 839.78 2773.20 2635.93 10.19 -1.00 104.00 -26.34 -8.10 0.00 -394.27 0.00 394.27 3242.95 829.13 2703.33 2582.46 10.62 -1.00 106.00 -25.92 -8.03 0.00 -362.01 0.00 362.01 3192.11 807.84 2566.26 2476.07 11.52 -1.00 108.00 -25.10 -7.88	50 0.000 0.173 74 0.000 0.170 98 0.000 0.167 22 0.000 0.164 45 0.000 0.161 69 0.000 0.158 93 0.000 0.154
98.00 -27.61 -8.33 0.00 -443.79 0.00 443.79 3316.01 861.07 2915.61 2743.33 9.35 -0.99 100.00 -27.19 -8.25 0.00 -427.13 0.00 427.13 3292.09 850.42 2843.96 2689.56 9.76 -0.99 102.00 -26.76 -8.18 0.00 -410.62 0.00 410.62 3267.73 839.78 2773.20 2635.93 10.19 -1.00 104.00 -26.34 -8.10 0.00 -394.27 0.00 394.27 3242.95 829.13 2703.33 2582.46 10.62 -1.00 106.00 -25.92 -8.03 0.00 -378.06 0.00 378.06 3217.75 818.48 2634.35 2529.17 11.06 -1.00 108.00 -25.51 -7.95 0.00 -362.01 0.00 362.01 3192.11 807.84 2566.26 2476.07 11.52 -1.00 110.00 -24.70 -7.80	74 0.000 0.170 98 0.000 0.167 22 0.000 0.164 45 0.000 0.161 69 0.000 0.158 93 0.000 0.154
100.00 -27.19 -8.25 0.00 -427.13 0.00 427.13 3292.09 850.42 2843.96 2689.56 9.76 -0.99 102.00 -26.76 -8.18 0.00 -410.62 0.00 410.62 3267.73 839.78 2773.20 2635.93 10.19 -1.00 104.00 -26.34 -8.10 0.00 -394.27 0.00 394.27 3242.95 829.13 2703.33 2582.46 10.62 -1.00 106.00 -25.92 -8.03 0.00 -378.06 0.00 378.06 3217.75 818.48 2634.35 2529.17 11.06 -1.00 108.00 -25.51 -7.95 0.00 -362.01 0.00 362.01 3192.11 807.84 2566.26 2476.07 11.52 -1.00 110.00 -25.10 -7.88 0.00 -346.11 0.00 346.11 3166.05 797.19 2499.06 2423.18 11.98 -1.1 114.00 -24.70 -7.80 0.00 -314.76 0.00 314.76 3112.64 775.90 2367.34 <td>98 0.000 0.167 22 0.000 0.164 45 0.000 0.161 69 0.000 0.158 93 0.000 0.154</td>	98 0.000 0.167 22 0.000 0.164 45 0.000 0.161 69 0.000 0.158 93 0.000 0.154
102.00 -26.76 -8.18 0.00 -410.62 0.00 410.62 3267.73 839.78 2773.20 2635.93 10.19 -1.00 104.00 -26.34 -8.10 0.00 -394.27 0.00 394.27 3242.95 829.13 2703.33 2582.46 10.62 -1.00 106.00 -25.92 -8.03 0.00 -378.06 0.00 378.06 3217.75 818.48 2634.35 2529.17 11.06 -1.00 108.00 -25.51 -7.95 0.00 -362.01 0.00 362.01 3192.11 807.84 2566.26 2476.07 11.52 -1.00 110.00 -25.10 -7.88 0.00 -346.11 0.00 346.11 3166.05 797.19 2499.06 2423.18 11.98 -1.1 112.00 -24.70 -7.80 0.00 -330.36 0.00 330.36 3139.56 786.54 2432.76 2370.49 12.45 -1.14 116.00 -23.91 -7.65 0.00 -299.31 0.00 299.31 3085.29 765.25 2302.82 </td <td>22 0.000 0.164 45 0.000 0.161 69 0.000 0.158 93 0.000 0.154</td>	22 0.000 0.164 45 0.000 0.161 69 0.000 0.158 93 0.000 0.154
104.00 -26.34 -8.10 0.00 -394.27 0.00 394.27 3242.95 829.13 2703.33 2582.46 10.62 -1.00 106.00 -25.92 -8.03 0.00 -378.06 0.00 378.06 3217.75 818.48 2634.35 2529.17 11.06 -1.00 108.00 -25.51 -7.95 0.00 -362.01 0.00 362.01 3192.11 807.84 2566.26 2476.07 11.52 -1.00 110.00 -25.10 -7.88 0.00 -346.11 0.00 346.11 3166.05 797.19 2499.06 2423.18 11.98 -1.1 112.00 -24.70 -7.80 0.00 -330.36 0.00 330.36 3139.56 786.54 2432.76 2370.49 12.45 -1.1 114.00 -24.30 -7.72 0.00 -314.76 0.00 314.76 3112.64 775.90 2367.34 2318.04 12.93 -1.1 118.00 -23.91 -7.65 0.00 -299.31 0.00 299.31 3085.29 765.25 2302.82 <td>45 0.000 0.161 69 0.000 0.158 93 0.000 0.154</td>	45 0.000 0.161 69 0.000 0.158 93 0.000 0.154
106.00 -25.92 -8.03 0.00 -378.06 0.00 378.06 3217.75 818.48 2634.35 2529.17 11.06 -1.00 108.00 -25.51 -7.95 0.00 -362.01 0.00 362.01 3192.11 807.84 2566.26 2476.07 11.52 -1.00 110.00 -25.10 -7.88 0.00 -346.11 0.00 346.11 3166.05 797.19 2499.06 2423.18 11.98 -1.1 112.00 -24.70 -7.80 0.00 -330.36 0.00 330.36 3139.56 786.54 2432.76 2370.49 12.45 -1.1 114.00 -24.30 -7.72 0.00 -314.76 0.00 314.76 3112.64 775.90 2367.34 2318.04 12.93 -1.11 116.00 -23.91 -7.65 0.00 -299.31 0.00 299.31 3085.29 765.25 2302.82 2265.83 13.43 -1.1 118.00 -23.52 -7.57 0.00 -284.01 0.00 284.01 3057.52 754.60 2239.19 <td>0.000 0.158 0.000 0.154</td>	0.000 0.158 0.000 0.154
108.00 -25.51 -7.95 0.00 -362.01 0.00 362.01 3192.11 807.84 2566.26 2476.07 11.52 -1.0 110.00 -25.10 -7.88 0.00 -346.11 0.00 346.11 3166.05 797.19 2499.06 2423.18 11.98 -1.1 112.00 -24.70 -7.80 0.00 -330.36 0.00 330.36 3139.56 786.54 2432.76 2370.49 12.45 -1.1 114.00 -24.30 -7.72 0.00 -314.76 0.00 314.76 3112.64 775.90 2367.34 2318.04 12.93 -1.11 116.00 -23.91 -7.65 0.00 -299.31 0.00 299.31 3085.29 765.25 2302.82 2265.83 13.43 -1.1 118.00 -23.52 -7.57 0.00 -284.01 0.00 284.01 3057.52 754.60 2239.19 2213.87 13.93 -1.2 120.00 -22.98 -7.49 0.00 -278.34 0.00 278.34 3046.99 750.61 2215.56	93 0.000 0.154
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114.00 -24.30 -7.72 0.00 -314.76 0.00 314.76 3112.64 775.90 2367.34 2318.04 12.93 -1.11 116.00 -23.91 -7.65 0.00 -299.31 0.00 299.31 3085.29 765.25 2302.82 2265.83 13.43 -1.11 118.00 -23.52 -7.57 0.00 -284.01 0.00 284.01 3057.52 754.60 2239.19 2213.87 13.93 -1.21 118.75 -23.37 -7.54 0.00 -278.34 0.00 278.34 3046.99 750.61 2215.56 2194.45 14.12 -1.2 120.00 -22.98 -7.49 0.00 -268.91 0.00 268.91 3029.32 743.96 2176.45 2162.18 14.44 -1.2 122.00 -22.35 -7.41 0.00 -253.92 0.00 253.92 3000.69 733.31 2114.60 2110.77 14.96 -1.2 124.00 -21.73 -7.33 0.00 -231.77 0.00 231.77 2329.03 609.92 1755.44 <td></td>	
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124.00 -21.73 -7.33 0.00 -239.10 0.00 239.10 2338.57 614.36 1781.07 1656.86 15.49 -1.2 125.00 -19.22 -6.51 0.00 -231.77 0.00 231.77 2329.03 609.92 1755.44 1638.08 15.76 -1.2 126.00 -19.06 -6.48 0.00 -225.26 0.00 225.26 2319.39 605.49 1730.00 1619.32 16.03 -1.3 128.00 -18.73 -6.41 0.00 -212.30 0.00 212.30 2299.78 596.62 1679.67 1581.89 16.58 -1.3	32 0.000 0.132
125.00 -19.22 -6.51 0.00 -231.77 0.00 231.77 2329.03 609.92 1755.44 1638.08 15.76 -1.20 126.00 -19.06 -6.48 0.00 -225.26 0.00 225.26 2319.39 605.49 1730.00 1619.32 16.03 -1.30 128.00 -18.73 -6.41 0.00 -212.30 0.00 212.30 2299.78 596.62 1679.67 1581.89 16.58 -1.30	54 0.000 0.128
126.00 -19.06 -6.48 0.00 -225.26 0.00 225.26 2319.39 605.49 1730.00 1619.32 16.03 -1.30 128.00 -18.73 -6.41 0.00 -212.30 0.00 212.30 2299.78 596.62 1679.67 1581.89 16.58 -1.30	76 0.000 0.154
128.00 -18.73 -6.41 0.00 -212.30 0.00 212.30 2299.78 596.62 1679.67 1581.89 16.58 -1.33	87 0.000 0.150
130.00 -18.41 -6.35 0.00 -199.48 0.00 199.48 2279.74 587.74 1630.09 1544.58 17.14 -1.3	
132.00 -18.09 -6.28 0.00 -186.79 0.00 186.79 2259.27 578.87 1581.25 1507.39 17.71 -1.3	
134.00 -17.77 -6.21 0.00 -174.23 0.00 174.23 2238.38 570.00 1533.15 1470.34 18.29 -1.39	
136.00 -17.46 -6.15 0.00 -161.80 0.00 161.80 2217.06 561.13 1485.79 1433.45 18.88 -1.4 138.00 -17.15 -6.08 0.00 -149.50 0.00 149.50 2195.31 552.25 1439.18 1396.73 19.48 -1.4	
140.00 -13.85 -4.84 0.00 -137.25 0.00 137.25 2173.13 543.38 1393.31 1360.19 20.08 -1.4	
142.00 -13.58 -4.78 0.00 -137.25 0.00 127.56 2150.53 534.51 1348.18 1323.84 20.70 -1.4	
144.00 -13.31 -4.72 0.00 -117.99 0.00 117.99 2127.50 525.64 1303.79 1287.70 21.32 -1.44	
146.00 -13.05 -4.66 0.00 -108.55 0.00 108.55 2104.04 516.77 1260.15 1251.78 21.95 -1.5	
148.00 -12.79 -4.60 0.00 -99.23 0.00 99.23 2080.15 507.89 1217.25 1216.10 22.59 -1.50	
150.00 -9.54 -3.50 0.00 -90.02 0.00 90.02 2055.84 499.02 1175.10 1180.67 23.24 -1.50	52 0.000 0.081
152.00 -9.31 -3.44 0.00 -83.02 0.00 83.02 2031.10 490.15 1133.68 1145.49 23.89 -1.50	69 0.000 0.077
154.00 -9.09 -3.39 0.00 -76.13 0.00 76.13 2005.93 481.28 1093.01 1110.59 24.55 -1.50	86 0.000 0.073
154.75 -9.01 -3.36 0.00 -73.59 0.00 73.59 1996.38 477.95 1077.95 1097.58 24.80 -1.50	92 0.000 0.072
156.00 -8.80 -3.33 0.00 -69.38 0.00 69.38 1980.33 472.40 1053.09 1075.98 25.22 -1.60	02 0.000 0.069
158.00 -8.48 -3.27 0.00 -62.73 0.00 62.73 1946.84 463.53 1013.90 1037.68 25.90 -1.6	
159.00 -8.32 -3.24 0.00 -59.46 0.00 59.46 942.51 280.76 619.93 509.56 26.24 -1.6	
160.00 -8.24 -3.21 0.00 -56.23 0.00 56.23 939.15 278.09 608.23 502.90 26.58 -1.69	
162.00 -8.10 -3.16 0.00 -49.81 0.00 49.81 932.13 272.77 585.17 489.52 27.27 -1.6	
164.00 -7.97 -3.11 0.00 -43.49 0.00 43.49 924.68 267.45 562.55 476.06 27.96 -1.6°	
166.00 -7.83 -3.05 0.00 -37.28 0.00 37.28 916.80 262.12 540.38 462.54 28.67 -1.69 167.00 -3.67 -1.53 0.00 -34.23 0.00 34.23 912.70 259.46 529.46 455.76 29.02 -1.79	
168.00 -3.62 -1.50 0.00 -32.70 0.00 32.70 908.49 256.80 518.65 448.97 29.38 -1.7	
170.00 -3.51 -1.45 0.00 -29.69 0.00 29.69 899.76 251.48 497.37 435.36 30.10 -1.73	
172.00 -3.41 -1.40 0.00 -26.78 0.00 26.78 890.60 246.15 476.54 421.74 30.83 -1.74	
174.00 -3.31 -1.36 0.00 -23.98 0.00 23.98 881.01 240.83 456.15 408.10 31.56 -1.74	
176.00 -3.22 -1.31 0.00 -21.26 0.00 21.26 870.99 235.51 436.21 394.47 32.30 -1.7	
178.00 -3.12 -1.26 0.00 -18.65 0.00 18.65 860.55 230.18 416.71 380.86 33.04 -1.76	
180.00 -3.03 -1.22 0.00 -16.13 0.00 16.13 849.68 224.86 397.66 367.28 33.79 -1.79	
182.00 -2.94 -1.17 0.00 -13.70 0.00 13.70 838.38 219.54 379.06 353.74 34.55 -1.80	
184.00 -2.85 -1.13 0.00 -11.36 0.00 11.36 826.65 214.21 360.90 340.26 35.31 -1.8	18 0.000 0.037
186.00 -2.77 -1.08 0.00 -9.10 0.00 9.10 814.50 208.89 343.18 326.85 36.07 -1.83	28 0.000 0.031
188.00 -2.68 -1.04 0.00 -6.94 0.00 6.94 801.91 203.57 325.91 313.52 36.84 -1.83	
190.00 -2.60 -1.00 0.00 -4.86 0.00 4.86 788.90 198.24 309.09 300.29 37.61 -1.84	41 0.000 0.019

Calculated Forces

0.00

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

196.00

0.00

-0.02

0.00

0.00

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

0.00

Gh: Topography: 1 Struct Class: || Page: 74 1.1 192.00 -2.52 -0.96 0.00 -2.860.00 2.86 775.47 192.92 292.71 287.17 38.38 -1.8460.000 0.013 0.00 194.00 -2.44 -0.92 0.00 -0.94 0.94 761.60 187.60 276.78 274.17 39.15 -1.8480.000 0.007 195.00 -0.04 -0.02 0.00 -0.02 0.00 0.02 754.51 268.98 267.73 -1.848 0.000 0.000 184.94 39.54

747.31

182.27

261.31

261.30

0.000

0.000

-1.848

39.93

Final Analysis Summary

Structure: CT00595-S-SBA **Code:** TIA-222-H 3/18/2022

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: II Page: 75



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 128 mph Wind	59.9	0.00	72.34	0.00	0.00	7374.07
•						
0.9D + 1.0W 128 mph Wind	59.9	0.00	54.25	0.00	0.00	7279.01
1.2D + 1.0Di + 1.0Wi 50 mph Wind	12.4	0.00	99.10	0.00	0.00	1583.36
1.0D + 1.0W 60 mph Wind	11.8	0.00	60.32	0.00	0.00	1440.90

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 128 mph Wind	-72.34	-59.90	0.00	-7374.0	0.00	-7374.0	5795.46	1682.9	8909.80	7510.36	0.00	0.996
0.9D + 1.0W 128 mph Wind	-54.25	-59.89	0.00	-7279.0	0.00	-7279.0	5795.46	1682.9	8909.80	7510.36	0.00	0.980
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-99.10	-12.37	0.00	-1583.3	0.00	-1583.3	5795.46	1682.9	8909.80	7510.36	0.00	0.228
1.0D + 1.0W 60 mph Wind	-60.32	-11.77	0.00	-1440.9	0.00	-1440.9	5795.46	1682.9	8909.80	7510.36	0.00	0.202

Base Plate Summary

Structure: CT00595-S-SB **Code:** TIA-222-H 3/18/2022

Site Name:Stonington EastExposure:CHeight:196.00 (ft)Crest Height:0.00

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

Gh: 1.1 Topography: 1 Struct Class: II Page: 76



243.75 0.82

Allowable (kip):

Ratio:

Reactions	S	Base Pla	ate	Anchor Bolts		
Original Design		Yield (ksi):	60.00	Bolt Circle:	72.76	
Moment (kip-ft):	5768.00	Width (in):	78.76	Number Bolts:	24.00	
Axial (kip):	59.50	Style:	Polygon	Bolt Type:	2.25" 18J	
Shear (kip):	46.30	Polygon Sides:	12.00	Bolt Diameter (in):	2.25	
Analysis (1.2D +	- 1 ()\/\)	Clip Length (in):	0.00	Yield (ksi):	75.00	
Moment (kip-ft):	7374.07	Effective Len (in):	13.07	Ultimate (ksi):	100.00	
Axial (kip):	7374.07	Moment (kip-in):	901.01	Arrangement:	Radial	
Shear (kip):	59.90	Allow Stress (ksi):	81.00	Cluster Dist (in):	0.00	
Ollear (KIP).	39.90	Applied Stress (ksi):	66.42	Start Angle (deg):	0.00	
		Stress Ratio:	0.82	Compress	sion	
				Force (kip):	205.71	
				Allowable (kip):	268.39	
				Ratio:	0.77	
				Tension		
				Force (kip):	199.68	



Manapala Mat Foundation Design							
Monopole Mat Foundation Design							
Customer Name: Verizon TIA Standard:							
Site Name:		Structure Height (Ft.):	196				
Site Number:	CT00595-S-SBA	Engineer Name:	J. Tibbetts				
Engr. Number:	126181	Engineer Login ID:					

Foundation Info Obtained from:		rawings/Calculations			
Structure Type:		Monopole			
Analysis or Design?		Analysis			0.00
Base Reactions (Factored):					
Axial Load (Kips):	72.3	Shear Force (Kips):	59.9		10 # 5
Uplift Force (Kips):	0.0	Moment (Kips-ft):	7374.1		99.0 , 32 # 11
					32 # 11
Foundation Geometries:					9.0 //32 # 11
		Mods required -Yes/No ?:	No		32 # 11
Diameter of Pier (ft.):	8.0	Depth of Base BG (ft.):	9.0		○ ○ ○ ○ ○ ○ ○ ○
Pier Height A. G. (ft.):	0.50	Thickness of Pad (ft):	3.50		3.50
Length of Pad (ft.):	25	Width of Pad (ft.):	25		
					25.0
Final Length of pad (ft)	25.0	Final width of pad (ft):	25.0		0.0
,		. , ,			
Material Properties and Reabr Info	<u>:</u>				8.0
Concrete Strength (psi):	4000	Steel Elastic Modulus:	29000	ksi	
Vertical bar yield (ksi)	60	Tie steel yield (ksi):	60		25.0
Vertical Rebar Size #:	11	Tie / Stirrup Size #:	5		25.0 W
Qty. of Vertical Rebars:	42	Tie Spacing (in):	12.0		
Pad Rebar Yield (Ksi):	60	Pad Steel Rebar Size (#):	11		42 # 11
Concrete Cover (in.):	3	Unit Weight of Concrete:	150.0	pcf	f
Rebar at the bottom of the concrete	pad:	· ·			0.0
Qty. of Rebar in Pad (L):	32	Qty. of Rebar in Pad (W):	32		0.0
Rebar at the top of the concrete page	d:				25.0 L
Qty. of Rebar in Pad (L):	32	Qty. of Rebar in Pad (W):	32		
Apply 1.35 factor for e/w Per G:	1.35				
Soil Design Parameters:					
Soil Unit Weight (pcf):	110.0	Soil Buoyant Weight:	50.0	Pc	Pcf
Water Table B.G.S. (ft):	99.0	Unit Weight of Water:	62.4	рс	ocf Angle from Top of Pad: 30
Ultimate Bearing Pressure (psf):	16000	Ultimate Skin Friction:	0	Ps	Psf Angle from Bottm of Pad: 25
Consider Friction for O.T.M. (Y/N):	No	Consider Friction for bearing			No Angle from Bottm of Pad: 25
Consider soil hor. resist. for OTM.:	No	Reduction factor on the ma	aximum soil	bearin	ing pressure: 1.00
Foundation Analysis and Design:	Uplift Str	ength Reduction Factor:	0.75	Com	Impression Strength Reduction Factor: 0.75
Total Dry Soil Volume (cu. Ft.):	·		3161.04		tal Dry Soil Weight (Kips): 347.71
Total Buoyant Soil Volume (cu. 1	-t.):		0.00		tal Buoyant Soil Weight (Kips): 0.00
Total Effective Soil Weight (Kips			347.71	Wei	eight from the Concrete Block at Top (K): 0.00
Total Dry Concrete Volume (cu.	Ft.):		2489.09	Tota	tal Dry Concrete Weight (Kips): 373.36
Total Buoyant Concrete Volume			0.00		tal Buoyant Concrete Weight (Kips): 0.00
Total Effective Concrete Weight	(Kips):		373.36	Tota	tal Vertical Load on Base (Kips): 793.38
Check Soil Capacities:					Load/ Capacity Ratio
Calculated Maxium Net Soil Pressur		" '	6362	<	< Allowable Factored Soil Bearing (psf): 12000 0.53 OK!
Allowable Foundation Overturning I			9015.9		> Design Factored Momont (kips-ft): 7943 0.88 OK!
Factor of Safety Against Overturning	g (O. R. M	oment/Design Moment):	1.14	OK	DK!

TES Engr. Number: 126181 Page 2/2 Date: 3/18/2022

	capacities of Reinforceing Concrete:		۵.				
•	duction factor (Flexure and axial tension):	0.90	,	gth reduction factor (Shear):	0.75		
Strength re	duction factor (Axial compresion):	0.65	Wind	Load Factor on Concrete Design:	1.00	Load/	
(1) Concret	te Pier:					Capacity Ratio	
(2) 00	Vertical Steel Rebar Area (sq. in./each):	1.56		Tie / Stirrup Area (sq. in./each):	0.31		
	Calculated Moment Capacity (Mn,Kips-Ft):	12376.5	>	Design Factored Moment (Mu, Kips-F	7733.5	0.62	OK!
	Calculated Shear Capacity (Kips):	924.8	>	Design Factored Shear (Kips):	59.9	0.06	OK!
	Calculated Tension Capacity (Tn, Kips):	3538.1	>	Design Factored Tension (Tu Kips):	0.0	0.00	OK!
	Calculated Compression Capacity (Pn, Kips):	12681.4	>	Design Factored Axial Load (Pu Kips):	72.3	0.01	OK!
	Moment & Axial Strength Combination:	0.62	OK!		, 2.15	1	OK!
	Pier Reinforcement Ratio:	0.009	O.K.	Reinforcement Ratio is satisfied per A	CI	_	0.11.
	Test them of certificate them.	0.005		,			
(2).Concret	te Pad:						
	One-Way Design Shear Capacity (L-Direction, Kips):	1090.4	>	One-Way Factored Shear (L-D. Kips):	436.6	0.40	OK!
	One-Way Design Shear Capacity (W-Direction, Kips):	1090.4	>	One-Way Factored Shear (W-D., Kips)	436.6	0.40	OK!
	One-Way Design Shear Capacity (Corner-Corner. Kips):	914.6	>	One-Way Factored Shear (C-C, Kips):	429.9	0.47	OK!
	Lower Steel Pad Reinforcement Ratio (L-Direct.):	0.0043	OK!	Lower Steel Pad Reinf. Ratio (W-Direc	0.0043		
	Lower Steel Pad Moment Capacity (L-Direction. Kips-ft):	8276.7	>	Moment at Bottom (L-Dir. K-Ft):	2263.5	0.27	OK!
	Lower Steel Pad Moment Capacity (W-Direction. Kips-ft):	8276.7	>	Moment at Bottom (W-Dir. K-Ft):	2263.5	0.27	OK!
	Lower Steel Pad Moment Capacity (Corner-Corner, K-ft):	11568.6	>	Moment at Bottom (C-C Dir. K-Ft):	3201.0	0.28	OK!
	Upper Steel Pad Reinforcement Ratio (L-Direct.):	0.0043	OK!	Upper Steel Reinf. Ratio (W-Dir.):	0.0043		
	Upper Steel Pad Moment Capacity (L-Direc. Kips-ft):	8276.7	>	Moment at the top (L-Dir K-Ft):	1078.9	0.13	OK!
	Upper Steel Pad Moment Capacity (W-Direc. Kips-ft):	8276.7	>	Moment at the top (W-Dir K-Ft):	1078.9	0.13	OK!
	Upper Steel Pad Moment Capacity (Corner-Corner. K-ft):	11568.6	>	Moment at the top (C-C Dir. K-Ft):	1019.0	0.09	OK!
(2) Chack E	funching Shear Capacity due to Moment in the Pier:						
(5).CHECK P	Moment transferred by punching shear:	2949.6	k-ft.	Max. factored shear stress v _{u CD} :		5.8	Psi
	Max. factored shear stress v _{u. AB} :	12.7	Psi	Factored shear Strength φν _n :		189.7	Psi
	Max. factored shear stress v _u :	12.7	Psi	Check Usage of Punching Shear Ca	nacity:	0.07	OK!
	wax. ractored stream stress v _u .	12.7	1 31	check osage of Fullething Shear ca	oucity.	0.07	OIX:
(4).Check B	ending Capacity of the Pad Within the Effective Slab Width:						
	Overturning moment to be transferred by flexure:	2212.2	k-ft.	Effective Width for resisting OT mome	nt:	18.5	ft.
	Calculated number of Rebar in Effective width:	24		Actual number of Rebar in Effective wi		13	
	Steel Pad Moment Capacity (L-Direc. Kips-ft):	3422.8	k-ft.	Check Usage of the Flexure Capacit	v:	0.65	OK!
	. , ,			3	,		





Maser Consulting Connecticut 2000 Midlantic Drive, Suite 100 Mt. Laurel, NJ 08054 (856) 797-0412 Peter.Albano@Colliersengineering.com

Post-Modification Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10108863 Maser Consulting Connecticut Project #: 21777818A (Rev. 2)

January 19, 2022

Site Information

Site ID:

469139-VZW / NE STONINGTON EAST

Site Name:

NE STONINGTON EAST

Carrier Name:

Verizon Wireless 86 Voluntown Rd

Address:

Stonington, Connecticut 06379

New London County

Latitude:

41.405539°

Longitude:

-71.845244°

Structure Information

Tower Type:

195-Ft Monopole

Mount Type:

12.50-Ft Platform

FUZE ID # 16142480

Analysis Results

Platform: 86.8% Pass w/ Modifications*

*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: Andy Hanes

Executive Summary:

The objective of this report is to summarize the analysis results of the antenna support mount including the proposed modifications at the subject facility for the final wireless telecommunications configuration, per the applicable codes and standards.

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: 324928, dated October 6, 2021
Mount Mapping	High Tower Solutions Site ID: 469139, dated April 28, 2020
Previous Mount Analysis Report	Maser Consulting Connecticut Project #: 21777818A, Rev. 1, dated October 11, 2021
Mount Modification Drawings	Maser Consulting Connecticut Project #: 21777818A, Rev. 2, dated January 19, 2022

Analysis Criteria:

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

Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), VULT:	128 mph
------------------	--	---------

Ice Wind Speed (3-sec. Gust): 50 mph Design Ice Thickness: 1.00 in Risk Category: Ш Exposure Category: В Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, Ke: 0.998

Seismic Parameters: S_S: 0.184

S₁: 0.052

Maintenance Parameters: Wind Speed (3-sec. Gust): 30 mph

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

Analysis Software: RISA-3D (V17)

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status								
	138.00	3	Samsung	XXDWMM-12.5-65									
		6	JMA Wireless	MX06FRO660-03									
130.00	139.00 140.00 3	140.00	140.00	140.00	140.00	140.00	140.00	140.00	140.00	3	Samsung	RF4439d-25A	Added
139.00 140.00		3	Samsung	RF4440d-13A									
		1	Raycap	RVZDC-6627-PF-48									
	141.50	3	Samsung	MT6407-77A	Added								

The recent mount mapping did not report existing OVP units. However, 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.

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 Maser Consulting Connecticut and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. Any deviation from the loading locations specified in this report shall be communicated to Maser Consulting Connecticut to verify deviation will not adversely impact the analysis.
- 2. Mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

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

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

- 3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped by Maser Consulting Connecticut, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.
- 4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.
- 5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.
- All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Maser Consulting Connecticut is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.

7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:

Channel, Solid Round, Angle, Plate
 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

8. Any mount modifications listed under Sources of Information are assumed to have been installed per the design specifications.

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

Analysis Results:

Component	Utilization %	Pass/Fail
Connection Check	86.8 %	Pass
Face Horizontal	16.1 %	Pass
Standoff Horizontal	40.7 %	Pass
Platform Crossmember	19.7 %	Pass
Mount Pipe	46.7 %	Pass
Corner Plate	18.0 %	Pass
Grating Support	16.3 %	Pass
Cross Arm Plate	40.6 %	Pass
Support Rail	18.9 %	Pass
Support Rail Corner Angle	28.6 %	Pass
MOD Threaded Rods	70.1 %	Pass

ating – (Controlling Utilization of all Components) 86.8%

BASELINE mount weight per SBA agreement: 1396.64 lbs

Increase in mount weight due to Verizon loading change per SBA agreement: 661.00 lbs

The weights listed above include 3 sectors.

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

Ice	Mount Pipe	s Excluded	Mount Pipes Included				
Thickness (In)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)			
0	25.0	24.9	40.2	40.1			
0.5	32.6	32.4	54.3	53.9			
1	39.7	39.4	67.8	67.3			

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 sectors.
- Ka factors included in (EPA)a calculations

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Requirements:

The existing mount will be **SUFFICIENT** for the final loading configuration (attachment 2) after the modifications detailed in attachment 3 are successfully completed.

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

Attachments:

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

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

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

PSLC #: 469139 SMART Project #: 10108863 Fuze Project ID: 16142480

<u>Purpose</u> – to upload the proper documentation to the SMART Tool in order to allow the SMART Tool engineering vendor 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 modification was completed in accordance with the modification drawings.
- Contractor shall relay any data that can impact the performance of the mount or the mount modification, this includes safety issues.

Base Requirements:

- If installation of the modification 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 drawings" showing contractor's name, 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 post-modification passing mount analysis (MA) contact the SMART Tool vendor immediately.
- Each photo shall be time and date stamped.
- Photos should be high resolution.
- Contractor shall ensure that the safety climb wire rope is 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 of the modifications.
 - Photos of the mount after installation of the modifications; if the mounts are at different rad elevations, pictures must be provided for all elevations that the modifications were installed
- Photos taken at Mount Elevation

- Photos showing the safety climb wire rope above and below the mount prior to modification.
- o Photos showing the climbing facility and safety climb if present.
- Photos showing each individual sector after installation of modifications. Each entire sector must 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.
- Photos of each installed modification per the modification drawings; pictures shall also include connection hardware (U-bolts, bolts, nuts, all-threaded rods, etc.)
- Photos showing the distances (relative distance between collars) of the installed modifications from the appropriate reference locations shown in the modification drawings.
- Photos showing the installed modifications onto the tower (i.e. ring/collar mounts, tie-backs, V-bracing kits, etc.); if the existing mount elevation needs to be changed according to the modification drawings, an elevation measurement shall be provided before the elevation change.

Material Certification:

- Materials utilized must be as per specification on the drawings or the equivalent as validated by the SMART Tool vendor.
 - If the materials are as specified on the drawings
 - The contractor shall provide the packing list, or the materials certifications for the materials utilized to perform the mount modification
 - Commscope, Metrosite, Perfect Vision, Sabre, and Site Pro have all agreed to support Verizon vendors with the necessary material certifications
 - If seeking permission to use an equivalent
 - It is required that the SMART Tool engineering vendor approval of such is included in the contractor submission package. There may be an additional charge for approval if the equivalent submission doesn't meet specifications as prescribed in the drawings.

\square All hardware has been properly installed, and the existing hardware was inspected.
\Box The material utilized was as specified on the SMART Tool engineering vendor Mount Modification Drawings and included in the material certification folder is a packing list or invoice for these materials.
OR
☐ The material utilized was approved by a SMART Tool engineering vendor as an "equivalent" and this approval is included as part of the contractor submission.

Antenna & Equipment Placement and Geometry Confirmation:

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	e contractor certifies that the photos support and the equipment on the mount is as depicted on etch and table included in this form and with the mount analysis provided.
	OR
	e contractor notes that the equipment on the mount is not in accordance with the sketch and has the differences below and provided photo documentation of any alterations.
Comments:	
Was the mo	unt modification completed in conjunction with the equipment change / installation?
□Ye	s 🗆 No
Special Insti	uctions / Validation as required from the MA or Mod Drawings:
Issue:	hall install proposed OVP on the proposed OVP pipe on the standoff between beta/gamma sectors.
	, Samuel 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
1	hall install the proposed RF4440d-13A radio on the back pipe in position 1 on gamma sector 24" he top of the pipe.
Response:	
Special Inst	uction Confirmation:
☐ Tł	e contractor has read and acknowledges the above special instructions.
Comments:	
Contractor of	ertifies that the climbing facility / safety climb was not damaged prior to starting work:
□Ye	s 🗆 No
Contractor of	ertifies no new damage created during the current installation:
□Ye	s 🗆 No

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Contractor to certify the condition of	the safety climb and verify no damage when leaving the site:
☐ Safety Climb in Good Condi	tion ☐ Safety Climb Damaged
Comments:	
Certifying Individual:	
Company:	
Employee Name:	
Contact Phone:	
Email:	
Date:	

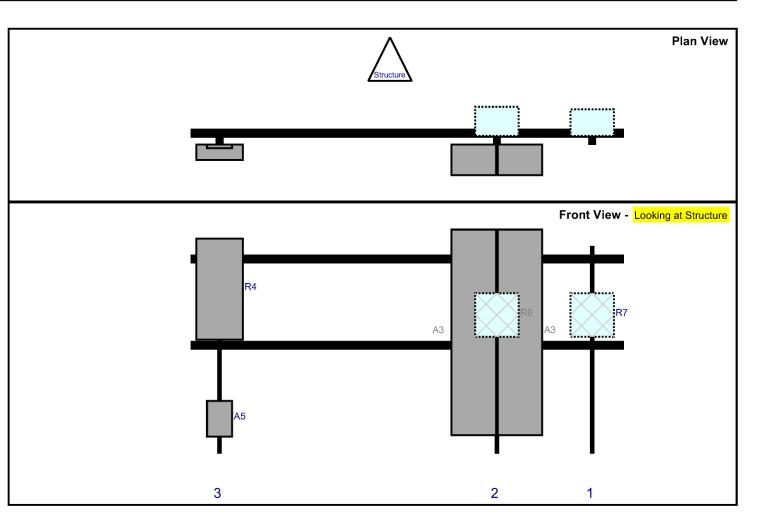
Structure: 469139-VZW - NE STONINGTON EAST

Sector: **A** 1/17/2022

Structure Type: Monopole 10108863

Mount Elev: 139.00 Page: 1





		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
R7	RF4440d-13A	15	15	139	1	а	Behind	24	0	Added	
A8	RVZDC-6627-PF-48	29.5	16.5	139	1	а	Front	24	0	Added	
A3	MX06FRO660-03	71.3	15.4	106	2	а	Front	30	8	Added	
А3	MX06FRO660-03	71.3	15.4	106	2	b	Front	30	-8	Added	
R6	RF4439d-25A	15	15	106	2	а	Behind	24	0	Added	
A5	XXDWMM-12.5-65	12.3	8.7	10	3	а	Front	60	0	Added	
R4	MT6407-77A	35.1	16.1	10	3	а	Front	15	0	Added	
M103	RVZDC-6627-PF-48	29.5	16.5		Memb	er				Added	

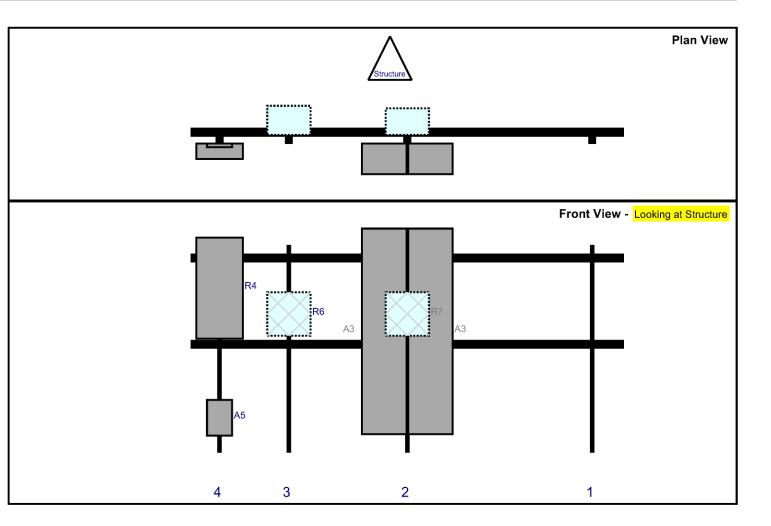
Structure: 469139-VZW - NE STONINGTON EAST

Sector: **B** 1/17/2022

Structure Type: Monopole 10108863

Mount Elev: 139.00 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
A3	MX06FRO660-03	71.3	15.4	75	2	а	Front	30	8	Added	
A3	MX06FRO660-03	71.3	15.4	75	2	b	Front	30	-8	Added	
R7	RF4440d-13A	15	15	75	2	а	Behind	24	0	Added	
R6	RF4439d-25A	15	15	34	3	а	Behind	24	0	Added	
A5	XXDWMM-12.5-65	12.3	8.7	10	4	а	Front	60	0	Added	
R4	MT6407-77A	35.1	16.1	10	4	а	Front	15	0	Added	

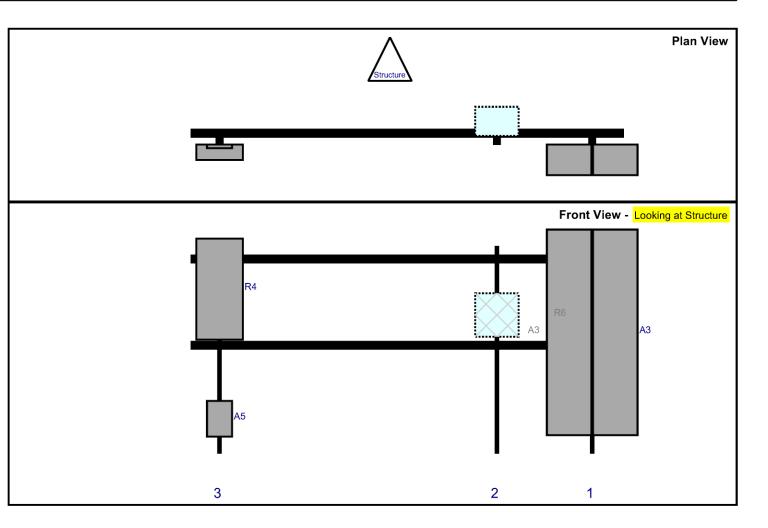
Structure: 469139-VZW - NE STONINGTON EAST

Sector: **C** 1/17/2022

Structure Type: Monopole 10108863

Mount Elev: 139.00 Page: 3





		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
A3	MX06FRO660-03	71.3	15.4	139	1	а	Front	30	8	Added	
A3	MX06FRO660-03	71.3	15.4	139	1	b	Front	30	-8	Added	
R6	RF4439d-25A	15	15	106	2	а	Behind	24	0	Added	
A5	XXDWMM-12.5-65	12.3	8.7	10	3	а	Front	60	0	Added	
R4	MT6407-77A	35.1	16.1	10	3	а	Front	15	0	Added	



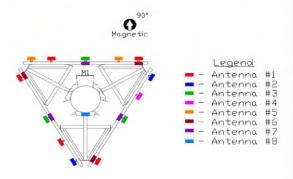


48.4



FCC# **Antenna Mount Mapping Form (PATENT PENDING)** 1051828 SBA Towers Tower Owner: 4/28/2020 NE STONINGTON EAST Site Name: Tower Type: Monopole 469139 Tower Height (Ft.): Site Number or ID: High Tower Solutions Mount Elevation (Ft.): Mapping Contractor:

This antenna mapping form is the property of TES and under PATENT PENDING. The formation contained herein is considered confidential in nature and is to be used only for the specific customer it was intended for. Reproduction, transmission, publication, modification or disclosure by any method is prohibited except by express written permission of TES. All means and methods are the responsibility of the contractor and the work shall be compliant with ANSI/ASSE A 10.48, OSHA, FCC, FAA and other safety requirements that may apply. TES is not warrantying the usability of the safety climb as it must be assessed prior to each use in compliance with OSHA requirements.



Sector / Position	Mount Pipe Size & Length	yertical Offset Offset "C1, Dimension "U" (C2, C3, etc." Position Offset "C1)		Offset Offset "C1, imension C2 C3 etc." Position Mount Pipe Size & Length Dimensi	L Sector / Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc.'
A1	8'Tx2.38"Dia.Pipe x.15"	60.00	10.00	C1	8'Tx2.38"Dia.Pipe x.15"	60.00	10.00
A2	6'Tx2.38"Dia.Pipe x.15"	34.50	34.00	C2	6'Tx2.38"Dia.Pipe x.15"	34.50	74.00
A3	6'Tx2.38"Dia.Pipe x.15"	34.50	75.00	C3	6'Tx2,38"Dia.Pipe x.15"	34.50	106.00
A4	6'Tx2.38"Dia.Pipe x.15"	34.50	115.00	C4	6'Tx2.38"Dia.Pipe x.15"	34.50	139.00
A5	6'Tx2.38"Dia.Pipe x.15"	34.50	139.00	C5			
A6				C6			
B1	8'Tx2.38"Dia.Pipe x.15"	60.00	10.00	D1			
B2	6'Tx2.38"Dia.Pipe x.15"	34.50	74.00	D2			
В3	6'Tx2.38"Dia.Pipe x.15"	34.50	106.00	D3			
B4	6'Tx2.38"Dia.Pipe x.15"	34.50	139.00	D4			
B5				D5			
B6				D6			

Please enter additional infomation or comments below.

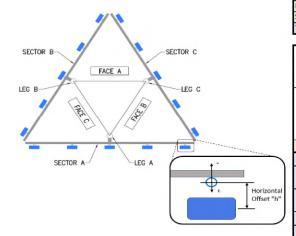
Ant.8 = 141'4" Base|Racap Squid|RRFDC-3315-PF-48|19"Tx15"Wx10"D| 1 per 270*|1 QTY 1.55"|pic.#701

M1 = 18.25" (Measurements of Gap at All-Threads)

Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.)

See sketch for details.

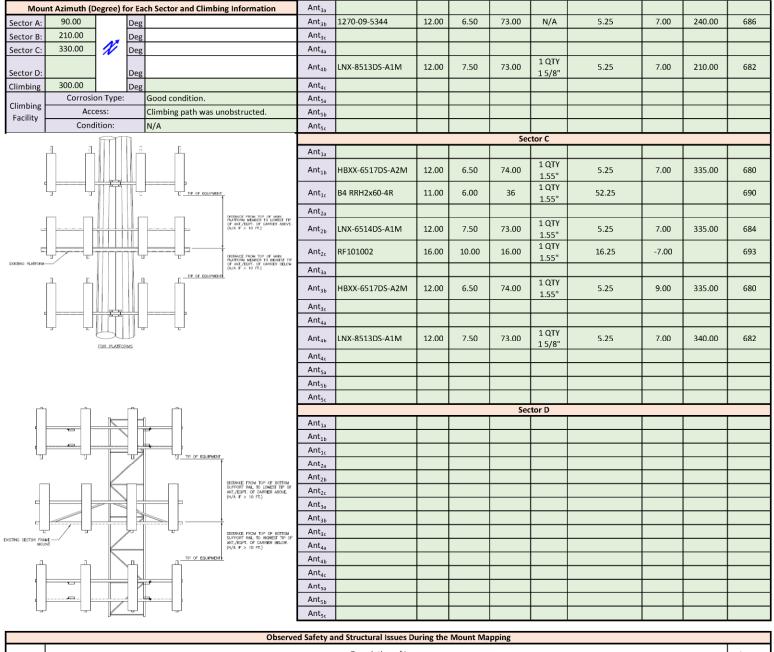
Tower Face Width at Mount Elev. (ft.): Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):



Antia	Ant2a	Ant3a	Ant4a	Antsa
Antıь	Ant2b	Аптзь	Ant4b	Ants _b
did bid	42 28	2 2	\$ \$	<u> </u>
- i	#80	2	ž	
Antic	Ant2c	Ant3c	Ant4c	Ant5c
C2	C3			
	C4	-	_	

	Enter antenna mo	Mountin [Units are inc		Photos of antennas					
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Vertical Distances"b _{1a} , b _{2a} , b _{3a} , b _{1b} " (In.)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
				Sec	tor A				
Ant _{1a}									
Ant _{1b}	HBXX-6517DS-A2M	12.00	6.50	74.00	1 QTY 1.55"	5.25	9.00	110.00	680
Ant _{1c}	B4 RRH2x60-4R	11.00	6.00	36	1 QTY 1.55"	34.25			690
Ant _{2a}									
Ant _{2b}	Panel	9.50	8.00	47.00	1 QTY 1 5/8"	12.25	9.00	95.00	688
Ant _{2c}									
Ant _{3a}									
Ant _{3b}	LNX-6514DS-A1M	12.00	7.50	73.00	1 QTY 1.55"	5.25	7.00	110.00	684
Ant _{3c}	RF101002	16.00	10.00	16.00	1 QTY 1.55"	16.25	-7.00		693
Ant _{4a}									
Ant _{4b}	HBXX-6517DS-A2M	12.00	6.50	74.00	1 QTY 1.55"	5.25	9.00	120.00	680
Ant _{4c}									
Ant _{5a}									
Ant _{5b}	Panel	9.50	8.00	47.00	1 QTY 1 5/8"	12.25	9.00	95.00	688
Ant _{5c}									
				Sec	tor B				
Ant _{1a}									
Ant _{1b}	HBXX-6517DS-A2M	12.00	6.50	74.00	1 QTY 1.55"	5.25	7.00	230.00	680
Ant _{1c}	B4 RRH2x60-4R	11.00	6.00	36	1 QTY 1.55"	34.25			690
Ant _{2a}									
Ant _{2b}	LNX-6514DS-A1M	12.00	7.50	73.00	1 QTY 1.55"	5.25	7.00	230.00	684
Ant _{2c}	RF101002	16.00	10.00	16.00	1 QTY 1.55"	16.25	-7.00		693

Antenna Layout



	Observed Safety and Structural Issues During the Mount Mapping									
Issue #	Description of Issue	Photo #								
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.
- 3. Please create all required detail sketches of the mounts and insert them into the "Sketches" tab.
- 4. Please measure and enter the bolt sizes and types under the Members Box in the spreadsheet of the mount type.

- 5. Take and label the photos of the tower, mounts, connections, antennas and all measurements. Minimum 50 photos are required.6. Please measure and report the size and length of all existing antenna mounting pipes.7. Please measure and report the antenna information for all sectors.

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

Standard Conditions

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



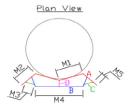
Antenna Mount Mapping Form (PATENT PENDING)

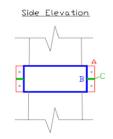
FCC #

Tower Owner:	SBA Towers	Mapping Date:	4/28	/2020
Site Name:	NE STONINGTON EAST	Tower Type:	Mon	opole
Site Number or ID:	469139	Tower Height (Ft.):		
Mapping Contractor:	High Tower Solutions	Mount Elevation (Ft.):	13	8'6"

This antenna mapping form is the property of TES and under PATENT PENDING. The formation contained herein is considered confidential in nature and is to be used only for the specific customer it was intended for. Reproduction, transmission, publication, modification or disclosure by any method is prohibited except by express written permission of TES. All means and methods are the responsibility of the contractor and the work shall be compliant with ANSI/ASSE A 10.48, OSHA, FCC, FAA and other safety requirements that may apply. TES is not warrantying the usability of the safety climb as it must be assessed prior to each use in compliance with OSHA requirements.

Please Insert Sketches of the Antenna Mount



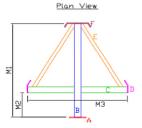


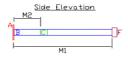
Label	Member Size	Bolt Size
Α	10"Tx.5" Flat	375"All-Threads
В	16"Lx10"x4.75"x.38" Channel	Welded
С	6"Lx2.5"Wx.38" Flat	Welded
D	10"Tx4"Wx.38" Flat	Welded
M1	7"	
M2	8"	
M3	6"	
M4	16"	
M5	2.5"	

Front Elevation



Label	Member Size	Bolt Size
Α	12'6"Lv3 5"Dia Pine v 20"	1- 5"U-Bolt

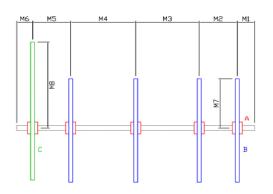






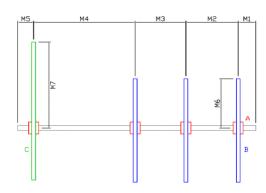
Label	Member Size	Bolt Size
Α	10"Tx10"Wx.62" Flat	462"Bolts
В	5'2"Lx4"Sq.Tube x.260"	Welded
С	2'4.5"Lx4"Sq.Tube x.262"	Welded
D	6"Tx.38" Flat	Welded
E	4'4"Lx2"x2"x.20" Angle	Welded
F	6"Tx.5" Flat	Welded
M1	5'2.5"	
M2	15.5"	
M3	5'1"	
M4	5"	
M5	3.5"	
M6	12.5"	
M7	3"	

<u>Front Elevation</u> Alpha Pipe Mount



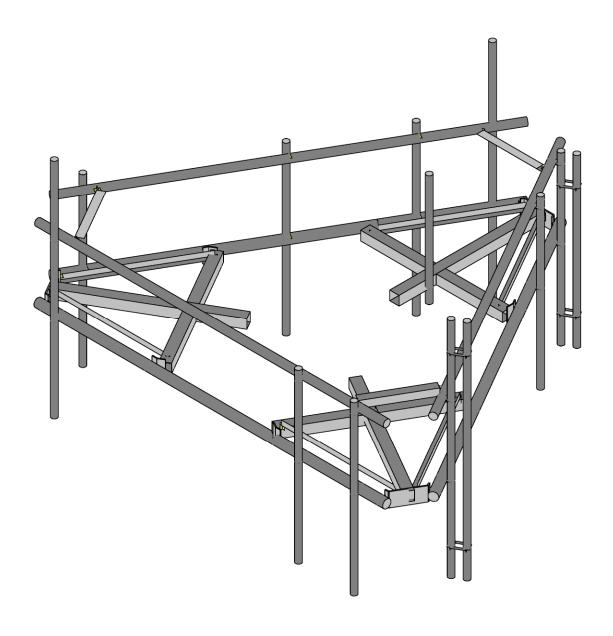
Label	Member Size	Bolt Size
Α	8.25"Tx6.25"x2.5"x.38" Channel	25"U-Bolts
В	6'Tx2.38"Dia.Pipe x.15"	25"U-Bolts
С	8'Tx2.38"Dia.Pipe x.15"	25"U-Bolts
M1	11"	
M2	2'	
M3	3'4"	
M4	3'5"	
M5	2'	
M6	10"	
M7	2'10.5"	
M8	5'	

<u>Front Elevation</u> Beta & Gamma Pipe Mount



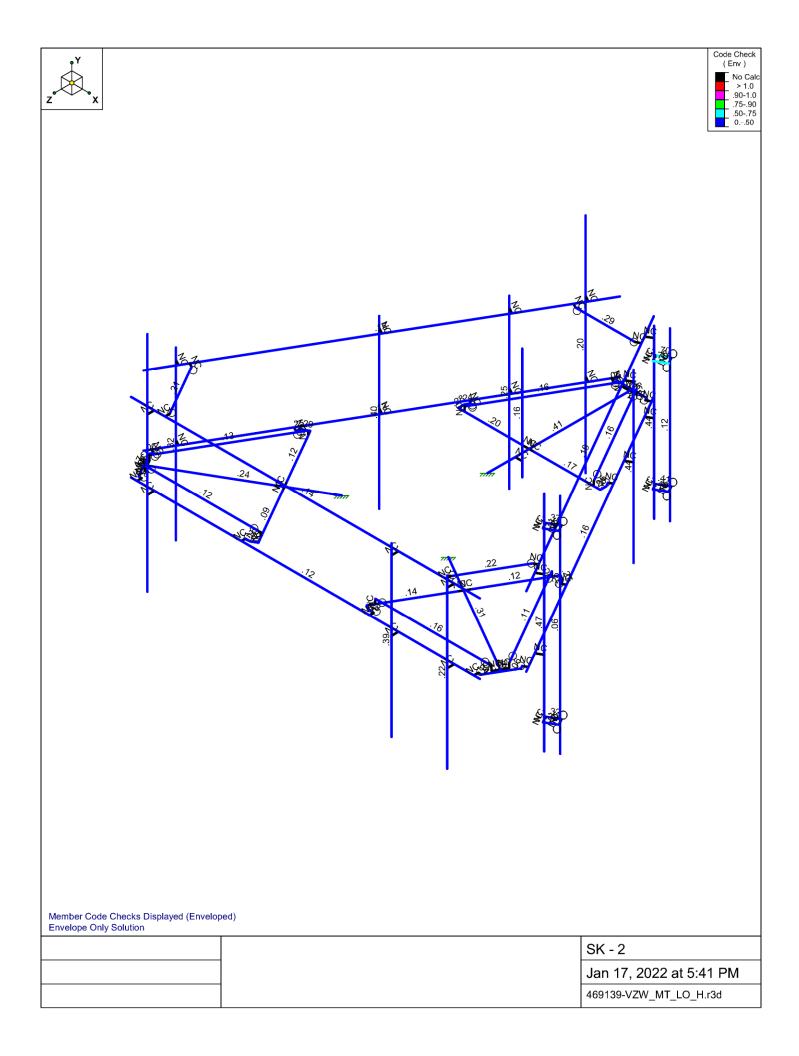
Label	Member Size	Bolt Size
Α	8.25"Tx6.25"x2.5"x.38" Channel	25"U-Bolts
В	6'Tx2.38"Dia.Pipe x.15"	25"U-Bolts
С	8'Tx2.38"Dia.Pipe x.15"	25"U-Bolts
M1	11"	
M2	2'9"	
M3	2'8"	
M4	5'4"	
M5	10"	
M6	2'10.5"	
M7	5'	

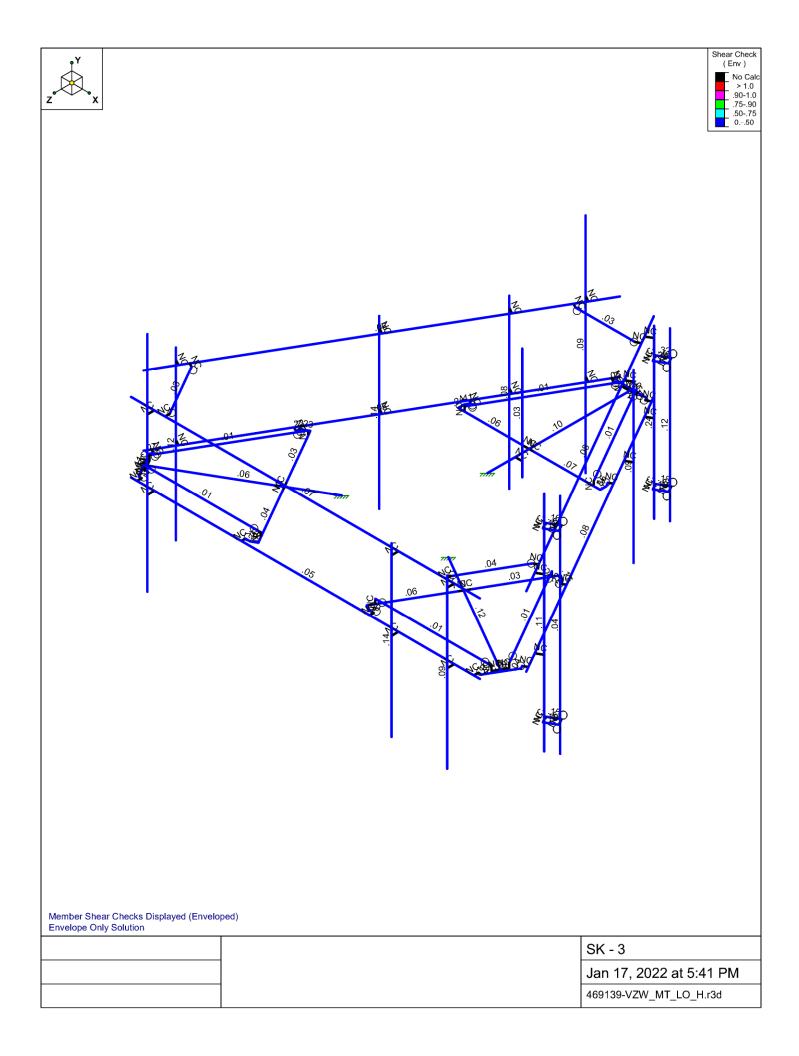




Envelope Only Solution

	SK - 1
	Jan 17, 2022 at 5:41 PM
	469139-VZW_MT_LO_H.r3d





Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me	Surface(P
1	Antenna D	None			·		84		,	,
2	Antenna Di	None					84			
3	Antenna Wo (0 Deg)	None					84			
4	Antenna Wo (30 Deg)	None					84			
5	Antenna Wo (60 Deg)	None					84			
6	Antenna Wo (90 Deg)	None					84			
7	Antenna Wo (120 Deg)	None					84			
8	Antenna Wo (150 Deg)	None					84			
9	Antenna Wo (180 Deg)	None					84			
10	Antenna Wo (210 Deg)	None					84			
11	Antenna Wo (240 Deg)	None					84			
12	Antenna Wo (270 Deg)	None					84			
13	Antenna Wo (300 Deg)	None					84			
14	Antenna Wo (330 Deg)	None					84			
15	Antenna Wi (0 Deg)	None					84			
16	Antenna Wi (30 Deg)	None					84			
17	Antenna Wi (60 Deg)	None					84			
18	Antenna Wi (90 Deg)	None					84			
19	Antenna Wi (120 Deg)	None					84			
20	Antenna Wi (150 Deg)	None					84			
21	Antenna Wi (180 Deg)	None					84			
22	Antenna Wi (210 Deg)	None					84			
23	Antenna Wi (240 Deg)	None					84			
24	Antenna Wi (270 Deg)	None					84			
25	Antenna Wi (300 Deg)	None					84			
26	Antenna Wi (330 Deg)	None					84			
27	Antenna Wm (0 Deg)	None					84			
28	Antenna Wm (30 Deg)	None					84			
29	Antenna Wm (60 Deg)	None					84			
30	Antenna Wm (90 Deg)	None					84			
31	Antenna Wm (120 Deg)	None					84			
32	Antenna Wm (150 Deg)	None					84			
33	Antenna Wm (180 Deg)	None					84			
34	Antenna Wm (210 Deg)	None					84			
	Antenna Wm (240 Deg)	None					84			
36	Antenna Wm (270 Deg)	None					84			
37	Antenna Wm (300 Deg)	None					84			
38	Antenna Wm (330 Deg)	None					84			
39	Structure D	None		-1					3	
40	Structure Di	None						66	3	
41	Structure Wo (0 Deg)	None						132		
42	Structure Wo (30 Deg)							132		
43	Structure Wo (60 Deg)							132		
44	Structure Wo (90 Deg)							132		
45	Structure Wo (120 D	None						132		
46	Structure Wo (150 D	None						132		
47	Structure Wo (180 D	None						132		
48	Structure Wo (210 D	None						132		
49	Structure Wo (240 D	None						132		
50	Structure Wo (270 D	None						132		
51	Structure Wo (300 D	None						132		
52	Structure Wo (330 D	None						132		
53	Structure Wi (0 Deg)	None						132		
54	Structure Wi (30 Deg)	None						132		
55	Structure Wi (60 Deg)	None						132		
56	Structure Wi (90 Deg)	None						132		



Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me	Surface(P
57	Structure Wi (120 De	None			,			132	,	,
58	Structure Wi (150 De	None						132		
59	Structure Wi (180 De	None						132		
60	Structure Wi (210 De	None						132		
61	Structure Wi (240 De	None						132		
62	Structure Wi (270 De	None						132		
63	Structure Wi (300 De	None						132		
64	Structure Wi (330 De	None						132		
65	Structure Wm (0 Deg)	None						132		
66	Structure Wm (30 De	None						132		
67	Structure Wm (60 De	None						132		
68	Structure Wm (90 De	None						132		
69	Structure Wm (120 D	None						132		
70	Structure Wm (150 D	None						132		
71	Structure Wm (180 D	None						132		
72	Structure Wm (210 D	None						132		
73	Structure Wm (240 D	None						132		
74	Structure Wm (270 D	None						132		
75	Structure Wm (300 D	None						132		
76	Structure Wm (330 D	None						132		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					84			
82	Antenna Eh (0 Deg)	None					56			
83	Antenna Eh (90 Deg)	None					56			
84	Structure Ev	ELY							3	
85	Structure Eh (0 Deg)	ELZ			03				3	
86	Structure Eh (90 Deg)	ELX	.03						3	
87	BLC 39 Transient Are	None						30		
88	BLC 40 Transient Are	None						30		

Load Combinations

	Description	Solve	P	S	BLC	Fac	BLC	Fac	BLC	Fac	.BLC	Fac	BLC	Fac	.BLC	Fac	BLC	Fac	.BLC	Fac	.BLC	Fac	.BLC	Fac
1	1.2D+1.0Wo (0 D	Yes	Υ		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0Wo (30	Yes	Υ		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0Wo (60	Yes	Υ		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0Wo (90				1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0Wo (12				1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0Wo (15				1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0Wo (18	Yes	Υ		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0Wo (21	Yes	Υ		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0Wo (24				1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0Wo (27	Yes	Υ		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0Wo (30	Yes	Υ		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0Wo (33				1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0Di + 1	Yes	Υ		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0Di + 1	Yes	Υ		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0Di + 1				1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + 1				1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0Di + 1				1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0Di + 1	Yes	Υ		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di + 1	Yes	Υ		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + 1				1	1.2	39	1.2	2	1	40	1	22	1	60	1								



Load Combinations (Continued)

	u Combinatio	110				ч,																		
	Description	Solve	P	S E	BLC	Fac	.BLC	Fac	BLC	Fac	.BLC	Fac	.BLC	Fac	BLC	Fac	BLC	Fac	.BLC	Fac	.BLC	Fac	.BLC	Fac
21	1.2D + 1.0Di + 1	Vac	V	T	1			1.2	2	1	40	1	23	1	61	1								
	1.2D + 1.0Di + 1											1			62									
22					1			1.2	2	1	40		24			1							\vdash	
23	1.2D + 1.0Di + 1	· Yes	Υ	\vdash	1			1.2	2	1	40	1	25		63	1				<u> </u>		igsquare	\sqcup	
24	1.2D + 1.0Di + 1	· Yes	Υ		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 +	Yes	Υ		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 +				1	1.2		1.2	77	1.5	28	1	66											
				_	$\overline{}$																		\vdash	
	1.2D + 1.5Lm1 + .	res	Υ	\vdash	1	1.2		1.2			29	1	67	1								\vdash	\sqcup	
28	1.2D + 1.5Lm1 +	Yes	Υ		1			1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 +	Yes	Υ	1 1	1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 +	Vac	Y		1	1.2		1.2			32	1	70	1										
	1.2D + 1.5Lm1 +			_	_								71											
31				\vdash	1		39	1.2			33	1		1								\vdash	\vdash	
32		Yes	Υ	\perp	1			1.2				1	72	1										
33	1.2D + 1.5Lm1 +	Yes	Υ	1 1	1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + .	Yes	Υ		1			1.2			36	1	74	1										
35	1.2D + 1.5Lm1 + .	Voc	$\dot{\nabla}$		1	1.2	30	1.2		1.5		1	75	1										
	1.2D + 1.5Lm1 +	1105	1	\vdash	_																			
36	1.2D + 1.5Lm1 +				1		39	1.2				1	76	1										
37	1.2D + 1.5Lm2 +	Yes	Υ		1	1.2		1.2		1.5		1	65	1									oxdot	
38	1.2D + 1.5Lm2 +	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 +	Yes	Υ		1		39	1.2			29	1	67	1										
	1.2D + 1.5Lm2 +				1			1.2		1.5		1		1										
				-		1.2							68										\vdash	
41	1.2D + 1.5Lm2 +				1	1.2	39	1.2	78	1.5	31	1	69	1										
42		Yes	Υ		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 +	Yes	Υ		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 +	Voc	V		1			1.2				1	72	1										
				_	_																			
45	1.2D + 1.5Lm2 + .	res	Υ	\vdash	1	1.2	39	1.2				1	73	1								\vdash	\sqcup	
	1.2D + 1.5Lm2 +				1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 +	Yes	Υ	1 1	1	1.2	39	1.2	78	1.5	37	1	75	1										
48		Yes	Υ		1			1.2				1	76	1										
				_	_	1.2	20				50		70	-										
49	1.2D + 1.5Lv1		_	\vdash	1			1.2														\vdash	\vdash	
50	1.2D + 1.5Lv2	Yes	Υ	\perp	1	1.2		1.2	80	1.5														
51	1.4D	Yes	Υ	1 1	1	1.4	39	1.4																
	1.2D + 1.0Ev + 1		Υ		1	1.2		1.2	81	1	ELY	1	82	1	83		ELZ	1	ELX					
53	1.2D + 1.0Ev + 1		Ÿ		1			1.2			ELY		82					.866	_					
		_		\vdash						_	_	_	_											
54	1.2D + 1.0Ev + 1		Υ	\vdash	1			1.2			ELY		82	.5	83					.866				
55	1.2D + 1.0Ev + 1	+	Υ		1	1.2	39	1.2	81	1	ELY	1	82		83		ELZ		ELX					
56	1.2D + 1.0Ev + 1		Υ		1	1.2	39	1.2	81	1	ELY	1	82	5	83	.866	ELZ	5	ELX	.866				
	1.2D + 1.0Ev + 1		Ÿ	-	1	1.2	39	1.2			ELY	_		866				866						
0,	1.2D + 1.0Ev + 1																ELZ		ELX					
58			Y		1			1.2			ELY		82		83									
59	1.2D + 1.0Ev + 1		Υ	\sqcup	1			1.2			ELY			866								\sqcup	ш	
60	1.2D + 1.0Ev + 1		Υ		1	1.2	39	1.2	81	1	ELY	1	82	5	83			5	ELX	866				
61	1.2D + 1.0Ev + 1		Υ		1	1.2		1.2		1	ELY	1	82		83		ELZ		ELX					
62	1.2D + 1.0Ev + 1		Y		1	1.2	39	1.2		1	ELY		82	.5						866				
63	1.2D + 1.0Ev + 1		Υ	\vdash	1			1.2		1	ELY		82							5			\square	
64	0.9D - 1.0Ev + 1		Υ		1	.9	39	.9	81	-1	ELY	-1	82		83		ELZ		ELX					
65	0.9D - 1.0Ev + 1		Υ		1	.9	39	.9	81	-1	ELY	-1	82	.866		.5	ELZ	.866	ELX	.5				
66	0.9D - 1.0Ev + 1		Ÿ		1	.9	39	.9	81	-1	ELY	-1	82	.5	83					.866				
	0.9D - 1.0Ev + 1											_		.5										
			Y		1	.9	39	.9	81	_	ELY	_	82	_	83		ELZ		ELX				\vdash	
68	0.9D - 1.0Ev + 1		Υ		1	.9	39	.9	81	-1	ELY	_	82		83	.866	ELZ	5	ELX	.866				
69	0.9D - 1.0Ev + 1		Υ		1	.9	39	.9	81	-1	ELY	-1	82	866	83	.5	ELZ	866	ELX	.5		L []]	L I	
70	0.9D - 1.0Ev + 1		Υ		1	.9	39	.9	81	-1	ELY		82		83		ELZ		ELX					
71	0.9D - 1.0Ev + 1	_	Ÿ		1	.9	39	.9	81		ELY	_		866										
		_									_			.000	00									
72	0.9D - 1.0Ev + 1		Υ		1	.9	39	.9	81	-1	ELY		82	5						866				
73	0.9D - 1.0Ev + 1		Υ		1	.9	39	.9	81	-1	ELY	-1	82		83	_	ELZ		ELX	-1			oxdot	
74	0.9D - 1.0Ev + 1		Υ		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	866	ELZ	.5	ELX	866				
75	0.9D - 1.0Ev + 1		Ÿ		1	.9	39	.9	81		ELY		82						_	5				
10	0.0E 1.0EV - 1	1		\perp		.5	UD	.5	UI	- 1			102	.000	UU	0		.000		J			ш	

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap
1	N1	-6.858023	0	3.257397	0	Botaon From Biap
2	N2	-0.608023	0	-7.56792	0	
3	N3	1.912473	0	1.104167	0	
4	N5	4.482344	0	-0.346981	0	
5	N6	2.053959	0.166667	3.859106	0	
6	N7	4.369063	0.166667	-0.150772	0	
7	N8	-6.399689	0	2.463541	0	
8	N9	-6.616196	0	2.338541	0	
9	N10	-1.024689	0	-6.846233	0	
10	N11	-1.241196	0	-6.971233	0	
11	N14	-3.733023	0	-2.155262	0	
12	N15	-3.949529	0	-2.280262	0	
13	N16	-3.949529	-3.125	-2.280262	0	
14	N17	-3.949529	2.875	-2.280262	0	
15 16	N18 N19	-1.241196 -1.241196	-3 5	-6.971233 -6.971233	0	
17	N22	-6.616196	-3.125	2.338541	0	
18	N23	-6.616196	2.875	2.338541	0	
19	N24	3.211511	0	1.854167	0	
20	N27	6.40498	0	3.697917	0	
21	CP	0.40490	0	0	0	
22	N29	2.053959	0	3.859106	0	
23	N30	4.369063	0	-0.150772	0	
24	N101	1.940678	Ö	4.055315	Ö	
25	N102	3.294844	0	1.709829	0	
26	N103A	3.128178	0	1.998504	0	
27	N104A	4.671787	0	-0.237606	0	
28	N105	2.130121	0	4.16469	0	
29	N131	2.296787	0	4.16469	0	
30	N135	6.035188	0	4.144461	0	
31	N144	4.755121	0	-0.093269	0	
32	N148	6.606802	0	3.154396	0	
33	N86A	2.296787	0	4.310523	0	
34	N86B	4.881416	0	-0.166186	0	
35	N86C	6.662792	0	3.251372	0	
36	N87A	6.147167	0	4.144461	0	
37	N86D	6.035188	0	4.310523	0	
38	N86E	6.750617	0	3.071364	0	
39 40	N88A N87C	6.332811	0 166667	3.65625	0	
		6.215692	0.166667 0	3.859106		
41	N86G N87B	6.215692 6.44993	0.166667	3.859106 3.453394	0	
43	N88C	6.44993	0.166667	3.453394	0	
44	N87D	-0.	0	-2.208333	0	
45	N88B	-0. -2.541667	0	-3.708333	0	
46	N89	2.315104	0.166667	-3.708333	0	
47	N90	-2.315104	0.166667	-3.708333	0	
48	N91	-0.	0.100007	-3.708333	0	
49	N92	-0.	0	-7.395833	Ö	
50	N93	2.315104	0	-3.708333	0	
51	N94	-2.315104	0	-3.708333	0	
52	N95	2.541667	0	-3.708333	0	
53	N96	-0.166667	0	-3.708333	0	
54	N97	0.166667	0	-3.708333	0	
55	N98	-2.541667	0	-3.927083	0	
56	N99	2.541667	0	-3.927083	0	

Joint Coordinates and Temperatures (Continued)

		V (61		7 (4)	T (E)	Datash Franc Dian
67	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap
57	N100	2.458333	0	-4.071421	0	
58	N101A	0.571615	0	-7.298857	0	
59	N102A	-2.458333	0	-4.071421	0	
60	N103	-0.571615	0	-7.298857	0	
61	N104	2.584629	0	-4.144338	0	
62	N105A	-2.584629	0	-4.144338	0	
63	N106	-0.515625	0	-7.395833	0	
64	N107	0.515625	0	-7.395833	0	
65	N108	0.715429	0	-7.381888	0	
66	N109	-0.715429	0	-7.381888	0	
67	N110	-0.	0	-7.3125	0	
68	N111	0.234238	0.166667	-7.3125	0	
69	N112	0.234238	0	-7.3125	0	
70	N113	-0.234238	0.166667	-7.3125	0	
71	N114	-0.234238	0.100007	-7.3125	0	
72	N115	-1.912473	0	1.104167	0	
73	N116	-1.940678	0	4.055315	0	
	N117		0.166667			
74		-4.369063		-0.150772	0	
75	N118	-2.053959	0.166667	3.859106	0	
76	N119	-3.211511	0	1.854167	0	
77	N120	-6.40498	0	3.697917	0	
78	N121	-4.369063	0	-0.150772	0	
79	N122	-2.053959	0	3.859106	0	
80	N123	-4.482344	0	-0.346981	0	
81	N124	-3.128178	0	1.998504	0	
82	N125	-3.294844	0	1.709829	0	
83	N126	-2.130121	0	4.16469	0	
84	N127	-4.671787	0	-0.237606	0	
85	N128	-4.755121	0	-0.093269	0	
86	N129	-6.606802	Ö	3.154396	Ö	
87	N130	-2.296787	0	4.16469	0	
88	N131A	-6.035188	0	4.144461	0	
89	N132	-4.881416	0	-0.166185	0	
			0			
90	N133	-2.296787		4.310523	0	
91	N134	-6.147167	0	4.144461	0	
92	N135A	-6.662792	0	3.251372	0	
93	N136	-6.750617	0	3.071364	0	
94	N137	-6.035188	0	4.310523	0	
95	N138	-6.332811	0	3.65625	0	
96	N139	-6.44993	0.166667	3.453394	0	
97	N140	-6.44993	0	3.453394	0	
98	N141	-6.215692	0.166667	3.859106	0	
99	N142	-6.215692	0	3.859106	0	
100	N104B	6.25	0	4.310523	0	
101	N105B	-6.25	0	4.310523	0	
102	N124A	0.608023	Ö	-7.56792	Ö	
103	N125A	6.858023	0	3.257397	0	
104	N110A	-2.024689	0	-5.114182	0	
105	N111A	-2.241196	0	-5.239182	0	
106	N112A	-2.241196	-3.125	-5.239182	0	
107	N113A	-2.241196	2.875	-5.239182	0	
107					0	
	N113B	5.333333	0	4.310523		
109	N114A	5.333333	0	4.560523	0	
110	N115A	-5.416667	0	4.310523	0	
111	N116A	-5.416667	0	4.560523	0	
112	N117A	3.333333	0	4.310523	0	
113	N118A	3.333333	0	4.560523	0	

Joint Coordinates and Temperatures (Continued)

	Coordinates and Ten	peratures (oc				
	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap
114	N123A	-5.416667	-3	4.560523	0	
115	N124B	-5.416667	5	4.560523	0	
116	N125B	3.333333	-3.125	4.560523	0	
117	N126A	3.333333	2.875	4.560523	0	
118	N127A	5.333333	-3.125	4.560523	0	
119	N128A	5.333333	2.875	4.560523	0	
120	N129A	3.333333	2.75	4.560523	0	
121	N134A	1.066356	0	-6.774064	0	
122	N135B	1.282862	Ō	-6.899064	Ö	
123	N136A	6.441356	0	2.535709	0	
124	N137A	6.657862	0	2.410709	0	
125	N138A	2.066356	0	-5.042013	0	
126	N139A	2.282862	0	-5.167013	0	
127			-3			
128	N144A	6.657862	-3 5	2.410709	0	
	N145	6.657862		2.410709		
129	N146	2.282862	-3.125	-5.167013	0	
130	N147	2.282862	2.875	-5.167013	0	
131	N148A	1.282862	-3.125	-6.899064	0	
132	N149	1.282862	2.875	-6.899064	0	
133	N150	2.282862	2.75	-5.167013	0	
134	N147A	-0.	0	-3.208333	0	
135	N148B	0.25	0	-3.208333	0	
136	N149A	0.25	5	-3.208333	0	
137	N150A	0.25	3.5	-3.208333	0	
138	N151	-6.858023	2.5	3.257397	0	
139	N152	-0.608023	2.5	-7.56792	0	
140	N153	-6.399689	2.5	2.463541	0	
141	N154	-6.616196	2.5	2.338541	0	
142	N155	-1.024689	2.5	-6.846233	0	
143	N156	-1.241196	2.5	-6.971233	0	
144	N159	-3.733023	2.5	-2.155262	0	
145	N160	-3.949529	2.5	-2.280262	0	
146	N161	5.035188	2.5	4.144461	Ō	
147	N162	5.035188	2.5	4.310523	0	
148	N163	-5.035188	2.5	4.144461	0	
149	N164	-5.035188	2.5	4.310523	0	
150	N165	6.25	2.5	4.310523	0	
151	N166	-6.25	2.5	4.310523	0	
152	N167	0.608023	2.5	-7.56792	0	
153	N168	6.858023	2.5	3.257397	0	
154	N169	-2.024689	2.5	-5.114182	0	
155	N170	-2.241196	2.5	-5.239182	0	
156	N171	5.333333	2.5	4.310523	0	
157	N172	5.333333	2.5	4.560523	0	
158	N173	-5.416667	2.5	4.310523	0	
159	N174	-5.416667	2.5	4.560523	0	
160	N175	3.333333	2.5	4.310523	0	
161	N176	3.333333	2.5	4.560523	0	
162	N179	1.066356	2.5	-6.774064	0	
163	N180	1.282862	2.5	-6.899064	0	
164	N181	6.441356	2.5	2.535709	0	
165	N182	6.657862	2.5	2.410709	0	
166	N183	2.066356	2.5	-5.042013	0	
167	N184	2.282862	2.5	-5.167013	0	
168	N187	1.071615	2.5	-6.432831	0	
169	N188	1.215429	2.5	-6.515862	0	
170	N189	6.106802	2.5	2.28837	Ō	
	11100	J. 100002			•	



Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap
171	N190	6.250617	2.5	2.205339	0	·
172	N191	-6.106802	2.5	2.28837	0	
173	N192	-6.250617	2.5	2.205339	0	
174	N193	-1.071615	2.5	-6.432831	0	
175	N194	-1.215429	2.5	-6.515862	0	
176	N195	-0.	0	-5.208333	0	
177	N197	-4.510549	0	2.604167	0	
178	N199	4.510549	0	2.604167	0	
179	N179A	1.643706	-3.125	-7.107397	0	
180	N180A	1.643706	2.875	-7.107397	0	
181	N181A	1.282862	1.875	-6.899064	0	
182	N182A	1.643706	1.875	-7.107397	0	
183	N183A	1.220362	1.875	-7.007317	0	
184	N184A	1.581206	1.875	-7.21565	0	
185	N185	1.345362	1.875	-6.790811	0	
186	N186	1.706206	1.875	-6.999144	0	
187	N187A	1.282862	-2.125	-6.899064	0	
188	N188A	1.643706	-2.125	-7.107397	0	
189	N189A	1.220362	-2.125	-7.007317	0	
190	N190A	1.581206	-2.125	-7.21565	0	
191	N191A	1.345362	-2.125	-6.790811	0	
192	N192A	1.706206	-2.125	-6.999144	0	
193	N193A	7.018706	-3	2.202376	0	
194	N194A	7.018706	5	2.202376	0	
195	N195A	6.657862	4	2.410709	0	
196	N196	7.018706	4	2.202376	0	
197	N197A	6.595362	4	2.302456	0	
198	N198	6.956206	4	2.094123	0	
199	N199A	6.720362	4	2.518962	0	
200	N200	7.081206	4	2.310629	0	
201	N201	6.610987	4	2.329519	0	
202	N202	6.657862	-2	2.410709	0	
203	N203	7.018706	-2	2.202376	0	
204	N204	6.595362	-2	2.302456	0	
205	N205	6.956206	-2	2.094123	0	
206	N206	6.720362	-2	2.518962	0	
207	N207	7.081206	-2	2.310629	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R	A [in2]	lyy [in4]	Izz [in4]	J [in4]
1	Face Horizo	PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff Hori	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
3	Corner Plate	PL1/2x6	Beam	BAR	A36 Gr.36	Typical	3	.063	9	.237
4	Platform Cro	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
5	Grating Supp	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	Cross Arm P	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
8	Support Rail	PIPE 2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
9	Support Rail	L3X3X4	Column	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
10	Kickers	LL3x3x3x3	Column	Double Angle (3/8	A36 Gr.36	Typical	2.18	4.09	1.9	.027
11	Dual Pipe	PIPE 2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
12	MOD Thread	SR_0.625	Column	BAR	A36 Gr.36	Typical	.307	.007	.007	.015

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N1	N2			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
2	M4	N3	N27			Standoff Horiz	Beam	SquareTube		
3	M10	N101	N103A			Platform Cross	Beam	SquareTube		Typical
4	M19	N8	N9			RIGID	None	None	RIGID	Typical
5	M20	N10	N11			RIGID	None	None	RIGID	Typical
6	M22	N14	N15			RIGID	None	None	RIGID	Typical
7	MP2B	N17	N16			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
8	MP4B	N19	N18				Column	Pipe	A53 Gr.B	Typical
9	MP1B	N23	N22			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
10	M43	N102	N5			Platform Cross	Beam	SquareTube	A500 Gr.B	Typical
11	M46	N86C	N87A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
12	M35A	N7	N30			RIGID	None	None	RIGID	Typical
13	M36A	N6	N29			RIGID	None	None	RIGID	Typical
14	M51B	N87C	N6			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
15	M52B	N7	N87B			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
16	M52	N87B	N88C			RIGID	None	None	RIGID	Typical
17	M58	N102	N24			RIGID	None	None	RIGID	Typical
18	M59	N24	N103A			RIGID	None	None	RIGID	Typical
19	M76	N101	N105			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
20	M77	N105	N131			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
21	M79	N131	N86A			RIGID	None	None	RIGID	Typical
22	M80	N87A	N135			Corner Plate	Beam	BAR	A36 Gr.36	Typical
23	M83	N135	N86D			RIGID	None	None	RIGID	Typical
24	M84	N5	N104A			Cross Arm Plate		RECT	A36 Gr.36	Typical
25	M85	N104A	N144			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
26	M88	N144	N86B			RIGID	None	None	RIGID	Typical
27	M91	N86C	N148			Corner Plate	Beam	BAR	A36 Gr.36	Typical
28	M92	N148	N86E			RIGID	None	None	RIGID	Typical
29	M50	N88C	N88A			RIGID	None	None	RIGID	Typical
30	M51	A88N	N86G			RIGID	None	None	RIGID	Typical
31	M51A	N87C	N86G			RIGID	None	None	RIGID	Typical
32	M52A	N87D	N92			Standoff Horiz	Beam	SquareTube	A500 Gr.B	Typical
33	M53	N95	N97			Platform Cross	Beam	SquareTube	A500 Gr.B	Typical
34	M54	N96	N88B			Platform Cross	Beam	SquareTube		Typical
35	M55	N106	N107			Corner Plate	Beam	BAR	A36 Gr.36	Typical
36	M56	N90	N94			RIGID	None	None	RIGID	Typical
37	M57	N89	N93			RIGID	None	None	RIGID	Typical
38	M58A	N111	N89			Grating Support	Beam	Single Angle		Typical
39	M59A	N90	N113			Grating Support	Beam	Single Angle		Typical
40	M60	N113	N114			RIGID	None	None	RIGID	Typical
41	M61	N96	N91			RIGID	None	None	RIGID	Typical
42	M62	N91	N97			RIGID	None	None	RIGID	Typical
43	M63	N95	N99			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical

Member Primary Data (Continued)

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11	Label	I Joint N99	J Joint	K Joint	Rotate(deg)	Section/Shape Cross Arm Plate	Type	Design List	Material A36 Gr.36	Design Rules
44	M64	N100	N100 N104			RIGID		RECT	RIGID	Typical
45	M65						None	None	A36 Gr.36	Typical
46	M66	N107	N101A			Corner Plate	Beam	BAR		Typical
47	<u>M67</u>	N101A	N108			RIGID Cross Arm Plate	None	None	RIGID	Typical
48	M68	N88B	N98			Cross Arm Plate	Column	RECT	A36 Gr.36 A36 Gr.36	Typical
49	M69	N98	N102A					RECT		Typical
50	M70	N102A	N105A			RIGID	None	None	RIGID A36 Gr.36	Typical
51	M71	N106	N103			Corner Plate	Beam	BAR		Typical
52	M72 M73	N103 N114	N109			RIGID	None	None	RIGID	Typical
53			N110 N112			RIGID	None	None	RIGID	Typical
54	M74	N110 N111				RIGID RIGID	None	None	RIGID	Typical
55	M75		N112			Standoff Horiz	None	None	RIGID	Typical
56	M76A	N115	N120			Platform Cross	Beam	SquareTube		Typical
57	M77A	N123 N124	N125			Platform Cross	Beam	SquareTube SquareTube	A500 Gr.B	Typical
58	<u>M78</u> M79A	N124 N134	N116 N135A				Beam	BAR	A36 Gr.36	Typical
59 60	M80A	N134 N118	N122			Corner Plate RIGID	Beam		RIGID	Typical Typical
						RIGID	None	None	RIGID	
61 62	M81 M82	N117 N139	N121 N117			Grating Support	None	None Single Angle		Typical
	M83A	N139 N118	N117 N141			Grating Support		Single Angle Single Angle		Typical
63	M84A	N118 N141	N141 N142			RIGID	Beam	None None	RIGID	Typical
64 65	M85A	N141 N124	N142 N119			RIGID	None None	None	RIGID	Typical Typical
66	M86	N1124 N119	N125			RIGID	None	None	RIGID	Typical
67	M87	N123	N125			Cross Arm Plate	Column	RECT	A36 Gr.36	
68	M88A	N123	N127			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
69	<u>IVIOOA</u> 	N127 N128	N132			RIGID			RIGID	Typical
70	M90	N135A	N132 N129			Corner Plate	None	None BAR	A36 Gr.36	Typical
71	M91A	N129	N136			RIGID	None	None	RIGID	Typical Typical
72	M92A	N116	N126			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
73	M93	N126	N130			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
74	M94	N130	N133			RIGID	None	None	RIGID	Typical
75	M95	N134	N131A			Corner Plate		BAR	A36 Gr.36	Typical
76	M96	N131A	N137			RIGID	None	None	RIGID	Typical
77	M97	N142	N138			RIGID	None	None	RIGID	Typical
78	M98	N138	N140			RIGID	None	None	RIGID	Typical
79	M99	N139	N140			RIGID	None	None	RIGID	Typical
80	M82A	N104B	N105B			Face Horizontal	Beam	Pipe	A53 Gr.B	
81	M91B	N124A	N125A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
82	M84B	N110A	N111A			RIGID	None	None	RIGID	Typical
83	MP3B	N113A	N112A			Mount Pipe		Pipe	A53 Gr.B	
84	M86A	N113B	N114A			RIGID	None	None	RIGID	Typical
85	M87A	N115A	N116A			RIGID	None	None	RIGID	Typical
86	M88B	N117A	N118A			RIGID	None	None	RIGID	Typical
87	MP3A	N124B	N123A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
88	MP2A	N126A	N125B				Column	Pipe	A53 Gr.B	
89	MP1A	N128A	N127A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
90	M96A	N134A	N135B			RIGID	None	None	RIGID	Typical
91	M97A	N136A	N137A			RIGID	None	None	RIGID	Typical
92	M98A	N138A	N139A			RIGID	None	None	RIGID	Typical
93	MP6C	N145	N144A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
94	MP2C	N147	N146				Column	Pipe	A53 Gr.B	
95	MP5C	N149	N148A				Column	Pipe	A53 Gr.B	
96	M102	N147A	N148B			RIGID	None	None	RIGID	Typical
97	M103	N150A	N149A			Mount Pipe	Column	Pipe	A53 Gr.B	
98	M104	N151	N152			Support Rail		Pipe	A53 Gr.B	
99	M105	N153	N154			RIGID	None	None	RIGID	Typical
100	M106	N155	N156			RIGID	None	None	RIGID	Typical
100	IVITOO	INIOO	14100			KIGID	INUITE	NONE	KIGID	i ypicai

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
101	M108	N159	N160		, , , ,	RIGID	None	None	RIGID	Typical
102	M109	N161	N162			RIGID	None	None	RIGID	Typical
103	M110	N163	N164			RIGID	None	None	RIGID	Typical
104	M111	N165	N166			Support Rail	Column	Pipe	A53 Gr.B	Typical
105	M112	N167	N168			Support Rail		Pipe	A53 Gr.B	Typical
106	M113	N169	N170			RIGID	None	None	RIGID	Typical
107	M114	N171	N172			RIGID	None	None	RIGID	Typical
108	M115	N173	N174			RIGID	None	None	RIGID	Typical
109	M116	N175	N176			RIGID	None	None	RIGID	Typical
110	M118	N179	N180			RIGID	None	None	RIGID	Typical
111	M119	N181	N182			RIGID	None	None	RIGID	Typical
112	M120	N183	N184			RIGID	None	None	RIGID	Typical
113	M122	N187	N188			RIGID	None	None	RIGID	Typical
114	M123	N189	N190			RIGID	None	None	RIGID	Typical
115	M124	N191	N192			RIGID	None	None	RIGID	Typical
116	M125	N193	N194			RIGID	None	None	RIGID	Typical
117	M126	N163	N191		90	Support Rail C	Column	Single Angle	A36 Gr.36	Typical
118	M127	N193	N187		90	Support Rail C	Column	Single Angle	A36 Gr.36	Typical
119	M128	N161	N189		180	Support Rail C	Column	Single Angle	A36 Gr.36	Typical
120	MP1C	N180A	N179A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
121	M121	N184A	N182A			RIGID	None	None	RIGID	Typical
122	M122A	N186	N182A			RIGID	None	None	RIGID	Typical
123	M123A	N185	N181A			RIGID	None	None	RIGID	Typical
124	M124A	N181A	N183A			RIGID	None	None	RIGID	Typical
125	M125A	N185	N186			MOD Threade	Column	BAR	A36 Gr.36	Typical
126	M126A	N183A	N184A			MOD Threade	Column	BAR	A36 Gr.36	Typical
127	M127A	N190A	N188A			RIGID	None	None	RIGID	Typical
128	M128A	N192A	N188A			RIGID	None	None	RIGID	Typical
129	M129	N191A	N187A			RIGID	None	None	RIGID	Typical
130	M130	N187A	N189A			RIGID	None	None	RIGID	Typical
131	M131	N191A	N192A			MOD Threade	Column	BAR	A36 Gr.36	Typical
132	M132	N189A	N190A			MOD Threade	Column	BAR	A36 Gr.36	Typical
133	MP3C	N194A	N193A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
134	M134	N200	N196			RIGID	None	None	RIGID	Typical
135	M135	N198	N196			RIGID	None	None	RIGID	Typical
136	M136	N199A	N195A			RIGID	None	None	RIGID	Typical
137	M137	N195A	N197A			RIGID	None	None	RIGID	Typical
138	M138	N199A	N200			MOD Threade	Column	BAR	A36 Gr.36	Typical
139	M139	N197A	N198			MOD Threade	Column	BAR	A36 Gr.36	Typical
140	M140	N207	N203			RIGID	None	None	RIGID	Typical
141	M141	N205	N203			RIGID	None	None	RIGID	Typical
142	M142	N206	N202			RIGID	None	None	RIGID	Typical
143	M143	N202	N204			RIGID	None	None	RIGID	Typical
144	M144	N206	N207			MOD Threade	Column	BAR	A36 Gr.36	Typical
145	M145	N204	N205			MOD Threade	Column	BAR	A36 Gr.36	Typical

Member Advanced Data

		Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat	.Analysis	Inactive	Seismic
•	1	M1						Yes	Default	,		None
2	2	M4						Yes				None
3	3	M10						Yes	Default			None
4	4	M19						Yes	** NA **			None
Ę	5	M20						Yes	** NA **			None
(6	M22						Yes	** NA **			None
7	7	MP2B						Yes	** NA **			None

Member Advanced Data (Continued)

8 MP4B		Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat	Analysis	Inactive	Seismic
10	8	MP4B						Yes	** NA **			None
11	9	MP1B						Yes	** NA **			None
12 M35A	10	M43						Yes	Default			None
12 M35A	11	M46						Yes	Default			None
13 M36A Yes **NA ** None None 15 M52B OOOOOX OOOOOX Yes Default None None None None None Yes Default None None Yes Na ** None None Yes Yes **NA ** None Yes Yes **NA ** None Yes Yes **NA ** None Yes Yes	12	M35A						Yes	** NA **			
14	13	M36A							** NA **			
15	14	M51B	00000X	00000X				Yes	Default			None
17 M58 Yes ** NA ** None 19 M76 Yes ** NA ** None 19 M76 Yes ** NA ** None 20 M77 BenPIN Yes ** NA ** None 22 M80 Yes ** NA ** None 23 M83 BenPIN Yes ** NA ** None 24 M84 Yes ** NA ** None 26 M85 Yes ** NA ** None 26 M88 BenPIN Yes ** NA ** None 26 M88 BenPIN Yes ** NA ** None 28 M92 BenPIN Yes ** NA ** None 29 M50 Yes ** NA ** None 29 M50 Yes ** NA ** None 31 M51A Yes ** NA ** None 31 M51A Yes ** NA ** None 33 M53 Yes None 34 M54 M54 Yes Default None 35 M55 Yes Default None 36 M56 M56 Yes N5A ** None 37 M57 M56 Yes None Yes NA ** None 37 M57 M58 Yes Default None 40 M60 Yes NA ** None 42 M62 M63 Yes Default None 44 M64 M64 Yes Default None 45 M65 M65 Yes NA ** None 46 M66 M66 Yes NA ** None 47 M67 M67 M67 M67 M67 M68 Yes Default None 46 M66 M66 Yes NA ** None 47 M67 M67 BenPIN Yes NA ** None 48 M68 M68 M68 Yes NA ** None 49 M69 M69 Yes NA ** None 49 M69 Yes NA ** None 49 M69 Yes NA ** None 46 M66 M66 Yes NA ** None 47 M67 BenPIN Yes NA ** None 48 M68 Yes NA ** None 49 M69 Yes NA ** None 46 M66 M66 Yes NA ** None 47 M67 BenPIN Yes NA ** None 48 M68 Yes NA ** None 49 M69 Yes NA ** None 49 M69 Yes NA ** None 40 M60 Yes NA ** None 40	15	M52B	00000X	00000X				Yes				None
18	16	M52						Yes	** NA **			None
19	17	M58						Yes	** NA **			None
20	18	M59						Yes	** NA **			None
20	19	M76						Yes	** NA **			None
22		M77						Yes	** NA **			None
23	21	M79		BenPIN				Yes	** NA **			None
24	22	M80						Yes				None
25	23	M83		BenPIN				Yes				None
26		M84						Yes				None
27	25							Yes				None
28		M88		BenPIN				Yes	** NA **			None
Yes Yes												None
30				BenPIN				Yes				None
31												
32 M52A												
33 M53 Yes Default None 34 M54 Yes Default None 35 M55 Yes Default None 36 M56 Yes Default None 37 M57 Yes Yes Yes Yes Yes Yes Na** None 38 M58A OOOOOX OOOOOX Yes Default None 39 M59A OOOOOX OOOOOX Yes Default None 40 M60 Yes Yes Yes Yes Yes Na** None Yes									** NA **			
34												
35												
36												
37												
38 M58A OOOOOX OOOOOX Yes Default None 39 M59A OOOOOX Yes None None 40 M60 Yes ** NA ** None 41 M61 Yes ** NA ** None 42 M62 Yes ** NA ** None 43 M63 Yes ** NA ** None 44 M64 Yes ** NA ** None 45 M65 BenPIN Yes ** NA ** None 46 M66 Yes ** NA ** None 48 M68 Yes ** NA ** None 49 M69 Yes ** NA ** None 50 M70 BenPIN Yes ** NA ** None 51 M71 Yes ** NA ** None 52 M72 BenPIN Yes ** NA ** None 53 M73 Yes ** NA **												
M59A OOOOOX OOOOOOX OOOOOOX OOOOOOX OOOOOOX OOOOOOX OOOOOOX OOOOOO X OOOOOO OOOOOOOO												
40 M60 Yes ** NA ** None 41 M61 Yes ** NA ** None 42 M62 Yes ** NA ** None 43 M63 Yes ** NA ** None 44 M64 Yes ** NA ** None 45 M65 BenPIN Yes None 46 M66 Yes None None 47 M67 BenPIN Yes ** NA ** None 49 M69 Yes ** NA ** None 50 M70 BenPIN Yes NA ** None 51 M71 Yes NA ** None 52 M72 BenPIN Yes NA ** None 53 M73 Yes ** NA ** None 54 M74 Yes *NA ** None 55 M75 Yes None None 56 M76A												
41 M61 Yes ** NA ** None 42 M62 Yes ** NA ** None 43 M63 Yes ** NA ** None 44 M64 Yes ** NA ** None 45 M65 BenPIN Yes ** NA ** None 46 M66 Yes ** NA ** None 47 M67 BenPIN Yes ** NA ** None 49 M69 Yes ** NA ** None 50 M70 BenPIN Yes ** NA ** None 51 M71 Yes ** NA ** None 52 M72 BenPIN Yes ** NA ** None 54 M74 Yes ** NA ** None 54 M74 Yes ** NA ** None 55 M75 Yes ** NA ** None 56 M76A Yes Default None 59 M79A Yes Default None 60 M80A Yes Default None 61 M81			00000X	00000X								
42 M62 Yes ** NA ** None 43 M63 Yes ** NA ** None 44 M64 Yes ** NA ** None 45 M65 BenPIN Yes ** NA ** None 46 M66 Yes ** NA ** None 47 M67 BenPIN Yes ** NA ** None 48 M68 Yes ** NA ** None 49 M69 Yes ** NA ** None 50 M70 BenPIN Yes ** NA ** None 51 M71 Yes ** NA ** None 52 M72 BenPIN Yes ** NA ** None 53 M73 Yes ** NA ** None 54 M74 Yes ** NA ** None 54 M74 Yes ** NA ** None 55 M75 Yes ** NA ** None 56 M76A Yes Default None 57 M77A												
43 M63 Yes ** NA ** None 44 M64 Yes ** NA ** None 45 M65 BenPIN Yes ** NA ** None 46 M66 Yes NA ** None 47 M67 BenPIN Yes ** NA ** None 48 M68 Yes ** NA ** None 49 M69 Yes ** NA ** None 50 M70 BenPIN Yes NA ** None 51 M71 Yes NA ** None 52 M72 BenPIN Yes ** NA ** None 53 M73 Yes ** NA ** None 54 M74 Yes ** NA ** None 55 M75 Yes ** NA ** None 56 M76A Yes Default None 59 M79A Yes Default None 6												
44 M64 Yes ** NA ** None 45 M65 BenPIN Yes ** NA ** None 46 M66 Yes None None 47 M67 BenPIN Yes ** NA ** None 48 M68 Yes ** NA ** None 49 M69 Yes ** NA ** None 50 M70 BenPIN Yes ** NA ** None 51 M71 Yes ** NA ** None 52 M72 BenPIN Yes ** NA ** None 53 M73 Yes ** NA ** None 54 M74 Yes ** NA ** None 55 M75 Yes ** NA ** None 56 M76A Yes None 57 M77A Yes Default None 59 M79A Yes Default None 60 M80A Yes ** NA ** None 61 M81 Yes Default None <td></td>												
45 M65 BenPIN Yes ** NA ** None 46 M66 Yes None None 47 M67 BenPIN Yes ** NA ** None 48 M68 Yes ** NA ** None 49 M69 Yes ** NA ** None 50 M70 BenPIN Yes ** NA ** None 51 M71 Yes NA ** None 52 M72 BenPIN Yes ** NA ** None 53 M73 Yes ** NA ** None 54 M74 Yes ** NA ** None 55 M75 Yes ** NA ** None 56 M76A Yes Default None 57 M77A Yes Default None 59 M79A Yes Default None 60 M80A Yes ** NA ** None 61 M81 Yes ** NA ** None 62 M82 OOOOX OOOOX <td></td>												
46 M66 Yes None 47 M67 BenPIN Yes ** NA ** None 48 M68 Yes ** NA ** None 49 M69 Yes ** NA ** None 50 M70 BenPIN Yes ** NA ** None 51 M71 Yes ** NA ** None 52 M72 BenPIN Yes ** NA ** None 53 M73 Yes ** NA ** None 54 M74 Yes ** NA ** None 55 M75 Yes ** NA ** None 56 M76A Yes Default None 57 M77A Yes Default None 59 M79A Yes Default None 60 M80A Yes ** NA ** None 61 M81 Yes Default None 62 M82 O				D a se DINI								
47 M67 BenPIN Yes ** NA ** None 48 M68 Yes ** NA ** None 49 M69 Yes ** NA ** None 50 M70 BenPIN Yes ** NA ** None 51 M71 Yes None None 52 M72 BenPIN Yes ** NA ** None 53 M73 Yes ** NA ** None 54 M74 Yes ** NA ** None 55 M75 Yes ** NA ** None 56 M76A Yes None 57 M77A Yes Default None 59 M79A Yes Default None 60 M80A Yes ** NA ** None 61 M81 Yes Default None 62 M82 OOOOOX OOOOX Yes Default None 63 M83A OOOOOX OOOOX Yes Default None				BenPIN					^^ NA ^^			
48 M68 Yes ** NA ** None 49 M69 Yes ** NA ** None 50 M70 BenPIN Yes ** NA ** None 51 M71 Yes NA ** None 52 M72 BenPIN Yes ** NA ** None 53 M73 Yes ** NA ** None 54 M74 Yes ** NA ** None 55 M75 Yes None None 56 M76A Yes Default None 57 M77A Yes Default None 59 M79A Yes Default None 60 M80A Yes ** NA ** None 61 M81 Yes Default None 63 M83A OOOOOX OOOOX Yes Default None				DonDIN					** NIA **			
49 M69 Yes ** NA ** None 50 M70 BenPIN Yes ** NA ** None 51 M71 Yes ** NA ** None 52 M72 BenPIN Yes ** NA ** None 53 M73 Yes ** NA ** None 54 M74 Yes ** NA ** None 55 M75 Yes ** NA ** None 56 M76A Yes Default None 57 M77A Yes Default None 59 M79A Yes Default None 60 M80A Yes ** NA ** None 61 M81 Yes Default None 62 M82 OOOOOX OOOOX Yes Default None 63 M83A OOOOOX OOOOX Yes Default None				BenPiN								
50 M70 BenPIN Yes ** NA ** None 51 M71 Yes None None 52 M72 BenPIN Yes ** NA ** None 53 M73 Yes ** NA ** None 54 M74 Yes ** NA ** None 55 M75 Yes ** NA ** None 56 M76A Yes None None 57 M77A Yes Default None 58 M78 Yes Default None 60 M80A Yes ** NA ** None 61 M81 Yes Default None 62 M82 OOOOOX OOOOX Yes Default None 63 M83A OOOOOX OOOOX Yes Default None												
51 M71 Yes None 52 M72 BenPIN Yes ** NA ** None 53 M73 Yes ** NA ** None 54 M74 Yes ** NA ** None 55 M75 Yes ** NA ** None 56 M76A Yes None 57 M77A Yes Default None 58 M78 Yes Default None 59 M79A Yes Default None 60 M80A Yes ** NA ** None 61 M81 Yes ** NA ** None 62 M82 OOOOOX OOOOX Yes Default None 63 M83A OOOOOX OOOOX Yes Default None				RopDIN								
52 M72 BenPIN Yes ** NA ** None 53 M73 Yes ** NA ** None 54 M74 Yes ** NA ** None 55 M75 Yes ** NA ** None 56 M76A Yes Default None 57 M77A Yes Default None 58 M78 Yes Default None 59 M79A Yes Default None 60 M80A Yes ** NA ** None 61 M81 Yes ** NA ** None 62 M82 OOOOOX OOOOX Yes Default None 63 M83A OOOOX OOOOX Yes Default None				DeliPiliv					INA			
53 M73 Yes ** NA ** None 54 M74 Yes ** NA ** None 55 M75 Yes ** NA ** None 56 M76A Yes Default None 57 M77A Yes Default None 58 M78 Yes Default None 59 M79A Yes Default None 60 M80A Yes ** NA ** None 61 M81 Yes ** NA ** None 62 M82 OOOOOX OOOOX Yes Default None 63 M83A OOOOOX OOOOX Yes Default None				RenDIN					** NA **			
54 M74 Yes ** NA ** None 55 M75 Yes ** NA ** None 56 M76A Yes None 57 M77A Yes Default None 58 M78 Yes Default None 59 M79A Yes Default None 60 M80A Yes ** NA ** None 61 M81 Yes None None 62 M82 OOOOOX OOOOX Yes Default None 63 M83A OOOOOX OOOOX Yes Default None				Delli IIV								
55 M75 Yes ** NA ** None 56 M76A Yes None None 57 M77A Yes Default None 58 M78 Yes Default None 59 M79A Yes Default None 60 M80A Yes ** NA ** None 61 M81 Yes ** NA ** None 62 M82 OOOOOX OOOOX Yes Default None 63 M83A OOOOOX OOOOX Yes Default None												
56 M76A Yes None 57 M77A Yes Default None 58 M78 Yes Default None 59 M79A Yes Default None 60 M80A Yes ** NA ** None 61 M81 Yes ** NA ** None 62 M82 OOOOOX OOOOX Yes Default None 63 M83A OOOOOX OOOOX Yes Default None												
57 M77A Yes Default None 58 M78 Yes Default None 59 M79A Yes Default None 60 M80A Yes ** NA ** None 61 M81 Yes ** NA ** None 62 M82 OOOOOX OOOOX Yes Default None 63 M83A OOOOOX OOOOX Yes Default None									11/7			
58 M78 Yes Default None 59 M79A Yes Default None 60 M80A Yes ** NA ** None 61 M81 Yes ** NA ** None 62 M82 OOOOOX OOOOX Yes Default None 63 M83A OOOOOX OOOOX Yes Default None									Default			
59 M79A Yes Default None 60 M80A Yes ** NA ** None 61 M81 Yes ** NA ** None 62 M82 OOOOOX OOOOX Yes Default None 63 M83A OOOOOX OOOOX Yes Default None												
60 M80A Yes ** NA ** None 61 M81 Yes ** NA ** None 62 M82 OOOOOX OOOOX Yes Default None 63 M83A OOOOOX OOOOX Yes Default None												
61 M81 Yes ** NA ** None 62 M82 OOOOOX OOOOX Yes Default None 63 M83A OOOOOX OOOOX Yes Default None												
62 M82 OOOOOX OOOOOX Yes Default None 63 M83A OOOOOX OOOOOX Yes Default None												
63 M83A OOOOOX OOOOOX Yes Default None			00000X	00000X								
	64							Yes				None



Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat	.Analysis	Inactive	Seismic
65	M85A					·	Yes	** NA **			None
66	M86						Yes	** NA **			None
67	M87						Yes	** NA **			None
68	M88A						Yes	** NA **			None
69	M89		BenPIN				Yes	** NA **			None
70	M90						Yes				None
71	M91A		BenPIN				Yes	** NA **			None
72	M92A						Yes	** NA **			None
73	M93						Yes	** NA **			None
74	M94		BenPIN				Yes	** NA **			None
75	M95						Yes				None
76	M96		BenPIN				Yes	** NA **			None
77	M97						Yes	** NA **			None
78	M98						Yes	** NA **			None
79	M99						Yes	** NA **			None
80	M82A						Yes	Default			None
81	M91B						Yes	Default			None
82	M84B						Yes	** NA **			None
83	MP3B						Yes	** NA **			None
84	M86A						Yes	** NA **			None
85	M87A						Yes	** NA **			None
86	M88B						Yes	** NA **			None
87	MP3A						Yes	** NA **			None
88	MP2A						Yes	** NA **			None
89	MP1A						Yes	** NA **			None
90	M96A						Yes	** NA **			None
91	M97A						Yes	** NA **			None
92	M98A						Yes	** NA **			None
93	MP6C						Yes	** NA **			None
94	MP2C						Yes	** NA **			None
95	MP5C						Yes	** NA **			None
96	M102						Yes	** NA **			None
97	M103						Yes	** NA **			None
98	M104						Yes	** NA **			None
99	M105						Yes	** NA **			None
100	M106						Yes	** NA **			None
101	M108						Yes	** NA **			None
102	M109		000000				Yes	** NA **			None
103	M110		000000				Yes	** NA **			None
104	M111		30000				Yes	** NA **			None
105	M112						Yes	** NA **			None
106	M113						Yes	** NA **			None
107	M114						Yes	** NA **			None
108	M115						Yes	** NA **			None
109	M116						Yes	** NA **			None
110	M118						Yes	** NA **			None
111	M119						Yes	** NA **			None
112	M120						Yes	** NA **			None
113	M122		000000				Yes	** NA **			None
114	M123		000000				Yes	** NA **			None
115	M124		000000				Yes	** NA **			None
116	M125		000000				Yes	** NA **			None
117	M126						Yes	** NA **			None
118	M127						Yes	** NA **			None
119	M128						Yes	** NA **			None
120	MP1C						Yes	** NA **			None
121	M121		000000				Yes	** NA **			None
141	191 1 🚣 1			1		1	100	1 14/7	1	1	110110



Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl RatAnalysis	Inactive	Seismic
122	M122A		000000				Yes	** NA **		None
123	M123A						Yes	** NA **		None
124	M124A						Yes	** NA **		None
125	M125A						Yes	** NA **		None
126	M126A						Yes	** NA **		None
127	M127A		000000				Yes	** NA **		None
128	M128A		000X00				Yes	** NA **		None
129	M129						Yes	** NA **		None
130	M130						Yes	** NA **		None
131	M131						Yes	** NA **		None
132	M132						Yes	** NA **		None
133	MP3C						Yes	** NA **		None
134	M134		000000				Yes	** NA **		None
135	M135		000000				Yes	** NA **		None
136	M136						Yes	** NA **		None
137	M137						Yes	** NA **		None
138	M138						Yes	** NA **		None
139	M139						Yes	** NA **		None
140	M140		000X00				Yes	** NA **		None
141	M141		000X00				Yes	** NA **		None
142	M142						Yes	** NA **		None
143	M143						Yes	** NA **		None
144	M144						Yes	** NA **		None
145	M145						Yes	** NA **		None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1C	Υ	-23	.5
2	MP1C	My	.013	.5
3	MP1C	Mz	.014	.5
4	MP1C	Υ	-23	4.5
5	MP1C	My	.013	4.5
6	MP1C	Mz	.014	4.5
7	MP1C	Υ	-23	.5
8	MP1C	My	017	.5
9	MP1C	Mz	.009	.5
10	MP1C	Υ	-23	4.5
11	MP1C	My	017	4.5
12	MP1C	Mz	.009	4.5
13	MP2A	Υ	-23	.5
14	MP2A	My	011	.5
15	MP2A	Mz	.015	.5
16	MP2A	Υ	-23	4.5
17	MP2A	My	011	4.5
18	MP2A	Mz	.015	4.5
19	MP2B	Υ	-23	.5
20	MP2B	My	.006	.5
21	MP2B	Mz	018	.5
22	MP2B	Υ	-23	4.5
23	MP2B	My	.006	4.5
24	MP2B	Mz	018	4.5
25	MP2A	Υ	-23	.5
26	MP2A	My	011	.5
27	MP2A	Mz	015	.5
28	MP2A	Υ	-23	4.5

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

	Form Loads (BLC 1 . A			
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2A	My	011	4.5
30	MP2A	Mz	015	4.5
31	MP2B	Y	-23	.5
32	MP2B	My	.016	.5
33	MP2B	Mz	.01	.5
34	MP2B	Υ	-23	4.5
35	MP2B	My	.016	4.5
36	MP2B	Mz	.01	4.5
37	MP3A	Y	-43.55	.5
38	MP3A	My	022	.5
39	MP3A	Mz	0	.5
40	MP3A	Y	-43.55	2
41	MP3A	My	022	2
42	MP3A	Mz	0	2
43	MP3C	Y	-43.55	.5
44	MP3C	My	004	.5
45	MP3C	Mz	.021	.5
46	MP3C	Y	-43.55	2
47	MP3C	My	004	2
48	MP3C	Mz	.021	2
49	MP4B	Y	-43.55	.5
50	MP4B	My	.02	.5
51	MP4B	Mz	007	.5 .5
52	MP4B	Y	-43.55	2
53	MP4B	My	.02	2
54	MP4B	Mz	007	2
55		Y	-4.4	5
	MP3A			<u> </u>
56	MP3A	My	002	5
57	MP3A	Mz	0	5
58	MP3C	Y	-4.4	5
59	MP3C	My	000382	5
60	MP3C	Mz	.002	5
61	MP4B	Y	-4.4	5
62	MP4B	My	.002	5
63	MP4B	Mz	000752	5
64	MP2A	Υ	-74.7	2
65	MP2A	My	.037	2
66	MP2A	Mz	0	2
67	MP2C	Y	-74.7	2
68	MP2C	My	.006	2
69	MP2C	Mz	037	2 2
70	MP3B	Y	-74.7	
71	MP3B	My	035	2 2
72	MP3B	Mz	.013	
73	MP1A	Υ	-70.3	2
74	MP1A	My	.035	2
75	MP1A	Mz	0	2
76	MP2B	Υ	-70.3	2
77	MP2B	My	033	2
78	MP2B	Mz	.012	2
79	MP5C	Y	-70.3	
80	MP5C	My	.006	2 2
81	MP5C	Mz	035	2
82	M103	Y	-32	2
83	M103	My	004	2
84	M103	Mz	007	2
U 1	IVITOO	IVIZ	001	4

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1C	Υ	-82.515	.5
2	MP1C	My	.047	.5
3	MP1C	Mz	.05	.5
4	MP1C	Υ	-82.515	4.5
5	MP1C	My	.047	4.5
6	MP1C	Mz	.05	4.5
7	MP1C	Υ	-82.515	.5
8	MP1C	My	061	.5
9	MP1C	Mz	.031	.5
10	MP1C	Υ	-82.515	4.5
11	MP1C	My	061	4.5
12	MP1C	Mz	.031	4.5
13	MP2A	Y	-82.515	.5
14	MP2A	My	041	.5
15	MP2A	Mz	.055	.5
16	MP2A	Υ	-82.515	4.5
17	MP2A	My	041	4.5
18	MP2A	Mz	.055	4.5
19	MP2B	Y	-82.515	.5
20	MP2B	My	.02	.5
21	MP2B	Mz	066	.5
22	MP2B	Y	-82.515	4.5
23	MP2B	My	.02	4.5
24	MP2B	Mz	066	4.5
25	MP2A	Y	-82.515	.5_
26	MP2A	My	041	.5
27	MP2A	Mz	055	.5
28	MP2A	Y	-82.515	4.5
29	MP2A	My	041	4.5
30	MP2A	Mz	055	4.5
31	MP2B	Y	-82.515	.5
32	MP2B	My	.058	.5
33	MP2B	Mz	.038	.5
34	MP2B	Y	-82.515	4.5
35	MP2B	My	.058	4.5
36	MP2B	Mz Y	.038	4.5
37	MP3A	<u> </u>	-35.636	.5
38	MP3A	My	018 0	.5 .5
39 40	MP3A	Mz Y		
41	MP3A MP3A	My	-35.636 018	2 2
42	MP3A	Mz	018	2
43	MP3C	Y	-35.636	.5
44	MP3C	My	003	.5
45	MP3C	Mz	.018	.5
46	MP3C	Y	-35.636	2
47	MP3C	My	003	2
48	MP3C	Mz	.018	2
49	MP4B	Y	-35.636	.5
50	MP4B	My	.017	.5
51	MP4B	Mz	006	.5
52	MP4B	Y	-35.636	2
53	MP4B	My	.017	2
54	MP4B	Mz	006	2
55	MP3A	Y	-13.458	5
56	MP3A	My	007	5
57	MP3A	Mz	0	5
U	IVII O/ \	1 1712		



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	Υ	-13.458	5
59	MP3C	My	001	5
60	MP3C	Mz	.007	5
61	MP4B	Υ	-13.458	5
62	MP4B	My	.006	5
63	MP4B	Mz	002	5
64	MP2A	Υ	-44.929	2
65	MP2A	My	.022	2
66	MP2A	Mz	0	2
67	MP2C	Υ	-44.929	2
68	MP2C	My	.004	2
69	MP2C	Mz	022	2
70	MP3B	Υ	-44.929	2
71	MP3B	My	021	2
72	MP3B	Mz	.008	2
73	MP1A	Υ	-42.786	2
74	MP1A	My	.021	2
75	MP1A	Mz	0	2
76	MP2B	Υ	-42.786	2
77	MP2B	My	02	2
78	MP2B	Mz	.007	2
79	MP5C	Υ	-42.786	2
80	MP5C	My	.004	2
81	MP5C	Mz	021	2
82	M103	Υ	-87.967	2
83	M103	My	011	2
84	M103	Mz	019	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1C	X	0	.5
2	MP1C	Z	-144.073	.5
3	MP1C	Mx	088	.5
4	MP1C	X	0	4.5
5	MP1C	Z	-144.073	4.5
6	MP1C	Mx	088	4.5
7	MP1C	X	0	.5
8	MP1C	Z	-144.073	.5
9	MP1C	Mx	054	.5
10	MP1C	X	0	4.5
11	MP1C	Z	-144.073	4.5
12	MP1C	Mx	054	4.5
13	MP2A	X	0	.5
14	MP2A	Z	-191.792	.5
15	MP2A	Mx	128	.5
16	MP2A	X	0	4.5
17	MP2A	Z	-191.792	4.5
18	MP2A	Mx	128	4.5
19	MP2B	X	0	.5
20	MP2B	Z	-186.036	.5
21	MP2B	Mx	.148	.5
22	MP2B	X	0	4.5
23	MP2B	Z	-186.036	4.5
24	MP2B	Mx	.148	4.5
25	MP2A	X	0	.5
26	MP2A	Z	-191.792	.5

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

	Marshaul abal			Location [ft 0/]
27	Member Label MP2A	Direction Mx	Magnitude[lb,k-ft] .128	Location[ft,%]
	MP2A MP2A	X	0	4.5
28		Z		
29	MP2A		-191.792	4.5
30	MP2A	Mx	.128	4.5
31	MP2B	X Z	0	.5
32	MP2B		-186.036	.5
33	MP2B	Mx	085	.5
34	MP2B	X	0	4.5
35	MP2B	Z	-186.036	4.5
36	MP2B	Mx	085	4.5
37	MP3A	X	0	.5_
38	MP3A	Z	-91.329	.5_
39	MP3A	Mx	0	.5
40	MP3A	X	0	2
41	MP3A	Z	-91.329	2
42	MP3A	Mx	0	2
43	MP3C	X	0	.5
44	MP3C	Z	-37.431	.5_
45	MP3C	Mx	018	.5
46	MP3C	X	0	2
47	MP3C	Z	-37.431	2
48	MP3C	Mx	018	2
49	MP4B	X	0	.5
50	MP4B	Z	-84.829	.5
51	MP4B	Mx	.015	.5
52	MP4B	X	0	2
53	MP4B	Z	-84.829	2
54	MP4B	Mx	.015	2
55	MP3A	X	0	5
56	MP3A	Z	-34.589	5
57	MP3A	Mx	0	5
58	MP3C	X	0	5
59	MP3C	Z	-7.621	5
60	MP3C	Mx	004	5
61	MP4B	X	0	5
62	MP4B	Z	-31.336	5
63	MP4B	Mx	.005	5
64	MP2A	X	0	2
65	MP2A	Z	-72.675	2
66	MP2A	Mx	0	2
67	MP2C	X	0	2
68	MP2C	Z	-49.306	2
69	MP2C	Mx	.024	2
70	MP3B	X	0	2
71	MP3B	Z	-69.856	2 2
72	MP3B	Mx	012	2
73	MP1A	X	0	2
74	MP1A	Z	-72.675	2
75	MP1A	Mx	0	2
76	MP2B	X	0	2
77	MP2B	Z	-69.345	2
78	MP2B	Mx	012	2
79	MP5C	X	0	2
80	MP5C	Z	-45.066	2
81	MP5C	Mx	.022	2
82	M103	X	0	2
83	M103	Z	-129.732	2
		<u>-</u>	1201102	_



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	M103	Mx	.028	2

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

1		Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
MPIC					.5
4 MP1C X 74.173 4.5 6 MP1C Z -128.471 4.5 6 MP1C Mx -0.36 4.5 7 MP1C X 74.173 5 8 MP1C X 74.173 5 9 MP1C MX -104 .5 10 MP1C X 74.173 4.5 11 MP1C X 74.173 4.5 11 MP1C X 74.173 4.5 11 MP1C X 74.173 4.5 12 MP1C MX -104 4.5 13 MP2A X 89.746 .5 14 MP2A X 89.746 .5 15 MP2A X 89.746 .4.5 16 MP2A X 89.746 .4.5 17 MP2A Z -155.444 4.5 18 MP2A					.5
5 MP1C Z -128.471 4.5 6 MP1C Mx -0.36 4.5 7 MP1C X 74.173 .5 8 MP1C X 74.173 .5 9 MP1C MX -1.04 .5 10 MP1C X 774.173 4.5 11 MP1C X 774.173 4.5 12 MP1C MX -1.04 4.5 12 MP1C MX -1.04 4.5 12 MP1C MX -9.04 4.5 13 MP2A X 89.746 .5 14 MP2A X 89.746 .5 15 MP2A X 89.746 .4.5 16 MP2A X 89.746 .4.5 17 MP2A Z -155.444 .4.5 18 MP2A MX -1419.92 .5 19 MP				036	.5
6 MP1C Mx -0.36 4.5 7 MP1C X 7.4173 .5 8 MP1C Z -128.471 .5 9 MP1C Mx -1.04 .5 10 MP1C X 74.173 4.5 11 MP1C Mx -1.04 4.5 13 MP2A X 89.746 5 14 MP2A X 89.746 5 15 MP2A X 89.746 4.5 17 MP2A X 89.746 4.5 17 MP2A X 81.459 5.5 19 MP2B X 81.459 5.5 20 MP2B			X		
7 MP1C X 74.173 5 9 MP1C Z .128.471 5 10 MP1C Mx 104 5 10 MP1C X 74.173 4.5 11 MP1C Z 128.471 4.5 12 MP1C MX 104 4.5 13 MP2A X 89.746 .5 14 MP2A Z 155.444 .5 15 MP2A X 89.746 .5 16 MP2A X 89.746 .5 16 MP2A X 89.746 .4.5 17 MP2A X 89.746 4.5 18 MP2A X 89.746 4.5 19 MP2B X 81.459 4.5 19 MP2B X 81.459 .5 20 MP2B X 81.459 .5 21 MP2B <td></td> <td></td> <td></td> <td></td> <td></td>					
8 MP1C Z -128,471 5 10 MP1C Mx -104 5 10 MP1C X 74,173 4.5 11 MP1C Z -128,471 4.5 12 MP1C Mx -104 4.5 13 MP2A X 89,746 .5 14 MP2A X 89,746 .5 15 MP2A X 89,746 .5 16 MP2A X 89,746 .5 16 MP2A X 89,746 4.5 17 MP2A X 89,746 4.5 17 MP2A X 89,746 4.5 18 MP2A X 89,746 4.5 19 MP2B X 81,459 .5 20 MP2B X 81,459 .5 21 MP2B X 81,459 .5 22 MP2B					
9			X		.5
10					.5
11		MP1C			.5
12			X		
13 MP2A X 89.746 .5 14 MP2A Z -155.444 .5 15 MP2A Mx -149 .5 16 MP2A X 89,746 4.5 17 MP2A Z -155.444 4.5 18 MP2A MX -149 4.5 19 MP2B X 81.459 .5 20 MP2B Z -141.092 .5 21 MP2B X 81.459 .5 21 MP2B X 81.459 .5 23 MP2B X 81.459 .5 23 MP2B X 81.459 4.5 23 MP2B X 81.459 4.5 23 MP2B X 81.459 4.5 24 MP2B X 81.459 4.5 25 MP2A X 89.746 .5 26 MP2A <td></td> <td></td> <td></td> <td></td> <td></td>					
14 MP2A Z -155.444 .5 16 MP2A X 89.746 4.5 17 MP2A Z -155.444 4.5 18 MP2A MX -149 4.5 19 MP2B X 81.459 .5 20 MP2B Z -141.092 .5 21 MP2B MX .132 .5 21 MP2B X 81.459 4.5 22 MP2B X 81.459 4.5 23 MP2B Z -141.092 .5 23 MP2B Z -1441.092 4.5 24 MP2B X 81.459 4.5 24 MP2B X 81.459 4.5 25 MP2A X 89.746 .5 5 26 MP2A X 89.746 .5 5 27 MP2A Mx .059 .5 <t< td=""><td></td><td></td><td></td><td></td><td>4.5</td></t<>					4.5
15 MP2A Mx -149 .5 16 MP2A X 89.746 4.5 17 MP2A Z -155.444 4.5 18 MP2A MX -149 4.5 19 MP2B X 81.459 .5 20 MP2B X 81.459 .5 21 MP2B MX .132 .5 22 MP2B X 81.459 4.5 23 MP2B X 81.459 4.5 23 MP2B X 81.459 4.5 24 MP2B X 81.459 4.5 24 MP2B X 81.459 4.5 24 MP2B X 81.459 4.5 25 MP2A X 89.746 .5 26 MP2A X 89.746 4.5 27 MP2A Mx .05 9 .5 28			X		.5
16 MP2A X 89,746 4.5 17 MP2A Z -155,444 4.5 18 MP2A Mx -149 4.5 19 MP2B X 81,459 .5 20 MP2B X 81,459 .5 21 MP2B MX .132 .5 21 MP2B X 81,459 4.5 22 MP2B X 81,459 4.5 23 MP2B X 81,459 4.5 24 MP2B X 81,459 4.5 24 MP2B X 89,746 .5 25 MP2A X 89,746 .5 26 MP2A X 89,746 .5 27 MP2A X 89,746 .5 28 MP2A X 89,746 4.5 29 MP2A X 89,746 4.5 30 MP2A		MP2A	_		.5
17 MP2A Z -155,444 4.5 18 MP2A Mx -149 4.5 19 MP2B X 81,459 .5 20 MP2B Z -141,092 .5 21 MP2B MX 81,459 4.5 22 MP2B X 81,459 4.5 23 MP2B Z -141,092 4.5 24 MP2B MX 3132 4.5 24 MP2B MX 3132 4.5 25 MP2A X 89,746 .5 26 MP2A Z -155,444 .5 27 MP2A X 89,746 4.5 29 MP2A X 89,746 4.5 30 MP2A X 89,746 4.5 30 MP2A X 89,746 4.5 31 MP2A X 81,459 4.5 31 M		MP2A			.5
18 MP2B X 81.459 .5 20 MP2B Z -141.092 .5 21 MP2B MX 132 .5 21 MP2B MX 132 .5 22 MP2B X 81.459 4.5 23 MP2B Z -141.092 4.5 24 MP2B MX 132 4.5 24 MP2B MX 132 4.5 25 MP2A X 89.746 .5 26 MP2A Z -155.444 .5 27 MP2A MX 059 .5 28 MP2A X 89.746 4.5 29 MP2A X 89.746 4.5 29 MP2A X 89.746 4.5 30 MP2A X 89.746 4.5 33 MP2B X 81.459 .5 32 MP2B	16	MP2A		89.746	
18 MP2B X 81.459 .5 20 MP2B Z -141.092 .5 21 MP2B Mx .132 .5 22 MP2B X 81.459 4.5 23 MP2B Z -141.092 4.5 24 MP2B MX .132 4.5 25 MP2A X 89.746 .5 26 MP2A X 89.746 .5 26 MP2A X 89.746 .5 26 MP2A X 89.746 .5 27 MP2A MX .059 .5 28 MP2A X 89.746 4.5 29 MP2A X 89.746 4.5 29 MP2A X 89.746 4.5 30 MP2A X 81.459 5 32 MP2B X 81.459 5 32 MP2B					4.5
20 MP2B Z -141.092 .5 21 MP2B Mx .132 .5 22 MP2B X 81.459 4.5 23 MP2B Z -141.092 4.5 24 MP2B Mx .132 4.5 24 MP2B Mx .132 4.5 25 MP2A X 89.746 .5 26 MP2A Z -155.444 .5 27 MP2A Mx .059 .5 28 MP2A X 89.746 4.5 29 MP2A X 89.746 4.5 30 MP2A X 89.746 4.5 31 MP2B X 81.459 .5 32 MP2B X 81.459 .5 32 MP2B X 81.459 4.5 33 MP2B X 81.459 4.5 34 MP2B <td></td> <td>MP2A</td> <td></td> <td>149</td> <td>4.5</td>		MP2A		149	4.5
20 MP2B Z -141.092 .5 21 MP2B Mx .132 .5 22 MP2B X 81.459 4.5 23 MP2B Z -141.092 4.5 24 MP2B Mx .132 4.5 24 MP2B Mx .132 4.5 24 MP2B Mx .132 4.5 25 MP2A X 89.746 .5 26 MP2A Z -155.444 .5 27 MP2A X 89.746 4.5 29 MP2A X 89.746 4.5 30 MP2A X 89.746 4.5 31 MP2B X 81.459 .5 32 MP2B X 81.459 .5 32 MP2B X 81.459 4.5 33 MP2B X 81.459 4.5 34 MP2B <td>19</td> <td>MP2B</td> <td>X</td> <td>81.459</td> <td>.5</td>	19	MP2B	X	81.459	.5
22 MP2B X 81.459 4.5 23 MP2B Z -141.092 4.5 24 MP2B Mx .132 4.5 25 MP2A X 89.746 .5 26 MP2A Z -155.444 .5 27 MP2A X 89.746 4.5 28 MP2A X 89.746 4.5 29 MP2A X 89.746 4.5 30 MP2A X 89.746 4.5 30 MP2A X 89.746 4.5 31 MP2A Z -155.444 4.5 30 MP2A X 81.459 4.5 31 MP2B X 81.459 .5 32 MP2B X 81.459 4.5 33 MP2B X 81.459 4.5 34 MP2B X 81.459 4.5 36 M	20	MP2B	Z	-141.092	
23 MP2B Z -141.092 4.5 24 MP2B Mx .132 4.5 25 MP2A X 89.746 .5 26 MP2A Z -155.444 .5 27 MP2A MX .059 .5 28 MP2A X 89.746 4.5 29 MP2A X 89.746 4.5 29 MP2A X 89.746 4.5 30 MP2A X 89.746 4.5 30 MP2A X 81.459 .5 31 MP2B X 81.459 .5 32 MP2B X 81.459 .5 33 MP2B X 81.459 4.5 34 MP2B X 81.459 4.5 35 MP2B X 81.459 4.5 36 MP2B X 81.459 4.5 36 MP2B <td>21</td> <td>MP2B</td> <td>Mx</td> <td></td> <td>.5</td>	21	MP2B	Mx		.5
24 MP2B Mx .132 4.5 25 MP2A X 89.746 .5 26 MP2A Z -155.444 .5 27 MP2A Mx .059 .5 28 MP2A X 89.746 4.5 29 MP2A X 89.746 4.5 30 MP2A X 81.459 .5 31 MP2B X 81.459 .5 31 MP2B X 81.459 .5 32 MP2B X 81.459 .5 34 MP2B X 81.459 4.5 35 MP2B X 81.459 4.5 36 MP2B X 81.459 4.5 35 MP2B X 81.459 4.5 36 MP2B X 81.459 4.5 36 MP2B X 81.459 4.5 36 MP2B	22	MP2B	X	81.459	4.5
24 MP2B Mx .132 4.5 25 MP2A X 89.746 .5 26 MP2A Z -155.444 .5 27 MP2A Mx .059 .5 28 MP2A X 89.746 4.5 29 MP2A Z -155.444 4.5 30 MP2A Mx .059 4.5 31 MP2B X 81.459 .5 32 MP2B X 81.459 .5 33 MP2B X 81.459 4.5 34 MP2B X 81.459 4.5 35 MP2B X 81.459 4.5 36 MP2B X 81.459 4.5 36 MP2B X 81.459 4.5 35 MP2B X 81.459 4.5 36 MP2B X 81.459 4.5 36 MP2B <td>23</td> <td>MP2B</td> <td>Z</td> <td></td> <td>4.5</td>	23	MP2B	Z		4.5
25 MP2A X 89.746 .5 26 MP2A Z -155.444 .5 27 MP2A Mx .059 .5 28 MP2A X 89.746 4.5 29 MP2A Z -155.444 4.5 30 MP2A Mx .059 4.5 31 MP2B X 81.459 .5 32 MP2B X 81.459 .5 33 MP2B X 81.459 .5 34 MP2B X 81.459 4.5 35 MP2B X 81.459 4.5 36 MP2B X 81.459 4.5 36 MP2B X 81.459 4.5 36 MP2B X 81.459 4.5 35 MP2B X 81.459 4.5 36 MP2B X 81.459 4.5 36 MP2B <td></td> <td>MP2B</td> <td>Mx</td> <td>.132</td> <td>4.5</td>		MP2B	Mx	.132	4.5
26 MP2A Z -155,444 .5 27 MP2A Mx .059 .5 28 MP2A X 89,746 4.5 29 MP2A Z -155,444 4.5 30 MP2A Mx .059 4.5 31 MP2B X 81,459 .5 32 MP2B Z -141,092 .5 33 MP2B Mx 007 .5 34 MP2B X 81,459 4.5 35 MP2B X 81,459 4.5 36 MP2B X 81,459 4.5 35 MP2B X 81,459 4.5 36 MP2B X 81,459 4.5 35 MP2B X 81,459 4.5 36 MP2B X 81,459 4.5 37 MP2B X 81,459 4.5 36 MP2B	25			89.746	
27 MP2A Mx .059 .5 28 MP2A X 89,746 4.5 29 MP2A Z -155,444 4.5 30 MP2A Mx .059 4.5 31 MP2B X 81,459 .5 32 MP2B Z -141,092 .5 33 MP2B Mx 007 .5 34 MP2B X 81,459 4.5 35 MP2B X 81,459 4.5 36 MP2B X 81,459 4.5 36 MP2B X 81,459 4.5 36 MP2B X 81,459 4.5 35 MP2B X 81,459 4.5 36 MP2B X 81,459 4.5 35 MP2B X 81,459 4.5 36 MP2B X 81,459 4.5 38 MP3B<			Z	-155.444	.5
28 MP2A X 89.746 4.5 29 MP2A Z -155.444 4.5 30 MP2A Mx .059 4.5 31 MP2B X 81.459 .5 32 MP2B Z -141.092 .5 33 MP2B MX 007 .5 34 MP2B X 81.459 4.5 35 MP2B X 81.459 4.5 36 MP2B X 81.459 4.5 35 MP2B X 81.459 4.5 36 MP2B X 81.459 4.5 37 MP3A X 38.718 .5 38 MP3A X 38.718 .5 39 MP3A X 38.718 2 41 MP3A X 38.718 2 41 MP3A X 38.718 2 42 MP3A			Mx	.059	
29 MP2A Z -155.444 4.5 30 MP2A Mx .059 4.5 31 MP2B X 81.459 .5 32 MP2B Z -141.092 .5 33 MP2B MX 007 .5 34 MP2B X 81.459 4.5 35 MP2B X 81.459 4.5 36 MP2B X 81.459 4.5 36 MP2B X 81.459 4.5 37 MP2B X 81.459 4.5 36 MP2B X 81.459 4.5 37 MP2B X 81.459 4.5 38 MP2B X 38.718 .5 39 MP3A X 38.718 .5 39 MP3A X 38.718 .2 41 MP3A X 38.718 .2 41 MP3A <td>28</td> <td>MP2A</td> <td>X</td> <td>89.746</td> <td>4.5</td>	28	MP2A	X	89.746	4.5
30 MP2A Mx .059 4.5 31 MP2B X 81.459 .5 32 MP2B Z -141.092 .5 33 MP2B Mx 007 .5 34 MP2B X 81.459 4.5 35 MP2B Z -141.092 4.5 36 MP2B Mx 007 4.5 37 MP3A X 38.718 .5 38 MP3A X 38.718 .5 39 MP3A Mx 019 .5 40 MP3A X 38.718 2 41 MP3A X 21.128 .5 44 MP3C	29	MP2A	Ζ	-155.444	4.5
31 MP2B X 81.459 .5 32 MP2B Z -141.092 .5 33 MP2B Mx 007 .5 34 MP2B X 81.459 4.5 35 MP2B X 81.459 4.5 36 MP2B X 81.41.092 4.5 36 MP2B X 38.718 .5 37 MP3A X 38.718 .5 38 MP3A X 38.718 .2 41 MP3A X 38.718 .2 42 MP3A<	30		Mx	.059	4.5
32 MP2B Z -141.092 .5 33 MP2B Mx 007 .5 34 MP2B X 81.459 4.5 35 MP2B Z -141.092 4.5 36 MP2B Mx 007 4.5 37 MP3A X 38.718 .5 38 MP3A X 38.718 .5 39 MP3A Mx 019 .5 40 MP3A X 38.718 2 41 MP3A X 38.718 2 41 MP3A X 38.718 2 42 MP3A X 38.718 2 42 MP3A X 2.019 .5 43 MP3A Mx 019 2 43 MP3C X 21.128 .5 44 MP3C X 21.128 .5 45 MP3C					
33 MP2B Mx 007 .5 34 MP2B X 81.459 4.5 35 MP2B Z -141.092 4.5 36 MP2B Mx 007 4.5 37 MP3A X 38.718 .5 38 MP3A Z -67.062 .5 39 MP3A Mx 019 .5 40 MP3A X 38.718 2 41 MP3A X 38.718 2 41 MP3A X 38.718 2 42 MP3A X 38.718 2 42 MP3A X 2.119 2 43 MP3A Mx 019 2 43 MP3C X 21.128 .5 45 MP3C X 21.128 2 45 MP3C X 21.128 2 47 MP3C					.5
34 MP2B X 81.459 4.5 35 MP2B Z -141.092 4.5 36 MP2B MX 007 4.5 37 MP3A X 38.718 .5 38 MP3A Z -67.062 .5 39 MP3A MX 019 .5 40 MP3A X 38.718 2 41 MP3A X 38.718 2 42 MP3A X 21.128 2 43 MP3C X 21.128 .5 44 MP3C X 21.128 .5 45 MP3C X 21.128 2 47 MP3C X 21.128 2 47 MP3C <td< td=""><td>33</td><td>MP2B</td><td>Mx</td><td>007</td><td>.5</td></td<>	33	MP2B	Mx	007	.5
35 MP2B Z -141.092 4.5 36 MP2B Mx 007 4.5 37 MP3A X 38.718 .5 38 MP3A Z -67.062 .5 39 MP3A Mx 019 .5 40 MP3A X 38.718 2 41 MP3A X 38.718 2 41 MP3A Z -67.062 2 42 MP3A Mx 019 2 43 MP3C X 21.128 .5 44 MP3C X 21.128 .5 45 MP3C X 21.128 2 46 MP3C X 21.128 2 47 MP3C X 21.128 2 48 MP3C Mx 02 2 48 MP3C Mx 29.359 .5 50 MP4B <td< td=""><td></td><td></td><td></td><td>81.459</td><td>4.5</td></td<>				81.459	4.5
36 MP2B Mx 007 4.5 37 MP3A X 38.718 .5 38 MP3A Z -67.062 .5 39 MP3A Mx 019 .5 40 MP3A X 38.718 2 41 MP3A Z -67.062 2 42 MP3A Mx 019 2 43 MP3C X 21.128 .5 44 MP3C Z -36.595 .5 45 MP3C Mx 02 .5 46 MP3C X 21.128 2 47 MP3C X 21.128 2 48 MP3C Mx 02 2 48 MP3C Mx 02 2 49 MP4B X 29.359 .5 50 MP4B X 29.359 .5 50 MP4B X </td <td>35</td> <td></td> <td>Z</td> <td>-141.092</td> <td>4.5</td>	35		Z	-141.092	4.5
38 MP3A Z -67.062 .5 39 MP3A Mx 019 .5 40 MP3A X 38.718 2 41 MP3A Z -67.062 2 42 MP3A Mx 019 2 43 MP3C X 21.128 .5 44 MP3C Z -36.595 .5 45 MP3C Mx 02 .5 46 MP3C X 21.128 2 47 MP3C X 21.128 2 48 MP3C Mx 02 2 49 MP4B X 29.359 .5 50 MP4B X 29.359 .5 51 MP4B Mx .022 .5			Mx	007	
38 MP3A Z -67.062 .5 39 MP3A Mx 019 .5 40 MP3A X 38.718 2 41 MP3A Z -67.062 2 42 MP3A Mx 019 2 43 MP3C X 21.128 .5 44 MP3C Z -36.595 .5 45 MP3C Mx 02 .5 46 MP3C X 21.128 2 47 MP3C X 21.128 2 48 MP3C Mx 02 2 49 MP4B X 29.359 .5 50 MP4B X 29.359 .5 51 MP4B Mx .022 .5			X		.5
39 MP3A Mx 019 .5 40 MP3A X 38.718 2 41 MP3A Z -67.062 2 42 MP3A Mx 019 2 43 MP3C X 21.128 .5 44 MP3C Z -36.595 .5 45 MP3C Mx 02 .5 46 MP3C X 21.128 2 47 MP3C Z -36.595 2 48 MP3C Mx 02 2 49 MP4B X 29.359 .5 50 MP4B Z -50.851 .5 51 MP4B Mx .022 .5			Z		.5
40 MP3A X 38.718 2 41 MP3A Z -67.062 2 42 MP3A Mx 019 2 43 MP3C X 21.128 .5 44 MP3C Z -36.595 .5 45 MP3C Mx 02 .5 46 MP3C X 21.128 2 47 MP3C Z -36.595 2 48 MP3C Mx 02 2 49 MP4B X 29.359 .5 50 MP4B Z -50.851 .5 51 MP4B Mx .022 .5					.5
41 MP3A Z -67.062 2 42 MP3A Mx 019 2 43 MP3C X 21.128 .5 44 MP3C Z -36.595 .5 45 MP3C Mx 02 .5 46 MP3C X 21.128 2 47 MP3C Z -36.595 2 48 MP3C Mx 02 2 49 MP4B X 29.359 .5 50 MP4B Z -50.851 .5 51 MP4B Mx .022 .5					
42 MP3A Mx 019 2 43 MP3C X 21.128 .5 44 MP3C Z -36.595 .5 45 MP3C Mx 02 .5 46 MP3C X 21.128 2 47 MP3C Z -36.595 2 48 MP3C Mx 02 2 49 MP4B X 29.359 .5 50 MP4B Z -50.851 .5 51 MP4B Mx .022 .5					2
43 MP3C X 21.128 .5 44 MP3C Z -36.595 .5 45 MP3C Mx 02 .5 46 MP3C X 21.128 2 47 MP3C Z -36.595 2 48 MP3C Mx 02 2 49 MP4B X 29.359 .5 50 MP4B Z -50.851 .5 51 MP4B Mx .022 .5					2
44 MP3C Z -36.595 .5 45 MP3C Mx 02 .5 46 MP3C X 21.128 2 47 MP3C Z -36.595 2 48 MP3C Mx 02 2 49 MP4B X 29.359 .5 50 MP4B Z -50.851 .5 51 MP4B Mx .022 .5			Χ	21.128	.5
45 MP3C Mx 02 .5 46 MP3C X 21.128 2 47 MP3C Z -36.595 2 48 MP3C Mx 02 2 49 MP4B X 29.359 .5 50 MP4B Z -50.851 .5 51 MP4B Mx .022 .5	44		Z	-36.595	.5
46 MP3C X 21.128 2 47 MP3C Z -36.595 2 48 MP3C Mx 02 2 49 MP4B X 29.359 .5 50 MP4B Z -50.851 .5 51 MP4B Mx .022 .5	45				.5
47 MP3C Z -36.595 2 48 MP3C Mx 02 2 49 MP4B X 29.359 .5 50 MP4B Z -50.851 .5 51 MP4B Mx .022 .5			X		2
48 MP3C Mx 02 2 49 MP4B X 29.359 .5 50 MP4B Z -50.851 .5 51 MP4B Mx .022 .5	47				2
49 MP4B X 29.359 .5 50 MP4B Z -50.851 .5 51 MP4B Mx .022 .5					2
50 MP4B Z -50.851 .5 51 MP4B Mx .022 .5	49		X		.5
51 MP4B Mx .022 .5			Z		.5
52 MP4B X 29.359 2	51		Mx		.5
	52	MP4B	Х	29.359	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP4B	Z	-50.851	2
54	MP4B	Mx	.022	2
55	MP3A	X	13.819	5
56	MP3A	Z	-23.935	5
57	MP3A	Mx	007	5
58	MP3C	X	5.018	5
59	MP3C	Z	-8.691	5
60	MP3C	Mx	005	5
61	MP4B	X	9.136	5
62	MP4B	Z	-15.824	5
63	MP4B	Mx	.007	5
64	MP2A	X	33.326	2
65	MP2A	Z	-57.722	2
66	MP2A	Mx	.017	2
67	MP2C	X	25.699	2
68	MP2C	Z	-44.512	2
69	MP2C	Mx	.024	2
70	MP3B	X	29.268	2
71	MP3B	Z	-50.693	2
72	MP3B	Mx	022	2
73	MP1A	X	32.779	2
74	MP1A	Z	-56.775	2
75	MP1A	Mx	.016	2
76	MP2B	X	27.985	2
77	MP2B	Z	-48.471	2
78	MP2B	Mx	021	2
79	MP5C	X	23.769	2
80	MP5C	Z	-41.169	2
81	MP5C	Mx	.022	2
82	M103	X	74.217	2
83	M103	Z	-128.548	2
84	M103	Mx	.019	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1C	X	148.491	.5
2	MP1C	Z	-85.731	.5
3	MP1C	Mx	.032	.5
4	MP1C	X	148.491	4.5
5	MP1C	Z	-85.731	4.5
6	MP1C	Mx	.032	4.5
7	MP1C	X	148.491	.5
8	MP1C	Z	-85.731	.5
9	MP1C	Mx	143	.5
10	MP1C	X	148.491	4.5
11	MP1C	Z	-85.731	4.5
12	MP1C	Mx	143	4.5
13	MP2A	X	134.139	.5
14	MP2A	Z	-77.445	.5
15	MP2A	Mx	119	.5
16	MP2A	Χ	134.139	4.5
17	MP2A	Z	-77.445	4.5
18	MP2A	Mx	119	4.5
19	MP2B	X	124.771	.5
20	MP2B	Z	-72.037	.5
21	MP2B	Mx	.088	.5

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

WICIII	ber Point Loads (BLC 5 : Ar			
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2B	X	124.771	4.5
23	MP2B	Z	-72.037	4.5
24	MP2B	Mx	.088	4.5
25	MP2A	X	134.139	.5
26	MP2A	Z	-77.445	.5
27	MP2A	Mx	015	.5
28	MP2A	X	134.139	4.5
29	MP2A	Z	-77.445	4.5
30	MP2A	Mx	015	4.5
31	MP2B	X	124.771	.5
32	MP2B	Z	-72.037	.5
33	MP2B	Mx	.054	.5
34	MP2B	X	124.771	4.5
35	MP2B	Z	-72.037	4.5
36	MP2B	Mx	.054	4.5
37	MP3A	X	42.997	.5
38	MP3A	Z	-24.824	.5
39	MP3A	Mx	021	.5
40	MP3A	X	42.997	2
41	MP3A	Z	-24.824	2
42	MP3A	Mx	021	2
43	MP3C	X	59.208	.5
44	MP3C	Z	-34.184	.5
45	MP3C	Mx	022	.5
46	MP3C	X	59.208	2
47	MP3C	Z	-34.184	2
48	MP3C	Mx	022	2
49	MP4B	X	32.416	.5
50	MP4B	Z	-18.716	.5
51	MP4B	Mx	.018	.5
52	MP4B	X	32.416	2
53	MP4B	Z	-18.716	2
54	MP4B	Mx	.018	2
55	MP3A	X	11.894	5
56	MP3A	Z	-6.867	5
57	MP3A	Mx	006	5
58	MP3C	X	20.005	5
59	MP3C	Z	-11.55	5
60	MP3C	Mx	007	5
61	MP4B	X	6.6	5
62	MP4B	Z	-3.811	5
63	MP4B	Mx	.004	5
64	MP2A	X	47.288	2
65	MP2A	Z	-27.302	2
66	MP2A	Mx	.024	2
67	MP2C	X	54.317	2
68	MP2C	Z	-31.36	2
69	MP2C	Mx	.02	2
70	MP3B	X	42.7	2
71	MP3B	Z	-24.653	2
72	MP3B	Mx	024	2
73	MP1A	Y	44.448	2
74	MP1A	X	-25.662	2 2
75	MP1A	Mx	.022	2
76	MP2B	X	39.028	2
77	MP2B	Z	-22.533	2
78	MP2B	Mx	022	2
70	IVII ZD	IVIA	022	_

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP5C	X	52.752	2
80	MP5C	Z	-30.456	2
81	MP5C	Mx	.02	2
82	M103	X	136.647	2
83	M103	Z	-78.893	2
84	M103	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1C	X	190.308	.5
2	MP1C	Z	0	.5
3	MP1C	Mx	.108	.5
4	MP1C	X	190.308	4.5
5	MP1C	Z	0	4.5
6	MP1C	Mx	.108	4.5
7	MP1C	X	190.308	.5
8	MP1C	Z	0	.5
9	MP1C	Mx	141	.5
10	MP1C	X	190.308	4.5
11	MP1C	Z	0	4.5
12	MP1C	Mx	141	4.5
13	MP2A		142.59	.5
14	MP2A	X	0	.5
15	MP2A	Mx	071	.5
16	MP2A	X	142.59	4.5
17	MP2A	Ž	0	4.5
18	MP2A	Mx	071	4.5
19	MP2B	X	148.345	.5
20	MP2B	Ž	0	.5
21	MP2B	Mx	.036	.5
22	MP2B	X	148.345	4.5
23	MP2B	Ž	0	4.5
24	MP2B	Mx	.036	4.5
25	MP2A	X	142.59	.5
26	MP2A	Z	0	.5
27	MP2A	Mx	071	.5
28	MP2A	X	142.59	4.5
29	MP2A	Z	0	4.5
30	MP2A	Mx	071	4.5
31	MP2B	X	148.345	.5
32	MP2B	Z	0	.5
33	MP2B	Mx	.104	.5
34	MP2B	X	148.345	4.5
35	MP2B	Z	0	4.5
36	MP2B	Mx	.104	4.5
37	MP3A	X	35.755	.5
38	MP3A	Z	0	.5
39	MP3A	Mx	018	.5
40	MP3A	X	35.755	2
41	MP3A	Z	0	
42	MP3A	Mx	018	2 2
43	MP3C	Y	89.654	.5
44	MP3C	X	0	.5
45	MP3C	Mx	008	.5
46	MP3C	X	89.654	2
47	MP3C	Z	09.034	2
47	IVIFOU		<u> </u>	



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP3C	Mx	008	2
49	MP4B	X	42.256	.5
50	MP4B	Z	0	.5
51	MP4B	Mx	.02	.5
52	MP4B	X	42.256	2
53	MP4B	Z	0	2
54	MP4B	Mx	.02	2
55	MP3A	X	6.783	5
56	MP3A	Z	0	5
57	MP3A	Mx	003	5
58	MP3C	X	33.75	5
59	MP3C	Z	0	5
60	MP3C	Mx	003	5
61	MP4B	X	10.036	5
62	MP4B	Z	0	5
63	MP4B	Mx	.005	5
64	MP2A	X	48.58	2
65	MP2A	Z	0	2
66	MP2A	Mx	.024	2
67	MP2C	X	71.948	2
68	MP2C	Z	0	2
69	MP2C	Mx	.006	2
70	MP3B	X	51.398	2
71	MP3B	Z	0	2
72	MP3B	Mx	024	2
73	MP1A	X	44.207	2
74	MP1A	Z	0	2
75	MP1A	Mx	.022	2
76	MP2B	X	47.537	2
77	MP2B	Z	0	2
78	MP2B	Mx	022	2
79	MP5C	X	71.817	2
80	MP5C	Z	0	2
81	MP5C	Mx	.006	2
82	M103	X	148.435	2
83	M103	Z	0	2
84	M103	Mx	019	2

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

	Del I Ollit Loads (DLO I . Alli	Comma IVO (120 BC	9//	
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1C	X	161.112	.5
2	MP1C	Z	93.018	.5
3	MP1C	Mx	.148	.5
4	MP1C	X	161.112	4.5
5	MP1C	Z	93.018	4.5
6	MP1C	Mx	.148	4.5
7	MP1C	X	161.112	.5
8	MP1C	Z	93.018	.5
9	MP1C	Mx	085	.5
10	MP1C	X	161.112	4.5
11	MP1C	Z	93.018	4.5
12	MP1C	Mx	085	4.5
13	MP2A	Χ	134.139	.5
14	MP2A	Z	77.445	.5
15	MP2A	Mx	015	.5
16	MP2A	X	134.139	4.5

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

WICIIII	ber Point Loads (BLC 7 : An			
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP2A	Z	77.445	4.5
18	MP2A	Mx	015	4.5
19	MP2B	X	148.491	.5
20	MP2B	Z	85.731	.5
21	MP2B	Mx	032	.5
22	MP2B	X	148.491	4.5
23	MP2B	Z	85.731	4.5
24	MP2B	Mx	032	4.5
25	MP2A	X	134.139	.5
26	MP2A	Z	77.445	.5
27	MP2A	Mx	119	.5
28	MP2A	X	134.139	4.5
29		Z		4.5
	MP2A		77.445	4.5
30	MP2A	Mx	119	
31	MP2B	X	148.491	.5
32	MP2B	Z	85.731	.5
33	MP2B	Mx	.143	.5
34	MP2B	X	148.491	4.5
35	MP2B	Z	85.731	4.5
36	MP2B	Mx	.143	4.5
37	MP3A	X	42.997	.5_
38	MP3A	Z	24.824	.5
39	MP3A	Mx	021	.5
40	MP3A	X	42.997	2
41	MP3A	Z	24.824	2
42	MP3A	Mx	021	2
43	MP3C	X	73.464	.5
44	MP3C	Z	42.414	.5
45	MP3C	Mx	.015	.5
46	MP3C	X	73.464	2
47	MP3C	Z	42.414	2
48	MP3C	Mx	.015	2
49	MP4B	X	59.208	.5
50	MP4B	Z	34.184	.5
51	MP4B	Mx	.022	.5
52	MP4B	X	59.208	2
53	MP4B	Z	34.184	2
54	MP4B	Mx	.022	2
55	MP3A	X	11.894	5
56	MP3A MP3A	7		5
57		_	6.867	
	MP3A	Mx	006	5
58	MP3C	X Z	27.138	5
59	MP3C		15.668	5
60	MP3C	Mx	.005	5
61	MP4B	X	20.005	5
62	MP4B	Z	11.55	5
63	MP4B	Mx	.007	5
64	MP2A	X	47.288	2
65	MP2A	Z	27.302	2
66	MP2A	Mx	.024	2
67	MP2C	X	60.497	2
68	MP2C	Z	34.928	2
69	MP2C	Mx	012	2
70	MP3B	X	54.317	2
71	MP3B	Z	31.36	2
72	MP3B	Mx	02	2
73	MP1A	X	44.448	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP1A	Z	25.662	2
75	MP1A	Mx	.022	2
76	MP2B	X	52.752	2
77	MP2B	Z	30.456	2
78	MP2B	Mx	02	2
79	MP5C	X	60.054	2
80	MP5C	Z	34.672	2
81	MP5C	Mx	012	2
82	M103	X	112.351	2
83	M103	Z	64.866	2
84	M103	Mx	028	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1C	X	81.459	.5
2	MP1C	Z	141.092	.5
3	MP1C	Mx	.132	.5
4	MP1C	X	81.459	4.5
5	MP1C	Z	141.092	4.5
6	MP1C	Mx	.132	4.5
7	MP1C	X	81.459	.5
8	MP1C	Z	141.092	.5
9	MP1C	Mx	007	.5
10	MP1C	X	81.459	4.5
11	MP1C	Z	141.092	4.5
12	MP1C	Mx	007	4.5
13	MP2A	X	89.746	.5
14	MP2A	Z	155.444	.5
15	MP2A	Mx	.059	.5
16	MP2A	X	89.746	4.5
17	MP2A	Z	155.444	4.5
18	MP2A	Mx	.059	4.5
19	MP2B	X	95.154	.5
20	MP2B	Z	164.812	.5
21	MP2B	Mx	108	.5
22	MP2B	X	95.154	4.5
23	MP2B	Z	164.812	4.5
24	MP2B	Mx	108	4.5
25	MP2A	X	89.746	.5
26	MP2A	Z	155.444	.5
27	MP2A	Mx	149	.5
28	MP2A	X	89.746	4.5
29	MP2A	Z	155.444	4.5
30	MP2A	Mx	149	4.5
31	MP2B	X	95.154	.5
32	MP2B	Z	164.812	.5
33	MP2B	Mx	.141	.5
34	MP2B	X	95.154	4.5
35	MP2B	Z	164.812	4.5
36	MP2B	Mx	.141	4.5
37	MP3A	X	38.718	.5
38	MP3A	Z	67.062	.5
39	MP3A	Mx	019	.5
40	MP3A	X	38.718	2
41	MP3A	Z	67.062	2
42	MP3A	Mx	019	2

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

MICH	iber Form Loads (BLC 0 . Ar	terma WO (100 D	cg// (Oommaca)	
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP3C	X	29.359	.5
44	MP3C	Z	50.851	.5
45	MP3C	Mx	.022	.5
46	MP3C	X	29.359	2
47	MP3C	Z	50.851	2
48	MP3C	Mx	.022	2
49	MP4B	X	44.827	.5
50	MP4B	Z	77.642	.5
51	MP4B	Mx	.008	.5
52	MP4B	X	44.827	2
53	MP4B	Z	77.642	2
54	MP4B	Mx	.008	2
55	MP3A	X	13.819	5
56	MP3A	Z	23.935	5
57	MP3A	Mx	007	5
58	MP3C	X	9.136	5
59	MP3C	Z	15.824	5
60	MP3C	Mx	.007	5
61	MP4B	X	16.875	5
62	MP4B	Z	29.229	5
63	MP4B	Mx	.003	5
64	MP2A	X	33.326	2
65	MP2A	Z	57.722	2
66	MP2A	Mx	.017	2
67	MP2C	X	29.268	2
68	MP2C	Z	50.693	2
69	MP2C	Mx	022	2
70	MP3B	X	35.974	2
71	MP3B	Z	62.309	2
72	MP3B	Mx	006	2
73	MP1A	X	32.779	2
74	MP1A	Z	56.775	2
75	MP1A	Mx	.016	2
76	MP2B	X	35.908	2
77	MP2B	Z	62.195	2
78	MP2B	Mx	006	2
79	MP5C	X	27.985	2
80	MP5C	Z	48.471	2
81	MP5C	Mx	021	2
82	M103	X	60.19	2
83	M103	Z	104.252	2
84	M103	Mx	03	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1C	X	0	.5
2	MP1C	Z	144.073	.5
3	MP1C	Mx	.088	.5
4	MP1C	X	0	4.5
5	MP1C	Z	144.073	4.5
6	MP1C	Mx	.088	4.5
7	MP1C	X	0	.5
8	MP1C	Z	144.073	.5
9	MP1C	Mx	.054	.5
10	MP1C	X	0	4.5
11	MP1C	Z	144.073	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP1C	Mx	.054	4.5
13	MP2A	X	0	.5
14	MP2A	Z	191.792	.5
15	MP2A	Mx	.128	.5
16	MP2A	X	0	4.5
17	MP2A	Z	191.792	4.5
18	MP2A	Mx	.128	4.5
19	MP2B	X	0	.5
20	MP2B	Z	186.036	.5
21	MP2B	Mx	148	.5
22	MP2B	X	0	4.5
23	MP2B	Z	186.036	4.5
24	MP2B	Mx	148	4.5
25	MP2A	X	0	.5
26	MP2A	Z	191.792	.5
27	MP2A	Mx	128	.5
28	MP2A	X	0	4.5
29	MP2A	Z	191.792	4.5
30	MP2A	Mx	128	4.5
31	MP2B	X	0	.5
32	MP2B	Z	186.036	.5
33	MP2B	Mx	.085	.5
34	MP2B	X	0	4.5
35	MP2B	Z	186.036	4.5
36	MP2B	Mx	.085	4.5
37	MP3A	X	0	.5
38	MP3A	Z	91.329	.5
39	MP3A	Mx	0	.5
40	MP3A	X	0	2
41	MP3A	Z	91.329	2
42	MP3A	Mx	0	2
43	MP3C	X	0	.5
44	MP3C	Z	37.431	.5
45	MP3C	Mx	.018	.5
46	MP3C	X	0	2
47	MP3C	Z	37.431	2
48	MP3C	Mx	.018	2
49	MP4B	X	0	.5
50	MP4B	Z	84.829	.5
51	MP4B	Mx	015	.5
52	MP4B	X Z	0	2 2
53	MP4B		84.829	
54	MP4B	Mx	015	2
<u>55</u>	MP3A	X Z	0 34.589	<u>5</u>
<u>56</u>	MP3A) F
57 58	MP3A MP3C	Mx X	0	<u>5</u>
		Z		5
59 60	MP3C MP3C	Mx	7.621	<u>5</u>
61	MP3C MP4B	X	0	5
62	MP4B MP4B	Z	31.336	5
63	MP4B	Mx	005	5
64	MP2A	X	005	2
65	MP2A	Z	72.675	2
66	MP2A	Mx	0	2
67	MP2C	X	0	2
68	MP2C	Z	49.306	2
UU	IVIFZU		43.300	



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP2C	Mx	024	2
70	MP3B	X	0	2
71	MP3B	Z	69.856	2
72	MP3B	Mx	.012	2
73	MP1A	X	0	2
74	MP1A	Z	72.675	2
75	MP1A	Mx	0	2
76	MP2B	X	0	2
77	MP2B	Z	69.345	2
78	MP2B	Mx	.012	2
79	MP5C	X	0	2
80	MP5C	Z	45.066	2
81	MP5C	Mx	022	2
82	M103	X	0	2
83	M103	Z	129.732	2
84	M103	Mx	028	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1C	X	-74.173	.5
2	MP1C	Z	128.471	.5
3	MP1C	Mx	.036	.5
4	MP1C	X	-74.173	4.5
5	MP1C	Z	128.471	4.5
6	MP1C	Mx	.036	4.5
7	MP1C	X	-74.173	.5
8	MP1C	Z	128.471	.5
9	MP1C	Mx	.104	.5
10	MP1C	X	-74.173	4.5
11	MP1C	Z	128.471	4.5
12	MP1C	Mx	.104	4.5
13	MP2A	X	-89.746	.5
14	MP2A	Z	155.444	.5
15	MP2A	Mx	.149	.5
16	MP2A	X	-89.746	4.5
17	MP2A	Z	155.444	4.5
18	MP2A	Mx	.149	4.5
19	MP2B	X	-81.459	.5
20	MP2B	Z	141.092	.5
21	MP2B	Mx	132	.5
22	MP2B	X	-81.459	4.5
23	MP2B	Z	141.092	4.5
24	MP2B	Mx	132	4.5
25	MP2A	X	-89.746	.5
26	MP2A	Z	155.444	.5
27	MP2A	Mx	059	.5
28	MP2A	X	-89.746	4.5
29	MP2A	Z	155.444	4.5
30	MP2A	Mx	059	4.5
31	MP2B	X	-81.459	.5
32	MP2B	Z	141.092	.5
33	MP2B	Mx	.007	.5
34	MP2B	X	-81.459	4.5
35	MP2B	Z	141.092	4.5
36	MP2B	Mx	.007	4.5
37	MP3A	X	-38.718	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP3A	Z	67.062	.5
39	MP3A	Mx	.019	.5
40	MP3A	X	-38.718	2
41	MP3A	Ž	67.062	2
42	MP3A	Mx	.019	2
43	MP3C	X	-21.128	.5
44	MP3C	Ž	36.595	.5
45	MP3C	Mx	.02	.5
46	MP3C	X	-21.128	2
47	MP3C	Z	36.595	2
48	MP3C	Mx	.02	2
49	MP4B	X	-29.359	.5
50	MP4B	Ž	50.851	.5
51	MP4B	Mx	022	.5
52	MP4B	X	-29.359	2
53	MP4B	Z	50.851	2
54	MP4B	Mx	022	2
55	MP3A	X	-13.819	5
56	MP3A	Z	23.935	5
57	MP3A	Mx	.007	5
58	MP3C	X	-5.018	5
59	MP3C	Z	8.691	5
60	MP3C	Mx	.005	5
61	MP4B	X	-9.136	5
62	MP4B	Z	15.824	5
63	MP4B	Mx	007	5
64	MP2A	X	-33.326	2
65	MP2A	Z	57.722	2
66	MP2A	Mx	017	2
67	MP2C	X	-25.699	2
68	MP2C	Z	44.512	2
69	MP2C	Mx	024	2
70	MP3B	X	-29.268	2
71	MP3B	Z	50.693	2
72	MP3B	Mx	.022	2
73	MP1A	X	-32.779	2
74	MP1A	Z	56.775	2
75	MP1A	Mx	016	2
76	MP2B	X	-27.985	2
77	MP2B	Z	48.471	2
78	MP2B	Mx	.021	2
79	MP5C	X	-23.769	2
80	MP5C	Z	41.169	2
81	MP5C	Mx	022	2
82	M103	X	-74.217	2
83	M103	Z	128.548	2
84	M103	Mx	019	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1C	X	-148.491	.5
2	MP1C	Z	85.731	.5
3	MP1C	Mx	032	.5
4	MP1C	X	-148.491	4.5
5	MP1C	Z	85.731	4.5
6	MP1C	Mx	032	4.5

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

			Magnitude [lb k ft]	Location Ift 0/1
7	Member Label MP1C	Direction X	Magnitude[lb,k-ft] -148.491	Location[ft,%] .5
8	MP1C	Z	85.731	.5
9	MP1C	Mx	.143	.5
10	MP1C	X	-148.491	4.5
11	MP1C	Z	85.731	4.5
12	MP1C	Mx	.143	4.5
13	MP2A	X	-134.139	.5
14	MP2A	Z	77.445	.5
15	MP2A	Mx	.119	.5
16	MP2A	X	-134.139	4.5
17	MP2A	Z	77.445	4.5
18	MP2A	Mx	.119	4.5
19	MP2B	X	-124.771	.5
20	MP2B	Z	72.037	.5
21	MP2B	Mx	088	.5
22	MP2B	X	-124.771	4.5
23	MP2B	Z	72.037	4.5
24	MP2B	Mx	088	4.5
25	MP2A	X	-134.139	.5
26	MP2A	Z	77.445	.5
27	MP2A	Mx	.015	.5
28	MP2A	X	-134.139	4.5
29	MP2A	Ž	77.445	4.5
30	MP2A	Mx	.015	4.5
31	MP2B	X	-124.771	.5
32	MP2B	Z	72.037	.5
33	MP2B	Mx	054	.5
34	MP2B	X	-124.771	4.5
35	MP2B	Z	72.037	4.5
36	MP2B	Mx	054	4.5
37	MP3A	X	-42.997	.5
38	MP3A	Z	24.824	.5
39	MP3A	Mx	.021	.5
40	MP3A	X	-42.997	2
41	MP3A	Z	24.824	2
42	MP3A	Mx	.021	2
43	MP3C	X	-59.208	.5
44	MP3C	Z	34.184	.5
45	MP3C	Mx	.022	.5
46	MP3C	X	-59.208	2
47	MP3C	Z	34.184	2
48	MP3C	Mx	.022	2
49	MP4B	X	-32.416	.5
50	MP4B	Z	18.716	.5
51	MP4B	Mx	018	.5
52	MP4B	X	-32.416	2
53	MP4B	Z	18.716	2
54	MP4B	Mx	018	2
55	MP3A	X	-11.894	5
<u>56</u>	MP3A	Z	6.867	5
57	MP3A	Mx	.006	5
58	MP3C	X	-20.005	5
59	MP3C	Z	11.55	5
60	MP3C	Mx	.007	5
61	MP4B	X	-6.6	5
62	MP4B	Z	3.811	5
63	MP4B	Mx	004	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP2A	X	-47.288	2
65	MP2A	Z	27.302	2
66	MP2A	Mx	024	2
67	MP2C	X	-54.317	2
68	MP2C	Z	31.36	2
69	MP2C	Mx	02	2
70	MP3B	Χ	-42.7	2
71	MP3B	Z	24.653	2
72	MP3B	Mx	.024	2
73	MP1A	X	-44.448	2
74	MP1A	Z	25.662	2
75	MP1A	Mx	022	2
76	MP2B	Χ	-39.028	2
77	MP2B	Z	22.533	2
78	MP2B	Mx	.022	2
79	MP5C	X	-52.752	2
80	MP5C	Z	30.456	2
81	MP5C	Mx	02	2
82	M103	X	-136.647	2
83	M103	Z	78.893	2
84	M103	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1C	X	-190.308	.5
2	MP1C	Z	0	.5
3	MP1C	Mx	108	.5
4	MP1C	X	-190.308	4.5
5	MP1C	Z	0	4.5
6	MP1C	Mx	108	4.5
7	MP1C	X	-190.308	.5
8	MP1C	Z	0	.5
9	MP1C	Mx	.141	.5
10	MP1C	Χ	-190.308	4.5
11	MP1C	Z	0	4.5
12	MP1C	Mx	.141	4.5
13	MP2A	Χ	-142.59	.5
14	MP2A	Z	0	.5
15	MP2A	Mx	.071	.5
16	MP2A	X	-142.59	4.5
17	MP2A	Z	0	4.5
18	MP2A	Mx	.071	4.5
19	MP2B	X	-148.345	.5
20	MP2B	Z	0	.5
21	MP2B	Mx	036	.5
22	MP2B	X	-148.345	4.5
23	MP2B	Z	0	4.5
24	MP2B	Mx	036	4.5
25	MP2A	X	-142.59	.5
26	MP2A	Z	0	.5
27	MP2A	Mx	.071	.5
28	MP2A	X	-142.59	4.5
29	MP2A	Z	0	4.5
30	MP2A	Mx	.071	4.5
31	MP2B	Х	-148.345	.5
32	MP2B	Z	0	.5

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

mom	Der Politi Loaus (BLC 12.)			
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP2B	Mx	104	.5
34	MP2B	X	-148.345	4.5
35	MP2B	Z	0	4.5
36	MP2B	Mx	104	4.5
37	MP3A	X	-35.755	.5
38	MP3A	Z	0	.5
39	MP3A	Mx	.018	.5
40	MP3A	X	-35.755	2
41	MP3A	Z	0	2
42	MP3A	Mx	.018	2
43	MP3C	X	-89.654	.5
44	MP3C	Z	0	.5
45	MP3C	Mx	.008	.5
46	MP3C	X	-89.654	2
47	MP3C	Z	0	2
48	MP3C	Mx	.008	2
49	MP4B	X	-42.256	.5
50	MP4B	Z	0	.5
51	MP4B	Mx	02	.5
52	MP4B	X	-42.256	2
53	MP4B	Z	0	2
54	MP4B	Mx	02	2
55	MP3A	X	-6.783	5
56	MP3A	Z	0	5
57	MP3A	Mx	.003	5
58	MP3C	X	-33.75	5
59	MP3C	Z	0	5
60	MP3C	Mx	.003	5
61	MP4B	X	-10.036	5
62	MP4B	Z	0	5
63	MP4B	Mx	005	5
64	MP2A	X	-48.58	2
65	MP2A	Z	0	2
66	MP2A	Mx	024	2
67	MP2C	X	-71.948	2
68	MP2C	Z	0	2
69	MP2C	Mx	006	2
70	MP3B	X	-51.398	2
71	MP3B	Z	0	2
72	MP3B	Mx V	.024	2
73	MP1A	X	-44.207	2 2
74	MP1A		0	2
75	MP1A	Mx X	022	2 2
76	MP2B	X	-47.537	2
77	MP2B	Z	0	2
78	MP2B	Mx	.022	2
79	MP5C	X	-71.817	2 2
80	MP5C	Z	0	2
81	MP5C	Mx V	006	2
82	M103	X	-148.435	2
83	M103	Z	0	2
84	M103	Mx	.019	2

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

1 MD1C V 161 112 5		Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
	1	MP1C	X	-161.112	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP1C	Z	-93.018	.5
3	MP1C	Mx	148	.5
4	MP1C	X	-161.112	4.5
5	MP1C	Z	-93.018	4.5
6	MP1C	Mx	148	4.5
7	MP1C	X	-161.112	.5
8	MP1C	Z	-93.018	.5
9	MP1C	Mx	.085	.5
10	MP1C	X	-161.112	4.5
11	MP1C	Z	-93.018	4.5
12	MP1C	Mx	.085	4.5
13	MP2A	X	-134.139	.5
14	MP2A	Z	-77.445	.5
15	MP2A	Mx	.015	.5
16	MP2A	X	-134.139	4.5
17	MP2A	Z	-77.445	4.5
18	MP2A	Mx	.015	4.5
19	MP2B	X	-148.491	.5
20	MP2B	Z	-85.731	.5
21	MP2B	Mx	.032	.5
22	MP2B	X	-148.491	4.5
23	MP2B	Z	-85.731	4.5
24	MP2B	Mx	.032	4.5
25	MP2A		-134.139	.5
26	MP2A	X Z	-77.445	.5
27	MP2A	Mx	.119	.5
28	MP2A	X	-134.139	4.5
29	MP2A	Z	-77.445	4.5
30	MP2A	Mx	.119	4.5
31	MP2B	X	-148.491	.5
32	MP2B	Z	-85.731	.5
33	MP2B	Mx	143	.5
34	MP2B	X	-148.491	4.5
35	MP2B	Z	-85.731	4.5
36	MP2B	Mx	143	4.5
37	MP3A	X	-42.997	.5
38	MP3A	Z	-42.997	.5
39	MP3A	Mx	.021	.5
40	MP3A	X	-42.997	2
41		Z	-24.824	2
42	MP3A MP3A	Mx	.021	2
43	MP3C	X	-73.464	.5
44	MP3C	Z	-73.404 -42.414	.5
45	MP3C	Mx	015	.5
46	MP3C	X	-73.464	.5
47	MP3C	Z	-73.404 -42.414	2
48	MP3C	Mx	015	2
49	MP4B	X	-59.208	.5
50	MP4B	Z	-34.184	.5 .5
51	MP4B	Mx	022	.5
52	MP4B	X	-59.208	.5
53	MP4B	Z	-34.184	2
54	MP4B	Mx	-34.184	2 2
55	MP3A		-11.894	5
56		X Z		5
	MP3A		-6.867 .006	5
57	MP3A	Mx V		5 5
58	MP3C	X	-27.138	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP3C	Z	-15.668	5
60	MP3C	Mx	005	5
61	MP4B	X	-20.005	5
62	MP4B	Z	-11.55	5
63	MP4B	Mx	007	5
64	MP2A	X	-47.288	2
65	MP2A	Z	-27.302	2
66	MP2A	Mx	024	2
67	MP2C	X	-60.497	2
68	MP2C	Z	-34.928	2
69	MP2C	Mx	.012	2
70	MP3B	X	-54.317	2
71	MP3B	Z	-31.36	2
72	MP3B	Mx	.02	2
73	MP1A	X	-44.448	2
74	MP1A	Z	-25.662	2
75	MP1A	Mx	022	2
76	MP2B	X	-52.752	2
77	MP2B	Z	-30.456	2
78	MP2B	Mx	.02	2
79	MP5C	X	-60.054	2
80	MP5C	Z	-34.672	2
81	MP5C	Mx	.012	2
82	M103	X	-112.351	2
83	M103	Z	-64.866	2
84	M103	Mx	.028	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1C	Χ	-81.459	.5
2	MP1C	Z	-141.092	.5
3	MP1C	Mx	132	.5
4	MP1C	X	-81.459	4.5
5	MP1C	Z	-141.092	4.5
6	MP1C	Mx	132	4.5
7	MP1C	Χ	-81.459	.5
8	MP1C	Ζ	-141.092	.5
9	MP1C	Mx	.007	.5
10	MP1C	X	-81.459	4.5
11	MP1C	Z	-141.092	4.5
12	MP1C	Mx	.007	4.5
13	MP2A	Χ	-89.746	.5
14	MP2A	Z	-155.444	.5
15	MP2A	Mx	059	.5
16	MP2A	Χ	-89.746	4.5
17	MP2A	Ζ	-155.444	4.5
18	MP2A	Mx	059	4.5
19	MP2B	Χ	-95.154	.5
20	MP2B	Z	-164.812	.5
21	MP2B	Mx	.108	.5
22	MP2B	X	-95.154	4.5
23	MP2B	Z	-164.812	4.5
24	MP2B	Mx	.108	4.5
25	MP2A	X	-89.746	.5
26	MP2A	Z	-155.444	.5
27	MP2A	Mx	.149	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP2A	X	-89.746	4.5
29	MP2A	Z	-155.444	4.5
30	MP2A	Mx	.149	4.5
31	MP2B	X	-95.154	.5
32	MP2B	Z	-164.812	.5
33	MP2B	Mx	141	.5
34	MP2B	X	-95.154	4.5
35	MP2B	Z	-164.812	4.5
36	MP2B	Mx	141	4.5
37	MP3A	X	-38.718	.5
38	MP3A	Z	-67.062	.5
39	MP3A	Mx	.019	.5
40	MP3A	X	-38.718	2
41	MP3A	Z	-67.062	2
42	MP3A	Mx	.019	2
43	MP3C	X	-29.359	.5
44	MP3C	Z	-50.851	.5
45	MP3C	Mx	022	.5
46	MP3C	X	-29.359	2
47	MP3C	Z	-50.851	2
48	MP3C	Mx	022	2
49	MP4B	X	-44.827	.5
50	MP4B	Z	-77.642	.5
51	MP4B	Mx	008	.5
52	MP4B	X	-44.827	2
53	MP4B	Z	-77.642	2
54	MP4B	Mx	008	2
55	MP3A	X	-13.819	5
56	MP3A	Z	-23.935	5
57	MP3A	Mx	.007	5
58	MP3C	X	-9.136	5
59	MP3C	Z	-15.824	5
60	MP3C	Mx	007	5
61	MP4B	X	-16.875	5
62	MP4B		-29.229	5
63	MP4B	Mx	003	5
64	MP2A	X	-33.326	2
65	MP2A	Z	-57.722	2
66	MP2A	Mx	017	2
67	MP2C	X	-29.268	2
68	MP2C	Z Mx	-50.693	2
69	MP2C	Mx V	.022	2
70	MP3B	X	-35.974	2
71	MP3B	Z	-62.309	2
72	MP3B	Mx	.006	2
73 74	MP1A	X Z	-32.779 -56.775	2 2
	MP1A			2
75 76	MP1A MP2B	Mx Y	016 -35.908	2 2
77	MP2B	X Z	-62.195	2
78	MP2B	Mx	.006	2 2
79	MP5C	X	-27.985	2
80	MP5C	Z	-27.965 -48.471	2 2
81	MP5C	Mx	.021	2
82	M103	X	-60.19	2
83	M103	Z	-104.252	2
84	M103	Mx	.03	2
04	IVITUS	IVIX	.03	

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

mon	iber Foint Loads (BLC 13. A)	ntenna III (o Beg	//	
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1C	X	0	.5
2	MP1C	X	-24.377	.5
3	MP1C	Mx	015	.5
4	MP1C	X	0	4.5
5	MP1C	Z	-24.377	4.5
6	MP1C	Mx	015	4.5
7	MP1C	X	0	.5
8	MP1C	Z	-24.377	.5
9	MP1C	Mx	009	.5
10	MP1C	X	0	4.5
11	MP1C	Z	-24.377	4.5
12	MP1C	Mx	009	4.5
		X	009	
13	MP2A	Z		.5
14	MP2A		-31.914	.5
15	MP2A	Mx	021	.5
16	MP2A	X	0	4.5
17	MP2A	Z	-31.914	4.5
18	MP2A	Mx	021	4.5
19	MP2B	X	0	.5
20	MP2B	Z	-31.005	.5_
21	MP2B	Mx	.025	.5
22	MP2B	X	0	4.5
23	MP2B	Z	-31.005	4.5
24	MP2B	Mx	.025	4.5
25	MP2A	X	0	.5
26	MP2A	Z	-31.914	.5
27	MP2A	Mx	.021	.5
28	MP2A	X	0	4.5
29	MP2A	Z	-31.914	4.5
30	MP2A	Mx	.021	4.5
31	MP2B	X	0	.5
32	MP2B	Z	-31.005	.5
33	MP2B	Mx	014	.5
34	MP2B	X	0	4.5
35	MP2B	Z	-31.005	4.5
36	MP2B	Mx	014	4.5
37	MP3A	X	0	.5
38	MP3A	Z	-15.744	.5
39	MP3A	Mx	0	.5
40	MP3A	X	0	2
41	MP3A	Ž	-15.744	2
42	MP3A	Mx	0	2
43	MP3C	X	0	.5
44	MP3C	Z	-6.979	.5
45	MP3C	Mx	003	.5
46	MP3C	X	0	2
47	MP3C	Z	-6.979	2
48	MP3C	Mx	003	2
49	MP4B	X	003	.5
50	MP4B	Z	-14.687	.5
51	MP4B	Mx	.003	.5
52	MP4B	X	0	.5
53	MP4B	Z	-14.687	
				2
54	MP4B	Mx	.003	2
<u>55</u>	MP3A	X	0	5
56	MP3A	Z	-6.84	5
57	MP3A	Mx	0	5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	0	5
59	MP3C	Z	-2.156	5
60	MP3C	Mx	001	5
61	MP4B	X	0	5
62	MP4B	Z	-6.275	5
63	MP4B	Mx	.001	5
64	MP2A	X	0	2
65	MP2A	Z	-13.27	2
66	MP2A	Mx	0	2
67	MP2C	X	0	2
68	MP2C	Z	-9.352	2
69	MP2C	Mx	.005	2
70	MP3B	X	0	2
71	MP3B	Z	-12.797	2
72	MP3B	Mx	002	2
73	MP1A	X	0	2
74	MP1A	Z	-13.27	2
75	MP1A	Mx	0	2
76	MP2B	X	0	2
77	MP2B	Z	-12.712	2
78	MP2B	Mx	002	2
79	MP5C	X	0	2
80	MP5C	Z	-8.647	2
81	MP5C	Mx	.004	2
82	M103	X	0	2
83	M103	Z	-22.811	2
84	M103	Mx	.005	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1C	X	12.526	.5
2	MP1C	Z	-21.696	.5
3	MP1C	Mx	006	.5
4	MP1C	X	12.526	4.5
5	MP1C	Z	-21.696	4.5
6	MP1C	Mx	006	4.5
7	MP1C	X	12.526	.5
8	MP1C	Z	-21.696	.5
9	MP1C	Mx	017	.5
10	MP1C	X	12.526	4.5
11	MP1C	Z	-21.696	4.5
12	MP1C	Mx	017	4.5
13	MP2A	X	14.986	.5
14	MP2A	Z	-25.956	.5
15	MP2A	Mx	025	.5
16	MP2A	X	14.986	4.5
17	MP2A	Z	-25.956	4.5
18	MP2A	Mx	025	4.5
19	MP2B	X	13.677	.5
20	MP2B	Z	-23.689	.5
21	MP2B	Mx	.022	.5
22	MP2B	X	13.677	4.5
23	MP2B	Z	-23.689	4.5
24	MP2B	Mx	.022	4.5
25	MP2A	X	14.986	.5
26	MP2A	Z	-25.956	.5

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

	Form Loads (BLC 10.			
07	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP2A	Mx	.01	.5
28	MP2A	X	14.986	4.5
29	MP2A	Z	-25.956	4.5
30	MP2A	Mx	.01	4.5
31	MP2B	X	13.677	.5
32	MP2B	Z	-23.689	.5
33	MP2B	Mx	001	.5
34	MP2B	X	13.677	4.5
35	MP2B	Z	-23.689	4.5
36	MP2B	Mx	001	4.5
37	MP3A	X	6.742	.5
38	MP3A	Z	-11.678	.5
39	MP3A	Mx	003	.5
40	MP3A	X	6.742	2
41	MP3A	Z	-11.678	2
42	MP3A	Mx	003	2
43	MP3C	X	3.882	.5
44	MP3C	Z	-6.724	.5
45	MP3C	Mx	004	.5
46	MP3C	X	3.882	2
47	MP3C	Z	-6.724	2
48	MP3C	Mx	004	2
49	MP4B	X	5.22	.5
50	MP4B	Z	-9.042	.5
				.5
51	MP4B	Mx X	.004	.5
52	MP4B	X	5.22	2
53	MP4B	Z	-9.042	2
54	MP4B	Mx	.004	2
55	MP3A	X	2.816	5
56	MP3A	Z	-4.878	5
57	MP3A	Mx	001	5
58	MP3C	X	1.288	5
59	MP3C	Z	-2.231	5
60	MP3C	Mx	001	5
61	MP4B	X	2.003	5
62	MP4B	Z	-3.469	5
63	MP4B	Mx	.002	5
64	MP2A	X	6.13	2
65	MP2A	Z	-10.617	2
66	MP2A	Mx	.003	2
67	MP2C	X	4.852	2 2
68	MP2C	Z	-8.403	
69	MP2C	Mx	.005	
70	MP3B	X	5.45	2 2
71	MP3B	Z	-9.439	2
72	MP3B	Mx	004	2
73	MP1A	X	6.039	2
74	MP1A	Z	-10.46	2
75	MP1A	Mx	.003	2
76	MP2B	X	5.236	2
77	MP2B	Z	-9.07	
78	MP2B	Mx	004	2 2
79	MP5C	X	4.531	2
80	MP5C	Z	-7.847	2 2
81	MP5C MP5C	Mx	.004	2
82	M103	X	12.892	2
83		Z		2
03	M103	<u> </u>	-22.329	



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	M103	Mx	.003	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1C	X	24.858	.5
2	MP1C	Z	-14.352	.5
3	MP1C	Mx	.005	.5
4	MP1C	X	24.858	4.5
5	MP1C	Z	-14.352	4.5
6	MP1C	Mx	.005	4.5
7	MP1C	X	24.858	.5
8	MP1C	Z	-14.352	.5
9	MP1C	Mx	024	.5
10	MP1C	X	24.858	4.5
11	MP1C	Z	-14.352	4.5
12	MP1C	Mx	024	4.5
13	MP2A	X	22.591	.5
14	MP2A	Z	-13.043	.5
15	MP2A	Mx	02	.5
16	MP2A	X	22.591	4.5
17	MP2A	Z	-13.043	4.5
18	MP2A	Mx	02	4.5
19	MP2B	X	21.112	.5
20	MP2B	Z	-12.189	.5
21	MP2B	Mx	.015	.5
22	MP2B	X	21.112	4.5
23	MP2B	Z	-12.189	4.5
24	MP2B	Mx	.015	4.5
25	MP2A	X	22.591	.5
26	MP2A	Z	-13.043	.5
27	MP2A	Mx	003	.5
28	MP2A	X	22.591	4.5
29	MP2A	Z	-13.043	4.5
30	MP2A	Mx	003	4.5
31	MP2B	X	21.112	.5
32	MP2B	Z	-12.189	.5
33	MP2B	Mx	.009	.5
34	MP2B	X	21.112	4.5
35	MP2B	Z	-12.189	4.5
36	MP2B	Mx	.009	4.5
37	MP3A	X	7.765	.5
38	MP3A	Z	-4.483	.5
39	MP3A	Mx	004	.5
40	MP3A	X	7.765	2
41	MP3A	Z	-4.483	2
42	MP3A	Mx	004	2
43	MP3C	X	10.401	.5
44	MP3C	Z	-6.005	.5
45	MP3C	Mx	004	.5
46	MP3C	X	10.401	2
47	MP3C	Z	-6.005	2
48	MP3C	Mx	004	2
49	MP4B	X	6.044	.5
50	MP4B	Z	-3.49	.5
51	MP4B	Mx	.003	.5
52	MP4B	X	6.044	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP4B	Z	-3.49	2
54	MP4B	Mx	.003	2
55	MP3A	X	2.787	5
56	MP3A	Z	-1.609	5
57	MP3A	Mx	001	5
58	MP3C	X	4.196	5
59	MP3C	Z	-2.422	5
60	MP3C	Mx	002	5
61	MP4B	X	1.867	5
62	MP4B	Z	-1.078	5
63	MP4B	Mx	.001	5
64	MP2A	X	8.868	2
65	MP2A	Z	-5.12	2
66	MP2A	Mx	.004	2
67	MP2C	X	10.047	2
68	MP2C	Z	-5.8	2
69	MP2C	Mx	.004	2
70	MP3B	X	8.099	2
71	MP3B	Z	-4.676	2
72	MP3B	Mx	005	2
73	MP1A	X	8.396	2
74	MP1A	Z	-4.848	2
75	MP1A	Mx	.004	2
76	MP2B	X	7.489	2
77	MP2B	Z	-4.324	2
78	MP2B	Mx	004	2
79	MP5C	X	9.787	2
80	MP5C	Z	-5.65	2
81	MP5C	Mx	.004	2
82	M103	X	23.617	2
83	M103	Z	-13.635	2
84	M103	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1C	X	31.68	.5
2	MP1C	Z	0	.5
3	MP1C	Mx	.018	.5
4	MP1C	X	31.68	4.5
5	MP1C	Z	0	4.5
6	MP1C	Mx	.018	4.5
7	MP1C	X	31.68	.5
8	MP1C	Z	0	.5
9	MP1C	Mx	024	.5
10	MP1C	X	31.68	4.5
11	MP1C	Z	0	4.5
12	MP1C	Mx	024	4.5
13	MP2A	X	24.143	.5
14	MP2A	Z	0	.5
15	MP2A	Mx	012	.5
16	MP2A	X	24.143	4.5
17	MP2A	Z	0	4.5
18	MP2A	Mx	012	4.5
19	MP2B	X	25.052	.5
20	MP2B	Z	0	.5
21	MP2B	Mx	.006	.5

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

Michil	ber Point Loads (BLC 16 : A			
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2B	X	25.052	4.5
23	MP2B	Z	0	4.5
24	MP2B	Mx	.006	4.5
25	MP2A	X	24.143	.5
26	MP2A	Z	0	.5
27	MP2A	Mx	012	.5
28	MP2A	X	24.143	4.5
29	MP2A	Z	0	4.5
30	MP2A	Mx	012	4.5
31	MP2B	X	25.052	.5
32	MP2B	Z	0	.5
33	MP2B	Mx	.017	.5
34	MP2B	X	25.052	4.5
35	MP2B	Z	0	4.5
36	MP2B	Mx	.017	4.5
37	MP3A		6.707	
		X Z		.5 .5
38	MP3A		0	
39	MP3A	Mx	003	.5
40	MP3A	X	6.707	2
41	MP3A	Z	0	2
42	MP3A	Mx	003	2
43	MP3C	X	15.472	.5
44	MP3C	Z	0	.5
45	MP3C	Mx	001	.5
46	MP3C	X	15.472	2
47	MP3C	Z	0	2
48	MP3C	Mx	001	2
49	MP4B	X	7.764	.5
50	MP4B	Z	0	.5
51	MP4B	Mx	.004	.5
52	MP4B	X	7.764	2
53	MP4B	Z	0	2
54	MP4B	Mx	.004	2
55	MP3A	X	2.011	5
56	MP3A	Z	0	5
57	MP3A	Mx	001	5
58	MP3C	X	6.694	5
59	MP3C	Z	0.094	<u>5</u>
60	MP3C	Mx	000581	5
61	MP4B	X	2.576	5
62	MP4B MP4B	Z	0	<u> </u>
	MP4B MP4B		.001	<u> </u>
63		Mx		<u>5</u> 2
64	MP2A	X	9.231	
65	MP2A	Z	0	2
66	MP2A	Mx	.005	2
67	MP2C	X	13.148	2
68	MP2C	Z	0	2
69	MP2C	Mx	.001	2
70	MP3B	X	9.703	2
71	MP3B	Z	0	2
72	MP3B	Mx	005	2
73	MP1A	X Z	8.504	2 2
74	MP1A	Z	0	2
75	MP1A	Mx	.004	2
76	MP2B	X	9.061	2
77	MP2B	Z	0	2
78	MP2B	Mx	004	2
	1111 ==	111//		_



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP5C	X	13.126	2
80	MP5C	Z	0	2
81	MP5C	Mx	.001	2
82	M103	X	25.784	2
83	M103	Z	0	2
84	M103	Mx	003	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1C	X	26.851	
2	MP1C	Z	15.502	. <u>5</u> .5
3	MP1C	Mx	.025	.5
4	MP1C	X	26.851	4.5
5	MP1C	Z	15.502	4.5
6	MP1C	Mx	.025	4.5
7	MP1C	X	26.851	.5
8	MP1C	Z	15.502	.5
9	MP1C	Mx	014	.5
10	MP1C	X	26.851	4.5
11	MP1C	Z	15.502	4.5
12	MP1C	Mx	014	4.5
13	MP2A	X	22.591	.5
14	MP2A	Z	13.043	.5
15	MP2A	Mx	003	.5
16	MP2A	X	22.591	4.5
17	MP2A	Z	13.043	4.5
18	MP2A	Mx	003	4.5
19	MP2B	X	24.858	.5
20	MP2B	Z	14.352	.5
21	MP2B	Mx	005	.5
22	MP2B	X	24.858	4.5
23	MP2B	Z	14.352	4.5
24	MP2B	Mx	005	4.5
25	MP2A	X	22.591	.5
26	MP2A	Z	13.043	.5
27	MP2A	Mx	02	.5
28	MP2A	X	22.591	4.5
29	MP2A	Z	13.043	4.5
30	MP2A	Mx	02	4.5
31	MP2B	X	24.858	.5
32	MP2B	Z	14.352	.5
33	MP2B	Mx	.024	.5
34	MP2B	X	24.858	4.5
35	MP2B	Z	14.352	4.5
36	MP2B	Mx	.024	4.5
37	MP3A	X	7.765	.5
38	MP3A	Z	4.483	.5
39	MP3A	Mx	004	.5
40	MP3A	X	7.765	2
41	MP3A	Z	4.483	2
42	MP3A	Mx	004	2
43	MP3C	X	12.719	.5
44	MP3C	Z	7.344	.5
45	MP3C	Mx	.003	.5
46	MP3C	X	12.719	2
47	MP3C	Z	7.344	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP3C	Mx	.003	2
49	MP4B	X	10.401	.5
50	MP4B	Z	6.005	.5
51	MP4B	Mx	.004	.5
52	MP4B	X	10.401	2
53	MP4B	Z	6.005	2
54	MP4B	Mx	.004	2
55	MP3A	X	2.787	5
56	MP3A	Z	1.609	5
57	MP3A	Mx	001	5
58	MP3C	X	5.434	5
59	MP3C	Z	3.137	5
60	MP3C	Mx	.001	5
61	MP4B	X	4.196	5
62	MP4B	Z	2.422	5
63	MP4B	Mx	.002	5
64	MP2A	X	8.868	2
65	MP2A	Z	5.12	2
66	MP2A	Mx	.004	2
67	MP2C	X	11.083	2
68	MP2C	Z	6.399	2
69	MP2C	Mx	002	2
70	MP3B	X	10.047	2
71	MP3B	Z	5.8	2
72	MP3B	Mx	004	2
73	MP1A	X	8.396	2
74	MP1A	Z	4.848	2
75	MP1A	Mx	.004	2
76	MP2B	X	9.787	2
77	MP2B	Z	5.65	2
78	MP2B	Mx	004	2
79	MP5C	X	11.009	2
80	MP5C	Z	6.356	2
81	MP5C	Mx	002	2
82	M103	X	19.755	2
83	M103	Z	11.406	2
84	M103	Mx	005	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1C	Χ	13.677	.5
2	MP1C	Z	23.689	.5
3	MP1C	Mx	.022	.5
4	MP1C	Χ	13.677	4.5
5	MP1C	Z	23.689	4.5
6	MP1C	Mx	.022	4.5
7	MP1C	Χ	13.677	.5
8	MP1C	Z	23.689	.5
9	MP1C	Mx	001	.5
10	MP1C	X	13.677	4.5
11	MP1C	Z	23.689	4.5
12	MP1C	Mx	001	4.5
13	MP2A	Χ	14.986	.5
14	MP2A	Z	25.956	.5
15	MP2A	Mx	.01	.5
16	MP2A	X	14.986	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP2A	Z	25.956	4.5
18	MP2A	Mx	.01	4.5
19	MP2B	X	15.84	.5
20	MP2B	Z	27.435	.5
21	MP2B	Mx	018	.5
22	MP2B	X	15.84	4.5
23	MP2B	Z	27.435	4.5
24	MP2B	Mx	018	4.5
25	MP2A	X	14.986	.5
26	MP2A	Z	25.956	.5
27	MP2A	Mx	025	.5
28	MP2A	X	14.986	4.5
29	MP2A	Z	25.956	4.5
30	MP2A	Mx	025	4.5
31	MP2B	X	15.84	.5
32	MP2B	Z	27.435	.5
33	MP2B	Mx	.024	.5
34	MP2B	X	15.84	4.5
35	MP2B	Z	27.435	4.5
36	MP2B	Mx	.024	4.5
37	MP3A	X	6.742	.5
38	MP3A	Z	11.678	.5
39	MP3A	Mx	003	.5
40	MP3A	X	6.742	2
41	MP3A	Z	11.678	2
42	MP3A	Mx	003	2
43	MP3C	X	5.22	.5
44	MP3C	Z	9.042	.5
45	MP3C	Mx	.004	.5
46	MP3C	X	5.22	2
47	MP3C	Z	9.042	2
48	MP3C	Mx	.004	2
49	MP4B	X	7.736	.5
50	MP4B	Z	13.399	.5
51	MP4B	Mx	.001	.5
52	MP4B	X	7.736	2
53	MP4B	Z	13.399	2
54	MP4B	Mx	.001	2
55	MP3A	X	2.816	5
56	MP3A	Z	4.878	5
57 58	MP3A	Mx V	001	5
	MP3C	X Z	2.003	5
59 60	MP3C MP3C	Mx	3.469	5 5
61			3.347	5
62	MP4B MP4B	X	5.797	5
63	MP4B	Mx	.000581	5
64	MP2A	X	6.13	2
65	MP2A	Z	10.617	2
66	MP2A	Mx	.003	2
67	MP2C	X	5.45	
68	MP2C MP2C	Z	9.439	2 2
69	MP2C	Mx	004	2
70	MP3B	X	6.574	2
71	MP3B	Z	11.387	2
72	MP3B	Mx	001	2
73	MP1A	X	6.039	2
10	IVII 171		0.008	

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP1A	Z	10.46	2
75	MP1A	Mx	.003	2
76	MP2B	X	6.563	2
77	MP2B	Z	11.368	2
78	MP2B	Mx	001	2
79	MP5C	X	5.236	2
80	MP5C	Z	9.07	2
81	MP5C	Mx	004	2
82	M103	X	10.662	2
83	M103	Z	18.468	2
84	M103	Mx	005	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1C	X	0	.5
2	MP1C	Z	24.377	.5
3	MP1C	Mx	.015	.5
4	MP1C	X	0	4.5
5	MP1C	Z	24.377	4.5
6	MP1C	Mx	.015	4.5
7	MP1C	X	0	.5
8	MP1C	Z	24.377	.5
9	MP1C	Mx	.009	.5
10	MP1C	X	0	4.5
11	MP1C	Z	24.377	4.5
12	MP1C	Mx	.009	4.5
13	MP2A	X	0	.5
14	MP2A	Z	31.914	.5
15	MP2A	Mx	.021	.5
16	MP2A	X	0	4.5
17	MP2A	Z	31.914	4.5
18	MP2A	Mx	.021	4.5
19	MP2B	X	0	.5
20	MP2B	Z	31.005	.5
21	MP2B	Mx	025	.5
22	MP2B	X	0	4.5
23	MP2B	Z	31.005	4.5
24	MP2B	Mx	025	4.5
25	MP2A	X	0	.5
26	MP2A	Z	31.914	.5
27	MP2A	Mx	021	.5
28	MP2A	X	0	4.5
29	MP2A	Z	31.914	4.5
30	MP2A	Mx	021	4.5
31	MP2B	X	0	.5
32	MP2B	Z	31.005	.5
33	MP2B	Mx	.014	.5
34	MP2B	X	0	4.5
35	MP2B	Z	31.005	4.5
36	MP2B	Mx	.014	4.5
37	MP3A	X	0	.5
38	MP3A	Z	15.744	.5
39	MP3A	Mx	0	.5
40	MP3A	X	0	2
41	MP3A	Z	15.744	2
42	MP3A	Mx	0	2

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

MICHINE	FOIR LOads (BLC 21 . A	interina Wi (100 D	eg// (Oontinued)	
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP3C	X	0	.5
44	MP3C	Z	6.979	.5
45	MP3C	Mx	.003	.5
46	MP3C	X	0	2
47	MP3C	Z	6.979	2
48	MP3C	Mx	.003	2
49	MP4B	X	0	.5
50	MP4B	Z	14.687	.5
51	MP4B	Mx	003	.5
52	MP4B	X	0	2
53	MP4B	Z	14.687	2
54	MP4B	Mx	003	2
55	MP3A	X	0	5
56	MP3A	Z	6.84	5
57	MP3A	Mx	0	5
58	MP3C	X	0	5
59	MP3C	Z	2.156	5
60	MP3C	Mx	.001	5
61	MP4B	X	0	5
62	MP4B	Z	6.275	5
63	MP4B	Mx	001	5
64	MP2A	X	0	2
65	MP2A	Z	13.27	2
66	MP2A	Mx	0	2
67	MP2C	X	0	2
68	MP2C	Z	9.352	2
69	MP2C	Mx	005	2
70	MP3B	X	0	2
71	MP3B	Z	12.797	2
72	MP3B	Mx	.002	2
73	MP1A	X	0	2
74	MP1A	Z	13.27	2
75	MP1A	Mx	0	2
76	MP2B	X	0	2
77	MP2B	Z	12.712	2
78	MP2B	Mx	.002	2
79	MP5C	X	0	2
80	MP5C	Z	8.647	2
81	MP5C	Mx	004	2
82	M103	X	0	2
83	M103	Z	22.811	2
84	M103	Mx	005	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1C	X	-12.526	.5
2	MP1C	Z	21.696	.5
3	MP1C	Mx	.006	.5
4	MP1C	X	-12.526	4.5
5	MP1C	Z	21.696	4.5
6	MP1C	Mx	.006	4.5
7	MP1C	X	-12.526	.5
8	MP1C	Z	21.696	.5
9	MP1C	Mx	.017	.5
10	MP1C	X	-12.526	4.5
11	MP1C	Z	21.696	4.5

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

	FOIR LOADS (BLC 22 .			
10	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP1C	Mx	.017	4.5
13	MP2A	X Z	-14.986	.5
14	MP2A		25.956	.5
15	MP2A	Mx	.025	.5
16	MP2A	X	-14.986	4.5
17	MP2A	Z	25.956	4.5
18	MP2A	Mx	.025	4.5
19	MP2B	X	-13.677	.5
20	MP2B	Z	23.689	.5
21	MP2B	Mx X	022	.5
22	MP2B	X	-13.677	4.5
23	MP2B		23.689	4.5
24	MP2B	Mx	022	4.5
25	MP2A	X	-14.986	.5
26	MP2A	Z	25.956	.5
27	MP2A	Mx	01	.5 4.5
28	MP2A	X Z	-14.986	
29	MP2A		25.956	4.5
30	MP2A	Mx	01	4.5
31	MP2B	X Z	-13.677 23.689	.5 .5
	MP2B			.5
33	MP2B	Mx X	.001 -13.677	4.5
34	MP2B MP2B	Z	23.689	4.5
36	MP2B	Mx	.001	4.5
37			-6.742	.5
38	MP3A MP3A	X Z	11.678	.5
39	MP3A	Mx	.003	.5
40	MP3A	X	-6.742	2
41	MP3A	Z	11.678	2
42	MP3A	Mx	.003	2
43	MP3C	X	-3.882	.5
44	MP3C	Z	6.724	.5
45	MP3C	Mx	.004	.5
46	MP3C	X	-3.882	2
47	MP3C	Z	6.724	2
48	MP3C	Mx	.004	2
49	MP4B	X	-5.22	.5
50	MP4B	Z	9.042	.5
51	MP4B	Mx	004	.5
52	MP4B	X	-5.22	2
53	MP4B	Z	9.042	2
54	MP4B	Mx	004	2
55	MP3A	X	-2.816	5
56	MP3A	Z	4.878	5
57	MP3A	Mx	.001	5
58	MP3C	X	-1.288	5
59	MP3C	Z	2.231	5
60	MP3C	Mx	.001	5
61	MP4B	X	-2.003	5
62	MP4B	Z	3.469	5
63	MP4B	Mx	002	5
64	MP2A	X	-6.13	2
65	MP2A	Z	10.617	2
66	MP2A	Mx	003	2
67	MP2C		-4.852	
68	MP2C	X	8.403	2 2
	IVII ZO		0.700	_

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP2C	Mx	005	2
70	MP3B	X	-5.45	2
71	MP3B	Z	9.439	2
72	MP3B	Mx	.004	2
73	MP1A	Χ	-6.039	2
74	MP1A	Z	10.46	2
75	MP1A	Mx	003	2
76	MP2B	X	-5.236	2
77	MP2B	Z	9.07	2
78	MP2B	Mx	.004	2
79	MP5C	Χ	-4.531	2
80	MP5C	Z	7.847	2
81	MP5C	Mx	004	2
82	M103	Χ	-12.892	2
83	M103	Z	22.329	2
84	M103	Mx	003	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1C	X	-24.858	.5
2	MP1C	Z	14.352	.5
3	MP1C	Mx	005	.5
4	MP1C	X	-24.858	4.5
5	MP1C	Z	14.352	4.5
6	MP1C	Mx	005	4.5
7	MP1C	X	-24.858	.5
8	MP1C	Z	14.352	.5
9	MP1C	Mx	.024	.5
10	MP1C	X	-24.858	4.5
11	MP1C	Z	14.352	4.5
12	MP1C	Mx	.024	4.5
13	MP2A	X	-22.591	.5
14	MP2A	Z	13.043	.5
15	MP2A	Mx	.02	.5
16	MP2A	X	-22.591	4.5
17	MP2A	Z	13.043	4.5
18	MP2A	Mx	.02	4.5
19	MP2B	X	-21.112	.5
20	MP2B	Z	12.189	.5
21	MP2B	Mx	015	.5
22	MP2B	X	-21.112	4.5
23	MP2B	Z	12.189	4.5
24	MP2B	Mx	015	4.5
25	MP2A	X	-22.591	.5
26	MP2A	Z	13.043	.5
27	MP2A	Mx	.003	.5
28	MP2A	X	-22.591	4.5
29	MP2A	Z	13.043	4.5
30	MP2A	Mx	.003	4.5
31	MP2B	X	-21.112	.5
32	MP2B	Z	12.189	.5
33	MP2B	Mx	009	.5
34	MP2B	X	-21.112	4.5
35	MP2B	Z	12.189	4.5
36	MP2B	Mx	009	4.5
37	MP3A	X	-7.765	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP3A	Z	4.483	.5
39	MP3A	Mx	.004	.5
40	MP3A	X	-7.765	2
41	MP3A	Ž	4.483	2
42	MP3A	Mx	.004	2
43	MP3C	X	-10.401	.5
44	MP3C	Z	6.005	.5
45	MP3C	Mx	.004	.5
46	MP3C	X	-10.401	2
47	MP3C	Z	6.005	2
48	MP3C	Mx	.004	2
49	MP4B	X	-6.044	.5
50	MP4B	Z	3.49	.5
51	MP4B	Mx	003	.5
52	MP4B	X	-6.044	2
53	MP4B	Z	3.49	2
54	MP4B	Mx	003	2
55	MP3A	X	-2.787	5
56	MP3A	Z	1.609	5
57	MP3A	Mx	.001	5
58	MP3C	X	-4.196	5
59	MP3C	Z	2.422	5
60	MP3C	Mx	.002	5
61	MP4B	X	-1.867	5
62	MP4B	Z	1.078	5
63	MP4B	Mx	001	5
64	MP2A	X	-8.868	2
65	MP2A	Z	5.12	2
66	MP2A	Mx	004	2
67	MP2C	X	-10.047	2
68	MP2C	Z	5.8	2
69	MP2C	Mx	004	2
70	MP3B	X	-8.099	2
71	MP3B	Z	4.676	2
72	MP3B	Mx	.005	2
73	MP1A	X	-8.396	2
74	MP1A	Z	4.848	2
75	MP1A	Mx	004	2
76	MP2B	X	-7.489	2
77	MP2B	Z	4.324	2
78	MP2B	Mx	.004	2
79	MP5C	X	-9.787	2
80	MP5C	Z	5.65	2
81	MP5C	Mx X	004	2
82	M103	X	-23.617	2
83	M103	Z	13.635	2
84	M103	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1C	X	-31.68	.5
2	MP1C	Z	0	.5
3	MP1C	Mx	018	.5
4	MP1C	X	-31.68	4.5
5	MP1C	Z	0	4.5
6	MP1C	Mx	018	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP1C	X	-31.68	.5
8	MP1C	Z	0	.5
9	MP1C	Mx	.024	.5
10	MP1C	X	-31.68	4.5
11	MP1C	Z	0	4.5
12	MP1C	Mx	.024	4.5
13	MP2A	X	-24.143	.5
14	MP2A	Z	0	.5
15	MP2A	Mx	.012	.5
16	MP2A	X	-24.143	4.5
17	MP2A	Z	0	4.5
18	MP2A	Mx	.012	4.5
19	MP2B	X	-25.052	.5
20	MP2B	Z	0	.5
21	MP2B	Mx	006	.5
22	MP2B	X	-25.052	4.5
23	MP2B	Z	0	4.5
24	MP2B	Mx	006	4.5
25	MP2A	X	-24.143	.5
26	MP2A	_	0	.5
27	MP2A	Mx	.012	.5
28	MP2A	X	-24.143	4.5
29	MP2A	Z	0	4.5
30	MP2A	Mx	.012	4.5
31	MP2B	X Z	-25.052	. <u>5</u> .5
32	MP2B		017	
33	MP2B	Mx V		.5
34	MP2B	X Z	-25.052	4.5
35 36	MP2B	Mx	017	4.5 4.5
37	MP2B MP3A	X	-6.707	4.5 .5
38	MP3A MP3A	Z	-0.707	.5
39	MP3A	Mx	.003	.5
40	MP3A	X	-6.707	2
41	MP3A	Z	0	2
42	MP3A	Mx	.003	2
43	MP3C	X	-15.472	.5
44	MP3C	Z	0	.5
45	MP3C	Mx	.001	.5
46	MP3C	X	-15.472	2
47	MP3C	Z	0	2
48	MP3C	Mx	.001	2
49	MP4B		-7.764	.5
50	MP4B	X Z	0	.5
51	MP4B	Mx	004	.5
52	MP4B	X	-7.764	2
53	MP4B	Ž	0	2
54	MP4B	Mx	004	2
55	MP3A		-2.011	5
56	MP3A	X Z	0	5
57	MP3A	Mx	.001	5
58	MP3C	X	-6.694	5
59	MP3C	Z	0	5 5
60	MP3C	Mx	.000581	5
61	MP4B	X	-2.576	5
62	MP4B	Z	0	5
63	MP4B	Mx	001	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP2A	X	-9.231	2
65	MP2A	Z	0	2
66	MP2A	Mx	005	2
67	MP2C	X	-13.148	2
68	MP2C	Z	0	2
69	MP2C	Mx	001	2
70	MP3B	X	-9.703	2
71	MP3B	Z	0	2
72	MP3B	Mx	.005	2
73	MP1A	X	-8.504	2
74	MP1A	Z	0	2
75	MP1A	Mx	004	2
76	MP2B	X	-9.061	2
77	MP2B	Z	0	2
78	MP2B	Mx	.004	2
79	MP5C	X	-13.126	2
80	MP5C	Z	0	2
81	MP5C	Mx	001	2
82	M103	X	-25.784	2
83	M103	Z	0	2
84	M103	Mx	.003	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1C	X	-26.851	.5
2	MP1C	Z	-15.502	.5
3	MP1C	Mx	025	.5
4	MP1C	X	-26.851	4.5
5	MP1C	Z	-15.502	4.5
6	MP1C	Mx	025	4.5
7	MP1C	X	-26.851	.5
8	MP1C	Z	-15.502	.5
9	MP1C	Mx	.014	.5
10	MP1C	Χ	-26.851	4.5
11	MP1C	Z	-15.502	4.5
12	MP1C	Mx	.014	4.5
13	MP2A	Χ	-22.591	.5
14	MP2A	Z	-13.043	.5
15	MP2A	Mx	.003	.5
16	MP2A	X	-22.591	4.5
17	MP2A	Z	-13.043	4.5
18	MP2A	Mx	.003	4.5
19	MP2B	X	-24.858	.5
20	MP2B	Z	-14.352	.5
21	MP2B	Mx	.005	.5
22	MP2B	X	-24.858	4.5
23	MP2B	Z	-14.352	4.5
24	MP2B	Mx	.005	4.5
25	MP2A	X	-22.591	.5
26	MP2A	Z	-13.043	.5
27	MP2A	Mx	.02	.5
28	MP2A	X	-22.591	4.5
29	MP2A	Z	-13.043	4.5
30	MP2A	Mx	.02	4.5
31	MP2B	Χ	-24.858	.5
32	MP2B	Z	-14.352	.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP2B	Mx	024	.5
34	MP2B	X	-24.858	4.5
35	MP2B	Z	-14.352	4.5
36	MP2B	Mx	024	4.5
37	MP3A	X	-7.765	.5
38	MP3A	Z	-4.483	.5
39	MP3A	Mx	.004	.5
40	MP3A	X	-7.765	2
41	MP3A	Z	-4.483	2
42	MP3A	Mx	.004	2
43	MP3C	X	-12.719	.5
44	MP3C	Z	-7.344	.5
45	MP3C	Mx	003	.5
46	MP3C	X	-12.719	2
47	MP3C	Z	-7.344	2
48	MP3C	Mx	003	2
49	MP4B	X	-10.401	.5
50	MP4B	Z	-6.005	.5
51	MP4B	Mx	004	.5
52	MP4B	X	-10.401	2
53	MP4B	Z	-6.005	2
54	MP4B	Mx	004	2
55	MP3A	X	-2.787	5
56	MP3A	Z	-1.609	5
57	MP3A	Mx	.001	5
58	MP3C	X	-5.434	5
59	MP3C	Z	-3.137	5
60	MP3C	Mx	001	5
61	MP4B	X	-4.196	5
62	MP4B	Z	-2.422	5
63	MP4B	Mx	002	5
64	MP2A	X	-8.868	2
65	MP2A	Z	-5.12	2
66	MP2A	Mx	004	2
67	MP2C	X	-11.083	2
68	MP2C	Z	-6.399	2
69	MP2C	Mx	.002	2
70	MP3B	X	-10.047	2
71	MP3B	Z	-5.8	2
72	MP3B	Mx	.004	2
73	MP1A	X	-8.396	2 2
74	MP1A		-4.848	2
75	MP1A	Mx	004	2 2
76	MP2B	X	-9.787	2
77	MP2B	Z	-5.65	2 2
78	MP2B	Mx	.004	2
79	MP5C	X	-11.009	2
80	MP5C	Z	-6.356	2
81	MP5C	Mx	.002	2
82	M103	X	-19.755	2
83	M103	Z	-11.406	2
84	M103	Mx	.005	2

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

1 MP1C X -13.677 5		Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
	1	MP1C	X	-13.677	.5

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

		-interina vvi (330 D		
•	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP1C	Z	-23.689	.5
3	MP1C	Mx	022	.5
4	MP1C	X	-13.677	4.5
5	MP1C	Z	-23.689	4.5
6	MP1C	Mx	022	4.5
7	MP1C	X	-13.677	.5
8	MP1C	Z	-23.689	.5
9	MP1C	Mx	.001	.5
10	MP1C	X	-13.677	4.5
11	MP1C	Z	-23.689	4.5
12	MP1C	Mx	.001	4.5
13	MP2A	X	-14.986	.5
14	MP2A	Z	-25.956	.5
15	MP2A	Mx	01	.5
16	MP2A	X	-14.986	4.5
17	MP2A	Z	-25.956	4.5
18	MP2A	Mx	01	4.5
19	MP2B	X	-15.84	.5
20	MP2B	Z	-27.435	.5
21	MP2B	Mx	.018	.5
22	MP2B	X	-15.84	4.5
23	MP2B	Z	-27.435	4.5
24	MP2B	Mx	.018	4.5
25	MP2A		-14.986	
		X Z		.5
26	MP2A		-25.956	.5
27	MP2A	Mx X	.025	.5
28	MP2A	X	-14.986	4.5
29	MP2A	Z	-25.956	4.5
30	MP2A	Mx	.025	4.5
31	MP2B	X	-15.84	.5
32	MP2B	Z	-27.435	.5
33	MP2B	Mx	024	.5
34	MP2B	X	-15.84	4.5
35	MP2B	Z	-27.435	4.5
36	MP2B	Mx	024	4.5
37	MP3A	X	-6.742	.5
38	MP3A	Z	-11.678	.5
39	MP3A	Mx	.003	.5
40	MP3A	X	-6.742	2
41	MP3A	Z	-11.678	2
42	MP3A	Mx	.003	2
43	MP3C	X	-5.22	.5
44	MP3C	Z	-9.042	.5
45	MP3C	Mx	004	.5
46	MP3C	X	-5.22	2
47	MP3C	Z	-9.042	2
48	MP3C	Mx	004	2 2
49	MP4B	X	-7.736	.5
50	MP4B	Z	-13.399	.5
51	MP4B	Mx	001	.5
52	MP4B	X	-7.736	2
53	MP4B	Z	-13.399	2 2
54	MP4B	Mx	001	2
55	MP3A	X	-2.816	5
56	MP3A	Z	-4.878	5
57	MP3A	Mx	.001	5
58	MP3C	X	-2.003	5
JO	IVIF3C	^	-2.003	Ü



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP3C	Z	-3.469	5
60	MP3C	Mx	002	5
61	MP4B	Χ	-3.347	5
62	MP4B	Z	-5.797	5
63	MP4B	Mx	000581	5
64	MP2A	Χ	-6.13	2
65	MP2A	Z	-10.617	2
66	MP2A	Mx	003	2
67	MP2C	X	-5.45	2
68	MP2C	Z	-9.439	2
69	MP2C	Mx	.004	2
70	MP3B	X	-6.574	2
71	MP3B	Z	-11.387	2
72	MP3B	Mx	.001	2
73	MP1A	X	-6.039	2
74	MP1A	Z	-10.46	2
75	MP1A	Mx	003	2
76	MP2B	X	-6.563	2
77	MP2B	Z	-11.368	2
78	MP2B	Mx	.001	2
79	MP5C	Χ	-5.236	2
80	MP5C	Z	-9.07	2
81	MP5C	Mx	.004	2
82	M103	X	-10.662	2
83	M103	Z	-18.468	2
84	M103	Mx	.005	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1C	X	0	.5
2	MP1C	Z	-7.914	.5
3	MP1C	Mx	005	.5
4	MP1C	X	0	4.5
5	MP1C	Z	-7.914	4.5
6	MP1C	Mx	005	4.5
7	MP1C	X	0	.5
8	MP1C	Z	-7.914	.5
9	MP1C	Mx	003	.5
10	MP1C	X	0	4.5
11	MP1C	Z	-7.914	4.5
12	MP1C	Mx	003	4.5
13	MP2A	X	0	.5
14	MP2A	Z	-10.535	.5
15	MP2A	Mx	007	.5
16	MP2A	X	0	4.5
17	MP2A	Z	-10.535	4.5
18	MP2A	Mx	007	4.5
19	MP2B	X	0	.5
20	MP2B	Z	-10.219	.5
21	MP2B	Mx	.008	.5
22	MP2B	X	0	4.5
23	MP2B	Z	-10.219	4.5
24	MP2B	Mx	.008	4.5
25	MP2A	X	0	.5
26	MP2A	Z	-10.535	.5
27	MP2A	Mx	.007	.5

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

Wichibe	r Point Loads (BLC 27 :			
00	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP2A	X	0	4.5
29	MP2A	Z	-10.535	4.5
30	MP2A	Mx	.007	4.5
31	MP2B	X Z	0	.5
32	MP2B		-10.219	. <u>5</u> .5
33	MP2B	Mx V	005	.5 4.5
34 35	MP2B MP2B	X Z	0 -10.219	4.5
36	MP2B	Mx	005	4.5
37	MP3A	X	005	<u>4.5</u> .5
38	MP3A	Z	-5.017	.5 .5
39	MP3A	Mx	-5.017	.5 .5
40	MP3A	X	0	2
41	MP3A	Z	-5.017	2
42	MP3A	Mx	-5:017	2
43	MP3C	X	0	.5
44	MP3C	Z	-2.056	.5
45	MP3C	Mx	001	.5
46	MP3C	X	0	2
47	MP3C	Z	-2.056	2
48	MP3C	Mx	001	2
49	MP4B	X	0	.5
50	MP4B	Z	-4.66	.5
51	MP4B	Mx	.000797	.5
52	MP4B	X	0	2
53	MP4B	Z	-4.66	2
54	MP4B	Mx	.000797	2
55	MP3A	X	0	5
56	MP3A	Z	-1.9	5
57	MP3A	Mx	0	5
58	MP3C	X	0	5
59	MP3C	Z	419	5
60	MP3C	Mx	000206	5
61	MP4B	X	0	5
62	MP4B	Z	-1.721	5
63	MP4B	Mx	.000294	5
64	MP2A	X	0	2
65	MP2A	Z	-3.992	2
66	MP2A	Mx	0	2
67	MP2C	X	0	2
68	MP2C	Z	-2.708	2
69	MP2C	Mx	.001	2
70	MP3B	X	0	2
71	MP3B		-3.837	2
72	MP3B	Mx	000656	2
73	MP1A	X	0	2
74	MP1A	Z	-3.992	2
75	MP1A	Mx Mx	0	2
76	MP2B	X Z	2,000	2
77 78	MP2B		-3.809	2
	MP2B	Mx	000651	2
79 80	MP5C MP5C	X Z	0 -2.476	2 2
81	MP5C MP5C	Mx	-2.476	2
82	M103	X	.001	2
83	M103 M103	Z	-7.126	2
				2
84	M103	Mx	.002	

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1C	X	4.074	.5
2	MP1C	Z	-7.057	.5
3	MP1C	Mx	002	.5
4	MP1C	X	4.074	4.5
5	MP1C	Z	-7.057	4.5
6	MP1C	Mx	002	4.5
7	MP1C	X	4.074	.5
8	MP1C	Z	-7.057	.5
9	MP1C	Mx	006	.5
10	MP1C	X	4.074	4.5
11	MP1C	Z	-7.057	4.5
12	MP1C	Mx	006	4.5
13	MP2A	X	4.93	.5
14	MP2A	Z	-8.539	.5
15	MP2A	Mx	008	.5
16	MP2A	X	4.93	4.5
17	MP2A	Z	-8.539	4.5
18	MP2A	Mx	008	4.5
19	MP2B	X	4.475	.5
20	MP2B	Z	-7.75	.5
21	MP2B	Mx	.007	.5
22	MP2B	X	4.475	4.5
23	MP2B	Z	-7.75	4.5
24	MP2B	Mx	.007	4.5
25	MP2A	X	4.93	.5
26	MP2A	Z	-8.539	.5
27	MP2A	Mx	.003	.5
28	MP2A	X	4.93	4.5
29	MP2A	Z	-8.539	4.5
30	MP2A	Mx	.003	4.5
31	MP2B	X	4.475	.5 .5
32	MP2B MP2B		-7.75 000407	.5 .5
34	MP2B	Mx X	4.475	4.5
35	MP2B	Z	-7.75	4.5
36	MP2B	Mx	000407	4.5
37	MP3A	X	2.127	.5
38	MP3A	Z	-3.684	.5
39	MP3A	Mx	001	.5
40	MP3A	X	2.127	2
41	MP3A	Z	-3.684	2
42	MP3A	Mx	001	2
43	MP3C	X	1.161	.5
44	MP3C	Z	-2.01	.5
45	MP3C	Mx	001	.5
46	MP3C	X	1.161	2
47	MP3C	Ž	-2.01	2
48	MP3C	Mx	001	2
49	MP4B		1.613	.5
50	MP4B	X Z	-2.793	.5
51	MP4B	Mx	.001	.5
52	MP4B	X	1.613	2
53	MP4B	Z	-2.793	2
54	MP4B	Mx	.001	2
55	MP3A	X	.759	5
56	MP3A	Z	-1.315	5
57	MP3A	Mx	00038	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	.276	5
59	MP3C	Z	477	5
60	MP3C	Mx	000259	5
61	MP4B	X	.502	5
62	MP4B	Z	869	5
63	MP4B	Mx	.000384	5
64	MP2A	X	1.831	2
65	MP2A	Z	-3.171	2
66	MP2A	Mx	.000916	2
67	MP2C	Χ	1.412	2
68	MP2C	Z	-2.445	2
69	MP2C	Mx	.001	2
70	MP3B	Χ	1.608	2
71	MP3B	Z	-2.785	2
72	MP3B	Mx	001	2
73	MP1A	X	1.801	2
74	MP1A	Z	-3.119	2
75	MP1A	Mx	.0009	2
76	MP2B	X	1.537	2
77	MP2B	Z	-2.663	2
78	MP2B	Mx	001	2
79	MP5C	X	1.306	2
80	MP5C	Z	-2.261	2
81	MP5C	Mx	.001	2
82	M103	X	4.077	2
83	M103	Z	-7.061	2
84	M103	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1C	X	8.157	.5
2	MP1C	Z	-4.709	.5
3	MP1C	Mx	.002	.5
4	MP1C	X	8.157	4.5
5	MP1C	Z	-4.709	4.5
6	MP1C	Mx	.002	4.5
7	MP1C	X	8.157	.5
8	MP1C	Z	-4.709	.5
9	MP1C	Mx	008	.5
10	MP1C	X	8.157	4.5
11	MP1C	Z	-4.709	4.5
12	MP1C	Mx	008	4.5
13	MP2A	X	7.368	.5
14	MP2A	Z	-4.254	.5
15	MP2A	Mx	007	.5
16	MP2A	X	7.368	4.5
17	MP2A	Z	-4.254	4.5
18	MP2A	Mx	007	4.5
19	MP2B	X	6.854	.5
20	MP2B	Z	-3.957	.5
21	MP2B	Mx	.005	.5
22	MP2B	X	6.854	4.5
23	MP2B	Z	-3.957	4.5
24	MP2B	Mx	.005	4.5
25	MP2A	X	7.368	.5
26	MP2A	Z	-4.254	.5

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

Wichii	Der Point Loads (BLC 29 : A			
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP2A	Mx	000848	.5
28	MP2A	X	7.368	4.5
29	MP2A	Z	-4.254	4.5
30	MP2A	Mx	000848	4.5
31	MP2B	X	6.854	.5
32	MP2B	Z	-3.957	.5
33	MP2B	Mx	.003	.5
34	MP2B	X	6.854	4.5
35	MP2B	Z	-3.957	4.5
36	MP2B	Mx	.003	4.5
37	MP3A	X	2.362	.5
38	MP3A	Z	-1.364	.5
39	MP3A	Mx	001	.5
40	MP3A	X	2.362	2
41	MP3A	Z	-1.364	2
42	MP3A	Mx	001	2
43	MP3C	X	3.252	.5
44	MP3C MP3C	Z	-1.878	.5
45	MP3C MP3C	Mx	-1.076	.5 .5
		X	3.252	.5
46	MP3C			
47	MP3C	Z	-1.878	2
48	MP3C	Mx	001	2
49	MP4B	X	1.781	.5
50	MP4B	Z	-1.028	.5
51	MP4B	Mx	.001	.5
52	MP4B	X	1.781	2
53	MP4B	Z	-1.028	2
54	MP4B	Mx	.001	2
55	MP3A	X	.653	5
56	MP3A	Z	377	5
57	MP3A	Mx	000326	5
58	MP3C	X	1.099	5
59	MP3C	Z	634	5
60	MP3C	Mx	000408	5
61	MP4B	X	.363	5
62	MP4B	Z	209	5
63	MP4B	Mx	.000206	5
64	MP2A	X	2.598	2
65	MP2A	Z	-1.5	2
66	MP2A	Mx	.001	2
67	MP2C	X	2.984	2
68	MP2C	Z	-1.723	2
69	MP2C	Mx	.001	2
70	MP3B	X	2.346	2
71	MP3B	Z	-1.354	2
72	MP3B	Mx	001	2
73	MP1A	X	2.442	2
74	MP1A	X	-1.41	2
75	MP1A	Mx	.001	2
76	MP2B	X	2.144	2
77	MP2B	Z	-1.238	2
78				2
	MP2B	Mx	001	2
79	MP5C	X	2.898	2
80	MP5C		-1.673	2
81	MP5C	Mx	.001	2
82	M103	X	7.506	2
83	M103	Z	-4.334	2



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	M103	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1C	X	10.454	.5
2	MP1C	Z	0	.5
3	MP1C	Mx	.006	.5
4	MP1C	X	10.454	4.5
5	MP1C	Z	0	4.5
6	MP1C	Mx	.006	4.5
7	MP1C	X	10.454	.5
8	MP1C	Z	0	.5
9	MP1C	Mx	008	.5
10	MP1C	X	10.454	4.5
11	MP1C	Z	0	4.5
12	MP1C	Mx	008	4.5
13	MP2A	X	7.833	.5
14	MP2A	Z	0	.5
15	MP2A	Mx	004	.5
16	MP2A	X	7.833	4.5
17	MP2A	Z	0	4.5
18	MP2A	Mx	004	4.5
19	MP2B	Х	8.149	.5
20	MP2B	Z	0	.5
21	MP2B	Mx	.002	.5
22	MP2B	X	8.149	4.5
23	MP2B	Z	0	4.5
24	MP2B	Mx	.002	4.5
25	MP2A	X	7.833	.5
26	MP2A	Z	0	.5
27	MP2A	Mx	004	.5
28	MP2A	X	7.833	4.5
29	MP2A	Z	0	4.5
30	MP2A	Mx	004	4.5
31	MP2B	X	8.149	.5
32	MP2B	Z	0	.5
33	MP2B	Mx	.006	.5
34	MP2B	X	8.149	4.5
35	MP2B	Z	0	4.5
36	MP2B	Mx	.006	4.5
37	MP3A	X	1.964	.5_
38	MP3A	Z	0	.5_
39	MP3A	Mx	000982	.5
40	MP3A	X	1.964	2
41	MP3A	Z	0	2
42	MP3A	Mx	000982	2
43	MP3C	X	4.925	.5
44	MP3C	Z	0	.5
45	MP3C	Mx	000428	.5
46	MP3C	X	4.925	2
47	MP3C	Z	0	2
48	MP3C	Mx	000428	2
49	MP4B	X	2.321	.5
50	MP4B	Z	0	.5
51	MP4B	Mx	.001	.5
52	MP4B	X	2.321	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP4B	Z	0	2
54	MP4B	Mx	.001	2
55	MP3A	X	.373	5
56	MP3A	Z	0	5
57	MP3A	Mx	000186	5
58	MP3C	X	1.854	5
59	MP3C	Z	0	5
60	MP3C	Mx	000161	5
61	MP4B	X	.551	5
62	MP4B	Z	0	5
63	MP4B	Mx	.000259	5
64	MP2A	Χ	2.669	2
65	MP2A	Z	0	2
66	MP2A	Mx	.001	2
67	MP2C	X	3.952	2
68	MP2C	Z	0	2
69	MP2C	Mx	.000343	2
70	MP3B	X	2.823	2
71	MP3B	Z	0	2
72	MP3B	Mx	001	2
73	MP1A	X	2.428	2
74	MP1A	Z	0	2
75	MP1A	Mx	.001	2
76	MP2B	Χ	2.611	2
77	MP2B	Z	0	2
78	MP2B	Mx	001	2
79	MP5C	X	3.945	2
80	MP5C	Z	0	2
81	MP5C	Mx	.000343	2
82	M103	Χ	8.154	2
83	M103	Z	0	2
84	M103	Mx	001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1C	X	8.85	.5
2	MP1C	Z	5.11	.5
3	MP1C	Mx	.008	.5
4	MP1C	X	8.85	4.5
5	MP1C	Z	5.11	4.5
6	MP1C	Mx	.008	4.5
7	MP1C	Χ	8.85	.5
8	MP1C	Z	5.11	.5
9	MP1C	Mx	005	.5
10	MP1C	X	8.85	4.5
11	MP1C	Z	5.11	4.5
12	MP1C	Mx	005	4.5
13	MP2A	X	7.368	.5
14	MP2A	Z	4.254	.5
15	MP2A	Mx	000848	.5
16	MP2A	X	7.368	4.5
17	MP2A	Z	4.254	4.5
18	MP2A	Mx	000848	4.5
19	MP2B	X	8.157	.5
20	MP2B	Z	4.709	.5
21	MP2B	Mx	002	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2B	X	8.157	4.5
23	MP2B	Z	4.709	4.5
24	MP2B	Mx	002	4.5
25	MP2A	X	7.368	<u>4.5</u> .5
26	MP2A MP2A	Z	4.254	5 5
27	MP2A	Mx		<u></u> .5
			007	5 4.5
28	MP2A	X Z	7.368	
29	MP2A		4.254	4.5
30	MP2A	Mx	007	4.5
31	MP2B	X	8.157	.5
32	MP2B		4.709	.5
33	MP2B	Mx X	.008	.5
34	MP2B	X	8.157	4.5
35	MP2B	Z	4.709	4.5
36	MP2B	Mx	.008	4.5
37	MP3A	X	2.362	.5
38	MP3A	Z	1.364	.5
39	MP3A	Mx	001	.5
40	MP3A	X	2.362	2
41	MP3A	Z	1.364	2
42	MP3A	Mx	001	2
43	MP3C	X	4.035	.5
44	MP3C	Z	2.33	.5
45	MP3C	Mx	.000797	.5
46	MP3C	X	4.035	2
47	MP3C	Z	2.33	2
48	MP3C	Mx	.000797	2
49	MP4B	X	3.252	.5
50	MP4B		1.878	.5
51	MP4B	Mx	.001	.5
52	MP4B	X Z	3.252	2
53	MP4B		1.878	2
54	MP4B	Mx V	.001	2
55	MP3A	X	.653 .377	<u>5</u> 5
56	MP3A			
57 58	MP3A MP3C	Mx V	000326 1.491	<u>5</u> 5
	MP3C	X Z	.861	<u> </u>
59 60	MP3C	Mx	.000295	<u> </u>
61	MP4B	X	1.099	5
62	MP4B	Z	.634	<u> </u>
63	MP4B	Mx	.000408	<u>5</u>
64	MP2A	X	2.598	2
65	MP2A MP2A	Z	1.5	2
66	MP2A	Mx	.001	2
67	MP2C	X	3.323	2
68	MP2C	Z	1.919	2
69	MP2C	Mx	000656	2
70	MP3B	X	2.984	2
71	MP3B	Z	1.723	2
72	MP3B	Mx	001	2
73	MP1A	X	2.442	2
74	MP1A	Z	1.41	2
75	MP1A	Mx	.001	2
76	MP2B	X	2.898	2
77	MP2B	Z	1.673	2
78	MP2B	Mx	001	2
	1111 -9	111/1	1001	-



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP5C	X	3.299	2
80	MP5C	Z	1.905	2
81	MP5C	Mx	000652	2
82	M103	X	6.172	2
83	M103	Z	3.563	2
84	M103	Mx	002	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP1C	X	4.475	.5
2	MP1C	Z	7.75	.5
3	MP1C	Mx	.007	.5
4	MP1C	X	4.475	4.5
5	MP1C	Z	7.75	4.5
6	MP1C	Mx	.007	4.5
7	MP1C	X	4.475	.5
8	MP1C	Z	7.75	.5
9	MP1C	Mx	000408	.5
10	MP1C	X	4.475	4.5
11	MP1C	Z	7.75	4.5
12	MP1C	Mx	000408	4.5
13	MP2A	X	4.93	.5
14	MP2A	Z	8.539	.5
15	MP2A	Mx	.003	.5
16	MP2A	X	4.93	4.5
17	MP2A	Z	8.539	4.5
18	MP2A	Mx	.003	4.5
19	MP2B	X	5.227	.5
20	MP2B	Z	9.053	.5
21	MP2B	Mx	006	.5
22	MP2B	X	5.227	4.5
23	MP2B	Z	9.053	4.5
24	MP2B	Mx	006	4.5
25	MP2A	X	4.93	.5
26	MP2A	Z	8.539	.5
27	MP2A	Mx	008	.5
28	MP2A	X	4.93	4.5
29	MP2A	Z	8.539	4.5
30	MP2A	Mx	008	4.5
31	MP2B	X	5.227	.5
32	MP2B	Z	9.053	.5
33	MP2B	Mx	.008	.5
34	MP2B	X	5.227	4.5
35	MP2B	Z	9.053	4.5
36	MP2B	Mx	.008	4.5
37	MP3A	X	2.127	.5
38	MP3A	Z	3.684	.5
39	MP3A	Mx	001	.5
40	MP3A	X	2.127	2
41	MP3A	Z	3.684	2
42	MP3A	Mx	001	2
43	MP3C	X	1.613	.5
44	MP3C	Z	2.793	.5
45	MP3C	Mx	.001	.5
46	MP3C	X	1.613	2
47	MP3C	Z	2.793	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP3C	Mx	.001	2
49	MP4B	X	2.462	.5
50	MP4B	Z	4.265	.5
51	MP4B	Mx	.000427	.5
52	MP4B	X	2.462	2
53	MP4B	Z	4.265	2
54	MP4B	Mx	.000427	2
55	MP3A	X	.759	5
56	MP3A	Z	1.315	5
57	MP3A	Mx	00038	5
58	MP3C	X	.502	5
59	MP3C	Z	.869	5
60	MP3C	Mx	.000384	5
61	MP4B	X	.927	5
62	MP4B	Z	1.606	5
63	MP4B	Mx	.000161	5
64	MP2A	X	1.831	2
65	MP2A	Z	3.171	2
66	MP2A	Mx	.000916	2
67	MP2C	Χ	1.608	2
68	MP2C	Z	2.785	2
69	MP2C	Mx	001	2
70	MP3B	X	1.976	2
71	MP3B	Z	3.423	2
72	MP3B	Mx	000343	2
73	MP1A	X	1.801	2
74	MP1A	Z	3.119	2
75	MP1A	Mx	.0009	2
76	MP2B	X	1.973	2
77	MP2B	Z	3.416	2
78	MP2B	Mx	000343	2
79	MP5C	X	1.537	2
80	MP5C	Z	2.663	2
81	MP5C	Mx	001	2
82	M103	X	3.306	2
83	M103	Z	5.727	2
84	M103	Mx	002	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1C	X	0	.5
2	MP1C	Z	7.914	.5
3	MP1C	Mx	.005	.5
4	MP1C	X	0	4.5
5	MP1C	Z	7.914	4.5
6	MP1C	Mx	.005	4.5
7	MP1C	X	0	.5
8	MP1C	Z	7.914	.5
9	MP1C	Mx	.003	.5
10	MP1C	X	0	4.5
11	MP1C	Z	7.914	4.5
12	MP1C	Mx	.003	4.5
13	MP2A	X	0	.5
14	MP2A	Z	10.535	.5
15	MP2A	Mx	.007	.5
16	MP2A	X	0	4.5

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

WICHI	ber Point Loads (BLC 33 : A			
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP2A	Z	10.535	4.5
18	MP2A	Mx	.007	4.5
19	MP2B	X	0	.5
20	MP2B	Z	10.219	.5
21	MP2B	Mx	008	.5
22	MP2B	X	0	4.5
23	MP2B	Ž	10.219	4.5
24	MP2B	Mx	008	4.5
25	MP2A	X	0	.5
26	MP2A	Z	10.535	.5
27	MP2A	Mx	007	.5
28	MP2A	X	0	4.5
29	MP2A	Z	10.535	4.5
30		Mx		4.5
	MP2A		007 0	
31	MP2B	X		.5
32	MP2B	Z	10.219	.5
33	MP2B	Mx	.005	.5
34	MP2B	X	0	4.5
35	MP2B	Z	10.219	4.5
36	MP2B	Mx	.005	4.5
37	MP3A	X	0	.5_
38	MP3A	Z	5.017	.5
39	MP3A	Mx	0	.5
40	MP3A	X	0	2
41	MP3A	Z	5.017	2
42	MP3A	Mx	0	2
43	MP3C	X	0	.5
44	MP3C	Z	2.056	.5
45	MP3C	Mx	.001	.5
46	MP3C	X	0	2
47	MP3C	Z	2.056	2
48	MP3C	Mx	.001	2
49	MP4B	X	0	.5
50	MP4B	Z	4.66	.5
51	MP4B	Mx	000797	.5
52	MP4B	X	0	2
53	MP4B	Z	4.66	2
54	MP4B	Mx	000797	2
55	MP3A	X	0	5
56	MP3A	7	1.9	5
57	MP3A	Mx	0	5
58	MP3C	X	0	5
59	MP3C	Z	.419	5
60	MP3C	Mx	.000206	5
61	MP4B	X	0	5
62	MP4B MP4B	Z	1.721	5
			000294	5
63	MP4B	Mx		2
64	MP2A	X	0	
65	MP2A	Z	3.992	2
66	MP2A	Mx	0	2
67	MP2C	X	0	2
68	MP2C	Z	2.708	2
69	MP2C	Mx	001	2
70	MP3B	X	0	2
71	MP3B	Z	3.837	2
72	MP3B	Mx	.000656	2
73	MP1A	X	0	2



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP1A	Z	3.992	2
75	MP1A	Mx	0	2
76	MP2B	X	0	2
77	MP2B	Z	3.809	2
78	MP2B	Mx	.000651	2
79	MP5C	X	0	2
80	MP5C	Z	2.476	2
81	MP5C	Mx	001	2
82	M103	X	0	2
83	M103	Z	7.126	2
84	M103	Mx	002	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1C	X	-4.074	.5
2	MP1C	Z	7.057	.5
3	MP1C	Mx	.002	.5
4	MP1C	X	-4.074	4.5
5	MP1C	Z	7.057	4.5
6	MP1C	Mx	.002	4.5
7	MP1C	X	-4.074	.5
8	MP1C	Z	7.057	.5
9	MP1C	Mx	.006	.5
10	MP1C	X	-4.074	4.5
11	MP1C	Z	7.057	4.5
12	MP1C	Mx	.006	4.5
13	MP2A	X	-4.93	.5
14	MP2A	Z	8.539	.5
15	MP2A	Mx	.008	.5
16	MP2A	X	-4.93	4.5
17	MP2A	Z	8.539	4.5
18	MP2A	Mx	.008	4.5
19	MP2B	X	-4.475	.5
20	MP2B	Z	7.75	.5
21	MP2B	Mx	007	.5
22	MP2B	X	-4.475	4.5
23	MP2B	Z	7.75	4.5
24	MP2B	Mx	007	4.5
25	MP2A	X	-4.93	.5
26	MP2A	Z	8.539	.5
27	MP2A	Mx	003	.5
28	MP2A	X	-4.93	4.5
29	MP2A	Z	8.539	4.5
30	MP2A	Mx	003	4.5
31	MP2B	X	-4.475	.5
32	MP2B	Z	7.75	.5
33	MP2B	Mx	.000407	.5
34	MP2B	X	-4.475	4.5
35	MP2B	Z	7.75	4.5
36	MP2B	Mx	.000407	4.5
37	MP3A	X	-2.127	.5
38	MP3A	Z	3.684	.5
39	MP3A	Mx	.001	.5
40	MP3A	X	-2.127	2
41	MP3A	Z	3.684	2
42	MP3A	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP3C	X	-1.161	.5
44	MP3C	Z	2.01	.5
45	MP3C	Mx	.001	.5
46	MP3C	X	-1.161	2
47	MP3C	Z	2.01	2
48	MP3C	Mx	.001	2
49	MP4B	X	-1.613	.5
50	MP4B	Z	2.793	.5
51	MP4B	Mx	001	.5
52	MP4B	X	-1.613	2
53	MP4B	Z	2.793	2
54	MP4B	Mx	001	2
55	MP3A	X	759	5
56	MP3A	Z	1.315	5
57	MP3A	Mx	.00038	5
58	MP3C	X	276	5
59	MP3C	Z	.477	5
60	MP3C	Mx	.000259	5
61	MP4B	X	502	5
62	MP4B	Z	.869	5
63	MP4B	Mx	000384	5
64	MP2A	X	-1.831	2
65	MP2A	Z	3.171	2
66	MP2A	Mx	000916	2
67	MP2C	X	-1.412	2
68	MP2C	Z	2.445	2
69	MP2C	Mx	001	2
70	MP3B	X	-1.608	2
71	MP3B	Z	2.785	2
72	MP3B	Mx	.001	2
73	MP1A	X	-1.801	2
74	MP1A	Z	3.119	2
75	MP1A	Mx	0009	2
76	MP2B	X	-1.537	2
77	MP2B	Z	2.663	2 2
78	MP2B	Mx	.001	
79	MP5C	X	-1.306	2
80	MP5C	Z	2.261	2
81	MP5C	Mx	001	2
82	M103	X	-4.077	2
83	M103	Z	7.061	2
84	M103	Mx	001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1C	X	-8.157	.5
2	MP1C	Z	4.709	.5
3	MP1C	Mx	002	.5
4	MP1C	X	-8.157	4.5
5	MP1C	Z	4.709	4.5
6	MP1C	Mx	002	4.5
7	MP1C	X	-8.157	.5
8	MP1C	Z	4.709	.5
9	MP1C	Mx	.008	.5
10	MP1C	X	-8.157	4.5
11	MP1C	Z	4.709	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP1C	Mx	.008	4.5
13	MP2A	X	-7.368	.5
14	MP2A	Z	4.254	.5
15	MP2A	Mx	.007	.5
16	MP2A	X	-7.368	4.5
17	MP2A	Z	4.254	4.5
18	MP2A	Mx	.007	4.5
19	MP2B	X	-6.854	.5
20	MP2B	Z	3.957	.5
21	MP2B	Mx	005	.5
22	MP2B	X	-6.854	4.5
23	MP2B	Z	3.957	4.5
24	MP2B	Mx	005	4.5
25	MP2A	X	-7.368	.5
26	MP2A	Z	4.254	.5
27	MP2A	Mx	.000848	.5
28	MP2A	X	-7.368	4.5
29	MP2A	Z	4.254	4.5
30	MP2A	Mx	.000848	4.5
31	MP2B	X	-6.854	.5
32	MP2B	Z	3.957	.5
33	MP2B	Mx	003	.5
34	MP2B	X	-6.854	4.5
35	MP2B	Z	3.957	4.5
36	MP2B	Mx	003	4.5
37	MP3A	X	-2.362	.5
38	MP3A	Z	1.364	.5
39	MP3A	Mx	.001	.5
40	MP3A	X	-2.362	2
41	MP3A	Z	1.364	2
42	MP3A	Mx	.001	2
43	MP3C	X	-3.252	.5
44	MP3C	Z	1.878	.5
45	MP3C	Mx	.001	.5
46	MP3C	X	-3.252	2
47	MP3C	Z	1.878	2
48	MP3C	Mx	.001	2
49	MP4B	X	-1.781	.5
50	MP4B	Z	1.028	.5
51	MP4B	Mx	001	.5
52	MP4B	X	-1.781	2
53	MP4B	Z	1.028	2
54	MP4B	Mx	001	2
55	MP3A	X	653	5
56	MP3A	Z	.377	5
57	MP3A	Mx	.000326	5 5
58	MP3C	X	-1.099	5
59	MP3C	Z	.634	5
60	MP3C	Mx	.000408	5
61	MP4B	X	363	5
62	MP4B	Z	.209	5
63	MP4B	Mx	000206	5 2
64	MP2A	X	-2.598	2
65	MP2A	Z	1.5	2
66	MP2A	Mx	001	2
67	MP2C	X	-2.984	2
68	MP2C	Z	1.723	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP2C	Mx	001	2
70	MP3B	X	-2.346	2
71	MP3B	Z	1.354	2
72	MP3B	Mx	.001	2
73	MP1A	X	-2.442	2
74	MP1A	Z	1.41	2
75	MP1A	Mx	001	2
76	MP2B	Χ	-2.144	2
77	MP2B	Z	1.238	2
78	MP2B	Mx	.001	2
79	MP5C	Χ	-2.898	2
80	MP5C	Z	1.673	2
81	MP5C	Mx	001	2
82	M103	X	-7.506	2
83	M103	Z	4.334	2
84	M103	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1C	X	-10.454	.5
2	MP1C	Z	0	.5
3	MP1C	Mx	006	.5
4	MP1C	X	-10.454	4.5
5	MP1C	Z	0	4.5
6	MP1C	Mx	006	4.5
7	MP1C	X	-10.454	.5
8	MP1C	Z	0	.5
9	MP1C	Mx	.008	.5
10	MP1C	X	-10.454	4.5
11	MP1C	Z	0	4.5
12	MP1C	Mx	.008	4.5
13	MP2A	X	-7.833	.5
14	MP2A	Z	0	.5
15	MP2A	Mx	.004	.5
16	MP2A	X	-7.833	4.5
17	MP2A	Z	0	4.5
18	MP2A	Mx	.004	4.5
19	MP2B	X	-8.149	.5
20	MP2B	Z	0	.5
21	MP2B	Mx	002	.5
22	MP2B	X	-8.149	4.5
23	MP2B	Z	0	4.5
24	MP2B	Mx	002	4.5
25	MP2A	X	-7.833	.5
26	MP2A	Z	0	.5
27	MP2A	Mx	.004	.5
28	MP2A	X	-7.833	4.5
29	MP2A	Z	0	4.5
30	MP2A	Mx	.004	4.5
31	MP2B	X	-8.149	.5
32	MP2B	Z	0	.5
33	MP2B	Mx	006	.5
34	MP2B	X	-8.149	4.5
35	MP2B	Z	0	4.5
36	MP2B	Mx	006	4.5
37	MP3A	X	-1.964	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP3A	Z	0	.5
39	MP3A	Mx	.000982	.5
40	MP3A	X	-1.964	2
41	MP3A	Z	0	2
42	MP3A	Mx	.000982	2
43	MP3C	X	-4.925	.5
44	MP3C	Z	0	.5
45	MP3C	Mx	.000428	.5
46	MP3C	X	-4.925	2
47	MP3C	Z	0	2
48	MP3C	Mx	.000428	2
49	MP4B	X	-2.321	.5
50	MP4B	Z	0	.5
51	MP4B	Mx	001	.5
52	MP4B	X	-2.321	2
53	MP4B	Z	0	2
54	MP4B	Mx	001	2
55	MP3A	X	373	5
56	MP3A	Z	0	5
57	MP3A	Mx	.000186	5
58	MP3C	X	-1.854	5
59	MP3C	Z	0	5
60	MP3C	Mx	.000161	5
61	MP4B	X	551	5
62	MP4B	Z	0	5
63	MP4B	Mx	000259	5
64	MP2A	X	-2.669	2
65	MP2A	Z	0	2
66	MP2A	Mx	001	2
67	MP2C	X	-3.952	2
68	MP2C	Z	0	2
69	MP2C	Mx	000343	2
70	MP3B	X	-2.823	2
71	MP3B	Z	0	2
72	MP3B	Mx	.001	2
73	MP1A	X	-2.428	2
74	MP1A	Z	0	2
75	MP1A	Mx	001	2
76	MP2B	X	-2.611	2
77	MP2B	Z	0	2
78	MP2B	Mx	.001	2
79	MP5C	X	-3.945	2
80	MP5C	Z	0	2
81	MP5C	Mx Mx	000343	2
82	M103	X	-8.154	2
83	M103	Z	0	2
84	M103	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1C	X	-8.85	.5
2	MP1C	Z	-5.11	.5
3	MP1C	Mx	008	.5
4	MP1C	X	-8.85	4.5
5	MP1C	Z	-5.11	4.5
6	MP1C	Mx	008	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP1C	X	-8.85	.5
8	MP1C	Z	-5.11	.5
9	MP1C	Mx	.005	.5
10	MP1C	X	-8.85	4.5
11	MP1C	Z	-5.11	4.5
12	MP1C	Mx	.005	4.5
13	MP2A	X	-7.368	.5
14	MP2A	Z	-4.254	.5
15	MP2A	Mx	.000848	.5
16	MP2A	X	-7.368	4.5
17	MP2A	Z	-4.254	4.5
18	MP2A	Mx	.000848	4.5
19	MP2B	X	-8.157	.5
20	MP2B	Z	-4.709	.5
21	MP2B	Mx	.002	.5
22	MP2B	X	-8.157	4.5
23	MP2B	Z	-4.709	4.5
24	MP2B	Mx	.002	4.5
25	MP2A	X	-7.368	.5
26	MP2A	Z	-4.254	.5
27	MP2A	Mx	.007	.5
28	MP2A	X	-7.368	4.5
29	MP2A	Z	-4.254	4.5
30	MP2A	Mx	.007	4.5
31	MP2B	X Z	-8.157	.5
32	MP2B		-4.709	.5
33	MP2B	Mx Y	008	.5
34	MP2B	X	-8.157	4.5
35	MP2B	Z	-4.709	4.5 4.5
36 37	MP2B	Mx V	008 -2.362	4.5 .5
38	MP3A MP3A	X Z	-1.364	.5
39	MP3A	Mx	.001	.5
40	MP3A	X	-2.362	2
41	MP3A	Z	-1.364	2
42	MP3A	Mx	.001	2
43	MP3C	X	-4.035	.5
44	MP3C	Z	-2.33	.5
45	MP3C	Mx	000797	.5
46	MP3C	X	-4.035	2
47	MP3C	Z	-2.33	2
48	MP3C	Mx	000797	2
49	MP4B		-3.252	.5
50	MP4B	X Z	-1.878	.5
51	MP4B	Mx	001	.5
52	MP4B	X	-3.252	2
53	MP4B	Z	-1.878	2
54	MP4B	Mx	001	2
55	MP3A		653	5
56	MP3A	X Z	377	5
57	MP3A	Mx	.000326	5
58	MP3C	X	-1.491	5
59	MP3C	Z	861	5 5
60	MP3C	Mx	000295	5
61	MP4B	X	-1.099	5
62	MP4B	Z	634	5
63	MP4B	Mx	000408	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP2A	X	-2.598	2
65	MP2A	Z	-1.5	2
66	MP2A	Mx	001	2
67	MP2C	X	-3.323	2
68	MP2C	Z	-1.919	2
69	MP2C	Mx	.000656	2
70	MP3B	X	-2.984	2
71	MP3B	Z	-1.723	2
72	MP3B	Mx	.001	2
73	MP1A	X	-2.442	2
74	MP1A	Z	-1.41	2
75	MP1A	Mx	001	2
76	MP2B	X	-2.898	2
77	MP2B	Z	-1.673	2
78	MP2B	Mx	.001	2
79	MP5C	X	-3.299	2
80	MP5C	Z	-1.905	2
81	MP5C	Mx	.000652	2
82	M103	X	-6.172	2
83	M103	Z	-3.563	2
84	M103	Mx	.002	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1C	X	-4.475	.5
2	MP1C	Z	-7.75	.5
3	MP1C	Mx	007	.5
4	MP1C	X	-4.475	4.5
5	MP1C	Z	-7.75	4.5
6	MP1C	Mx	007	4.5
7	MP1C	X	-4.475	.5
8	MP1C	Z	-7.75	.5
9	MP1C	Mx	.000408	.5
10	MP1C	Χ	-4.475	4.5
11	MP1C	Z	-7.75	4.5
12	MP1C	Mx	.000408	4.5
13	MP2A	Χ	-4.93	.5
14	MP2A	Z	-8.539	.5
15	MP2A	Mx	003	.5
16	MP2A	X	-4.93	4.5
17	MP2A	Z	-8.539	4.5
18	MP2A	Mx	003	4.5
19	MP2B	X	-5.227	.5
20	MP2B	Z	-9.053	.5
21	MP2B	Mx	.006	.5
22	MP2B	X	-5.227	4.5
23	MP2B	Z	-9.053	4.5
24	MP2B	Mx	.006	4.5
25	MP2A	X	-4.93	.5
26	MP2A	Z	-8.539	.5
27	MP2A	Mx	.008	.5
28	MP2A	X	-4.93	4.5
29	MP2A	Z	-8.539	4.5
30	MP2A	Mx	.008	4.5
31	MP2B	X	-5.227	.5
32	MP2B	Z	-9.053	.5

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

Wellber Point Loads (BLC 30 . Antenna Will (330 Deg)) (Continued)					
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]	
33	MP2B	Mx	008	.5	
34	MP2B	X	-5.227	4.5	
35	MP2B	Z	-9.053	4.5	
36	MP2B	Mx	008	4.5	
37	MP3A	X	-2.127	.5	
38	MP3A	Z	-3.684	.5	
39	MP3A	Mx	.001	.5	
40	MP3A	X	-2.127	2	
41	MP3A	Z	-3.684	2	
42	MP3A	Mx	.001	2	
43	MP3C	X	-1.613	.5	
44	MP3C	Z	-2.793	.5	
45	MP3C	Mx	001	.5	
46	MP3C	X	-1.613	2	
47	MP3C	Z	-2.793	2	
48	MP3C	Mx	001	2	
49	MP4B	X	-2.462	.5	
50	MP4B	Z	-4.265	.5	
51	MP4B	Mx	000427	.5	
52	MP4B	X	-2.462	2	
53	MP4B	Z	-4.265	2	
54	MP4B	Mx	000427	2	
55	MP3A	X	759	5	
56	MP3A	Z	-1.315	5	
57	MP3A	Mx	.00038	5	
58	MP3C	X	502	5	
59	MP3C	Z	869	5	
60	MP3C	Mx	000384	5	
61	MP4B	X	927	5	
62	MP4B	Z	-1.606	5	
63	MP4B	Mx	000161	5	
64	MP2A	X	-1.831	2	
65	MP2A	Z	-3.171	2	
66	MP2A	Mx	000916	2	
67	MP2C	X	-1.608	2	
68	MP2C	Z	-2.785	2	
69	MP2C	Mx	.001	2	
70	MP3B	X	-1.976	2	
71	MP3B	Z	-3.423	2	
72	MP3B	Mx	.000343	2	
73	MP1A	X	-1.801	2	
74	MP1A		-3.119	2	
75	MP1A	Mx	0009	2 2	
76	MP2B	X	-1.973	2	
77	MP2B	Z	-3.416	2	
78	MP2B	Mx	.000343	2	
79	MP5C	X	-1.537	2	
80	MP5C	Z	-2.663	2	
81	MP5C	Mx	.001	2	
82	M103	X	-3.306	2	
83	M103	Z	-5.727	2	
84	M103	Mx	.002	2	

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M82A	Υ	-500	%23



Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M82A	Υ	-500	%93

Member Point Loads (BLC 79 : Lv1)

_		Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
	1	M82A	Υ	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M82A	Υ	-250	%50

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1C	Y	0	.5
2	MP1C	My	0	.5
3	MP1C	Mz	0	.5
4	MP1C	Y	0	4.5
5	MP1C	My	0	4.5
6	MP1C	Mz	0	4.5
7	MP1C	Y	0	.5
8	MP1C	My	0	.5
9	MP1C	Mz	0	.5
10	MP1C	Y	0	4.5
11	MP1C	My	0	4.5
12	MP1C	Mz	0	4.5
13	MP2A	Υ	0	.5
14	MP2A	My	0	.5
15	MP2A	Mz	0	.5
16	MP2A	Υ	0	4.5
17	MP2A	My	0	4.5
18	MP2A	Mz	0	4.5
19	MP2B	Υ	0	.5
20	MP2B	My	0	.5
21	MP2B	Mz	0	.5
22	MP2B	Υ	0	4.5
23	MP2B	My	0	4.5
24	MP2B	Mz	0	4.5
25	MP2A	Υ	0	.5
26	MP2A	My	0	.5
27	MP2A	Mz	0	.5
28	MP2A	Υ	0	4.5
29	MP2A	My	0	4.5
30	MP2A	Mz	0	4.5
31	MP2B	Υ	0	.5
32	MP2B	My	0	.5
33	MP2B	Mz	0	.5
34	MP2B	Υ	0	4.5
35	MP2B	My	0	4.5
36	MP2B	Mz	0	4.5
37	MP3A	Y	0	.5
38	MP3A	My	0	.5
39	MP3A	Mz	0	.5
40	MP3A	Υ	0	2
41	MP3A	My	0	2
42	MP3A	Mz	0	2
43	MP3C	Y	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP3C	My	0	.5
45	MP3C	Mz	0	.5
46	MP3C	Υ	0	2
47	MP3C	My	0	2
48	MP3C	Mz	0	2
49	MP4B	Υ	0	.5
50	MP4B	My	0	.5
51	MP4B	Mz	0	.5
52	MP4B	Υ	0	2
53	MP4B	My	0	2
54	MP4B	Mz	0	2
55	MP3A	Υ	0	5
56	MP3A	My	0	5
57	MP3A	Mz	0	5
58	MP3C	Υ	0	5
59	MP3C	My	0	5
60	MP3C	Mz	0	5
61	MP4B	Υ	0	5
62	MP4B	My	0	5
63	MP4B	Mz	0	5
64	MP2A	Υ	0	2
65	MP2A	My	0	2
66	MP2A	Mz	0	2
67	MP2C	Υ	0	2
68	MP2C	My	0	2
69	MP2C	Mz	0	2 2
70	MP3B	Υ	0	2
71	MP3B	My	0	2
72	MP3B	Mz	0	2
73	MP1A	Υ	0	2
74	MP1A	My	0	2
75	MP1A	Mz	0	2
76	MP2B	Υ	0	2
77	MP2B	My	0	2
78	MP2B	Mz	0	2
79	MP5C	Υ	0	2
80	MP5C	My	0	2
81	MP5C	Mz	0	2
82	M103	Υ	0	2
83	M103	My	0	2
84	M103	Mz	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1C	Z	69	.5
2	MP1C	Mx	00042	.5
3	MP1C	Z	69	4.5
4	MP1C	Mx	00042	4.5
5	MP1C	Z	69	.5
6	MP1C	Mx	00026	.5
7	MP1C	Z	69	4.5
8	MP1C	Mx	00026	4.5
9	MP2A	Z	69	.5
10	MP2A	Mx	00046	.5
11	MP2A	Z	69	4.5
12	MP2A	Mx	00046	4.5

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

Member Fount Loads (BLC 02 : Antenna Lin (0 Deg)) (Continued)					
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]	
13	MP2B	Z	69	.5	
14	MP2B	Mx	.00055	.5	
15	MP2B	Z	69	4.5	
16	MP2B	Mx	.00055	4.5	
17	MP2A	Z	69	.5	
18	MP2A	Mx	.00046	.5	
19	MP2A	Z	69	4.5	
20	MP2A	Mx	.00046	4.5	
21	MP2B	Z	69	.5	
22	MP2B	Mx	000314	.5	
23	MP2B	Z	69	4.5	
24	MP2B	Mx	000314	4.5	
25	MP3A	Z	-1.306	.5	
26	MP3A	Mx	0	.5	
27	MP3A	Z	-1.306	2	
28	MP3A	Mx	0	2	
29	MP3C	Z	-1.306	.5	
30	MP3C	Mx	000643	.5	
31	MP3C	Z	-1.306	2	
32	MP3C	Mx	000643	2	
33	MP4B	Z	-1.306	.5	
34	MP4B	Mx	.000223	.5	
35	MP4B	Z	-1.306	2	
36	MP4B	Mx	.000223	2	
37	MP3A	Z	132	5	
38	MP3A	Mx	0	5	
39	MP3C	Z	132	5	
40	MP3C	Mx	-6.5e-5	5	
41	MP4B	Z	132	5	
42	MP4B	Mx	2.3e-5	5	
43	MP2A	Z	-2.241	2	
44	MP2A	Mx	0	2	
45	MP2C	Z	-2.241	2	
46	MP2C	Mx	.001	2	
47	MP3B	Z	-2.241	2	
48	MP3B	Mx	000383	2	
49	MP1A	Z	-2.109	2	
50	MP1A	Mx	0	2	
51	MP2B	Z	-2.109	2	
52	MP2B	Mx	000361	2	
53	MP5C	Z	-2.109	2	
54	MP5C	Mx	.001	2	
55	M103	Z	96	2	
56	M103	Mx	.000208	2	

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1C	X	.69	.5
2	MP1C	Mx	.000393	.5
3	MP1C	X	.69	4.5
4	MP1C	Mx	.000393	4.5
5	MP1C	Χ	.69	.5
6	MP1C	Mx	000513	.5
7	MP1C	X	.69	4.5
8	MP1C	Mx	000513	4.5
9	MP2A	X	.69	.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP2A	Mx	000345	.5
11	MP2A	X	.69	4.5
12	MP2A	Mx	000345	4.5
13	MP2B	X	.69	.5
14	MP2B	Mx	.000167	.5
15	MP2B	X	.69	4.5
16	MP2B	Mx	.000167	4.5
17	MP2A	X	.69	.5
18	MP2A	Mx	000345	.5
19	MP2A	X	.69	4.5
20	MP2A	Mx	000345	4.5
21	MP2B	X	.69	.5
22	MP2B	Mx	.000482	.5
23	MP2B	X	.69	4.5
24	MP2B	Mx	.000482	4.5
25	MP3A	X	1.306	.5
26	MP3A	Mx	000653	.5
27	MP3A	X	1.306	2
28	MP3A	Mx	000653	2
29	MP3C	X	1.306	.5
30	MP3C	Mx	000113	.5
31	MP3C	X	1.306	2
32	MP3C	Mx	000113	2
33	MP4B	X	1.306	.5
34	MP4B	Mx	.000614	.5
35	MP4B	X	1.306	2
36	MP4B	Mx	.000614	2
37	MP3A	X	.132	5
38	MP3A	Mx	-6.6e-5	5
39	MP3C	X	.132	5
40	MP3C	Mx	-1.1e-5	5
41	MP4B	X	.132	5
42	MP4B	Mx	6.2e-5	5
43	MP2A	X	2.241	2
44	MP2A	Mx	.001	2
45	MP2C	X	2.241	2
46	MP2C	Mx	.000195	2
47	MP3B	X	2.241	2
48	MP3B	Mx	001	2
49	MP1A	X	2.109	2
50	MP1A	Mx	.001	
51	MP2B	X	2.109	2
52	MP2B	Mx	000991	2
53	MP5C	X	2.109	2
54	MP5C	Mx	.000183	2
55	M103	X	.96	2
56	M103	Mx	00012	2

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	-6.566	-6.566	0	%100
2	M4	Υ	-9.609	-9.609	0	%100
3	M10	Υ	-9.609	-9.609	0	%100
4	MP2B	Υ	-4.979	-4.979	0	%100
5	MP4B	Υ	-4.979	-4.979	0	%100

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

	Member Label	Direction		.End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
6	MP1B	Υ	-4.979	-4.979	0	%100
7	M43	Y	-9.609	-9.609	0	%100
8	M46	Υ	-10.122	-10.122	0	%100
9	<u>M51B</u>	Y	-5.619	-5.619	0	%100
10	M52B	Υ	-5.619	-5.619	0	%100
11	M76	Y	-10.109	-10.109	0	%100
12	M77	Υ	-10.109	-10.109	0	%100
13	M80	Υ	-10.122	-10.122	0	%100
14	M84	Υ	-10.109	-10.109	0	%100
15	M85	Y	-10.109	-10.109	0	%100
16	M91	Υ	-10.122	-10.122	0	%100
17	M52A	Y	-9.609	-9.609	0	%100
18	M53	Υ	-9.609	-9.609	0	%100
19	M54	Υ	-9.609	-9.609	0	%100
20	M55	Υ	-10.122	-10.122	0	%100
21	M58A	Y	-5.619	-5.619	0	%100
22	M59A	Y	-5.619	-5.619	0	%100
23	M63	Y	-10.109	-10.109	0	%100
24	M64	Υ	-10.109	-10.109	0	%100
25	M66	Y	-10.122	-10.122	0	%100
26	M68	Υ	-10.109	-10.109	0	%100
27	M69	Y	-10.109	-10.109	0	%100
28	M71	Y	-10.122	-10.122	0	%100
29	M76A	Y	-9.609	-9.609	0	%100
30	<u>M77A</u>	Υ	-9.609	-9.609	0	%100
31	M78	Y	-9.609	-9.609	0	%100
32	<u>M79A</u>	Y	-10.122	-10.122	0	%100
33	M82	Y	-5.619	-5.619	0	%100
34	M83A	Y	-5.619	-5.619	0	%100
35	<u>M87</u>	Y	-10.109	-10.109	0	%100
36	M88A	Y	-10.109	-10.109	0	%100
37	M90	Y	-10.122	-10.122	0	%100
38	M92A	Y	-10.109	-10.109	0	%100
39	M93	Y	-10.109	-10.109	0	%100
40	M95	Y	-10.122	-10.122	0	%100
41	M82A	Y	-6.566	-6.566	0	%100
42	M91B	Y	-6.566	-6.566	0	%100
43	MP3B	Y	-4.979	-4.979	0	%100
44	MP3A	Y	-4.979	-4.979	0	%100
45	MP2A MP1A	Y	-4.979 -4.979	-4.979 -4.979	0	%100 %100
46 47	MP1A MP6C	Y	-4.979 -4.979	-4.979 -4.979	0	
	MP6C MP2C	Y	-4.979 -4.979	-4.979 -4.979	0	%100 %100
48 49	MP5C	Y	-4.979 -4.979	-4.979 -4.979		%100 %100
50	M103	Y	-4.979 -4.979	-4.979 -4.979	0	%100 %100
51	M104	Y	-4.979 -5.685	-4.979 -5.685	0	%100 %100
52	M111	Y	-5.685	-5.685	0	%100 %100
53	M112	Y	-5.685	-5.685	0	%100 %100
54	M126	Y	-5.665 -7.614	-5.665 -7.614	0	%100 %100
55	M127	Y	-7.614 -7.614	-7.614 -7.614	0	%100 %100
56	M128	Y	-7.614	-7.614	0	%100 %100
57	MP1C	Y	-4.979	-4.979	0	%100 %100
58	M125A	Y	-4.979	-4.979 -2.51	0	%100 %100
59	M126A	Y	-2.51	-2.51	0	%100 %100
60	M131	Y	-2.51	-2.51	0	%100 %100
61	M132	Y	-2.51	-2.51	0	%100 %100
62	MP3C	Y	-4.979	-4.979	0	%100 %100
02	IVIPSU	ľ	-4.979	-4.979	U	76 100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
63	M138	Υ	-2.51	-2.51	0	%100
64	M139	Υ	-2.51	-2.51	0	%100
65	M144	Υ	-2.51	-2.51	0	%100
66	M145	Υ	-2.51	-2.51	0	%100

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

1 M1 X 0 0 %100 2 M1 Z -3.401 -3.401 0 %100 3 M4 X 0 0 0 %100 4 M4 Z -10.362 -10.362 0 %100 5 M10 X 0 0 0 %100 6 M10 Z -2.923 -2.923 0 %100 7 MP2B X 0 0 0 %100 8 MP2B Z -9.23 -9.23 0 %100 9 MP4B X 0 0 0 %100 10 MP4B Z -9.23 -9.23 0 %100 11 MP1B X 0 0 0 %100 12 MP1B X 0 0 0 %100 13 M43 X 0 0 0
New York
4 M4 Z -10.362 -10.362 0 %100 5 M10 X 0 0 0 %100 6 M10 Z -2.923 -2.923 0 %100 7 MP2B X 0 0 0 %100 8 MP2B Z -9.23 -9.23 0 %100 9 MP4B X 0 0 0 %100 10 MP4B X 0 0 0 %100 11 MP1B X 0 0 0 %100 12 MP1B X 0 0 0 %100 13 M43 X 0 0 0 %100 14 M43 Z -2.923 -2.923 0 %100 15 M46 X 0 0 0 %100 17 M51B X 0 0
5 M10 X 0 0 %100 6 M10 Z -2.923 -2.923 0 %100 7 MP2B X 0 0 0 %100 8 MP2B Z -9.23 -9.23 0 %100 9 MP4B X 0 0 0 %100 10 MP4B X 0 0 0 %100 11 MP1B X 0 0 0 %100 12 MP1B Z -9.23 -9.23 0 %100 13 M43 X 0 0 0 %100 14 M43 Z -2.923 -9.23 0 %100 15 M46 X 0 0 0 %100 15 M46 X 0 0 0 %100 16 M46 Z -5.83 -5.83 0
6 M10 Z -2.923 -2.923 0 %100 7 MP2B X 0 0 0 %100 8 MP2B Z -9.23 -9.23 0 %100 9 MP4B X 0 0 0 %100 10 MP4B Z -9.23 -9.23 0 %100 11 MP1B X 0 0 0 %100 12 MP1B Z -9.23 -9.23 0 %100 13 M43 X 0 0 0 %100 14 M43 X 0 0 0 %100 15 M46 X 0 0 0 %100 15 M46 X 0 0 0 %100 17 M51B X 0 0 0 %100 18 M51B Z -12,948 -12,
7 MP2B X 0 0 %100 8 MP2B Z -9.23 -9.23 0 %100 9 MP4B X 0 0 0 %100 10 MP4B Z -9.23 -9.23 0 %100 11 MP1B X 0 0 0 %100 12 MP1B Z -9.23 -9.23 0 %100 13 M43 X 0 0 0 %100 14 M43 X 0 0 0 %100 14 M43 X 0 0 0 %100 15 M46 X 0 0 0 %100 16 M46 X 0 0 0 %100 17 M51B X 0 0 0 %100 18 M51B Z -12.948 -12.948 0
8 MP2B Z -9.23 -9.23 0 %100 9 MP4B X 0 0 0 %100 10 MP4B Z -9.23 -9.23 0 %100 11 MP1B X 0 0 0 %100 12 MP1B Z -9.23 -9.23 0 %100 13 M43 X 0 0 0 %100 14 M43 Z -2.923 -2.923 0 %100 15 M46 X 0 0 0 %100 15 M46 X 0 0 0 %100 17 M51B X 0 0 0 %100 17 M51B X 0 0 0 %100 19 M52B X 0 0 0 %100 20 M52B X 0 0
9 MP4B X 0 0 %100 10 MP4B Z -9.23 -9.23 0 %100 11 MP1B X 0 0 0 %100 12 MP1B Z -9.23 -9.23 0 %100 13 M43 X 0 0 0 %100 14 M43 Z -2.923 -2.923 0 %100 14 M43 Z -2.923 0 %100 14 M43 Z -2.923 0 %100 14 M43 Z -2.923 0 %100 16 M46 X 0 0 0 %100 16 M46 X 0 0 0 %100 16 M46 X 0 0 0 %100 17 M51B X 0 0 0 %100 10 %100 10 %100 10 10 %100
10 MP4B Z -9.23 -9.23 0 %100 11 MP1B X 0 0 0 %100 12 MP1B Z -9.23 -9.23 0 %100 13 M43 X 0 0 0 %100 14 M43 Z -2.923 -2.923 0 %100 15 M46 X 0 0 0 %100 16 M46 X 0 0 0 %100 16 M46 Z -5.83 -5.83 0 %100 17 M51B X 0 0 0 %100 18 M51B Z -12.948 -12.948 0 %100 19 M52B X 0 0 0 %100 20 M52B Z -3.237 -3.237 0 %100 21 M76 X 0
11 MP1B X 0 0 %100 12 MP1B Z -9.23 -9.23 0 %100 13 M43 X 0 0 0 %100 14 M43 Z -2.923 -2.923 0 %100 15 M46 X 0 0 0 %100 16 M46 X 0 0 0 %100 16 M46 X 0 0 0 %100 17 M51B X 0 0 0 %100 18 M51B Z -12.948 -12.948 0 %100 19 M52B X 0 0 0 %100 20 M52B X 0 0 0 %100 21 M76 X 0 0 0 %100 22 M76 Z -17.489 -17.489
12 MP1B Z -9.23 -9.23 0 %100 13 M43 X 0 0 0 %100 14 M43 Z -2.923 -2.923 0 %100 15 M46 X 0 0 0 %100 16 M46 Z -5.83 -5.83 0 %100 17 M51B X 0 0 0 %100 18 M51B Z -12.948 -12.948 0 %100 19 M52B X 0 0 0 %100 20 M52B X 0 0 0 %100 21 M76 X 0 0 0 %100 22 M76 Z -17.489 -17.489 0 %100 23 M77 X 0 0 0 %100 25 M80 X 0
13 M43 X 0 0 0 %100 14 M43 Z -2.923 -2.923 0 %100 15 M46 X 0 0 0 %100 16 M46 Z -5.83 -5.83 0 %100 17 M51B X 0 0 0 %100 18 M51B Z -12.948 -12.948 0 %100 19 M52B X 0 0 0 %100 20 M52B X 0 0 0 %100 21 M76 X 0 0 0 %100 21 M76 X 0 0 0 %100 23 M77 X 0 0 0 %100 24 M77 Z -23.75 -23.75 0 %100 25 M80 X 0 0
14 M43 Z -2.923 -2.923 0 %100 15 M46 X 0 0 0 %100 16 M46 Z -5.83 -5.83 0 %100 17 M51B X 0 0 0 %100 18 M51B Z -12.948 -12.948 0 %100 19 M52B X 0 0 0 %100 20 M52B Z -3.237 -3.237 0 %100 21 M76 X 0 0 0 %100 21 M76 X 0 0 0 %100 23 M77 X 0 0 0 %100 24 M77 Z -23.75 -23.75 0 %100 25 M80 X 0 0 0 %100 26 M80 Z -25.015
15 M46 X 0 0 0 %100 16 M46 Z -5.83 -5.83 0 %100 17 M51B X 0 0 0 %100 18 M51B Z -12.948 0 %100 19 M52B X 0 0 0 %100 20 M52B Z -3.237 -3.237 0 %100 21 M76 X 0 0 0 %100 21 M76 X 0 0 0 %100 22 M76 Z -17.489 -17.489 0 %100 23 M77 X 0 0 0 %100 24 M77 Z -23.75 -23.75 0 %100 25 M80 X 0 0 0 %100 27 M84 X 0 0 <t< td=""></t<>
16 M46 Z -5.83 -5.83 0 %100 17 M51B X 0 0 0 %100 18 M51B Z -12.948 -12.948 0 %100 19 M52B X 0 0 0 %100 20 M52B Z -3.237 -3.237 0 %100 21 M76 X 0 0 0 %100 21 M76 X 0 0 0 %100 22 M76 Z -17.489 -17.489 0 %100 23 M77 X 0 0 0 %100 24 M77 Z -23.75 -23.75 0 %100 25 M80 X 0 0 0 %100 26 M80 Z -25.015 0 %100 27 M84 X 0 0
16 M46 Z -5.83 -5.83 0 %100 17 M51B X 0 0 0 %100 18 M51B Z -12.948 -12.948 0 %100 19 M52B X 0 0 0 %100 20 M52B Z -3.237 -3.237 0 %100 21 M76 X 0 0 0 %100 21 M76 X 0 0 0 %100 22 M76 Z -17.489 -17.489 0 %100 23 M77 X 0 0 0 %100 24 M77 Z -23.75 -23.75 0 %100 25 M80 X 0 0 0 %100 26 M80 Z -25.015 0 %100 27 M84 X 0 0
17 M51B X 0 0 %100 18 M51B Z -12.948 -12.948 0 %100 19 M52B X 0 0 0 %100 20 M52B Z -3.237 -3.237 0 %100 21 M76 X 0 0 0 %100 22 M76 Z -17.489 -17.489 0 %100 23 M77 X 0 0 0 %100 24 M77 Z -23.75 -23.75 0 %100 25 M80 X 0 0 0 %100 26 M80 X 0 0 0 %100 27 M84 X 0 0 0 %100 28 M84 Z -17.489 -17.489 0 %100 30 M85 X 0 0
18 M51B Z -12.948 -12.948 0 %100 19 M52B X 0 0 0 %100 20 M52B Z -3.237 -3.237 0 %100 21 M76 X 0 0 0 %100 22 M76 Z -17.489 -17.489 0 %100 23 M77 X 0 0 0 %100 24 M77 Z -23.75 -23.75 0 %100 25 M80 X 0 0 0 %100 26 M80 Z -25.015 -25.015 0 %100 27 M84 X 0 0 0 %100 28 M84 Z -17.489 -17.489 0 %100 29 M85 X 0 0 0 %100 30 M85 Z
19 M52B X 0 0 %100 20 M52B Z -3.237 -3.237 0 %100 21 M76 X 0 0 0 %100 22 M76 Z -17.489 -17.489 0 %100 23 M77 X 0 0 0 %100 24 M77 Z -23.75 -23.75 0 %100 25 M80 X 0 0 0 %100 26 M80 Z -25.015 -25.015 0 %100 27 M84 X 0 0 0 %100 28 M84 Z -17.489 -17.489 0 %100 29 M85 X 0 0 0 %100 31 M91 X 0 0 0 %100 32 M91 Z -6.254 -6.2
20 M52B Z -3.237 -3.237 0 %100 21 M76 X 0 0 0 %100 22 M76 Z -17.489 -17.489 0 %100 23 M77 X 0 0 0 %100 24 M77 Z -23.75 -23.75 0 %100 25 M80 X 0 0 0 %100 26 M80 Z -25.015 -25.015 0 %100 27 M84 X 0 0 0 %100 28 M84 Z -17.489 -17.489 0 %100 29 M85 X 0 0 0 %100 30 M85 Z -5.937 -5.937 0 %100 31 M91 X 0 0 0 %100 32 M91 Z
21 M76 X 0 0 %100 22 M76 Z -17.489 -17.489 0 %100 23 M77 X 0 0 0 %100 24 M77 Z -23.75 -23.75 0 %100 25 M80 X 0 0 0 %100 26 M80 Z -25.015 -25.015 0 %100 27 M84 X 0 0 0 %100 28 M84 Z -17.489 -17.489 0 %100 29 M85 X 0 0 0 %100 30 M85 Z -5.937 -5.937 0 %100 31 M91 X 0 0 0 %100 32 M91 Z -6.254 -6.254 0 %100 34 M52A Z 0
22 M76 Z -17.489 -17.489 0 %100 23 M77 X 0 0 0 %100 24 M77 Z -23.75 -23.75 0 %100 25 M80 X 0 0 0 %100 26 M80 Z -25.015 -25.015 0 %100 27 M84 X 0 0 0 %100 28 M84 Z -17.489 -17.489 0 %100 29 M85 X 0 0 0 %100 30 M85 Z -5.937 -5.937 0 %100 31 M91 X 0 0 0 %100 32 M91 Z -6.254 -6.254 0 %100 34 M52A Z 0 0 %100
23 M77 X 0 0 %100 24 M77 Z -23.75 -23.75 0 %100 25 M80 X 0 0 0 %100 26 M80 Z -25.015 -25.015 0 %100 27 M84 X 0 0 0 %100 28 M84 Z -17.489 -17.489 0 %100 29 M85 X 0 0 0 %100 30 M85 Z -5.937 -5.937 0 %100 31 M91 X 0 0 0 %100 32 M91 Z -6.254 -6.254 0 %100 34 M52A Z 0 0 0 %100
24 M77 Z -23.75 -23.75 0 %100 25 M80 X 0 0 0 %100 26 M80 Z -25.015 -25.015 0 %100 27 M84 X 0 0 0 %100 28 M84 Z -17.489 -17.489 0 %100 29 M85 X 0 0 0 %100 30 M85 Z -5.937 -5.937 0 %100 31 M91 X 0 0 0 %100 32 M91 Z -6.254 -6.254 0 %100 33 M52A X 0 0 0 %100 34 M52A Z 0 0 0 %100
25 M80 X 0 0 0 %100 26 M80 Z -25.015 -25.015 0 %100 27 M84 X 0 0 0 %100 28 M84 Z -17.489 -17.489 0 %100 29 M85 X 0 0 0 %100 30 M85 Z -5.937 -5.937 0 %100 31 M91 X 0 0 0 %100 32 M91 Z -6.254 -6.254 0 %100 33 M52A X 0 0 %100 34 M52A Z 0 0 %100
26 M80 Z -25.015 -25.015 0 %100 27 M84 X 0 0 0 %100 28 M84 Z -17.489 -17.489 0 %100 29 M85 X 0 0 0 %100 30 M85 Z -5.937 -5.937 0 %100 31 M91 X 0 0 0 %100 32 M91 Z -6.254 -6.254 0 %100 33 M52A X 0 0 0 %100 34 M52A Z 0 0 %100
27 M84 X 0 0 0 %100 28 M84 Z -17.489 -17.489 0 %100 29 M85 X 0 0 0 %100 30 M85 Z -5.937 -5.937 0 %100 31 M91 X 0 0 0 %100 32 M91 Z -6.254 -6.254 0 %100 33 M52A X 0 0 0 %100 34 M52A Z 0 0 %100
28 M84 Z -17.489 -17.489 0 %100 29 M85 X 0 0 0 %100 30 M85 Z -5.937 -5.937 0 %100 31 M91 X 0 0 0 %100 32 M91 Z -6.254 -6.254 0 %100 33 M52A X 0 0 0 %100 34 M52A Z 0 0 %100
29 M85 X 0 0 0 %100 30 M85 Z -5.937 -5.937 0 %100 31 M91 X 0 0 0 %100 32 M91 Z -6.254 -6.254 0 %100 33 M52A X 0 0 0 %100 34 M52A Z 0 0 %100
30 M85 Z -5.937 -5.937 0 %100 31 M91 X 0 0 0 %100 32 M91 Z -6.254 -6.254 0 %100 33 M52A X 0 0 0 %100 34 M52A Z 0 0 %100
31 M91 X 0 0 0 %100 32 M91 Z -6.254 -6.254 0 %100 33 M52A X 0 0 0 %100 34 M52A Z 0 0 %100
32 M91 Z -6.254 -6.254 0 %100 33 M52A X 0 0 0 %100 34 M52A Z 0 0 %100
33 M52A X 0 0 0 %100 34 M52A Z 0 0 %100
34 M52A Z 0 0 0 %100
35 M53 X 0 0 0 %100
36 M53 Z -11.691 -11.691 0 %100
37 M54 X 0 0 0 %100
38 M54 Z -11.691 -11.691 0 %100
39 M55 X 0 0 0 %100
40 M55 Z -23.318 -23.318 0 %100
41 M58A X 0 0 0 %100
42 M58A Z -3.237 -3.237 0 %100
43 M59A X 0 0 0 %100
44 M59A Z -3.237 -3.237 0 %100
45 M63 X 0 0 0 %100
46 M63 Z 0 0 0 %100
47 M64 X 0 0 0 %100
48 M64 Z -5.937 -5.937 0 %100
49 M66 X 0 0 0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,			End Location[ft,%]
50	M66	Z	-6.254	-6.254	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	0	0	0	%100
53	M69	Х	0	0	0	%100
54	M69	Z	-5.937	-5.937	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	-6.254	-6.254	0	%100
57	M76A	X	0	0	0	%100
58	M76A	Z	-10.362	-10.362	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	-2.923	-2.923	0	%100
61	M78	X	0	0	0	%100
62	M78	Z	-2.923	-2.923	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	-5.83	-5.83	0	%100
65	M82	X	0	0	0	%100
66	M82	Z	-3.237	-3.237	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	-12.948	-12.948	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	-17.489	-17.489	0	%100
71	M88A	X	0	0	0	%100
72	M88A	Z	-5.937	-5.937	0	%100
73	M90	X	0	0	0	%100
74	M90	Z	-6.254	-6.254	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Z	-17.489	-17.489	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	-23.75	-23.75	0	%100
79	M95	X	0	0	0	%100
80	M95	Z	-25.015	-25.015	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	-13.602	-13.602	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	-3.401	-3.401	0	%100
85	MP3B	X	0	0	0	%100
86	MP3B	Z	-9.23	-9.23	0	%100
87	MP3A	X	0	0	0	%100
88	MP3A	Z	-9.23	-9.23	0	%100
89	MP2A	X	0	0	0	%100 %100
90	MP2A	Z	-9.23	-9.23	0	%100 %100
91	MP1A	X	0	0	0	%100 %100
92	MP1A MP6C	Z	-9.23	-9.23	0	%100 %100
93	MP6C	X Z	-9.23	0	0	%100 %100
94	MP6C	X		-9.23		%100 %100
95 96	MP2C	Z	-9.23	-9.23	0	%100 %100
	MP2C					%100 %100
97 98	MP5C MP5C	X Z	-9.23	-9.23	0	%100 %100
99	M103	X	-9.23 0	-9.23 0	0	%100 %100
100	M103	Z	-8.411	-8.411	0	%100 %100
101	M104	X	0.411	0	0	%100 %100
102	M104	Z	-2.793	-2.793	0	%100 %100
103	M111	X	-2.793	-2.793	0	%100 %100
104	M111	Z	-11.173	-11.173	0	%100 %100
105	M112	X	0	0	0	%100 %100
106	M112	Z	-2.793	-2.793	0	%100 %100
TŲŲ	IVITIZ		-2.130	-2.130	U	/0100

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,%]
107	M126	X	0	0	0	%100
108	M126	Z	-3.528	-3.528	0	%100
109	M127	X	0	0	0	%100
110	M127	Z	-14.112	-14.112	0	%100
111	M128	X	0	0	0	%100
112	M128	Z	-3.528	-3.528	0	%100
113	MP1C	X	0	0	0	%100
114	MP1C	Z	-9.23	-9.23	0	%100
115	M125A	X	0	0	0	%100
116	M125A	Z	-1.248	-1.248	0	%100
117	M126A	X	0	0	0	%100
118	M126A	Z	-1.248	-1.248	0	%100
119	M131	X	0	0	0	%100
120	M131	Z	-1.248	-1.248	0	%100
121	M132	X	0	0	0	%100
122	M132	Z	-1.248	-1.248	0	%100
123	MP3C	X	0	0	0	%100
124	MP3C	Z	-9.23	-9.23	0	%100
125	M138	X	0	0	0	%100
126	M138	Z	-1.248	-1.248	0	%100
127	M139	X	0	0	0	%100
128	M139	Z	-1.248	-1.248	0	%100
129	M144	X	0	0	0	%100
130	M144	Z	-1.248	-1.248	0	%100
131	M145	X	0	0	0	%100
132	M145	Z	-1.248	-1.248	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	6.908	6.908	0	%100
4	M4	Z	-11.965	-11.965	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP2B	X	4.615	4.615	0	%100
8	MP2B	Z	-7.994	-7.994	0	%100
9	MP4B	X	4.615	4.615	0	%100
10	MP4B	Z	-7.994	-7.994	0	%100
11	MP1B	X	4.615	4.615	0	%100
12	MP1B	Z	-7.994	-7.994	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	0	0	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	0	0	0	%100
17	M51B	X	4.856	4.856	0	%100
18	M51B	Z	-8.41	-8.41	0	%100
19	M52B	X	4.856	4.856	0	%100
20	M52B	Z	-8.41	-8.41	0	%100
21	M76	X	11.659	11.659	0	%100
22	M76	Z	-20.194	-20.194	0	%100
23	M77	X	8.906	8.906	0	%100
24	M77	Z	-15.426	-15.426	0	%100
25	M80	Χ	9.381	9.381	0	%100
26	M80	Z	-16.248	-16.248	0	%100
27	M84	X	11.659	11.659	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
28	M84	Z	-20.194	-20.194	0	%100
29	M85	X	8.906	8.906	0	%100
30	M85	Z	-15.426	-15.426	0	%100
31	M91	X	9.381	9.381	0	%100
32	M91	Z	-16.248	-16.248	0	%100
33	M52A	X	1.727	1.727	0	%100
34	M52A	Z	-2.991	-2.991	0	%100
35	M53	X	4.384	4.384	0	%100
36	M53	Z	-7.593	-7.593	0	%100
37	M54	X	4.384	4.384	0	%100
38	M54	Z	-7.593	-7.593	0	%100
39	M55	X	8.744	8.744	0	%100
40	M55	Z	-15.146	-15.146	0	%100
41	M58A	Х	4.856	4.856	0	%100
42	M58A	Z	-8.41	-8.41	0	%100
43	M59A	Х	0	0	0	%100
44	M59A	Z	0	0	0	%100
45	M63	X	2.915	2.915	0	%100
46	M63	Z	-5.049	-5.049	0	%100
47	M64	X	8.906	8.906	0	%100
48	M64	Z	-15.426	-15.426	0	%100
49	M66	X	9.381	9.381	0	%100
50	M66	Z	-16.248	-16.248	0	%100
51	M68	X	2.915	2.915	0	%100
52	M68	Z	-5.049	-5.049	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	Ů Ů	0	0	%100
55	M71	X	0	0	0	%100
56	M71	Ž	Ů,	0	0	%100
57	M76A	X	1.727	1.727	0	%100
58	M76A	Z	-2.991	-2.991	0	%100
59	M77A	X	4.384	4.384	0	%100
60	M77A	Z	-7.593	-7.593	0	%100
61	M78	X	4.384	4.384	0	%100 %100
62	M78	Z	-7.593	-7.593	0	%100
63	M79A	X	8.744	8.744	0	%100 %100
64	M79A	Z	-15.146	-15.146	0	%100 %100
65	M82	X	0	0	0	%100 %100
66	M82	Z	0	0	0	%100
67	M83A	X	4.856	4.856	0	%100 %100
68	M83A	Z	-8.41	-8.41	0	%100 %100
69	M87	X	2.915	2.915	0	%100 %100
70	M87	Z	-5.049	-5.049	0	%100 %100
71	M88A	X	0	0	0	%100 %100
72	M88A	Z	0	0	0	%100 %100
73	M90	X	0	0	0	%100 %100
74	M90	Z	0	0	0	%100 %100
75	M92A	X	2.915	2.915	0	%100 %100
76	M92A	Z	-5.049	-5.049	0	%100 %100
77	M93	X	8.906	8.906	0	%100 %100
78	M93	Z	-15.426	-15.426	0	%100 %100
79	M95	X	9.381	9.381	0	%100 %100
80	M95	Z	-16.248	-16.248	0	%100 %100
81	M82A	X	5.101	5.101	0	%100 %100
82		Z	-8.835		0	
	M82A M01B			-8.835 5.101		%100 %100
83	M91B	X	5.101	5.101	0	%100 %100
84	M91B	Z	-8.835	-8.835	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
85	MP3B	X	4.615	4.615	0	%100
86	MP3B	Z	-7.994	-7.994	0	%100
87	MP3A	X	4.615	4.615	0	%100
88	MP3A	Z	-7.994	-7.994	0	%100
89	MP2A	X	4.615	4.615	0	%100
90	MP2A	Z	-7.994	-7.994	0	%100
91	MP1A	X	4.615	4.615	0	%100
92	MP1A	Z	-7.994	-7.994	0	%100
93	MP6C	X	4.615	4.615	0	%100
94	MP6C	Z	-7.994	-7.994	0	%100
95	MP2C	X	4.615	4.615	0	%100
96	MP2C	Z	-7.994	-7.994	0	%100
97	MP5C	Х	4.615	4.615	0	%100
98	MP5C	Z	-7.994	-7.994	0	%100
99	M103	X	4.206	4.206	0	%100
100	M103	Z	-7.285	-7.285	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	0	0	0	%100
103	M111	X	4.19	4.19	0	%100
104	M111	Z	-7.257	-7.257	0	%100
105	M112	X	4.19	4.19	0	%100
106	M112	Z	-7.257	-7.257	0	%100
107	M126	X	5.292	5.292	0	%100
108	M126	Z	-9.166	-9.166	0	%100
109	M127	X	5.292	5.292	0	%100
110	M127	Z	-9.166	-9.166	0	%100
111	M128	X	0	0	0	%100
112	M128	Z	0	0	0	%100
113	MP1C	X	4.615	4.615	0	%100
114	MP1C	Z	-7.994	-7.994	0	%100
115	M125A	X	.208	.208	0	%100
116	M125A	Ž	36	36	0	%100
117	M126A	X	.208	.208	0	%100
118	M126A	Z	36	36	0	%100
119	M131	X	.208	.208	0	%100
120	M131	Z	36	36	0	%100
121	M132	X	.208	.208	0	%100
122	M132	Z	36	36	0	%100
123	MP3C	X	4.615	4.615	0	%100
124	MP3C	Z	-7.994	-7.994	0	%100
125	M138	X	.208	.208	0	%100
126	M138	Z	36	36	0	%100
127	M139	X	.208	.208	0	%100
128	M139	Z	36	36	0	%100
129	M144	X	.208	.208	0	%100 %100
130	M144	Z	36	36	0	%100 %100
131	M145	X	.208	.208	0	%100 %100
132	M145	Z	36	36	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	2.945	2.945	0	%100
2	M1	Ζ	-1.7	-1.7	0	%100
3	M4	Χ	8.974	8.974	0	%100
4	M4	Z	-5.181	-5.181	0	%100
5	M10	X	2.531	2.531	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,%]
6	M10	Z	-1.461	-1.461	0	%100
7	MP2B	X	7.994	7.994	0	%100
8	MP2B	Z	-4.615	-4.615	0	%100
9	MP4B	Х	7.994	7.994	0	%100
10	MP4B	Z	-4.615	-4.615	0	%100
11	MP1B	Х	7.994	7.994	0	%100
12	MP1B	Z	-4.615	-4.615	0	%100
13	M43	X	2.531	2.531	0	%100
14	M43	Z	-1.461	-1.461	0	%100
15	M46	X	5.049	5.049	0	%100
16	M46	Z	-2.915	-2.915	0	%100
17	M51B	Х	2.803	2.803	0	%100
18	M51B	Z	-1.619	-1.619	0	%100
19	M52B	Х	11.213	11.213	0	%100
20	M52B	Z	-6.474	-6.474	0	%100
21	M76	X	15.146	15.146	0	%100
22	M76	Z	-8.744	-8.744	0	%100
23	M77	X	5.142	5.142	0	%100
24	M77	Z	-2.969	-2.969	0	%100
25	M80	X	5.416	5.416	0	%100
26	M80	Z	-3.127	-3.127	0	%100
27	M84	X	15.146	15.146	0	%100
28	M84	Z	-8.744	-8.744	0	%100
29	M85	X	20.568	20.568	0	%100
30	M85	Z	-11.875	-11.875	0	%100
31	M91	X	21.664	21.664	0	%100
32	M91	Z	-12.508	-12.508	0	%100
33	M52A	X	8.974	8.974	0	%100
34	M52A	Z	-5.181	-5.181	0	%100
35	M53	X	2.531	2.531	0	%100
36	M53	Z	-1.461	-1.461	0	%100
37	M54	X	2.531	2.531	0	%100
38	M54	Z	-1.461	-1.461	0	%100
39	<u>M55</u>	X	5.049	5.049	0	%100
40	M55	Z	-2.915	-2.915	0	%100
41	M58A	X	11.213	11.213	0	%100
42	M58A	Z	-6.474	-6.474	0	%100
43	M59A	X	2.803	2.803	0	%100
44	M59A	Z	-1.619	-1.619	0	%100
45	M63	X	15.146	15.146	0	%100
46	M63	Z	-8.744	-8.744	0	%100 %100
47	M64	X	20.568	20.568	0	%100
48	M64	Z	-11.875	-11.875	0	%100
49	M66	X	21.664	21.664	0	%100 %100
50	M66	Z	-12.508	-12.508	0	%100 %400
51	M68	X	15.146	15.146	0	%100 %100
52	M68	Z	-8.744	-8.744	0	%100 %100
53	M69	X	5.142	5.142	0	%100 %100
54	M69	Z	-2.969 5.416	-2.969 5.416	0	%100 %100
55 56	M71	X Z	5.416	5.416	0	%100 %100
56	M71	X	-3.127	-3.127	0	%100 %100
57	M76A	Z	0	0	0	%100 %100
58	M76A		10.124	10.124	0	%100 %100
59 60	M77A	X Z	-5.845	-5.845	0	%100 %100
61	M77A M78	X	10.124	10.124		%100 %100
62		Z			0	
02	M78		-5.845	-5.845	U	%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,%]
63	M79A	X	20.194	20.194	0	%100
64	M79A	Z	-11.659	-11.659	0	%100
65	M82	X	2.803	2.803	0	%100
66	M82	Z	-1.619	-1.619	0	%100
67	M83A	X	2.803	2.803	0	%100
68	M83A	Z	-1.619	-1.619	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	0	0	0	%100
71	M88A	X	5.142	5.142	0	%100
72	M88A	Z	-2.969	-2.969	0	%100
73	M90	X	5.416	5.416	0	%100
74	M90	Z	-3.127	-3.127	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Ž	Ů,	0	0	%100
77	M93	X	5.142	5.142	0	%100
78	M93	Z	-2.969	-2.969	Ö	%100
79	M95	X	5.416	5.416	0	%100
80	M95	Z	-3.127	-3.127	0	%100
81	M82A	X	2.945	2.945	0	%100 %100
82	M82A	Z	-1.7	-1.7	0	%100 %100
83	M91B	X	11.78	11.78	0	%100 %100
84	M91B	Z	-6.801	-6.801	0	%100 %100
85	MP3B	X	7.994	7.994	0	%100 %100
86	MP3B	Z	-4.615	-4.615	0	%100 %100
87	MP3A	X	7.994	7.994	0	%100 %100
88	MP3A	Z	-4.615	-4.615	0	%100 %100
89	MP2A	X	7.994	7.994	0	%100 %100
90	MP2A	Z	-4.615	-4.615	0	%100 %100
91	MP1A	X	7.994	7.994	0	%100 %100
92	MP1A	Z	-4.615	-4.615	0	%100 %100
93	MP6C	X	7.994	7.994	0	%100 %100
94	MP6C MP6C	Z	-4.615	-4.615	0	%100 %100
95	MP2C	X	7.994	7.994	0	%100 %100
96	MP2C	Z	-4.615	-4.615	0	%100 %100
97	MP5C	X	7.994	7.994	0	%100 %100
98	MP5C MP5C	Z	-4.615	-4.615	0	%100 %100
					-	
99	M103 M103	Z	7.285 -4.206	7.285 -4.206	0	%100 %100
$\overline{}$					-	
101 102	M104 M104	X Z	2.419 -1.397	2.419 -1.397	0	%100 %100
103	M111		2.419	2.419		%100 %100
103	M111	Z	-1.397	-1.397	0	%100 %100
105	M112	X	9.676	9.676	0	%100 %100
106	M112 M112	Z	-5.587	-5.587	0	%100 %100
107	M126	X	12.221	12.221	0	%100 %100
107	M126	Z	-7.056	-7.056	0	%100 %100
108	M126 M127					
		X	3.055	3.055	0	%100 %100
110	M127	Z X	-1.764	-1.764	0	%100 %100
111 112	M128 M128	Z	3.055 -1.764	3.055 -1.764	0	%100 %100
113	MP1C		7.994	7.994	0	
		X				%100 %100
114	MP1C	Z	-4.615	-4.615	0	%100 %100
115	M125A	X Z	0	0	0	%100 %100
116	M125A		0	0		%100 %100
117	M126A	X Z	0	0	0	%100 %100
118	M126A		0	0	0	%100 %100
119	M131	X	0	0	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,%]
120	M131	Z	0	0	0	%100
121	M132	X	0	0	0	%100
122	M132	Z	0	0	0	%100
123	MP3C	X	7.994	7.994	0	%100
124	MP3C	Z	-4.615	-4.615	0	%100
125	M138	X	0	0	0	%100
126	M138	Z	0	0	0	%100
127	M139	X	0	0	0	%100
128	M139	Z	0	0	0	%100
129	M144	X	0	0	0	%100
130	M144	Z	0	0	0	%100
131	M145	X	0	0	0	%100
132	M145	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
1	M1	X	10.202	10.202	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	3.454	3.454	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	8.768	8.768	0	%100
6	M10	Z	0	0	0	%100
7	MP2B	Χ	9.23	9.23	0	%100
8	MP2B	Z	0	0	0	%100
9	MP4B	X	9.23	9.23	0	%100
10	MP4B	Z	0	0	0	%100
11	MP1B	X	9.23	9.23	0	%100
12	MP1B	Z	0	0	0	%100
13	M43	X	8.768	8.768	0	%100
14	M43	Z	0	0	0	%100
15	M46	Х	17.489	17.489	0	%100
16	M46	Z	0	0	0	%100
17	M51B	Х	0	0	0	%100
18	M51B	Z	0	0	0	%100
19	M52B	Χ	9.711	9.711	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	5.83	5.83	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	0	0	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	0	0	0	%100
27	M84	X	5.83	5.83	0	%100
28	M84	Z	0	0	0	%100
29	M85	X	17.812	17.812	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	18.761	18.761	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	13.816	13.816	0	%100
34	M52A	Z	0	0	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	0	0	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,%]
41	M58A	X	9.711	9.711	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	9.711	9.711	0	%100
44	M59A	Z	0	0	0	%100
45	M63	X	23.318	23.318	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	17.812	17.812	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	18.761	18.761	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	23.318	23.318	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	17.812	17.812	0	%100
54	M69	Z	0	0	0	%100
55	M71	X	18.761	18.761	0	%100
56	M71	Z	0	0	0	%100
57	M76A	X	3.454	3.454	0	%100
58	M76A	Z	0	0	0	%100
59	M77A	X	8.768	8.768	0	%100
60	M77A	Z	0	0	0	%100
61	M78	X	8.768	8.768	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	17.489	17.489	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	9.711	9.711	0	%100
66	M82	Z	0	0	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	0	0	0	%100
69	M87	X	5.83	5.83	0	%100
70	M87	Z	0	0	0	%100
71	M88A	X	17.812	17.812	0	%100
72	M88A	Z	0	0	0	%100
73	M90	X	18.761	18.761	0	%100
74	M90	Z	0	0	0	%100
75	M92A	X	5.83	5.83	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	0	0	0	%100
79	M95	X	0	0	0	%100
80	M95	Z	0	0	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	0	0	0	%100
83	M91B	X	10.202	10.202	0	%100
84	M91B	Z	0	0	0	%100
85	MP3B	X	9.23	9.23	0	%100
86	MP3B	Z	0	0	0	%100
87	MP3A	X	9.23	9.23	0	%100
88	MP3A	Z	0	0	0	%100
89	MP2A	X	9.23	9.23	0	%100
90	MP2A	Z	0	0	0	%100
91	MP1A	X	9.23	9.23	0	%100
92	MP1A	Z	0	0	0	%100
93	MP6C	X	9.23	9.23	0	%100
94	MP6C	Z	0	0	0	%100
95	MP2C	X	9.23	9.23	0	%100
96	MP2C	Z	0	0	0	%100
97	MP5C	X	9.23	9.23	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,%]
98	MP5C	Z	0	0	0	%100
99	M103	X	8.411	8.411	0	%100
100	M103	Z	0	0	0	%100
101	M104	X	8.38	8.38	0	%100
102	M104	Z	0	0	0	%100
103	M111	X	0	0	0	%100
104	M111	Z	0	0	0	%100
105	M112	X	8.38	8.38	0	%100
106	M112	Z	0	0	0	%100
107	M126	X	10.584	10.584	0	%100
108	M126	Z	0	0	0	%100
109	M127	X	0	0	0	%100
110	M127	Z	0	0	0	%100
111	M128	X	10.584	10.584	0	%100
112	M128	Z	0	0	0	%100
113	MP1C	X	9.23	9.23	0	%100
114	MP1C	Z	0	0	0	%100
115	M125A	X	.416	.416	0	%100
116	M125A	Z	0	0	0	%100
117	M126A	X	.416	.416	0	%100
118	M126A	Z	0	0	0	%100
119	M131	Х	.416	.416	0	%100
120	M131	Z	0	0	0	%100
121	M132	X	.416	.416	0	%100
122	M132	Z	0	0	0	%100
123	MP3C	X	9.23	9.23	0	%100
124	MP3C	Z	0	0	0	%100
125	M138	X	.416	.416	0	%100
126	M138	Z	0	0	0	%100
127	M139	X	.416	.416	0	%100
128	M139	Z	0	0	0	%100
129	M144	X	.416	.416	0	%100
130	M144	Z	0	0	0	%100
131	M145	X	.416	.416	0	%100
132	M145	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	11.78	11.78	0	%100
2	M1	Z	6.801	6.801	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	10.124	10.124	0	%100
6	M10	Z	5.845	5.845	0	%100
7	MP2B	X	7.994	7.994	0	%100
8	MP2B	Z	4.615	4.615	0	%100
9	MP4B	X	7.994	7.994	0	%100
10	MP4B	Z	4.615	4.615	0	%100
11	MP1B	X	7.994	7.994	0	%100
12	MP1B	Z	4.615	4.615	0	%100
13	M43	X	10.124	10.124	0	%100
14	M43	Z	5.845	5.845	0	%100
15	M46	X	20.194	20.194	0	%100
16	M46	Z	11.659	11.659	0	%100
17	M51B	X	2.803	2.803	0	%100
18	M51B	Z	1.619	1.619	0	%100

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

	Member Label	Direction	, 	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
19	M52B	X	2.803	2.803	0	%100
20	M52B	Z	1.619	1.619	0	%100
21	M76	X	0	0	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	5.142	5.142	0	%100
24	M77	Z	2.969	2.969	0	%100
25	M80	X	5.416	5.416	0	%100
26	M80	Z	3.127	3.127	0	%100
27	M84	X	0	0	0	%100
28	M84	Z	0	0	0	%100
29	M85	X	5.142	5.142	0	%100
30	M85	Z	2.969	2.969	0	%100
31	M91	X	5.416	5.416	0	%100
32	M91	Z	3.127	3.127	0	%100
33	M52A	X	8.974	8.974	0	%100
34	M52A	Z	5.181	5.181	0	%100
35	M53	X	2.531	2.531	0	%100
36	M53	Z	1.461	1.461	0	%100 %100
37	M54	X	2.531	2.531	0	%100 %100
38	M54	Z	1.461	1.461	0	%100 %100
39	M55	X	5.049	5.049	0	%100 %100
40	M55	Z	2.915	2.915	0	%100 %100
41	M58A	X	2.803	2.803	0	%100 %100
42	M58A	Ž	1.619	1.619	0	%100 %100
43	M59A	X	11.213	11.213	0	%100 %100
44	M59A	Z	6.474	6.474	0	%100 %100
45	M63	X	15.146	15.146	0	%100 %100
46	M63	Z	8.744	8.744	0	%100 %100
47	M64	X	5.142	5.142	0	%100 %100
48	M64	Z	2.969	2.969	0	%100 %100
49	M66	X	5.416	5.416	0	%100 %100
50	M66	Z	3.127	3.127	0	%100 %100
51	M68	X	15.146	15.146	0	%100 %100
52	M68	Z	8.744	8.744	0	%100 %100
53	M69	X	20.568	20.568	0	%100 %100
54	M69	Z	11.875	11.875	0	%100 %100
	M71			21.664		
55 56	M71	Z	21.664	12.508	0	%100 %100
57	M76A		12.508 8.974	8.974	-	
58		X Z			0	%100 %100
59	<u>M76A</u> M77A		5.181 2.531	5.181 2.531	0	%100 %100
60	M77A	Z	1.461	1.461	0	%100 %100
61	M78	X	2.531	2.531	0	%100 %100
62	M78	Z	1.461	1.461	0	%100 %100
63	M79A	X	5.049	5.049	0	%100 %100
64	M79A	Z	2.915	2.915	0	%100 %100
	M79A 					%100 %100
65 66		Z	11.213	11.213	0	
67	M82 M83A	X	6.474 2.803	6.474 2.803	0	%100 %100
68	M83A	Z	1.619	1.619	0	%100 %100
69			15.146	15.146	0	
	M87	X				%100 %100
70	M87	Z	8.744	8.744	0	%100 %100
71	M88A	X Z	20.568	20.568	0	%100 %100
72	M88A		11.875	11.875	0	%100 %100
73	M90	X Z	21.664	21.664	0	%100 %100
74	M90		12.508	12.508	0	%100 %100
75	M92A	X	15.146	15.146	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,%]
76	M92A	Z	8.744	8.744	0	%100
77	M93	X	5.142	5.142	0	%100
78	M93	Z	2.969	2.969	0	%100
79	M95	X	5.416	5.416	0	%100
80	M95	Z	3.127	3.127	0	%100
81	M82A	X	2.945	2.945	0	%100
82	M82A	Z	1.7	1.7	0	%100
83	M91B	X	2.945	2.945	0	%100
84	M91B	Z	1.7	1.7	0	%100
85	MP3B	X	7.994	7.994	0	%100
86	MP3B	Z	4.615	4.615	0	%100
87	MP3A	X	7.994	7.994	0	%100
88	MP3A	Z	4.615	4.615	0	%100
89	MP2A	Х	7.994	7.994	0	%100
90	MP2A	Z	4.615	4.615	0	%100
91	MP1A	X	7.994	7.994	0	%100
92	MP1A	Z	4.615	4.615	0	%100
93	MP6C	X	7.994	7.994	0	%100
94	MP6C	Z	4.615	4.615	0	%100
95	MP2C	X	7.994	7.994	0	%100
96	MP2C	Z	4.615	4.615	0	%100
97	MP5C	X	7.994	7.994	0	%100
98	MP5C	Z	4.615	4.615	0	%100
99	M103	X	7.285	7.285	0	%100
100	M103	Z	4.206	4.206	0	%100
101	M104	X	9.676	9.676	0	%100
102	M104	Z	5.587	5.587	0	%100
103	M111	X	2.419	2.419	0	%100
104	M111	Z	1.397	1.397	0	%100
105	M112	X	2.419	2.419	0	%100
106	M112	Z	1.397	1.397	0	%100
107	M126	X	3.055	3.055	0	%100
108	M126	Z	1.764	1.764	0	%100
109	M127	X	3.055	3.055	0	%100
110	M127	Z	1.764	1.764	0	%100
111	M128	X	12.221	12.221	0	%100
112	M128	Z	7.056	7.056	0	%100
113	MP1C	X	7.994	7.994	0	%100
114	MP1C	Z	4.615	4.615	0	%100
115	M125A	X	1.081	1.081	0	%100
116	M125A	Ž	.624	.624	0	%100
117	M126A	X	1.081	1.081	0	%100
118	M126A	Ž	.624	.624	0	%100
119	M131	X	1.081	1.081	0	%100
120	M131	Z	.624	.624	0	%100
121	M132	X	1.081	1.081	0	%100
122	M132	Z	.624	.624	0	%100
123	MP3C	X	7.994	7.994	0	%100
124	MP3C	Z	4.615	4.615	0	%100
125	M138	X	1.081	1.081	0	%100
126	M138	Z	.624	.624	0	%100
127	M139	X	1.081	1.081	0	%100 %100
128	M139	Z	.624	.624	0	%100 %100
129	M144	X	1.081	1.081	0	%100 %100
130	M144	Z	.624	.624	0	%100 %100
131	M145	X	1.081	1.081	0	%100 %100
132	M145	Z	.624	.624	0	%100 %100
102	IVITO	_	.027	.027	0	/0100

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

	Member Label	Direction	, 	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
1	M1	X	5.101	5.101	0	%100
2	M1	Z	8.835	8.835	0	%100
3	M4	X	1.727	1.727	0	%100
4	M4	Z	2.991	2.991	0	%100
5	M10	X	4.384	4.384	0	%100
6	M10	Z	7.593	7.593	0	%100
7	MP2B	X	4.615	4.615	0	%100
8	MP2B	Z	7.994	7.994	0	%100
9	MP4B	X	4.615	4.615	0	%100
10	MP4B	Z	7.994	7.994	0	%100
11	MP1B	X	4.615	4.615	0	%100
12	MP1B	Z	7.994	7.994	0	%100
13	M43	X	4.384	4.384	0	%100
14	M43	Z	7.593	7.593	0	%100
15	M46	X	8.744	8.744	0	%100
16	M46	Z	15.146	15.146	0	%100
17	M51B	X	4.856	4.856	0	%100
18	M51B	Z	8.41	8.41	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	2.915	2.915	0	%100
22	M76	Z	5.049	5.049	0	%100
23	M77	X	8.906	8.906	0	%100
24	M77	Z	15.426	15.426	0	%100
25	M80	X	9.381	9.381	0	%100
26	M80	Z	16.248	16.248	0	%100
27	M84	X	2.915	2.915	0	%100
28	M84	Z	5.049	5.049	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	1.727	1.727	0	%100
34	M52A	Z	2.991	2.991	0	%100
35	M53	X	4.384	4.384	0	%100
36	M53	Z	7.593	7.593	0	%100
37	M54	X	4.384	4.384	0	%100
38	M54	Z	7.593	7.593	0	%100
39	M55	X	8.744	8.744	0	%100
40	M55	Z	15.146	15.146	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	4.856	4.856	0	%100
44	M59A	Z	8.41	8.41	0	%100
45	M63	X	2.915	2.915	0	%100
46	M63	Z	5.049	5.049	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	2.915	2.915	0	%100
52	M68	Z	5.049	5.049	0	%100
53	M69	X	8.906	8.906	0	%100
54	M69	Z	15.426	15.426	0	%100
55	M71	X	9.381	9.381	0	%100
56	M71	Z	16.248	16.248	0	%100
57	M76A	X	6.908	6.908	0	%100

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

	Member Label	Direction		End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
58	M76A	Z	11.965	11.965	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	0	0	0	%100
61	M78	X	0	0	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	4.856	4.856	0	%100
66	M82	Z	8.41	8.41	0	%100
67	M83A	X	4.856	4.856	0	%100
68	M83A	Z	8.41	8.41	0	%100
69	M87	X	11.659	11.659	0	%100
70	M87	Z	20.194	20.194	0	%100
71	M88A	X	8.906	8.906	0	%100
72	M88A	Z	15.426	15.426	0	%100
73	M90	X	9.381	9.381	0	%100
74	M90	Z	16.248	16.248	0	%100
75	M92A	X	11.659	11.659	0	%100
76	M92A	Z	20.194	20.194	0	%100
77	M93	X	8.906	8.906	0	%100
78	M93	Z	15.426	15.426	0	%100
79	M95	Х	9.381	9.381	0	%100
80	M95	Z	16.248	16.248	0	%100
81	M82A	X	5.101	5.101	0	%100
82	M82A	Z	8.835	8.835	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	0	0	0	%100
85	MP3B	X	4.615	4.615	0	%100
86	MP3B	Z	7.994	7.994	0	%100
87	MP3A	X	4.615	4.615	0	%100
88	MP3A	Z	7.994	7.994	0	%100
89	MP2A	X	4.615	4.615	0	%100
90	MP2A	Z	7.994	7.994	0	%100
91	MP1A	X	4.615	4.615	0	%100
92	MP1A	Z	7.994	7.994	0	%100
93	MP6C	X	4.615	4.615	0	%100
94	MP6C	Z	7.994	7.994	0	%100
95	MP2C	X	4.615	4.615	0	%100
96	MP2C	Z	7.994	7.994	0	%100
97	MP5C	X	4.615	4.615	0	%100
98	MP5C	Ž	7.994	7.994	0	%100
99	M103	X	4.206	4.206	0	%100
100	M103	Z	7.285	7.285	0	%100
101	M104	X	4.19	4.19	0	%100
102	M104	Z	7.257	7.257	0	%100
103	M111	X	4.19	4.19	0	%100
104	M111	Ž	7.257	7.257	0	%100
105	M112	X	0	0	0	%100
106	M112	Z	Ů Ů	0	0	%100
107	M126	X	0	0	0	%100
108	M126	Z	0	0	0	%100
109	M127	X	5.292	5.292	0	%100
110	M127	Z	9.166	9.166	0	%100
111	M128	X	5.292	5.292	0	%100 %100
112	M128	Z	9.166	9.166	0	%100 %100
113	MP1C	X	4.615	4.615	0	%100 %100
114	MP1C	Z	7.994	7.994	0	%100 %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,%]
115	M125A	X	.832	.832	0	%100
116	M125A	Z	1.441	1.441	0	%100
117	M126A	X	.832	.832	0	%100
118	M126A	Z	1.441	1.441	0	%100
119	M131	X	.832	.832	0	%100
120	M131	Z	1.441	1.441	0	%100
121	M132	X	.832	.832	0	%100
122	M132	Z	1.441	1.441	0	%100
123	MP3C	X	4.615	4.615	0	%100
124	MP3C	Z	7.994	7.994	0	%100
125	M138	X	.832	.832	0	%100
126	M138	Z	1.441	1.441	0	%100
127	M139	X	.832	.832	0	%100
128	M139	Z	1.441	1.441	0	%100
129	M144	X	.832	.832	0	%100
130	M144	Z	1.441	1.441	0	%100
131	M145	X	.832	.832	0	%100
132	M145	Z	1.441	1.441	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	3.401	3.401	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	10.362	10.362	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	2.923	2.923	0	%100
7	MP2B	X	0	0	0	%100
8	MP2B	Z	9.23	9.23	0	%100
9	MP4B	X	0	0	0	%100
10	MP4B	Z	9.23	9.23	0	%100
11	MP1B	X	0	0	0	%100
12	MP1B	Z	9.23	9.23	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	2.923	2.923	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	5.83	5.83	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	12.948	12.948	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	3.237	3.237	0	%100
21	M76	X	0	0	0	%100
22	M76	Z	17.489	17.489	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	23.75	23.75	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	25.015	25.015	0	%100
27	M84	X	0	0	0	%100
28	M84	Z	17.489	17.489	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	5.937	5.937	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	6.254	6.254	0	%100
33	M52A	Χ	0	0	0	%100
34	M52A	Z	0	0	0	%100
35	M53	X	0	0	0	%100

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

	Member Label	Direction		End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
36	M53	Z	11.691	11.691	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	11.691	11.691	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	23.318	23.318	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	3.237	3.237	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	3.237	3.237	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	5.937	5.937	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	6.254	6.254	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	5.937	5.937	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	6.254	6.254	0	%100
57	M76A	X	0	0	0	%100
58	M76A	Z	10.362	10.362	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	2.923	2.923	0	%100
61	M78	X	0	0	0	%100
62	M78	Z	2.923	2.923	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	5.83	5.83	0	%100
65	M82	X	0	0	0	%100
66	M82	Z	3.237	3.237	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	12.948	12.948	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	17.489	17.489	0	%100
71	M88A	X	0	0	0	%100
72	M88A	Z	5.937	5.937	0	%100
73	M90	X	0	0	0	%100
74	M90	Z	6.254	6.254	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Ž	17.489	17.489	0	%100
77	M93	X	0	0	0	%100
78	M93	Ž	23.75	23.75	0	%100
79	M95	X	0	0	0	%100
80	M95	Z	25.015	25.015	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	13.602	13.602	0	%100
83	M91B	X	0	0	0	%100 %100
84	M91B	Z	3.401	3.401	0	%100
85	MP3B	X	0	0	0	%100
86	MP3B	Z	9.23	9.23	0	%100
87	MP3A	X	0	0	0	%100 %100
88	MP3A	Z	9.23	9.23	0	%100 %100
89	MP2A	X	0	0	0	%100 %100
90	MP2A	Z	9.23	9.23	0	%100 %100
91	MP1A	X	0	0	0	%100 %100
92	MP1A	Z	9.23	9.23	0	%100 %100
UZ.	IVII 17-1	_	0.20	0.20	· · · · · · · · · · · · · · · · · · ·	70100



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,%]
93	MP6C	X	0	0	0	%100
94	MP6C	Z	9.23	9.23	0	%100
95	MP2C	X	0	0	0	%100
96	MP2C	Z	9.23	9.23	0	%100
97	MP5C	X	0	0	0	%100
98	MP5C	Z	9.23	9.23	0	%100
99	M103	X	0	0	0	%100
100	M103	Z	8.411	8.411	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	2.793	2.793	0	%100
103	M111	X	0	0	0	%100
104	M111	Z	11.173	11.173	0	%100
105	M112	X	0	0	0	%100
106	M112	Z	2.793	2.793	0	%100
107	M126	Х	0	0	0	%100
108	M126	Z	3.528	3.528	0	%100
109	M127	Х	0	0	0	%100
110	M127	Z	14.112	14.112	0	%100
111	M128	X	0	0	0	%100
112	M128	Z	3.528	3.528	0	%100
113	MP1C	X	0	0	0	%100
114	MP1C	Z	9.23	9.23	0	%100
115	M125A	X	0	0	0	%100
116	M125A	Z	1.248	1.248	0	%100
117	M126A	X	0	0	0	%100
118	M126A	Z	1.248	1.248	0	%100
119	M131	X	0	0	0	%100
120	M131	Z	1.248	1.248	0	%100
121	M132	X	0	0	0	%100
122	M132	Z	1.248	1.248	0	%100
123	MP3C	X	0	0	0	%100
124	MP3C	Z	9.23	9.23	0	%100
125	M138	Χ	0	0	0	%100
126	M138	Z	1.248	1.248	0	%100
127	M139	X	0	0	0	%100
128	M139	Z	1.248	1.248	0	%100
129	M144	X	0	0	0	%100
130	M144	Z	1.248	1.248	0	%100
131	M145	X	0	0	0	%100
132	M145	Z	1.248	1.248	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	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-6.908	-6.908	0	%100
4	M4	Z	11.965	11.965	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP2B	X	-4.615	-4.615	0	%100
8	MP2B	Z	7.994	7.994	0	%100
9	MP4B	X	-4.615	-4.615	0	%100
10	MP4B	Z	7.994	7.994	0	%100
11	MP1B	X	-4.615	-4.615	0	%100
12	MP1B	Z	7.994	7.994	0	%100
13	M43	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,			End Location[ft,%]
14	M43	Z	0	0	0	%100
15	M46	X	Ö	0	0	%100
16	M46	Ž	Ů.	0	0	%100
17	M51B	X	-4.856	-4.856	0	%100
18	M51B	Ž	8.41	8.41	0	%100
19	M52B	X	-4.856	-4.856	0	%100
20	M52B	Z	8.41	8.41	0	%100
21	M76	X	-11.659	-11.659	0	%100
22	M76	Z	20.194	20.194	0	%100
23	M77	X	-8.906	-8.906	0	%100
24	M77	Z	15.426	15.426	0	%100
25	M80	X	-9.381	-9.381	0	%100
26	M80	Z	16.248	16.248	0	%100
27	M84	X	-11.659	-11.659	0	%100
28	M84	Z	20.194	20.194	0	%100
29	M85	X	-8.906	-8.906	0	%100
30	M85	Z	15.426	15.426	0	%100
31	M91	X	-9.381	-9.381	0	%100
32	M91	Z	16.248	16.248	0	%100
33	M52A	X	-1.727	-1.727	0	%100
34	M52A	Z	2.991	2.991	0	%100
35	M53	X	-4.384	-4.384	0	%100
36	M53	Z	7.593	7.593	0	%100
37	M54	X	-4.384	-4.384	0	%100
38	M54	Z	7.593	7.593	0	%100
39	M55	X	-8.744	-8.744	0	%100
40	M55	Z	15.146	15.146	0	%100
41	M58A	X	-4.856	-4.856	0	%100
42	M58A	Z	8.41	8.41	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	0	0	0	%100
45	M63	X	-2.915	-2.915	0	%100
46	M63	Z	5.049	5.049	0	%100
47	M64	X	-8.906	-8.906	0	%100
48	M64	Z	15.426	15.426	0	%100
49	M66	X	-9.381	-9.381	0	%100
50	M66	Z	16.248	16.248	0	%100
51	M68	X	-2.915	-2.915	0	%100
52	M68	Z	5.049	5.049	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	0	0	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	0	0	0	%100
57	M76A	X	-1.727	-1.727	0	%100
58	M76A	Z	2.991	2.991	0	%100
59	M77A	X	-4.384	-4.384	0	%100
60	M77A	Z	7.593	7.593	0	%100
61	M78	X	-4.384	-4.384	0	%100
62	M78	Z	7.593	7.593	0	%100
63	M79A	X	-8.744	-8.744	0	%100
64	M79A	Z	15.146	15.146	0	%100
65	M82	X	0	0	0	%100
66	M82	Z	0	0	0	%100
67	M83A	X	-4.856	-4.856	0	%100
68	M83A	Z	8.41	8.41	0	%100
69	M87	X	-2.915	-2.915	0	%100
70	M87	Z	5.049	5.049	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,%]
71	M88A	X	0	0	0	%100
72	M88A	Z	0	0	0	%100
73	M90	X	0	0	0	%100
74	M90	Z	0	0	0	%100
75	M92A	X	-2.915	-2.915	0	%100
76	M92A	Z	5.049	5.049	0	%100
77	M93	X	-8.906	-8.906	0	%100
78	M93	Z	15.426	15.426	0	%100
79	M95	X	-9.381	-9.381	0	%100
80	M95	Z	16.248	16.248	0	%100
81	M82A	Х	-5.101	-5.101	0	%100
82	M82A	Z	8.835	8.835	0	%100
83	M91B	X	-5.101	-5.101	0	%100
84	M91B	Z	8.835	8.835	0	%100
85	MP3B	X	-4.615	-4.615	0	%100
86	MP3B	Z	7.994	7.994	0	%100
87	MP3A	X	-4.615	-4.615	0	%100
88	MP3A	Z	7.994	7.994	0	%100
89	MP2A	X	-4.615	-4.615	0	%100
90	MP2A	Z	7.994	7.994	0	%100
91	MP1A	X	-4.615	-4.615	0	%100
92	MP1A	Z	7.994	7.994	0	%100
93	MP6C	X	-4.615	-4.615	0	%100
94	MP6C	Z	7.994	7.994	0	%100
95	MP2C	X	-4.615	-4.615	0	%100
96	MP2C	Z	7.994	7.994	0	%100
97	MP5C	X	-4.615	-4.615	0	%100
98	MP5C	Ž	7.994	7.994	0	%100
99	M103	X	-4.206	-4.206	0	%100
100	M103	Z	7.285	7.285	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	0	0	0	%100
103	M111	X	-4.19	-4.19	0	%100
104	M111	Z	7.257	7.257	0	%100
105	M112	X	-4.19	-4.19	0	%100 %100
106	M112	Z	7.257	7.257	0	%100
107	M126	X	-5.292	-5.292	0	%100 %100
108	M126	Z	9.166	9.166	0	%100
109	M127	X	-5.292	-5.292	0	%100 %100
110	M127	Z	9.166	9.166	0	%100 %100
111	M128	X	0	0	0	%100
112	M128	Z	0	0	0	%100
113	MP1C	X	-4.615	-4.615	0	%100 %100
114	MP1C	Z	7.994	7.994	0	%100
115	M125A	X	208	208	0	%100 %100
116	M125A	Z	.36	.36	0	%100 %100
117	M126A	X	208	208	0	%100 %100
118	M126A	Z	.36	.36	0	%100 %100
119	M131	X	208	208	0	%100 %100
120	M131	Z	.36	.36	0	%100 %100
121	M132	X	208	208	0	%100 %100
122	M132	Z	.36	.36	0	%100 %100
123	MP3C	X	-4.615	-4.615	0	%100 %100
124	MP3C	Z	7.994	7.994	0	%100 %100
125	M138	X	208	208	0	%100 %100
126	M138	Z	.36	.36	0	%100 %100
127	M139		208	208		%100 %100
121	IVI 139	X	j2U8	<u>∠∪</u> 8	0	j % IUU

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,%]
128	M139	Z	.36	.36	0	%100
129	M144	X	208	208	0	%100
130	M144	Z	.36	.36	0	%100
131	M145	X	208	208	0	%100
132	M145	Z	.36	.36	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.945	-2.945	0	%100
2	M1	Z	1.7	1.7	0	%100
3	M4	X	-8.974	-8.974	0	%100
4	M4	Z	5.181	5.181	0	%100
5	M10	X	-2.531	-2.531	0	%100
6	M10	Z	1.461	1.461	0	%100
7	MP2B	X	-7.994	-7.994	0	%100
8	MP2B	Z	4.615	4.615	0	%100
9	MP4B	X	-7.994	-7.994	0	%100
10	MP4B	Z	4.615	4.615	0	%100
11	MP1B	X	-7.994	-7.994	0	%100
12	MP1B	Z	4.615	4.615	0	%100
13	M43	X	-2.531	-2.531	0	%100
14	M43	Z	1.461	1.461	0	%100
15	M46	Χ	-5.049	-5.049	0	%100
16	M46	Z	2.915	2.915	0	%100
17	M51B	X	-2.803	-2.803	0	%100
18	M51B	Z	1.619	1.619	0	%100
19	M52B	Х	-11.213	-11.213	0	%100
20	M52B	Z	6.474	6.474	0	%100
21	M76	X	-15.146	-15.146	0	%100
22	M76	Z	8.744	8.744	0	%100
23	M77	Х	-5.142	-5.142	0	%100
24	M77	Z	2.969	2.969	0	%100
25	M80	X	-5.416	-5.416	0	%100
26	M80	Z	3.127	3.127	0	%100
27	M84	Х	-15.146	-15.146	0	%100
28	M84	Z	8.744	8.744	0	%100
29	M85	X	-20.568	-20.568	0	%100
30	M85	Z	11.875	11.875	0	%100
31	M91	X	-21.664	-21.664	0	%100
32	M91	Z	12.508	12.508	0	%100
33	M52A	X	-8.974	-8.974	0	%100
34	M52A	Z	5.181	5.181	0	%100
35	M53	X	-2.531	-2.531	0	%100
36	M53	Z	1.461	1.461	0	%100
37	M54	X	-2.531	-2.531	0	%100
38	M54	Z	1.461	1.461	0	%100
39	M55	X	-5.049	-5.049	0	%100
40	M55	Z	2.915	2.915	0	%100
41	M58A	X	-11.213	-11.213	0	%100
42	M58A	Z	6.474	6.474	0	%100
43	M59A	X	-2.803	-2.803	0	%100
44	M59A	Z	1.619	1.619	0	%100
45	M63	X	-15.146	-15.146	0	%100
46	M63	Z	8.744	8.744	Ö	%100
47	M64	X	-20.568	-20.568	0	%100
48	M64	Z	11.875	11.875	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
49	M66	X	-21.664	-21.664	0	%100
50	M66	Z	12.508	12.508	0	%100
51	M68	X	-15.146	-15.146	0	%100
52	M68	Z	8.744	8.744	0	%100
53	M69	X	-5.142	-5.142	0	%100
54	M69	Z	2.969	2.969	0	%100
55	M71	X	-5.416	-5.416	0	%100
56	M71	Z	3.127	3.127	0	%100
57	M76A	X	0	0	0	%100
58	M76A	Z	0	0	0	%100
59	M77A	X	-10.124	-10.124	0	%100
60	M77A	Z	5.845	5.845	0	%100
61	M78	X	-10.124	-10.124	0	%100
62	M78	Ž	5.845	5.845	0	%100
63	M79A	X	-20.194	-20.194	0	%100
64	M79A	Ž	11.659	11.659	Ö	%100
65	M82	X	-2.803	-2.803	0	%100 %100
66	M82	Z	1.619	1.619	0	%100 %100
67	M83A	X	-2.803	-2.803	0	%100 %100
68	M83A	Z	1.619	1.619	0	%100 %100
69	M87	X	0	0	0	%100 %100
70	M87	Z	0	0	0	%100 %100
71	M88A	X	-5.142	-5.142	0	%100 %100
72	M88A	Ž	2.969	2.969	0	%100 %100
73	M90	X	-5.416	-5.416	0	%100 %100
74	M90	Z	3.127	3.127	0	%100 %100
75	M92A	X	0	0	0	%100 %100
76	M92A	Z	0	0	0	%100 %100
77	M93	X	-5.142	-5.142	0	%100 %100
78	M93	Z	2.969	2.969	0	%100 %100
79	M95	X	-5.416	-5.416	0	%100 %100
80	M95	Z	3.127	3.127	0	%100 %100
81	M82A	X	-2.945	-2.945	0	%100 %100
82	M82A	Z	1.7	1.7	0	%100 %100
83	M91B	X	-11.78	-11.78	0	%100 %100
84	M91B M91B	Z	6.801	6.801	0	%100 %100
85	MP3B		-7.994	-7.994	-	%100 %100
86	MP3B	Z	4.615	4.615	0	%100 %100
87	MP3A	X	-7.994	-7.994	-	
88	MP3A	Z	4.615	4.615	0	%100 %100
89	MP2A		-7.994	-7.994	0	%100 %100
90	MP2A	Z	4.615	4.615	0	%100 %100
91	MP1A	X	-7.994	-7.994	0	%100 %100
92	MP1A	Z	4.615	4.615	0	%100 %100
93	MP6C	X	-7.994	-7.994	0	%100 %100
94	MP6C MP6C	Z	4.615	4.615	0	%100 %100
95	MP2C	X	-7.994	-7.994	0	%100 %100
96	MP2C MP2C	Z	4.615	4.615	0	%100 %100
97	MP5C	X	-7.994	-7.994	0	%100 %100
98	MP5C MP5C	Z	4.615	4.615	0	%100 %100
99	M103	X	-7.285	-7.285	0	%100 %100
100	M103	Z	4.206	4.206	0	%100 %100
101	M104	X	-2.419	-2.419	0	%100 %100
102	M104	Z	1.397	1.397	0	%100 %100
102	M111	X	-2.419	-2.419	0	%100 %100
103	M111	Z	1.397	1.397	0	%100 %100
105	M112		-9.676	-9.676	0	%100 %100
[100	IVITIZ	X	<u>-9.070</u>	J -9.070	<u> </u>	70 100



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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
106	M112	Z	5.587	5.587	0	%100
107	M126	X	-12.221	-12.221	0	%100
108	M126	Z	7.056	7.056	0	%100
109	M127	X	-3.055	-3.055	0	%100
110	M127	Z	1.764	1.764	0	%100
111	M128	X	-3.055	-3.055	0	%100
112	M128	Z	1.764	1.764	0	%100
113	MP1C	X	-7.994	-7.994	0	%100
114	MP1C	Z	4.615	4.615	0	%100
115	M125A	X	0	0	0	%100
116	M125A	Z	0	0	0	%100
117	M126A	X	0	0	0	%100
118	M126A	Z	0	0	0	%100
119	M131	X	0	0	0	%100
120	M131	Z	0	0	0	%100
121	M132	X	0	0	0	%100
122	M132	Z	0	0	0	%100
123	MP3C	X	-7.994	-7.994	0	%100
124	MP3C	Z	4.615	4.615	0	%100
125	M138	X	0	0	0	%100
126	M138	Z	0	0	0	%100
127	M139	X	0	0	0	%100
128	M139	Z	0	0	0	%100
129	M144	X	0	0	0	%100
130	M144	Z	0	0	0	%100
131	M145	X	0	0	0	%100
132	M145	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
1	M1	X	-10.202	-10.202	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-3.454	-3.454	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	-8.768	-8.768	0	%100
6	M10	Z	0	0	0	%100
7	MP2B	X	-9.23	-9.23	0	%100
8	MP2B	Z	0	0	0	%100
9	MP4B	X	-9.23	-9.23	0	%100
10	MP4B	Z	0	0	0	%100
11	MP1B	X	-9.23	-9.23	0	%100
12	MP1B	Z	0	0	0	%100
13	M43	X	-8.768	-8.768	0	%100
14	M43	Z	0	0	0	%100
15	M46	X	-17.489	-17.489	0	%100
16	M46	Z	0	0	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	0	0	0	%100
19	M52B	X	-9.711	-9.711	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	-5.83	-5.83	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	0	0	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	0	0	0	%100

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

	Member Label	Direction	 	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
27	M84	X	-5.83	-5.83	0	%100
28	M84	Z	0	0	0	%100
29	M85	X	-17.812	-17.812	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	-18.761	-18.761	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	-13.816	-13.816	0	%100
34	M52A	Z	0	0	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	-9.711	-9.711	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	-9.711	-9.711	0	%100
44	M59A	Z	0	0	0	%100
45	M63	X	-23.318	-23.318	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	-17.812	-17.812	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	-18.761	-18.761	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	-23.318	-23.318	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	-17.812	-17.812	0	%100
54	M69	Ž	0	0	0	%100
55	M71	X	-18.761	-18.761	0	%100
56	M71	Z	0	0	0	%100
57	M76A	X	-3.454	-3.454	0	%100
58	M76A	Z	0	0.101	0	%100
59	M77A	X	-8.768	-8.768	0	%100
60	M77A	Z	0	0.700	0	%100
61	M78	X	-8.768	-8.768	0	%100
62	M78	Z	0	0.700	0	%100
63	M79A	X	-17.489	-17.489	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	-9.711	-9.711	0	%100 %100
66	M82	Z	0	0	0	%100 %100
67	M83A	X	0	0	0	%100 %100
68	M83A	Z	0	0	0	%100
69	M87	X	-5.83	-5.83	0	%100 %100
70	M87	Z	0.00	0.00	0	%100
71	M88A	X	-17.812	-17.812	0	%100 %100
72	M88A	Z	0	0	0	%100 %100
73	M90	X	-18.761	-18.761	0	%100 %100
74	M90	Z	0	0	0	%100 %100
75	M92A	X	-5.83	-5.83	0	%100 %100
76	M92A	Z	0	-5.05	0	%100 %100
77	M93	X	0	0	0	%100 %100
78	M93	Z	0	0	0	%100 %100
79	M95	X	0	0	0	%100 %100
80	M95	Z	0	0	0	%100 %100
81	M82A	X	0	0	0	%100 %100
82	M82A	Z	0	0	0	%100 %100
83	M91B	X	-10.202	-10.202	0	%100 %100
ಂ	IVIÐ I D		1 -10.202	-10.202	ı U	1 % IUU



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,%]
84	M91B	Z	0	0	0	%100
85	MP3B	X	-9.23	-9.23	0	%100
86	MP3B	Z	0	0	0	%100
87	MP3A	X	-9.23	-9.23	0	%100
88	MP3A	Z	0	0	0	%100
89	MP2A	X	-9.23	-9.23	0	%100
90	MP2A	Z	0	0	0	%100
91	MP1A	X	-9.23	-9.23	0	%100
92	MP1A	Z	0	0	0	%100
93	MP6C	X	-9.23	-9.23	0	%100
94	MP6C	Z	0	0	0	%100
95	MP2C	X	-9.23	-9.23	0	%100
96	MP2C	Z	0	0	0	%100
97	MP5C	X	-9.23	-9.23	0	%100
98	MP5C	Z	0	0	0	%100
99	M103	X	-8.411	-8.411	0	%100
100	M103	Z	0	0	0	%100
101	M104	X	-8.38	-8.38	0	%100
102	M104	Z	0	0	0	%100
103	M111	X	0	0	0	%100
104	M111	Z	0	0	0	%100
105	M112	X	-8.38	-8.38	0	%100
106	M112	Z	0	0	0	%100
107	M126	X	-10.584	-10.584	0	%100
108	M126	Z	0	0	0	%100
109	M127	X	Ö	0	0	%100
110	M127	Ž	0	0	0	%100
111	M128	X	-10.584	-10.584	0	%100
112	M128	Ž	0	0	0	%100
113	MP1C	X	-9.23	-9.23	0	%100
114	MP1C	Z	0	0	0	%100
115	M125A	X	416	416	0	%100 %100
116	M125A	Ž	0	0	0	%100
117	M126A	X	416	416	0	%100 %100
118	M126A	Z	0	0	0	%100 %100
119	M131	X	416	416	0	%100 %100
120	M131	Z	0	0	0	%100 %100
121	M132	X	416	416	0	%100 %100
122	M132	Z	0	0	0	%100 %100
123	MP3C	X	-9.23	-9.23	0	%100 %100
124	MP3C	Z	0	0	0	%100 %100
125	M138	X	416	416	0	%100 %100
126	M138	Z	-:410	0	0	%100 %100
127	M139	X	416	416	0	%100 %100
128	M139	Z	410	410	0	%100 %100
129	M144	X	416	416	0	%100 %100
130	M144	Z	410	0	0	%100 %100
131	M145	X	416	416	0	%100 %100
132	M145	Z	410	0	0	%100 %100
102	IVITO	_	U		U	70 100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
1	M1	X	-11.78	-11.78	0	%100
2	M1	Z	-6.801	-6.801	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,			End Location[ft,%]
5	M10	X	-10.124	-10.124	0	%100
6	M10	Z	-5.845	-5.845	0	%100 %100
7	MP2B	X	-7.994	-7.994	0	%100 %100
8	MP2B	Z	-4.615	-4.615	0	%100
9	MP4B	X	-7.994	-7.994	0	%100 %100
10	MP4B	Z	-4.615	-4.615	0	%100
11	MP1B	X	-7.994	-7.994	0	%100 %100
12	MP1B	Z	-4.615	-4.615	0	%100
13	M43	X	-10.124	-10.124	0	%100
14	M43	Z	-5.845	-5.845	0	%100
15	M46	X	-20.194	-20.194	0	%100 %100
16	M46	Z	-11.659	-11.659	0	%100
17	M51B	X	-2.803	-2.803	0	%100 %100
18	M51B	Z	-1.619	-1.619	0	%100
19	M52B	X	-2.803	-2.803	0	%100 %100
20	M52B	Z	-1.619	-1.619	0	%100
21	M76	X	0	0	0	%100 %100
22	M76	Ž	Ů	0	0	%100
23	M77	X	-5.142	-5.142	0	%100
24	M77	Ž	-2.969	-2.969	0	%100
25	M80	X	-5.416	-5.416	0	%100
26	M80	Ž	-3.127	-3.127	0	%100
27	M84	X	0	0	0	%100
28	M84	Ž	Ö	0	0	%100
29	M85	X	-5.142	-5.142	0	%100
30	M85	Z	-2.969	-2.969	0	%100
31	M91	X	-5.416	-5.416	0	%100
32	M91	Z	-3.127	-3.127	0	%100
33	M52A	X	-8.974	-8.974	0	%100
34	M52A	Ž	-5.181	-5.181	0	%100
35	M53	X	-2.531	-2.531	0	%100
36	M53	Z	-1.461	-1.461	0	%100
37	M54	X	-2.531	-2.531	0	%100
38	M54	Z	-1.461	-1.461	0	%100
39	M55	X	-5.049	-5.049	0	%100
40	M55	Ž	-2.915	-2.915	0	%100
41	M58A	X	-2.803	-2.803	0	%100
42	M58A	Z	-1.619	-1.619	0	%100
43	M59A	X	-11.213	-11.213	0	%100
44	M59A	Z	-6.474	-6.474	0	%100
45	M63	X	-15.146	-15.146	0	%100
46	M63	Z	-8.744	-8.744	0	%100
47	M64	Χ	-5.142	-5.142	0	%100
48	M64	Z	-2.969	-2.969	0	%100
49	M66	Χ	-5.416	-5.416	0	%100
50	M66	Z	-3.127	-3.127	0	%100
51	M68	X	-15.146	-15.146	0	%100
52	M68	Z	-8.744	-8.744	0	%100
53	M69	X	-20.568	-20.568	0	%100
54	M69	Z	-11.875	-11.875	0	%100
55	M71	X	-21.664	-21.664	0	%100
56	M71	Z	-12.508	-12.508	0	%100
57	M76A	Χ	-8.974	-8.974	0	%100
58	M76A	Z	-5.181	-5.181	0	%100
59	M77A	X	-2.531	-2.531	0	%100
60	M77A	Z	-1.461	-1.461	0	%100
61	M78	X	-2.531	-2.531	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,		Start Location[ft %]	End Location[ft,%]
62	M78	Z	-1.461	-1.461	0	%100
63	M79A	X	-5.049	-5.049	0	%100 %100
64	M79A	Z	-2.915	-2.915	0	%100
65	M82	X	-11.213	-11.213	0	%100
66	M82	Z	-6.474	-6.474	0	%100
67	M83A	X	-2.803	-2.803	0	%100 %100
68	M83A	Z	-1.619	-1.619	0	%100
69	M87	X	-15.146	-15.146	0	%100
70	M87	Ž	-8.744	-8.744	0	%100
71	M88A	X	-20.568	-20.568	0	%100
72	M88A	Z	-11.875	-11.875	0	%100
73	M90	X	-21.664	-21.664	0	%100
74	M90	Z	-12.508	-12.508	0	%100
75	M92A	X	-15.146	-15.146	0	%100
76	M92A	Z	-8.744	-8.744	0	%100
77	M93	X	-5.142	-5.142	0	%100
78	M93	Z	-2.969	-2.969	0	%100
79	M95	X	-5.416	-5.416	0	%100
80	M95	Z	-3.127	-3.127	0	%100
81	M82A	X	-2.945	-2.945	0	%100
82	M82A	Z	-1.7	-1.7	0	%100
83	M91B	X	-2.945	-2.945	0	%100
84	M91B	Z	-1.7	-1.7	0	%100
85	MP3B	X	-7.994	-7.994	0	%100
86	MP3B	Z	-4.615	-4.615	0	%100
87	MP3A	X	-7.994	-7.994	0	%100
88	MP3A	Z	-4.615	-4.615	0	%100
89	MP2A	X	-7.994	-7.994	0	%100
90	MP2A	Z	-4.615	-4.615	0	%100
91	MP1A	X	-7.994	-7.994	0	%100
92	MP1A	Z	-4.615	-4.615	0	%100
93	MP6C	X	-7.994	-7.994	0	%100
94	MP6C	Z	-4.615	-4.615	0	%100
95	MP2C	X	-7.994	-7.994	0	%100
96	MP2C	Z	-4.615	-4.615	0	%100
97	MP5C	X	-7.994	-7.994	0	%100
98	MP5C	Z	-4.615	-4.615	0	%100
99	M103	X	-7.285	-7.285	0	%100
100	M103	Z	-4.206	-4.206	0	%100
101	M104	X	<u>-9.676</u>	<u>-9.676</u>	0	%100 %400
102	M104	Z	-5.587	-5.587	0	%100 %100
103	M111	X	-2.419	-2.419	0	%100 %100
104	M111	Z	-1.397	-1.397	0	%100 %100
105	M112	X	-2.419	-2.419	0	%100 %100
106	M112	Z	-1.397	-1.397	0	%100 %100
107	M126	X Z	-3.055 1.764	-3.055 1.764	0	%100 %100
108	M126		-1.764	-1.764	0	%100 %100
109	M127	X	-3.055 1.764	-3.055	0	%100 %100
110 111	M127 M128	Z X	-1.764 -12.221	-1.764	0	%100 %100
112	M128	Z	-7.056	-12.221 -7.056	0	%100 %100
113	MP1C	X	-7.056 -7.994	-7.056 -7.994	0	%100 %100
114	MP1C	Z	-7.994 -4.615	-7.994 -4.615	0	%100 %100
115	M125A	X	-4.015	-1.081	0	%100 %100
116	M125A	Z	624	624	0	%100 %100
117	M126A	X	-1.081	-1.081	0	%100 %100
118	M126A	Z	624	624	0	%100 %100
110	IVITZUA	_	024	024	U	/0100

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,%]
119	M131	X	-1.081	-1.081	0	%100
120	M131	Z	624	624	0	%100
121	M132	X	-1.081	-1.081	0	%100
122	M132	Z	624	624	0	%100
123	MP3C	X	-7.994	-7.994	0	%100
124	MP3C	Z	-4.615	-4.615	0	%100
125	M138	X	-1.081	-1.081	0	%100
126	M138	Z	624	624	0	%100
127	M139	X	-1.081	-1.081	0	%100
128	M139	Z	624	624	0	%100
129	M144	X	-1.081	-1.081	0	%100
130	M144	Z	624	624	0	%100
131	M145	X	-1.081	-1.081	0	%100
132	M145	Z	624	624	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	M1	X	-5.101	-5.101	0	%100
2	M1	Z	-8.835	-8.835	0	%100
3	M4	X	-1.727	-1.727	0	%100
4	M4	Z	-2.991	-2.991	0	%100
5	M10	X	-4.384	-4.384	0	%100
6	M10	Z	-7.593	-7.593	0	%100
7	MP2B	X	-4.615	-4.615	0	%100
8	MP2B	Z	-7.994	-7.994	0	%100
9	MP4B	X	-4.615	-4.615	0	%100
10	MP4B	Z	-7.994	-7.994	0	%100
11	MP1B	X	-4.615	-4.615	0	%100
12	MP1B	Z	-7.994	-7.994	0	%100
13	M43	X	-4.384	-4.384	0	%100
14	M43	Z	-7.593	-7.593	0	%100
15	M46	X	-8.744	-8.744	0	%100
16	M46	Z	-15.146	-15.146	0	%100
17	M51B	X	-4.856	-4.856	0	%100
18	M51B	Z	-8.41	-8.41	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	-2.915	-2.915	0	%100
22	M76	Z	-5.049	-5.049	0	%100
23	M77	X	-8.906	-8.906	0	%100
24	M77	Z	-15.426	-15.426	0	%100
25	M80	Х	-9.381	-9.381	0	%100
26	M80	Z	-16.248	-16.248	0	%100
27	M84	X	-2.915	-2.915	0	%100
28	M84	Z	-5.049	-5.049	0	%100
29	M85	Х	0	0	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	0	0	0	%100
32	M91	Ž	0	0	0	%100
33	M52A	X	-1.727	-1.727	0	%100
34	M52A	Z	-2.991	-2.991	0	%100
35	M53	X	-4.384	-4.384	0	%100
36	M53	Z	-7.593	-7.593	0	%100
37	M54	X	-4.384	-4.384	0	%100
38	M54	Z	-7.593	-7.593	0	%100
39	M55	X	-8.744	-8.744	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	M55	Z	-15.146	-15.146	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	-4.856	-4.856	0	%100
44	M59A	Z	-8.41	-8.41	0	%100
45	M63	X	-2.915	-2.915	0	%100
46	M63	Z	-5.049	-5.049	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	-2.915	-2.915	0	%100
52	M68	Z	-5.049	-5.049	0	%100
53	M69	X	-8.906	-8.906	0	%100
54	M69	Z	-15.426	-15.426	0	%100
55	M71	Х	-9.381	-9.381	0	%100
56	M71	Z	-16.248	-16.248	0	%100
57	M76A	X	-6.908	-6.908	0	%100
58	M76A	Z	-11.965	-11.965	0	%100
59	M77A	Х	0	0	0	%100
60	M77A	Z	0	0	0	%100
61	M78	Х	0	0	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	-4.856	-4.856	0	%100
66	M82	Z	-8.41	-8.41	0	%100
67	M83A	X	-4.856	-4.856	0	%100
68	M83A	Z	-8.41	-8.41	0	%100
69	M87	X	-11.659	-11.659	0	%100
70	M87	Z	-20.194	-20.194	0	%100
71	M88A	X	-8.906	-8.906	0	%100
72	M88A	Z	-15.426	-15.426	0	%100
73	M90	X	-9.381	-9.381	0	%100
74	M90	Z	-16.248	-16.248	0	%100
75	M92A	X	-11.659	-11.659	0	%100
76	M92A	Z	-20.194	-20.194	0	%100
77	M93	X	-8.906	-8.906	0	%100
78	M93	Z	-15.426	-15.426	0	%100
79	M95	X	-9.381	-9.381	0	%100
80	M95	Ž	-16.248	-16.248	0	%100
81	M82A	X	-5.101	-5.101	0	%100
82	M82A	Ž	-8.835	-8.835	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	0	0	0	%100
85	MP3B	X	-4.615	-4.615	0	%100
86	MP3B	Z	-7.994	-7.994	0	%100
87	MP3A	X	-4.615	-4.615	0	%100
88	MP3A	Z	-7.994	-7.994	0	%100
89	MP2A	X	-4.615	-4.615	0	%100
90	MP2A	Z	-7.994	-7.994	0	%100
91	MP1A	X	-4.615	-4.615	0	%100 %100
92	MP1A	Z	-7.994	-7.994	0	%100 %100
93	MP6C	X	-4.615	-4.615	0	%100 %100
94	MP6C	Z	-7.994	-7.994	0	%100 %100
95	MP2C	X	-4.615	-4.615	0	%100 %100
96	MP2C	Z	-7.994	-7.994	0	%100 %100
VV	IVII ZŲ	_	7.007	7.007		70100

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,%]
97	MP5C	X	-4.615	-4.615	0	%100
98	MP5C	Z	-7.994	-7.994	0	%100
99	M103	X	-4.206	-4.206	0	%100
100	M103	Z	-7.285	-7.285	0	%100
101	M104	X	-4.19	-4.19	0	%100
102	M104	Z	-7.257	-7.257	0	%100
103	M111	X	-4.19	-4.19	0	%100
104	M111	Z	-7.257	-7.257	0	%100
105	M112	X	0	0	0	%100
106	M112	Z	0	0	0	%100
107	M126	X	0	0	0	%100
108	M126	Z	0	0	0	%100
109	M127	X	-5.292	-5.292	0	%100
110	M127	Z	-9.166	-9.166	0	%100
111	M128	X	-5.292	-5.292	0	%100
112	M128	Z	-9.166	-9.166	0	%100
113	MP1C	X	-4.615	-4.615	0	%100
114	MP1C	Z	-7.994	-7.994	0	%100
115	M125A	X	832	832	0	%100
116	M125A	Z	-1.441	-1.441	0	%100
117	M126A	X	832	832	0	%100
118	M126A	Z	-1.441	-1.441	0	%100
119	M131	X	832	832	0	%100
120	M131	Z	-1.441	-1.441	0	%100
121	M132	X	832	832	0	%100
122	M132	Z	-1.441	-1.441	0	%100
123	MP3C	X	-4.615	-4.615	0	%100
124	MP3C	Z	-7.994	-7.994	0	%100
125	M138	X	832	832	0	%100
126	M138	Z	-1.441	-1.441	0	%100
127	M139	X	832	832	0	%100
128	M139	Z	-1.441	-1.441	0	%100
129	M144	Χ	832	832	0	%100
130	M144	Z	-1.441	-1.441	0	%100
131	M145	X	832	832	0	%100
132	M145	Z	-1.441	-1.441	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	861	861	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	-2.608	-2.608	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	708	708	0	%100
7	MP2B	X	0	0	0	%100
8	MP2B	Z	-2.778	-2.778	0	%100
9	MP4B	X	0	0	0	%100
10	MP4B	Z	-2.778	-2.778	0	%100
11	MP1B	X	0	0	0	%100
12	MP1B	Z	-2.778	-2.778	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	708	708	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	-1.107	-1.107	0	%100
17	M51B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
18	M51B	Z	-3.26	-3.26	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	815	815	0	%100
21	M76	X	0	0	0	%100
22	M76	Z	-3.268	-3.268	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	-4.423	-4.423	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	-4.616	-4.616	0	%100
27	M84	X	0	0	0	%100
28	M84	Z	-3.268	-3.268	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	-1.106	-1.106	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	-1.154	-1.154	0	%100 %100
33	M52A	X	0	0	0	%100 %100
34	M52A	Z	0	0	0	%100 %100
35	M53	X	0	0	0	%100 %100
36	M53	Z	-2.832	-2.832	0	%100 %100
37	M54	X	0	0	0	%100 %100
38	M54	Z	-2.832	-2.832	0	%100 %100
39	M55	X	-2.032	-2.832	0	%100 %100
40	M55	Z	-4.429	-4.429	0	%100 %100
41	M58A	X	0	-4.429	0	%100 %100
42	M58A	Z	815	815	0	%100 %100
43		X	015	615	0	%100 %100
	M59A	Z	<u> </u>			
44	M59A		815	815	0	%100 %400
45	M63	X Z	0	0	0	%100
46	M63		0	0	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	-1.106	-1.106	0	%100 %400
49	M66	X	0	0	0	%100 %400
50	M66	Z	-1.154	-1.154	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	-1.106	-1.106	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	-1.154	-1.154	0	%100
57	M76A	X	0	0	0	%100 %400
58	M76A	Z	-2.608	-2.608	0	%100 %400
59	M77A	X	700	0	0	%100 %100
60	M77A	Z	708	708	0	%100 %400
61	M78	X	700	0	0	%100 %100
62	M78	Z	708	708	0	%100 %400
63	M79A	X	0	0	0	%100 %400
64	M79A	Z	-1.107	-1.107	0	%100
65	M82	X	0	0	0	%100
66	M82	Z	815	815	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	-3.26	-3.26	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	-3.268	-3.268	0	%100
71	M88A	X	0	0	0	%100
72	M88A	Z	-1.106	-1.106	0	%100
73	M90	X	0	0	0	%100
74	M90	Z	-1.154	-1.154	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
75	M92A	X	0	0	0	%100
76	M92A	Z	-3.268	-3.268	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	-4.423	-4.423	0	%100
79	M95	X	0	0	0	%100
80	M95	Z	-4.616	-4.616	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	-3.445	-3.445	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	861	861	0	%100
85	MP3B	X	0	0	0	%100
86	MP3B	Z	-2.778	-2.778	0	%100
87	MP3A	X	0	0	0	%100
88	MP3A	Z	-2.778	-2.778	0	%100
89	MP2A	X	0	0	0	%100
90	MP2A	Z	-2.778	-2.778	0	%100
91	MP1A	X	0	0	0	%100
92	MP1A	Z	-2.778	-2.778	0	%100
93	MP6C	X	0	0	0	%100
94	MP6C	Z	-2.778	-2.778	0	%100
95	MP2C	Х	0	0	0	%100
96	MP2C	Z	-2.778	-2.778	0	%100
97	MP5C	X	0	0	0	%100
98	MP5C	Z	-2.778	-2.778	0	%100
99	M103	X	0	0	0	%100
100	M103	Z	-2.546	-2.546	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	769	769	0	%100
103	M111	X	0	0	0	%100
104	M111	Z	-3.074	-3.074	0	%100
105	M112	X	0	0	0	%100
106	M112	Z	769	769	0	%100
107	M126	X	0	0	0	%100
108	M126	Z	793	793	0	%100
109	M127	X	0	0	0	%100
110	M127	Z	-3.171	-3.171	0	%100
111	M128	X	0	0	0	%100
112	M128	Z	793	793	0	%100
113	MP1C	X	0	0	0	%100
114	MP1C	Z	-2.778	-2.778	0	%100
115	M125A	X	0	0	0	%100
116	M125A	Z	79	79	0	%100
117	M126A	X	0	0	0	%100
118	M126A	Z	79	79	0	%100
119	M131	X	0	0	0	%100
120	M131	Z	79	79	0	%100
121	M132	X	0	0	0	%100
122	M132	Z	79	79	0	%100
123	MP3C	X	0	0	0	%100
124	MP3C	Z	-2.778	-2.778	0	%100
125	M138	X	0	0	0	%100
126	M138	Z	79	79	0	%100
127	M139	X	0	0	0	%100
128	M139	Z	79	79	0	%100
129	M144	X	0	0	0	%100
130	M144	Z	79	79	0	%100
131	M145	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
132	M145	Z	79	79	0	%100

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

1 M1 X 0 0 0 %100 2 M1 Z 0 0 0 %100 3 M4 X 1.739 1.739 0 %100 4 M4 Z -3.012 -3.012 0 %100 5 M10 X 0 0 0 %100 6 M10 Z 0 0 0 %100 7 MP2B X 1.389 1.389 0 %100 8 MP2B Z -2.406 -2.406 0 %100 9 MP4B X 1.389 1.389 0 %100 10 MP4B Z -2.406 -2.406 0 %100 11 MP1B X 1.389 1.389 0 %100 12 MP1B Z -2.406 -2.406 0 %100 13 M43 X 0<
3 M4 X 1.739 1.739 0 %100 4 M4 Z -3.012 -3.012 0 %100 5 M10 X 0 0 0 %100 6 M10 Z 0 0 0 %100 7 MP2B X 1.389 1.389 0 %100 8 MP2B Z -2.406 -2.406 0 %100 9 MP4B X 1.389 1.389 0 %100 10 MP4B Z -2.406 -2.406 0 %100 11 MP1B X 1.389 1.389 0 %100 12 MP1B Z -2.406 -2.406 0 %100 13 M43 X 0 0 0 %100 14 M43 Z 0 0 0 %100 14 M46 X <t< td=""></t<>
4 M4 Z -3.012 -3.012 0 %100 5 M10 X 0 0 0 %100 6 M10 Z 0 0 0 %100 7 MP2B X 1.389 1.389 0 %100 8 MP2B Z -2.406 -2.406 0 %100 9 MP4B X 1.389 1.389 0 %100 10 MP4B X 1.389 1.389 0 %100 11 MP1B X 1.389 1.389 0 %100 12 MP1B Z -2.406 -2.406 0 %100 12 MP1B Z -2.406 -2.406 0 %100 14 M43 X 0 0 0 %100 14 M43 X 0 0 0 %100 15 M46 X
5 M10 X 0 0 0 %100 6 M10 Z 0 0 0 %100 7 MP2B X 1.389 1.389 0 %100 8 MP2B Z -2.406 -2.406 0 %100 9 MP4B X 1.389 1.389 0 %100 10 MP4B Z -2.406 -2.406 0 %100 11 MP1B X 1.389 1.389 0 %100 12 MP1B X 2.2406 -2.406 0 %100 13 M43 X 0 0 0 0 %100 14 M43
6 M10 Z 0 0 %100 7 MP2B X 1.389 1.389 0 %100 8 MP2B Z -2.406 -2.406 0 %100 9 MP4B X 1.389 1.389 0 %100 10 MP4B Z -2.406 -2.406 0 %100 11 MP1B X 1.389 1.389 0 %100 11 MP1B X 1.389 1.389 0 %100 12 MP1B Z -2.406 -2.406 0 %100 13 M43 X 0 0 0 %100 14 M43 Z 0 0 0 %100 15 M46 X 0 0 0 %100 17 M51B X 1.222 1.222 0 %100 18 M51B Z -2.117
6 M10 Z 0 0 %100 7 MP2B X 1.389 1.389 0 %100 8 MP2B Z -2.406 -2.406 0 %100 9 MP4B X 1.389 1.389 0 %100 10 MP4B Z -2.406 -2.406 0 %100 11 MP1B X 1.389 1.389 0 %100 11 MP1B X 1.389 1.389 0 %100 12 MP1B Z -2.406 -2.406 0 %100 13 M43 X 0 0 0 %100 14 M43 Z 0 0 0 %100 15 M46 X 0 0 0 %100 17 M51B X 1.222 1.222 0 %100 18 M51B Z -2.117
7 MP2B X 1.389 1.389 0 %100 8 MP2B Z -2.406 -2.406 0 %100 9 MP4B X 1.389 1.389 0 %100 10 MP4B Z -2.406 -2.406 0 %100 11 MP1B X 1.389 1.389 0 %100 12 MP1B Z -2.406 -2.406 0 %100 13 M43 X 0 0 0 %100 13 M43 X 0 0 0 %100 14 M43 Z 0 0 0 %100 15 M46 X 0 0 0 %100 15 M46 X 0 0 0 %100 16 M46 Z 0 0 0 %100 17 M51B X 1.222
8 MP2B Z -2.406 -2.406 0 %100 9 MP4B X 1.389 1.389 0 %100 10 MP4B Z -2.406 -2.406 0 %100 11 MP1B X 1.389 1.389 0 %100 12 MP1B Z -2.406 -2.406 0 %100 13 M43 X 0 0 0 %100 14 M43 Z 0 0 0 %100 15 M46 X 0 0 0 %100 15 M46 X 0 0 0 %100 17 M51B X 1.222 1.222 0 %100 18 M51B Z -2.117 -2.117 0 %100 19 M52B X 1.222 1.222 0 %100 20 M52B Z
9 MP4B X 1.389 1.389 0 %100 10 MP4B Z -2.406 -2.406 0 %100 11 MP1B X 1.389 1.389 0 %100 12 MP1B Z -2.406 -2.406 0 %100 13 M43 X 0 0 0 %100 14 M43 Z 0 0 0 %100 15 M46 X 0 0 0 %100 16 M46 X 0 0 0 %100 17 M51B X 1.222 1.222 0 %100 18 M51B X 1.222 1.222 0 %100 19 M52B X 1.222 1.222 0 %100 20 M52B Z -2.117 -2.117 0 %100 22 M76 X
10 MP4B Z -2.406 -2.406 0 %100 11 MP1B X 1.389 1.389 0 %100 12 MP1B Z -2.406 -2.406 0 %100 13 M43 X 0 0 0 %100 14 M43 Z 0 0 0 %100 15 M46 X 0 0 0 %100 16 M46 Z 0 0 0 %100 17 M51B X 1.222 1.222 0 %100 18 M51B Z -2.117 0 %100 19 M52B X 1.222 1.222 0 %100 20 M52B X 1.222 1.222 0 %100 21 M76 X 2.178 2.178 0 %100 22 M76 Z -3.773
11 MP1B X 1.389 1.389 0 %100 12 MP1B Z -2.406 -2.406 0 %100 13 M43 X 0 0 0 %100 14 M43 Z 0 0 0 %100 15 M46 X 0 0 0 %100 16 M46 X 0 0 0 %100 17 M51B X 1.222 1.222 0 %100 18 M51B Z -2.117 -2.117 0 %100 19 M52B X 1.222 1.222 0 %100 20 M52B X 1.222 1.222 0 %100 21 M76 X 2.178 2.178 0 %100 21 M76 X 2.178 2.178 0 %100 23 M77 X
12 MP1B Z -2.406 -2.406 0 %100 13 M43 X 0 0 0 %100 14 M43 Z 0 0 0 %100 15 M46 X 0 0 0 %100 16 M46 Z 0 0 0 %100 17 M51B X 1.222 1.222 0 %100 18 M51B Z -2.117 -2.117 0 %100 19 M52B X 1.222 1.222 0 %100 20 M52B Z -2.117 -2.117 0 %100 21 M76 X 2.178 2.178 0 %100 22 M76 Z -3.773 -3.773 0 %100 24 M77 X 1.659 1.659 0 %100 25 M80 X
13 M43 X 0 0 0 %100 14 M43 Z 0 0 0 %100 15 M46 X 0 0 0 %100 16 M46 Z 0 0 0 %100 17 M51B X 1.222 1.222 0 %100 18 M51B Z -2.117 -2.117 0 %100 19 M52B X 1.222 0 %100 20 M52B X 1.222 0 %100 21 M76 X 2.178 2.178 0 %100 22 M76 X 2.178 2.178 0 %100 23<
14 M43 Z 0 0 %100 15 M46 X 0 0 0 %100 16 M46 Z 0 0 0 %100 17 M51B X 1.222 1.222 0 %100 18 M51B Z -2.117 -2.117 0 %100 19 M52B X 1.222 1.222 0 %100 20 M52B X 1.222 0 %100 21 M76 X 2.178 2.178 0 %100 21 M76 X 2.178 2.178 0 %100 22 M76 Z -3.773 -3.773 0 %100 23 M77 X 1.659 1.659 0 %100 24 M77 Z -2.873 -2.873 0 %100 25 M80 X 1.731 1.73
15 M46 X 0 0 0 %100 16 M46 Z 0 0 0 %100 17 M51B X 1.222 1.222 0 %100 18 M51B Z -2.117 -2.117 0 %100 19 M52B X 1.222 1.222 0 %100 20 M52B Z -2.117 -2.117 0 %100 21 M76 X 2.178 2.178 0 %100 22 M76 Z -3.773 -3.773 0 %100 23 M77 X 1.659 1.659 0 %100 24 M77 Z -2.873 -2.873 0 %100 25 M80 X 1.731 1.731 0 %100 26 M80 Z -2.998 0 %100 27 M84 X <
16 M46 Z 0 0 %100 17 M51B X 1.222 1.222 0 %100 18 M51B Z -2.117 -2.117 0 %100 19 M52B X 1.222 1.222 0 %100 20 M52B Z -2.117 -2.117 0 %100 21 M76 X 2.178 2.178 0 %100 22 M76 Z -3.773 -3.773 0 %100 23 M77 X 1.659 1.659 0 %100 24 M77 Z -2.873 -2.873 0 %100 25 M80 X 1.731 1.731 0 %100 27 M84 X 2.178 2.178 0 %100 28 M84 Z -3.773 -3.773 0 %100 29 M85 X </td
17 M51B X 1,222 1,222 0 %100 18 M51B Z -2.117 -2.117 0 %100 19 M52B X 1.222 1.222 0 %100 20 M52B Z -2.117 -2.117 0 %100 21 M76 X 2.178 2.178 0 %100 22 M76 Z -3.773 -3.773 0 %100 23 M77 X 1.659 1.659 0 %100 24 M77 Z -2.873 -2.873 0 %100 25 M80 X 1.731 1.731 0 %100 26 M80 Z -2.998 -2.998 0 %100 27 M84 X 2.178 2.178 0 %100 28 M84 Z -3.773 -3.773 0 %100 29
18 M51B Z -2.117 -2.117 0 %100 19 M52B X 1.222 1.222 0 %100 20 M52B Z -2.117 -2.117 0 %100 21 M76 X 2.178 2.178 0 %100 22 M76 Z -3.773 -3.773 0 %100 23 M77 X 1.659 1.659 0 %100 24 M77 Z -2.873 -2.873 0 %100 25 M80 X 1.731 1.731 0 %100 26 M80 Z -2.998 -2.998 0 %100 27 M84 X 2.178 2.178 0 %100 28 M84 Z -3.773 -3.773 0 %100 29 M85 X 1.659 1.659 0 %100 30
19 M52B X 1.222 1.222 0 %100 20 M52B Z -2.117 -2.117 0 %100 21 M76 X 2.178 2.178 0 %100 22 M76 Z -3.773 -3.773 0 %100 23 M77 X 1.659 0 %100 24 M77 Z -2.873 -2.873 0 %100 25 M80 X 1.731 1.731 0 %100 26 M80 Z -2.998 -2.998 0 %100 27 M84 X 2.178 2.178 0 %100 28 M84 Z -3.773 -3.773 0 %100 29 M85 X 1.659 1.659 0 %100 30 M85 Z -2.873 -2.873 0 %100 31 M91 X 1.731 1.731 0 %100
20 M52B Z -2.117 -2.117 0 %100 21 M76 X 2.178 2.178 0 %100 22 M76 Z -3.773 -3.773 0 %100 23 M77 X 1.659 1.659 0 %100 24 M77 Z -2.873 -2.873 0 %100 25 M80 X 1.731 1.731 0 %100 26 M80 Z -2.998 -2.998 0 %100 27 M84 X 2.178 2.178 0 %100 28 M84 Z -3.773 -3.773 0 %100 29 M85 X 1.659 1.659 0 %100 30 M85 Z -2.873 -2.873 0 %100 31 M91 X 1.731 1.731 0 %100
21 M76 X 2.178 2.178 0 %100 22 M76 Z -3.773 -3.773 0 %100 23 M77 X 1.659 1.659 0 %100 24 M77 Z -2.873 -2.873 0 %100 25 M80 X 1.731 1.731 0 %100 26 M80 Z -2.998 -2.998 0 %100 27 M84 X 2.178 0 %100 28 M84 Z -3.773 -3.773 0 %100 29 M85 X 1.659 1.659 0 %100 30 M85 Z -2.873 -2.873 0 %100 31 M91 X 1.731 1.731 0 %100
22 M76 Z -3.773 -3.773 0 %100 23 M77 X 1.659 0 %100 24 M77 Z -2.873 -2.873 0 %100 25 M80 X 1.731 1.731 0 %100 26 M80 Z -2.998 -2.998 0 %100 27 M84 X 2.178 2.178 0 %100 28 M84 Z -3.773 -3.773 0 %100 29 M85 X 1.659 1.659 0 %100 30 M85 Z -2.873 -2.873 0 %100 31 M91 X 1.731 1.731 0 %100
23 M77 X 1.659 0 %100 24 M77 Z -2.873 -2.873 0 %100 25 M80 X 1.731 1.731 0 %100 26 M80 Z -2.998 -2.998 0 %100 27 M84 X 2.178 0 %100 28 M84 Z -3.773 -3.773 0 %100 29 M85 X 1.659 1.659 0 %100 30 M85 Z -2.873 -2.873 0 %100 31 M91 X 1.731 1.731 0 %100
24 M77 Z -2.873 -2.873 0 %100 25 M80 X 1.731 1.731 0 %100 26 M80 Z -2.998 -2.998 0 %100 27 M84 X 2.178 2.178 0 %100 28 M84 Z -3.773 -3.773 0 %100 29 M85 X 1.659 1.659 0 %100 30 M85 Z -2.873 -2.873 0 %100 31 M91 X 1.731 1.731 0 %100
25 M80 X 1.731 1.731 0 %100 26 M80 Z -2.998 -2.998 0 %100 27 M84 X 2.178 0 %100 28 M84 Z -3.773 -3.773 0 %100 29 M85 X 1.659 1.659 0 %100 30 M85 Z -2.873 -2.873 0 %100 31 M91 X 1.731 1.731 0 %100
26 M80 Z -2.998 -2.998 0 %100 27 M84 X 2.178 2.178 0 %100 28 M84 Z -3.773 -3.773 0 %100 29 M85 X 1.659 1.659 0 %100 30 M85 Z -2.873 -2.873 0 %100 31 M91 X 1.731 1.731 0 %100
27 M84 X 2.178 2.178 0 %100 28 M84 Z -3.773 -3.773 0 %100 29 M85 X 1.659 1.659 0 %100 30 M85 Z -2.873 -2.873 0 %100 31 M91 X 1.731 1.731 0 %100
28 M84 Z -3.773 -3.773 0 %100 29 M85 X 1.659 1.659 0 %100 30 M85 Z -2.873 -2.873 0 %100 31 M91 X 1.731 1.731 0 %100
29 M85 X 1.659 0 %100 30 M85 Z -2.873 -2.873 0 %100 31 M91 X 1.731 1.731 0 %100
30 M85 Z -2.873 -2.873 0 %100 31 M91 X 1.731 1.731 0 %100
31 M91 X 1.731 1.731 0 %100
32 M91 Z -2.998 -2.998 0 %100
33 M52A X .435 .435 0 %100
34 M52A Z753753 0 %100
35 M53 X 1.062 1.062 0 %100
36 M53 Z -1.84 -1.84 0 %100
37 M54 X 1.062 1.062 0 %100
38 M54 Z -1.84 -1.84 0 %100
39 M55 X 1.661 1.661 0 %100
40 M55 Z -2.877 -2.877 0 %100
41 M58A X 1.222 1.222 0 %100
42 M58A Z -2.117 -2.117 0 %100
43 M59A X 0 0 0 %100
44 M59A Z 0 0 0 %100
45 M63 X .545 .545 0 %100
46 M63 Z943943 0 %100
47 M64 X 1.659 1.659 0 %100
48 M64 Z -2.873 -2.873 0 %100
49 M66 X 1.731 1.731 0 %100
50 M66 Z -2.998 -2.998 0 %100
51 M68 X .545 .545 0 %100
52 M68 Z943943 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,%]
53	M69	X	0	0	0	%100
54	M69	Z	0	0	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	0	0	0	%100
57	M76A	X	.435	.435	0	%100
58	M76A	Z	753	753	0	%100
59	M77A	X	1.062	1.062	0	%100
60	M77A	Z	-1.84	-1.84	0	%100
61	M78	X	1.062	1.062	0	%100
62	M78	Z	-1.84	-1.84	0	%100
63	M79A	X	1.661	1.661	0	%100 %100
64	M79A	Z	-2.877	-2.877	0	%100
65	M82	X	0	0	0	%100 %100
66	M82	Z	0	0	0	%100 %100
67	M83A	X	1.222	1.222	0	%100 %100
68	M83A	Z	-2.117	-2.117	0	%100 %100
69	M87		.545	.545	0	%100 %100
70	M87	Z	943	943	0	%100 %100
71	M88A	X	0	0	0	%100
72	M88A	Z	0	0	0	%100
73	M90	X	0	0	0	%100
74	M90	Z	0	0	0	%100
75	M92A	X	.545	.545	0	%100
76	M92A	Z	943	943	0	%100
77	M93	X	1.659	1.659	0	%100
78	M93	Z	-2.873	-2.873	0	%100
79	M95	X	1.731	1.731	0	%100
80	M95	Z	-2.998	-2.998	0	%100
81	M82A	X	1.292	1.292	0	%100
82	M82A	Z	-2.238	-2.238	0	%100
83	M91B	X	1.292	1.292	0	%100
84	M91B	Z	-2.238	-2.238	0	%100
85	MP3B	X	1.389	1.389	0	%100
86	MP3B	Z	-2.406	-2.406	0	%100
87	MP3A	X	1.389	1.389	0	%100
88	MP3A	Z	-2.406	-2.406	0	%100
89	MP2A	X	1.389	1.389	0	%100
90	MP2A	Z	-2.406	-2.406	0	%100
91	MP1A	X	1.389	1.389	0	%100
92	MP1A	Z	-2.406	-2.406	0	%100
93	MP6C	X	1.389	1.389	0	%100
94	MP6C	Z	-2.406	-2.406	0	%100
95	MP2C	X	1.389	1.389	0	%100
96	MP2C	Ž	-2.406	-2.406	0	%100
97	MP5C	X	1.389	1.389	0	%100 %100
98	MP5C	Z	-2.406	-2.406	0	%100 %100
99	M103	X	1.273	1.273	0	%100 %100
100	M103	Z	-2.205	-2.205	0	%100 %100
101	M104	X	0	0	0	%100 %100
102	M104	Z	0	0	0	%100 %100
103	M111	X	1.153	1.153	0	%100 %100
104	M111	Z	-1.997	-1.997	0	%100 %100
105	M112	X	1.153	1.153	0	%100 %100
	M112	Z			0	
106			-1.997	-1.997		%100 %100
107	M126	X	1.189	1.189	0	%100 %100
108	M126	Z	-2.06	-2.06	0	%100
109	M127	X	1.189	1.189	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,%]
110	M127	Z	-2.06	-2.06	0	%100
111	M128	X	0	0	0	%100
112	M128	Z	0	0	0	%100
113	MP1C	X	1.389	1.389	0	%100
114	MP1C	Z	-2.406	-2.406	0	%100
115	M125A	X	.132	.132	0	%100
116	M125A	Z	228	228	0	%100
117	M126A	X	.132	.132	0	%100
118	M126A	Z	228	228	0	%100
119	M131	X	.132	.132	0	%100
120	M131	Z	228	228	0	%100
121	M132	X	.132	.132	0	%100
122	M132	Z	228	228	0	%100
123	MP3C	X	1.389	1.389	0	%100
124	MP3C	Z	-2.406	-2.406	0	%100
125	M138	X	.132	.132	0	%100
126	M138	Z	228	228	0	%100
127	M139	X	.132	.132	0	%100
128	M139	Z	228	228	0	%100
129	M144	X	.132	.132	0	%100
130	M144	Z	228	228	0	%100
131	M145	X	.132	.132	0	%100
132	M145	Z	228	228	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
1	M1	X	.746	.746	0	%100
2	M1	Z	431	431	0	%100
3	M4	X	2.259	2.259	0	%100
4	M4	Z	-1.304	-1.304	0	%100
5	M10	X	.613	.613	0	%100
6	M10	Z	354	354	0	%100
7	MP2B	X	2.406	2.406	0	%100
8	MP2B	Z	-1.389	-1.389	0	%100
9	MP4B	X	2.406	2.406	0	%100
10	MP4B	Z	-1.389	-1.389	0	%100
11	MP1B	X	2.406	2.406	0	%100
12	MP1B	Z	-1.389	-1.389	0	%100
13	M43	X	.613	.613	0	%100
14	M43	Z	354	354	0	%100
15	M46	X	.959	.959	0	%100
16	M46	Z	554	554	0	%100
17	M51B	X	.706	.706	0	%100
18	M51B	Z	407	407	0	%100
19	M52B	X	2.823	2.823	0	%100
20	M52B	Z	-1.63	-1.63	0	%100
21	M76	X	2.83	2.83	0	%100
22	M76	Ζ	-1.634	-1.634	0	%100
23	M77	X	.958	.958	0	%100
24	M77	Z	553	553	0	%100
25	M80	Χ	.999	.999	0	%100
26	M80	Z	577	577	0	%100
27	M84	X	2.83	2.83	0	%100
28	M84	Z	-1.634	-1.634	0	%100
29	M85	Χ	3.83	3.83	0	%100
30	M85	Z	-2.211	-2.211	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,%]
31	M91	X	3.997	3.997	0	%100
32	M91	Z	-2.308	-2.308	0	%100
33	M52A	X	2.259	2.259	0	%100
34	M52A	Z	-1.304	-1.304	0	%100
35	M53	X	.613	.613	0	%100
36	M53	Z	354	354	0	%100
37	M54	X	.613	.613	0	%100
38	M54	Z	354	354	0	%100
39	M55	X	.959	.959	0	%100
40	M55	Z	554	554	0	%100
41	M58A	X	2.823	2.823	0	%100
42	M58A	Z	-1.63	-1.63	0	%100
43	M59A	X	.706	.706	0	%100
44	M59A	Ž	407	407	0	%100
45	M63	X	2.83	2.83	0	%100
46	M63	Ž	-1.634	-1.634	0	%100
47	M64	X	3.83	3.83	0	%100
48	M64	Z	-2.211	-2.211	0	%100 %100
49	M66	X	3.997	3.997	0	%100 %100
50	M66	Z	-2.308	-2.308	0	%100 %100
51	M68	X	2.83	2.83	0	%100 %100
52	M68	Z	-1.634	-1.634	0	%100 %100
53	M69	X	.958	.958	0	%100 %100
54	M69	Z	553	553	0	%100 %100
55	M71	X	.999	.999	0	%100 %100
56	M71	Z	577	577	0	%100 %100
57	M76A	X	0	0	0	%100 %100
58	M76A	Z	0	0	0	%100 %100
59	M77A	X	2.453	2.453	0	%100 %100
60	M77A	Z	-1.416	-1.416	0	%100 %100
61	M78	X	2.453	2.453	0	%100 %100
62	M78	Z	-1.416	-1.416	0	%100 %100
63	M79A	X	3.836	3.836	0	%100 %100
64	M79A	Z	-2.215	-2.215	0	%100 %100
65	M82	X	.706	.706	0	%100 %100
66	M82	Z	407	407	0	%100 %100
67	M83A	X	.706	.706	0	%100 %100
68	M83A	Z	407	407	0	%100 %100
69	M87	X	0	0	0	%100 %100
70	M87	Z	0	0	0	%100 %100
71	M88A	X	.958	.958	0	%100 %100
72	M88A	Z	553	553	0	%100 %100
73	M90	X	.999	.999	0	%100 %100
74	M90	Z	577	577	0	%100 %100
75	M92A	X	0	0	0	%100 %100
76	M92A	Z	0	0	0	%100 %100
77	M93	X	.958	.958	0	%100 %100
78	M93	Z	553	553	0	%100 %100
79	M95	X	.999	.999	0	%100 %100
80	M95	Z	577	577	0	%100 %100
81	M82A	X	.746	.746	0	%100 %100
82	M82A	Z	431	431	0	%100 %100
83	M91B	X	2.983	2.983	0	%100 %100
84	M91B	Z	-1.722	-1.722	0	%100 %100
85	MP3B	X	2.406	2.406	0	%100 %100
86	MP3B	Z	-1.389	-1.389	0	%100 %100
87	MP3A	X	2.406	2.406	0	%100 %100
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Member Distributed Loads (BLC 55 : Structure Wi (60 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
88	MP3A	Z	-1.389	-1.389	0	%100
89	MP2A	X	2.406	2.406	0	%100
90	MP2A	Z	-1.389	-1.389	0	%100
91	MP1A	X	2.406	2.406	0	%100
92	MP1A	Z	-1.389	-1.389	0	%100
93	MP6C	X	2.406	2.406	0	%100
94	MP6C	Z	-1.389	-1.389	0	%100
95	MP2C	X	2.406	2.406	0	%100
96	MP2C	Z	-1.389	-1.389	0	%100
97	MP5C	X	2.406	2.406	0	%100
98	MP5C	Z	-1.389	-1.389	0	%100
99	M103	X	2.205	2.205	0	%100
100	M103	Z	-1.273	-1.273	0	%100
101	M104	X	.666	.666	0	%100
102	M104	Z	384	384	0	%100
103	M111	X	.666	.666	0	%100
104	M111	Z	384	384	0	%100 %100
105	M112	X	2.662	2.662	0	%100 %100
106	M112	Z	-1.537	-1.537	0	%100 %100
107	M126	X	2.746	2.746	0	%100 %100
108	M126	Z	-1.586	-1.586	0	%100 %100
109	M127	X	.687	.687	0	%100 %100
110	M127	Z	396	396	0	%100 %100
111	M128	X	.687	.687	0	%100 %100
112	M128	Z	396	396	0	%100 %100
113	MP1C	X	2.406	2.406	0	%100 %100
114	MP1C	Ž	-1.389	-1.389	0	%100 %100
115	M125A	X	0	-1.369	0	%100 %100
		Z	0	0	0	
116 117	M125A		*			%100 %100
	M126A	X	0	0	0	%100 %100
118	M126A	Z	0	0	0	%100 %100
119	M131	X Z	0	0	0	%100 %100
120	M131		0	0	0	%100 %100
121	M132	X Z	0	0	0	%100 %100
122	M132		0	0	0	%100
123	MP3C	X	2.406	2.406	0	%100
124	MP3C	Z	-1.389	-1.389	0	%100
125	M138	X	0	0	0	%100
126	M138	Z	0	0	0	%100
127	M139	X	0	0	0	%100
128	M139	Z	0	0	0	%100
129	M144	X	0	0	0	%100
130	M144	Z	0	0	0	%100
131	M145	X	0	0	0	%100
132	M145	Z	0	0	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	2.584	2.584	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	.869	.869	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	2.124	2.124	0	%100
6	M10	Z	0	0	0	%100
7	MP2B	X	2.778	2.778	0	%100
8	MP2B	Z	0	0	0	%100

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

	Member Label	Direction		End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
9	MP4B	X	2.778	2.778	0	%100
10	MP4B	Z	0	0	0	%100
11	MP1B	X	2.778	2.778	0	%100
12	MP1B	Z	0	0	0	%100
13	M43	X	2.124	2.124	0	%100
14	M43	Z	0	0	0	%100
15	M46	X	3.322	3.322	0	%100
16	M46	Z	0	0	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	0	0	0	%100
19	M52B	X	2.445	2.445	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	1.089	1.089	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	0	0	0	%100 %100
24	M77	Z	0	0	0	%100
25	M80	X	0	0	0	%100 %100
26	M80	Z	0	0	0	%100 %100
27	M84	X	1.089	1.089	0	%100 %100
28	M84	Z	0	0	0	%100 %100
29	M85	X	3.317	3.317	0	%100 %100
30	M85	Z	0	0	0	%100 %100
31	M91	X	3.462	3.462	0	%100 %100
32	M91	Ž	0	0	0	%100 %100
33	M52A	X	3.478	3.478	0	%100 %100
34	M52A	Z	0	0	0	%100 %100
			-	-		
35	M53	X	0	0	0	%100 %100
36	M53	Z	0	0	0	%100 %400
37	M54	X	0	0	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	0	0	0	%100 %400
40	M55	Z	0	0	0	%100 %400
41	M58A	X Z	2.445	2.445	0	%100
42	M58A		0	0	0	%100
43	M59A	X	2.445	2.445	0	%100
44	M59A	Z	0	0	0	%100
45	M63	X	4.357	4.357	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	3.317	3.317	0	%100
48	M64	Z	0	0	0	%100 %100
49	M66	X	3.462	3.462	0	%100 %100
50	M66	Z	0	0	0	%100 %100
51	M68	X Z	4.357	4.357	0	%100 %100
52	M68		0	0	0	%100 %100
53	M69	X	3.317	3.317	0	%100 %400
54	M69	Z	0	0	0	%100 %400
55	M71	X	3.462	3.462	0	%100
56	M71	Z	0	0	0	%100 %400
57	M76A	X	.869	.869	0	%100 %400
58	M76A	Z	0	0	0	%100
59	M77A	X	2.124	2.124	0	%100
60	M77A	Z	0	0	0	%100
61	M78	X	2.124	2.124	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	3.322	3.322	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	2.445	2.445	0	%100

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

	Member Label	Direction		End Magnitude[lb/ft,F		End Location[ft,%]
66	M82	Z	0	0	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	0	0	0	%100
69	M87	X	1.089	1.089	0	%100
70	M87	Z	0	0	0	%100
71	M88A	X	3.317	3.317	0	%100
72	M88A	Z	0	0	0	%100
73	M90	X	3.462	3.462	0	%100
74	M90	Z	0	0	0	%100
75	M92A	X	1.089	1.089	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	0	0	0	%100
79	M95	X	0	0	0	%100
80	M95	Ž	Ö	0	Ō	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	0	0	0	%100
83	M91B	X	2.584	2.584	0	%100
84	M91B	Ž	0	0	0	%100
85	MP3B	X	2.778	2.778	0	%100
86	MP3B	Z	0	0	0	%100
87	MP3A	X	2.778	2.778	0	%100
88	MP3A	Ž	0	0	0	%100
89	MP2A	X	2.778	2.778	0	%100
90	MP2A	Z	0	0	0	%100
91	MP1A	X	2.778	2.778	0	%100
92	MP1A	Ž	0	0	0	%100
93	MP6C	X	2.778	2.778	0	%100
94	MP6C	Z	0	0	0	%100
95	MP2C	X	2.778	2.778	0	%100
96	MP2C	Z	0	0	0	%100
97	MP5C	X	2.778	2.778	0	%100
98	MP5C	Z	0	0	0	%100
99	M103	X	2.546	2.546	0	%100
100	M103	Z	0	0	0	%100
101	M104	X	2.306	2.306	0	%100
102	M104	Z	0	0	0	%100
103	M111	X	0	0	0	%100
104	M111	Z	0	0	0	%100
105	M112	X	2.306	2.306	0	%100
106	M112	Z	0	0	0	%100
107	M126	X	2.378	2.378	0	%100
108	M126	Z	0	0	0	%100
109	M127	X	0	0	0	%100
110	M127	Z	0	0	0	%100
111	M128	X	2.378	2.378	0	%100
112	M128	Z	0	0	0	%100
113	MP1C	X	2.778	2.778	0	%100
114	MP1C	Z	0	0	0	%100
115	M125A	X	.263	.263	0	%100
116	M125A	Z	0	0	0	%100
117	M126A	X	.263	.263	0	%100
118	M126A	Z	0	0	0	%100
119	M131	X	.263	.263	0	%100
120	M131	Ž	0	0	0	%100
121	M132	X	.263	.263	0	%100
122	M132	Ž	0	0	0	%100
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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,%]
123	MP3C	X	2.778	2.778	0	%100
124	MP3C	Z	0	0	0	%100
125	M138	X	.263	.263	0	%100
126	M138	Z	0	0	0	%100
127	M139	X	.263	.263	0	%100
128	M139	Z	0	0	0	%100
129	M144	X	.263	.263	0	%100
130	M144	Z	0	0	0	%100
131	M145	X	.263	.263	0	%100
132	M145	Z	0	0	0	%100

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

1 M1 X 2,983 2,983 0 %100 3 M4 X 0 0 0 %100 4 M4 X 0 0 0 %100 5 M10 X 2,453 2,453 0 %100 6 M10 Z 1,416 1,416 0 %100 7 MP2B X 2,406 2,406 0 %100 8 MP2B Z 1,389 1,389 0 %100 9 MP4B X 2,406 2,406 0 %100 10 MP4B Z 1,389 1,389 0 %100 11 MP1B X 2,406 2,406 0 %100 12 MP1B X 2,406 2,406 0 %100 13 M43 X 2,453 2,453 0 %100 14 M46 X		Member Label	Direction	Start Magnitude[lb/ft,	. End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
3			X			-	
4 M4 Z 0 0 %100 5 M10 X 2.453 0 %100 6 M10 Z 1.416 1.416 0 %100 7 MP2B X 2.406 2.406 0 %100 8 MP2B Z 1.389 1.389 0 %100 9 MP4B X 2.406 2.406 0 %100 10 MP4B X 2.406 2.406 0 %100 11 MP1B X 2.406 2.406 0 %100 12 MP4B Z 1.389 1.389 0 %100 12 MP1B Z 1.389 1.389 0 %100 13 M43 X 2.453 2.453 0 %100 14 M43 X 2.453 0 %100 15 M46 X 3.836 3.836 <t< td=""><td>2</td><td></td><td>Z</td><td>1.722</td><td>1.722</td><td></td><td></td></t<>	2		Z	1.722	1.722		
5 M10 X 2.453 2.453 0 %100 6 M10 Z 1.416 1.416 0 %100 7 MP2B X 2.406 2.406 0 %100 8 MP2B Z 1.389 1.389 0 %100 10 MP4B X 2.406 2.406 0 %100 11 MP1B X 2.406 2.406 0 %100 11 MP1B X 2.453 2.453 0 %100 13 M43 X 2.453 2.453 0 %100 14 M43 Z 1.416 1.416 0 %100 15 M46 X 3.836 3.836 0 %100 16 M46 Z 2.215 2.215 0 %100 18 M51B X 7.06 7.06 0 %100 20 M52B			X			0	
6 M10 Z 1.416 1.416 0 %100 7 MP2B X 2.406 2.406 0 %100 8 MP2B Z 1.389 1.389 0 %100 9 MP4B X 2.406 2.406 0 %100 10 MP4B X 2.406 2.406 0 %100 11 MP1B X 2.406 2.406 0 %100 12 MP1B X 2.406 2.406 0 %100 12 MP1B Z 1.389 1.389 0 %100 12 MP1B Z 1.389 1.389 0 %100 14 M43 X 2.453 2.453 0 %100 14 M43 X 2.453 0 %100 15 M46 X 3.836 3.836 0 %100 16 M46 X	4	M4	Z	0		0	%100
7 MP2B X 2,406 2,406 0 %100 8 MP2B Z 1,389 1,389 0 %100 9 MP4B X 2,406 2,406 0 %100 10 MP4B Z 1,389 1,389 0 %100 11 MP1B X 2,406 2,2406 0 %100 12 MP1B Z 1,389 1,389 0 %100 13 M43 X 2,453 2,453 0 %100 14 M43 Z 1,416 1,416 0 %100 15 M46 X 3,836 3,836 0 %100 16 M46 X 3,836 3,836 0 %100 17 M51B X 7,706 7,06 0 %100 18 M51B X 7,06 7,06 0 %100 20 M52B <td>5</td> <td>M10</td> <td></td> <td>2.453</td> <td>2.453</td> <td>0</td> <td>%100</td>	5	M10		2.453	2.453	0	%100
8 MP2B Z 1,389 1,389 0 %100 9 MP4B X 2,406 2,406 0 %100 10 MP4B Z 1,389 1,389 0 %100 11 MP1B X 2,406 2,406 0 %100 12 MP1B Z 1,389 1,389 0 %100 13 M43 X 2,453 2,453 0 %100 14 M43 Z 1,416 1,416 0 %100 15 M46 X 3,836 3,836 0 %100 16 M46 Z 2,215 2,215 0 %100 17 M51B X .706 .706 0 %100 19 M52B X .706 .706 0 %100 20 M52B Z .407 .407 0 %100 21 M76	6	M10	Z	1.416	1.416	0	%100
NP4B	7	MP2B		2.406	2.406	0	%100
10 MP4B Z 1.389 1.389 0 %100 11 MP1B X 2.406 2.406 0 %100 12 MP1B Z 1.389 1.389 0 %100 13 M43 X 2.453 2.453 0 %100 14 M43 Z 1.416 1.416 0 %100 15 M46 X 3.836 3.836 0 %100 16 M46 Z 2.215 2.215 0 %100 17 M51B X .706 .706 0 %100 17 M51B X .706 .706 0 %100 19 M52B X .706 .706 0 %100 20 M52B X .706 .706 0 %100 21 M76 X 0 0 0 %100 22 M76 <td< td=""><td>8</td><td>MP2B</td><td>Z</td><td>1.389</td><td>1.389</td><td>0</td><td>%100</td></td<>	8	MP2B	Z	1.389	1.389	0	%100
11 MP1B X 2.406 2.406 0 %100 12 MP1B Z 1,389 1,389 0 %100 13 M43 X 2,453 2,453 0 %100 14 M43 Z 1,416 1,416 0 %100 15 M46 X 3,836 3,836 0 %100 16 M46 Z 2,215 0 %100 17 M51B X .706 .706 0 %100 18 M51B X .706 .706 0 %100 18 M51B Z .407 .407 0 %100 20 M52B Z .407 .407 0 %100 21 M76 X 0 0 0 %100 21 M76 X 0 0 0 %100 23 M77 X .958	9	MP4B	X	2.406	2.406	0	%100
12 MP1B Z 1,389 1,389 0 %100 13 M43 X 2,453 2,453 0 %100 15 M46 X 3,836 3,836 0 %100 15 M46 X 3,836 3,836 0 %100 16 M46 Z 2,215 2,215 0 %100 17 M51B X .706 .706 0 %100 18 M51B Z .407 .407 0 %100 19 M52B X .706 .706 0 %100 20 M52B Z .407 .407 0 %100 21 M76 X 0 0 0 %100 22 M76 Z 0 0 0 %100 23 M77 X .958 .958 .958 0 %100 25 M80	10	MP4B	Z	1.389	1.389	0	%100
13 M43 X 2.453 2.453 0 %100 14 M43 Z 1.416 1.416 0 %100 15 M46 X 3.836 3.836 0 %100 16 M46 Z 2.215 2.215 0 %100 16 M46 Z 2.215 2.215 0 %100 17 M51B X .706 .706 0 %100 18 M51B X .706 .706 0 %100 19 M52B X .706 .706 0 %100 20 M52B Z .407 .407 0 %100 21 M76 X 0 0 0 %100 22 M76 Z 0 0 0 %100 23 M77 X .958 .958 0 %100 24 M77 Z	11	MP1B	X	2.406	2.406	0	%100
13 M43 X 2.453 2.453 0 %100 14 M43 Z 1.416 1.416 0 %100 15 M46 X 3.836 3.836 0 %100 16 M46 Z 2.215 2.215 0 %100 17 M51B X .706 .706 0 %100 18 M51B X .706 .706 0 %100 19 M52B X .706 .706 0 %100 20 M52B Z .407 .407 0 %100 20 M52B Z .407 .407 0 %100 21 M76 X 0 0 0 %100 22 M76 Z 0 0 0 %100 23 M77 X .958 .958 0 %100 24 M77 Z	12	MP1B	Z	1.389	1.389	0	%100
14 M43 Z 1.416 1.416 0 %100 15 M46 X 3.836 3.836 0 %100 16 M46 Z 2.215 0 %100 17 M51B X .706 .706 0 %100 18 M51B Z .407 .407 0 %100 19 M52B X .706 .706 0 %100 20 M52B Z .407 .407 0 %100 21 M76 X 0 0 0 %100 21 M76 X 0 0 0 %100 22 M76 Z 0 0 0 %100 24 M77 Z .553 .553 0 %100 25 M80 X .999 .999 0 %100 26 M80 X .999 .999	13	M43	X			0	%100
15 M46 X 3.836 3.836 0 %100 16 M46 Z 2.215 2.215 0 %100 17 M51B X .706 .706 0 %100 18 M51B Z .407 .407 0 %100 19 M52B X .706 .706 0 %100 20 M52B Z .407 .407 0 %100 20 M52B Z .407 .407 0 %100 21 M76 X 0 0 0 %100 22 M76 Z 0 0 0 %100 23 M77 X .958 .958 0 %100 24 M77 Z .553 .553 0 %100 24 M77 Z .553 .557 .577 0 %100 26 M80	14					0	
16 M46 Z 2.215 2.215 0 %100 17 M51B X .706 .706 0 %100 18 M51B Z .407 .407 0 %100 19 M52B X .706 .706 0 %100 20 M52B Z .407 .407 0 %100 21 M76 X 0 0 0 %100 21 M76 X 0 0 0 %100 23 M77 X .958 .958 0 %100 23 M77 X .958 .958 0 %100 24 M77 Z .553 .553 .0 %100 25 M80 X .999 .999 0 %100 26 M80 Z .577 .577 0 %100 28 M84 X	15		X			0	
17 M51B X .706 .706 0 %100 18 M51B Z .407 .407 0 %100 19 M52B X .706 .706 0 %100 20 M52B Z .407 .407 0 %100 21 M76 X 0 0 0 %100 21 M76 X 0 0 0 %100 22 M76 Z 0 0 0 %100 23 M77 X .958 .958 0 %100 23 M77 X .958 .958 .958 0 %100 24 M77 Z .553 .553 0 %100 %100 25 M80 X .999 .999 0 %100 %100 27 M84 X 0 0 0 %100 %100			Z	2.215			
18 M51B Z .407 .407 0 %100 19 M52B X .706 .706 0 %100 20 M52B Z .407 .407 0 %100 21 M76 X 0 0 0 %100 22 M76 Z 0 0 0 %100 23 M77 X .958 .958 0 %100 24 M77 Z .553 .553 0 %100 25 M80 X .999 .999 0 %100 26 M80 Z .577 .577 0 %100 27 M84 X 0 0 0 %100 28 M84 Z 0 0 0 %100 29 M85 X .958 .958 .958 0 %100 31 M91 X			X			0	
19 M52B X .706 .706 0 %100 20 M52B Z .407 .407 0 %100 21 M76 X 0 0 0 %100 22 M76 Z 0 0 0 %100 23 M77 X .958 .958 0 %100 24 M77 Z .553 .553 0 %100 25 M80 X .999 .999 0 %100 26 M80 Z .577 .577 0 %100 26 M80 Z .577 .577 0 %100 28 M84 X 0 0 0 %100 28 M84 Z 0 0 %100 30 M85 X .958 .958 0 %100 31 M91 X .999 .999				.407			
20 M52B Z .407 .407 0 %100 21 M76 X 0 0 0 %100 22 M76 Z 0 0 0 %100 23 M77 X .958 .958 0 %100 24 M77 Z .553 .553 0 %100 25 M80 X .999 .999 0 %100 26 M80 Z .577 .577 0 %100 27 M84 X 0 0 0 %100 28 M84 Z 0 0 0 %100 29 M85 X .958 .958 0 %100 30 M85 Z .553 .553 0 %100 31 M91 X .999 .999 0 %100 32 M91 Z .577							
21 M76 X 0 0 0 %100 22 M76 Z 0 0 0 %100 23 M77 X .958 .958 0 %100 24 M77 Z .553 .553 0 %100 25 M80 X .999 .999 0 %100 26 M80 Z .577 .577 0 %100 27 M84 X 0 0 0 %100 28 M84 Z 0 0 0 %100 29 M85 X .958 .958 0 %100 29 M85 X .958 .958 0 %100 31 M91 X .999 .999 0 %100 32 M91 Z .577 .577 0 %100 33 M52A X 2.259			Z				
22 M76 Z 0 0 %100 23 M77 X .958 .958 0 %100 24 M77 Z .553 .553 0 %100 25 M80 X .999 .999 0 %100 26 M80 Z .577 .577 0 %100 26 M80 Z .577 .577 0 %100 26 M84 X 0 0 0 %100 28 M84 X 0 0 0 %100 28 M84 Z 0 0 0 %100 29 M85 X .958 .958 .958 0 %100 30 M85 Z .553 .553 .0 %100 31 M91 X .999 .999 0 %100 32 M91 Z .577							
23 M77 X .958 .958 0 %100 24 M77 Z .553 .553 0 %100 25 M80 X .999 .999 0 %100 26 M80 Z .577 .577 0 %100 27 M84 X 0 0 0 %100 28 M84 X 0 0 0 %100 28 M84 Z 0 0 0 %100 29 M85 X .958 .958 0 %100 30 M85 Z .553 .553 0 %100 31 M91 X .999 .999 0 %100 32 M91 Z .577 .577 0 %100 34 M52A X 2.259 2.259 0 %100 34 M52A X .613						0	
24 M77 Z .553 .553 0 %100 25 M80 X .999 .999 0 %100 26 M80 Z .577 .577 0 %100 27 M84 X 0 0 0 %100 28 M84 Z 0 0 0 %100 29 M85 X .958 .958 0 %100 29 M85 X .958 .958 0 %100 30 M85 Z .553 .553 0 %100 31 M91 X .999 .999 0 %100 32 M91 Z .577 .577 0 %100 33 M52A X 2.259 2.259 0 %100 34 M52A Z 1.304 1.304 0 %100 35 M53 X .			X			0	
25 M80 X .999 .999 0 %100 26 M80 Z .577 .577 0 %100 27 M84 X 0 0 0 %100 28 M84 Z 0 0 0 %100 29 M85 X .958 .958 0 %100 30 M85 Z .553 .553 0 %100 31 M91 X .999 .999 0 %100 32 M91 Z .577 .577 0 %100 33 M52A X 2.259 2.259 0 %100 34 M52A X 2.259 2.259 0 %100 35 M53 X .613 .613 0 %100 35 M53 X .613 .613 0 %100 36 M53 Z .						_	
26 M80 Z .577 .577 0 %100 27 M84 X 0 0 0 %100 28 M84 Z 0 0 0 %100 29 M85 X .958 .958 0 %100 30 M85 Z .553 .553 0 %100 31 M91 X .999 .999 0 %100 32 M91 Z .577 .577 0 %100 33 M52A X 2.259 2.259 0 %100 34 M52A X 2.259 2.259 0 %100 35 M53 X .613 .613 0 %100 36 M53 X .613 .354 .0 %100 38 M54 X .613 .613 0 %100 39 M55 X						-	
27 M84 X 0 0 0 %100 28 M84 Z 0 0 0 %100 29 M85 X .958 .958 0 %100 30 M85 Z .553 .553 0 %100 31 M91 X .999 .999 0 %100 32 M91 Z .577 .577 0 %100 33 M52A X 2.259 2.259 0 %100 34 M52A X 2.259 2.259 0 %100 35 M53 X .613 .613 0 %100 36 M53 Z .354 .354 0 %100 37 M54 X .613 .613 0 %100 38 M54 Z .354 .354 0 %100 39 M55 X .							
28 M84 Z 0 0 %100 29 M85 X .958 .958 0 %100 30 M85 Z .553 .553 0 %100 31 M91 X .999 .999 0 %100 32 M91 Z .577 .577 0 %100 33 M52A X 2.259 2.259 0 %100 34 M52A Z 1.304 1.304 0 %100 35 M53 X .613 .613 0 %100 36 M53 Z .354 .354 0 %100 37 M54 X .613 .613 0 %100 38 M54 Z .354 .354 0 %100 39 M55 X .959 .959 0 %100 40 M58A X .706							
29 M85 X .958 .958 0 %100 30 M85 Z .553 .553 0 %100 31 M91 X .999 .999 0 %100 32 M91 Z .577 .577 0 %100 33 M52A X 2.259 2.259 0 %100 34 M52A Z 1.304 1.304 0 %100 35 M53 X .613 .613 0 %100 36 M53 Z .354 .354 0 %100 37 M54 X .613 .613 0 %100 38 M54 Z .354 .354 0 %100 39 M55 X .959 .959 0 %100 40 M58A X .706 .706 0 %100 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
30 M85 Z .553 .553 0 %100 31 M91 X .999 .999 0 %100 32 M91 Z .577 .577 0 %100 33 M52A X 2.259 2.259 0 %100 34 M52A Z 1.304 1.304 0 %100 35 M53 X .613 .613 0 %100 36 M53 Z .354 .354 0 %100 37 M54 X .613 .613 0 %100 38 M54 Z .354 .354 0 %100 39 M55 X .959 .959 0 %100 40 M55 Z .554 .554 0 %100 41 M58A X .706 .706 0 %100 <td></td> <td></td> <td>X</td> <td></td> <td></td> <td>0</td> <td></td>			X			0	
31 M91 X .999 .999 0 %100 32 M91 Z .577 .577 0 %100 33 M52A X 2.259 2.259 0 %100 34 M52A Z 1.304 1.304 0 %100 35 M53 X .613 .613 0 %100 36 M53 Z .354 .354 0 %100 37 M54 X .613 .613 0 %100 38 M54 Z .354 .354 0 %100 39 M55 X .959 .959 0 %100 40 M55 Z .554 .554 0 %100 41 M58A X .706 .706 0 %100							
32 M91 Z .577 .577 0 %100 33 M52A X 2.259 2.259 0 %100 34 M52A Z 1.304 1.304 0 %100 35 M53 X .613 .613 0 %100 36 M53 Z .354 .354 0 %100 37 M54 X .613 .613 0 %100 38 M54 Z .354 .354 0 %100 39 M55 X .959 .959 0 %100 40 M55 Z .554 .554 0 %100 41 M58A X .706 .706 0 %100					•		
33 M52A X 2.259 2.259 0 %100 34 M52A Z 1.304 1.304 0 %100 35 M53 X .613 .613 0 %100 36 M53 Z .354 .354 0 %100 37 M54 X .613 .613 0 %100 38 M54 Z .354 .354 0 %100 39 M55 X .959 .959 0 %100 40 M55 Z .554 .554 0 %100 41 M58A X .706 .706 0 %100	32		Z		.577		
34 M52A Z 1.304 1.304 0 %100 35 M53 X .613 .613 0 %100 36 M53 Z .354 .354 0 %100 37 M54 X .613 .613 0 %100 38 M54 Z .354 .354 0 %100 39 M55 X .959 .959 0 %100 40 M55 Z .554 .554 0 %100 41 M58A X .706 .706 0 %100							
35 M53 X .613 .613 0 %100 36 M53 Z .354 .354 0 %100 37 M54 X .613 .613 0 %100 38 M54 Z .354 .354 0 %100 39 M55 X .959 .959 0 %100 40 M55 Z .554 .554 0 %100 41 M58A X .706 .706 0 %100						-	
36 M53 Z .354 .354 0 %100 37 M54 X .613 .613 0 %100 38 M54 Z .354 .354 0 %100 39 M55 X .959 .959 0 %100 40 M55 Z .554 .554 0 %100 41 M58A X .706 .706 0 %100							
37 M54 X .613 .613 0 %100 38 M54 Z .354 .354 0 %100 39 M55 X .959 .959 0 %100 40 M55 Z .554 .554 0 %100 41 M58A X .706 .706 0 %100						·	
38 M54 Z .354 .354 0 %100 39 M55 X .959 .959 0 %100 40 M55 Z .554 .554 0 %100 41 M58A X .706 .706 0 %100							
39 M55 X .959 .959 0 %100 40 M55 Z .554 .554 0 %100 41 M58A X .706 .706 0 %100			7				
40 M55 Z .554 .554 0 %100 41 M58A X .706 .706 0 %100							
41 M58A X .706 .706 0 %100							
42 M58A Z .407 .407 0 %100	42		Z				
43 M59A X 2.823 2.823 0 %100						•	

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

	Member Label	Direction	Start Magnitude[lb/ft,.	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
44	M59A	Z	1.63	1.63	0	%100
45	M63	X	2.83	2.83	0	%100
46	M63	Z	1.634	1.634	0	%100
47	M64	X	.958	.958	0	%100
48	M64	Z	.553	.553	0	%100
49	M66	X	.999	.999	0	%100
50	M66	Z	.577	.577	0	%100
51	M68	X	2.83	2.83	0	%100
52	M68	Z	1.634	1.634	0	%100
53	M69	X	3.83	3.83	0	%100
54	M69	Z	2.211	2.211	0	%100
55	M71	X	3.997	3.997	0	%100
56	M71	Z	2.308	2.308	0	%100
57	M76A	X	2.259	2.259	0	%100
58	M76A	Z	1.304	1.304	0	%100
59	M77A	X	.613	.613	0	%100
60	M77A	Z	.354	.354	0	%100
61	M78	X	.613	.613	0	%100
62	M78	Z	.354	.354	0	%100
63	M79A	X	.959	.959	0	%100
64	M79A	Z	.554	.554	0	%100
65	M82	X	2.823	2.823	0	%100
66	M82	Z	1.63	1.63	0	%100
67	M83A	X	.706	.706	0	%100
68	M83A	Z	.407	.407	0	%100
69	M87	X	2.83	2.83	0	%100
70	M87	Z	1.634	1.634	0	%100
71	M88A	X	3.83	3.83	0	%100
72	M88A	Z	2.211	2.211	0	%100
73	M90	X	3.997	3.997	0	%100
74	M90	Z	2.308	2.308	0	%100
75	M92A	X	2.83	2.83	0	%100
76	M92A	Z	1.634	1.634	0	%100
77	M93	X	.958	.958	0	%100
78	M93	Z	.553	.553	0	%100
79	M95	X	.999	.999	0	%100
80	M95	Z	.577	.577	0	%100
81	M82A	X	.746	.746	0	%100
82	M82A	Z	.431	.431	0	%100
83	M91B	X	.746	.746	0	%100
84	M91B	Z	.431	.431	0	%100
85	MP3B	X	2.406	2.406	0	%100
86	MP3B	Z	1.389	1.389	0	%100
87	MP3A	X	2.406	2.406	0	%100 %100
88	MP3A	Z	1.389	1.389	0	%100
89	MP2A	X	2.406	2.406	0	%100 %100
90	MP2A	Z	1.389	1.389	0	%100
91	MP1A	X	2.406	2.406	0	%100 %100
92	MP1A	Z	1.389	1.389	0	%100 %100
93	MP6C	X	2.406	2.406	0	%100 %100
94	MP6C	Z	1.389	1.389	0	%100
95	MP2C	X	2.406	2.406	0	%100 %100
96	MP2C	Z	1.389	1.389	0	%100 %100
97	MP5C	X	2.406	2.406	0	%100 %100
98	MP5C	Z	1.389	1.389	0	%100 %100
99	M103	X	2.205	2.205	0	%100 %100
100	M103	Z	1.273	1.273	0	%100 %100
100	IVITOO	_	1.270	1.270	· · · · · ·	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,%]
101	M104	X	2.662	2.662	0	%100
102	M104	Z	1.537	1.537	0	%100
103	M111	X	.666	.666	0	%100
104	M111	Z	.384	.384	0	%100
105	M112	Χ	.666	.666	0	%100
106	M112	Z	.384	.384	0	%100
107	M126	X	.687	.687	0	%100
108	M126	Z	.396	.396	0	%100
109	M127	X	.687	.687	0	%100
110	M127	Z	.396	.396	0	%100
111	M128	X	2.746	2.746	0	%100
112	M128	Z	1.586	1.586	0	%100
113	MP1C	X	2.406	2.406	0	%100
114	MP1C	Z	1.389	1.389	0	%100
115	M125A	X	.684	.684	0	%100
116	M125A	Z	.395	.395	0	%100
117	M126A	Х	.684	.684	0	%100
118	M126A	Z	.395	.395	0	%100
119	M131	Х	.684	.684	0	%100
120	M131	Z	.395	.395	0	%100
121	M132	Х	.684	.684	0	%100
122	M132	Z	.395	.395	0	%100
123	MP3C	X	2.406	2.406	0	%100
124	MP3C	Z	1.389	1.389	0	%100
125	M138	X	.684	.684	0	%100
126	M138	Z	.395	.395	0	%100
127	M139	X	.684	.684	0	%100
128	M139	Z	.395	.395	0	%100
129	M144	X	.684	.684	0	%100
130	M144	Z	.395	.395	0	%100
131	M145	X	.684	.684	0	%100
132	M145	Z	.395	.395	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	1.292	1.292	0	%100
2	M1	Z	2.238	2.238	0	%100
3	M4	X	.435	.435	0	%100
4	M4	Z	.753	.753	0	%100
5	M10	X	1.062	1.062	0	%100
6	M10	Z	1.84	1.84	0	%100
7	MP2B	X	1.389	1.389	0	%100
8	MP2B	Z	2.406	2.406	0	%100
9	MP4B	X	1.389	1.389	0	%100
10	MP4B	Z	2.406	2.406	0	%100
11	MP1B	X	1.389	1.389	0	%100
12	MP1B	Z	2.406	2.406	0	%100
13	M43	X	1.062	1.062	0	%100
14	M43	Z	1.84	1.84	0	%100
15	M46	X	1.661	1.661	0	%100
16	M46	Z	2.877	2.877	0	%100
17	M51B	X	1.222	1.222	0	%100
18	M51B	Z	2.117	2.117	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	.545	.545	0	%100

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

Member Label Direction Start Magnitude[Ib/ft, End Magnitude[Ib/ft,F Start Location[ft,%] 22 M76 Z .943 .943 0 23 M77 X 1.659 1.659 0 24 M77 Z 2.873 2.873 0 25 M80 X 1.731 1.731 0 26 M80 Z 2.998 2.998 0 27 M84 X .545 .545 0 28 M84 Z .943 .943 0 29 M85 X 0 0 0 30 M85 Z 0 0 0 31 M91 X 0 0 0 32 M91 Z 0 0 0 33 M52A X .435 .435 0 34 M52A Z .753 .753 .753 .0 35<	End Location[ft,%] %100
23 M77 X 1.659 0 24 M77 Z 2.873 2.873 0 25 M80 X 1.731 1.731 0 26 M80 Z 2.998 2.998 0 27 M84 X .545 .545 0 28 M84 Z .943 .943 0 29 M85 X 0 0 0 30 M85 Z 0 0 0 31 M91 X 0 0 0 32 M91 Z 0 0 0 33 M52A X .435 .435 0 34 M52A Z .753 .753 .753 0 35 M53 X 1.062 1.062 0	
24 M77 Z 2.873 2.873 0 25 M80 X 1.731 1.731 0 26 M80 Z 2.998 2.998 0 27 M84 X .545 .545 0 28 M84 Z .943 .943 0 29 M85 X 0 0 0 30 M85 Z 0 0 0 31 M91 X 0 0 0 32 M91 Z 0 0 0 33 M52A X .435 .435 0 34 M52A Z .753 .753 .753 0 35 M53 X 1.062 1.062 0	%100
25 M80 X 1.731 1.731 0 26 M80 Z 2.998 2.998 0 27 M84 X .545 .545 0 28 M84 Z .943 .943 0 29 M85 X 0 0 0 30 M85 Z 0 0 0 31 M91 X 0 0 0 32 M91 Z 0 0 0 33 M52A X .435 .435 0 34 M52A Z .753 .753 0 35 M53 X 1.062 1.062 0	%100
26 M80 Z 2.998 2.998 0 27 M84 X .545 .545 0 28 M84 Z .943 .943 0 29 M85 X 0 0 0 30 M85 Z 0 0 0 31 M91 X 0 0 0 32 M91 Z 0 0 0 33 M52A X .435 .435 0 34 M52A Z .753 .753 0 35 M53 X 1.062 1.062 0	%100
27 M84 X .545 .545 0 28 M84 Z .943 .943 0 29 M85 X 0 0 0 30 M85 Z 0 0 0 31 M91 X 0 0 0 32 M91 Z 0 0 0 33 M52A X .435 .435 0 34 M52A Z .753 .753 0 35 M53 X 1.062 1.062 0	%100
28 M84 Z .943 .943 0 29 M85 X 0 0 0 30 M85 Z 0 0 0 31 M91 X 0 0 0 32 M91 Z 0 0 0 33 M52A X .435 .435 0 34 M52A Z .753 .753 0 35 M53 X 1.062 1.062 0	%100
29 M85 X 0 0 0 30 M85 Z 0 0 0 31 M91 X 0 0 0 32 M91 Z 0 0 0 33 M52A X .435 .435 0 34 M52A Z .753 .753 0 35 M53 X 1.062 1.062 0	%100
30 M85 Z 0 0 0 31 M91 X 0 0 0 32 M91 Z 0 0 0 33 M52A X .435 .435 0 34 M52A Z .753 .753 0 35 M53 X 1.062 1.062 0	%100
31 M91 X 0 0 0 32 M91 Z 0 0 0 33 M52A X .435 .435 0 34 M52A Z .753 .753 0 35 M53 X 1.062 1.062 0	%100
32 M91 Z 0 0 0 33 M52A X .435 .435 0 34 M52A Z .753 .753 0 35 M53 X 1.062 1.062 0	%100
34 M52A Z .753 .753 0 35 M53 X 1.062 1.062 0	%100
35 M53 X 1.062 1.062 0	%100
	%100
	%100
	%100
37 M54 X 1.062 1.062 0	%100
38 M54 Z 1.84 1.84 0	%100
39 M55 X 1.661 1.661 0	%100
40 M55 Z 2.877 2.877 0	%100
41 M58A X 0 0 0	%100
42 M58A Z 0 0 0	%100
43 M59A X 1.222 1.222 0	%100
44 M59A Z 2.117 2.117 0	%100
45 M63 X .545 .545 0	%100
46 M63 Z .943 .943 0	%100
47 M64 X 0 0 0	%100
48 M64 Z 0 0 0	%100
49 M66 X 0 0 0	%100
50 M66 Z 0 0	%100
51 M68 X .545 .545 0	%100
52 M68 Z .943 .943 0	%100
53 M69 X 1.659 0	%100
54 M69 Z 2.873 2.873 0	%100
55 M71 X 1.731 1.731 0 56 M71 Z 2.998 2.998 0	%100
00 1111 2 21000 21000	%100
57 M76A X 1.739 1.739 0 58 M76A Z 3.012 3.012 0	%100
	%100 %100
59 M77A X 0 0 0 60 M77A Z 0 0 0	%100 %100
61 M78 X 0 0 0	%100 %100
62 M78 Z 0 0 0	%100 %100
63 M79A X 0 0 0	%100 %100
64 M79A Z 0 0 0	%100 %100
65 M82 X 1.222 0	%100 %100
66 M82 Z 2.117 2.117 0	%100 %100
67 M83A X 1.222 1.222 0	%100 %100
68 M83A Z 2.117 2.117 0	%100 %100
69 M87 X 2.178 2.178 0	%100 %100
70 M87 Z 3.773 3.773 0	%100 %100
71 M88A X 1.659 1.659 0	%100
72 M88A Z 2.873 2.873 0	%100
73 M90 X 1.731 1.731 0	%100
74 M90 Z 2.998 2.998 0	%100
75 M92A X 2.178 2.178 0	%100
76 M92A Z 3.773 3.773 0	%100
77 M93 X 1.659 1.659 0	%100
78 M93 Z 2.873 2.873 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,%]
79	M95	X	1.731	1.731	0	%100
80	M95	Z	2.998	2.998	0	%100
81	M82A	X	1.292	1.292	0	%100
82	M82A	Z	2.238	2.238	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	0	0	0	%100
85	MP3B	X	1.389	1.389	0	%100
86	MP3B	Z	2.406	2.406	0	%100
87	MP3A	X	1.389	1.389	0	%100
88	MP3A	Z	2.406	2.406	0	%100
89	MP2A	X	1.389	1.389	0	%100
90	MP2A	Z	2.406	2.406	0	%100
91	MP1A	Х	1.389	1.389	0	%100
92	MP1A	Z	2.406	2.406	0	%100
93	MP6C	X	1.389	1.389	0	%100
94	MP6C	Z	2.406	2.406	0	%100
95	MP2C	X	1.389	1.389	0	%100
96	MP2C	Z	2.406	2.406	0	%100
97	MP5C	X	1.389	1.389	0	%100
98	MP5C	Z	2.406	2.406	0	%100
99	M103	X	1.273	1.273	0	%100
100	M103	Z	2.205	2.205	0	%100
101	M104	X	1.153	1.153	0	%100
102	M104	Z	1.997	1.997	0	%100
103	M111	X	1.153	1.153	0	%100
104	M111	Z	1.997	1.997	0	%100
105	M112	X	0	0	0	%100
106	M112	Z	0	0	0	%100
107	M126	X	0	0	0	%100
108	M126	Z	0	0	0	%100
109	M127	X	1.189	1.189	0	%100
110	M127	Z	2.06	2.06	0	%100
111	M128	X	1.189	1.189	0	%100
112	M128	Z	2.06	2.06	0	%100
113	MP1C	X	1.389	1.389	0	%100
114	MP1C	Z	2.406	2.406	0	%100
115	M125A	X	.526	.526	0	%100
116	M125A	Z	.912	.912	0	%100 %400
117	M126A	X	.526	.526	0	%100 %100
118	M126A	Z	.912	.912	0	%100 %100
119	M131	X Z	.526	.526	0	%100 %100
120	M131		.912	.912	0	%100 %100
121	M132	X Z	.526	.526	0	%100 %100
122	M132		.912	.912	0	%100 %100
123 124	MP3C MP3C	X Z	1.389	1.389	0	%100 %100
125	M138	X	2.406 .526	2.406 .526	0	%100 %100
126	M138	Z	.912	.912	0	%100 %100
126	M139	X	.526	.526	0	%100 %100
128	M139	Z	.912	.912	0	%100 %100
129	M144	X	.526	.526	0	%100 %100
130	M144	Z	.912	.912	0	%100 %100
131	M145	X	.526	.526	0	%100 %100
132	M145	Ž	.912	.912	0	%100 %100
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Member Distributed Loads (BLC 59 : Structure Wi (180 Deg))

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,%]
1	M1	X	0	0	0	%100
2	M1	Z	.861	.861	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	2.608	2.608	0	%100
5	M10	X	0	0	0	%100
6	M10	Ž	.708	.708	0	%100
7	MP2B	X	0	0	0	%100 %100
8	MP2B	Z	2.778	2.778	0	%100 %100
9		X				
	MP4B		0 770	0	0	%100 %100
10	MP4B	Z	2.778	2.778	0	%100
11	MP1B	X	0	0	0	%100
12	MP1B	Z	2.778	2.778	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	.708	.708	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	1.107	1.107	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	3.26	3.26	0	%100
19	M52B	X	0	0	0	%100 %100
20	M52B	Z	.815	.815	0	%100 %100
				.813		
21	M76	X	0	-	0	%100
22	M76	Z	3.268	3.268	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	4.423	4.423	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	4.616	4.616	0	%100
27	M84	X	0	0	0	%100
28	M84	Z	3.268	3.268	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	1.106	1.106	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	1.154	1.154	0	%100 %100
33	M52A	X	0	0	0	%100 %100
34	M52A	Z	0	0	0	%100 %100
35	M53	X	0	0	0	%100
36	M53	Z	2.832	2.832	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	2.832	2.832	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	4.429	4.429	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	.815	.815	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	.815	.815	0	%100 %100
45	M63	X	0	0	0	%100 %100
46	M63	Z	0	0	0	%100 %100
47	M64	X	0	0	0	%100
48	M64	Z	1.106	1.106	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	1.154	1.154	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	1.106	1.106	0	%100
55	M71	X	0	0	0	%100 %100
56	M71	Z	1.154	1.154	0	%100 %100
57	M76A	X	0	0	0	%100 %100
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Member Distributed Loads (BLC 59 : Structure Wi (180 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
58	M76A	Z	2.608	2.608	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	.708	.708	0	%100
61	M78	X	0	0	0	%100
62	M78	Z	.708	.708	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	1.107	1.107	0	%100
65	M82	X	0	0	0	%100
66	M82	Z	.815	.815	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	3.26	3.26	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	3.268	3.268	0	%100
71	M88A	Х	0	0	0	%100
72	M88A	Z	1.106	1.106	0	%100
73	M90	Х	0	0	0	%100
74	M90	Z	1.154	1.154	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Z	3.268	3.268	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	4.423	4.423	0	%100
79	M95	X	0	0	0	%100
80	M95	Z	4.616	4.616	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	3.445	3.445	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	.861	.861	0	%100
85	MP3B	X	0	0	0	%100
86	MP3B	Ž	2.778	2.778	0	%100
87	MP3A	X	0	0	0	%100
88	MP3A	Z	2.778	2.778	0	%100
89	MP2A	X	0	0	0	%100
90	MP2A	Z	2.778	2.778	0	%100
91	MP1A	X	0	0	0	%100
92	MP1A	Z	2.778	2.778	0	%100
93	MP6C	X	0	0	0	%100
94	MP6C	Z	2.778	2.778	0	%100 %100
95	MP2C	X	0	0	0	%100 %100
96	MP2C	Z	2.778	2.778	0	%100
97	MP5C	X	0	0	0	%100 %100
98	MP5C	Z	2.778	2.778	0	%100
99	M103	X	0	0	0	%100 %100
100	M103	Z	2.546	2.546	0	%100
101	M104	X	0	0	0	%100 %100
102	M104	Z	.769	.769	0	%100 %100
103	M111	X	0	0	0	%100 %100
104	M111	Z	3.074	3.074	0	%100 %100
105	M112	X	0	0	0	%100 %100
106	M112	Z	.769	.769	0	%100 %100
107	M126	X	0	0	0	%100 %100
108	M126	Z	.793	.793	0	%100 %100
109	M127	X	0	0	0	%100 %100
110	M127	Z	3.171	3.171	0	%100 %100
111	M128	X	0	0	0	%100 %100
112	M128	Z	.793	.793	0	
113	MP1C				0	%100 %100
		X	0 2 779	0 779		
114	MP1C	Z	2.778	2.778	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
115	M125A	X	0	0	0	%100
116	M125A	Z	.79	.79	0	%100
117	M126A	X	0	0	0	%100
118	M126A	Z	.79	.79	0	%100
119	M131	X	0	0	0	%100
120	M131	Z	.79	.79	0	%100
121	M132	X	0	0	0	%100
122	M132	Z	.79	.79	0	%100
123	MP3C	X	0	0	0	%100
124	MP3C	Z	2.778	2.778	0	%100
125	M138	X	0	0	0	%100
126	M138	Z	.79	.79	0	%100
127	M139	X	0	0	0	%100
128	M139	Z	.79	.79	0	%100
129	M144	X	0	0	0	%100
130	M144	Z	.79	.79	0	%100
131	M145	X	0	0	0	%100
132	M145	Z	.79	.79	0	%100

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

	Member Label		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	-1.739	-1.739	0	%100
4	M4	Z	3.012	3.012	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP2B	X	-1.389	-1.389	0	%100
8	MP2B	Z	2.406	2.406	0	%100
9	MP4B	X	-1.389	-1.389	0	%100
10	MP4B	Z	2.406	2.406	0	%100
11	MP1B	X	-1.389	-1.389	0	%100
12	MP1B	Z	2.406	2.406	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	0	0	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	0	0	0	%100
17	M51B	X	-1.222	-1.222	0	%100
18	M51B	Z	2.117	2.117	0	%100
19	M52B	X	-1.222	-1.222	0	%100
20	M52B	Z	2.117	2.117	0	%100
21	M76	X	-2.178	-2.178	0	%100
22	M76	Z	3.773	3.773	0	%100
23	M77	X	-1.659	-1.659	0	%100
24	M77	Z	2.873	2.873	0	%100
25	M80	X	-1.731	-1.731	0	%100
26	M80	Z	2.998	2.998	0	%100
27	M84	X	-2.178	-2.178	0	%100
28	M84	Z	3.773	3.773	0	%100
29	M85	Χ	-1.659	-1.659	0	%100
30	M85	Z	2.873	2.873	0	%100
31	M91	Χ	-1.731	-1.731	0	%100
32	M91	Z	2.998	2.998	0	%100
33	M52A	X	435	435	0	%100
34	M52A	Z	.753	.753	0	%100
35	M53	X	-1.062	-1.062	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,%]
36	M53	Z	1.84	1.84	0	%100
37	M54	X	-1.062	-1.062	0	%100
38	M54	Z	1.84	1.84	0	%100
39	M55	X	-1.661	-1.661	0	%100
40	M55	Z	2.877	2.877	0	%100
41	M58A	X	-1.222	-1.222	0	%100
42	M58A	Z	2.117	2.117	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	0	0	0	%100
45	M63	X	545	545	0	%100
46	M63	Z	.943	.943	0	%100
47	M64	X	-1.659	-1.659	0	%100
48	M64	Z	2.873	2.873	0	%100
49	M66	X	-1.731	-1.731	0	%100
50	M66	Z	2.998	2.998	0	%100
51	M68	X	545	545	0	%100
52	M68	Z	.943	.943	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	0	0	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	0	0	0	%100
57	M76A	Х	435	435	0	%100
58	M76A	Z	.753	.753	0	%100
59	M77A	X	-1.062	-1.062	0	%100
60	M77A	Z	1.84	1.84	0	%100
61	M78	X	-1.062	-1.062	0	%100
62	M78	Z	1.84	1.84	0	%100
63	M79A	X	-1.661	-1.661	0	%100
64	M79A	Z	2.877	2.877	0	%100
65	M82	X	0	0	0	%100
66	M82	Z	0	0	0	%100
67	M83A	X	-1.222	-1.222	0	%100
68	M83A	Z	2.117	2.117	0	%100
69	M87	X	545	545	0	%100
70	M87	Z	.943	.943	0	%100
71	M88A	X	0	0	0	%100
72	M88A	Z	0	0	0	%100
73	M90	X	0	0	0	%100
74	M90	Z	0	0	0	%100
75	M92A	X	545	545	0	%100
76	M92A	Ž	.943	.943	0	%100
77	M93	X	-1.659	-1.659	0	%100
78	M93	Ž	2.873	2.873	0	%100
79	M95	X	-1.731	-1.731	0	%100
80	M95	Z	2.998	2.998	0	%100
81	M82A	X	-1.292	-1.292	0	%100
82	M82A	Z	2.238	2.238	0	%100
83	M91B	X	-1.292	-1.292	0	%100 %100
84	M91B	Z	2.238	2.238	0	%100
85	MP3B	X	-1.389	-1.389	0	%100
86	MP3B	Z	2.406	2.406	0	%100
87	MP3A	X	-1.389	-1.389	0	%100 %100
88	MP3A	Z	2.406	2.406	0	%100 %100
89	MP2A	X	-1.389	-1.389	0	%100 %100
90	MP2A	Z	2.406	2.406	0	%100 %100
91	MP1A	X	-1.389	-1.389	0	%100 %100
92	MP1A	Z	2.406	2.406	0	%100 %100
V2	IVII 17 (<u>_</u>	2.700	2.700	· · · · · ·	70100



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,%]
93	MP6C	X	-1.389	-1.389	0	%100
94	MP6C	Z	2.406	2.406	0	%100
95	MP2C	X	-1.389	-1.389	0	%100
96	MP2C	Z	2.406	2.406	0	%100
97	MP5C	X	-1.389	-1.389	0	%100
98	MP5C	Z	2.406	2.406	0	%100
99	M103	X	-1.273	-1.273	0	%100
100	M103	Z	2.205	2.205	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	0	0	0	%100
103	M111	X	-1.153	-1.153	0	%100
104	M111	Z	1.997	1.997	0	%100
105	M112	X	-1.153	-1.153	0	%100
106	M112	Z	1.997	1.997	0	%100
107	M126	X	-1.189	-1.189	0	%100
108	M126	Z	2.06	2.06	0	%100
109	M127	X	-1.189	-1.189	0	%100
110	M127	Z	2.06	2.06	0	%100
111	M128	X	0	0	0	%100
112	M128	Z	0	0	0	%100
113	MP1C	X	-1.389	-1.389	0	%100
114	MP1C	Z	2.406	2.406	0	%100
115	M125A	X	132	132	0	%100
116	M125A	Z	.228	.228	0	%100
117	M126A	X	132	132	0	%100
118	M126A	Z	.228	.228	0	%100
119	M131	X	132	132	0	%100
120	M131	Z	.228	.228	0	%100
121	M132	X	132	132	0	%100
122	M132	Z	.228	.228	0	%100
123	MP3C	X	-1.389	-1.389	0	%100
124	MP3C	Z	2.406	2.406	0	%100
125	M138	X	132	132	0	%100
126	M138	Z	.228	.228	0	%100
127	M139	X	132	132	0	%100
128	M139	Z	.228	.228	0	%100
129	M144	X	132	132	0	%100
130	M144	Z	.228	.228	0	%100
131	M145	X	132	132	0	%100
132	M145	Z	.228	.228	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	746	746	0	%100
2	M1	Z	.431	.431	0	%100
3	M4	X	-2.259	-2.259	0	%100
4	M4	Z	1.304	1.304	0	%100
5	M10	X	613	613	0	%100
6	M10	Z	.354	.354	0	%100
7	MP2B	X	-2.406	-2.406	0	%100
8	MP2B	Z	1.389	1.389	0	%100
9	MP4B	X	-2.406	-2.406	0	%100
10	MP4B	Z	1.389	1.389	0	%100
11	MP1B	X	-2.406	-2.406	0	%100
12	MP1B	Z	1.389	1.389	0	%100
13	M43	X	613	613	0	%100

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

Member Label Direction Start Magnitude[lb/ft, End Magnitude[lb/ft,F Start Location[ft,%] 14 M43 Z .354 .354 0 15 M46 X 959 959 0 16 M46 Z .554 .554 0 17 M51B X 706 706 0 18 M51B Z .407 .407 0 19 M52B X -2.823 -2.823 0 20 M52B Z 1.63 1.63 0 21 M76 X -2.83 -2.83 0 22 M76 Z 1.634 1.634 0 23 M77 X 958 958 0 24 M77 Z .553 .553 0 25 M80 X 999 999 0 26 M80 Z .577 .577 .577 0	End Location[ft,%] %100 %100 %100 %100 %100 %100 %100 %100 %100 %100 %100
15 M46 X 959 959 0 16 M46 Z .554 .554 0 17 M51B X 706 706 0 18 M51B Z .407 .407 0 19 M52B X -2.823 -2.823 0 20 M52B Z 1.63 1.63 0 21 M76 X -2.83 -2.83 0 22 M76 Z 1.634 1.634 0 23 M77 X 958 958 0 24 M77 Z .553 .553 0 25 M80 X 999 999 0 26 M80 Z .577 .577 0 27 M84 X -2.83 -2.83 0 28 M84 Z 1.634 1.634 0 29 M85 X -3.83 -3.83 0	%100 %100 %100 %100 %100 %100 %100 %100
16 M46 Z .554 .554 0 17 M51B X 706 706 0 18 M51B Z .407 .407 0 19 M52B X -2.823 -2.823 0 20 M52B Z 1.63 1.63 0 21 M76 X -2.83 -2.83 0 22 M76 Z 1.634 1.634 0 23 M77 X 958 958 0 24 M77 Z .553 .553 0 25 M80 X 999 999 0 26 M80 Z .577 .577 0 27 M84 X -2.83 -2.83 0 28 M84 Z 1.634 1.634 0 29 M85 X -3.83 -3.83 0	%100 %100 %100 %100 %100 %100 %100 %100
17 M51B X 706 706 0 18 M51B Z .407 .407 0 19 M52B X -2.823 -2.823 0 20 M52B Z 1.63 1.63 0 21 M76 X -2.83 -2.83 0 22 M76 Z 1.634 1.634 0 23 M77 X 958 958 0 24 M77 Z .553 .553 0 25 M80 X 999 999 0 26 M80 Z .577 .577 0 27 M84 X -2.83 -2.83 0 28 M84 Z 1.634 1.634 0 29 M85 X -3.83 -3.83 0	%100 %100 %100 %100 %100 %100 %100
18 M51B Z .407 .407 0 19 M52B X -2.823 -2.823 0 20 M52B Z 1.63 1.63 0 21 M76 X -2.83 -2.83 0 22 M76 Z 1.634 1.634 0 23 M77 X 958 958 0 24 M77 Z .553 .553 0 25 M80 X 999 999 0 26 M80 Z .577 .577 0 27 M84 X -2.83 -2.83 0 28 M84 Z 1.634 1.634 0 29 M85 X -3.83 -3.83 0	%100 %100 %100 %100 %100 %100
19 M52B X -2.823 -2.823 0 20 M52B Z 1.63 1.63 0 21 M76 X -2.83 -2.83 0 22 M76 Z 1.634 1.634 0 23 M77 X 958 958 0 24 M77 Z .553 .553 0 25 M80 X 999 999 0 26 M80 Z .577 .577 0 27 M84 X -2.83 -2.83 0 28 M84 Z 1.634 1.634 0 29 M85 X -3.83 -3.83 0	%100 %100 %100 %100 %100
20 M52B Z 1.63 1.63 0 21 M76 X -2.83 -2.83 0 22 M76 Z 1.634 1.634 0 23 M77 X 958 958 0 24 M77 Z .553 .553 0 25 M80 X 999 999 0 26 M80 Z .577 .577 0 27 M84 X -2.83 -2.83 0 28 M84 Z 1.634 1.634 0 29 M85 X -3.83 -3.83 0	%100 %100 %100 %100
21 M76 X -2.83 -2.83 0 22 M76 Z 1.634 1.634 0 23 M77 X 958 958 0 24 M77 Z .553 .553 0 25 M80 X 999 999 0 26 M80 Z .577 .577 0 27 M84 X -2.83 -2.83 0 28 M84 Z 1.634 1.634 0 29 M85 X -3.83 -3.83 0	%100 %100 %100
22 M76 Z 1.634 0 23 M77 X 958 958 0 24 M77 Z .553 .553 0 25 M80 X 999 999 0 26 M80 Z .577 .577 0 27 M84 X -2.83 -2.83 0 28 M84 Z 1.634 1.634 0 29 M85 X -3.83 -3.83 0	%100 %100
23 M77 X 958 958 0 24 M77 Z .553 .553 0 25 M80 X 999 999 0 26 M80 Z .577 .577 0 27 M84 X -2.83 -2.83 0 28 M84 Z 1.634 1.634 0 29 M85 X -3.83 -3.83 0	%100
24 M77 Z .553 .553 0 25 M80 X 999 999 0 26 M80 Z .577 .577 0 27 M84 X -2.83 -2.83 0 28 M84 Z 1.634 1.634 0 29 M85 X -3.83 -3.83 0	
25 M80 X 999 999 0 26 M80 Z .577 .577 0 27 M84 X -2.83 -2.83 0 28 M84 Z 1.634 1.634 0 29 M85 X -3.83 -3.83 0	%100
27 M84 X -2.83 -2.83 0 28 M84 Z 1.634 1.634 0 29 M85 X -3.83 -3.83 0	%100
28 M84 Z 1.634 0 29 M85 X -3.83 -3.83 0	%100
28 M84 Z 1.634 0 29 M85 X -3.83 -3.83 0	%100
	%100
	%100
30 M85 Z 2.211 2.211 0	%100
31 M91 X -3.997 -3.997 0	%100
32 M91 Z 2.308 2.308 0	%100
33 M52A X -2.259 -2.259 0	%100
34 M52A Z 1.304 1.304 0	%100
35 M53 X613613 0	%100
36 M53 Z .354 .354 0	%100
37 M54 X613613 0	%100
38 M54 Z .354 .354 0	%100
39 M55 X959959 0	%100
40 M55 Z .554 .554 0	%100
41 M58A X -2.823 -2.823 0	%100
42 M58A Z 1.63 1.63 0	%100
43 M59A X706 0	%100
44 M59A Z .407 .407 0	%100
45 M63 X -2.83 -2.83 0	%100
46 M63 Z 1.634 1.634 0	%100
47 M64 X -3.83 -3.83 0 48 M64 Z 2.211 2.211 0	%100
10 11101 2 21211	%100 %100
49 M66 X -3.997 -3.997 0 50 M66 Z 2.308 2.308 0	%100
	%100 %100
51 M68 X -2.83 -2.83 0 52 M68 Z 1.634 1.634 0	%100 %100
52 M68 Z 1.634 0 53 M69 X 958 958 0	%100 %100
53 M69 X958958 0 54 M69 Z .553 .553 0	%100 %100
55 M71 X999999 0	%100 %100
56 M71 Z .577 .577 0	%100 %100
57 M76A X 0 0 0	%100 %100
58 M76A Z 0 0 0	%100 %100
59 M77A X -2.453 -2.453 0	%100 %100
60 M77A Z 1.416 1.416 0	%100 %100
61 M78 X -2.453 -2.453 0	%100 %100
62 M78 Z 1.416 1.416 0	%100 %100
63 M79A X -3.836 -3.836 0	%100
64 M79A Z 2.215 2.215 0	%100
65 M82 X706706 0	%100
66 M82 Z .407 .407 0	%100
67 M83A X706706 0	%100
68 M83A Z .407 .407 0	%100
69 M87 X 0 0 0	%100
70 M87 Z 0 0 0	%100

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

	Member Label	Direction	, 	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
71	M88A	X	958	958	0	%100
72	M88A	Z	.553	.553	0	%100
73	M90	X	999	999	0	%100
74	M90	Z	.577	.577	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	958	958	0	%100
78	M93	Z	.553	.553	0	%100
79	M95	X	999	999	0	%100
80	M95	Z	.577	.577	0	%100
81	M82A	X	746	746	0	%100
82	M82A	Z	.431	.431	0	%100
83	M91B	X	-2.983	-2.983	0	%100
84	M91B	Z	1.722	1.722	0	%100
85	MP3B	X	-2.406	-2.406	0	%100
86	MP3B	Z	1.389	1.389	0	%100
87	MP3A	X	-2.406	-2.406	0	%100
88	MP3A	Z	1.389	1.389	0	%100
89	MP2A	X	-2.406	-2.406	0	%100
90	MP2A	Z	1.389	1.389	0	%100
91	MP1A	X	-2.406	-2.406	0	%100
92	MP1A	Z	1.389	1.389	0	%100
93	MP6C	X	-2.406	-2.406	0	%100
94	MP6C	Z	1.389	1.389	0	%100
95	MP2C	X	-2.406	-2.406	0	%100
96	MP2C	Z	1.389	1.389	0	%100
97	MP5C	X	-2.406	-2.406	0	%100
98	MP5C	Z	1.389	1.389	0	%100
99	M103	X	-2.205	-2.205	0	%100
100	M103	Ž	1.273	1.273	0	%100
101	M104	X	666	666	0	%100
102	M104	Z	.384	.384	0	%100
103	M111	X	666	666	0	%100
104	M111	Ž	.384	.384	0	%100
105	M112	X	-2.662	-2.662	0	%100
106	M112	Ž	1.537	1.537	Ö	%100
107	M126	X	-2.746	-2.746	0	%100
108	M126	Z	1.586	1.586	0	%100
109	M127	X	687	687	0	%100
110	M127	Z	.396	.396	0	%100
111	M128	X	687	687	0	%100
112	M128	Z	.396	.396	0	%100
113	MP1C	X	-2.406	-2.406	0	%100
114	MP1C	Z	1.389	1.389	0	%100
115	M125A	X	0	0	0	%100 %100
116	M125A	Z	Ů Ů	0	0	%100
117	M126A	X	0	0	0	%100
118	M126A	Z	0	0	0	%100
119	M131	X	0	0	0	%100 %100
120	M131	Z	Ŏ	0	0	%100
121	M132	X	0	0	0	%100 %100
122	M132	Z	0	0	0	%100 %100
123	MP3C	X	-2.406	-2.406	0	%100 %100
124	MP3C	Z	1.389	1.389	0	%100 %100
125	M138	X	0	0	0	%100 %100
126	M138	Z	0	0	0	%100 %100
127	M139	X	0	0	0	%100 %100
141	IVI IJJ		ı <u>U</u>	. U	· •	1 /0 1 0 0

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,%]
128	M139	Z	0	0	0	%100
129	M144	X	0	0	0	%100
130	M144	Z	0	0	0	%100
131	M145	X	0	0	0	%100
132	M145	Z	0	0	0	%100

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

	Member Label	Direction		End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.584	-2.584	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	869	869	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	-2.124	-2.124	0	%100
6	M10	Z	0	0	0	%100
7	MP2B	X	-2.778	-2.778	0	%100
8	MP2B	Z	0	0	0	%100
9	MP4B	X	-2.778	-2.778	0	%100
10	MP4B	Z	0	0	0	%100
11	MP1B	X	-2.778	-2.778	0	%100
12	MP1B	Z	0	0	0	%100
13	M43	X	-2.124	-2.124	0	%100
14	M43	Z	0	0	0	%100
15	M46	X	-3.322	-3.322	0	%100
16	M46	Z	0	0	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	0	0	0	%100
19	M52B	X	-2.445	-2.445	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	-1.089	-1.089	0	%100
22	M76	Z	0	0	0	%100
23	M77	Х	0	0	0	%100
24	M77	Z	0	0	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	0	0	0	%100
27	M84	X	-1.089	-1.089	0	%100
28	M84	Z	0	0	0	%100
29	M85	Х	-3.317	-3.317	0	%100
30	M85	Z	0	0	0	%100
31	M91	Х	-3.462	-3.462	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	-3.478	-3.478	0	%100
34	M52A	Z	0	0	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	-2.445	-2.445	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	-2.445	-2.445	0	%100
44	M59A	Z	0	0	0	%100
45	M63	Х	-4.357	-4.357	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	-3.317	-3.317	0	%100
48	M64	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
49	M66	X	-3.462	-3.462	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	-4.357	-4.357	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	-3.317	-3.317	0	%100
54	M69	Z	0	0	0	%100
55	M71	X	-3.462	-3.462	0	%100
56	M71	Z	0	0	0	%100
57	M76A	X	869	869	0	%100
58	M76A	Z	0	0	0	%100
59	M77A	X	-2.124	-2.124	0	%100
60	M77A	Z	0	0	0	%100
61	M78	Х	-2.124	-2.124	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	-3.322	-3.322	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	-2.445	-2.445	0	%100
66	M82	Ž	0	0	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	0	0	0	%100
69	M87	X	-1.089	-1.089	0	%100 %100
70	M87	Z	0	0	0	%100 %100
71	M88A	X	-3.317	-3.317	0	%100 %100
72	M88A	Ž	0	0	0	%100 %100
73	M90	X	-3.462	-3.462	0	%100 %100
74	M90	Z	0	0	0	%100 %100
75	M92A	X	-1.089	-1.089	0	%100 %100
76	M92A	Z	0	0	0	%100 %100
77	M93	X	0	0	0	%100 %100
78	M93	Z	0	0	0	%100 %100
79	M95	X	0	0	0	%100 %100
80	M95	Z	0	0	0	%100 %100
81	M82A	X	0	0	0	%100 %100
82	M82A	Z	0	0	0	%100 %100
83	M91B	X	-2.584	-2.584	0	%100 %100
84	M91B	Z	-2.304	-2.564	0	%100 %100
			•	•		
85	MP3B	X Z	-2.778	-2.778	0	%100 %100
86	MP3B		0 779	0 770	0	%100 %100
87	MP3A	X Z	-2.778	-2.778	0	%100 %100
88	MP3A		0 779	0 779	0	%100 %100
89	MP2A	X	-2.778	-2.778	0	%100 %100
90	MP2A	Z	0 770	0 770	0	%100 %100
91	MP1A	X	-2.778	-2.778	0	%100
92	MP1A	Z	0 770	0 770	0	%100 %400
93	MP6C	X	-2.778	-2.778	0	%100
94	MP6C	Z	0 770	0 770	0	%100
95	MP2C	X	-2.778	-2.778	0	%100
96	MP2C	Z	0	0	0	%100
97	MP5C	X	-2.778	-2.778	0	%100
98	MP5C	Z	0	0	0	%100
99	M103	X	-2.546	-2.546	0	%100
100	M103	Z	0	0	0	%100
101	M104	X	-2.306	-2.306	0	%100
102	M104	Z	0	0	0	%100
103	<u>M111</u>	X	0	0	0	%100
104	M111	Z	0	0	0	%100
105	M112	X	-2.306	-2.306	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,%]
106	M112	Z	0	0	0	%100
107	M126	X	-2.378	-2.378	0	%100
108	M126	Z	0	0	0	%100
109	M127	X	0	0	0	%100
110	M127	Z	0	0	0	%100
111	M128	X	-2.378	-2.378	0	%100
112	M128	Z	0	0	0	%100
113	MP1C	X	-2.778	-2.778	0	%100
114	MP1C	Z	0	0	0	%100
115	M125A	X	263	263	0	%100
116	M125A	Z	0	0	0	%100
117	M126A	X	263	263	0	%100
118	M126A	Z	0	0	0	%100
119	M131	X	263	263	0	%100
120	M131	Z	0	0	0	%100
121	M132	X	263	263	0	%100
122	M132	Z	0	0	0	%100
123	MP3C	X	-2.778	-2.778	0	%100
124	MP3C	Z	0	0	0	%100
125	M138	X	263	263	0	%100
126	M138	Z	0	0	0	%100
127	M139	X	263	263	0	%100
128	M139	Z	0	0	0	%100
129	M144	X	263	263	0	%100
130	M144	Z	0	0	0	%100
131	M145	Χ	263	263	0	%100
132	M145	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.983	-2.983	0	%100
2	M1	Z	-1.722	-1.722	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	-2.453	-2.453	0	%100
6	M10	Z	-1.416	-1.416	0	%100
7	MP2B	X	-2.406	-2.406	0	%100
8	MP2B	Z	-1.389	-1.389	0	%100
9	MP4B	X	-2.406	-2.406	0	%100
10	MP4B	Z	-1.389	-1.389	0	%100
11	MP1B	X	-2.406	-2.406	0	%100
12	MP1B	Z	-1.389	-1.389	0	%100
13	M43	X	-2.453	-2.453	0	%100
14	M43	Z	-1.416	-1.416	0	%100
15	M46	X	-3.836	-3.836	0	%100
16	M46	Z	-2.215	-2.215	0	%100
17	M51B	X	706	706	0	%100
18	M51B	Z	407	407	0	%100
19	M52B	X	706	706	0	%100
20	M52B	Z	407	407	0	%100
21	M76	X	0	0	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	958	958	0	%100
24	M77	Z	553	553	0	%100
25	M80	X	999	999	0	%100
26	M80	Z	577	577	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,.	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
27	M84	X	0	0	0	%100
28	M84	Z	0	0	0	%100
29	M85	X	958	958	0	%100
30	M85	Z	553	553	0	%100
31	M91	X	999	999	0	%100
32	M91	Z	577	577	0	%100
33	M52A	X	-2.259	-2.259	0	%100
34	M52A	Z	-1.304	-1.304	0	%100
35	M53	X	613	613	0	%100
36	M53	Z	354	354	0	%100
37	M54	X	613	613	0	%100
38	M54	Z	354	354	0	%100
39	M55	X	959	959	0	%100
40	M55	Z	554	554	0	%100
41	M58A	X	706	706	0	%100
42	M58A	Z	407	407	0	%100
43	M59A	X	-2.823	-2.823	0	%100
44	M59A	Z	-1.63	-1.63	0	%100
45	M63	X	-2.83	-2.83	0	%100
46	M63	Z	-1.634	-1.634	0	%100
47	M64	Х	958	958	0	%100
48	M64	Z	553	553	0	%100
49	M66	X	999	999	0	%100
50	M66	Z	577	577	0	%100
51	M68	Х	-2.83	-2.83	0	%100
52	M68	Z	-1.634	-1.634	0	%100
53	M69	X	-3.83	-3.83	0	%100
54	M69	Z	-2.211	-2.211	0	%100
55	M71	X	-3.997	-3.997	0	%100
56	M71	Z	-2.308	-2.308	0	%100
57	M76A	X	-2.259	-2.259	0	%100
58	M76A	Z	-1.304	-1.304	0	%100
59	M77A	X	613	613	0	%100
60	M77A	Z	354	354	0	%100
61	M78	Х	613	613	0	%100
62	M78	Z	354	354	0	%100
63	M79A	X	959	959	0	%100
64	M79A	Z	554	554	0	%100
65	M82	Х	-2.823	-2.823	0	%100
66	M82	Z	-1.63	-1.63	0	%100
67	M83A	X	706	706	0	%100
68	M83A	Z	407	407	0	%100
69	M87	X	-2.83	-2.83	0	%100
70	M87	Z	-1.634	-1.634	0	%100
71	M88A	X	-3.83	-3.83	0	%100
72	M88A	Z	-2.211	-2.211	0	%100
73	M90	X	-3.997	-3.997	0	%100
74	M90	Z	-2.308	-2.308	0	%100
75	M92A	X	-2.83	-2.83	0	%100
76	M92A	Z	-1.634	-1.634	0	%100
77	M93	X	958	958	0	%100
78	M93	Z	553	553	0	%100
79	M95	X	999	999	0	%100
80	M95	Z	577	577	0	%100
81	M82A	X	746	746	0	%100
82	M82A	Ž	431	431	0	%100
83	M91B	X	746	746	0	%100
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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,%]
84	M91B	Z	431	431	0	%100
85	MP3B	X	-2.406	-2.406	0	%100
86	MP3B	Z	-1.389	-1.389	0	%100
87	MP3A	X	-2.406	-2.406	0	%100
88	MP3A	Z	-1.389	-1.389	0	%100
89	MP2A	X	-2.406	-2.406	0	%100
90	MP2A	Z	-1.389	-1.389	0	%100
91	MP1A	X	-2.406	-2.406	0	%100
92	MP1A	Z	-1.389	-1.389	0	%100
93	MP6C	X	-2.406	-2.406	0	%100
94	MP6C	Z	-1.389	-1.389	0	%100
95	MP2C	X	-2.406	-2.406	0	%100
96	MP2C	Z	-1.389	-1.389	0	%100
97	MP5C	X	-2.406	-2.406	0	%100
98	MP5C	Z	-1.389	-1.389	0	%100
99	M103	X	-2.205	-2.205	0	%100
100	M103	Z	-1.273	-1.273	0	%100
101	M104	Х	-2.662	-2.662	0	%100
102	M104	Z	-1.537	-1.537	0	%100
103	M111	X	666	666	0	%100
104	M111	Z	384	384	0	%100
105	M112	Х	666	666	0	%100
106	M112	Z	384	384	0	%100
107	M126	X	687	687	0	%100
108	M126	Z	396	396	0	%100
109	M127	X	687	687	0	%100
110	M127	Z	396	396	0	%100
111	M128	X	-2.746	-2.746	0	%100
112	M128	Z	-1.586	-1.586	0	%100
113	MP1C	X	-2.406	-2.406	0	%100
114	MP1C	Z	-1.389	-1.389	0	%100
115	M125A	Х	684	684	0	%100
116	M125A	Z	395	395	0	%100
117	M126A	X	684	684	0	%100
118	M126A	Z	395	395	0	%100
119	M131	X	684	684	0	%100
120	M131	Z	395	395	0	%100
121	M132	X	684	684	0	%100
122	M132	Z	395	395	0	%100
123	MP3C	Х	-2.406	-2.406	0	%100
124	MP3C	Z	-1.389	-1.389	0	%100
125	M138	X	684	684	0	%100
126	M138	Z	395	395	0	%100
127	M139	X	684	684	0	%100
128	M139	Z	395	395	0	%100
129	M144	X	684	684	0	%100
130	M144	Z	395	395	0	%100
131	M145	X	684	684	0	%100
132	M145	Z	395	395	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.292	-1.292	0	%100
2	M1	Z	-2.238	-2.238	0	%100
3	M4	X	435	435	0	%100
4	M4	Z	753	753	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
5	M10	X	-1.062	-1.062	0	%100
6	M10	Z	-1.84	-1.84	0	%100
7	MP2B	X	-1.389	-1.389	0	%100
8	MP2B	Z	-2.406	-2.406	0	%100
9	MP4B	X	-1.389	-1.389	0	%100
10	MP4B	Z	-2.406	-2.406	0	%100
11	MP1B	X	-1.389	-1.389	0	%100
12	MP1B	Z	-2.406	-2.406	0	%100
13	M43	X	-1.062	-1.062	0	%100
14	M43	Z	-1.84	-1.84	0	%100
15	M46	X	-1.661	-1.661	0	%100
16	M46	Z	-2.877	-2.877	0	%100
17	M51B	X	-1.222	-1.222	0	%100
18	M51B	Z	-2.117	-2.117	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	545	545	0	%100
22	M76	Z	943	943	0	%100
23	M77	X	-1.659	-1.659	0	%100
24	M77	Z	-2.873	-2.873	0	%100
25	M80	Х	-1.731	-1.731	0	%100
26	M80	Z	-2.998	-2.998	0	%100
27	M84	X	545	545	0	%100
28	M84	Z	943	943	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	0	0	0	%100
32	M91	Ž	0	0	0	%100
33	M52A	X	435	435	0	%100
34	M52A	Z	753	753	Ö	%100
35	M53	X	-1.062	-1.062	0	%100
36	M53	Z	-1.84	-1.84	0	%100
37	M54	X	-1.062	-1.062	0	%100
38	M54	Z	-1.84	-1.84	0	%100
39	M55	X	-1.661	-1.661	0	%100 %100
40	M55	Z	-2.877	-2.877	0	%100
41	M58A	X	0	0	0	%100 %100
42	M58A	Z	0	0	0	%100
43	M59A	X	-1.222	-1.222	0	%100 %100
44	M59A	Z	-2.117	-2.117	0	%100 %100
45	M63	X	545	545	0	%100 %100
46	M63	Z	943	943	0	%100 %100
47	M64	X	0	0	0	%100 %100
48	M64	Z	0	0	0	%100 %100
49	M66	X	0	0	0	%100 %100
50	M66	Z	0	0	0	%100 %100
51	M68	X	545	545	0	%100 %100
52	M68	Z	943	943	0	%100 %100
53	M69	X	-1.659	-1.659	0	%100 %100
54	M69	Z	-2.873	-2.873	0	%100 %100
55	M71	X	-1.731	-1.731	0	%100 %100
56	M71	Z	-2.998	-2.998	0	%100 %100
57	M76A	X	-1.739	-1.739	0	%100 %100
58	M76A	Z	-3.012	-3.012	0	%100 %100
59	M77A	X	-3.012	-3.012	0	%100 %100
60	M77A	Z	0	0	0	%100 %100
61	M78	X	0	0	0	%100 %100
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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,%]
62	M78	Z	0	0	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	-1.222	-1.222	0	%100
66	M82	Z	-2.117	-2.117	0	%100
67	M83A	X	-1.222	-1.222	0	%100
68	M83A	Z	-2.117	-2.117	0	%100
69	M87	X	-2.178	-2.178	0	%100
70	M87	Z	-3.773	-3.773	0	%100
71	M88A	X	-1.659	-1.659	0	%100
72	M88A	Z	-2.873	-2.873	0	%100
73	M90	X	-1.731	-1.731	0	%100
74	M90	Z	-2.998	-2.998	0	%100
75	M92A	X	-2.178	-2.178	0	%100
76	M92A	Z	-3.773	-3.773	0	%100
77	M93	X	-1.659	-1.659	0	%100
78	M93	Z	-2.873	-2.873	0	%100
79	M95	X	-1.731	-1.731	0	%100
80	M95	Z	-2.998	-2.998	0	%100
81	M82A	Х	-1.292	-1.292	0	%100
82	M82A	Z	-2.238	-2.238	0	%100
83	M91B	Х	0	0	0	%100
84	M91B	Z	0	0	0	%100
85	MP3B	X	-1.389	-1.389	0	%100
86	MP3B	Z	-2.406	-2.406	0	%100
87	MP3A	X	-1.389	-1.389	0	%100
88	MP3A	Z	-2.406	-2.406	0	%100
89	MP2A	X	-1.389	-1.389	0	%100
90	MP2A	Z	-2.406	-2.406	0	%100
91	MP1A	X	-1.389	-1.389	0	%100
92	MP1A	Z	-2.406	-2.406	0	%100
93	MP6C	X	-1.389	-1.389	0	%100
94	MP6C	Z	-2.406	-2.406	0	%100
95	MP2C	X	-1.389	-1.389	0	%100
96	MP2C	Z	-2.406	-2.406	0	%100
97	MP5C	X	-1.389	-1.389	0	%100
98	MP5C	Z	-2.406	-2.406	0	%100
99	M103	X	-1.273	-1.273	0	%100
100	M103	Z	-2.205	-2.205	0	%100
101	M104	X	-1.153	-1.153	0	%100
102	M104	Ž	-1.997	-1.997	0	%100
103	M111	X	-1.153	-1.153	0	%100
104	M111	Ž	-1.997	-1.997	0	%100
105	M112	X	0	0	0	%100
106	M112	Z	Ů Ů	0	0	%100
107	M126	X	0	0	0	%100
108	M126	Ž	Ů Ů	0	0	%100
109	M127	X	-1.189	-1.189	0	%100
110	M127	Z	-2.06	-2.06	0	%100
111	M128	X	-1.189	-1.189	0	%100
112	M128	Z	-2.06	-2.06	0	%100
113	MP1C	X	-1.389	-1.389	0	%100
114	MP1C	Z	-2.406	-2.406	0	%100
115	M125A	X	526	526	0	%100 %100
116	M125A	Z	912	912	0	%100 %100
117	M126A	X	526	526	0	%100 %100
118	M126A	Z	912	912	0	%100
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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,%]
119	M131	X	526	526	0	%100
120	M131	Z	912	912	0	%100
121	M132	X	526	526	0	%100
122	M132	Z	912	912	0	%100
123	MP3C	X	-1.389	-1.389	0	%100
124	MP3C	Z	-2.406	-2.406	0	%100
125	M138	X	526	526	0	%100
126	M138	Z	912	912	0	%100
127	M139	X	526	526	0	%100
128	M139	Z	912	912	0	%100
129	M144	X	526	526	0	%100
130	M144	Z	912	912	0	%100
131	M145	X	526	526	0	%100
132	M145	Z	912	912	0	%100

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

1 M1 X 0 0 0 %100 2 M1 Z 187 0 0 %100 3 M4 X 0 0 0 %100 4 M4 Z 569 569 0 %100 5 M10 X 0 0 0 %100 6 M10 Z 161 161 0 %100 7 MP2B X 0 0 0 %100 8 MP2B Z 507 507 0 %100 9 MP4B X 0 0 0 %100 10 MP4B Z 507 507 0 %100 11 MP1B X 0 0 0 %100 12 MP1B X 0 0 0 %100 13 M43 X 0 0		Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
3				•	•	<u> </u>	
4 M4 Z 569 569 0 %100 5 M10 X 0 0 0 %100 6 M10 Z 161 161 0 %100 7 MP2B X 0 0 0 %100 8 MP2B Z 507 507 0 9400 9 MP4B X 0 0 0 %100 10 MP4B X 0 0 0 %100 11 MP1B X 0 0 0 %100 12 MP1B Z 507 507 0 %100 13 M43 X 0 0 0 %100 14 M43 Z 161 161 0 %400 15 M46 X 0 0 0 %100 16 M46 X 0 0			Z		187		
5 M10 X 0 0 % 100 6 M10 Z 161 161 0 % 100 7 MP2B X 0 0 0 % 100 8 MP2B Z 507 507 0 % 100 9 MP4B X 0 0 0 % 100 10 MP4B X 0 0 0 % 100 11 MP1B X 0 0 0 % 100 12 MP1B Z 507 507 0 % 100 12 MP1B Z 507 507 0 % 100 13 M43 X 0 0 0 % 100 14 M43 Z 161 161 0 % 100 15 M46 X 0 0 0 % 100 17 M51B X 0 0	3		X				
6 M10 Z 161 161 0 %:100 7 MP2B X 0 0 0 %:100 8 MP2B Z 507 0 %:100 9 MP4B X 0 0 0 %:100 10 MP4B X 0 0 0 %:100 11 MP1B X 0 0 0 %:100 12 MP1B X 0 0 0 %:100 13 M43 X 0 0 0 %:100 14 M43 Z 161 161 0 %:100 15 M46 X 0 0 0 %:100 16 M46 X 0 0 0 %:100 17 M5:1B X 0 0 0 %:100 18 M5:1B X 0 0 0		M4		569	569	0	
7 MP2B X 0 0 0 %100 8 MP2B Z 507 507 0 %100 10 MP4B X 0 0 0 %100 11 MP1B X 0 0 0 %100 11 MP1B X 0 0 0 %100 12 MP1B Z 507 0 %100 13 M43 X 0 0 0 %100 14 M43 X 0 0 0 %100 15 M46 X 0 0 0 %100 16 M46 X 0 0 0 %100 17 M51B X 0 0 0 %100 18 M51B Z -7711 0 %100 20 M52B X 0 0 %100 21<	5	M10				0	%100
8 MP2B Z 507 507 0 %100 9 MP4B X 0 0 0 0 %100 10 MP4B Z 507 0 %100 11 MP1B X 0 0 0 %100 11 MP1B X 0 0 0 %100 12 MP1B Z 507 507 0 %100 12 MP1B Z 507 507 0 %100 13 M43 X 0 0 0 %100 14 M43 X 0 0 0 %100 14 M43 Z 161 161 0 %100 15 M46 X 0 0 0 %100 15 M46 X 0 0 0 %100 17 M51B X 0 0 0 %100 10 10 10 10 10 10 10	6	M10	Z	161	161	0	%100
9 MP4B X 0 0 %100 10 MP4B Z 507 507 0 %100 11 MP1B X 0 0 0 %100 12 MP1B Z 507 507 0 %100 13 M43 X 0 0 0 %100 14 M43 Z 161 161 0 %100 15 M46 X 0 0 0 %100 16 M46 X 0 0 0 %100 17 M51B X 0 0 0 %100 18 M51B X 0 0 0 %100 19 M52B X 0 0 0 %100 20 M52B X 0 0 0 %100 21 M76 X 0 0 0 <t< td=""><td>7</td><td>MP2B</td><td>X</td><td>0</td><td>0</td><td>0</td><td>%100</td></t<>	7	MP2B	X	0	0	0	%100
10	8	MP2B	Z	507	507	0	%100
11 MP1B X 0 0 0 %100 12 MP1B Z 507 507 0 %100 13 M43 X 0 0 0 %100 14 M43 Z 161 161 0 %100 15 M46 X 0 0 0 %100 16 M46 Z 32 32 0 %100 16 M46 Z 32 32 0 %100 17 M51B X 0 0 0 %100 18 M51B Z 711 711 0 %100 19 M52B X 0 0 0 %100 20 M52B X 0 0 0 %100 21 M76 X 0 0 0 %100 22 M76 Z 961	9	MP4B	Х	0	0	0	%100
12 MP1B Z 507 507 0 %100 13 M43 X 0 0 0 %100 14 M43 Z 161 161 0 %100 15 M46 X 0 0 0 %100 16 M46 X 0 0 0 %100 17 M51B X 0 0 0 %100 18 M51B X 0 0 0 %100 19 M52B X 0 0 0 %100 20 M52B X 0 0 0 %100 21 M76 X 0 0 0 %100 21 M76 X 0 0 0 %100 23 M77 X 0 0 0 %100 24 M77 X 0 0 0	10	MP4B	Z	507	507	0	%100
12 MP1B Z 507 507 0 %100 13 M43 X 0 0 0 %100 14 M43 Z 161 161 0 %100 15 M46 X 0 0 0 %100 16 M46 X 0 0 0 %100 17 M51B X 0 0 0 %100 18 M51B X 0 0 0 %100 19 M52B X 0 0 0 %100 20 M52B X 0 0 0 %100 21 M76 X 0 0 0 %100 21 M76 X 0 0 0 %100 23 M77 X 0 0 0 %100 24 M77 X 0 0 0	11	MP1B	X	0	0	0	%100
13 M43 X 0 0 %100 14 M43 Z 161 161 0 %100 15 M46 X 0 0 0 %100 16 M46 Z 32 32 0 %100 17 M51B X 0 0 0 %100 18 M51B Z 711 711 0 %100 19 M52B X 0 0 0 %100 20 M52B Z 178 178 0 %100 21 M76 X 0 0 0 %100 22 M76 Z 961 961 0 %100 24 M77 X 0 0 0 %100 25 M80 X 0 0 0 %100 26 M80 X 0 0 0	12	MP1B	Z	507	507	0	
14 M43 Z 161 161 0 %100 15 M46 X 0 0 0 %100 16 M46 Z 32 32 0 %100 17 M51B X 0 0 0 %100 18 M51B Z 711 711 0 %100 19 M52B X 0 0 0 %100 20 M52B Z 178 178 0 %100 21 M76 X 0 0 0 %100 22 M76 Z 961 961 0 %100 23 M77 X 0 0 0 %100 24 M77 Z -1.305 -1.305 0 %100 25 M80 X 0 0 0 %100 26 M80 Z -1.374	13		X			0	
15 M46 X 0 0 %100 16 M46 Z 32 32 0 %100 17 M51B X 0 0 0 %100 18 M51B Z 711 711 0 %100 19 M52B X 0 0 0 %100 20 M52B Z 178 178 0 %100 21 M76 X 0 0 0 %100 22 M76 Z 961 961 0 %100 23 M77 X 0 0 0 %100 24 M77 Z -1.305 -1.305 0 %100 25 M80 X 0 0 0 %100 26 M80 Z -1.374 -1.374 0 %100 27 M84 X 0 0			Z	- 161			
16 M46 Z 32 32 0 %100 17 M51B X 0 0 0 %100 18 M51B Z 711 711 0 %100 19 M52B X 0 0 0 %100 20 M52B Z 178 178 0 %100 21 M76 X 0 0 0 %100 21 M76 X 0 0 0 %100 22 M76 Z 961 961 0 %100 24 M77 X 0 0 0 %100 24 M77 X 0 0 0 %100 25 M80 X 0 0 0 %100 26 M80 Z -1.374 -1.374 0 %100 27 M84 X 0 0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
17 M51B X 0 0 %100 18 M51B Z 711 711 0 %100 19 M52B X 0 0 0 %100 20 M52B Z 178 178 0 %100 21 M76 X 0 0 0 %100 22 M76 Z 961 961 0 %100 23 M77 X 0 0 0 %100 24 M77 Z -1.305 -1.305 0 %100 25 M80 X 0 0 0 %100 25 M80 X 0 0 %100 26 M80 Z -1.374 -1.374 0 %100 28 M84 X 0 0 0 %100 29 M85 X 0 0 0			Z				
18 M51B Z 711 711 0 %100 19 M52B X 0 0 0 %100 20 M52B Z 178 178 0 %100 21 M76 X 0 0 0 %100 22 M76 Z 961 961 0 %100 23 M77 X 0 0 0 %100 24 M77 Z -1.305 -1.305 0 %100 25 M80 X 0 0 0 %100 26 M80 Z -1.374 -1.374 0 %100 26 M80 Z -1.374 -1.374 0 %100 27 M84 X 0 0 0 %100 28 M84 Z 961 961 0 %100 30 M85 X 0<			X				
19 M52B X 0 0 0 %100 20 M52B Z 178 178 0 %100 21 M76 X 0 0 0 %100 22 M76 Z 961 961 0 %100 23 M77 X 0 0 0 %100 24 M77 Z -1.305 -1.305 0 %100 25 M80 X 0 0 0 %100 26 M80 X 0 0 0 %100 27 M84 X 0 0 0 %100 28 M84 Z 961 961 0 %100 29 M85 X 0 0 0 %100 31 M91 X 0 0 0 %100 32 M91 Z 344 344 <td></td> <td></td> <td>Z</td> <td></td> <td></td> <td></td> <td></td>			Z				
20 M52B Z 178 178 0 %100 21 M76 X 0 0 0 %100 22 M76 Z 961 961 0 %100 23 M77 X 0 0 0 %100 24 M77 Z -1.305 -1.305 0 %100 25 M80 X 0 0 0 %100 25 M80 X 0 0 0 %100 26 M80 Z -1.374 -1.374 0 %100 27 M84 X 0 0 0 %100 28 M84 Z 961 961 0 %100 29 M85 X 0 0 0 %100 30 M85 Z 326 326 0 %100 31 M91 X 0							
21 M76 X 0 0 0 %100 22 M76 Z 961 961 0 %100 23 M77 X 0 0 0 %100 24 M77 Z -1.305 -1.305 0 %100 25 M80 X 0 0 0 %100 26 M80 Z -1.374 -1.374 0 %100 26 M80 Z -1.374 -1.374 0 %100 27 M84 X 0 0 0 %100 28 M84 X 0 0 %100 %100 29 M85 X 0 0 0 %100 30 M85 X 0 0 %100 31 M91 X 0 0 %100 32 M91 X 0 0 %100 <t< td=""><td></td><td></td><td>7</td><td></td><td></td><td></td><td></td></t<>			7				
22 M76 Z 961 961 0 %100 23 M77 X 0 0 0 %100 24 M77 Z -1.305 -1.305 0 %100 25 M80 X 0 0 0 %100 26 M80 Z -1.374 -1.374 0 %100 27 M84 X 0 0 0 %100 28 M84 Z 961 961 0 %100 29 M85 X 0 0 0 %100 30 M85 Z 326 326 0 %100 31 M91 X 0 0 0 %100 32 M91 Z 344 344 0 %100 34 M52A X 0 0 0 %100 35 M53 X 0							
23 M77 X 0 0 %100 24 M77 Z -1.305 -1.305 0 %100 25 M80 X 0 0 0 %100 26 M80 Z -1.374 -1.374 0 %100 27 M84 X 0 0 0 %100 28 M84 Z 961 0 %100 29 M85 X 0 0 0 %100 30 M85 Z 326 326 0 %100 31 M91 X 0 0 0 %100 32 M91 X 0 0 0 %100 33 M52A X 0 0 0 %100 34 M52A X 0 0 0 %100 35 M53 X 0 0 0 %100			7				
24 M77 Z -1.305 -1.305 0 %100 25 M80 X 0 0 0 %100 26 M80 Z -1.374 -1.374 0 %100 27 M84 X 0 0 0 %100 28 M84 Z 961 961 0 %100 29 M85 X 0 0 0 %100 30 M85 Z 326 326 0 %100 31 M91 X 0 0 0 %100 32 M91 Z 344 344 0 %100 33 M52A X 0 0 0 %100 34 M52A Z 0 0 %100 35 M53 X 0 0 %100 36 M53 Z 642 642 0							
25 M80 X 0 0 %100 26 M80 Z -1.374 -1.374 0 %100 27 M84 X 0 0 0 %100 28 M84 Z 961 961 0 %100 29 M85 X 0 0 0 %100 30 M85 Z 326 326 0 %100 31 M91 X 0 0 0 %100 32 M91 Z 344 344 0 %100 33 M52A X 0 0 0 %100 34 M52A Z 0 0 %100 35 M53 X 0 0 %100 36 M53 Z 642 642 0 %100 37 M54 X 0 0 0 %100			Z	Ť .			
26 M80 Z -1.374 -1.374 0 %100 27 M84 X 0 0 0 %100 28 M84 Z 961 961 0 %100 29 M85 X 0 0 0 %100 30 M85 Z 326 326 0 %100 31 M91 X 0 0 0 %100 32 M91 Z 344 344 0 %100 33 M52A X 0 0 0 %100 34 M52A Z 0 0 %100 35 M53 X 0 0 %100 36 M53 Z 642 642 0 %100 37 M54 X 0 0 %100 38 M54 Z 642 642 0 %100 <							
27 M84 X 0 0 %100 28 M84 Z 961 961 0 %100 29 M85 X 0 0 0 %100 30 M85 Z 326 326 0 %100 31 M91 X 0 0 0 %100 32 M91 Z 344 344 0 %100 33 M52A X 0 0 0 %100 34 M52A Z 0 0 %100 35 M53 X 0 0 %100 36 M53 Z 642 642 0 %100 37 M54 X 0 0 0 %100 38 M54 Z 642 642 0 %100			7		-1 374		
28 M84 Z 961 961 0 %100 29 M85 X 0 0 0 %100 30 M85 Z 326 326 0 %100 31 M91 X 0 0 0 %100 32 M91 Z 344 344 0 %100 33 M52A X 0 0 0 %100 34 M52A Z 0 0 0 %100 35 M53 X 0 0 0 %100 36 M53 Z 642 642 0 %100 37 M54 X 0 0 0 %100 38 M54 Z 642 642 0 %100						 	
29 M85 X 0 0 0 %100 30 M85 Z 326 326 0 %100 31 M91 X 0 0 0 %100 32 M91 Z 344 344 0 %100 33 M52A X 0 0 0 %100 34 M52A Z 0 0 0 %100 35 M53 X 0 0 0 %100 36 M53 Z 642 642 0 %100 37 M54 X 0 0 0 %100 38 M54 Z 642 642 0 %100			7	•	- 961		
30 M85 Z 326 326 0 %100 31 M91 X 0 0 %100 32 M91 Z 344 344 0 %100 33 M52A X 0 0 0 %100 34 M52A Z 0 0 0 %100 35 M53 X 0 0 0 %100 36 M53 Z 642 642 0 %100 37 M54 X 0 0 %100 38 M54 Z 642 642 0 %100							
31 M91 X 0 0 0 %100 32 M91 Z 344 344 0 %100 33 M52A X 0 0 0 %100 34 M52A Z 0 0 0 %100 35 M53 X 0 0 0 %100 36 M53 Z 642 642 0 %100 37 M54 X 0 0 0 %100 38 M54 Z 642 642 0 %100					•		
32 M91 Z 344 344 0 %100 33 M52A X 0 0 0 %100 34 M52A Z 0 0 0 %100 35 M53 X 0 0 0 %100 36 M53 Z 642 642 0 %100 37 M54 X 0 0 0 %100 38 M54 Z 642 642 0 %100							
33 M52A X 0 0 0 %100 34 M52A Z 0 0 0 %100 35 M53 X 0 0 0 %100 36 M53 Z 642 642 0 %100 37 M54 X 0 0 0 %100 38 M54 Z 642 642 0 %100			7				
34 M52A Z 0 0 0 %100 35 M53 X 0 0 0 %100 36 M53 Z 642 642 0 %100 37 M54 X 0 0 0 %100 38 M54 Z 642 642 0 %100							
35 M53 X 0 0 %100 36 M53 Z 642 642 0 %100 37 M54 X 0 0 0 %100 38 M54 Z 642 642 0 %100			7				
36 M53 Z 642 642 0 %100 37 M54 X 0 0 0 %100 38 M54 Z 642 642 0 %100							
37 M54 X 0 0 0 %100 38 M54 Z 642 642 0 %100							
38 M54 Z642642 0 %100							
			7	Ŧ			
	39	M55	X	0	0	0	%100 %100

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

	Member Label	Direction		.End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
40	M55	Z	-1.281	-1.281	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	178	178	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	178	178	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	326	326	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	344	344	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	326	326	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	344	344	0	%100
57	M76A	X	0	0	0	%100
58	M76A	Z	569	569	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	161	161	0	%100
61	M78	X	0	0	0	%100
62	M78	Z	161	161	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	32	32	0	%100
65	M82	X	0	0	0	%100
66	M82	Z	178	178	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	711	711	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	961	961	0	%100
71	M88A	X	0	0	0	%100
72	M88A	Z	326	326	0	%100
73	M90	X	0	0	0	%100
74	M90	Z	344	344	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Z	961	961	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	-1.305	-1.305	0	%100
79	M95	X	0	0	0	%100
80	M95	Z	-1.374	-1.374	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	747	747	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	187	187	0	%100
85	MP3B	X	0	0	0	%100
86	MP3B	Z	507	507	0	%100
87	MP3A	X	0	0	0	%100
88	MP3A	Z	507	507	0	%100
89	MP2A	X	0	0	0	%100
90	MP2A	Z	507	507	0	%100
91	MP1A	X	0	0	0	%100
92	MP1A	Z	507	507	0	%100
93	MP6C	X	0	0	0	%100
94	MP6C	Z	507	507	0	%100
95	MP2C	X	0	0	0	%100
96	MP2C	Z	507	507	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,%]
97	MP5C	X	0	0	0	%100
98	MP5C	Z	507	507	0	%100
99	M103	X	0	0	0	%100
100	M103	Z	462	462	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	153	153	0	%100
103	M111	X	0	0	0	%100
104	M111	Z	614	614	0	%100
105	M112	X	0	0	0	%100
106	M112	Z	153	153	0	%100
107	M126	X	0	0	0	%100
108	M126	Z	194	194	0	%100
109	M127	X	0	0	0	%100
110	M127	Z	775	775	0	%100
111	M128	X	0	0	0	%100
112	M128	Z	194	194	0	%100
113	MP1C	X	0	0	0	%100
114	MP1C	Z	507	507	0	%100
115	M125A	X	0	0	0	%100
116	M125A	Z	069	069	0	%100
117	M126A	X	0	0	0	%100
118	M126A	Z	069	069	0	%100
119	M131	X	0	0	0	%100
120	M131	Z	069	069	0	%100
121	M132	X	0	0	0	%100
122	M132	Z	069	069	0	%100
123	MP3C	X	0	0	0	%100
124	MP3C	Z	507	507	0	%100
125	M138	X	0	0	0	%100
126	M138	Z	069	069	0	%100
127	M139	X	0	0	0	%100
128	M139	Z	069	069	0	%100
129	M144	X	0	0	0	%100
130	M144	Z	069	069	0	%100
131	M145	X	0	0	0	%100
132	M145	Z	069	069	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	.379	.379	0	%100
4	M4	Z	657	657	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP2B	X	.254	.254	0	%100
8	MP2B	Z	439	439	0	%100
9	MP4B	X	.254	.254	0	%100
10	MP4B	Z	439	439	0	%100
11	MP1B	X	.254	.254	0	%100
12	MP1B	Z	439	439	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	0	0	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	0	0	0	%100
17	M51B	X	.267	.267	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,			End Location[ft,%]
18	M51B	Z	462	462	0	%100
19	M52B	X	.267	.267	0	%100
20	M52B	Ž	462	462	0	%100
21	M76	X	.64	.64	0	%100
22	M76	Ž	-1.109	-1.109	0	%100
23	M77	X	.489	.489	0	%100
24	M77	Ž	847	847	0	%100
25	M80	X	.515	.515	0	%100
26	M80	Z	893	893	0	%100
27	M84	X	.64	.64	0	%100
28	M84	Z	-1.109	-1.109	0	%100
29	M85	X	.489	.489	0	%100
30	M85	Z	847	847	0	%100
31	M91	X	.515	.515	0	%100
32	M91	Z	893	893	0	%100
33	M52A	Х	.095	.095	0	%100
34	M52A	Z	164	164	0	%100
35	M53	X	.241	.241	0	%100
36	M53	Z	417	417	0	%100
37	M54	X	.241	.241	0	%100
38	M54	Z	417	417	0	%100
39	M55	X	.48	.48	0	%100
40	M55	Z	832	832	0	%100
41	M58A	X	.267	.267	0	%100
42	M58A	Z	462	462	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	0	0	0	%100
45	M63	X	.16	.16	0	%100
46	M63	Z	277	277	0	%100
47	M64	X	.489	.489	0	%100
48	M64	Z	847	847	0	%100
49	M66	X	.515	.515	0	%100
50	<u>M66</u>	Z	893	893	0	%100
51	M68	X	.16	.16	0	%100
52	M68	Z	277	277	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	0	0	0	%100
55	<u>M71</u>	X	0	0	0	%100
56	M71	Z	0	0	0	%100
57	M76A	X	.095	.095	0	%100 %100
58	M76A	Z	164	164	0	%100 %100
59	M77A	X	.241	.241	0	%100 %100
60	M77A	Z	417	417	0	%100 %100
61	M78	X Z	.241	.241	0	%100 %100
62	M78	X	417	417		%100 %100
63	M79A	Z	.48 832	.48 832	0	%100 %100
64	M79A					
65 66	M82 M82	X Z	0	0	0	%100 %100
67	M83A	X	.267	.267	0	%100 %100
68	M83A	Z	462	462	0	%100 %100
69	M87	X	.16	.16	0	%100 %100
70	M87	Z	277	277	0	%100 %100
71	M88A	X	0	0	0	%100 %100
72	M88A	Z	0	0	0	%100 %100
73	M90	X	0	0	0	%100 %100
74	M90	Z	0	0	0	%100 %100
74	IVIOU	_	0	U	U	70 100

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

	Member Label	Direction		End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
75	M92A	X	.16	.16	0	%100
76	M92A	Z	277	277	0	%100
77	M93	X	.489	.489	0	%100
78	M93	Z	847	847	0	%100
79	M95	X	.515	.515	0	%100
80	M95	Z	893	893	0	%100
81	M82A	X	.28	.28	0	%100
82	M82A	Z	485	485	0	%100
83	M91B	X	.28	.28	0	%100
84	M91B	Z	485	485	0	%100
85	MP3B	X	.254	.254	0	%100
86	MP3B	Z	439	439	0	%100
87	MP3A	X	.254	.254	0	%100
88	MP3A	Z	439	439	0	%100
89	MP2A	X	.254	.254	0	%100
90	MP2A	Z	439	439	0	%100
91	MP1A	X	.254	.254	0	%100
92	MP1A	Z	439	439	0	%100
93	MP6C	X	.254	.254	0	%100
94	MP6C	Z	439	439	0	%100
95	MP2C	Х	.254	.254	0	%100
96	MP2C	Z	439	439	0	%100
97	MP5C	X	.254	.254	0	%100
98	MP5C	Z	439	439	0	%100
99	M103	Х	.231	.231	0	%100
100	M103	Z	4	4	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	0	0	0	%100
103	M111	X	.23	.23	0	%100
104	M111	Z	399	399	0	%100
105	M112	X	.23	.23	0	%100
106	M112	Z	399	399	0	%100
107	M126	X	.291	.291	0	%100
108	M126	Z	503	503	0	%100
109	M127	X	.291	.291	0	%100
110	M127	Z	503	503	0	%100
111	M128	X	0	0	0	%100
112	M128	Z	0	0	0	%100
113	MP1C	X	.254	.254	0	%100
114	MP1C	Z	439	439	0	%100
115	M125A	X	.011	.011	0	%100
116	M125A	Z	02	02	0	%100
117	M126A	Х	.011	.011	0	%100
118	M126A	Z	02	02	0	%100
119	M131	X	.011	.011	0	%100
120	M131	Z	02	02	0	%100
121	M132	X	.011	.011	0	%100
122	M132	Z	02	02	0	%100
123	MP3C	X	.254	.254	0	%100
124	MP3C	Z	439	439	0	%100
125	M138	X	.011	.011	0	%100
126	M138	Z	02	02	0	%100
127	M139	X	.011	.011	0	%100
128	M139	Ž	02	02	0	%100
129	M144	X	.011	.011	0	%100
130	M144	Ž	02	02	0	%100
131	M145	X	.011	.011	0	%100
					• •	



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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
132	M145	Z	02	02	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.162	.162	0	%100
2	M1	Z	093	093	0	%100
3	M4	X	.493	.493	0	%100
4	M4	Z	285	285	0	%100
5	M10	Χ	.139	.139	0	%100
6	M10	Z	08	08	0	%100
7	MP2B	X	.439	.439	0	%100
8	MP2B	Z	254	254	0	%100
9	MP4B	X	.439	.439	0	%100
10	MP4B	Z	254	254	0	%100
11	MP1B	X	.439	.439	0	%100
12	MP1B	Ž	254	254	0	%100
13	M43	X	.139	.139	0	%100
14	M43	Z	08	08	0	%100
15	M46	X	.277	.277	0	%100 %100
16	M46	Z	16	16	0	%100 %100
17	M51B	X	.154	.154	0	%100 %100
18	M51B	Z	089	089	0	%100 %100
19	M52B	X	.616	.616	0	%100 %100
20	M52B	Z	356	356	0	%100 %100
21	M76	X	.832	.832	0	%100 %100
22	M76	Z	48	48	0	%100 %100
23	M77	X	.282	.282	0	%100 %100
24	M77	Z	163	163	0	%100 %100
25	M80	X Z	.298	.298	0	%100
26	M80		172	172	0	%100
27	M84	X Z	.832	.832	0	%100 %400
28	M84		48	48	0	%100 %400
29	M85	X	1.13	1.13	0	%100
30	M85	Z	652	652	0	%100
31	M91	X	1.19	1.19	0	%100
32	M91	Z	687	687	0	%100
33	M52A	X	.493	.493	0	%100
34	M52A	Z	285	285	0	%100
35	M53	X	.139	.139	0	%100
36	M53	Z	08	08	0	%100
37	M54	X	.139	.139	0	%100
38	M54	Z	08	08	0	%100
39	M55	X	.277	.277	0	%100
40	M55	Z	16	16	0	%100
41	M58A	X	.616	.616	0	%100
42	M58A	Z	356	356	0	%100
43	M59A	X	.154	.154	0	%100
44	M59A	Z	089	089	0	%100
45	M63	X	.832	.832	0	%100
46	M63	Z	48	48	0	%100
47	M64	X	1.13	1.13	0	%100
48	M64	Z	652	652	0	%100
49	M66	X	1.19	1.19	0	%100
50	M66	Z	687	687	0	%100
51	M68	X	.832	.832	0	%100
52	M68	Z	48	48	0	%100

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

	Member Label	Direction		End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
53	M69	X	.282	.282	0	%100
54	M69	Z	163	163	0	%100
55	M71	X	.298	.298	0	%100
56	M71	Z	172	172	0	%100
57	M76A	X	0	0	0	%100
58	M76A	Z	0	0	0	%100
59	M77A	X	.556	.556	0	%100
60	M77A	Z	321	321	0	%100
61	M78	X	.556	.556	0	%100
62	M78	Z	321	321	0	%100
63	M79A	X	1.109	1.109	0	%100
64	M79A	Z	64	64	0	%100
65	M82	X	.154	.154	0	%100
66	M82	Ž	089	089	0	%100
67	M83A	X	.154	.154	0	%100
68	M83A	Ž	089	089	0	%100
69	M87	X	0	0	0	%100 %100
70	M87	Z	0	0	0	%100 %100
71	M88A	X	.282	.282	0	%100 %100
72	M88A	Z	163	163	0	%100 %100
73	M90	X	.298	.298	0	%100 %100
74	M90	Z	172	172	0	%100 %100
75	M92A	X	0	0	0	%100 %100
76	M92A	Ž	0	0	0	%100 %100
77	M93	X	.282	.282	0	%100 %100
78	M93	Z	163	163	0	%100 %100
79	M95	X	.298	.298	0	%100 %100
80	M95	Z	172	172	0	%100 %100
81	M82A	X	.162	.162	0	%100 %100
82	M82A	Z	093	093	0	%100 %100
83	M91B	X	.647	.647	0	%100 %100
84	M91B	Z	374	374	0	%100 %100
85	MP3B	X	.439	.439	0	%100 %100
86	MP3B	Ž	254	254	0	%100 %100
87	MP3A	X	.439	.439	0	%100 %100
88	MP3A	Ž	254	254	0	%100 %100
					-	
89 90	MP2A MP2A	Z	.439 254	.439 254	0	%100 %100
	MP1A	X	.439	.439	-	
91 92	MP1A MP1A	Z	254	254	0	%100 %100
93	MP6C		.439	.439		%100 %100
94	MP6C MP6C	Z	254	254	0	%100 %100
95	MP2C	X	.439	.439	0	%100 %100
96	MP2C MP2C	Z	254	254	0	%100 %100
96	MP5C	X	.439	.439	0	%100 %100
98	MP5C MP5C	Z	254	254	0	%100 %100
99	M103 M103	X Z	.4 231	.4 231	0	%100 %100
100	M104	X	.133	.133	0	
101	M104 M104	Z	077	077	0	%100 %100
102	M1104 M111		.133	.133	0	%100 %100
		X		077		
104	M111	Z	077		0	%100 %100
105	M112 M112	X Z	.532	.532	0	%100 %100
106		X	307	307	0	%100 %100
107	M126	Z	.671	.671	0	%100 %100
108	M126		388	388		%100 %100
109	M127	X	.168	.168	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
110	M127	Z	097	097	0	%100
111	M128	X	.168	.168	0	%100
112	M128	Z	097	097	0	%100
113	MP1C	X	.439	.439	0	%100
114	MP1C	Z	254	254	0	%100
115	M125A	X	0	0	0	%100
116	M125A	Z	0	0	0	%100
117	M126A	X	0	0	0	%100
118	M126A	Z	0	0	0	%100
119	M131	X	0	0	0	%100
120	M131	Z	0	0	0	%100
121	M132	X	0	0	0	%100
122	M132	Z	0	0	0	%100
123	MP3C	X	.439	.439	0	%100
124	MP3C	Z	254	254	0	%100
125	M138	X	0	0	0	%100
126	M138	Z	0	0	0	%100
127	M139	X	0	0	0	%100
128	M139	Z	0	0	0	%100
129	M144	X	0	0	0	%100
130	M144	Z	0	0	0	%100
131	M145	X	0	0	0	%100
132	M145	Z	0	0	0	%100

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

2 3	M1 M1 M4	X	.56	.56	0	0/ 100
		7		.00	U	%100
2	N A A	Z	0	0	0	%100
3	IVI4	X	.19	.19	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	.482	.482	0	%100
6	M10	Z	0	0	0	%100
7	MP2B	X	.507	.507	0	%100
8	MP2B	Z	0	0	0	%100
9	MP4B	X	.507	.507	0	%100
10	MP4B	Z	0	0	0	%100
11	MP1B	X	.507	.507	0	%100
12	MP1B	Z	0	0	0	%100
13	M43	X	.482	.482	0	%100
14	M43	Z	0	0	0	%100
15	M46	X	.961	.961	0	%100
16	M46	Z	0	0	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	0	0	0	%100
19	M52B	X	.533	.533	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	.32	.32	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	0	0	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	0	0	0	%100
27	M84	Χ	.32	.32	0	%100
28	M84	Z	0	0	0	%100
29	M85	Χ	.978	.978	0	%100
30	M85	Z	0	0	0	%100

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

	Member Label	Direction	, , , , , , , , , , , , , , , , , , , 	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
31	M91	X	1.031	1.031	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	.759	.759	0	%100
34	M52A	Z	0	0	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	0	0	0	%100
40	M55	Ž	Ů Ů	0	0	%100
41	M58A	X	.533	.533	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	.533	.533	0	%100 %100
44	M59A	Z	0	0	0	%100 %100
45	M63	X	1.281	1.281	0	%100 %100
46	M63	Z	0	0	0	%100 %100
47	M64	X	.978	.978	0	%100 %100
48	M64	Z	.978	.976	0	%100 %100
49	M66	X	1.031	1.031	0	%100 %100
50	M66	Z	0	0	0	%100 %100
51	N68	X	1.281	1.281	0	%100 %100
52	M68	Z	.978	.978	0	%100 %100
53	M69	X Z		.978	0	
54	M69		0			%100 %100
55	M71	X	1.031	1.031	0	
56	M71	Z	0	0	0	%100
57	M76A	X	.19	.19	0	%100
58	M76A	Z	0	0	0	%100
59	M77A	X	.482	.482	0	%100
60	M77A	Z	0	0	0	%100
61	M78	X	.482	.482	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	.961	.961	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	.533	.533	0	%100
66	M82	Z	0	0	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	0	0	0	%100
69	M87	X	.32	.32	0	%100
70	M87	Z	0	0	0	%100
71	M88A	X	.978	.978	0	%100
72	M88A	Z	0	0	0	%100
73	M90	X	1.031	1.031	0	%100
74	M90	Z	0	0	0	%100
75	M92A	X	.32	.32	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	0	0	0	%100
79	M95	X	0	0	0	%100
80	M95	Z	0	0	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	0	0	0	%100
83	M91B	X	.56	.56	0	%100
84	M91B	Z	0	0	0	%100
85	MP3B	X	.507	.507	0	%100
86	MP3B	Z	0	0	0	%100
87	MP3A	X	.507	.507	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,%]
88	MP3A	Z	0	0	0	%100
89	MP2A	X	.507	.507	0	%100
90	MP2A	Z	0	0	0	%100
91	MP1A	X	.507	.507	0	%100
92	MP1A	Z	0	0	0	%100
93	MP6C	X	.507	.507	0	%100
94	MP6C	Z	0	0	0	%100
95	MP2C	X	.507	.507	0	%100
96	MP2C	Ž	0	0	0	%100
97	MP5C	X	.507	.507	0	%100
98	MP5C	Z	0	0	0	%100
99	M103	X	.462	.462	0	%100
100	M103	Z	0	0	0	%100 %100
101	M104	X	.46	.46	0	%100 %100
102	M104	Z	0	0	0	%100 %100
103	M111	X	0	0	0	%100 %100
104	M111	Z	0	0	0	%100 %100
105	M112	X	.46	.46	0	%100 %100
106	M112	Z	0	0	0	%100 %100
107	M126	X	.581	.581	0	%100 %100
108	M126	Z	0	.361	0	%100 %100
109	M127	X		0	0	%100 %100
110	M127	Z	0	0	0	%100 %100
111	M128		.581	.581	0	%100 %100
112		X Z	.561	.361	0	%100 %100
113	M128			.507		
	MP1C	X Z	.507		0	%100 %100
114	MP1C		0	0	0	%100 %400
115	M125A	X	.023	.023	0	%100
116	M125A	Z	0	0	0	%100
117	M126A	X	.023	.023	0	%100
118	M126A	Z	0	0	0	%100 %400
119	M131	X	.023	.023	0	%100 %400
120	M131	Z	0	0	0	%100
121	M132	X	.023	.023	0	%100
122	M132	Z	0	0	0	%100
123	MP3C	X	.507	.507	0	%100
124	MP3C	Z	0	0	0	%100
125	M138	X	.023	.023	0	%100
126	M138	Z	0	0	0	%100
127	M139	X	.023	.023	0	%100
128	M139	Z	0	0	0	%100
129	M144	X	.023	.023	0	%100
130	M144	Z	0	0	0	%100
131	M145	X	.023	.023	0	%100
132	M145	l Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft	.End Magnitude[lb/ft.F	. Start Location[ft.%]	End Location[ft.%]
1	M1	X	.647	.647	0	%100
2	M1	Z	.374	.374	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	Χ	.556	.556	0	%100
6	M10	Z	.321	.321	0	%100
7	MP2B	X	.439	.439	0	%100
8	MP2B	Z	.254	.254	0	%100

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

	Member Label	Direction		End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
9	MP4B	X	.439	.439	0	%100
10	MP4B	Z	.254	.254	0	%100
11	MP1B	X	.439	.439	0	%100
12	MP1B	Z	.254	.254	0	%100
13	M43	X	.556	.556	0	%100
14	M43	Z	.321	.321	0	%100
15	M46	X	1.109	1.109	0	%100
16	M46	Z	.64	.64	0	%100
17	M51B	X	.154	.154	0	%100
18	M51B	Z	.089	.089	0	%100
19	M52B	X	.154	.154	0	%100
20	M52B	Z	.089	.089	0	%100
21	M76	X	0	0	0	%100 %100
22	M76	Z	0	0	0	%100 %100
23	M77	X	.282	.282	0	%100 %100
24	M77	Z	.163	.163	0	%100 %100
						%100 %100
25	M80	X Z	.298	.298 .172	0	%100 %100
26	M80					
27	M84	X Z	0	0	0	%100 %100
28	M84		0		0	%100
29	M85	X	.282	.282	0	%100
30	M85	Z	.163	.163	0	%100
31	M91	X	.298	.298	0	%100
32	M91	Z	.172	.172	0	%100
33	M52A	X	.493	.493	0	%100
34	M52A	Z	.285	.285	0	%100
35	M53	X	.139	.139	0	%100
36	M53	Z	.08	.08	0	%100
37	M54	X	.139	.139	0	%100
38	M54	Z	.08	.08	0	%100
39	M55	X	.277	.277	0	%100
40	M55	Z	.16	.16	0	%100
41	M58A	X	.154	.154	0	%100
42	M58A	Z	.089	.089	0	%100
43	M59A	X	.616	.616	0	%100
44	M59A	Z	.356	.356	0	%100
45	M63	X	.832	.832	0	%100
46	M63	Z	.48	.48	0	%100
47	M64	X	.282	.282	0	%100
48	M64	Z	.163	.163	0	%100
49	M66	X	.298	.298	0	%100
50	M66	Z	.172	.172	0	%100
51	M68	X	.832	.832	0	%100
52	M68	Z	.48	.48	0	%100
53	M69	X	1.13	1.13	0	%100
54	M69	Z	.652	.652	0	%100
55	M71	X	1.19	1.19	0	%100 %100
56	M71	Z	.687	.687	0	%100 %100
57	M76A	X	.493	.493	0	%100 %100
58	M76A	Z	.285	.285	0	%100 %100
59	M77A	X	.139	.139	0	%100 %100
60	M77A	Z	.08	.08	0	%100 %100
61	M78	X	.139	.139	0	%100 %100
62	M78	Z	.08	.08	0	%100 %100
63	M79A	X	.277	.277	0	%100 %100
64	M79A	Z	.16	.16	0	%100 %100
65	M82	X	.616	.616	0	%100

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

	Member Label	Direction		End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
66	M82	Z	.356	.356	0	%100
67	M83A	X	.154	.154	0	%100
68	M83A	Z	.089	.089	0	%100
69	M87	X	.832	.832	0	%100
70	M87	Z	.48	.48	0	%100
71	M88A	X	1.13	1.13	0	%100
72	M88A	Z	.652	.652	0	%100
73	M90	X	1.19	1.19	0	%100
74	M90	Z	.687	.687	0	%100
75	M92A	Х	.832	.832	0	%100
76	M92A	Z	.48	.48	0	%100
77	M93	X	.282	.282	0	%100
78	M93	Z	.163	.163	0	%100
79	M95	X	.298	.298	0	%100
80	M95	Z	.172	.172	0	%100
81	M82A	X	.162	.162	0	%100
82	M82A	Z	.093	.093	0	%100
83	M91B	X	.162	.162	0	%100 %100
84	M91B	Z	.093	.093	0	%100 %100
85	MP3B	X	.439	.439	0	%100 %100
86	MP3B	Z	.254	.254	0	%100 %100
87	MP3A	X	.439	.439	0	%100 %100
88	MP3A	Z	.254	.254	0	%100 %100
89	MP2A	X	.439	.439	0	%100 %100
90	MP2A	Z	.254	.254	0	%100 %100
91	MP1A	X	.439	.439	0	%100 %100
92	MP1A	Z	.254	.254	0	%100 %100
93	MP6C	X	.439	.439	0	%100 %100
94	MP6C	Z	.254	.254	0	%100 %100
95	MP2C	X	.439	.439	0	%100 %100
96	MP2C	Z	.254	.254	0	%100 %100
97	MP5C	X	.439	.439	0	%100 %100
98	MP5C	Z	.254	.254	0	%100 %100
99	M103	X	.4	.4	0	%100 %100
100	M103	Z	.231	.231	0	%100 %100
101	M104	X	.532	.532	0	%100 %100
102	M104	Z	.307	.307	0	%100 %100
103	M111	X	.133	.133	0	%100 %100
104	M111	Z	.077	.077	0	%100 %100
105	M112	X	.133	.133	0	%100 %100
106	M112	Z	.077	.077	0	%100 %100
107	M126	X	.168	.168	0	%100 %100
108	M126	Z	.097	.097	0	%100 %100
109	M127	X	.168	.168	0	%100 %100
110	M127	Z	.097	.097	0	%100 %100
111	M128	X	.671	.671	0	%100 %100
112	M128	Z	.388	.388	0	%100 %100
113	MP1C	X	.439	.439	0	%100 %100
114	MP1C	Z	.254	.254	0	%100 %100
115	M125A	X	.059	.059	0	%100 %100
116	M125A	Z	.034	.034	0	%100 %100
117	M126A	X	.059	.059	0	%100 %100
118	M126A	Z	.034	.034	0	%100 %100
119	M131	X	.059	.059	0	%100 %100
120	M131	Z	.034	.034	0	%100 %100
121	M132	X	.059	.059	0	%100 %100
122	M132	Z	.034	.034	0	%100 %100
122	IVITUL		.004	.004	U	/0100

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,%]
123	MP3C	X	439	.439	0	%100
124	MP3C	Z	.254	.254	0	%100
125	M138	X	.059	.059	0	%100
126	M138	Z	.034	.034	0	%100
127	M139	X	.059	.059	0	%100
128	M139	Z	.034	.034	0	%100
129	M144	X	.059	.059	0	%100
130	M144	Z	.034	.034	0	%100
131	M145	X	.059	.059	0	%100
132	M145	Z	.034	.034	0	%100

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

1 M1 X 28 28 0 %100 3 M4 X .095 .095 0 %100 4 M4 X .095 .095 0 %100 5 M10 X .241 .241 0 %100 6 M10 X .241 .241 0 %100 7 MP2B X .254 .254 .0 %100 8 MP2B X .254 .254 .0 %100 8 MP2B X .254 .254 .0 %100 10 MP4B X .254 .254 .0 %100 11 MP1B X .254 .254 .0 %100 11 MP1B X .254 .254 .0 %100 12 MP1B X .241 .241 .0 %100 13 M43 X		Member Label	Direction		End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
3 M4 X .095 .095 .0 %100 4 M4 Z .164 .164 0 %100 5 M10 X .241 .241 0 %100 6 M10 Z .417 .417 0 %100 7 MP2B X .254 .254 0 %100 8 MP2B Z .439 .439 0 %100 9 MP4B X .254 .254 0 %100 10 MP4B Z .439 .439 0 %100 11 MP1B X .254 .254 .0 %100 12 MP1B Z .439 .439 0 %100 13 M43 X .241 .241 0 %100 13 M43 X .241 .241 0 %100 15 M46 X			X			0	
4 M4 Z 164 164 0 %100 5 M10 X .241 .241 0 %100 6 M10 Z .417 .417 0 %100 7 MP2B X .254 .254 0 %100 8 MP2B Z .439 .439 0 %100 9 MP4B X .254 .254 .0 %100 10 MP4B Z .439 .439 0 %100 11 MP1B X .254 .254 .0 %100 12 MP1B Z .439 .439 0 %100 12 MP1B Z .439 .439 0 %100 14 M43 X .241 .241 0 %100 15 M46 X .48 .48 0 %100 15 M46 X <	2		Z				
5 M10 X .241 .241 0 %100 6 M10 Z .417 .417 0 %100 7 MP2B X .254 .254 0 %100 8 MP2B Z .439 .439 0 %100 10 MP4B X .254 .254 0 %100 11 MP1B X .254 .254 0 %100 11 MP1B X .254 .254 0 %100 12 MP1B Z .439 .439 0 %100 13 M43 X .241 .241 0 %100 14 M43 X .241 .241 0 %100 15 M46 X .48 .48 0 %100 16 M46 Z .832 .832 0 %100 18 M51B X			X	.095		0	
6 M10 Z 417 .417 0 %100 7 MP2B X .254 .254 0 %100 8 MP2B Z .439 .439 0 %100 9 MP4B X .254 .254 0 %100 10 MP4B X .254 .254 0 %100 11 MP1B X .254 .254 0 %100 12 MP1B X .254 .254 0 %100 12 MP1B Z .439 .439 0 %100 14 M43 X .241 .241 0 %100 15 M46 X .48 .48 0 %100 15 M46 X .48 .48 0 %100 17 M51B X .267 .267 0 %100 18 M51B X	4	M4	Z	.164	.164	0	%100
T MP2B X 254 .254 0 %100 8 MP2B Z .439 .439 0 %100 9 MP4B X .254 .254 .0 %100 10 MP4B Z .439 .439 0 %100 11 MP1B X .254 .254 0 %100 12 MP1B Z .439 .439 0 %100 13 M43 X .241 0 %100 13 M43 X .241 0 %100 15 M46 X .48 .48 0 %100 15 M46 X .48 .48 0 %100 16 M46 Z .832 .832 .0 %100 18 M51B X .267 .267 0 %100 18 M51B X .267 .267	5	M10		.241	.241	0	%100
8 MP2B Z .439 .439 0 %100 9 MP4B X .254 .254 0 %100 10 MP4B Z .439 .439 0 %100 11 MP1B X .254 .254 0 %100 12 MP1B Z .439 .439 0 %100 13 M43 X .241 .241 0 %100 14 M43 Z .417 .417 0 %100 15 M46 X .48 .48 0 %100 16 M46 Z .832 .832 .0 %100 17 M51B X .267 .267 0 %100 17 M51B X .267 .267 0 %100 19 M52B X 0 0 0 %100 20 M52B Z	6	M10	Z	.417	.417	0	%100
9 MP4B X .254 .254 0 %100 10 MP4B Z .439 .439 0 %100 11 MP1B X .254 .0 %100 12 MP1B Z .439 .439 0 %100 13 M43 X .241 .241 0 %100 14 M43 Z .417 .417 0 %100 15 M46 X .48 .48 0 %100 16 M46 Z .832 .832 0 %100 16 M46 Z .832 .832 0 %100 18 M51B X .267 .267 0 %100 19 M52B X 0 0 0 %100 20 M52B X 0 0 0 %100 21 M76 X .16 .16	7	MP2B		.254	.254	0	
9 MP4B X .254 .254 .0 %100 10 MP4B Z .439 .439 0 %100 11 MP1B X .254 .0 %100 12 MP1B Z .439 .439 0 %100 13 M43 X .241 .241 0 %100 14 M43 Z .417 .417 0 %100 15 M46 X .48 .48 0 %100 16 M46 Z .832 .832 0 %100 16 M46 Z .832 .832 0 %100 18 M51B X .267 .267 0 %100 19 M52B X 0 0 0 %100 20 M52B Z 0 0 0 %100 21 M76 X .16 .1	8	MP2B	Z	.439	.439	0	%100
11 MP1B X .254 .254 0 %100 12 MP1B Z .439 .439 0 %100 13 M43 X .241 .241 0 %100 14 M43 Z .417 .417 0 %100 15 M46 X .48 .48 0 %100 16 M46 Z .832 .832 0 %100 17 M51B X .267 .267 0 %100 18 M51B X .267 .267 0 %100 18 M51B Z .462 .462 0 %100 19 M52B X 0 0 0 %100 20 M52B X 0 0 0 %100 21 M76 X .16 .16 0 %100 21 M76 Z .277	9	MP4B	X		.254	0	%100
12 MP1B Z .439 .439 0 %100 13 M43 X .241 .241 0 %100 14 M43 Z .417 .417 0 %100 15 M46 X .48 .48 0 %100 16 M46 Z .832 .832 0 %100 16 M46 Z .832 .832 0 %100 17 M51B X .267 .267 0 %100 18 M51B Z .462 .462 0 %100 19 M52B X 0 0 0 %100 20 M52B X 0 0 0 %100 21 M76 X .16 .16 0 %100 22 M76 Z .277 .277 0 %100 23 M77 X .489 </td <td>10</td> <td></td> <td>Z</td> <td>.439</td> <td>.439</td> <td>0</td> <td>%100</td>	10		Z	.439	.439	0	%100
12 MP1B Z .439 .439 0 %100 13 M43 X .241 .241 0 %100 14 M43 Z .417 .417 0 %100 15 M46 X .48 .48 0 %100 16 M46 Z .832 .832 0 %100 16 M46 Z .832 .832 0 %100 17 M51B X .267 .267 0 %100 18 M51B Z .462 .462 0 %100 19 M52B X 0 0 0 %100 20 M52B X 0 0 0 %100 21 M76 X .16 .16 0 %100 22 M76 Z .277 .277 0 %100 23 M77 X .489 </td <td>11</td> <td>MP1B</td> <td>Χ</td> <td>.254</td> <td>.254</td> <td>0</td> <td>%100</td>	11	MP1B	Χ	.254	.254	0	%100
13 M43 X .241 .241 0 %100 14 M43 Z .417 .417 0 %100 15 M46 X .48 .48 0 %100 16 M46 Z .832 .832 0 %100 17 M51B X .267 .267 0 %100 18 M51B X .267 .267 0 %100 19 M52B X 0 0 0 %100 20 M52B Z 0 0 0 %100 20 M52B Z 0 0 0 %100 21 M76 X .16 .16 0 %100 22 M76 Z .277 .277 0 %100 23 M77 X .489 .489 0 %100 24 M77 Z .847	12		Z			0	
14 M43 Z .417 .417 0 %100 15 M46 X .48 .48 0 %100 16 M46 Z .832 .832 0 %100 17 M51B X .267 .267 0 %100 18 M51B Z .462 .462 0 .%100 19 M52B X 0 0 0 .%100 20 M52B X 0 0 0 .%100 21 M76 X .16 .16 0 .%100 21 M76 Z .277 .277 0 .%100 22 M76 Z .277 .277 0 .%100 24 M77 Z .847 .847 0 .%100 25 M80 X .515 .515 0 .%100 26 M80 Z <td< td=""><td>13</td><td>M43</td><td>Х</td><td></td><td>.241</td><td>0</td><td>%100</td></td<>	13	M43	Х		.241	0	%100
15 M46 X .48 .48 .0 %100 16 M46 Z .832 .832 0 %100 17 M51B X .267 .267 0 %100 18 M51B Z .462 .462 0 %100 19 M52B X 0 0 0 %100 20 M52B Z 0 0 0 %100 20 M52B Z 0 0 0 %100 21 M76 X .16 .16 0 %100 22 M76 Z .277 .277 0 %100 23 M77 X .489 .489 .0 %100 24 M77 Z .847 .847 0 %100 25 M80 X .515 .515 0 %100 26 M80 Z .893	14	M43	Z				
16 M46 Z .832 .832 .832 0 %100 17 M51B X .267 .267 0 %100 18 M51B Z .462 .462 0 %100 19 M52B X 0 0 0 %100 20 M52B Z 0 0 0 %100 21 M76 X .16 .16 0 %100 21 M76 X .16 .16 0 %100 23 M77 X .489 .489 0 %100 23 M77 X .489 .489 0 %100 24 M77 Z .847 .847 0 %100 25 M80 X .515 .515 0 %100 25 M80 X .545 .515 0 %100 27 M84 X <td></td> <td></td> <td>X</td> <td>.48</td> <td>.48</td> <td>0</td> <td></td>			X	.48	.48	0	
17 M51B X .267 .267 0 %100 18 M51B Z .462 .462 0 %100 19 M52B X 0 0 0 %100 20 M52B Z 0 0 0 %100 21 M76 X .16 .16 0 %100 22 M76 Z .277 .277 0 %100 23 M77 X .489 .489 0 %100 24 M77 Z .847 .847 0 %100 25 M80 X .515 .515 .0 %100 26 M80 Z .893 .893 .0 %100 27 M84 X .16 .16 0 %100 28 M84 Z .277 .277 0 %100 30 M85 X 0 <td></td> <td>M46</td> <td>Z</td> <td>.832</td> <td></td> <td></td> <td></td>		M46	Z	.832			
18 M51B Z .462 .462 0 %100 19 M52B X 0 0 0 %100 20 M52B Z 0 0 0 %100 21 M76 X .16 .16 0 %100 22 M76 Z .277 .277 0 %100 23 M77 X .489 .489 0 %100 24 M77 Z .847 .847 0 %100 25 M80 X .515 .515 0 %100 26 M80 Z .893 .893 0 %100 27 M84 X .16 .16 0 %100 28 M84 Z .277 .277 0 %100 29 M85 X 0 0 0 %100 31 M91 X 0			X			0	
19							
20 M52B Z 0 0 %100 21 M76 X .16 .16 0 %100 22 M76 Z .277 .277 0 %100 23 M77 X .489 .489 0 %100 24 M77 Z .847 .847 0 %100 25 M80 X .515 .515 0 %100 26 M80 Z .893 .893 0 %100 27 M84 X .16 .16 0 %100 28 M84 Z .277 .277 0 %100 29 M85 X 0 0 0 %100 30 M85 Z 0 0 0 %100 31 M91 X 0 0 0 %100 32 M91 Z 0 0 0 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
21 M76 X .16 .16 0 %100 22 M76 Z .277 .277 0 %100 23 M77 X .489 .489 0 %100 24 M77 Z .847 .847 0 %100 25 M80 X .515 .515 0 %100 26 M80 Z .893 .893 0 %100 27 M84 X .16 .16 0 %100 28 M84 Z .277 .277 0 %100 28 M85 X 0 0 0 %100 30 M85 X 0 0 0 %100 31 M91 X 0 0 0 %100 32 M91 Z 0 0 0 %100 33 M52A X .095			Z		0		
22 M76 Z .277 .277 0 %100 23 M77 X .489 .489 0 %100 24 M77 Z .847 .847 0 %100 25 M80 X .515 .515 0 %100 26 M80 Z .893 .893 0 %100 27 M84 X .16 .16 0 %100 28 M84 Z .277 .277 0 %100 29 M85 X 0 0 0 %100 30 M85 Z 0 0 0 %100 31 M91 X 0 0 0 %100 32 M91 Z 0 0 0 %100 34 M52A X .095 .095 0 %100 34 M52A Z .164 <							
23 M77 X .489 .489 0 %100 24 M77 Z .847 .847 0 %100 25 M80 X .515 .515 0 %100 26 M80 Z .893 .893 0 %100 27 M84 X .16 .16 0 %100 28 M84 Z .277 .277 0 %100 29 M85 X 0 0 0 %100 30 M85 Z 0 0 0 %100 31 M91 X 0 0 0 %100 32 M91 Z 0 0 0 %100 33 M52A X .095 .095 0 %100 34 M52A Z .164 .164 0 %100 35 M53 X .241 <							
24 M77 Z .847 .847 0 %100 25 M80 X .515 .515 0 %100 26 M80 Z .893 .893 0 %100 27 M84 X .16 .16 0 %100 28 M84 Z .277 .277 0 %100 29 M85 X 0 0 0 %100 30 M85 Z 0 0 0 %100 31 M91 X 0 0 0 %100 32 M91 Z 0 0 0 %100 33 M52A X .095 .095 0 %100 34 M52A Z .164 .164 0 %100 35 M53 X .241 .241 0 %100 36 M53 Z .417 <		M77	X			0	
25 M80 X .515 .515 0 %100 26 M80 Z .893 .893 0 %100 27 M84 X .16 .16 0 %100 28 M84 Z .277 .277 0 %100 29 M85 X 0 0 0 %100 30 M85 Z 0 0 0 %100 31 M91 X 0 0 0 %100 32 M91 Z 0 0 0 %100 33 M52A X .095 .095 0 %100 34 M52A Z .164 .164 0 %100 35 M53 X .241 .241 0 %100 36 M53 Z .417 .417 0 %100 38 M54 X .241 <							
26 M80 Z .893 .893 0 %100 27 M84 X .16 .16 0 %100 28 M84 Z .277 .277 0 %100 29 M85 X 0 0 0 %100 30 M85 Z 0 0 0 %100 31 M91 X 0 0 0 %100 32 M91 Z 0 0 0 %100 33 M52A X .095 .095 0 %100 34 M52A Z .164 .164 0 %100 35 M53 X .241 .241 0 %100 36 M53 Z .417 .417 0 %100 37 M54 X .241 .241 0 %100 38 M54 Z .417 <							
27 M84 X .16 .16 0 %100 28 M84 Z .277 .277 0 %100 29 M85 X 0 0 0 %100 30 M85 Z 0 0 0 %100 31 M91 X 0 0 0 %100 32 M91 Z 0 0 0 %100 33 M52A X .095 .095 0 %100 34 M52A Z .164 .164 0 %100 35 M53 X .241 .241 0 %100 36 M53 Z .417 .417 0 %100 37 M54 X .241 .241 0 %100 38 M54 Z .417 .417 0 %100 39 M55 X .48 <t< td=""><td></td><td></td><td>7</td><td></td><td></td><td></td><td></td></t<>			7				
28 M84 Z .277 .277 0 %100 29 M85 X 0 0 0 %100 30 M85 Z 0 0 0 %100 31 M91 X 0 0 0 %100 32 M91 Z 0 0 0 %100 33 M52A X .095 .095 0 %100 34 M52A Z .164 .164 0 %100 35 M53 X .241 .241 0 %100 36 M53 Z .417 .417 0 %100 37 M54 X .241 .241 0 %100 38 M54 Z .417 .417 .417 0 %100 39 M55 X .48 .48 0 %100 40 M58A X							
29 M85 X 0 0 0 %100 30 M85 Z 0 0 0 %100 31 M91 X 0 0 0 %100 32 M91 Z 0 0 0 %100 33 M52A X .095 .095 0 %100 34 M52A Z .164 .164 0 %100 35 M53 X .241 .241 0 %100 36 M53 Z .417 .417 0 %100 37 M54 X .241 .241 0 %100 38 M54 Z .417 .417 0 %100 39 M55 X .48 .48 0 %100 40 M58A X 0 0 0 %100							
30 M85 Z 0 0 0 %100 31 M91 X 0 0 0 %100 32 M91 Z 0 0 0 %100 33 M52A X .095 .095 0 %100 34 M52A Z .164 .164 0 %100 35 M53 X .241 .241 0 %100 36 M53 Z .417 .417 0 %100 37 M54 X .241 .241 0 %100 38 M54 Z .417 .417 0 %100 39 M55 X .48 .48 0 %100 40 M55 Z .832 .832 0 %100 41 M58A X 0 0 0 %100		M85					
31 M91 X 0 0 0 %100 32 M91 Z 0 0 0 %100 33 M52A X .095 .095 0 %100 34 M52A Z .164 .164 0 %100 35 M53 X .241 .241 0 %100 36 M53 Z .417 .417 0 %100 37 M54 X .241 .241 0 %100 38 M54 Z .417 .417 0 %100 39 M55 X .48 .48 0 %100 40 M55 Z .832 .832 0 %100 41 M58A X 0 0 0 %100							
32 M91 Z 0 0 0 %100 33 M52A X .095 .095 0 %100 34 M52A Z .164 .164 0 %100 35 M53 X .241 .241 0 %100 36 M53 Z .417 .417 0 %100 37 M54 X .241 .241 0 %100 38 M54 Z .417 .417 0 %100 39 M55 X .48 .48 0 %100 40 M55 Z .832 .832 0 %100 41 M58A X 0 0 0 %100				0		•	
33 M52A X .095 .095 0 %100 34 M52A Z .164 .164 0 %100 35 M53 X .241 .241 0 %100 36 M53 Z .417 .417 0 %100 37 M54 X .241 .241 0 %100 38 M54 Z .417 .417 0 %100 39 M55 X .48 .48 0 %100 40 M55 Z .832 .832 0 %100 41 M58A X 0 0 %100	32	M91	Z				
34 M52A Z .164 .164 0 %100 35 M53 X .241 .241 0 %100 36 M53 Z .417 .417 0 %100 37 M54 X .241 .241 0 %100 38 M54 Z .417 .417 0 %100 39 M55 X .48 .48 0 %100 40 M55 Z .832 .832 0 %100 41 M58A X 0 0 0 %100							
35 M53 X .241 .241 0 %100 36 M53 Z .417 .417 0 %100 37 M54 X .241 .241 0 %100 38 M54 Z .417 .417 0 %100 39 M55 X .48 .48 0 %100 40 M55 Z .832 .832 0 %100 41 M58A X 0 0 %100							
36 M53 Z .417 .417 0 %100 37 M54 X .241 .241 0 %100 38 M54 Z .417 .417 0 %100 39 M55 X .48 .48 0 %100 40 M55 Z .832 .832 0 %100 41 M58A X 0 0 0 %100							
37 M54 X .241 .241 0 %100 38 M54 Z .417 .417 0 %100 39 M55 X .48 .48 0 %100 40 M55 Z .832 .832 0 %100 41 M58A X 0 0 0 %100							
38 M54 Z .417 .417 0 %100 39 M55 X .48 .48 0 %100 40 M55 Z .832 .832 0 %100 41 M58A X 0 0 0 %100							
39 M55 X .48 .48 0 %100 40 M55 Z .832 .832 0 %100 41 M58A X 0 0 0 %100		M54	Z				
40 M55 Z .832 .832 0 %100 41 M58A X 0 0 0 %100							
41 M58A X 0 0 0 %100							
43 M59A X .267 .267 0 %100				-			

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

	Member Label	Direction		End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
44	M59A	Z	.462	.462	0	%100
45	M63	X	.16	.16	0	%100
46	M63	Z	.277	.277	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	.16	.16	0	%100
52	M68	Z	.277	.277	0	%100
53	M69	X	.489	.489	0	%100
54	M69	Z	.847	.847	0	%100
55	M71	X	.515	.515	0	%100
56	M71	Z	.893	.893	0	%100
57	M76A	X	.379	.379	0	%100
58	M76A	Z	.657	.657	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	0	0	0	%100
61	M78	X	0	0	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	.267	.267	0	%100
66	M82	Z	.462	.462	0	%100
67	M83A	X	.267	.267	0	%100
68	M83A	Z	.462	.462	0	%100
69	M87	X	.64	.64	0	%100
70	M87	Z	1.109	1.109	0	%100
71	M88A	X	.489	.489	0	%100
72	M88A	Z	.847	.847	0	%100
73	M90	X	.515	.515	0	%100
74	M90	Z	.893	.893	0	%100
75	M92A	X	.64	.64	0	%100
76	M92A	Z	1.109	1.109	0	%100
77	M93	X	.489	.489	0	%100
78	M93	Z	.847	.847	0	%100
79	M95	X	.515	.515	0	%100
80	M95	Z	.893	.893	0	%100
81	M82A	X	.28	.28	0	%100
82	M82A	Z	.485	.485	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Ž	0	Ö	0	%100
85	MP3B	X	.254	.254	0	%100
86	MP3B	Ž	.439	.439	0	%100
87	MP3A	X	.254	.254	0	%100
88	MP3A	Ž	.439	.439	0	%100
89	MP2A	X	.254	.254	0	%100
90	MP2A	Z	.439	.439	0	%100
91	MP1A	X	.254	.254	0	%100 %100
92	MP1A	Z	.439	.439	0	%100
93	MP6C	X	.254	.254	0	%100
94	MP6C	Z	.439	.439	0	%100
95	MP2C	X	.254	.254	0	%100 %100
96	MP2C	Z	.439	.439	0	%100 %100
97	MP5C	X	.254	.254	0	%100 %100
98	MP5C	Z	.439	.439	0	%100 %100
99	M103	X	.231	.231	0	%100 %100
100	M103	Z	.4	.4	0	%100 %100
100	IVITUO	_	.**		U	/0100

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,%]
101	M104	X	.23	.23	0	%100
102	M104	Z	.399	.399	0	%100
103	M111	X	.23	.23	0	%100
104	M111	Z	.399	.399	0	%100
105	M112	X	0	0	0	%100
106	M112	Z	0	0	0	%100
107	M126	X	0	0	0	%100
108	M126	Z	0	0	0	%100
109	M127	X	.291	.291	0	%100
110	M127	Z	.503	.503	0	%100
111	M128	X	.291	.291	0	%100
112	M128	Z	.503	.503	0	%100
113	MP1C	X	.254	.254	0	%100
114	MP1C	Z	.439	.439	0	%100
115	M125A	X	.046	.046	0	%100
116	M125A	Z	.079	.079	0	%100
117	M126A	X	.046	.046	0	%100
118	M126A	Z	.079	.079	0	%100
119	M131	X	.046	.046	0	%100
120	M131	Z	.079	.079	0	%100
121	M132	X	.046	.046	0	%100
122	M132	Z	.079	.079	0	%100
123	MP3C	X	.254	.254	0	%100
124	MP3C	Z	.439	.439	0	%100
125	M138	X	.046	.046	0	%100
126	M138	Z	.079	.079	0	%100
127	M139	X	.046	.046	0	%100
128	M139	Z	.079	.079	0	%100
129	M144	X	.046	.046	0	%100
130	M144	Z	.079	.079	0	%100
131	M145	X	.046	.046	0	%100
132	M145	Z	.079	.079	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	.187	.187	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	.569	.569	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	.161	.161	0	%100
7	MP2B	X	0	0	0	%100
8	MP2B	Z	.507	.507	0	%100
9	MP4B	X	0	0	0	%100
10	MP4B	Z	.507	.507	0	%100
11	MP1B	X	0	0	0	%100
12	MP1B	Z	.507	.507	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	.161	.161	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	.32	.32	0	%100
17	M51B	Χ	0	0	0	%100
18	M51B	Z	.711	.711	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	.178	.178	0	%100
21	M76	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,			End Location[ft,%]
22	M76	Z	.961	.961	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	1.305	1.305	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	1.374	1.374	0	%100
27	M84	X	0	0	0	%100
28	M84	Z	.961	.961	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	.326	.326	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	.344	.344	0	%100
33	M52A	X	0	0	0	%100
34	M52A	Z	0	0	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	.642	.642	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	.642	.642	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	1.281	1.281	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	.178	.178	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	.178	.178	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	.326	.326	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	.344	.344	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	.326	.326	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	.344	.344	0	%100
57	M76A	X	0	0	0	%100
58	M76A	Z	.569	.569	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	.161	.161	0	%100
61	M78	X	0	0	0	%100 %100
62	M78	Z	.161	.161	0	%100 %100
63	M79A	X	0	0	0	%100 %100
64	M79A	Z	.32	.32	0	%100 %100
65	M82	X Z	.178	0	0	%100 %100
66	M82			.178	0	%100 %100
67	M83A	X Z	.711	<u>0</u> .711	0	%100 %100
68	M83A			0	0	%100 %100
69	M87	X Z	.961	.961	0	%100 %100
70 71	M87 M88A	X	961	.961	0	%100 %100
72	M88A	Z	.326	.326	0	%100 %100
73	M90	X	0	.326	0	%100 %100
74	M90	Z	.344	.344	0	%100 %100
75	M92A	X	0	.344	0	%100 %100
76	M92A	Z	.961	.961	0	%100 %100
77	M93	X	0	.901	0	%100 %100
78	M93	Z	1.305	1.305	0	%100 %100
70	IVIOU	_	1.505	1.505	U	70 100



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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,F		End Location[ft,%]
79	M95	X	0	0	0	%100
80	M95	Z	1.374	1.374	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	.747	.747	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	.187	.187	0	%100
85	MP3B	X	0	0	0	%100
86	MP3B	Z	.507	.507	0	%100
87	MP3A	X	0	0	0	%100
88	MP3A	Z	.507	.507	0	%100
89	MP2A	X	0	0	0	%100
90	MP2A	Z	.507	.507	0	%100
91	MP1A	X	0	0	0	%100
92	MP1A	Z	.507	.507	0	%100
93	MP6C	X	0	0	0	%100
94	MP6C	Z	.507	.507	0	%100
95	MP2C	X	0	0	0	%100
96	MP2C	Z	.507	.507	0	%100
97	MP5C	X	0	0	0	%100
98	MP5C	Z	.507	.507	0	%100
99	M103	X	0	0	0	%100
100	M103	Z	.462	.462	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	.153	.153	0	%100
103	M111	X	0	0	0	%100
104	M111	Z	.614	.614	0	%100
105	M112	X	0	0	0	%100
106	M112	Z	.153	.153	0	%100
107	M126	X	0	0	0	%100
108	M126	Z	.194	.194	0	%100
109	M127	X	0	0	0	%100
110	M127	Z	.775	.775	0	%100
111	M128	X	0	0	0	%100
112	M128	Z	.194	.194	0	%100
113	MP1C	X	0	0	0	%100 %400
114	MP1C	Z	.507	.507	0	%100
115	M125A	X	0	0	0	%100 %100
116	M125A	Z	.069	.069	0	%100 %100
117	M126A M126A	X Z	0	0	0	%100 %100
118 119	M126A M131		.069	.069		%100 %100
120	M131	X Z	.069	.069	0	%100 %100
121	M132		0 .069	.069	0	%100 %100
122	M132	X Z	.069	.069	0	%100 %100
123	MP3C	X	0	0	0	%100 %100
124	MP3C	Z	.507	.507	0	%100 %100
125	M138	X	0	.507	0	%100 %100
126	M138	Z	.069	.069	0	%100 %100
127	M139	X	0	0	0	%100 %100
128	M139	Z	.069	.069	0	%100 %100
129	M144	X	0	0	0	%100 %100
130	M144	Z	.069	.069	0	%100 %100
131	M145	X	0	0	0	%100 %100
132	M145	Z	.069	.069	0	%100 %100
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Member Distributed Loads (BLC 72: Structure Wm (210 Deg))

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

Wiciii	ber Distributed Loa	ids (DEO 12	Otractare wii	T (210 Deg)) (O	ontinueu)	
	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	Х	379	379	0	%100
4	M4	Z	.657	.657	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP2B	X	254	254	0	%100 %100
8	MP2B	Z	.439	.439	0	%100 %100
9	MP4B	X	254	254	0	%100 %100
10	MP4B	Z	.439	.439	0	%100 %100
	MP1B					
11		X	254	254	0	%100 %400
12	MP1B	Z	.439	.439	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	0	0	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	0	0	0	%100
17	M51B	X	267	267	0	%100
18	M51B	Z	.462	.462	0	%100
19	M52B	X	267	267	0	%100
20	M52B	Z	.462	.462	0	%100
21	M76	X	64	64	0	%100
22	M76	Z	1.109	1.109	0	%100
23	M77	X	489	489	0	%100
24	M77	Z	.847	.847	0	%100
25	M80	X	515	515	0	%100
26	M80	Z	.893	.893	0	%100
27	M84	X	64	64	0	%100
28	M84	Z	1.109	1.109	0	%100
29	M85	X	489	489	0	%100
30	M85	Ž	.847	.847	0	%100
31	M91	X	515	515	0	%100
32	M91	Z	.893	.893	0	%100
33	M52A	X	095	095	0	%100 %100
34	M52A	Z	.164	.164	0	%100 %100
35	M53	X	241	241	0	%100 %100
36	M53	Z	.417	.417	0	%100 %100
37	M54	X	241	241	0	%100 %100
		Z				
38	M54		.417	.417	0	%100 %100
39	M55	X	48	48	0	%100 %100
40	M55	Z	.832	.832	0	%100 %100
41	M58A	X	267	267	0	%100 %100
42	M58A	Z	.462	.462	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	0	0	0	%100
45	M63	X	16	16	0	%100
46	M63	Z	.277	.277	0	%100
47	M64	X	489	489	0	%100
48	M64	Z	.847	.847	0	%100
49	M66	X	515	515	0	%100
50	M66	Z	.893	.893	0	%100
51	M68	X	16	16	0	%100
52	M68	Z	.277	.277	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	0	0	0	%100
55	M71	X	0	0	0	%100
56	M71	Ž	Ů Ů	0	0	%100
57	M76A	X	095	095	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft E		End Location[ft,%]
58	M76A	Z	.164	.164	0	%100
59	M77A	Х	241	241	0	%100
60	M77A	Z	.417	.417	0	%100
61	M78	Х	241	241	0	%100
62	M78	Z	.417	.417	0	%100
63	M79A	X	48	48	0	%100
64	M79A	Z	.832	.832	0	%100
65	M82	X	0	0	0	%100
66	M82	Z	0	0	0	%100
67	M83A	X	267	267	0	%100
68	M83A	Z	.462	.462	0	%100
69	M87	X	16	16	0	%100
70	M87	Z	.277	.277	0	%100
71	M88A	X	0	0	0	%100
72	M88A	Z	Ŏ	0	Ö	%100
73	M90	X	0	0	0	%100
74	M90	Z	0	0	0	%100
75	M92A	X	16	16	0	%100
76	M92A	Z	.277	.277	0	%100
77	M93	X	489	489	0	%100
78	M93	Ž	.847	.847	0	%100
79	M95	X	515	515	0	%100
80	M95	Z	.893	.893	0	%100
81	M82A	X	28	28	0	%100
82	M82A	Z	.485	.485	0	%100
83	M91B	X	28	28	0	%100
84	M91B	Ž	.485	.485	0	%100
85	MP3B	X	254	254	0	%100
86	MP3B	Ž	.439	.439	0	%100
87	MP3A	X	254	254	0	%100
88	MP3A	Z	.439	.439	0	%100
89	MP2A	X	254	254	0	%100
90	MP2A	Ž	.439	.439	0	%100
91	MP1A	X	254	254	0	%100
92	MP1A	Z	.439	.439	Ö	%100
93	MP6C	X	254	254	0	%100
94	MP6C	Z	.439	.439	0	%100
95	MP2C	X	254	254	0	%100
96	MP2C	Z	.439	.439	0	%100
97	MP5C	X	254	254	0	%100
98	MP5C	Ž	.439	.439	Ö	%100
99	M103	X	231	231	0	%100
100	M103	Ž	.4	.4	0	%100
101	M104	X	0	0	0	%100
102	M104	Z	Ů Ů	0	0	%100
103	M111	X	23	23	0	%100
104	M111	Z	.399	.399	0	%100
105	M112	X	23	23	0	%100
106	M112	Z	.399	.399	0	%100
107	M126	X	291	291	0	%100
108	M126	Z	.503	.503	0	%100
109	M127	X	291	291	0	%100
110	M127	Z	.503	.503	0	%100
111	M128	X	0	0	0	%100
112	M128	Ž	Ö	0	0	%100
113	MP1C	X	254	254	0	%100
114	MP1C	Ž	.439	.439	0	%100
	10				<u> </u>	,,,,,,



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,%]
115	M125A	X	011	011	0	%100
116	M125A	Z	.02	.02	0	%100
117	M126A	X	011	011	0	%100
118	M126A	Z	.02	.02	0	%100
119	M131	X	011	011	0	%100
120	M131	Z	.02	.02	0	%100
121	M132	X	011	011	0	%100
122	M132	Z	.02	.02	0	%100
123	MP3C	X	254	254	0	%100
124	MP3C	Z	.439	.439	0	%100
125	M138	X	011	011	0	%100
126	M138	Z	.02	.02	0	%100
127	M139	X	011	011	0	%100
128	M139	Z	.02	.02	0	%100
129	M144	X	011	011	0	%100
130	M144	Z	.02	.02	0	%100
131	M145	X	011	011	0	%100
132	M145	Z	.02	.02	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	162	162	0	%100
2	M1	Z	.093	.093	0	%100
3	M4	X	493	493	0	%100
4	M4	Z	.285	.285	0	%100
5	M10	X	139	139	0	%100
6	M10	Z	.08	.08	0	%100
7	MP2B	X	439	439	0	%100
8	MP2B	Z	.254	.254	0	%100
9	MP4B	X	439	439	0	%100
10	MP4B	Z	.254	.254	0	%100
11	MP1B	Χ	439	439	0	%100
12	MP1B	Z	.254	.254	0	%100
13	M43	Χ	139	139	0	%100
14	M43	Z	.08	.08	0	%100
15	M46	Χ	277	277	0	%100
16	M46	Z	.16	.16	0	%100
17	M51B	X	154	154	0	%100
18	M51B	Z	.089	.089	0	%100
19	M52B	X	616	616	0	%100
20	M52B	Z	.356	.356	0	%100
21	M76	X	832	832	0	%100
22	M76	Z	.48	.48	0	%100
23	M77	X	282	282	0	%100
24	M77	Z	.163	.163	0	%100
25	M80	X	298	298	0	%100
26	M80	Z	.172	.172	0	%100
27	M84	Χ	832	832	0	%100
28	M84	Z	.48	.48	0	%100
29	M85	Χ	-1.13	-1.13	0	%100
30	M85	Z	.652	.652	0	%100
31	M91	Χ	-1.19	-1.19	0	%100
32	M91	Z	.687	.687	0	%100
33	M52A	X	493	493	0	%100
34	M52A	Z	.285	.285	0	%100
35	M53	X	139	139	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,			End Location[ft,%]
36	M53	Z	.08	.08	0	%100
37	M54	X	139	139	0	%100
38	M54	Z	.08	.08	0	%100
39	M55	X	277	277	0	%100
40	M55	Z	.16	.16	0	%100
41	M58A	X	616	616	0	%100
42	M58A	Z	.356	.356	0	%100
43	M59A	X	154	154	0	%100
44	M59A	Z	.089	.089	0	%100
45	M63	X	832	832	0	%100
46	M63	Z	.48	.48	0	%100
47	M64	X	-1.13	-1.13	0	%100
48	M64	Z	.652	.652	0	%100
49	M66	X	-1.19	-1.19	0	%100
50	M66	Z	.687	.687	Ō	%100
51	M68	X	832	832	0	%100
52	M68	Z	.48	.48	0	%100
53	M69	X	282	282	0	%100
54	M69	Z	.163	.163	0	%100
55	M71	X	298	298	0	%100
56	M71	Z	.172	.172	0	%100
57	M76A	X	0	0	0	%100
58	M76A	Z	0	0	0	%100
59	M77A	X	556	556	0	%100
60	M77A	Z	.321	.321	0	%100
61	M78	X	556	556	0	%100
62	M78	Ž	.321	.321	0	%100
63	M79A	X	-1.109	-1.109	0	%100
64	M79A	Ž	.64	.64	0	%100
65	M82	X	154	154	0	%100
66	M82	Z	.089	.089	0	%100
67	M83A	X	154	154	0	%100
68	M83A	Z	.089	.089	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	0	0	0	%100
71	M88A	X	282	282	0	%100
72	M88A	Z	.163	.163	0	%100
73	M90	X	298	298	0	%100
74	M90	Z	.172	.172	0	%100
75	M92A	X	0	0	0	%100 %100
76	M92A	Ž	0	0	0	%100
77	M93	X	282	282	0	%100
78	M93	Z	.163	.163	0	%100
79	M95	X	298	298	0	%100 %100
80	M95	Z	.172	.172	0	%100
81	M82A	X	162	162	0	%100 %100
82	M82A	Z	.093	.093	0	%100
83	M91B	X	647	647	0	%100
84	M91B	Z	.374	.374	0	%100 %100
85	MP3B	X	439	439	0	%100 %100
86	MP3B	Z	.254	.254	0	%100 %100
87	MP3A	X	439	439	0	%100 %100
88	MP3A	Z	.254	.254	0	%100 %100
89	MP2A	X	439	439	0	%100 %100
90	MP2A	Z	.254	.254	0	%100 %100
91	MP1A	X	439	439	0	%100 %100
92	MP1A	Z	.254	.254	0	%100 %100
52	IVIFIA		.204	.204	U	70 100



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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
93	MP6C	X	439	439	0	%100
94	MP6C	Z	.254	.254	0	%100
95	MP2C	X	439	439	0	%100
96	MP2C	Z	.254	.254	0	%100
97	MP5C	X	439	439	0	%100
98	MP5C	Z	.254	.254	0	%100
99	M103	X	4	4	0	%100
100	M103	Z	.231	.231	0	%100
101	M104	X	133	133	0	%100
102	M104	Z	.077	.077	0	%100
103	M111	X	133	133	0	%100
104	M111	Z	.077	.077	0	%100
105	M112	X	532	532	0	%100
106	M112	Z	.307	.307	0	%100
107	M126	X	671	671	0	%100
108	M126	Z	.388	.388	0	%100
109	M127	X	168	168	0	%100
110	M127	Z	.097	.097	0	%100
111	M128	X	168	168	0	%100
112	M128	Z	.097	.097	0	%100
113	MP1C	X	439	439	0	%100
114	MP1C	Ž	.254	.254	0	%100
115	M125A	X	0	0	0	%100
116	M125A	Z	0	0	0	%100
117	M126A	X	0	0	0	%100
118	M126A	Z	0	0	0	%100
119	M131	X	0	0	0	%100
120	M131	Z	0	0	0	%100
121	M132	X	0	0	0	%100
122	M132	Ž	0	0	0	%100
123	MP3C	X	439	439	0	%100
124	MP3C	Z	.254	.254	0	%100
125	M138	X	0	0	0	%100
126	M138	Ž	Ů	0	0	%100
127	M139	X	0	0	0	%100
128	M139	Z	Ö	0	0	%100
129	M144	X	0	0	0	%100 %100
130	M144	Z	0	0	0	%100
131	M145	X	0	0	0	%100 %100
132	M145	7	0	0	0	%100 %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	56	56	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	19	19	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	482	482	0	%100
6	M10	Z	0	0	0	%100
7	MP2B	X	507	507	0	%100
8	MP2B	Z	0	0	0	%100
9	MP4B	X	507	507	0	%100
10	MP4B	Z	0	0	0	%100
11	MP1B	X	507	507	0	%100
12	MP1B	Z	0	0	0	%100
13	M43	X	482	482	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	Start Location[ft,%]	End Location[ft,%]
14	M43	Z	0	0	0	%100
15	M46	X	961	961	0	%100
16	M46	Z	0	0	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	0	0	0	%100
19	M52B	X	533	533	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	32	32	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	0	0	0	%100
24	M77	Ž	Ö	0	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	Ö	0	0	%100
27	M84	X	32	32	0	%100
28	M84	Z	0	0	0	%100 %100
29	M85	X	978	978	0	%100 %100
30	M85	Z	0	0	0	%100 %100
31	M91	X	-1.031	-1.031	0	%100 %100
32	M91	Z	-1.031	-1.031	0	%100 %100
33	M52A	X	759	759	0	%100 %100
34	M52A	Z	0	/39	0	%100 %100
35	M53	X	0	0	0	%100 %100
36	M53	Z	0	0	0	%100 %100
37	M54	X	0	0	0	%100 %100
38	M54	Ž	0	0	0	%100 %100
39	M55	X	0	0	0	%100 %100
		Z		0		
40	M55		522		0	%100 %100
41	M58A	X Z	533	533	0	%100 %400
42	M58A		0	0	0	%100
43	M59A	X	533	533	0	%100
44	M59A	Z	0	0	0	%100 %400
45	M63	X	-1.281	-1.281	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	978	978	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	-1.031	-1.031	0	%100
50	<u>M66</u>	Z	0	0	0	%100
51	M68	X	-1.281	-1.281	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	978	978	0	%100 %100
54	M69	Z	0	0	0	%100 %400
55	M71	X	-1.031	-1.031	0	%100 %400
56	M71	Z	0	0	0	%100 %400
57	M76A	X	19	19	0	%100
58	M76A	Z	0	0	0	%100 %400
59	M77A	X	482	482	0	%100 %400
60	M77A	Z	0	0	0	%100
61	M78	X	482	482	0	%100
62	M78	Z	0	0	0	%100 %400
63	M79A	X	961	961	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	533	533	0	%100
66	M82	Z	0	0	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	0	0	0	%100
69	M87	X	32	32	0	%100
70	M87	Z	0	0	0	%100

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

	Member Label	Direction		End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
71	M88A	X	978	978	0	%100
72	M88A	Z	0	0	0	%100
73	M90	X	-1.031	-1.031	0	%100
74	M90	Z	0	0	0	%100
75	M92A	X	32	32	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	0	0	0	%100
79	M95	X	0	0	0	%100
80	M95	Z	0	0	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	0	0	0	%100
83	M91B	X	56	56	0	%100
84	M91B	Z	0	0	0	%100
85	MP3B	X	507	507	0	%100
86	MP3B	Z	0	0	0	%100
87	MP3A	X	507	507	0	%100
88	MP3A	Z	0	0	0	%100
89	MP2A	X	507	507	0	%100
90	MP2A	Z	0	0	0	%100
91	MP1A	X	507	507	0	%100
92	MP1A	Z	0	0	0	%100
93	MP6C	X	507	507	0	%100
94	MP6C	Z	0	0	0	%100
95	MP2C	X	507	507	0	%100
96	MP2C	Z	0	0	0	%100
97	MP5C	X	507	507	0	%100
98	MP5C	Z	0	0	0	%100
99	M103	X	462	462	0	%100
100	M103	Z	0	0	0	%100
101	M104	X	46	46	0	%100
102	M104	Z	0	0	0	%100
103	M111	X	0	0	0	%100
104	M111	Z	0	0	0	%100
105	M112	X	46	46	0	%100
106	M112	Z	0	0	0	%100
107	M126	X	581	581	0	%100
108	M126	Z	0	0	0	%100
109	M127	Х	0	0	0	%100
110	M127	Z	0	0	0	%100
111	M128	X	581	581	0	%100
112	M128	Z	0	0	0	%100
113	MP1C	Х	507	507	0	%100
114	MP1C	Z	0	0	0	%100
115	M125A	X	023	023	0	%100
116	M125A	Z	0	0	0	%100
117	M126A	X	023	023	0	%100
118	M126A	Z	0	0	0	%100
119	M131	X	023	023	0	%100
120	M131	Z	0	0	0	%100
121	M132	X	023	023	0	%100
122	M132	Z	0	0	0	%100
123	MP3C	X	507	507	0	%100
124	MP3C	Ž	0	0	0	%100
125	M138	X	023	023	0	%100
126	M138	Z	0	0	0	%100
127	M139	X	023	023	0	%100
					·	

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
128	M139	Z	0	0	0	%100
129	M144	X	023	023	0	%100
130	M144	Z	0	0	0	%100
131	M145	X	023	023	0	%100
132	M145	Z	0	0	0	%100

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

	Member Label	Direction		.End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
1	M1	X	647	647	0	%100
2	M1	Z	374	374	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	556	556	0	%100
6	M10	Z	321	321	0	%100
7	MP2B	X	439	439	0	%100
8	MP2B	Z	254	254	0	%100
9	MP4B	X	439	439	0	%100
10	MP4B	Z	254	254	0	%100
11	MP1B	X	439	439	0	%100
12	MP1B	Z	254	254	0	%100
13	M43	X	556	556	0	%100
14	M43	Z	321	321	0	%100
15	M46	X	-1.109	-1.109	0	%100
16	M46	Z	64	64	0	%100
17	M51B	X	154	154	0	%100
18	M51B	Z	089	089	0	%100
19	M52B	X	154	154	0	%100
20	M52B	Z	089	089	0	%100
21	M76	X	0	0	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	282	282	0	%100
24	M77	Z	163	163	0	%100
25	M80	X	298	298	0	%100
26	M80	Z	172	172	0	%100
27	M84	X	0	0	0	%100
28	M84	Z	0	0	0	%100
29	M85	X	282	282	0	%100
30	M85	Z	163	163	0	%100
31	M91	X	298	298	0	%100
32	M91	Z	172	172	0	%100
33	M52A	X	493	493	0	%100
34	M52A	Z	285	285	0	%100
35	M53	X	139	139	0	%100
36	M53	Z	08	08	0	%100
37	M54	X	139	139	0	%100
38	M54	Z	08	08	0	%100
39	M55	X	277	277	0	%100
40	M55	Z	16	16	0	%100
41	M58A	X	154	154	0	%100
42	M58A	Z	089	089	0	%100
43	M59A	X	616	616	0	%100
44	M59A	Z	356	356	0	%100
45	M63	X	832	832	0	%100
46	M63	Z	48	48	0	%100
47	M64	X	282	282	0	%100
48	M64	Z	163	163	0	%100

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

	Member Label	Direction	 	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
49	M66	X	298	298	0	%100
50	M66	Z	172	172	0	%100
51	M68	X	832	832	0	%100
52	M68	Z	48	48	0	%100
53	M69	X	-1.13	-1.13	0	%100
54	M69	Z	652	652	0	%100
55	M71	X	-1.19	-1.19	0	%100
56	M71	Z	687	687	0	%100
57	M76A	X	493	493	0	%100
58	M76A	Z	285	285	0	%100
59	M77A	X	139	139	0	%100
60	M77A	Z	08	08	0	%100
61	M78	Х	139	139	0	%100
62	M78	Z	08	08	0	%100
63	M79A	X	277	277	0	%100
64	M79A	Z	16	16	0	%100
65	M82	X	616	616	0	%100
66	M82	Z	356	356	0	%100
67	M83A	X	154	154	0	%100
68	M83A	Z	089	089	0	%100
69	M87	X	832	832	0	%100
70	M87	Z	48	48	0	%100
71	M88A	X	-1.13	-1.13	0	%100
72	M88A	Z	652	652	0	%100
73	M90	X	-1.19	-1.19	0	%100
74	M90	Z	687	687	0	%100
75	M92A	X	832	832	0	%100
76	M92A	Z	48	48	0	%100
77	M93	X	282	282	0	%100
78	M93	Z	163	163	0	%100
79	M95	X	298	298	0	%100
80	M95	Z	172	172	0	%100
81	M82A	X	162	162	0	%100
82	M82A	Ž	093	093	0	%100
83	M91B	X	162	162	0	%100 %100
84	M91B	Z	093	093	0	%100
85	MP3B	X	439	439	0	%100 %100
86	MP3B	Z	254	254	0	%100 %100
87	MP3A	X	439	439	0	%100 %100
88	MP3A	Z	254	254	0	%100 %100
89	MP2A	X	439	439	0	%100 %100
90	MP2A	Z	254	254	0	%100 %100
91	MP1A	X	439	439	0	%100 %100
92	MP1A	Z	254	254	0	%100
93	MP6C	X	439	439	0	%100 %100
94	MP6C	Z	254	254	0	%100 %100
95	MP2C	X	439	439	0	%100 %100
96	MP2C	Z	254	254	0	%100 %100
97	MP5C	X	439	439	0	%100 %100
98	MP5C	Z	254	254	0	%100 %100
99	M103	X	4	4	0	%100 %100
100	M103	Z	231	231	0	%100 %100
101	M104	X	532	532	0	%100 %100
102	M104	Z	307	307	0	%100 %100
103	M111	X	133	133	0	%100 %100
104	M111	Z	133	077	0	%100 %100
105	M112	X	133	133	0	%100 %100
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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,%]
106	M112	Z	077	077	0	%100
107	M126	X	168	168	0	%100
108	M126	Z	097	097	0	%100
109	M127	Χ	168	168	0	%100
110	M127	Z	097	097	0	%100
111	M128	X	671	671	0	%100
112	M128	Z	388	388	0	%100
113	MP1C	X	439	439	0	%100
114	MP1C	Z	254	254	0	%100
115	M125A	X	059	059	0	%100
116	M125A	Z	034	034	0	%100
117	M126A	X	059	059	0	%100
118	M126A	Z	034	034	0	%100
119	M131	X	059	059	0	%100
120	M131	Z	034	034	0	%100
121	M132	X	059	059	0	%100
122	M132	Z	034	034	0	%100
123	MP3C	X	439	439	0	%100
124	MP3C	Z	254	254	0	%100
125	M138	X	059	059	0	%100
126	M138	Z	034	034	0	%100
127	M139	X	059	059	0	%100
128	M139	Z	034	034	0	%100
129	M144	Χ	059	059	0	%100
130	M144	Z	034	034	0	%100
131	M145	Χ	059	059	0	%100
132	M145	Z	034	034	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
1	M1	X	28	28	0	%100
2	M1	Z	485	485	0	%100
3	M4	X	095	095	0	%100
4	M4	Z	164	164	0	%100
5	M10	X	241	241	0	%100
6	M10	Z	417	417	0	%100
7	MP2B	X	254	254	0	%100
8	MP2B	Z	439	439	0	%100
9	MP4B	X	254	254	0	%100
10	MP4B	Z	439	439	0	%100
11	MP1B	X	254	254	0	%100
12	MP1B	Z	439	439	0	%100
13	M43	X	241	241	0	%100
14	M43	Z	417	417	0	%100
15	M46	X	48	48	0	%100
16	M46	Z	832	832	0	%100
17	M51B	X	267	267	0	%100
18	M51B	Z	462	462	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	16	16	0	%100
22	M76	Z	277	277	0	%100
23	M77	X	489	489	0	%100
24	M77	Z	847	847	0	%100
25	M80	Χ	515	515	0	%100
26	M80	Z	893	893	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,			End Location[ft,%]
27	M84	X	16	16	0	%100
28	M84	Z	277	277	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	095	095	0	%100
34	M52A	Z	164	164	0	%100
35	M53	Х	241	241	0	%100
36	M53	Z	417	417	0	%100
37	M54	X	241	241	0	%100
38	M54	Z	417	417	0	%100
39	M55	Х	48	48	0	%100
40	M55	Z	832	832	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	267	267	0	%100
44	M59A	Z	462	462	0	%100
45	M63	X	16	16	0	%100
46	M63	Z	277	277	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	16	16	0	%100
52	M68	Z	277	277	0	%100
53	M69	X	489	489	0	%100
54	M69	Z	847	847	0	%100
55	M71	X	515	515	0	%100
56	M71	Z	893	893	0	%100
57	M76A	X	379	379	0	%100
58	M76A	Z	657	657	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	0	0	0	%100
61	M78	X	0	0	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	267	267	0	%100
66	M82	Z	462	462	0	%100 %100
67	M83A	X Z	267	267	0	%100 %100
68	M83A		462	462		%100 %100
69	M87 M87	X Z	64 -1.109	64 -1.109	0	%100 %100
70 71						%100 %100
71	M88A M88A	X Z	489 847	489 847	0	%100 %100
73	M90	X	84 <i>7</i> 515	84 <i>7</i> 515	0	%100 %100
74	M90 M90	Z	893	893	0	%100 %100
75	M92A	X	64	64	0	%100 %100
76	M92A	Ž	-1.109	-1.109	0	%100 %100
77	M93	X	489	489	0	%100 %100
78	M93	Z	847	847	0	%100 %100
79	M95	X	515	515	0	%100 %100
80	M95	Z	893	893	0	%100 %100
81	M82A	X	28	28	0	%100 %100
82	M82A	Z	485	485	0	%100 %100
83	M91B	X	0	0	0	%100 %100
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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,%]
84	M91B	Z	0	0	0	%100
85	MP3B	X	254	254	0	%100
86	MP3B	Z	439	439	0	%100
87	MP3A	X	254	254	0	%100
88	MP3A	Z	439	439	0	%100
89	MP2A	X	254	254	0	%100
90	MP2A	Z	439	439	0	%100
91	MP1A	X	254	254	0	%100
92	MP1A	Z	439	439	0	%100
93	MP6C	X	254	254	0	%100
94	MP6C	Z	439	439	0	%100
95	MP2C	X	254	254	0	%100
96	MP2C	Z	439	439	0	%100
97	MP5C	X	254	254	0	%100
98	MP5C	Z	439	439	0	%100
99	M103	X	231	231	0	%100
100	M103	Z	4	4	0	%100
101	M104	X	23	23	0	%100
102	M104	Z	399	399	0	%100
103	M111	X	23	23	0	%100
104	M111	Z	399	399	0	%100
105	M112	X	0	0	0	%100
106	M112	Z	0	0	0	%100
107	M126	Х	0	0	0	%100
108	M126	Z	0	0	0	%100
109	M127	X	291	291	0	%100
110	M127	Z	503	503	0	%100
111	M128	Х	291	291	0	%100
112	M128	Z	503	503	0	%100
113	MP1C	X	254	254	0	%100
114	MP1C	Z	439	439	0	%100
115	M125A	X	046	046	0	%100
116	M125A	Z	079	079	0	%100
117	M126A	X	046	046	0	%100
118	M126A	Z	079	079	0	%100
119	M131	X	046	046	0	%100
120	M131	Z	079	079	0	%100
121	M132	X	046	046	0	%100
122	M132	Z	079	079	0	%100
123	MP3C	X	254	254	0	%100
124	MP3C	Ž	439	439	0	%100
125	M138	X	046	046	0	%100
126	M138	Z	079	079	0	%100
127	M139	X	046	046	0	%100
128	M139	Z	079	079	0	%100
129	M144	X	046	046	0	%100 %100
130	M144	Z	079	079	0	%100 %100
131	M145	X	046	046	0	%100 %100
132	M145	Z	079	079	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
1	M82	Υ	-1.665	-4.226	0	.832
2	M82	Υ	-4.226	-6.901	.832	1.665
3	M82	Υ	-6.901	-8.189	1.665	2.497
4	M82	Υ	-8.189	-6.544	2.497	3.329



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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,F	. Start Location[ft,%]	End Location[ft,%]
5	M82	Υ	-6.544	-3.463	3.329	4.162
6	M83A	Υ	-3.469	-6.578	0	.832
7	M83A	Υ	-6.578	-8.256	.832	1.665
8	M83A	Υ	-8.256	-7.041	1.665	2.497
9	M83A	Υ	-7.041	-4.429	2.497	3.329
10	M83A	Υ	-4.429	-1.881	3.329	4.162
11	M58A	Υ	-1.664	-4.227	0	.832
12	M58A	Υ	-4.227	-6.899	.832	1.665
13	M58A	Υ	-6.899	-8.187	1.665	2.497
14	M58A	Υ	-8.187	-6.544	2.497	3.329
15	M58A	Υ	-6.544	-3.463	3.329	4.162
16	M59A	Υ	-3.462	-6.572	0	.832
17	M59A	Υ	-6.572	-8.261	.832	1.665
18	M59A	Υ	-8.261	-7.048	1.665	2.497
19	M59A	Υ	-7.048	-4.428	2.497	3.329
20	M59A	Υ	-4.428	-1.883	3.329	4.162
21	M51B	Υ	-1.883	-4.428	0	.832
22	M51B	Υ	-4.428	-7.048	.832	1.665
23	M51B	Υ	-7.048	-8.261	1.665	2.497
24	M51B	Υ	-8.261	-6.572	2.497	3.329
25	M51B	Υ	-6.572	-3.462	3.329	4.162
26	M52B	Υ	-3.463	-6.544	0	.832
27	M52B	Υ	-6.544	-8.187	.832	1.665
28	M52B	Υ	-8.187	-6.899	1.665	2.497
29	M52B	Υ	-6.899	-4.227	2.497	3.329
30	M52B	Υ	-4.227	-1.664	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	M82	Υ	-3.22	-8.172	0	.832
2	M82	Υ	-8.172	-13.344	.832	1.665
3	M82	Υ	-13.344	-15.836	1.665	2.497
4	M82	Υ	-15.836	-12.653	2.497	3.329
5	M82	Y	-12.653	-6.696	3.329	4.162
6	M83A	Υ	-6.708	-12.719	0	.832
7	M83A	Υ	-12.719	-15.963	.832	1.665
8	M83A	Υ	-15.963	-13.616	1.665	2.497
9	M83A	Υ	-13.616	-8.565	2.497	3.329
10	M83A	Υ	-8.565	-3.637	3.329	4.162
11	M58A	Υ	-3.217	-8.174	0	.832
12	M58A	Υ	-8.174	-13.341	.832	1.665
13	M58A	Υ	-13.341	-15.832	1.665	2.497
14	M58A	Υ	-15.832	-12.655	2.497	3.329
15	M58A	Υ	-12.655	-6.696	3.329	4.162
16	M59A	Υ	-6.695	-12.708	0	.832
17	M59A	Y	-12.708	-15.974	.832	1.665
18	M59A	Υ	-15.974	-13.628	1.665	2.497
19	M59A	Υ	-13.628	-8.562	2.497	3.329
20	M59A	Υ	-8.562	-3.641	3.329	4.162
21	M51B	Υ	-3.641	-8.562	0	.832
22	M51B	Υ	-8.562	-13.628	.832	1.665
23	M51B	Υ	-13.628	-15.974	1.665	2.497
24	M51B	Υ	-15.974	-12.708	2.497	3.329
25	M51B	Υ	-12.708	-6.695	3.329	4.162
26	M52B	Υ	-6.696	-12.655	0	.832
27	M52B	Υ	-12.655	-15.832	.832	1.665



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,%]
28	M52B	Υ	-15.832	-13.341	1.665	2.497
29	M52B	Υ	-13.341	-8.174	2.497	3.329
30	M52B	Υ	-8.174	-3.217	3.329	4.162

Member Area Loads (BLC 39 : Structure D)

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

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N141	N118	N117	N139	Υ	Two Way	01
2	N90	N113	N111	N89	Υ	Two Way	01
3	N6	N87C	N87B	N7	Υ	Two Way	01

Member Area Loads (BLC 84 : Structure Ev)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N141	N118	N117	N139	Υ	Two Way	0
2	N90	N113	N111	N89	Υ	Two Way	0
3	N6	N87C	N87B	N7	Υ	Two Way	0

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N141	N118	N117	N139	Z	Two Way	000156
2	N90	N113	N111	N89	Z	Two Way	000156
3	N6	N87C	N87B	N7	7	Two Way	000156

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N141	N118	N117	N139	X	Two Way	.000156
2	N90	N113	N111	N89	X	Two Way	.000156
3	N6	N87C	N87B	N7	X	Two Way	.000156

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N3	max	1522.031	11	2048.531	17	1588.562	12	755	11	1.125	8	3.868	17
2		min	-1370.552	5	567.185	11	-1516.401	6	-2.934	29	-1.103	2	.436	11
3	N87D	max	1536.705	10	2925.628	13	2471.11	1	6.39	13	2.233	4	.221	4
4		min	-1518.087	4	890.001	7	-2637.451	7	.809	7	-2.252	10	476	10
5	N115	max	1714.561	9	1592.75	45	1065.425	3	091	3	.657	4	151	3
6		min	-1880.755	3	350.395	3	-970.702	9	-2.211	45	643	10	-3.217	45
7	Totals:	max	4502.138	10	6226.484	14	4807.49	1						
8		min	-4502.209	4	2930.523	8	-4807.43	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear	Loc[ft]	Dir	LC	phi*Pnc [.phi*Pnt [lb]	phi*Mn y	phi*Mn z	Cb	Egn
1	M1	PIPE 3.0	.132	8.464	13	.048	6.25		11	28250.554	65205	5.749	5.749	1	H1-1b
2	M4	HSS4X4X4	.311	0	17	.122	0	٧	33	124657.7	139518	16.181	16.181	2	H1-1b
3	M10	HSS4X4X4	.141	2.375	18	.061	2.375	У	35	136263.03	139518	16.181	16.181	1	H1-1b



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

	Member	Shape	Code Check	Loc[ft] LC	Shear	. Loc[ft]	Dir	LC	phi*Pnc [.phi*Pnt [lb]	phi*Mn y	. phi*Mn z.	Cb Eqn
4	MP2B	PIPE 2.0	.403	2.875 1	.135	2.875		3	20866.733	32130	1.872	1.872	3 H1-1b
5	MP4B	PIPE 2.0	.202	2.5 11	.086	2.5		11	14916.096	32130	1.872	1.872	2 H1-1b
6	MP1B	PIPE 2.0	.320	2.875 1	.124	2.875		12	20866.733	32130	1.872	1.872	4 H1-1b
7	M43	HSS4X4X4	.118	0 17	.034	0	V	17	136263.03		16.181	16.181	1 H1-1b
8	M46	PL1/2x6	.180	.516 5	.101	.516	v	14	66009.234		1.012	12.15	1 H1-1b
9	M51B	L2x2x3	.162	4.162 6	.010	4.162		21		23392.8	.558	1.089	1 H2-1
10	M52B	L2x2x3	.109	0 4	.011	0	v		9823.122	23392.8	.558	1.091	1 H2-1
11	M76	PL3/8x6	.225	0 8	.140	0	V		70677.939	72900	.57	9.113	1 H1-1b
12	M77	PL3/8x6	.232	.167 12	.303	0	V	_	71601.728	72900	.57	9.113	1 H1-1b
13	M80	PL1/2x6	.043	.112 9	.081	0	_ y		96757.507	97200	1.012	12.15	1 H1-1b
14	M84	PL3/8x6	.267	0 10		0			70677.939	72900	.57	9.113	2.2 H1-1b
15	M85	PL3/8x6	.199	.167 11	.216	0	V		71601.728	72900	.57	9.113	1 H1-1b
16	M91	PL3/6x6	.065	.112 5	.036	.112	V		96757.507	97200	1.012	12.15	1 H1-1b
17	M52A	HSS4X4X4	.407		.100	0	V		124657.7	139518	16.181	16.181	2 H1-1b
18	M53	HSS4X4X4	.170	0 23 2.375 14		2.375			136263.03	139518	16.181	16.181	1 H1-1b
19	M54	HSS4X4X4	.170	0 24		0	_					16.181	11111
							У		66009.234		16.181		
20	M55	PL1/2x6	.160		.105	.516	У	_			1.012	12.15	1 H1-1b
21	M58A	L2x2x3	.156	4.162 2	.011	4.162	У	17		23392.8	.558	1.091	1 H2-1
22	M59A	L2x2x3	.163	4.162 11	.013	4.162	У		9823.122 70677.939	23392.8	.558	1.071	1 H2-1
23	M63	PL3/8x6	.199	0 5	.111	0	У	_		72900	.57	9.113	1 H1-1b
24	M64	PL3/8x6	.263	.167 8	.360	0	У		71601.728	72900	.57	9.113	2 H1-1b
25	M66	PL1/2x6	.076	.112 11	.067	0	У		96757.507 70677.939	97200	1.012	12.15	1 H1-1b
26	M68	PL3/8x6	.283	0 4	.236	0	У	_		72900	.57	9.113	1 H1-1b
27	M69	PL3/8x6	.245	.167 6	.406	0	У		71601.728	72900	.57	9.113	1 H1-1b
28	M71	PL1/2x6	.061	.112 1	.048	0	У		96757.507	97200	1.012	12.15	1 H1-1b
29	M76A	HSS4X4X4	.242	0 46		0		_	124657.7	139518	16.181	16.181	2 H1-1b
30	M77A	HSS4X4X4	.118	2.375 22	.033	.223	Z		136263.03	139518	16.181	16.181	1 H1-1b
31	M78	HSS4X4X4	.091	0 44	.037	0			136263.03		16.181	16.181	1 H1-1b
32	M79A	PL1/2x6	.173	.516 3	.113	.516			66009.234		1.012	12.15	1 H1-1b
33	M82	L2x2x3	.135	4.162 10	.012	4.162			9823.122	23392.8	.558	1.091	1 H2-1
34	M83A	L2x2x3	.123	0 8	.010	0	У	17	9823.122	23392.8	.558	1.089	1 H2-1
35	M87	PL3/8x6	.294	0 1	.231	0	У		70677.939 71601.728	72900	.57	9.113	2 H1-1b
36	M88A	PL3/8x6	.247	.167 4	.227	0	У		96757.507	72900	.57	9.113	1 H1-1b
37	M90	PL1/2x6	.060	.112 9	.068	.112	У			97200	1.012	12.15	1 H1-1b
38	M92A	PL3/8x6	.222	0 2	.156	0	_		70677.939	72900	.57	9.113	
39	M93	PL3/8x6	.198	.167 3	.194	0			71601.728	72900	.57	9.113	1 H1-1b
40	M95	PL1/2x6	.059	.112 3 11.589 41	.124	0	У		96757.507 28250.554	97200	1.012	12.15	1 H1-1b
41	M82A	PIPE 3.0	.117	<u> </u>	.053	3.906			28250.554 28250.554	65205	5.749	5.749	1 H1-1b
42	M91B	PIPE 3.0	.161	8.464 17	.082	2.865			20866.733	65205	5.749	5.749	1 H1-1b
43	MP3B	PIPE 2.0	.246	2.875 8	.081	2.875		4	14916.096	32130	1.872	1.872	3 H1-1b 2 H1-1b
44	MP3A	PIPE 2.0	.340	5 5		2.5			20866.733		1.872		
45	MP2A	PIPE 2.0	.391	2.875 12 2.875 10		2.875			20866.733		1.872	1.872	2 H1-1b
46	MP1A	PIPE 2.0	.225 .467			2.875			14916.096		1.872	1.872	3 H1-1b 2 H1-1b
47	MP6C MP2C	PIPE 2.0	.436	5 12	.094	2.5 2.875			20866.733		1.872		4 H1-1b
48				2.875 6		2.875			20866.733 20866.733		1.872	1.872	1 H1-1b
49	MP5C M103	PIPE 2.0	.437	2.875 5 3.5 9	.237	3.5			26521.424		1.872 1.872		
50	M104	PIPE 2.0	.160	1.302 1	.034	11.328			14558.792	50715		1.872	
51	M111	PIPE 2.5	.150 .138	11.198 5	.062	1.302			14558.792		3.596	3.596	1 H1-1b
52 53	M112	PIPE 2.5		2.865 17		1.172			14558.792		3.596	3.596	2 H1-1b
53 54	M126	L3X3X4	.189 .214	0 12		.871	٧		42142.221		3.596	3.596 3.756	2 H1-10
54					.034	2.143		_	42142.221 42142.221		1.688		
<u>55</u>	M127	L3X3X4	.286	2.143 5 2.143 7					42142.221 42142.221		1.688	3.756	
<u>56</u>	M128 MP1C	PIPE 2.0	.219 .121		.041	1	Z		20866.733		1.688 1.872	3.756	1 H2-1 1 H1-1b
57 58	M125A	SR 0.625	.701	0 21		0				9940.19		1.872	1 H1-1b
59	M125A M126A	SR_0.625	.697	0 21		0				9940.19	.104 .104	.104	1 H1-1b
60	M131			0 21		0				9940.19	.104	.104	1 H1-1b
OU	IVIIJI	SR_0.625	.410	0 15	.100	U		μIJ	34 10.014	3340.19	.104	.104	I - I D

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear	Loc[ft]	Dir	LC	phi*Pnc [phi*Pnt [lb]	phi*Mn y	phi*Mn z	.Cb E	<u>gn</u>
61	M132	SR 0.625	.412	0	15	.182	0		16	9418.514	9940.19	.104	104	1 H1	1-1b
62	MP3C	PIPE 2.0	.065	3.417	10	.037	1		3	14916.096	32130	1.872	1.872	1 H1	1-1b
63	M138	SR 0.625	.380	0	9	.167	0		9	9418.514	9940.19	.104	.104	1 H1	1-1b
64	M139	SR 0.625	.373	0	9	.165	0		21	9418.514	9940.19	.104	.104	1 H1	1-1b
65	M144	SR 0.625	.323	0	3	.145	0		3	9418.514	9940.19	.104	.104	1 H1	1-1b
66	M145	SR 0.625	.324	0	3	.147	0		3	9418.514	9940.19	.104	.104	1 H1	1-1b



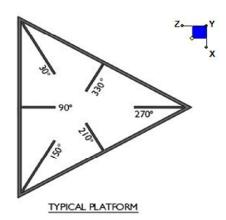
Client:	Verizon Wireless	Date:	1/17/2022
Site Name:	Stonington East CT		
Project No.	21777818A		
Title:	Antenna Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

Nodes	Orientation
(labeled per RISA)	(per graphic of typical platform)
N115	30
N3	150
N87D	270



Tower Connection Bolt Checks

Any moment resistance?:

Bolt Quantity per Reaction:

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

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

Bolt Type:

Bolt Diameter (in):

Required Tensile Strength (kips):

Required Shear Strength (kips):

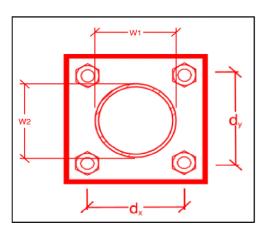
Tensile Strength / bolt (kips):

Shear Strength / bolt (kips):

Tensile Capacity Overall:

Shear Capacity Overall:

yes	
4	
8.5	
8.5	
A325N	
0.625	
21.0	
7.9	
20.7	
12.4	
25.3%*	
15.9%	



*Note: Tension reduction not required if tension or shear capacity < 30%

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:

Plate Width (in):

Plate Height (in):

W1 (in):

W2 (in):

Fy (ksi, plate):

t_{Plate} (in):

Weld Size (1/16 in):

Phi*Rn (kip/in):

Required Weld Strength (kip/in):

Plate Bending Capacity:

Weld Capacity:

Rect
10
10
4
4
36
0.625
3

<u>Max Plate Bending Strengths</u>

 Mu_{xx} (kip-in): 19.8 Phi^*Mn_{xx} (kip-in): 31.6 Mu_{yy} (kip-in): 1.2 Phi^*Mn_{yy} (kip-in): 31.6

4.18	Mu _{xx} (kip-
3.62	Phi*Mn _{xx} (k
66.3%	Mu _{yy} (kip
86.8%	Phi*Mn _{yy} (k



Maser Consulting Connecticut

<u>Subject</u> TIA-222-H Adoption and Wind Speed Usage

Site Information Site ID: 469139-VZW / NE STONINGTON EAST

Site Name: NE STONINGTON EAST

Carrier Name: Verizon Wireless Address: 86 Voluntown Rd

Stonington, Connecticut 06379

New London County

Latitude: 41.405539° Longitude: -71.845244°

<u>Structure Information</u>

Tower Type: 195-Ft Monopole

Mount Type: 12.50-Ft Platform

To Whom It May Concern,

We respectfully submit the above referenced Antenna Mount Structural Analysis report in conformance with ANSI/TIA-222-H, Structural Standard for Antenna Supporting Structures and Antennas and Small Wind Turbine Support Structures.

The 2015 International Building Code states that, in Section 3108, telecommunication towers shall be designed and constructed in accordance with the provisions of TIA-222. The TIA-222-H is the latest revision of the TIA-222 Standard, effective as of January 01, 2018.

As with all ANSI standards and engineering best practice is to apply the most current revision of the standard. This ensures the engineer is applying all updates. As an example, the TIA-222-H standard includes updates to bring it in line with the latest AISC and ACI standards and it also incorporates the latest wind speed maps by ASCE 7 based on updated studies of the wind data.

The TIA-222-H standard clarifies these specific requirements for the antenna mount analysis such as modeling methods, seismic analysis, 30-degree increment wind directions and maintenance loading. Therefore, it is our opinion that TIA-222-H is the most appropriate standard for antenna mount structural analysis and is acceptable for use at this site to ensure the engineer is taking into account the most current engineering standard available.

Sincerely,

Peter Albano, PE Project Manager

2000 Midlantic Drive - Suite 100, Mt. Laurel, New Jersey 08054 Phone: (856) 797-0412



MOUNT MODIFICATION DRAWINGS **EXISTING 12.5' PLATFORM**

Verizon

TOWER OWNER SITE NUMBER: CT0595 TOWER OWNER: SBA TOWERS

CARRIER SITE NAME: STONINGTON EAST CT CARRIER SITE NUMBER: 469139 FUZE ID: 16142480

STONINGTON, CONNECTICUT 06379 NEW LONDON COUNTY 86 VOLUNTOWN ROAD

LONGITUDE: 71.845244° W LATITUDE: 41.405539° N

DESIGN CRITERIA

BASIC WIND SPEED (3 SECOND GUST), V = 128 MPH
EVPOSURE CATEGORY B
TOPOGRAPHIC CATEGORY
MEN BASE ELEVATION (APSE.) = 51.06'

ICE LOADS

ICE WIND SPEED (3 SECOND GUST), V = 50 MPH ICE THICKNESS = 1.00 IN

SEISMIC LOADS

SEISMIC DESIGN CATEGORY B SHORT TERM MCER GROUND MOTION, S_S = .184 LONG TERM MCER GROUND MOTION, S_I = .052

PROJECT INFORMATION APPLICANT/LESSEE

VERIZON WIRELESS
118 FLANDERS ROAD, THIRD FLOOR
WETBOROUGH, MA 01581
ANDREW CANDIELLO
ANDREW CANDIELLO
ANDREW.CANDIELLO
ANDREW.CANDIELLO
ANDREW.CANDIELLO
ANDREW.CANDIELLO VERIZON WIRELESS CLIENT REPRESENTATIVE COMPANY: ADDRESS: CITY, STATE, ZIP: CONTACT: EMAIL:

PROJECT MANAGER

maser consulting Peter albano 856.797-0412 Peter albano@colliersengineering.com

SBOM-I BILL OF MATERIALS SGN-I GENERAL NOTES SCF-I CLIMBING FACILITY DETAIL

SHEET INDEX

SS-1 MODIFICATION DETAILS
SS-2 MOUNT PHOTOS SPECIFICATION SHEETS

STONINGTON EAST CT 469139

SITE NAME:

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TITLE SHEET ST-I

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PMI LOCATION: SMART TOOL PROJECT #: VZW LOCATION CODE (PSLC): ANALYSIS DAI ANALYSIS EMBEDDEE

86 VOLUNTOWN ROAD STONINGTON. CONNECTICUT 06379 NEW LONDON COUNTY

			BII	BILL OF MATERIALS		
			SECT	SECTION I - VZWSMART KITS		
QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
-		VZWSMART-PLK!	SUPPORT RAIL KIT	RADIO ANDIOR THE POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL, AS SHOWN, EOR SHALL BE NOTHED FEQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPECACMTRACTOR TO VERY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE STRUCTURAL STEEL NOTES ON SHEET SORM.	504	504
-		VZWSMART-MSK6	BACK TO BACK CROSSOVER		34	34
-		P40-238X048	48" LONG, P2 STD PIPE		5]	15
_		P40-238X072	72" LONG, P2 STD PIPE		22	22
-	VZWSMART	P40-238X096	96" LONG, P2 STD PIPE		30	30
2		VZWSMART-MSK3	PIPE TO PIPE CLAMP SET		28	56
			SECTION	SECTION 2 - OTHER REQUIRED PARTS		
QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)

	COMMSCOPE
CONTACT	SALVADOR ANGUIANO
PHONE	(817) 304-7492
EMAIL	SALVADOR.ANGUIANO@COMMSCOPE.COM
WEBSITE	WWW.COMMSCOPE.COM
Ą	METROSITE FABRICATORS, LLC
CONTACT	KENT RAMEY
PHONE	(706) 335-7045 (O), (706) 982-9788 (M)
EMAIL	KENT@METROSITELLC.COM
WEBSITE	METROSITEFABRICATORS.COM
	PERFECTVISION
CONTACT	WIRELESS SALES
PHONE	(844) 887-6723
EMAIL	WWW.PERFECT-VISION.COM

NOTES:

- THE MANUFACTURERS LISTED ARE THE APPROVED VENDORS FOR THE VZW MOUNT KITS. AECH MANUFACTURER WILL BE AWARE FOR WHICH KITS HAVE BEEN THROUGH THE VZW APROVAL PROCESS AND THEY ARE IN TURN APPROVED TO SELL. PLEASE NOTE THAT THE MATERIAL UTILIZED ON THE MOUNT MODIFICATIONS WILL BR REVIEWED AS A PART OF THE DESKTOP PHI COMPLETED BY THE SMART TOOL VENDOR. IT WILL BE REQUIRED THAT THE VZW KITS SPECIFIED ARE UTILIZED IN THE MODIFICATIONS.
- ALL MATERIALS REQUIRED FOR THE DESIGNED MODIFICATIONS BUT NOT LISTED IN THIS SHEET ARE ASSUMED TO BE PROVIDED BY THE CONTRACTOR. 5

VZWSMART KITS - APPROVED VENDORS

	COMMSCOPE
CONTACT	SALVADOR ANGUIANO
PHONE	(817) 304-7492
EMAIL	SALVADOR.ANGUIANO@COMMSCOPE.COM
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	METROSITE FABRICATORS, LLC
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	PERFECTVISION
CONTACT	WIRELESS SALES
PHONE	(844) 887-6723
EMAIL	WWW.PERFECT-VISION.COM
WEBSITE	WIRELESSSALES@PERFECT-VISION.COM
	SABRE INDUSTRIES, INC.
CONTACT	ANGIE WELCH
PHONE	(866) 428-6937
EMAIL	AKWELCH@SABREINDUSTRIES.COM
WEBSITE	WWW.SABRESITESOLUTIONS.COM
	SITE PRO 1
CONTACT	PAULA BOSWELL
PHONE	(972) 236-9843
EMAIL	Paula Boswell@valmont.com

verizon

MULTINOSPACTICATIONS TO STATE COMMUNICATION OF THE COMMUNICATION OF THE

MASER CONSULTING
—CONNECTICUT













SITE NAME:

STONINGTON EAST CT 469139

86 VOLUNTOWN ROAD STONINGTON. CONNECTICUT 06379 NEW LONDON COUNTY Ţ

BILL OF MATERIALS

SBOM-I

- SEE MODIFICATION NOTES
- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITY COMPANIES OR OTHER PUBLIC/GOVERNING AUTHORITIES.
- THE CONTRACTOR SHALL BE REPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT PLAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.
- THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK,
- THE CONTRACTOR SHALL BE RESOURIBLE FOR PROTECTING ALL EXISTING SITEMPORPHERS THOUGHOUS CONSTRUCTION. THE CONTRACTOR SHALL BEPAIR AND PARAGE AS A RESULT OF CONTRACTOR SHALL BEPAIR AND PARAGE AS A RESULT OF A SATISACTION OF THE SACULTY AT THE CONTRACTOR'S EXPENSE TO THE SATISACTION OF THE OWNER.
- THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATTRALLS, EQUIPMENT DLAGRA REQUIRED TO COMPLETE THIS PROJECT ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
- THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING THE BID TO VERIF THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND CONSTRUCTION DRAWNIGS.
- THE CONTRACTOR SHALL VERIFY LAL ENTING DIPERSIONS AND CONDITIONS RIGHT OF CONDITIONS RIGHT OF CONDITIONS FROM TO COMPRECIONS ANY WORK ALL DIPERSIONS OF EXITED CONTRACTOR SHAVEN IN THESE DAWNINGS WHYS REVERIED. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTOR MANAGES OF ANY DISCREMANCIES RIGHT THE CONSTRUCTION MANAGES OF ANY DISCREMANCIES RIGHT OF ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
- TAKEN THE CELL STEM TO SECURITY AS EACH TO SECURITY OF AUST OF TAKEN WHEN WORKNING AROUND HIGH LEKES OF ELETTROPHOGNERICS AND WORK THAT COLLID EXPORTANCE SELFUTOWN WORK THAT COLLID EXPOSES THE WORKERS TO DANGER PRESONAL PROPOSITIONS ARREQUED TO SE WORN TO ALERT OF ANY POTATIONS ARREQUED TO SE WORN TO ALERT OF ANY POTATIONS AND SECURITY OF THE WORKERS TO ALER WORN TO ALERT OF ANY POTATIONS AND SECURITY OF SECURITY OF THE WORK TO SERVICE AND THE WORK TO ALERT OF ANY POTATIONS AND SECURITY OF THE WORK TO SERVICE AND SECURITY OF ANY POTATIONS AND SECURITY OF THE WORK TO SECURITY OF THE WORK THE
- NO NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS FACILITY AS TO CAUSE A NUISANCE.
- THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION (NO HANDICAP ACCESS IS REQUIRED).

GENERAL NOTES

- THEE MODIFICATIONS HAVE BEEN DEIGNUD IN ACCORDANCE WITH THE GOVERNUM ROVISIONS OF THE TELECOMPHUNICATIONS INDUSTRY STANDARD THAT MATERIALS AND SERVICES ROVIDED BY THE CONTRACTOR SHALL CONFORM TO THE ABOVE MENTIONED CODES.
 - CONTRACTOR SHALL TAKE ALI PRECALITIONS INCESSARY TO REVENT DAWAGETO DESINANG STRUCTURES. ANY DAWAGETO DESTINA STRUCTURES AS, ARBUIT OF THE CONTRACTORS WORK OR REOM MARKED UP TO THE CAUSES SHALL BERDANDED AT THE CONTRACTORS EVERNES TO THE SATISFACTION OF THE OWNER.
- CONTRACTOR SHALL VERIFY ALL DETRINGNESSONS AND EXISTING CONDITIONS
 BEFORE ESCENINISM, OWEN, CADERNOR OF VETRALLA, MORE PREPARING OS SHO DAWNINGS, ANY DISCERBANCIES BETWEEN FELLO CONDITIONS AND THE CONTRACTOR DOLWHEN SHALL BE BEDOLGHT TO THE PREPARTE CONTRACTOR DOLWHEN SHALL BE BEDOLGHT TO THE PREPARTE PRISTING CONDITIONS THAT ARE NOT REPRESENTED ON THESE DAAWINGS, OR AFT CONDITIONS THAT WOULD INTERFER WITH THE INSTALLATION OF THE PRODING THAT WOULD INTERFER WITH THE INSTALLATION OF THE PRODING THAT WOULD INTERFER WITH THE INSTALLATION
- 4. IT IS ASSUMED THAT ANY STRUCTURAL MODIFICATION WORK SPECIFIED ON THESE PLANS WILL BE ACCOMPLISHED BY KNOWLEDGEABLE WORKMEN WITH TOWER CONSTRUCTION BYPERIENCE.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLET YES RONSIBLE FOR ALL CONTRUCTON METHODS, MEANS. TECHNIQUES, SEQUENCES, AND PROCEDURE.
 - ALL CONSTRUCTION MEANS AND WETHODS: INCLUDING BUT NOT LIMITED TO, RECCOPA PLANS, AND RECCUE PLANS. SHALL BE THE RESPONSIBLE FOR THE GENERAL CONTRACTOR RESPONSIBLE FOR THE WORTHAIN DESIGNAL BY AND SHALL BE THE CONTRACTOR RESPONSIBLE. STANDARDS, ALL RIGGING PLÁNS SHALL ADHERE TO ANSITTA-312 (LATEST EDITION) INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED EDITION THE ARQUIRED TO A CONSTRUCTION.
 - THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PROGRAMS IN ACCORDANCE WITH APPLICABLE SAFETY CODES.
 - WORK SHALL ONLY BE PERFORMED DURING CALM DRY DAYS (WINDS LESS THAN 30-MPH). THE STRUCTURE SHOWN ON THE DRAWINGS IS STRUCTURALLY SOUND ONLY IN THE COMPLETED FORM. THE

CONTRACTOR SHALL BERSONSHEES FOR THE STREAM HAND STREAM.

OF THE STREAM, DINING DIRECTION CONTRACTOR SHALL BROWNE
TERPORARY SUPPORT, STREAMS, BEACHES, AND AND OTHER STREATURE
STREAMS REQUIRED TO REST ALL FORCES THAT MAY OCCUR, DUNING
HANDLING AND RESTORN UNIT. HE STREATURE BE LULY COMPLETED
THEROPARY SUPPORT, BACKING AND OTHER STRUCTURE, STSTEMS
REQUIRED DUNING CONTRUCTION OTHER STRUCTURE, STSTEMS
REQUIRED DUNING CONTRUCTION SHALL REMAIN THE CONTRACTORS

ALL PROPOSED ANDIOR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE RIND OF THE BOLT IS ATTLEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTBINING IS COPPLETED.

ALL INSTALLATIONS PERFORMED ON THIS STRUCTURE SHALL BE COMPLETED IN ACCORDANCE WITH THE GOVERNION BROWISIONS OF THE STANDARD POR INSTALLATION ALTERATION AND MAINTENANCE OF ANTENINA SUPPORTING STRUCTURES AND ANTENNAS. ANSWITH-332.

15. ALL HOLES IN STEEL MEMBERS SHALL BE SIZED 1/16" LARGER THAN THE BOLT DIAMETER, STANDARD HOLES SHALL BE USED UNLESS NOTED OTHERWISE

WELDING NOTES

ALL WELDING SHALL BE DONE IN ACCORDANCE WITH AWS DI 0 (LATEST BEDTING), THIS SHALL INCLUDE A CERTIFIED WELD INSPECTION (CW) FOR ACCEPTANCE OR REJECTION OF ALL WELDING OFBRATIONS, REE DURING AND POST INSTALLATION, SING THE ACCEPTANCE CRITERA OF AWS DILIA

CONTRACTOR IS REPONSIBLE FOR COMMISSIONING A THIRD PARTY CRETHER USED INSPECTIVE (KW) THROUGHOUT THE BYTIRETY OF THE PROJECT A PASSING CWI REPORT SHALL BE RROVIDED TO THE ENGINER UPON COMPLETION OF THE RROJECT.

14. ALL EXISTING PAINTEDIGALVANIZED SURRACES DAMAGED DURING REHAB INCLUDINA ARGA UNDIG STIFFIRE RUTS SHALL IE WIRE BRUSHED CLEAN, REPAIRED BY COLD GALVANIZING (ZINGA OR ZINC COTE), AND REPAINTED TO MATCH THE EXISTING RINA (IF APPLICABLE).

GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.

- 10. CONTRACTOR SHALL SECURE SITE BACK TO BKISTING CONDITION UNDER SUFFERWAY ON THE ALL THOR. ECOSPAGE, GROUNDING, AND SURROUNDING GRADE SHALL BE REPLACED AND SIRPARED AS REQUIRED TO ACHOEF COWINE ARROW, POSTITVE DRAINAGE ANY MONTOWER SITE SHALL BE MANTANED.
 - OWNERCHORS ENFERT INTS SUPPORTED BY HER THE CLINE AND THE STRUCTURE NOT SECRETICALLY DEFALLED IN THE CONTRACTO COCHEMINATE HER ERSPONSITIONS SHALL BE DESIGNED. COCHEMINATED AND INVESCITE BY THE RODGETS SOUND SHALL BE DESIGNED. COCHEMINATED AND INVESCITE BY THE RODGET SUBMIT SIGNED SHALL BE DESIGNED. COCHEMINATED AND INVESCITE BY THE RODGET SUBMIT SIGNED AND SALED CALCULATIONS DIANG SHOP REMAINS SHALL BY THE STRUCT SHALL BY
 - 12. DO NOT SCALE DRAWINGS.
 - 13. DO NOT USE THESE DRAWINGS FOR ANY OTHER SITE.

THE CERTIFIED WAS DURSECTORS ALTER, IDPOCATE, AN WARITER CONTINUED OF STRANDINGS REE, DURING, AND POST IN THE PROTOGRAPHS AND POST IN THE PROTOGRAPHS AND DOCUMENTATIONS SIZE DURING, AND POST IN THE PROTOGRAPHS AND DOCUMENTATION SUPPORTING THE ACCEPTANCE OR RECEIVED OF ALL WINDING ALL OWNED INSECTION CASE THAT OF AND PROTOGRAPHS THE ACCEPTANCE OR DOCUMENTATION AND PROTOGRAPHS THE ACCEPTANCE OR DOCUMENTATION AND PROTOGRAPHS THE PROTOGRAPHS AND PROTOGRAPHS AND

- ALL MATERAL UTILIZED FOR THIS PROJECT MUST BE NEW AND REE OF ANY DEFECTS, ANY MATERIAL SUSSTITUTIONS, INCLUDING BUT NOT LIMITED TO ALTIERED SIZE AND/OR STRENGTHS, MUST BE APROVED BY THE OWNER. AND ENGINEER IN WRITING.
 - THE MOUNT UNDER NO CIRCUMSTANCES SHOULD BE USED AS A TIE OFF POINT.

STRUCTURAL STEEL

OXY FLE, GAS WELDING OR BRAZING IS STRICTLY PROHIBITED SPECIFICALLY, NO TORCH CUTTING IS PERMITTED ON SITE. ALL HOLES SHALL BE CUT WITH A GRINDER.

IN CASES WHERE A WED IS SPECIFED BETWEEN TWO MEMBERS IN WHICH THERE IS A GAP IN BETWEEN, THE WED IS TO BE BUILT-UP SUCH THAT THE SIZE OF WELD ON THE MEMBER IS EQUAL TO THAT SHOWN IN THE DRAWINGS.

CONTRACTOR SHALL EXERCISE CAUTION WHEN WELDING A GALVANIZED SURFACE

- DESIGN, DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL.
 SHALL CONFORM TO THE FOLLOWING PUBLICATIONS EXCEPT AS
 SPECIFICALLY INDICATED IN THE CONTRACT DOCUMENTS.

 - a. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION (15TH EDITION)
 - b. SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490
 - BOLTS
- STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE SHOWN: c. AISC CODE OF STANDARD PRACTICE

CHANNELS, ANGLES, PLATES, ETC. ASTM A36 (GR 36)
STEEL PIPE
ASTM A53 (GR 35)
BOLTS

ASTM A563 NUTS LOCK WASHERS

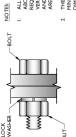
- ALL SUSTITUTIONS ROPOSCED BY THE CONTRACTOR SHALL BE APPROVED NO WARTHWO BY THE BROINERS CONTRACTOR SHALL REQUIRE IN COCCURENT OF THE SUSSITUL BE SURBERTED AND SHALL PROPRIED BY THE SUSSITUL BE SURBERTED AND SEND CONTRACTOR SHALL SHALL DIFFERENCES FROM THE CHARGINAL DESIGN. INCLUDING WANTENANCE, REPARA NUD REPARAMENT SHALL BE NOTED STREAM SOF OF COSTS CHARGINS SANGCATED. WITH THE SUBSTITUTION (INCLUDING REDEBING COSTS AND COSTS TO.) SUB-CONTRACTORS, SHALL BE PROVIDED TO THE ENGINER. CONTRACTOR SHALL PROVIDE ADDITIONAL DOCUMENTATION AND/OR SPECIFICATIONS. THE ENGINEER AS REQUESTED. LOCKING STRUCTURAL GRADE
 - PROVIDE STRUCTURAL STEEL SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
- a. SUBMIT SHOP DRAWINGS TO

PETER.ALBANO@COLLIERSENGINEERING.COM

- b. PROVIDE MASER CONSULTING PROJECT # AND MASER CONSULTING PROJECT ENGINEER CONTACT IN THE BODY OF THE EMAIL
- DRILL NO HOLE IN ANY NEW OR EXISTING STRUCTURAL STEE MEMBERS OTHER THAN THORE SHOWN ON STRUCTURAL DRAWINGS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
- GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
- ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER REPORTEDIN IN ADDITIONAL NEW STEEL SHALL BEPAINTED TO MATCH EXISTING STEEL CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
 - CONTRACTOR SHALL PROTECT CUT ENDS OF ALL FIELD-CUT STEEL WITH TWO (2) COATS OF COLD GALVANIZATION (ZINGA OR ZING COTE).
- ALL BOLT ASSEMBLES FOR STRUCTURAL NEMBERS REPRESENTED IN THIS DRAWNING REQUIRE LOCKING DEVICES TO BE INSTALLED IN ACCORDANCE WITH THA.222-H SECTION 49.3 REQUIRENENTS.
- WHERE CONNECTIONS ARE NOT FULLY DETAILED ON THESE DRAWINGS, FABRICATOR SHALL DESIGN CONNECTIONS TO RESIST LOADS AND FORCES WHERE SHOWN ON DRAWINGS AND AS OUTLINED IN SPECIFICATIONS.
- FOR NEMBERS BEING REPLACED, PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GADE MANNAIN AISC REQUIREMENTS FOR MINIMUM BOLT DISTANCE AND SPACING.

1/8 2 1/4 2 5/8 ٣ MIN. EDGE DISTANCE 8/ - /4 1 1/2 3/4 2/8 BOLT SCHEDULE (IN.) 1 1/16 x 1 5/16 91/11×91/6 15/16 x 1 1/8 11/16 × 7/8 STANDARD SHORT HOLE SLOT 13/16 x 1 91/11 13/16 91/1 15/16 9//6 BOLT DIAMETER 1/5 2/8 3/4 2/8

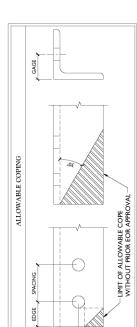
WORKABLE GAGES (IN.)	GAGE	2 1/2	2	1 3/4	1 3/8	8/1
WORKABLE	LEG	4	3 1/2	3	2 1/2	2



- ALL DIMENSIONS REPRESENTED IN THE AGOVET TABLES ARE AGE OF INNINUM REQUIREMENTS. CONTRACTOR SHALL VERIF PRISTING CONDITIONS IN FILED AND NOTIFY ENGINEER IF DISTANCES ARE LESS THAN THOSE PROVIDED.
 - THE DIMENSIONS PROVIDED ARE MINIMUM REQUIREMENTS ACTUAL DIMENSIONS OF ROPOSED MENBERS WITHIN THESE DRAWINGS MAY VARY ROW THE ARC MINIMUM REQUIREMENTS.

TYP. BOLT ASSEMBLY

- SHORT SLOT HOLES SHALL ONLY BE USED WHEN DEPICTED IN THE DRAWINGS
- MATCH EXISTING GAGES WHEN APPLICABLE, UNLESS MINIMUM ED DISTANCES ARE COMPROMISED.





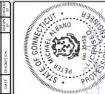












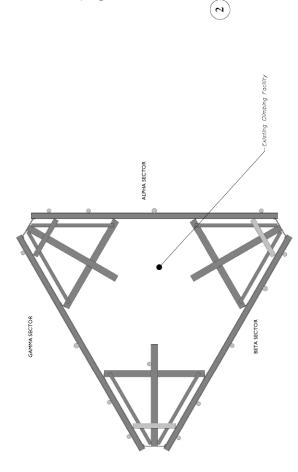
SITE NAME:

STONINGTON EAST CT 469139 86 VOLUNTOWN ROAD STONINGTON, CONNECTICUT 06379 **NEW LONDON COUNT**



MODIFICATION NOTES

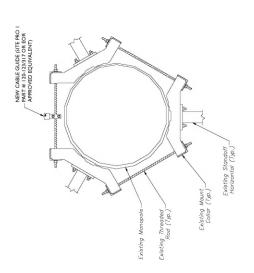
NOT SCALE DRAWINGS FOR CONSTRUC SGN-I



CLIMBING FACILITY LOCATION

STRUCTURAL NOTES:

- PER THE MOUNT MAPPING COMPLETED BY HIGH TOWER SOLUTIONS ON 4788700, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON WOUNT ELEYPLATON (139-47) ARE IN GOOD CONDITION. MASER DOES NOT WARRANT THIS INFORMATION.
- INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RE SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES. 7



CABLE GUIDE COLLAR ATTACHMENT - PLAN VIEW



CLIMBING FACILITY PHOTO



MASER CONSULTING

CONNECTICUT















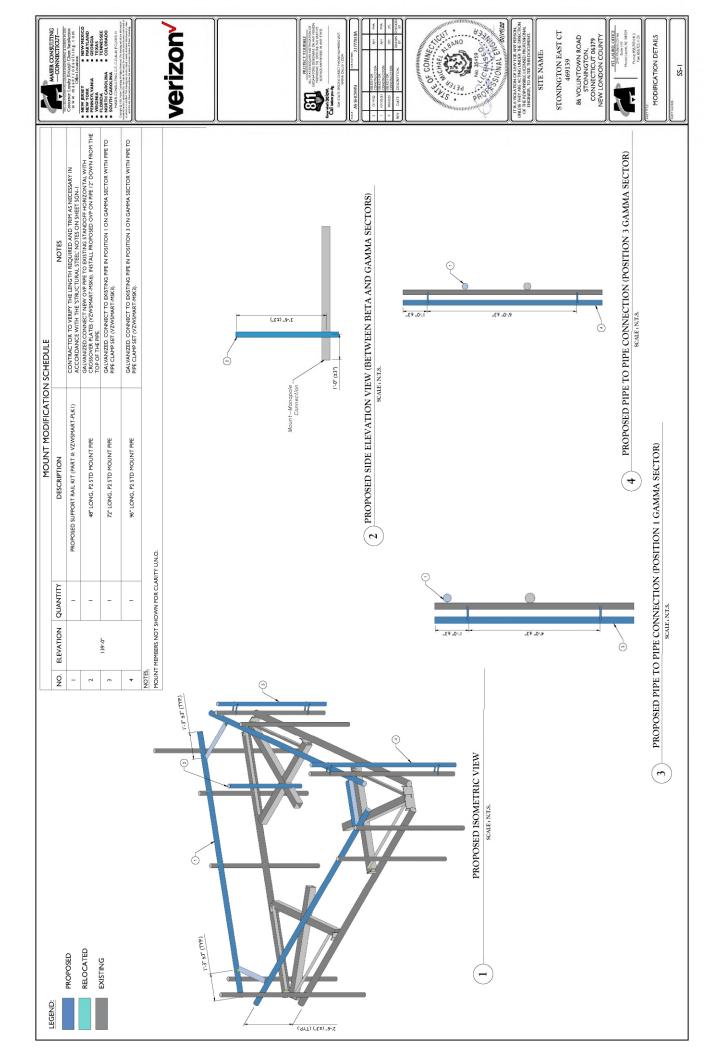
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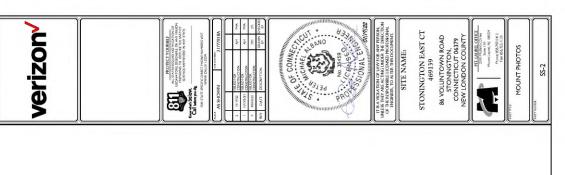
STONINGTON EAST CT 469139 86 VOLUNTOWN ROAD STONINGTON. CONNECTICUT 06379 NEW LONDON COUNTY



CLIMBING FACILITY DETAIL

SCF-I



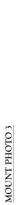


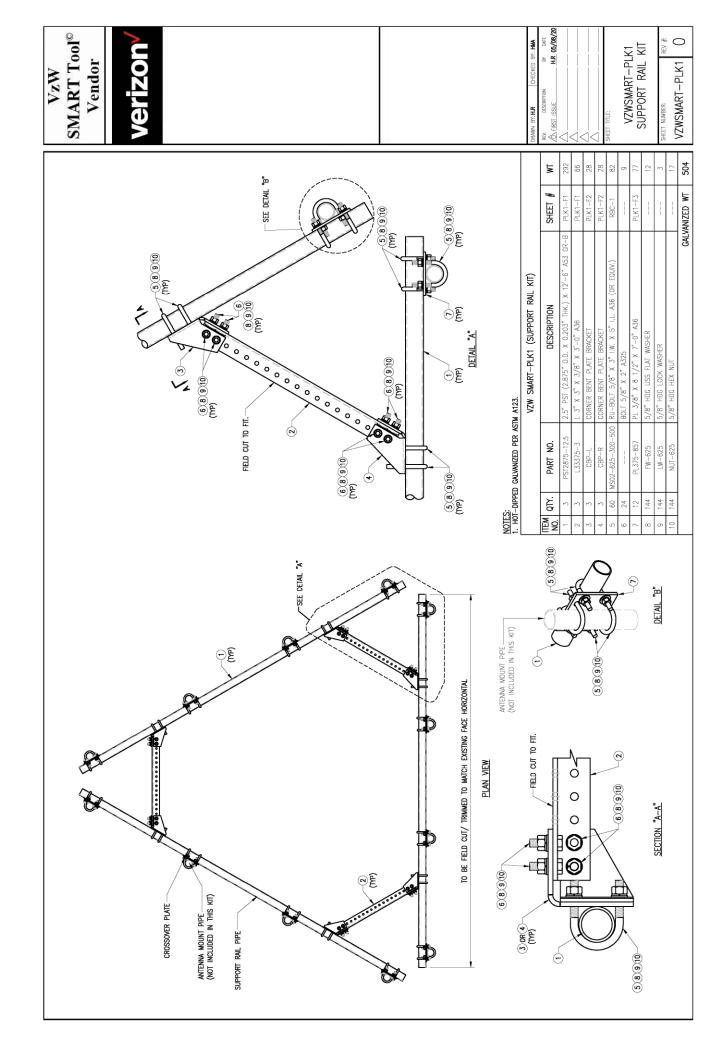


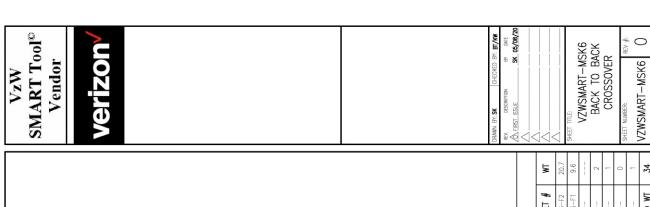
MOUNT PHOTO 1

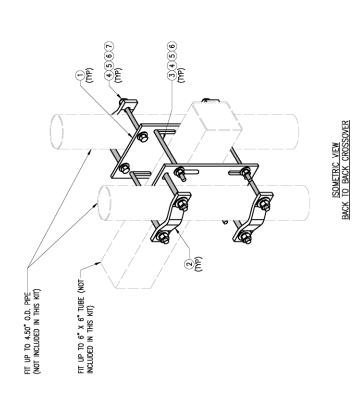


MOUNT PHOTO 4



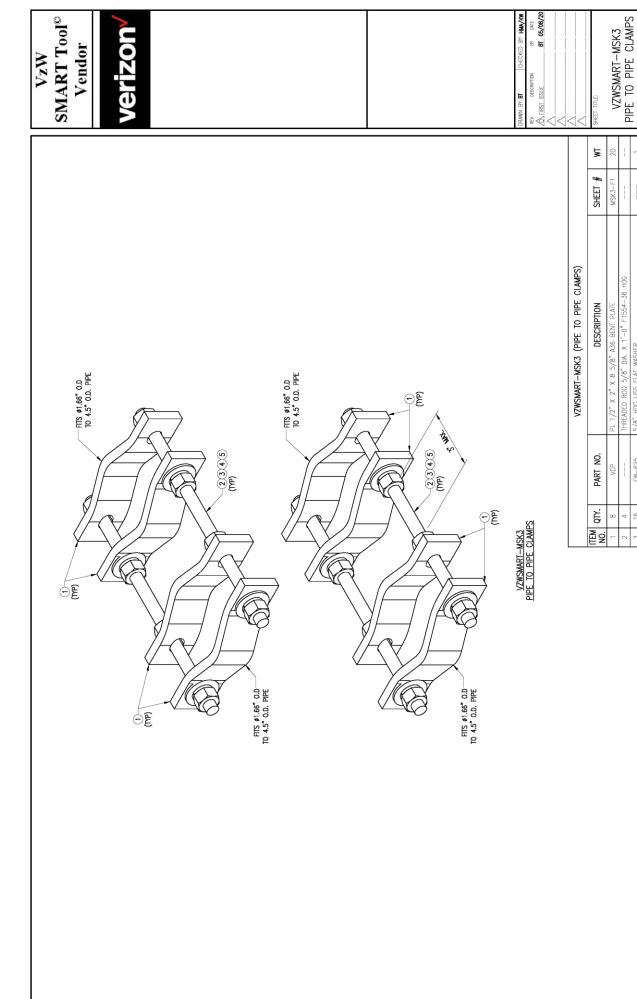






VZWSMART-MSK6 (VZWSMART-MSK6 - BACK TO BACK CROSSOVER)	YSWART-MSK6 (VZWSMART-MSK6 - BACK TO BACK CROSSOVER) 			
ITEM QTY. PART NO. NO.	NO.	DESCRIPTION	# LEEL #	# 1
PL375-	PL375-8512	PL 3/8" X B 1/2" X 1'-0" A36	MSK6-F2	
DA	VCP	PL 1/2" X 2" X 8 5/8" A36 BENT PLATE	MSK6-F1	
		THREADED ROD 5/8" DIA. X 10" F1554-36 HDG	1	
TUN	NUT-625	5/8" HDC HEX NUT	1	
-M-J	FW-625	5/8" HDG USS FLAT WASHER	-	1
MΠ	LW-625	5/8" HDG LOCK WASHER		0
_		BOLT 5/8" X 6" SAE GRADE 5 ALL THREAD		1
		GAI	GALVANIZED WT	34

NOTES: 1. HOT-DIPPED GALVANIZED PER ASTM A123.



0

VZWSMART-MSK3

20

GALVANIZED WT

THREADED ROD 5/8" DIA. X 1'-0" F1554-36 HDG 5/8" HDC USS FLAT WASHER

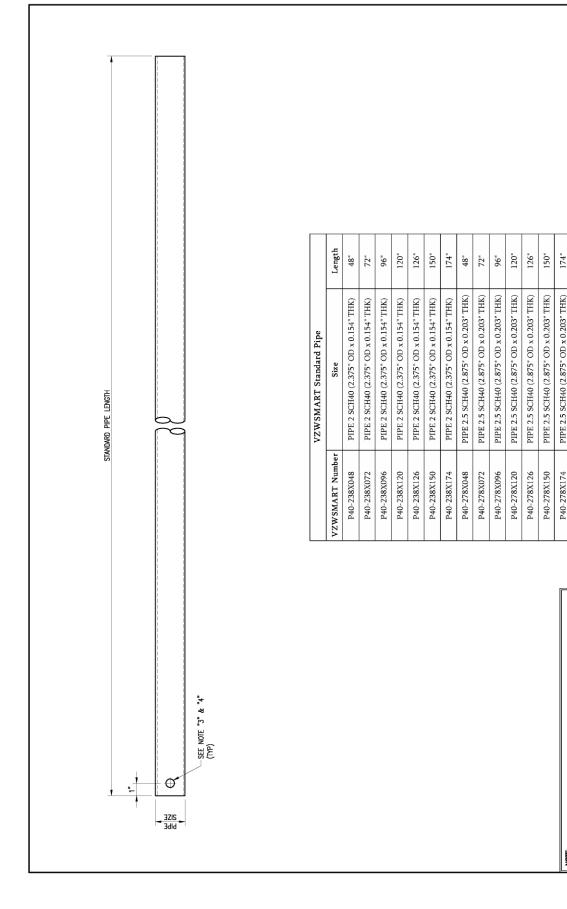
5/8" HDG LOCK WASHER

5/8" HDG HEX NUT

LW-625 NUT-625

FW-625

NOTES: 1. HOT—DIPPED GALVANIZED PER ASTM A123. 2. FITS UP TO 4 1/2" 0.D. PIPE



SMART Tool®

 $V_{\mathbf{Z}}W$

Vendor

BT 08/04/21 BY: HMA/KW 0 VZWSMART STANDARD PIPE VZWSMART-PIPE ON FIRST ISSUE

> 126" 150" 174"

48" 72"

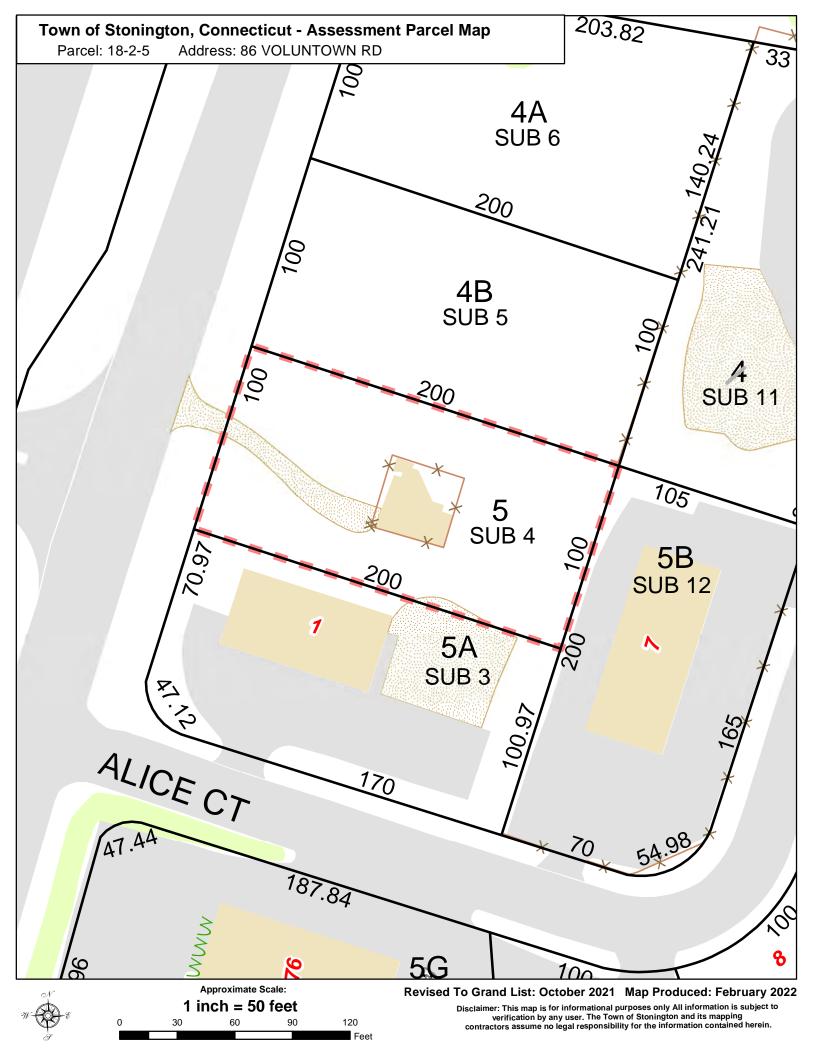
PIPE 3 SCH40 (3.5" OD x 0.216" THK) PIPE 3 SCH40 (3.5" OD x 0.216" THK)

P40-312X048 P40-312X072 P40-312X126 P40-312X150 P40-312X174

NOTE:
APPROVED SAMPT KIT VENDORS ARE ALLOWED TO SUBSTITUTE AT THEIR DISCRETION
PIPES LISTED ON THIS PAGE FOR CUSTOM LENGTH COMPONENTS OF MATCHING SIZE.
SUBSTITUTIONS SHALL MEET THE ORIGINAL STRUCTURAL INTENT.

- NOTES:
 1. ALL PIPE GRADE A53-B OR BETTER.
 2. HOT-DIPPED GALVANIZED PER ASTM A123.
 3. ALL HOLES ARE IT/16" DIA. U.N.O.
 4. HOLES MAY OR MAY NOTE PETEZENT, DEPEND UPON MANUFACTURE DISCRETION.
 5. ALL FIELD CLIT AND DRILLED SUFFACES SHALL BE REPARED WITH A MINIMUM OF TWO COATS
 6. ALL FIELD CLIT AND DRILLED SUFFACES SHALL BE REPARED WITH A MINIMUM OF TWO COATS
 OF ZINCA OR ZINC COTE PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.

ATTACHMENT 5



Map Block Lot

18-2-5

Building #

PID

2736 *A*

Account

00671600

Property Information

Property Location	86 VOLUNTON	VN RD	
Owner	BLACKROCK	PROPERTIES II	LLC
Co-Owner			
Mailing Address	PO BOX 1113		
Walling Address	MIAMISBURG	ОН	45343-1113
Land Use	430V T	EL X STA M-00	
Land Class	I		
Zoning Code	HI-60		
Census Tract	7051		

Neighborhood	3000
Acreage	0.46
Utilities	
Lot Setting/Desc	Suburban Level
Book / Page	0439/0311
Additional Info	

Primary Construction Details

Year Built	0
Building Desc.	TEL X STA M-00
Building Style	UNKNOWN
Building Grade	
Stories	
Occupancy	
Exterior Walls	
Exterior Walls 2	NA
Roof Style	
Roof Cover	
Interior Walls	
Interior Walls 2	NA
Interior Floors 1	
Interior Floors 2	
	•

Heating Fuel	
Heating Type	
AC Type	
Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	
Total Rooms	0
Bath Style	NA
Kitchen Style	NA
Fin Bsmt Area	
Fin Bsmt Quality	
Bsmt Gar	
Fireplaces	
	<u> </u>



Sketch

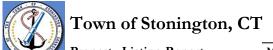


(*Industrial / Commercial Details

(*Industrial / Commercial Details)					
Building Use	Vacant				
Building Condition					
Sprinkler %					
Heat / AC					
Frame Type					
Baths / Plumbing					
Ceiling / Wall					
Rooms / Prtns					
Wall Height					
First Floor Use					
Foundation					

Report Created On

4/20/2022



Property Listing Report

Map Block Lot

18-2-5

Building #

PID

2736

Account

00671600

Valuation Summary (Assessed value = 70% of Appraised Value)		Sub Areas							
Item	Appraised 0		Assessed	Subarea Ty	pe	Gross Area (sq	ft)) Living Area (sq f	
Buildings			0						
Extras	0		0						
Improvements									
Outbuildings	117100 91900 209000		81900						
Land			64300						
Total			146200						
Outbuilding a	nd Extra F	eatures							
Туре	Description		n						
FENCE-8' CHAIN 230.00 L.F.		230.00 L.F.							
CELL EQ SHELTE	₹	240.00 S.F.							
CELL TOWER		1.00 UNIT							
CELL EQ SHELTER 240.00 S.		240.00 S.F.							
PLATFORM		120.00 UNIT							
PLATFORM		180.00 UNIT							
PLATFORM		36.00 UNIT							
PLATFORM 648.00 UN		648.00 UNIT							
				Total Area		0		0	
Sales History									
Owner of Record			Book/ Page	Sale Date	e Sa	le Pric	e		
BLACKROCK PROPERTIES II LLC		0439/0311	7/20/199	9 0					
BLACKROCK PROPERTIES II LLC		0421/0916	7/17/199	8 35	000				
BLACKROCK PROPERTIES 11 LLC		0421/0427	7/9/1998	98 0					
PRACHNIAK STANLEY & AMELIA &		0309/0175	2/22/198	9 0					
PRACHNIAK STANLEY & PAUL G HOLLAND		0245/0869	12/20/19	83 0					
OLIVERIO DANIEL & MICHAEL A		0202/0075	6/6/1974	. 0					

ATTACHMENT 6



TOTAL NO. of Pieces Listed by Sender of Pieces Received at Post Office	Maria Affix Stamp Here			
Postmaster, per (name of receiving employee)	Postmark with Date of	eopost [®]	\$002.99 ZIP 06103 041L1220393	7
Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
Danielle Chesebrough, First Selectman Town of Stonington 152 Elms Street Stonington, CT 06378 Keith Brynes, Town Planner Town of Stonington 152 Elms Street Stonington, CT 06378 Blackrock Properties II LLC P.O. Box 1113 Miamisburg, OH 06443	MAI)	EHOUSE STA	06108 06108	
	Address (Name, Street, City, State, and ZIP Code™) Danielle Chesebrough, First Selectman Town of Stonington 152 Elms Street Stonington, CT 06378 Keith Brynes, Town Planner Town of Stonington 152 Elms Street Stonington 152 Elms Street Stonington 151 Elms Street Stonington 152 Elms Street Stonington 153 Elms Street Stonington 154 Elms Street Stonington 155 Elms Street Stonington 155 Elms Street Stonington, CT 06378 Blackrock Properties II LLC P.O. Box 1113	Postmaster, per (name of receiving employee) Postage Postage	Postmark with Date of Receipt. Address (Name, Street, City, State, and ZIP Code™) Danielle Chesebrough, First Selectman Town of Stonington 152 Elms Street Stonington, CT 06378 Keith Brynes, Town Planner Town of Stonington 152 Elms Street Stonington, CT 06378 Keith Brynes, Town Planner Town of Stonington 152 Elms Street Stonington, CT 06378 Blackrock Properties II LLC P.O. Box 1113	Postmark with Date of Receipt. Address (Name, Street, City, State, and ZIP Code™) Danielle Chesebrough, First Selectman Town of Stonington 152 Elms Street Stonington, CT 06378 Keith Brynes, Town Planner Town of Stonington 152 Elms Street Stonington, CT 06378 Blackrock Properties II LLC P.O. Box 1113