July 20, 2022

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

Re: Exempt Modification Request – AT&T Site 13757740
AT&T Wireless Telecommunications Facility @ 8 Old 79, Madison, CT 06443

Dear Ms. Bachman,

New Cingular Wireless, PCS, LLC (dba AT&T) currently maintains antennas on a wireless telecommunications facility on an existing American Tower Corporation (ATC) telecommunications tower at the above referenced address. AT&T desires to modify its existing equipment as described in the enclosed Construction Drawings:

- Remove six (6) antennas, three (3) RRHs, three (3) TMAs, four (4) diplexers, six (6) coax cables, two (2) fiber trunks, and four (4) control cables;
- Install nine (9) antennas, six (6) RRHs, one (1) squid, six (6) DC trunks, and three (3) fiber trunks.
- Ground work includes removing two (2) 3208 indoor and one (1) 6601 indoor MU; installing one (1) 6601 radio node 5216, and one (1) baseband 6648.

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), and as notification pursuant to Regulations of Connecticut State Agencies 16-50aa, of AT&T's intent to modify a telecommunications facility pursuant to R.C.S.A. 16-50j-88. In accordance with R.C.S.A §16-50j-73, a copy of this letter is being sent to the following individuals: American Tower Corporation as Tower Operator/Owner; CK Builders LLC as the property owner; Peggy Lyons, Madison First Selectwoman, and Erin Mannix, the Town Planner.

The applicant's proposal falls squarely within those activities explicitly provided for in R.C.S.A. §16-50j-89. Specifically:

1. The proposed modifications will NOT result in an increase in the height of the existing structure.
2. The proposed modifications will NOT require an 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 operation of the modified facility will NOT increase radio frequency emissions at the facility to a level at or above the Federal Communications Commission (FCC) safety standard. Please see the RF emissions calculation for AT&T's modified facility enclosed herewith.

Jack Andrews, Zoning Manager 10130 Donleigh Drive, Columbia, MD 21046 (443) 677-0144
Centerline Communications • 750 W Center Street, Suite 301, W Bridgewater, MA 02379

5. The proposed modifications will NOT cause an ineligible change or alteration in the physical or environmental characteristics of the site.
6. The existing structure and its foundation can support the proposed loading. Please see the structural analysis enclosed herewith.

For the foregoing reasons, AT&T respectfully requests that the Council approve this Exempt Modification request for this tower located at 8 Old 79, Madison, CT 06443.

If you have any questions, please feel free to contact me.

Respectfully Submitted,

Jack Andrews
Zoning Manager, Centerline Communications
443-677-0144

Enclosures:
Exhibit 1 – Letter of Authorization from tower owner
Exhibit 2 – Property Card and GIS
Exhibit 3 – Construction and Mount Modification Drawings
Exhibit 4 – Structural Analysis Report
Exhibit 5 – Antenna Mount Analysis Report
Exhibit 6 – EME Study Report
Exhibit 7 – Four (4) Notice Confirmations

cc:
American Tower Corporation - Tower Operator/Owner
CK Builders LLC - Property Owner
The Honorable Peggy Lyons - Madison First Selectwoman
Erin Mannix – Madison Town Planner

AMERICAN TOWER®
CORPORATION

LETTER OF AUTHORIZATION

CENTERLINE COMMUNICATIONS LLC/ AT&T MOBILITY

I, Margaret Robinson, Vice President, US Tower Legal Division on behalf of American Tower*, owner/operator of the tower facility located at the address identified below (the "Tower Facilities"), do hereby authorize AT&T MOBILITY, CENTERLINE COMMUNICATIONS LLC, its successors and assigns, to act as American Tower's non-exclusive agent for the purpose of filing and securing any zoning, land-use, building permit and/or electrical permit application(s) and approvals of the applicable jurisdiction for and to conduct the construction of the installation of antennas and related telecommunications equipment on the Tower Facility located at the above address. This installation shall not affect adjoining lands and will occur only within the area leased by American Tower.

American Tower understands that the application may be denied, modified or approved with conditions. The above authorization is limited to the acceptance by American Tower of conditions related to American Tower's installation. Any such conditions of approval or modifications will not be effective unless approved in writing by American Tower.

The above authorization does not permit AT&T MOBILITY, CENTERLINE COMMUNICATIONS LLC to modify or alter any existing permit(s) and/or zoning or land-use conditions or impose any additional conditions unrelated to American Tower's installation of telecommunications equipment without the prior written approval of American Tower.

*American Tower includes all affiliates and subsidiaries of American Tower Corporation.

ATC Asset #	Site Name	Project Number	Site Address
283420	STONEYBROOK RD CT	13682835	23 Stonybrook Road, Stratford, Connecticut
243036	WEST HAVEN & RT 162 CT	13682841	668 Jones Hill Road, West Haven, Connecticut
302479	Rkhl - Rocky Hill	13683394	699 West Street, Rocky Hill, Connecticut
302537	Middletown CT 3	13747862	47 Inwood Road, Rocky Hill, Connecticut
302535	Milford CT 2	13748383	185 Research Drive, Milford, Connecticut
302473	E H F R - Prestige Park	13748397	310 Prestige Park Road, East Hartford, Connecticut
302505	Wshn - West Haven	13748405	204 Burwell Street, West Haven, Connecticut
302489	Enfd - Enfield	13753208	77 Town Farm Road, Enfield, Connecticut
302524	Beacon Falls	13753210	664 Rimmon Hill Road, Seymour, Connecticut
310968	WSPT-WESTPORT REBUILD CT	13753216	180A Bayberry Lane, Westport, Connecticut
302526	Naugatuck (telephone Pole)	13753218	585 South Main St. (soc. Club), Naugatuck, Connecticut
310972	WATERFORD REBUILD CT	13753547	15 Miner Lane, Waterford, Connecticut
302538	Parsonage Hill Aka Wallin	13753549	922 Northrop Road, Wallingford, Connecticut
370624	Mankes Silo	13754283	1338 Highland Ave, Cheshire, Connecticut

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88017	SHELTON-TRUMBULL	13755484	14 OXFORD DRIVE/BOOTH HILL RD, Shelton, Connecticut
414240	Byram Park CT	13755490	48 RITCH AVENUE WEST, Greenwich, Connecticut
283423	NAUGATUCK CT	13755758	880 Andrew Mountain Road, Naugatuck, Connecticut
302480	Woodbridge CT 1	13756843	77 Pease Road, Woodbridge, Connecticut
411183	WATERFORD CT	13756866	53 Dayton Rd. Waterford, Connecticut
302540	Madison CT 6	13757740	8 Old 79, Madison, Connecticut
411259	CT Collinsville CAC 802816 CT	13757764	650 Albany Turnpike, Collinsville, Connecticut
411256	CANTON CT	13757774	14 CANTON SPRINGS ROAD, Canton, Connecticut
302493	Nrwc - Norwich	13757776	225 Rogers Road, Norwich, Connecticut
302476	Wtbr - Waterbury	13757794	352 Garden Circle, Waterbury, Connecticut
302475	Sttn - Southington	13757796	80 Shuttle Meadow Road, Southington, Connecticut
302494	Hddm - Haddam	13757798	139 Morris Hubbard Rd, Higganum, Connecticut
283419	PINE ORCHARD BRANFORD CT	13757800	123 Pine Orchard Road, Brrandford, Connecticut
302482	North Havent CT 1	13757802	15 Dewight Street, North Haven, Connecticut
302485	Mdfd - Middlefield	13757806	134 Kikapoo Road, Middlefield, Connecticut
302500	Brst - Bristol	13757810	790 Willis Street, Bristol, Connecticut
302467	Bilkays Express	13757812	90 North Plains Industrial Rd. Wallingford, Connecticut
302536	Cherry Hill-branford	13759895	4 Beaver Road, Brandford, Connecticut
302482	North Havent CT 1	14050356	15 Dewight Street, North Haven, Connecticut
311305	GLFD-GUILFORD REBUILD CT	14050358	10 Tanner Marsh Road, Guilford, Connecticut
411261	CROMWELLSW CT	14089799	99 Christian Hill Road, Cromwell, Connecticut
302481	Hrfr - South	14090117	289 Mountain Street, Hartford, Connecticut

Signature: _____

Margaret Robinson, Vice President
US Tower Legal Division

See attached Notary Block

AMERICAN TOWER®
CORPORATION

LETTER OF AUTHORIZATION
CENTERLINE COMMUNICATIONS LLC/ AT&T MOBILITY

NOTARY BLOCK

COMMONWEALTH OF MASSACHUSETTS
County of Middlesex

This instrument was acknowledged before me by Margaret Robinson, Vice President, UST Legal of American Tower (Tower Facility owner), personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same.

WITNESS my hand and official seal, this 30th day of June, 2022.

NOTARY SEAL

MELISSA ANN METZLER
Notary Public
Commonwealth of Massachusetts
My Commission Expires March 14, 2025

Notary Public
My Commission Expires: March 14, 2025

SCRCOG

8 old route 79

Sign in

Madison Parcels (3)

38 OLD ROUTE 79, MADISON

Google Street View | FEMA Flood Map
Property Card

8 OLD ROUTE 79, MADISON

Google Street View | FEMA Flood Map
Property Card

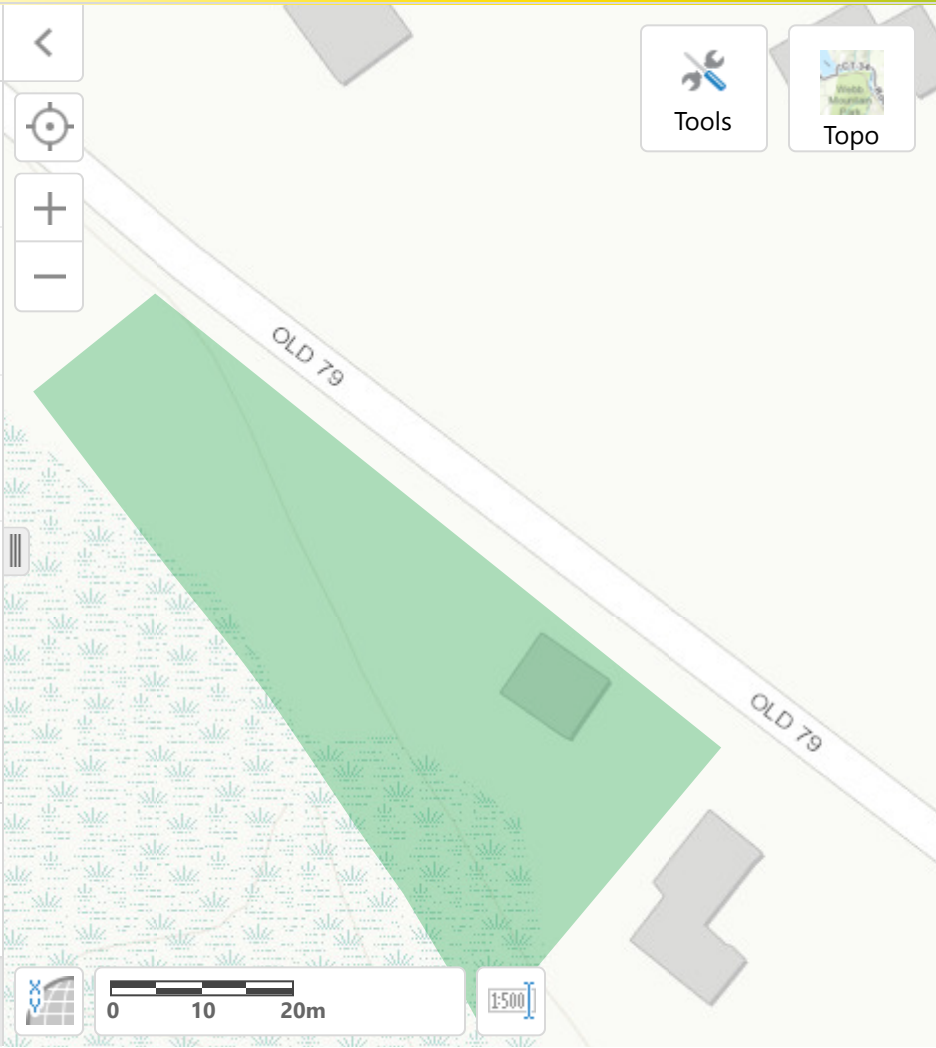
8 OLD ROUTE 79, MADISON

Google Street View | FEMA Flood Map
Property Card

Displaying 1 - 3 (Total: 3)

Page 1 of 1

Home | Layers | Madison Pa...



8 OLD ROUTE 79

Location	8 OLD ROUTE 79	**MBLU**	48/ 53/ CELL/ /
Unique ID#	48530001	**Owner**	AMERICAN TOWER SEPCTRASITE COMMUNICATION
Assessment	$863,900	**Appraisal**	$1,234,100
PID	104171	**Building Count**	1
Dev. Map			

Current Value

Appraisal					
Valuation Year	**Building**	**Extra Features**	**Outbuildings**	**Land**	**Total**
2021	$251,500	$0	$982,600	$0	$1,234,100

Assessment					
Valuation Year	**Building**	**Extra Features**	**Outbuildings**	**Land**	**Total**
2021	$176,100	$0	$687,800	$0	$863,900

Owner of Record

Owner	AMERICAN TOWER SEPCTRASITE COMMUNICATION	**Sale Price**	$0
Co-Owner	C/O PROPERTY TAX DEPT	**Book & Page**	0000/0000
Care Of		**Sale Date**	01/01/1900

Ownership History

Ownership History			
Owner	**Sale Price**	**Book & Page**	**Sale Date**
AMERICAN TOWER SEPCTRASITE COMMUNICATION	$0	0000/0000	01/01/1900

Building Information

Building 1 : Section 1

Year Built:	2010
Living Area:	1,301

Building Attributes	
Field	**Description**
Style:	Telephone Bldg
Model	Commercial
Grade	Average +
Stories:	1
Occupancy	1.00
Exterior Wall 1	Vinyl Siding
Exterior Wall 2	
Roof Structure	Shed
Roof Cover	Asphalt Shngl.
Interior Wall 1	Drywall
Interior Wall 2	
Interior Floor 1	Concr-Finished
Interior Floor 2	
Heating Fuel	Electric
Heating Type	Forced Air-Duc
AC Type	Central
Struct Class	
Bldg Use	Tel X Sta
Total Rooms	1
Total Bedrms	
Total Baths	
Fireplace	
Xtra Fireplaces	
1st Floor Use:	
Heat/AC	Heat A/C Pkg
Frame Type	Wood Frame
Baths/Plumbing	Average
Ceiling/Wall	Ceil and Wall
Rooms/Prtns	Average
Wall Height	10.00
% Comn Wall	

Building Photo

(https://images.vgsi.com/photos/MadisonCTPhotos//\01\01\78\54.jpg)

Building Sub-Areas (sq ft)			
Code	**Description**	**Gross Area**	**Living Area**
BAS	First Floor	1,301	1,301
FOP	Open Porch	91	0
SLB	Slab	1,392	0
		2,784	1,301

Extra Features

Extra Features
No Data for Extra Features

Land

Land Use

Use Code 4300
Description Tel X Sta
Zone

Land Line Valuation

Size (Acres) 0

lblIndfront

Outbuildings

Outbuildings						
Code	**Description**	**Sub Code**	**Sub Description**	**Size**	**Value**	**Bldg #**
CEL	Cell Tower			6.00 UNITS	$981,600	1
FN3	Fence 6'			160.00 L.F.	$1,000	1

Radio Frequency Exposure Analysis Report

July 6, 2022

American Tower on behalf of AT&T
Centerline Communications Project Number: 950035-008

AT&T Site Name: Madison CT 6 / MADISON PD
Site Number: CT2178 / 302540
FA#: 10035220
USID: 61195

Site Address: 8 Old 79, Madison, CT 06443

Site Compliance Summary

AT&T Compliance Status:	Compliant
Cumulative Calculated Power Density (Ground Level):	46.58660 µW/cm^2
Cumulative General Population % MPE (Ground Level):	4.6587899999999998%

750 West Center Street | Suite 301 | West Bridgewater | MA | 02379

July 6, 2022

Centerline
Attn: Jennifer Iliades, Project Manager
750 W Center St, Suite 301
West Bridgewater, MA 02379

RF Exposure Analysis for Site: **Madison CT 6 / MADISON PD**

Centerline Communications, LLC ("Centerline") was contracted to analyze the proposed AT&T facility at **8 Old 79, Madison, CT 06443** for the purpose of determining whether the predictive exposure from the proposed facility is within specified federal limits.

All information used in this report was analyzed as a percentage of the Maximum Permissible Exposure (% MPE) limits as detailed in 47 CFR § 1.1310 as well as Federal Communications Commission (FCC) OET Bulletin 65 Edition 97-01. The FCC MPE limits are typically expressed in units of milliwatts per square centimeter (mW/cm^2) or microwatts per square centimeter ($\mu W/cm^2$). The exposure limits vary depending upon the frequencies being utilized. The General Population/Uncontrolled MPE limit (in mW/cm^2) for frequencies between 300 and 1500 is defined as frequency (in MHz) divided by 1500 ($f_{MHz}/1500$). Frequencies between 1500 and 100,000 MHz have a General Population/Uncontrolled MPE limit of 1 mW/cm^2 (1000 $\mu W/cm^2$). The calculated power density at each sample point divided by the limit at each calculated frequency provides a result in % MPE. Summing the calculated % MPE from all contributors provides a cumulative % MPE at a particular sample point. Wireless carriers use different frequency bands with varying MPE limits; therefore, it is useful to report results in terms of % MPE as opposed to power density.

All results were compared to the FCC radio frequency exposure rules as detailed in 47 CFR § 1.1307(b) to determine compliance with the MPE limits for General Population/Uncontrolled environments as defined below.

General population/uncontrolled exposure limits apply to situations in which the general population may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Therefore, members of the general population would always be considered under this category when exposure is not employment related, for example, in the case of a telecommunications tower that exposes persons in a nearby residential area.

Occupational/controlled exposure limits apply to situations in which persons are exposed as a consequence of their employment and in which those persons who are exposed have been made fully aware of the potential for exposure and can exercise control over their exposure. Occupational/ controlled exposure limits also apply where exposure is of a transient nature as a result of incidental passage through a location where exposure levels may be above general population/uncontrolled limits, as long as the exposed person has been made fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means. Additional details can be found in FCC OET 65.

Calculation Methodology

Centerline Communications, LLC has performed theoretical modeling of the site using a software tool, RoofMaster®, which incorporates calculation methodologies detailed in FCC OET 65. RoofMaster® uses a cylindrical model for conservative power density predictions within the near field of the antenna where the antenna pattern has not truly formed yet. Within this area power density values tend to decrease based upon an inverse distance function. At the point where it is appropriate for modeling to change from near-field calculations to far-field calculations, the power decreases inversely with the square of the distance. The modeling is based on worst-case assumptions in terms of transmitter power and duty cycle. No losses were included in the power calculations unless they were specifically provided for the project.

In OET 65, a far field model is presented to calculate the spatial peak power density. The RoofMaster® implementation of this model incorporates antenna manufacturer's horizontal and vertical pattern data to determine the power density in all directions. This model yields the power density at a single point in space. In order to determine the spatial power density for comparison to the FCC limits, the average of several points calculated within the human profile (0-6') must be conducted. RoofMaster® calculates seven power density values between 0-6' above the specified study plane and performs a linear spatial average.

Data & Results

The following table details the antennas and operating parameters for the AT&T antenna system as well as any other antenna systems at the site. This is based on antenna information provided by the client and data compiled from other sources where necessary. The data below was input into Roofmaster® to perform the theoretical exposure calculations at the Ground Level.

The theoretical calculations performed in Roofmaster® determine the cumulative exposure at all sample points at ground level (0-6' spatial average). The results from highest cumulative sample point at ground level surrounding the site are displayed in the table below. The contribution from directional antennas to the maximum cumulative totals varies greatly depending on location; therefore, the contribution from one antenna sector at the highest calculated exposure point may be greater or less than other sectors since sectorized directional antennas are pointed in different directions and there is not much overlapping exposure.

The contribution to the cumulative power density and % MPE for each antenna/frequency band is listed in the table. The cumulative power density and cumulative % MPE are displayed at the bottom of the table.

Maximum Calculated Cumulative Power Density (Location: approximately 330' southeast of site)

Antenna ID	Make / Model	Frequency Band (MHz)	Antenna Gain (dBd)	Antenna Centerline (ft)	Channel Count	TX Power/ Channel (watts)	ERP (watts)	Calculated Power Density (μW/cm²)	General Population MPE Limit (μW/cm²)	General Population % MPE
AT&T A 1	KATHREIN 80010964	700	11.05	132.00	4.00	30.00	1528.20	0.00000	466.67	0.00000
AT&T A 1	KATHREIN 80010964	2100	15.85	132.00	4.00	30.00	4615.10	0.00000	1000.00	0.00000
AT&T A 2	Ericsson SON_AIR6419	3450	23.45	134.00	1.00	108.40	23989.95	0.00006	1000.00	0.00001
AT&T A 3	Ericsson SON_AIR6449	3700	23.45	130.00	1.00	108.40	23989.95	0.00008	1000.00	0.00001
AT&T A 4	CCI DMP65R-BU6E	700	11.65	132.00	4.00	30.00	1754.61	0.00000	466.67	0.00000
AT&T A 4	CCI DMP65R-BU6E	850	11.95	132.00	4.00	30.00	1880.10	0.00000	566.67	0.00000
AT&T A 4	CCI DMP65R-BU6E	1900	15.55	132.00	4.00	30.00	4307.06	0.00000	1000.00	0.00000
AT&T A 4	CCI DMP65R-BU6E	2300	15.55	132.00	4.00	18.00	2584.24	0.00000	1000.00	0.00000
AT&T B 5	KATHREIN 80010964	700	11.05	132.00	4.00	30.00	1528.20	0.00013	466.67	0.00003
AT&T B 5	KATHREIN 80010964	2100	15.85	132.00	4.00	30.00	4615.10	0.00013	1000.00	0.00001
AT&T B 6	Ericsson SON_AIR6419	3450	23.45	134.00	1.00	108.40	23989.95	0.00086	1000.00	0.00009
AT&T B 7	Ericsson SON_AIR6449	3700	23.45	130.00	1.00	108.40	23989.95	0.00118	1000.00	0.00012
AT&T B 8	CCI DMP65R-BU6E	700	11.65	132.00	4.00	30.00	1754.61	0.00013	466.67	0.00003
AT&T B 8	CCI DMP65R-BU6E	850	11.95	132.00	4.00	30.00	1880.10	0.00010	566.67	0.00002
AT&T B 8	CCI DMP65R-BU6E	1900	15.55	132.00	4.00	30.00	4307.06	0.00011	1000.00	0.00001
AT&T B 8	CCI DMP65R-BU6E	2300	15.55	132.00	4.00	18.00	2584.24	0.00007	1000.00	0.00001
AT&T C 9	KATHREIN 80010964	700	11.05	132.00	4.00	30.00	1528.20	0.00000	466.67	0.00000
AT&T C 9	KATHREIN 80010964	2300	15.75	132.00	4.00	30.00	4510.05	0.00000	1000.00	0.00000
AT&T C 10	Ericsson SON_AIR6419	3700	23.45	134.00	1.00	108.40	23989.95	0.00000	1000.00	0.00000
AT&T C 11	Ericsson SON_AIR6449	3450	23.45	130.00	1.00	108.40	23989.95	0.00000	1000.00	0.00000
AT&T C 12	CCI DMP65R-BU6E	700	11.65	132.00	4.00	30.00	1754.61	0.00000	466.67	0.00000
AT&T C 12	CCI DMP65R-BU6E	850	11.95	132.00	4.00	30.00	1880.10	0.00000	566.67	0.00000
AT&T C 12	CCI DMP65R-BU6E	1900	15.75	132.00	4.00	30.00	4510.05	0.00000	1000.00	0.00000
AT&T C 12	CCI DMP65R-BU6E	2100	15.55	132.00	4.00	18.00	2584.24	0.00000	1000.00	0.00000
MetroPCS A 13	GENERIC PANEL 6FT (Decommissioned)	1900	15.84	86.10	0.00	0.00	0.00	0.00000	1000.00	0.00000
MetroPCS B 14	GENERIC PANEL 6FT (Decommissioned)	1900	15.84	86.10	0.00	0.00	0.00	0.00000	1000.00	0.00000
MetroPCS C 15	GENERIC PANEL 6FT (Decommissioned)	1900	15.84	86.10	0.00	0.00	0.00	0.00000	1000.00	0.00000
Sprint A 16	GENERIC PANEL 6FT	850	12.62	97.70	2.00	40.00	1462.48	0.00000	566.67	0.00000
Sprint A 17	GENERIC PANEL 6FT	1900	15.84	97.70	2.00	60.00	4604.49	0.00000	1000.00	0.00000
Sprint A 18	GENERIC PANEL 6FT	850	12.62	97.70	2.00	40.00	1462.48	0.00000	566.67	0.00000
Sprint A 19	GENERIC PANEL 6FT	1600	14.49	97.70	8.00	20.00	4499.04	0.00000	1000.00	0.00000
Sprint B 20	GENERIC PANEL 6FT	850	12.62	97.70	2.00	40.00	1462.48	0.00009	566.67	0.00002
Sprint B 21	GENERIC PANEL 6FT	1900	15.84	97.70	2.00	60.00	4604.49	0.00014	1000.00	0.00001
Sprint B 22	GENERIC PANEL 6FT	850	12.62	97.70	2.00	40.00	1462.48	0.00009	566.67	0.00002

Antenna ID	Make / Model	Frequency Band (MHz)	Antenna Gain (dBd)	Antenna Centerline (ft)	Channel Count	TX Power/ Channel (watts)	ERP (watts)	Calculated Power Density (μW/cm²)	General Population MPE Limit (μW/cm²)	General Population % MPE
Sprint B 23	GENERIC PANEL 6FT	1600	14.49	97.70	8.00	20.00	4499.04	0.00013	1000.00	0.00001
Sprint C 24	GENERIC PANEL 6FT	850	12.62	97.70	2.00	40.00	1462.48	0.00000	566.67	0.00000
Sprint C 25	GENERIC PANEL 6FT	1900	15.84	97.70	2.00	60.00	4604.49	0.00000	1000.00	0.00000
Sprint C 26	GENERIC PANEL 6FT	850	12.62	97.70	2.00	40.00	1462.48	0.00000	566.67	0.00000
Sprint C 27	GENERIC PANEL 6FT	1600	14.49	97.70	8.00	20.00	4499.04	0.00000	1000.00	0.00000
Dish Wireless A 28	GENERIC PANEL 6FT	700	12.33	109.60	4.00	40.00	2736.02	0.00001	466.67	0.00000
Dish Wireless A 28	GENERIC PANEL 6FT	850	12.62	109.60	4.00	40.00	2924.96	0.00000	566.67	0.00000
Dish Wireless A 29	GENERIC PANEL 6FT	1900	15.84	109.60	4.00	40.00	6139.32	0.00000	1000.00	0.00000
Dish Wireless A 30	GENERIC PANEL 6FT	2100	16.39	109.60	4.00	40.00	6968.19	0.00000	1000.00	0.00000
Dish Wireless B 31	GENERIC PANEL 6FT	700	12.33	109.60	4.00	40.00	2736.02	0.00015	466.67	0.00003
Dish Wireless B 31	GENERIC PANEL 6FT	850	12.62	109.60	4.00	40.00	2924.96	0.00014	566.67	0.00003
Dish Wireless B 32	GENERIC PANEL 6FT	1900	15.84	109.60	4.00	40.00	6139.32	0.00015	1000.00	0.00002
Dish Wireless B 33	GENERIC PANEL 6FT	2100	16.39	109.60	4.00	40.00	6968.19	0.00019	1000.00	0.00002
Dish Wireless C 34	GENERIC PANEL 6FT	700	12.33	109.60	4.00	40.00	2736.02	0.00000	466.67	0.00000
Dish Wireless C 34	GENERIC PANEL 6FT	850	12.62	109.60	4.00	40.00	2924.96	0.00000	566.67	0.00000
Dish Wireless C 35	GENERIC PANEL 6FT	1900	15.84	109.60	4.00	40.00	6139.32	0.00000	1000.00	0.00000
Dish Wireless C 36	GENERIC PANEL 6FT	2100	16.39	109.60	4.00	40.00	6968.19	0.00000	1000.00	0.00000
T-Mobile A 37	GENERIC PANEL 6FT	600	0.00	117.50	4.00	30.00	120.00	0.00000	400.00	0.00000
T-Mobile A 38	GENERIC PANEL 6FT	700	12.33	117.50	4.00	40.00	2736.02	0.00001	466.67	0.00000
T-Mobile A 39	GENERIC PANEL 6FT	1900	15.84	117.50	4.00	40.00	6139.32	0.00000	1000.00	0.00000
T-Mobile A 40	GENERIC PANEL 6FT	2100	16.39	117.50	4.00	40.00	6968.19	0.00000	1000.00	0.00000
T-Mobile A 41	ERICSSON SON_AIR6449	2500	17.30	117.50	1.00	60.00	3222.19	0.02264	1000.00	0.00226
T-Mobile A 41	ERICSSON SON_AIR6449	2500	22.35	117.50	1.00	90.00	15461.18	0.88158	1000.00	0.08816
T-Mobile A 41	ERICSSON SON_AIR6449	2500	22.35	117.50	1.00	90.00	15461.18	0.88158	1000.00	0.08816
T-Mobile B 42	GENERIC PANEL 6FT	600	0.00	117.50	4.00	30.00	120.00	0.00010	400.00	0.00002
T-Mobile B 43	GENERIC PANEL 6FT	700	12.33	117.50	4.00	40.00	2736.02	0.00013	466.67	0.00003
T-Mobile B 44	GENERIC PANEL 6FT	1900	15.84	117.50	4.00	40.00	6139.32	0.00013	1000.00	0.00001
T-Mobile B 45	GENERIC PANEL 6FT	2100	16.39	117.50	4.00	40.00	6968.19	0.00016	1000.00	0.00002
T-Mobile B 46	ERICSSON SON_AIR6449	2500	17.30	117.50	1.00	60.00	3222.19	1.22137	1000.00	0.12214
T-Mobile B 46	ERICSSON SON_AIR6449	2500	22.35	117.50	1.00	90.00	15461.18	14.13393	1000.00	1.41339
T-Mobile B 46	ERICSSON SON_AIR6449	2500	22.35	117.50	1.00	90.00	15461.18	14.13393	1000.00	1.41339
T-Mobile C 47	GENERIC PANEL 6FT	600	0.00	117.50	4.00	30.00	120.00	0.00000	400.00	0.00000
T-Mobile C 48	GENERIC PANEL 6FT	700	12.33	117.50	4.00	40.00	2736.02	0.00000	466.67	0.00000
T-Mobile C 49	GENERIC PANEL 6FT	1900	15.84	117.50	4.00	40.00	6139.32	0.00000	1000.00	0.00000
T-Mobile C 50	GENERIC PANEL 6FT	2100	16.39	117.50	4.00	40.00	6968.19	0.00000	1000.00	0.00000
T-Mobile C 51	ERICSSON SON_AIR6449	2500	17.30	117.50	1.00	60.00	3222.19	0.00166	1000.00	0.00017

Antenna ID	Make / Model	Frequency Band (MHz)	Antenna Gain (dBd)	Antenna Centerline (ft)	Channel Count	TX Power/ Channel (watts)	ERP (watts)	Calculated Power Density (µW/cm²)	General Population MPE Limit (µW/cm²)	General Population % MPE
T-Mobile C 51	ERICSSON SON_AIR6449	2500	22.35	117.50	1.00	90.00	15461.18	0.01947	1000.00	0.00195
T-Mobile C 51	ERICSSON SON_AIR6449	2500	22.35	117.50	1.00	90.00	15461.18	0.00000	1000.00	0.00195
Verizon A 52	GENERIC PANEL 6FT	700	12.33	141.40	4.00	40.00	2736.02	0.00000	466.67	0.00000
Verizon A 53	GENERIC PANEL 6FT	850	12.62	141.40	4.00	40.00	2924.96	0.00000	566.67	0.00000
Verizon A 54	GENERIC PANEL 6FT	1900	15.84	141.40	4.00	40.00	6139.32	0.00000	1000.00	0.00000
Verizon A 55	GENERIC PANEL 6FT	2100	16.39	141.40	4.00	40.00	6968.19	0.00000	1000.00	0.00000
Verizon B 56	GENERIC PANEL 6FT	700	12.33	141.40	4.00	40.00	2736.02	0.00009	466.67	0.00002
Verizon B 57	GENERIC PANEL 6FT	850	12.62	141.40	4.00	40.00	2924.96	0.00008	566.67	0.00002
Verizon B 58	GENERIC PANEL 6FT	1900	15.84	141.40	4.00	40.00	6139.32	0.00009	1000.00	0.00001
Verizon B 59	GENERIC PANEL 6FT	2100	16.39	141.40	4.00	40.00	6968.19	0.00011	1000.00	0.00001
Verizon C 60	GENERIC PANEL 6FT	700	12.33	141.40	4.00	40.00	2736.02	0.00000	466.67	0.00000
Verizon C 61	GENERIC PANEL 6FT	850	12.62	141.40	4.00	40.00	2924.96	0.00000	566.67	0.00000
Verizon C 62	GENERIC PANEL 6FT	1900	15.84	141.40	4.00	40.00	6139.32	0.00000	1000.00	0.00000
Verizon C 63	GENERIC PANEL 6FT	2100	16.39	141.40	4.00	40.00	6968.19	0.00000	1000.00	0.00000
Sprint D 64	GENERIC PANEL 6FT	850	12.62	149.90	2.00	40.00	1462.48	0.00000	566.67	0.00000
Sprint D 65	GENERIC PANEL 6FT	1900	15.84	149.90	2.00	60.00	4604.49	0.00000	1000.00	0.00000
Sprint D 66	GENERIC PANEL 6FT	850	12.62	149.90	2.00	40.00	1462.48	0.00000	566.67	0.00000
Sprint D 67	GENERIC PANEL 6FT	1600	14.49	149.90	8.00	20.00	4499.04	0.00000	1000.00	0.00000
Sprint E 68	GENERIC PANEL 6FT	850	12.62	149.90	2.00	40.00	1462.48	0.00004	566.67	0.00001
Sprint E 69	GENERIC PANEL 6FT	1900	15.84	149.90	2.00	60.00	4604.49	0.00006	1000.00	0.00001
Sprint E 70	GENERIC PANEL 6FT	850	12.62	149.90	2.00	40.00	1462.48	0.00004	566.67	0.00001
Sprint E 71	GENERIC PANEL 6FT	1600	14.49	149.90	8.00	20.00	4499.04	0.00005	1000.00	0.00001
Sprint F 72	GENERIC PANEL 6FT	850	12.62	149.90	2.00	40.00	1462.48	0.00000	566.67	0.00000
Sprint F 73	GENERIC PANEL 6FT	1900	15.84	149.90	2.00	60.00	4604.49	0.00000	1000.00	0.00000
Sprint F 74	GENERIC PANEL 6FT	850	12.62	149.90	2.00	40.00	1462.48	0.00000	566.67	0.00000
Sprint F 75	GENERIC PANEL 6FT	1600	14.49	149.90	8.00	20.00	4499.04	0.00000	1000.00	0.00000
Unknown A 76	GENERIC OMNI 12FT	850	8.96	156.90	1.00	12.70	99.95	0.00000	566.67	0.00000
Unknown A 77	GENERIC OMNI 12FT	850	8.96	158.10	1.00	12.70	99.95	0.00000	566.67	0.00000
Unknown A 78	GENERIC OMNI 12FT	850	8.96	160.40	1.00	12.70	99.95	0.00000	566.67	0.00000
							Cumulative Power Density:	**46.58660 µW/cm²**	**Cumulative % MPE:**	**4.65879%**

Summary

The theoretical calculations performed for this analysis yielded cumulative power density totals in all areas at Ground Level that are within the allowable federal limits for public exposure to RF energy. Therefore, the site is **Compliant** with FCC rules and regulations.

Matt Schulzinger
RF EME Technical Writer
Centerline Communications, LLC

AMERICAN TOWER®
CORPORATION

Structural Analysis Report

Structure	:	**148 ft Monopole**
ATC Site Name	:	**Madison CT 6,CT**
ATC Site Number	:	**302540**
Engineering Number	:	**13757740_C3_04**
Proposed Carrier	:	**AT&T MOBILITY**
Carrier Site Name	:	**MRCTB055969**
Carrier Site Number	:	**CT2178**
Site Location	:	**8 Old 79** **Madison, CT 06443-2685** **41.2855, -72.6013**
County	:	**New Haven**
Date	:	**February 28, 2022**
Max Usage	:	**64%**
Result	:	**Pass**

Prepared By:

Sammie Brown
Structural Engineer I

Reviewed By:

COA : PEC.0001553

Table of Contents

Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 148 ft Monopole to reflect the change in loading by AT&T MOBILITY.

Supporting Documents

Tower Drawings	Summit, PJF Job #29299-729, dated November 12, 1999
Foundation Drawing	Spectrasite Project #F301896.00, dated January 4, 2000
Geotechnical Report	Dr. Clarence Welti, P.E., P.C., dated November 19, 1999

Analysis

The tower was analyzed using American Tower Corporation's tower analysis software. This program considers an elastic three-dimensional model and second-order effects per ANSI/TIA-222.

Basic Wind Speed:	123 mph (3-second gust)
Basic Wind Speed w/ Ice:	50 mph (3-second gust) w/ 1.00" radial ice concurrent
Code:	ANSI/TIA-222-H / 2015 IBC / 2018 Connecticut State Building Code
Exposure Category:	B
Risk Category:	II
Topographic Factor Procedure:	Method 1
Topographic Category:	1
Crest Height (H):	0 ft
Crest Length (L):	0 ft
Spectral Response:	Ss = 0.20, S_1 = 0.05
Site Class:	D - Stiff Soil - Default

Conclusion

Based on the analysis results, the structure meets the requirements per the applicable codes listed above. The tower and foundation can support the equipment as described in this report.

If you have any questions or require additional information, please contact American Tower via email at Engineering@americantower.com. Please include the American Tower site name, site number, and engineering number in the subject line for any questions.

Existing and Reserved Equipment

Elev.[1] (ft)	Qty	Equipment	Mount Type	Lines	Carrier
160.4	1	Generic 18' Dipole	Side Arm	(5) 7/8" Coax	OTHER
158.1	1	Generic 10' Dipole	Side Arm		
156.9	1	Generic 11' Omni	Side Arm		
149.9	12	Generic 48" x 8" Panel	Triangular Low Profile Platform	(12) 1 1/4" Coax	SPRINT NEXTEL
140.0	1	RFS DB-C1-12C-24AB-0Z	Triangular Low Profile Platform	(2) 1 1/4" Hybriflex Cable (10) 1 5/8" Coax	VERIZON WIRELESS
	3	Samsung B5/B13 RRH-BR04C			
	1	Commscope LNX-6514DS-A1M			
	2	Andrew LNX-8513DS-A1M			
	6	Commscope JAHH-65B-R3B			
	3	Commscope CBC78T-DS-43-2X			
	3	Samsung Outdoor CBRS 20W RRH –Clip-on Antenna			
	3	Samsung B2/B66A RRH-BR049			
132.0	3	Ericsson RRUS 32 B30 (53 lbs)	Triangular Platform with Handrails	(3) 3" conduit (6) 1 5/8" Coax (1) 2" conduit	AT&T MOBILITY
	1	Raycap DC6-48-60-18-8F ("Squid")			
	3	Kathrein Scala 80010964			
120.0	4	RFS APXVAALL24 43-U-NA20	Square Low Profile Platform	(8) 1 5/8" Hybriflex	T-MOBILE
	4	Ericsson Air6449 B41			
	4	Ericsson Radio 4480 B71+B85A			
	4	Ericsson Radio 4460 B25+B66			
	4	RFS APX16DWV-16DWVS-E-A20			
110.0	3	Fujitsu TA08025-B604	Triangular Platform with Handrails	(1) 1.60" (40.6mm) Hybrid	DISH WIRELESS L.L.C.
	1	Commscope RDIDC-9181-PF-48			
	3	JMA Wireless MX08FRO665-21			
	3	Fujitsu TA08025-B605			
112.0	3	Generic 56" x 14" Panel	Flush	-	OTHER
	6	Generic 6.7" x 10.7" TTA			
97.5	3	Alcatel-Lucent TD-RRH8x20-25 w/ Solar Shield	Triangular Platform with Handrails	(4) 1 1/4" Hybriflex Cable	SPRINT NEXTEL
	3	Alcatel-Lucent 800 MHz 2X50W RRH w/ Filter			
	3	RFS APXVSPP18-C-A20			
	3	Alcatel-Lucent 1900 MHz 4X45 RRH			
	3	RFS APXV9TM14-ALU-I20			
86.0	3	RFS APXV18-206517S-C	Flush	(6) 1 5/8" Coax	METRO PCS INC
73.0	1	Generic GPS	Flush	(1) 1/2" Coax	SPRINT NEXTEL

Equipment to be Removed

Elev.[1] (ft)	Qty	Equipment	Mount Type	Lines	Carrier
132.0	6	Powerwave Allgon LGP13519	-	(2) 0.39" (10mm) Fiber Trunk (4) 0.78" (19.7mm) 8 AWG 6 (6) 1 5/8" Coax	AT&T MOBILITY
	6	Powerwave Allgon TT19-08BP111-001			
	1	Raycap DC6-48-60-18-8F ("Squid")			
	3	Commscope SBNHH-1D65A			
	3	Ericsson RRUS A2 B2			
	3	Ericsson RRUS-12 B2			
	3	KMW AM-X-CD-14-65-00T-RET			
	3	Ericsson Radio 4449 B13, B5			

Proposed Equipment

Elev.[1] (ft)	Qty	Equipment	Mount Type	Lines	Carrier
134.0	3	Ericsson Air 6449 B77D	Triangular Platform with Handrails	(3) 0.41" (10.3mm) Fiber (2) 0.82" (20.8mm) 8 AWG 6 (4) 0.92" (23.4mm) Cable (3) 2" conduit	AT&T MOBILITY
132.0	3	Ericsson RRUS 8843 B2, B66A			
	3	Ericsson RRUS 4449 B5, B12			
	3	Ericsson RRUS 4478 B14			
	2	Raycap DC9-48-60-24-8C-EV			
	3	CCI DMP65R-BU6E			
130.0	3	Ericsson AIR 6419 B77G			

[1] Contracted elevations are shown for appurtenances within contracted installation tolerances. Appurtenances outside of contract limits are shown at installed elevations.

Install proposed lines inside the pole shaft.

Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Anchor Bolts	59%	Pass
Shaft	64%	Pass
Base Plate	30%	Pass

Foundations

Reaction Component	Original Design Reactions	Factored Design Reactions*	Analysis Reactions	% of Design
Moment (Kips-Ft)	5050.0	6817.5	4218.2	62%
Shear (Kips)	47.0	63.4	38.3	60%
* The design reactions are factored by 1.35 per ANSI/TIA-222-H, Sec. 15.6.2				

The structure base reactions resulting from this analysis are acceptable when compared to those shown on the original structure drawings, therefore no modification or reinforcement of the foundation will be required.

Deflection and Sway*

Antenna Elevation (ft)	Antenna	Carrier	Deflection (ft)	Sway (Rotation) (°)
134.0	Ericsson Air 6449 B77D	AT&T MOBILITY	1.060	0.900
132.0	Ericsson RRUS 4449 B5, B12	AT&T MOBILITY	1.029	0.890
	Ericsson RRUS 8843 B2, B66A			
	Ericsson RRUS 4478 B14			
	Raycap DC9-48-60-24-8C-EV			
	CCI DMP65R-BU6E			
130.0	Ericsson AIR 6419 B77G	AT&T MOBILITY	0.998	0.890

***Deflection and Sway was evaluated considering a design wind speed of 60 mph (3-Second Gust) per ANSI/TIA-222-H**

Standard Conditions

All engineering services performed by A.T. Engineering Service, PLLC are prepared on the basis that the information used is current and correct. This information may consist of, but is not limited to the following:

- Information supplied by the client regarding antenna, mounts and feed line loading
- Information from drawings, design and analysis documents, and field notes in the possession of A.T. Engineering Service, PLLC

It is the responsibility of the client to ensure that the information provided to A.T. Engineering Service, PLLC and used in the performance of our engineering services is correct and complete.

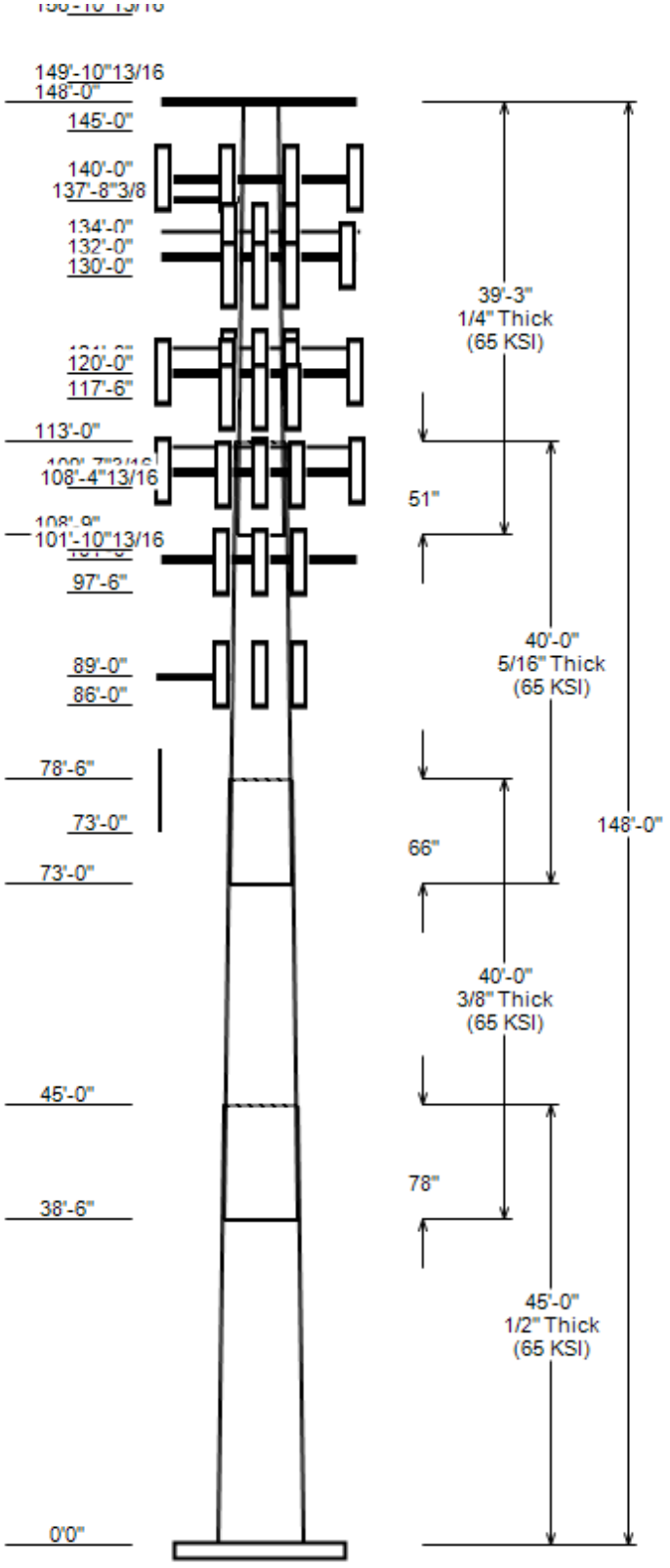
All assets of American Tower Corporation, its affiliates, and subsidiaries (collectively "American Tower") are inspected at regular intervals. Based upon these inspections and in the absence of information to the contrary, American Tower assumes that all structures were constructed in accordance with the drawings and specifications.

Unless explicitly agreed by both the client and A.T. Engineering Service, PLLC, all services will be performed in accordance with the current revision of ANSI/TIA-222.

All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. A.T. Engineering Service, PLLC is not responsible for the conclusions, opinions and recommendations made by others based on the information supplied herein.

JOB INFORMATION

Asset :	302540, Madison CT 6	Height :	148 ft
Client :	AT&T MOBILITY	Base Width :	61.05
Code :	ANSI/TIA-222-H	Shape :	18 Sides



SITE PARAMETERS

Nominal Wind: 123 mph wind with no ice **Topo Category:** 1

Ice Wind: 50 mph wind with 1" radial **Topo Method:** Method 1

Base Elev (ft): 0.00 **Taper :** 0.26300(In/ft) **Topo Feature:**

Structure Class: II **Exposure :** B **S_s :** 0.205 **S_1** : 0.054

SECTION PROPERTIES

Shaft Section	Length (ft)	Diameter (in) Across Flats Top	Diameter (in) Across Flats Bottom	Thick (in)	Joint Type	Overlap Length (in)	Shape	Steel Grade (ksi)
1	45.000	49.22	61.05	0.500		0.000	18 Sides	65
2	40.000	41.15	51.67	0.375	Slip Joint	78.000	18 Sides	65
3	40.000	32.70	43.23	0.312	Slip Joint	66.000	18 Sides	65
4	39.250	24.00	34.32	0.250	Slip Joint	51.000	18 Sides	65

DISCRETE APPURTENANCE

Attach Elev (ft)	Force Elev (ft)	Qty	Description
160.4	160.4	1	Generic 18' Dipole
158.1	158.1	1	Generic 10' Dipole
156.9	156.9	1	Generic 11' Omni
149.9	149.9	12	Generic 48" x 8" Panel
148.0	148.0	1	Flat Low Profile Platform
145.0	145.0	1	RFS DB-C1-12C-24AB-0Z
140.0	140.0	3	Commscope CBC78T-DS-43-2X
140.0	140.0	3	Samsung Outdoor CBRS 20W RRH –
140.0	140.0	3	Samsung B5/B13 RRH-BR04C
140.0	140.0	3	Samsung B2/B66A RRH-BR049
140.0	140.0	1	Commscope LNX-6514DS-A1M
140.0	140.0	2	Andrew LNX-8513DS-A1M
140.0	140.0	6	Commscope JAHH-65B-R3B
140.0	140.0	1	Flat Low Profile Platform
138.0	138.0	1	Collar
137.7	137.7	3	Ericsson RRUS 32 B30 (53 lbs)
134.0	134.0	3	Ericsson Air 6449 B77D
132.0	132.0	1	Raycap DC6-48-60-18-8F ("Squid
132.0	132.0	3	Ericsson RRUS 8843 B2, B66A
132.0	132.0	3	Ericsson RRUS 4449 B5, B12
132.0	132.0	3	Ericsson RRUS 4478 B14
132.0	132.0	2	Raycap DC9-48-60-24-8C-EV
132.0	132.0	1	Generic Mount Reinforcement
132.0	132.0	3	Kathrein Scala 80010964
132.0	132.0	3	CCI DMP65R-BU6E
132.0	132.0	1	Generic Flat Platform with Han
130.0	130.0	3	Ericsson AIR 6419 B77G
121.0	121.0	4	RFS APXVAALL24 43-U-NA20
120.0	120.0	4	Ericsson Radio 4460 B25+B66
120.0	120.0	4	Ericsson Radio 4480 B71+B85A
120.0	120.0	4	Ericsson Air6449 B41
120.0	120.0	1	Generic Square Platform with H
117.5	117.5	4	RFS APX16DWV-16DWVS-E-A20
110.0	110.0	1	Commscope RDIDC-9181-PF-48
110.0	110.0	3	Fujitsu TA08025-B604
110.0	110.0	3	Fujitsu TA08025-B605
110.0	110.0	3	JMA Wireless MX08FRO665-21
110.0	110.0	1	Generic Flat Platform with Han
109.6	109.6	3	Generic 56" x 14" Panel
108.4	108.4	6	Generic 6.7" x 10.7" TTA
102.0	105.5	3	Alcatel-Lucent TD-RRH8x20-25 w
101.9	105.4	3	Alcatel-Lucent 800 MHz 2X50W R
101.0	101.0	1	Flat Platform w/ Handrails

JOB INFORMATION

Asset :	302540, Madison CT 6	Height :	148 ft
Client :	AT&T MOBILITY	Base Width :	61.05
Code :	ANSI/TIA-222-H	Shape :	18 Sides

DISCRETE APPURTENANCE

Attach Elev (ft)	Force Elev (ft)	Qty	Description
97.5	101.0	3	Alcatel-Lucent 1900 MHz 4X45 R
97.5	101.0	3	RFS APXV9TM14-ALU-I20
97.5	101.0	3	RFS APXVSPP18-C-A20
89.0	89.0	1	Collar
86.0	89.0	3	RFS APXV18-206517S-C
73.0	75.0	1	Generic GPS

LINEAR APPURTENANCE

Elev From (ft)	Elev To (ft)	Description	Exp To Wind
0.0	160.0	7/8" Coax	No
0.0	157.0	7/8" Coax	No
0.0	150.0	1 1/4" Coax	No
0.0	145.0	1 1/4" Hybriflex Cable	No
0.0	140.0	1 5/8" Coax	No
0.0	135.0	3" conduit	No
0.0	132.0	2" conduit	No
0.0	132.0	2" conduit	No
0.0	132.0	1 5/8" Coax	No
0.0	132.0	0.92" (23.4mm) Cable	No
0.0	132.0	0.82" (20.8mm) 8 AWG 6	No
0.0	132.0	0.41" (10.3mm) Fiber	No
0.0	120.0	1 5/8" Hybriflex	Yes
0.0	110.0	1.60" (40.6mm) Hybrid	No
0.0	97.5	1 1/4" Hybriflex Cable	No
0.0	86.0	1 5/8" Coax	No
0.0	73.0	1/2" Coax	Yes

LOAD CASES

1.2D + 1.0W Normal	123 mph wind with no ice
0.9D + 1.0W Normal	123 mph wind with no ice
1.2D + 1.0Di + 1.0Wi Nor	50 mph wind with 1" radial ice
1.2D + 1.0Ev + 1.0Eh Nor	Seismic
0.9D - 1.0Ev + 1.0Eh Nor	Seismic (Reduced DL)
1.0D + 1.0W Service Norm	60 mph Wind with No Ice

REACTIONS

Load Case	Moment (kip-ft)	Shear (Kip)	Axial (Kip)
1.2D + 1.0W Normal	4218.18	38.31	74.78
0.9D + 1.0W Normal	4172.08	38.29	56.07
1.2D + 1.0Di + 1.0Wi Normal	1025.85	9.34	98.76
1.2D + 1.0Ev + 1.0Eh Normal	223.76	1.87	74.99
0.9D - 1.0Ev + 1.0Eh Normal	220.67	1.87	51.63
1.0D + 1.0W Service Normal	892.12	8.15	62.35

DISH DEFLECTIONS

Load Case	Attach Elev (ft)	Deflection (in)	Rotation (deg)

ANALYSIS PARAMETERS

Location:	New Haven County,CT	**Height:**	148 ft
Type and Shape:	Taper, 18 Sides	**Base Diameter:**	61.05 in
Manufacturer:	Undetermined	**Top Diameter:**	24.00 in
K_d (non-service):	0.95	**Taper:**	0.2630 in/ft
K_e:	1.00	**Rotation:**	0.000°

ICE & WIND PARAMETERS

Exposure Category:	B	**Design Wind Speed w/o Ice:**	123 mph
Risk Category:	II	**Design Wind Speed w/Ice:**	50 mph
Topo Factor Procedure:	Method 1	**Operational Wind Speed:**	60 mph
Topographic Category:	1	**Design Ice Thickness:**	1.00 in
Crest Height:	0 ft	**HMSL:**	30.00 ft

SEISMIC PARAMETERS

Analysis Method:	Equivalent Lateral Force Method				
Site Class:	D - Stiff Soil			**Period Based on Rayleigh Method (sec):**	2.25
T_L (sec):	6	**P:**	1	**C_s:**	0.030
S_s:	0.205	**S_1:**	0.054	**C_s Max:**	0.030
F_a:	1.600	**F_v:**	2.400	**C_s Min:**	0.030
S_{ds}:	0.219	**S_{d1}:**	0.086		

LOAD CASES

1.2D + 1.0W Normal	123 mph wind with no ice
0.9D + 1.0W Normal	123 mph wind with no ice
1.2D + 1.0Di + 1.0Wi Normal	50 mph wind with 1" radial ice
1.2D + 1.0Ev + 1.0Eh Normal	Seismic
0.9D - 1.0Ev + 1.0Eh Normal	Seismic (Reduced DL)
1.0D + 1.0W Service Normal	60 mph Wind with No Ice

SHAFT SECTION PROPERTIES

Sect Info	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Slip Joint len (in)	Weight (lb)	Bottom Dia (in)	Bottom Elev (ft)	Bottom Area (in²)	Bottom Ix (in⁴)	Bottom W/t Ratio	Bottom D/t Ratio	Top Dia (in)	Top Elev (in)	Top Area (in²)	Top Ix (in⁴)	Top W/t Ratio	Top D/t Ratio	Taper (in/ft)
1-18	45.00	0.5000	65		0.00	13,276	61.05	0.000	96.09	44,509.9	19.77	122.10	49.22	45.00	77.31	23,179.0	15.59	98.43	0.2630
2-18	40.00	0.3750	65	Slip	78.00	7,458	51.67	38.500	61.06	20,300.6	22.53	137.80	41.15	78.50	48.54	10,197.3	17.59	109.74	0.2630
3-18	40.00	0.3125	65	Slip	66.00	5,083	43.23	73.000	42.56	9,902.9	22.63	138.32	32.70	113.00	32.13	4,259.3	16.69	104.66	0.2630
								108.75								1,343.0			
4-18	39.25	0.2500	65	Slip	51.00	3,064	34.32	0	27.04	3,965.7	22.45	137.29	24.00	148.00	18.85		15.16	96.00	0.2630

Shaft Weight 28,881

DISCRETE APPURTENANCE PROPERTIES

Attach Elev (ft)	Description	Qty	Ka	Vert Ecc (ft)	No Ice Weight (lb)	No Ice EPAa (sf)	No Ice Orientation Factor	Ice Weight (lb)	Ice EPAa (sf)	Ice Orientation Factor
160.40	Generic 18' Dipole	1	1.00	0.000	55.00	6.770	1.00	187.84	13.893	1.00
158.10	Generic 10' Dipole	1	1.00	0.000	30.00	3.760	1.00	104.21	7.751	1.00
156.90	Generic 11' Omni	1	1.00	0.000	40.00	3.300	1.00	95.55	5.931	1.00
149.90	Generic 48" x 8" Panel	12	0.80	0.000	20.00	3.615	0.73	78.91	4.860	0.73
148.00	Flat Low Profile Platform	1	1.00	0.000	1500.00	26.100	1.00	1931.79	38.824	1.00
145.00	RFS DB-C1-12C-24AB-0Z	1	0.80	0.000	32.00	4.056	1.00	116.47	4.963	1.00
140.00	Andrew LNX-8513DS-A1M	2	0.80	0.000	39.20	8.173	0.77	155.83	10.042	0.77
140.00	Commscope LNX-6514DS-A1M	1	0.80	0.000	38.80	8.173	1.00	155.44	10.042	1.00
140.00	Samsung B2/B66A RRH-BR049	3	0.80	0.000	84.40	1.875	0.50	126.69	2.473	0.50
140.00	Commscope JAHH-65B-R3B	6	0.80	0.000	60.60	9.113	0.69	194.72	10.952	0.69
140.00	Flat Low Profile Platform	1	1.00	0.000	1500.00	26.100	1.00	1929.53	38.757	1.00
140.00	Samsung B5/B13 RRH-BR04C	3	0.80	0.000	70.30	1.875	0.50	108.22	2.473	0.50
140.00	Samsung Outdoor CBRS 20W RRH –	3	0.80	0.000	4.40	0.892	0.50	16.34	1.316	0.50
140.00	Commscope CBC78T-DS-43-2X	3	0.80	0.000	20.70	0.552	0.50	35.35	0.889	0.50
138.00	Collar	1	1.00	0.000	560.00	8.500	1.00	870.11	13.207	1.00
137.70	Ericsson RRUS 32 B30 (53 lbs)	3	0.75	0.000	53.00	2.743	0.67	101.67	3.517	0.67
134.00	Ericsson Air 6449 B77D	3	0.75	0.000	81.60	4.028	0.65	149.48	4.936	0.65
132.00	Generic Flat Platform with Han	1	1.00	0.000	2500.00	42.400	1.00	3670.78	56.222	1.00
132.00	CCI DMP65R-BU6E	3	0.75	0.000	103.80	12.709	0.65	287.38	14.547	0.65
132.00	Kathrein Scala 80010964	3	0.75	0.000	83.80	9.997	0.62	218.62	11.553	0.62
132.00	Generic Mount Reinforcement	1	1.00	0.000	200.00	7.500	1.00	327.55	12.435	1.00
132.00	Raycap DC9-48-60-24-8C-EV	2	0.75	0.000	16.00	4.788	0.75	101.08	5.757	0.75
132.00	Ericsson RRUS 4478 B14	3	0.75	0.000	59.40	2.021	0.67	99.84	2.643	0.67
132.00	Ericsson RRUS 4449 B5, B12	3	0.75	0.000	71.00	1.969	0.50	113.48	2.584	0.50
132.00	Ericsson RRUS 8843 B2, B66A	3	0.75	0.000	72.00	1.639	0.50	112.40	2.196	0.50
132.00	Raycap DC6-48-60-18-8F ("Squid	1	0.75	0.000	31.80	1.470	1.00	72.46	1.930	1.00
130.00	Ericsson AIR 6419 B77G	3	0.75	0.000	66.10	3.797	0.65	129.87	4.663	0.65
121.00	RFS APXVAALL24 43-U-NA20	4	0.80	0.000	122.80	20.243	0.63	377.37	22.667	0.63
120.00	Generic Square Platform with H	1	1.00	0.000	3790.00	49.300	1.00	6684.81	104.887	1.00
120.00	Ericsson Air6449 B41	4	0.80	0.000	104.00	5.682	0.63	192.94	6.718	0.63
120.00	Ericsson Radio 4480 B71+B85A	4	0.80	0.000	84.00	2.852	0.67	133.30	3.581	0.67
120.00	Ericsson Radio 4460 B25+B66	4	0.80	0.000	109.00	2.564	0.67	166.68	3.252	0.67
117.50	RFS APX16DWV-16DWVS-E-A20	4	0.80	0.000	40.70	6.586	0.60	116.77	7.996	0.60
110.00	JMA Wireless MX08FRO665-21	3	0.75	0.000	64.50	12.489	0.64	230.93	14.309	0.64
110.00	Fujitsu TA08025-B605	3	0.75	0.000	75.00	1.962	0.50	115.56	2.558	0.50
110.00	Fujitsu TA08025-B604	3	0.75	0.000	63.90	1.962	0.50	101.66	2.558	0.50
110.00	Commscope RDIDC-9181-PF-48	1	0.75	0.000	21.90	1.867	1.00	58.75	2.450	1.00
110.00	Generic Flat Platform with Han	1	1.00	0.000	2500.00	42.400	1.00	3650.29	55.980	1.00
109.60	Generic 56" x 14" Panel	3	1.00	0.000	40.00	6.896	0.66	138.77	8.304	0.66
108.40	Generic 6.7" x 10.7" TTA	6	1.00	0.000	9.90	0.597	0.50	15.64	0.942	0.50
102.00	Alcatel-Lucent TD-RRH8x20-25 w	3	0.75	3.500	70.00	4.046	0.61	130.74	4.899	0.61
101.90	Alcatel-Lucent 800 MHz 2X50W R	3	0.75	3.500	64.00	2.058	0.67	113.49	2.673	0.67
101.00	Flat Platform w/ Handrails	1	1.00	0.000	2000.00	42.400	1.00	2912.13	55.860	1.00
97.50	Alcatel-Lucent 1900 MHz 4X45 R	3	0.75	3.500	60.00	2.322	0.67	111.50	3.013	0.67
97.50	RFS APXVSPP18-C-A20	3	0.75	3.500	57.00	8.024	0.69	167.23	9.807	0.69
97.50	RFS APXV9TM14-ALU-I20	3	0.75	3.500	55.10	6.381	0.66	143.04	7.782	0.66
89.00	Collar	1	1.00	0.000	560.00	8.500	1.00	856.33	12.998	1.00
86.00	RFS APXV18-206517S-C	3	1.00	3.000	26.40	5.160	0.68	84.92	6.654	0.68
73.00	Generic GPS	1	1.00	2.000	10.00	0.900	1.00	28.15	1.297	1.00
Totals	Num Loadings: 49	131			22,024.10			38,834.87		

LINEAR APPURTENANCE PROPERTIES

Load Case Azimuth (deg) : _

Elev From (ft)	Elev To (ft)	Qty	Description	Coax Dia (in)	Coax Wt (lb/ft)	Flat	Max Coax/ Row	Dist Between Rows(in)	Dist Between Cols(in)	Azimuth (deg)	Dist From Face (in)	Exposed To Wind	Carrier
0.00	160.00	4	7/8" Coax	1.09	0.33	N	0	0	0	0	0	N	Other
0.00	157.00	1	7/8" Coax	1.09	0.33	N	0	0	0	0	0	N	Other
0.00	150.00	12	1 1/4" Coax	1.55	0.63	N	0	0	0	0	0	N	SPRINT NEXTEL
0.00	145.00	2	1 1/4" Hybriflex Cabl	1.54	1	N	0	0	0	0	0	N	VERIZON WIREL
0.00	140.00	10	1 5/8" Coax	1.98	0.82	N	0	0	0	0	0	N	VERIZON WIREL
0.00	135.00	3	3" conduit	3.5	7.58	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	132.00	6	1 5/8" Coax	1.98	0.82	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	132.00	4	0.92" (23.4mm) Cable	0.92	0.89	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	132.00	3	2" conduit	2.38	3.65	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	132.00	3	0.41" (10.3mm) Fiber	0.41	0.09	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	132.00	2	0.82" (20.8mm) 8 AWG	0.82	0.62	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	132.00	1	2" conduit	2.38	3.65	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	120.00	8	1 5/8" Hybriflex	1.98	1.3	N	4	1	1	90	1	Y	T-MOBILE
0.00	110.00	1	1.60" (40.6mm) Hybrid	1.6	2.34	N	0	0	0	0	0	N	DISH WIRELESS
0.00	97.50	4	1 1/4" Hybriflex Cabl	1.54	1	N	0	0	0	0	0	N	SPRINT NEXTEL
0.00	86.00	6	1 5/8" Coax	1.98	0.82	N	0	0	0	0	0	N	METRO PCS INC
0.00	73.00	1	1/2" Coax	0.63	0.15	N	1	1	1	85	1	Y	SPRINT NEXTEL

SEGMENT PROPERTIES

(Max Len: 5.ft)

Seg Top Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	F'y (ksi)	S (in^3)	Z (in^3)	Weight (lb)
0.00		0.5000	61.050	96.089	44,509.90	19.77	122.10	78.2	1436.0	0.0	0.0
5.00		0.5000	59.735	94.003	41,672.40	19.30	119.47	78.7	1374.0	0.0	1,617.1
10.00		0.5000	58.420	91.916	38,958.20	18.84	116.84	79.2	1313.5	0.0	1,581.6
15.00		0.5000	57.105	89.829	36,364.40	18.38	114.21	79.8	1254.3	0.0	1,546.1
20.00		0.5000	55.790	87.742	33,888.40	17.91	111.58	80.3	1196.4	0.0	1,510.6
25.00		0.5000	54.475	85.655	31,527.40	17.45	108.95	80.9	1139.9	0.0	1,475.1
30.00		0.5000	53.160	83.568	29,278.70	16.98	106.32	81.4	1084.8	0.0	1,439.6
35.00		0.5000	51.845	81.481	27,139.60	16.52	103.69	82	1031.1	0.0	1,404.1
38.50	Bot - Section 2	0.5000	50.924	80.020	25,705.90	16.20	101.85	82.4	994.2	0.0	961.7
40.00		0.5000	50.530	79.394	25,107.30	16.06	101.06	82.5	978.7	0.0	717.3
45.00	Top - Section 1	0.3750	49.965	59.022	18,337.90	21.73	133.24	75.8	722.9	0.0	2,350.6
50.00		0.3750	48.650	57.457	16,917.40	21.11	129.73	76.6	684.9	0.0	990.9
55.00		0.3750	47.335	55.892	15,572.20	20.49	126.23	77.3	648.0	0.0	964.3
60.00		0.3750	46.020	54.327	14,300.30	19.88	122.72	78	612.0	0.0	937.6
65.00		0.3750	44.705	52.761	13,099.60	19.26	119.21	78.8	577.1	0.0	911.0
70.00		0.3750	43.390	51.196	11,968.00	18.64	115.71	79.5	543.3	0.0	884.4
73.00	Bot - Section 3	0.3750	42.601	50.257	11,321.40	18.27	113.60	79.9	523.4	0.0	517.8
75.00		0.3750	42.075	49.631	10,903.60	18.02	112.20	80.2	510.4	0.0	627.8
78.50	Top - Section 2	0.3125	41.779	41.128	8,934.80	21.81	133.69	75.7	421.2	0.0	1,079.8
80.00		0.3125	41.385	40.737	8,682.30	21.59	132.43	76	413.2	0.0	208.9
85.00		0.3125	40.069	39.433	7,874.70	20.85	128.22	76.9	387.1	0.0	682.0
86.00		0.3125	39.806	39.172	7,719.50	20.70	127.38	77.1	382.0	0.0	133.7
89.00		0.3125	39.017	38.389	7,266.00	20.25	124.86	77.6	366.8	0.0	395.9
90.00		0.3125	38.754	38.128	7,118.90	20.10	124.01	77.8	361.8	0.0	130.2
95.00		0.3125	37.439	36.824	6,413.00	19.36	119.81	78.6	337.4	0.0	637.6
97.50		0.3125	36.782	36.172	6,078.30	18.99	117.70	79.1	325.5	0.0	310.5
100.00		0.3125	36.124	35.520	5,755.40	18.62	115.60	79.5	313.8	0.0	304.9
101.00		0.3125	35.861	35.259	5,629.50	18.47	114.76	79.7	309.2	0.0	120.4
101.90		0.3125	35.625	35.024	5,517.80	18.34	114.00	79.8	305.1	0.0	107.6
102.00		0.3125	35.598	34.998	5,505.50	18.32	113.91	79.8	304.6	0.0	11.9
105.00		0.3125	34.809	34.215	5,144.40	17.88	111.39	80.4	291.1	0.0	353.3
108.40		0.3125	33.915	33.328	4,754.60	17.37	108.53	81	276.1	0.0	390.7
108.75	Bot - Section 4	0.3125	33.823	33.237	4,715.60	17.32	108.23	81	274.6	0.0	39.6
109.60		0.3125	33.600	33.015	4,621.90	17.20	107.52	81.2	270.9	0.0	173.8
110.00		0.3125	33.494	32.911	4,578.20	17.14	107.18	81.2	269.2	0.0	81.4
113.00	Top - Section 3	0.2500	33.205	26.149	3,588.10	21.66	132.82	75.9	212.8	0.0	602.1
115.00		0.2500	32.679	25.732	3,419.00	21.29	130.72	76.4	206.1	0.0	176.5
117.50		0.2500	32.022	25.210	3,215.20	20.82	128.09	76.9	197.8	0.0	216.7
120.00		0.2500	31.364	24.688	3,019.70	20.36	125.46	77.5	189.6	0.0	212.2
121.00		0.2500	31.101	24.480	2,943.80	20.17	124.41	77.7	186.4	0.0	83.7
125.00		0.2500	30.049	23.645	2,652.80	19.43	120.20	78.5	173.9	0.0	327.5
130.00		0.2500	28.734	22.601	2,316.80	18.50	114.94	79.6	158.8	0.0	393.4
132.00		0.2500	28.208	22.184	2,190.80	18.13	112.83	80.1	153.0	0.0	152.4
134.00		0.2500	27.682	21.767	2,069.50	17.76	110.73	80.5	147.2	0.0	149.6
135.00		0.2500	27.419	21.558	2,010.50	17.58	109.68	80.7	144.4	0.0	73.7
137.70		0.2500	26.709	20.995	1,857.00	17.07	106.84	81.3	136.9	0.0	195.5
138.00		0.2500	26.630	20.932	1,840.40	17.02	106.52	81.4	136.1	0.0	21.4
140.00		0.2500	26.104	20.515	1,732.50	16.65	104.42	81.8	130.7	0.0	141.0
145.00		0.2500	24.789	19.471	1,481.40	15.72	99.16	82.6	117.7	0.0	340.2
148.00		0.2500	24.000	18.845	1,343.00	15.16	96.00	82.6	110.2	0.0	195.6
									Totals:		28,881.3

Load Case: 1.2D + 1.0W Normal 123 mph wind with no ice 23 Iterations
Gust Response Factor: 1.10
Dead load Factor: 1.20
Wind Load Factor: 1.00

CALCULATED FORCES

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 (deg)	Ratio
0.00	-74.78	-38.31	0.00	-4,218.2	0.00	4,218.18	6,758.62	1,686.37	9,222.92	8,416.93	0	0	0.513
5.00	-72.22	-37.95	0.00	-4,026.6	0.00	4,026.62	6,657.98	1,649.74	8,826.71	8,110.05	0.07	-0.13	0.508
10.00	-69.70	-37.60	0.00	-3,836.9	0.00	3,836.86	6,555.29	1,613.12	8,439.20	7,806.21	0.28	-0.27	0.503
15.00	-67.23	-37.25	0.00	-3,648.9	0.00	3,648.86	6,450.55	1,576.49	8,060.39	7,505.59	0.63	-0.4	0.497
20.00	-64.80	-36.90	0.00	-3,462.6	0.00	3,462.62	6,343.77	1,539.87	7,690.27	7,208.36	1.13	-0.54	0.491
25.00	-62.41	-36.56	0.00	-3,278.1	0.00	3,278.12	6,234.93	1,503.25	7,328.86	6,914.68	1.77	-0.68	0.485
30.00	-60.07	-36.21	0.00	-3,095.4	0.00	3,095.35	6,124.05	1,466.62	6,976.14	6,624.72	2.57	-0.83	0.478
35.00	-57.78	-35.90	0.00	-2,914.3	0.00	2,914.32	6,011.12	1,430.00	6,632.12	6,338.64	3.51	-0.97	0.470
38.50	-56.21	-35.70	0.00	-2,788.7	0.00	2,788.68	5,930.85	1,404.36	6,396.48	6,140.79	4.27	-1.08	0.464
40.00	-55.14	-35.46	0.00	-2,735.1	0.00	2,735.13	5,896.14	1,393.37	6,296.80	6,056.62	4.61	-1.12	0.462
45.00	-51.70	-35.04	0.00	-2,557.8	0.00	2,557.82	4,028.71	1,035.84	4,639.55	4,111.86	5.87	-1.27	0.636
50.00	-49.89	-34.66	0.00	-2,382.6	0.00	2,382.64	3,959.48	1,008.37	4,396.77	3,933.24	7.29	-1.42	0.620
55.00	-48.10	-34.28	0.00	-2,209.4	0.00	2,209.37	3,888.20	980.90	4,160.52	3,756.41	8.88	-1.62	0.602
60.00	-46.34	-33.90	0.00	-2,038.0	0.00	2,037.97	3,814.88	953.43	3,930.79	3,581.54	10.68	-1.81	0.582
65.00	-44.62	-33.50	0.00	-1,868.5	0.00	1,868.49	3,739.51	925.96	3,707.59	3,408.81	12.68	-2.01	0.561
70.00	-42.96	-33.16	0.00	-1,701.0	0.00	1,700.99	3,662.08	898.49	3,490.91	3,238.38	14.89	-2.2	0.538
73.00	-41.96	-32.91	0.00	-1,601.4	0.00	1,601.44	3,614.65	882.01	3,364.03	3,137.29	16.31	-2.32	0.523
75.00	-40.95	-32.66	0.00	-1,535.6	0.00	1,535.63	3,582.61	871.03	3,280.75	3,070.41	17.3	-2.4	0.513
78.50	-39.24	-32.40	0.00	-1,421.3	0.00	1,421.31	2,803.83	721.80	2,703.37	2,392.99	19.11	-2.53	0.610
80.00	-38.77	-32.14	0.00	-1,372.7	0.00	1,372.71	2,786.75	714.93	2,652.18	2,355.62	19.91	-2.59	0.599
85.00	-37.36	-31.85	0.00	-1,212.0	0.00	1,212.01	2,728.50	692.04	2,485.09	2,231.98	22.74	-2.8	0.559
86.00	-36.99	-31.27	0.00	-1,178.9	0.00	1,178.94	2,716.60	687.46	2,452.32	2,207.43	23.33	-2.85	0.550
89.00	-35.52	-30.72	0.00	-1,085.1	0.00	1,085.12	2,680.42	673.73	2,355.33	2,134.18	25.16	-2.97	0.524
90.00	-35.22	-30.46	0.00	-1,054.4	0.00	1,054.41	2,668.19	669.15	2,323.43	2,109.89	25.79	-3.01	0.515
95.00	-33.90	-30.09	0.00	-902.1	0.00	902.10	2,605.84	646.26	2,167.21	1,989.53	29.05	-3.21	0.469
97.50	-32.69	-28.79	0.00	-823.3	0.00	823.32	2,573.90	634.81	2,091.13	1,930.05	30.76	-3.3	0.441
100.00	-32.06	-28.60	0.00	-751.4	0.00	751.35	2,541.44	623.37	2,016.42	1,871.06	32.51	-3.4	0.416
101.00	-29.52	-26.67	0.00	-722.7	0.00	722.74	2,528.32	618.79	1,986.91	1,847.61	33.23	-3.43	0.405
101.90	-29.08	-26.47	0.00	-698.3	0.00	698.30	2,516.43	614.67	1,960.55	1,826.57	33.88	-3.46	0.396
102.00	-28.80	-26.09	0.00	-694.9	0.00	694.87	2,515.11	614.21	1,957.63	1,824.24	33.95	-3.47	0.394
105.00	-28.07	-25.76	0.00	-616.6	0.00	616.60	2,474.99	600.48	1,871.07	1,754.65	36.16	-3.57	0.365
108.40	-27.20	-25.46	0.00	-529.0	0.00	529.02	2,428.64	584.91	1,775.34	1,676.75	38.74	-3.68	0.329
108.75	-27.11	-25.40	0.00	-520.1	0.00	520.11	2,423.81	583.31	1,765.62	1,668.80	39.01	-3.69	0.325
109.60	-26.71	-24.75	0.00	-498.5	0.00	498.52	2,412.05	579.42	1,742.15	1,649.52	39.67	-3.71	0.315
110.00	-22.99	-21.62	0.00	-488.6	0.00	488.62	2,406.50	577.59	1,731.16	1,640.47	39.98	-3.73	0.309
113.00	-21.99	-21.31	0.00	-423.8	0.00	423.77	1,786.92	458.92	1,366.00	1,211.99	42.35	-3.81	0.364
115.00	-21.59	-21.06	0.00	-381.2	0.00	381.15	1,768.50	451.59	1,322.75	1,180.21	43.96	-3.87	0.337
117.50	-20.93	-20.24	0.00	-328.5	0.00	328.50	1,745.02	442.44	1,269.66	1,140.75	46	-3.94	0.302
120.00	-14.70	-16.59	0.00	-277.9	0.00	277.90	1,721.02	433.28	1,217.66	1,101.60	48.08	-4.01	0.262
121.00	-14.05	-14.63	0.00	-261.3	0.00	261.32	1,711.28	429.62	1,197.16	1,086.03	48.93	-4.03	0.250
125.00	-13.34	-14.25	0.00	-202.8	0.00	202.79	1,671.50	414.97	1,116.92	1,024.32	52.34	-4.12	0.207
130.00	-12.26	-13.67	0.00	-131.6	0.00	131.56	1,619.93	396.65	1,020.53	948.55	56.71	-4.21	0.147
132.00	-7.52	-9.01	0.00	-104.2	0.00	104.21	1,598.72	389.33	983.19	918.69	58.48	-4.24	0.119
134.00	-6.97	-8.60	0.00	-86.2	0.00	86.20	1,577.19	382.00	946.55	889.12	60.26	-4.26	0.102
135.00	-6.84	-8.46	0.00	-77.6	0.00	77.60	1,566.31	378.34	928.49	874.44	61.15	-4.28	0.094
137.70	-6.37	-8.13	0.00	-54.8	0.00	54.76	1,536.50	368.45	880.59	835.17	63.57	-4.3	0.070
138.00	-5.70	-7.63	0.00	-52.3	0.00	52.32	1,533.15	367.35	875.35	830.84	63.84	-4.3	0.067
140.00	-2.75	-3.67	0.00	-37.1	0.00	37.06	1,510.64	360.03	840.79	802.17	65.65	-4.32	0.048
145.00	-2.27	-3.22	0.00	-18.7	0.00	18.71	1,446.60	341.72	757.45	728.72	70.18	-4.34	0.027
148.00	0.00	-3.03	0.00	-9.1	0.00	9.06	1,400.09	330.73	709.53	682.38	72.91	-4.35	0.013

Load Case: 0.9D + 1.0W Normal 123 mph wind with no ice 23 Iterations
Gust Response Factor: 1.10
Dead load Factor: 0.90
Wind Load Factor: 1.00

CALCULATED FORCES

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 (deg)	Ratio
0.00	-56.07	-38.29	0.00	-4,172.1	0.00	4,172.08	6,758.62	1,686.37	9,222.92	8,416.93	0	0	0.504
5.00	-54.13	-37.89	0.00	-3,980.6	0.00	3,980.65	6,657.98	1,649.74	8,826.71	8,110.05	0.07	-0.13	0.499
10.00	-52.22	-37.49	0.00	-3,791.2	0.00	3,791.20	6,555.29	1,613.12	8,439.20	7,806.21	0.28	-0.26	0.494
15.00	-50.35	-37.10	0.00	-3,603.7	0.00	3,603.74	6,450.55	1,576.49	8,060.39	7,505.59	0.63	-0.4	0.488
20.00	-48.51	-36.72	0.00	-3,418.2	0.00	3,418.22	6,343.77	1,539.87	7,690.27	7,208.36	1.12	-0.54	0.482
25.00	-46.70	-36.34	0.00	-3,234.6	0.00	3,234.63	6,234.93	1,503.25	7,328.86	6,914.68	1.75	-0.67	0.476
30.00	-44.92	-35.96	0.00	-3,052.9	0.00	3,052.93	6,124.05	1,466.62	6,976.14	6,624.72	2.54	-0.82	0.469
35.00	-43.19	-35.63	0.00	-2,873.1	0.00	2,873.13	6,011.12	1,430.00	6,632.12	6,338.64	3.47	-0.96	0.461
38.50	-42.00	-35.42	0.00	-2,748.4	0.00	2,748.45	5,930.85	1,404.36	6,396.48	6,140.79	4.21	-1.06	0.455
40.00	-41.18	-35.16	0.00	-2,695.3	0.00	2,695.32	5,896.14	1,393.37	6,296.80	6,056.62	4.56	-1.11	0.453
45.00	-38.59	-34.72	0.00	-2,519.5	0.00	2,519.53	4,028.71	1,035.84	4,639.55	4,111.86	5.8	-1.26	0.623
50.00	-37.21	-34.30	0.00	-2,346.0	0.00	2,345.96	3,959.48	1,008.37	4,396.77	3,933.24	7.19	-1.41	0.607
55.00	-35.84	-33.90	0.00	-2,174.4	0.00	2,174.44	3,888.20	980.90	4,160.52	3,756.41	8.77	-1.6	0.589
60.00	-34.50	-33.49	0.00	-2,005.0	0.00	2,004.95	3,814.88	953.43	3,930.79	3,581.54	10.54	-1.79	0.570
65.00	-33.19	-33.06	0.00	-1,837.5	0.00	1,837.53	3,739.51	925.96	3,707.59	3,408.81	12.52	-1.98	0.549
70.00	-31.93	-32.71	0.00	-1,672.2	0.00	1,672.22	3,662.08	898.49	3,490.91	3,238.38	14.69	-2.17	0.526
73.00	-31.17	-32.44	0.00	-1,574.0	0.00	1,574.04	3,614.65	882.01	3,364.03	3,137.29	16.09	-2.28	0.512
75.00	-30.40	-32.19	0.00	-1,509.2	0.00	1,509.15	3,582.61	871.03	3,280.75	3,070.41	17.07	-2.36	0.501
78.50	-29.11	-31.93	0.00	-1,396.5	0.00	1,396.49	2,803.83	721.80	2,703.37	2,392.99	18.85	-2.49	0.596
80.00	-28.74	-31.65	0.00	-1,348.6	0.00	1,348.60	2,786.75	714.93	2,652.18	2,355.62	19.64	-2.55	0.585
85.00	-27.68	-31.35	0.00	-1,190.4	0.00	1,190.37	2,728.50	692.04	2,485.09	2,231.98	22.43	-2.76	0.546
86.00	-27.39	-30.76	0.00	-1,157.8	0.00	1,157.80	2,716.60	687.46	2,452.32	2,207.43	23.01	-2.8	0.537
89.00	-26.29	-30.21	0.00	-1,065.5	0.00	1,065.52	2,680.42	673.73	2,355.33	2,134.18	24.81	-2.93	0.511
90.00	-26.05	-29.94	0.00	-1,035.3	0.00	1,035.31	2,668.19	669.15	2,323.43	2,109.89	25.43	-2.97	0.502
95.00	-25.05	-29.56	0.00	-885.6	0.00	885.60	2,605.84	646.26	2,167.21	1,989.53	28.64	-3.16	0.457
97.50	-24.15	-28.26	0.00	-808.1	0.00	808.14	2,573.90	634.81	2,091.13	1,930.05	30.32	-3.25	0.430
100.00	-23.68	-28.08	0.00	-737.5	0.00	737.48	2,541.44	623.37	2,016.42	1,871.06	32.05	-3.34	0.405
101.00	-21.79	-26.18	0.00	-709.4	0.00	709.40	2,528.32	618.79	1,986.91	1,847.61	32.75	-3.38	0.394
101.90	-21.46	-25.99	0.00	-685.4	0.00	685.40	2,516.43	614.67	1,960.55	1,826.57	33.39	-3.41	0.386
102.00	-21.25	-25.61	0.00	-682.0	0.00	682.01	2,515.11	614.21	1,957.63	1,824.24	33.47	-3.41	0.384
105.00	-20.70	-25.27	0.00	-605.2	0.00	605.20	2,474.99	600.48	1,871.07	1,754.65	35.64	-3.51	0.355
108.40	-20.04	-24.97	0.00	-519.3	0.00	519.28	2,428.64	584.91	1,775.34	1,676.75	38.18	-3.62	0.320
108.75	-19.98	-24.91	0.00	-510.5	0.00	510.54	2,423.81	583.31	1,765.62	1,668.80	38.45	-3.63	0.316
109.60	-19.69	-24.27	0.00	-489.4	0.00	489.37	2,412.05	579.42	1,742.15	1,649.52	39.1	-3.66	0.307
110.00	-16.94	-21.20	0.00	-479.7	0.00	479.66	2,406.50	577.59	1,731.16	1,640.47	39.41	-3.67	0.301
113.00	-16.18	-20.90	0.00	-416.1	0.00	416.06	1,786.92	458.92	1,366.00	1,211.99	41.74	-3.75	0.354
115.00	-15.88	-20.65	0.00	-374.3	0.00	374.26	1,768.50	451.59	1,322.75	1,180.21	43.32	-3.8	0.328
117.50	-15.39	-19.84	0.00	-322.6	0.00	322.63	1,745.02	442.44	1,269.66	1,140.75	45.33	-3.88	0.294
120.00	-10.77	-16.30	0.00	-273.0	0.00	273.04	1,721.02	433.28	1,217.66	1,101.60	47.38	-3.94	0.256
121.00	-10.31	-14.35	0.00	-256.7	0.00	256.74	1,711.28	429.62	1,197.16	1,086.03	48.21	-3.97	0.244
125.00	-9.78	-13.98	0.00	-199.3	0.00	199.34	1,671.50	414.97	1,116.92	1,024.32	51.57	-4.06	0.202
130.00	-8.97	-13.42	0.00	-129.5	0.00	129.46	1,619.93	396.65	1,020.53	948.55	55.86	-4.14	0.143
132.00	-5.49	-8.85	0.00	-102.6	0.00	102.63	1,598.72	389.33	983.19	918.69	57.6	-4.17	0.116
134.00	-5.09	-8.45	0.00	-84.9	0.00	84.93	1,577.19	382.00	946.55	889.12	59.36	-4.2	0.099
135.00	-4.99	-8.31	0.00	-76.5	0.00	76.47	1,566.31	378.34	928.49	874.44	60.24	-4.21	0.091
137.70	-4.65	-8.00	0.00	-54.0	0.00	54.03	1,536.50	368.45	880.59	835.17	62.62	-4.23	0.068
138.00	-4.15	-7.51	0.00	-51.6	0.00	51.63	1,533.15	367.35	875.35	830.84	62.89	-4.24	0.065
140.00	-2.00	-3.61	0.00	-36.6	0.00	36.62	1,510.64	360.03	840.79	802.17	64.66	-4.25	0.047
145.00	-1.65	-3.17	0.00	-18.6	0.00	18.56	1,446.60	341.72	757.45	728.72	69.12	-4.27	0.027
148.00	0.00	-3.03	0.00	-9.1	0.00	9.06	1,400.09	330.73	709.53	682.38	71.81	-4.28	0.013

Load Case: 1.2D + 1.0Di + 1.0Wi Normal		50 mph wind with 1" radial ice			22 Iterations
Gust Response Factor:	1.10	Ice Dead Load Factor	1.00		
Dead load Factor:	1.20			Ice Importance Factor	1.00
Wind Load Factor:	1.00				

CALCULATED FORCES

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 (deg)	Ratio
0.00	-98.76	-9.34	0.00	-1,025.8	0.00	1,025.85	6,758.62	1,686.37	9,222.92	8,416.93	0	0	0.137
5.00	-95.90	-9.25	0.00	-979.2	0.00	979.15	6,657.98	1,649.74	8,826.71	8,110.05	0.02	-0.03	0.135
10.00	-93.05	-9.16	0.00	-932.9	0.00	932.92	6,555.29	1,613.12	8,439.20	7,806.21	0.07	-0.06	0.134
15.00	-90.22	-9.06	0.00	-887.1	0.00	887.14	6,450.55	1,576.49	8,060.39	7,505.59	0.15	-0.1	0.132
20.00	-87.44	-8.97	0.00	-841.8	0.00	841.82	6,343.77	1,539.87	7,690.27	7,208.36	0.27	-0.13	0.131
25.00	-84.70	-8.88	0.00	-797.0	0.00	796.96	6,234.93	1,503.25	7,328.86	6,914.68	0.43	-0.17	0.129
30.00	-82.00	-8.79	0.00	-752.5	0.00	752.54	6,124.05	1,466.62	6,976.14	6,624.72	0.62	-0.2	0.127
35.00	-79.34	-8.71	0.00	-708.6	0.00	708.57	6,011.12	1,430.00	6,632.12	6,338.64	0.85	-0.24	0.125
38.50	-77.51	-8.66	0.00	-678.1	0.00	678.08	5,930.85	1,404.36	6,396.48	6,140.79	1.04	-0.26	0.124
40.00	-76.35	-8.60	0.00	-665.1	0.00	665.09	5,896.14	1,393.37	6,296.80	6,056.62	1.12	-0.27	0.123
45.00	-72.56	-8.49	0.00	-622.1	0.00	622.10	4,028.71	1,035.84	4,639.55	4,111.86	1.43	-0.31	0.169
50.00	-70.40	-8.39	0.00	-579.7	0.00	579.67	3,959.48	1,008.37	4,396.77	3,933.24	1.77	-0.35	0.165
55.00	-68.28	-8.29	0.00	-537.7	0.00	537.74	3,888.20	980.90	4,160.52	3,756.41	2.16	-0.39	0.161
60.00	-66.20	-8.19	0.00	-496.3	0.00	496.29	3,814.88	953.43	3,930.79	3,581.54	2.6	-0.44	0.156
65.00	-64.16	-8.09	0.00	-455.3	0.00	455.34	3,739.51	925.96	3,707.59	3,408.81	3.08	-0.49	0.151
70.00	-62.15	-8.00	0.00	-414.9	0.00	414.91	3,662.08	898.49	3,490.91	3,238.38	3.62	-0.54	0.145
73.00	-60.94	-7.94	0.00	-390.9	0.00	390.89	3,614.65	882.01	3,364.03	3,137.29	3.97	-0.56	0.142
75.00	-59.81	-7.88	0.00	-375.0	0.00	375.02	3,582.61	871.03	3,280.75	3,070.41	4.21	-0.58	0.139
78.50	-57.86	-7.81	0.00	-347.4	0.00	347.45	2,803.83	721.80	2,703.37	2,392.99	4.65	-0.62	0.166
80.00	-57.33	-7.75	0.00	-335.7	0.00	335.73	2,786.75	714.93	2,652.18	2,355.62	4.84	-0.63	0.163
85.00	-55.59	-7.68	0.00	-297.0	0.00	296.98	2,728.50	692.04	2,485.09	2,231.98	5.53	-0.68	0.154
86.00	-55.01	-7.55	0.00	-289.0	0.00	289.04	2,716.60	687.46	2,452.32	2,207.43	5.68	-0.69	0.151
89.00	-53.11	-7.41	0.00	-266.4	0.00	266.38	2,680.42	673.73	2,355.33	2,134.18	6.12	-0.72	0.145
90.00	-52.77	-7.35	0.00	-259.0	0.00	258.97	2,668.19	669.15	2,323.43	2,109.89	6.28	-0.73	0.143
95.00	-51.13	-7.27	0.00	-222.2	0.00	222.20	2,605.84	646.26	2,167.21	1,989.53	7.07	-0.78	0.131
97.50	-49.12	-6.99	0.00	-203.3	0.00	203.31	2,573.90	634.81	2,091.13	1,930.05	7.49	-0.81	0.125
100.00	-48.33	-6.94	0.00	-185.8	0.00	185.84	2,541.44	623.37	2,016.42	1,871.06	7.92	-0.83	0.118
101.00	-44.91	-6.51	0.00	-178.9	0.00	178.90	2,528.32	618.79	1,986.91	1,847.61	8.09	-0.84	0.115
101.90	-44.29	-6.46	0.00	-173.0	0.00	172.95	2,516.43	614.67	1,960.55	1,826.57	8.25	-0.85	0.112
102.00	-43.86	-6.38	0.00	-172.2	0.00	172.15	2,515.11	614.21	1,957.63	1,824.24	8.27	-0.85	0.112
105.00	-42.93	-6.30	0.00	-153.0	0.00	153.01	2,474.99	600.48	1,871.07	1,754.65	8.81	-0.87	0.105
108.40	-41.80	-6.23	0.00	-131.6	0.00	131.57	2,428.64	584.91	1,775.34	1,676.75	9.44	-0.9	0.096
108.75	-41.70	-6.22	0.00	-129.4	0.00	129.39	2,423.81	583.31	1,765.62	1,668.80	9.5	-0.9	0.095
109.60	-40.97	-6.08	0.00	-124.1	0.00	124.11	2,412.05	579.42	1,742.15	1,649.52	9.66	-0.91	0.092
110.00	-35.56	-5.39	0.00	-121.7	0.00	121.67	2,406.50	577.59	1,731.16	1,640.47	9.74	-0.91	0.089
113.00	-34.35	-5.32	0.00	-105.5	0.00	105.50	1,786.92	458.92	1,366.00	1,211.99	10.32	-0.93	0.106
115.00	-33.82	-5.27	0.00	-94.9	0.00	94.86	1,768.50	451.59	1,322.75	1,180.21	10.71	-0.95	0.100
117.50	-32.72	-5.09	0.00	-81.7	0.00	81.70	1,745.02	442.44	1,269.66	1,140.75	11.21	-0.96	0.091
120.00	-23.24	-3.96	0.00	-69.0	0.00	68.98	1,721.02	433.28	1,217.66	1,101.60	11.72	-0.98	0.076
121.00	-21.63	-3.57	0.00	-65.0	0.00	65.01	1,711.28	429.62	1,197.16	1,086.03	11.93	-0.99	0.073
125.00	-20.74	-3.45	0.00	-50.8	0.00	50.75	1,671.50	414.97	1,116.92	1,024.32	12.77	-1.01	0.062
130.00	-19.27	-3.31	0.00	-33.5	0.00	33.48	1,619.93	396.65	1,020.53	948.55	13.84	-1.03	0.047
132.00	-11.92	-2.25	0.00	-26.9	0.00	26.87	1,598.72	389.33	983.19	918.69	14.27	-1.04	0.037
134.00	-11.11	-2.15	0.00	-22.4	0.00	22.38	1,577.19	382.00	946.55	889.12	14.71	-1.05	0.032
135.00	-10.93	-2.11	0.00	-20.2	0.00	20.23	1,566.31	378.34	928.49	874.44	14.92	-1.05	0.030
137.70	-10.22	-2.02	0.00	-14.5	0.00	14.54	1,536.50	368.45	880.59	835.17	15.52	-1.05	0.024
138.00	-9.26	-1.89	0.00	-13.9	0.00	13.93	1,533.15	367.35	875.35	830.84	15.59	-1.06	0.023
140.00	-4.47	-0.97	0.00	-10.2	0.00	10.16	1,510.64	360.03	840.79	802.17	16.03	-1.06	0.016
145.00	-3.70	-0.85	0.00	-5.3	0.00	5.30	1,446.60	341.72	757.45	728.72	17.14	-1.07	0.010
148.00	0.00	-0.78	0.00	-2.8	0.00	2.77	1,400.09	330.73	709.53	682.38	17.81	-1.07	0.004

Load Case: 1.0D + 1.0W Service Normal 60 mph Wind with No Ice 22 Iterations
Gust Response Factor: 1.10
Dead load Factor: 1.00
Wind Load Factor: 1.00

CALCULATED FORCES

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 (deg)	Ratio
0.00	-62.35	-8.15	0.00	-892.1	0.00	892.12	6,758.62	1,686.37	9,222.92	8,416.93	0	0	0.115
5.00	-60.29	-8.07	0.00	-851.4	0.00	851.36	6,657.98	1,649.74	8,826.71	8,110.05	0.02	-0.03	0.114
10.00	-58.26	-7.99	0.00	-811.0	0.00	811.00	6,555.29	1,613.12	8,439.20	7,806.21	0.06	-0.06	0.113
15.00	-56.26	-7.91	0.00	-771.0	0.00	771.05	6,450.55	1,576.49	8,060.39	7,505.59	0.13	-0.09	0.111
20.00	-54.31	-7.83	0.00	-731.5	0.00	731.51	6,343.77	1,539.87	7,690.27	7,208.36	0.24	-0.11	0.110
25.00	-52.39	-7.75	0.00	-692.4	0.00	692.35	6,234.93	1,503.25	7,328.86	6,914.68	0.38	-0.14	0.109
30.00	-50.50	-7.67	0.00	-653.6	0.00	653.59	6,124.05	1,466.62	6,976.14	6,624.72	0.54	-0.17	0.107
35.00	-48.65	-7.60	0.00	-615.2	0.00	615.22	6,011.12	1,430.00	6,632.12	6,338.64	0.74	-0.21	0.105
38.50	-47.38	-7.56	0.00	-588.6	0.00	588.61	5,930.85	1,404.36	6,396.48	6,140.79	0.9	-0.23	0.104
40.00	-46.52	-7.51	0.00	-577.3	0.00	577.26	5,896.14	1,393.37	6,296.80	6,056.62	0.97	-0.24	0.103
45.00	-43.73	-7.42	0.00	-539.7	0.00	539.73	4,028.71	1,035.84	4,639.55	4,111.86	1.24	-0.27	0.142
50.00	-42.29	-7.33	0.00	-502.6	0.00	502.65	3,959.48	1,008.37	4,396.77	3,933.24	1.54	-0.3	0.139
55.00	-40.88	-7.25	0.00	-466.0	0.00	466.00	3,888.20	980.90	4,160.52	3,756.41	1.88	-0.34	0.135
60.00	-39.49	-7.16	0.00	-429.8	0.00	429.77	3,814.88	953.43	3,930.79	3,581.54	2.26	-0.38	0.130
65.00	-38.13	-7.07	0.00	-394.0	0.00	393.96	3,739.51	925.96	3,707.59	3,408.81	2.68	-0.42	0.126
70.00	-36.80	-7.00	0.00	-358.6	0.00	358.59	3,662.08	898.49	3,490.91	3,238.38	3.15	-0.46	0.121
73.00	-36.01	-6.95	0.00	-337.6	0.00	337.57	3,614.65	882.01	3,364.03	3,137.29	3.45	-0.49	0.118
75.00	-35.20	-6.89	0.00	-323.7	0.00	323.68	3,582.61	871.03	3,280.75	3,070.41	3.65	-0.51	0.115
78.50	-33.81	-6.84	0.00	-299.6	0.00	299.56	2,803.83	721.80	2,703.37	2,392.99	4.04	-0.53	0.137
80.00	-33.47	-6.78	0.00	-289.3	0.00	289.31	2,786.75	714.93	2,652.18	2,355.62	4.21	-0.55	0.135
85.00	-32.34	-6.72	0.00	-255.4	0.00	255.41	2,728.50	692.04	2,485.09	2,231.98	4.8	-0.59	0.126
86.00	-32.04	-6.59	0.00	-248.4	0.00	248.43	2,716.60	687.46	2,452.32	2,207.43	4.93	-0.6	0.124
89.00	-30.83	-6.48	0.00	-228.7	0.00	228.66	2,680.42	673.73	2,355.33	2,134.18	5.31	-0.63	0.119
90.00	-30.62	-6.42	0.00	-222.2	0.00	222.18	2,668.19	669.15	2,323.43	2,109.89	5.45	-0.64	0.117
95.00	-29.56	-6.34	0.00	-190.1	0.00	190.08	2,605.84	646.26	2,167.21	1,989.53	6.13	-0.68	0.107
97.50	-28.52	-6.06	0.00	-173.5	0.00	173.47	2,573.90	634.81	2,091.13	1,930.05	6.49	-0.7	0.101
100.00	-28.02	-6.02	0.00	-158.3	0.00	158.31	2,541.44	623.37	2,016.42	1,871.06	6.87	-0.72	0.096
101.00	-25.82	-5.62	0.00	-152.3	0.00	152.29	2,528.32	618.79	1,986.91	1,847.61	7.02	-0.72	0.093
101.90	-25.45	-5.58	0.00	-147.1	0.00	147.14	2,516.43	614.67	1,960.55	1,826.57	7.15	-0.73	0.091
102.00	-25.22	-5.50	0.00	-146.4	0.00	146.41	2,515.11	614.21	1,957.63	1,824.24	7.17	-0.73	0.090
105.00	-24.63	-5.42	0.00	-129.9	0.00	129.93	2,474.99	600.48	1,871.07	1,754.65	7.64	-0.75	0.084
108.40	-23.91	-5.36	0.00	-111.5	0.00	111.49	2,428.64	584.91	1,775.34	1,676.75	8.18	-0.78	0.076
108.75	-23.84	-5.35	0.00	-109.6	0.00	109.61	2,423.81	583.31	1,765.62	1,668.80	8.24	-0.78	0.076
109.60	-23.48	-5.21	0.00	-105.1	0.00	105.07	2,412.05	579.42	1,742.15	1,649.52	8.38	-0.78	0.074
110.00	-20.24	-4.55	0.00	-103.0	0.00	102.98	2,406.50	577.59	1,731.16	1,640.47	8.44	-0.79	0.071
113.00	-19.41	-4.49	0.00	-89.3	0.00	89.33	1,786.92	458.92	1,366.00	1,211.99	8.94	-0.8	0.085
115.00	-19.08	-4.44	0.00	-80.4	0.00	80.35	1,768.50	451.59	1,322.75	1,180.21	9.28	-0.82	0.079
117.50	-18.51	-4.26	0.00	-69.3	0.00	69.26	1,745.02	442.44	1,269.66	1,140.75	9.71	-0.83	0.071
120.00	-13.14	-3.50	0.00	-58.6	0.00	58.61	1,721.02	433.28	1,217.66	1,101.60	10.15	-0.85	0.061
121.00	-12.50	-3.08	0.00	-55.1	0.00	55.11	1,711.28	429.62	1,197.16	1,086.03	10.33	-0.85	0.058
125.00	-11.91	-3.00	0.00	-42.8	0.00	42.78	1,671.50	414.97	1,116.92	1,024.32	11.05	-0.87	0.049
130.00	-10.98	-2.88	0.00	-27.8	0.00	27.78	1,619.93	396.65	1,020.53	948.55	11.97	-0.89	0.036
132.00	-6.78	-1.90	0.00	-22.0	0.00	22.01	1,598.72	389.33	983.19	918.69	12.35	-0.89	0.028
134.00	-6.30	-1.81	0.00	-18.2	0.00	18.21	1,577.19	382.00	946.55	889.12	12.72	-0.9	0.024
135.00	-6.18	-1.78	0.00	-16.4	0.00	16.40	1,566.31	378.34	928.49	874.44	12.91	-0.9	0.023
137.70	-5.78	-1.72	0.00	-11.6	0.00	11.58	1,536.50	368.45	880.59	835.17	13.42	-0.91	0.018
138.00	-5.19	-1.61	0.00	-11.1	0.00	11.06	1,533.15	367.35	875.35	830.84	13.48	-0.91	0.017
140.00	-2.50	-0.78	0.00	-7.8	0.00	7.84	1,510.64	360.03	840.79	802.17	13.86	-0.91	0.011
145.00	-2.08	-0.68	0.00	-4.0	0.00	3.97	1,446.60	341.72	757.45	728.72	14.82	-0.92	0.007
148.00	0.00	-0.65	0.00	-1.9	0.00	1.93	1,400.09	330.73	709.53	682.38	15.39	-0.92	0.003

EQUIVALENT LATERAL FORCES METHOD ANALYSIS

(Based on ASCE7-16 Chapters 11, 12 and 15)

Spectral Response Acceleration for Short Period (S_S):	0.205
Spectral Response Acceleration at 1.0 Second Period (S_1):	0.054
Long-Period Transition Period (T_L – Seconds):	6
Importance Factor (I_e):	1.000
Site Coefficient $F_{a:}$	1.600
Site Coefficient F_v:	2.400
Response Modification Coefficient (R):	1.500
Design Spectral Response Acceleration at Short Period (S_{ds}):	0.219
Design Spectral Response Acceleration at 1.0 Second Period (S_{d1}):	0.086
Seismic Response Coefficient (C_s):	0.030
Upper Limit C_S:	0.030
Lower Limit C_S:	0.030
Period based on Rayleigh Method (sec):	2.250
Redundancy Factor (p):	1.000
Seismic Force Distribution Exponent (k):	1.870
Total Unfactored Dead Load:	62.350 k
Seismic Base Shear (E):	1.870 k

1.2D + 1.0Ev + 1.0Eh Normal **Seismic**

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
49	146.5	223	2,543	0.009	16	278
48	142.5	396	4,286	0.015	27	493
47	139	180	1,857	0.006	12	224
46	137.85	27	277	0.001	2	34
45	136.35	248	2,469	0.008	16	308
44	134.5	116	1,125	0.004	7	144
43	133	234	2,223	0.008	14	291
42	131	286	2,641	0.009	17	356
41	127.5	727	6,386	0.022	41	904
40	123	594	4,881	0.017	31	739
39	120.5	150	1,188	0.004	8	187
38	118.75	405	3,114	0.011	20	504
37	116.25	410	3,025	0.010	19	509
36	114	331	2,356	0.008	15	411
35	111.5	834	5,695	0.020	37	1,037
34	109.8	113	751	0.003	5	141
33	109.175	241	1,585	0.005	10	300
32	108.575	67	439	0.002	3	84
31	106.7	661	4,159	0.014	27	822
30	103.5	592	3,517	0.012	23	736
29	101.95	20	115	0.000	1	25
28	101.45	179	1,026	0.004	7	223
27	100.5	200	1,124	0.004	7	249
26	98.75	504	2,741	0.009	18	626
25	96.25	519	2,693	0.009	17	646
24	92.5	1,055	5,080	0.017	33	1,312
23	89.5	214	967	0.003	6	266
22	87.5	646	2,804	0.010	18	804
21	85.5	222	923	0.003	6	276
20	82.5	1,124	4,368	0.015	28	1,398
19	79.25	342	1,231	0.004	8	425
18	76.75	1,389	4,716	0.016	30	1,728
17	74	805	2,551	0.009	16	1,001
16	71.5	783	2,329	0.008	15	974

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
15	67.5	1,327	3,542	0.012	23	1,651
14	62.5	1,354	3,128	0.011	20	1,684
13	57.5	1,380	2,728	0.009	17	1,717
12	52.5	1,407	2,345	0.008	15	1,750
11	47.5	1,434	1,981	0.007	13	1,783
10	42.5	2,793	3,134	0.011	20	3,474
9	39.25	850	822	0.003	5	1,057
8	36.75	1,272	1,087	0.004	7	1,582
7	32.5	1,847	1,254	0.004	8	2,297
6	27.5	1,882	935	0.003	6	2,341
5	22.5	1,918	654	0.002	4	2,385
4	17.5	1,953	416	0.001	3	2,429
3	12.5	1,989	225	0.001	1	2,474
2	7.5	2,024	88	0.000	1	2,518
1	2.5	2,060	11	0.000	0	2,562
Generic 18' Dipole	148	55	639	0.002	4	68
Generic 10' Dipole	148	30	348	0.001	2	37
Generic 11' Omni	148	40	464	0.002	3	50
Generic 48" x 8" Panel	148	240	2,787	0.010	18	298
Flat Low Profile Platform	148	1,500	17,419	0.060	112	1,866
Flat Low Profile Platform	140	1,500	15,697	0.054	101	1,866
RFS DB-C1-12C-24AB-0Z	145	32	358	0.001	2	40
Commscope CBC78T-DS-43-2X	140	62	650	0.002	4	77
Samsung Outdoor CBRS 20W RRH –Clip-on Antenna	140	13	138	0.000	1	16
Samsung B2/B66A RRH-BR049	140	253	2,650	0.009	17	315
Samsung B5/B13 RRH-BR04C	140	211	2,207	0.008	14	262
Commscope LNX-6514DS-A1M	140	39	406	0.001	3	48
Andrew LNX-8513DS-A1M	140	78	820	0.003	5	98
Commscope JAHH-65B-R3B	140	364	3,805	0.013	24	452
Collar	138	560	5,704	0.020	37	696
Collar	89	560	2,509	0.009	16	696
Ericsson RRUS 32 B30 (53 lbs)	137.7	159	1,613	0.006	10	198
Ericsson Air 6449 B77D	134	245	2,360	0.008	15	304
Raycap DC6-48-60-18-8F ("Squid")	132	32	298	0.001	2	40
Ericsson RRUS 8843 B2, B66A	132	216	2,024	0.007	13	269
Ericsson RRUS 4449 B5, B12	132	213	1,996	0.007	13	265
Ericsson RRUS 4478 B14	132	178	1,670	0.006	11	222
Raycap DC9-48-60-24-8C-EV	132	32	300	0.001	2	40
Generic Mount Reinforcement	132	200	1,875	0.006	12	249
Kathrein Scala 80010964	132	251	2,356	0.008	15	313
CCI DMP65R-BU6E	132	311	2,919	0.010	19	387
Generic Flat Platform with Handrails	132	2,500	23,431	0.080	150	3,109
Generic Flat Platform with Handrails	110	2,500	16,653	0.057	107	3,109
Ericsson AIR 6419 B77G	130	198	1,806	0.006	12	247
RFS APXVAALL24 43-U-NA20	121	491	3,911	0.013	25	611
Ericsson Radio 4460 B25+B66	120	436	3,418	0.012	22	542
Ericsson Radio 4480 B71+B85A	120	336	2,634	0.009	17	418
Ericsson Air6449 B41	120	416	3,262	0.011	21	517
Generic Square Platform with Handrails	120	3,790	29,715	0.102	190	4,714
RFS APX16DWV-16DWVS-E-A20	117.5	163	1,227	0.004	8	202
Commscope RDIDC-9181-PF-48	110	22	146	0.000	1	27
Fujitsu TA08025-B604	110	192	1,277	0.004	8	238
Fujitsu TA08025-B605	110	225	1,499	0.005	10	280
JMA Wireless MX08FRO665-21	110	194	1,289	0.004	8	241
Generic 56" x 14" Panel	109.6	120	794	0.003	5	149
Generic 6.7" x 10.7" TTA	108.4	59	385	0.001	2	74
Alcatel-Lucent TD-RRH8x20-25 w/ Solar Shield	102	210	1,214	0.004	8	261
Alcatel-Lucent 800 MHz 2X50W RRH w/ Filter	101.9	192	1,108	0.004	7	239
Flat Platform w/ Handrails	101	2,000	11,354	0.039	73	2,487
Alcatel-Lucent 1900 MHz 4X45 RRH	97.5	180	957	0.003	6	224
RFS APXV9TM14-ALU-I20	97.5	165	878	0.003	6	206
RFS APXVSPP18-C-A20	97.5	171	909	0.003	6	213
RFS APXV18-206517S-C	86	79	333	0.001	2	99
Generic GPS	73	10	31	0.000	0	12
		62,352	291,778	1.000	1,871	77,549

0.9D - 1.0Ev + 1.0Eh Normal **Seismic (Reduced DL)**

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
49	146.5	223	2,543	0.009	16	191
48	142.5	396	4,286	0.015	27	339
47	139	180	1,857	0.006	12	154
46	137.85	27	277	0.001	2	23
45	136.35	248	2,469	0.008	16	212
44	134.5	116	1,125	0.004	7	99
43	133	234	2,223	0.008	14	200
42	131	286	2,641	0.009	17	245
41	127.5	727	6,386	0.022	41	623
40	123	594	4,881	0.017	31	509
39	120.5	150	1,188	0.004	8	129
38	118.75	405	3,114	0.011	20	347
37	116.25	410	3,025	0.010	19	351
36	114	331	2,356	0.008	15	283
35	111.5	834	5,695	0.020	37	714
34	109.8	113	751	0.003	5	97
33	109.175	241	1,585	0.005	10	207
32	108.575	67	439	0.002	3	58
31	106.7	661	4,159	0.014	27	566
30	103.5	592	3,517	0.012	23	507
29	101.95	20	115	0.000	1	17
28	101.45	179	1,026	0.004	7	153
27	100.5	200	1,124	0.004	7	171
26	98.75	504	2,741	0.009	18	431
25	96.25	519	2,693	0.009	17	445
24	92.5	1,055	5,080	0.017	33	903
23	89.5	214	967	0.003	6	183
22	87.5	646	2,804	0.010	18	553
21	85.5	222	923	0.003	6	190
20	82.5	1,124	4,368	0.015	28	962
19	79.25	342	1,231	0.004	8	292
18	76.75	1,389	4,716	0.016	30	1,190
17	74	805	2,551	0.009	16	689
16	71.5	783	2,329	0.008	15	671
15	67.5	1,327	3,542	0.012	23	1,136
14	62.5	1,354	3,128	0.011	20	1,159
13	57.5	1,380	2,728	0.009	17	1,182
12	52.5	1,407	2,345	0.008	15	1,205
11	47.5	1,434	1,981	0.007	13	1,228
10	42.5	2,793	3,134	0.011	20	2,392
9	39.25	850	822	0.003	5	728
8	36.75	1,272	1,087	0.004	7	1,089
7	32.5	1,847	1,254	0.004	8	1,581
6	27.5	1,882	935	0.003	6	1,612
5	22.5	1,918	654	0.002	4	1,642
4	17.5	1,953	416	0.001	3	1,673
3	12.5	1,989	225	0.001	1	1,703
2	7.5	2,024	88	0.000	1	1,733
1	2.5	2,060	11	0.000	0	1,764
Generic 18' Dipole	148	55	639	0.002	4	47
Generic 10' Dipole	148	30	348	0.001	2	26
Generic 11' Omni	148	40	464	0.002	3	34
Generic 48" x 8" Panel	148	240	2,787	0.010	18	206
Flat Low Profile Platform	148	1,500	17,419	0.060	112	1,284
Flat Low Profile Platform	140	1,500	15,697	0.054	101	1,284
RFS DB-C1-12C-24AB-0Z	145	32	358	0.001	2	27
Commscope CBC78T-DS-43-2X	140	62	650	0.002	4	53
Samsung Outdoor CBRS 20W RRH –Clip-on Antenna	140	13	138	0.000	1	11
Samsung B2/B66A RRH-BR049	140	253	2,650	0.009	17	217
Samsung B5/B13 RRH-BR04C	140	211	2,207	0.008	14	181
Commscope LNX-6514DS-A1M	140	39	406	0.001	3	33
Andrew LNX-8513DS-A1M	140	78	820	0.003	5	67
Commscope JAHH-65B-R3B	140	364	3,805	0.013	24	311
Collar	138	560	5,704	0.020	37	480
Collar	89	560	2,509	0.009	16	480
Ericsson RRUS 32 B30 (53 lbs)	137.7	159	1,613	0.006	10	136

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
Ericsson Air 6449 B77D	134	245	2,360	0.008	15	210
Raycap DC6-48-60-18-8F ("Squid")	132	32	298	0.001	2	27
Ericsson RRUS 8843 B2, B66A	132	216	2,024	0.007	13	185
Ericsson RRUS 4449 B5, B12	132	213	1,996	0.007	13	182
Ericsson RRUS 4478 B14	132	178	1,670	0.006	11	153
Raycap DC9-48-60-24-8C-EV	132	32	300	0.001	2	27
Generic Mount Reinforcement	132	200	1,875	0.006	12	171
Kathrein Scala 80010964	132	251	2,356	0.008	15	215
CCI DMP65R-BU6E	132	311	2,919	0.010	19	267
Generic Flat Platform with Handrails	132	2,500	23,431	0.080	150	2,141
Generic Flat Platform with Handrails	110	2,500	16,653	0.057	107	2,141
Ericsson AIR 6419 B77G	130	198	1,806	0.006	12	170
RFS APXVAALL24 43-U-NA20	121	491	3,911	0.013	25	421
Ericsson Radio 4460 B25+B66	120	436	3,418	0.012	22	373
Ericsson Radio 4480 B71+B85A	120	336	2,634	0.009	17	288
Ericsson Air6449 B41	120	416	3,262	0.011	21	356
Generic Square Platform with Handrails	120	3,790	29,715	0.102	190	3,245
RFS APX16DWV-16DWVS-E-A20	117.5	163	1,227	0.004	8	139
Commscope RDIDC-9181-PF-48	110	22	146	0.000	1	19
Fujitsu TA08025-B604	110	192	1,277	0.004	8	164
Fujitsu TA08025-B605	110	225	1,499	0.005	10	193
JMA Wireless MX08FRO665-21	110	194	1,289	0.004	8	166
Generic 56" x 14" Panel	109.6	120	794	0.003	5	103
Generic 6.7" x 10.7" TTA	108.4	59	385	0.001	2	51
Alcatel-Lucent TD-RRH8x20-25 w/ Solar Shield	102	210	1,214	0.004	8	180
Alcatel-Lucent 800 MHz 2X50W RRH w/ Filter	101.9	192	1,108	0.004	7	164
Flat Platform w/ Handrails	101	2,000	11,354	0.039	73	1,713
Alcatel-Lucent 1900 MHz 4X45 RRH	97.5	180	957	0.003	6	154
RFS APXV9TM14-ALU-I20	97.5	165	878	0.003	6	142
RFS APXVSPP18-C-A20	97.5	171	909	0.003	6	146
RFS APXV18-206517S-C	86	79	333	0.001	2	68
Generic GPS	73	10	31	0.000	0	9
		62,352	291,778	1.000	1,871	53,390

1.2D + 1.0Ev + 1.0Eh Normal **Seismic**

CALCULATED FORCES

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (fr-kips)	Mu Mx (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (kips)	Phi Mn (kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-74.99	-1.87	0.00	-223.76	0.00	223.76	6,758.62	1,686.37	9,223	8,416.93	0.00	0.00	0.04
5.00	-72.47	-1.88	0.00	-214.39	0.00	214.39	6,657.98	1,649.74	8,827	8,110.05	0.00	-0.01	0.04
10.00	-69.99	-1.89	0.00	-204.99	0.00	204.99	6,555.29	1,613.12	8,439	7,806.21	0.01	-0.01	0.04
15.00	-67.57	-1.89	0.00	-195.54	0.00	195.54	6,450.55	1,576.49	8,060	7,505.59	0.03	-0.02	0.04
20.00	-65.18	-1.90	0.00	-186.08	0.00	186.08	6,343.77	1,539.87	7,690	7,208.36	0.06	-0.03	0.04
25.00	-62.84	-1.90	0.00	-176.59	0.00	176.59	6,234.93	1,503.25	7,329	6,914.68	0.09	-0.04	0.04
30.00	-60.54	-1.90	0.00	-167.10	0.00	167.10	6,124.05	1,466.62	6,976	6,624.72	0.14	-0.04	0.04
35.00	-58.96	-1.90	0.00	-157.62	0.00	157.62	6,011.12	1,430.00	6,632	6,338.64	0.19	-0.05	0.04
38.50	-57.90	-1.89	0.00	-150.98	0.00	150.98	5,930.85	1,404.36	6,396	6,140.79	0.23	-0.06	0.03
40.00	-54.43	-1.87	0.00	-148.15	0.00	148.15	5,896.14	1,393.37	6,297	6,056.62	0.25	-0.06	0.03
45.00	-52.64	-1.87	0.00	-138.77	0.00	138.77	4,028.71	1,035.84	4,640	4,111.86	0.31	-0.07	0.05
50.00	-50.89	-1.86	0.00	-129.44	0.00	129.44	3,959.48	1,008.37	4,397	3,933.24	0.39	-0.08	0.05
55.00	-49.18	-1.85	0.00	-120.14	0.00	120.14	3,888.20	980.90	4,161	3,756.41	0.48	-0.09	0.05
60.00	-47.49	-1.83	0.00	-110.91	0.00	110.91	3,814.88	953.43	3,931	3,581.54	0.57	-0.10	0.04
65.00	-45.84	-1.82	0.00	-101.74	0.00	101.74	3,739.51	925.96	3,708	3,408.81	0.68	-0.11	0.04
70.00	-44.87	-1.81	0.00	-92.66	0.00	92.66	3,662.08	898.49	3,491	3,238.38	0.80	-0.12	0.04
73.00	-43.85	-1.79	0.00	-87.24	0.00	87.24	3,614.65	882.01	3,364	3,137.29	0.88	-0.13	0.04
75.00	-42.13	-1.76	0.00	-83.65	0.00	83.65	3,582.61	871.03	3,281	3,070.41	0.93	-0.13	0.04
78.50	-41.70	-1.76	0.00	-77.49	0.00	77.49	2,803.83	721.80	2,703	2,392.99	1.03	-0.14	0.05
80.00	-40.30	-1.73	0.00	-74.85	0.00	74.85	2,786.75	714.93	2,652	2,355.62	1.07	-0.14	0.05
85.00	-40.03	-1.73	0.00	-66.20	0.00	66.20	2,728.50	692.04	2,485	2,231.98	1.23	-0.15	0.04
86.00	-39.12	-1.71	0.00	-64.47	0.00	64.47	2,716.60	687.46	2,452	2,207.43	1.26	-0.15	0.04
89.00	-38.16	-1.69	0.00	-59.34	0.00	59.34	2,680.42	673.73	2,355	2,134.18	1.36	-0.16	0.04
90.00	-36.85	-1.66	0.00	-57.66	0.00	57.66	2,668.19	669.15	2,323	2,109.89	1.39	-0.16	0.04
95.00	-36.20	-1.64	0.00	-49.38	0.00	49.38	2,605.84	646.26	2,167	1,989.53	1.57	-0.17	0.04

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (fr-kips)	Mu Mx (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (kips)	Phi Mn (kips)	Total Deflect (in)	Rotation (deg)	Ratio
97.50	-34.94	-1.61	0.00	-45.27	0.00	45.27	2,573.90	634.81	2,091	1,930.05	1.66	-0.18	0.04
100.00	-34.69	-1.60	0.00	-41.26	0.00	41.26	2,541.44	623.37	2,016	1,871.06	1.76	-0.18	0.04
101.00	-31.98	-1.51	0.00	-39.66	0.00	39.66	2,528.32	618.79	1,987	1,847.61	1.79	-0.19	0.03
101.90	-31.71	-1.50	0.00	-38.30	0.00	38.30	2,516.43	614.67	1,961	1,826.57	1.83	-0.19	0.03
102.00	-30.72	-1.47	0.00	-38.15	0.00	38.15	2,515.11	614.21	1,958	1,824.24	1.83	-0.19	0.03
105.00	-29.89	-1.45	0.00	-33.73	0.00	33.73	2,474.99	600.48	1,871	1,754.65	1.95	-0.19	0.03
108.40	-29.74	-1.44	0.00	-28.81	0.00	28.81	2,428.64	584.91	1,775	1,676.75	2.09	-0.20	0.03
108.75	-29.44	-1.43	0.00	-28.31	0.00	28.31	2,423.81	583.31	1,766	1,668.80	2.11	-0.20	0.03
109.60	-29.15	-1.42	0.00	-27.09	0.00	27.09	2,412.05	579.42	1,742	1,649.52	2.14	-0.20	0.03
110.00	-24.21	-1.23	0.00	-26.52	0.00	26.52	2,406.50	577.59	1,731	1,640.47	2.16	-0.20	0.03
113.00	-23.80	-1.22	0.00	-22.82	0.00	22.82	1,786.92	458.92	1,366	1,211.99	2.29	-0.21	0.03
115.00	-23.29	-1.20	0.00	-20.38	0.00	20.38	1,768.50	451.59	1,323	1,180.21	2.38	-0.21	0.03
117.50	-22.59	-1.17	0.00	-17.38	0.00	17.38	1,745.02	442.44	1,270	1,140.75	2.49	-0.21	0.03
120.00	-16.21	-0.89	0.00	-14.45	0.00	14.45	1,721.02	433.28	1,218	1,101.60	2.60	-0.22	0.02
121.00	-14.86	-0.83	0.00	-13.56	0.00	13.56	1,711.28	429.62	1,197	1,086.03	2.65	-0.22	0.02
125.00	-13.96	-0.79	0.00	-10.24	0.00	10.24	1,671.50	414.97	1,117	1,024.32	2.83	-0.22	0.02
130.00	-13.35	-0.76	0.00	-6.31	0.00	6.31	1,619.93	396.65	1,021	948.55	3.07	-0.23	0.02
132.00	-8.17	-0.48	0.00	-4.80	0.00	4.80	1,598.72	389.33	983	918.69	3.16	-0.23	0.01
134.00	-7.72	-0.46	0.00	-3.83	0.00	3.83	1,577.19	382.00	947	889.12	3.26	-0.23	0.01
135.00	-7.41	-0.44	0.00	-3.37	0.00	3.37	1,566.31	378.34	928	874.44	3.31	-0.23	0.01
137.70	-7.18	-0.43	0.00	-2.17	0.00	2.17	1,536.50	368.45	881	835.17	3.44	-0.23	0.01
138.00	-6.26	-0.38	0.00	-2.04	0.00	2.04	1,533.15	367.35	875	830.84	3.45	-0.23	0.01
140.00	-2.64	-0.17	0.00	-1.28	0.00	1.28	1,510.64	360.03	841	802.17	3.55	-0.23	0.00
145.00	-2.32	-0.15	0.00	-0.44	0.00	0.44	1,446.60	341.72	757	728.72	3.79	-0.23	0.00
148.00	0.00	-0.14	0.00	0.00	0.00	0.00	1,400.09	330.73	710	682.38	3.94	-0.23	0.00

0.9D - 1.0Ev + 1.0Eh Normal **Seismic (Reduced DL)**

CALCULATED FORCES

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (fr-kips)	Mu Mx (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (kips)	Phi Mn (kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-51.63	-1.87	0.00	-220.67	0.00	220.67	6,758.62	1,686.37	9,223	8,416.93	0.00	0.00	0.03
5.00	-49.89	-1.88	0.00	-211.31	0.00	211.31	6,657.98	1,649.74	8,827	8,110.05	0.00	-0.01	0.03
10.00	-48.19	-1.88	0.00	-201.92	0.00	201.92	6,555.29	1,613.12	8,439	7,806.21	0.01	-0.01	0.03
15.00	-46.52	-1.88	0.00	-192.52	0.00	192.52	6,450.55	1,576.49	8,060	7,505.59	0.03	-0.02	0.03
20.00	-44.87	-1.89	0.00	-183.09	0.00	183.09	6,343.77	1,539.87	7,690	7,208.36	0.06	-0.03	0.03
25.00	-43.26	-1.88	0.00	-173.67	0.00	173.67	6,234.93	1,503.25	7,329	6,914.68	0.09	-0.04	0.03
30.00	-41.68	-1.88	0.00	-164.25	0.00	164.25	6,124.05	1,466.62	6,976	6,624.72	0.14	-0.04	0.03
35.00	-40.59	-1.88	0.00	-154.85	0.00	154.85	6,011.12	1,430.00	6,632	6,338.64	0.18	-0.05	0.03
38.50	-39.86	-1.87	0.00	-148.28	0.00	148.28	5,930.85	1,404.36	6,396	6,140.79	0.22	-0.06	0.03
40.00	-37.47	-1.85	0.00	-145.47	0.00	145.47	5,896.14	1,393.37	6,297	6,056.62	0.24	-0.06	0.03
45.00	-36.24	-1.85	0.00	-136.19	0.00	136.19	4,028.71	1,035.84	4,640	4,111.86	0.31	-0.07	0.04
50.00	-35.04	-1.84	0.00	-126.96	0.00	126.96	3,959.48	1,008.37	4,397	3,933.24	0.38	-0.08	0.04
55.00	-33.86	-1.82	0.00	-117.79	0.00	117.79	3,888.20	980.90	4,161	3,756.41	0.47	-0.09	0.04
60.00	-32.70	-1.81	0.00	-108.68	0.00	108.68	3,814.88	953.43	3,931	3,581.54	0.56	-0.10	0.04
65.00	-31.56	-1.79	0.00	-99.65	0.00	99.65	3,739.51	925.96	3,708	3,408.81	0.67	-0.11	0.04
70.00	-30.89	-1.78	0.00	-90.71	0.00	90.71	3,662.08	898.49	3,491	3,238.38	0.79	-0.12	0.04
73.00	-30.19	-1.76	0.00	-85.38	0.00	85.38	3,614.65	882.01	3,364	3,137.29	0.86	-0.12	0.04
75.00	-29.00	-1.73	0.00	-81.86	0.00	81.86	3,582.61	871.03	3,281	3,070.41	0.92	-0.13	0.04
78.50	-28.71	-1.72	0.00	-75.81	0.00	75.81	2,803.83	721.80	2,703	2,392.99	1.01	-0.13	0.04
80.00	-27.75	-1.70	0.00	-73.22	0.00	73.22	2,786.75	714.93	2,652	2,355.62	1.05	-0.14	0.04
85.00	-27.56	-1.69	0.00	-64.73	0.00	64.73	2,728.50	692.04	2,485	2,231.98	1.20	-0.15	0.04
86.00	-26.93	-1.67	0.00	-63.04	0.00	63.04	2,716.60	687.46	2,452	2,207.43	1.24	-0.15	0.04
89.00	-26.27	-1.65	0.00	-58.02	0.00	58.02	2,680.42	673.73	2,355	2,134.18	1.33	-0.16	0.04
90.00	-25.37	-1.62	0.00	-56.36	0.00	56.36	2,668.19	669.15	2,323	2,109.89	1.37	-0.16	0.04
95.00	-24.92	-1.61	0.00	-48.26	0.00	48.26	2,605.84	646.26	2,167	1,989.53	1.54	-0.17	0.03
97.50	-24.05	-1.57	0.00	-44.25	0.00	44.25	2,573.90	634.81	2,091	1,930.05	1.63	-0.18	0.03
100.00	-23.88	-1.56	0.00	-40.32	0.00	40.32	2,541.44	623.37	2,016	1,871.06	1.72	-0.18	0.03
101.00	-22.01	-1.48	0.00	-38.76	0.00	38.76	2,528.32	618.79	1,987	1,847.61	1.76	-0.18	0.03
101.90	-21.83	-1.47	0.00	-37.43	0.00	37.43	2,516.43	614.67	1,961	1,826.57	1.80	-0.18	0.03
102.00	-21.15	-1.44	0.00	-37.28	0.00	37.28	2,515.11	614.21	1,958	1,824.24	1.80	-0.18	0.03
105.00	-20.58	-1.41	0.00	-32.96	0.00	32.96	2,474.99	600.48	1,871	1,754.65	1.92	-0.19	0.03
108.40	-20.47	-1.41	0.00	-28.16	0.00	28.16	2,428.64	584.91	1,775	1,676.75	2.06	-0.20	0.03
108.75	-20.26	-1.40	0.00	-27.67	0.00	27.67	2,423.81	583.31	1,766	1,668.80	2.07	-0.20	0.03
109.60	-20.06	-1.39	0.00	-26.48	0.00	26.48	2,412.05	579.42	1,742	1,649.52	2.11	-0.20	0.02
110.00	-16.67	-1.21	0.00	-25.92	0.00	25.92	2,406.50	577.59	1,731	1,640.47	2.12	-0.20	0.02
113.00	-16.39	-1.19	0.00	-22.30	0.00	22.30	1,786.92	458.92	1,366	1,211.99	2.25	-0.20	0.03
115.00	-16.04	-1.17	0.00	-19.92	0.00	19.92	1,768.50	451.59	1,323	1,180.21	2.33	-0.21	0.03

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (fr-kips)	Mu Mx (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (kips)	Phi Mn (kips)	Total Deflect (in)	Rotation (deg)	Ratio
117.50	-15.55	-1.14	0.00	-16.99	0.00	16.99	1,745.02	442.44	1,270	1,140.75	2.44	-0.21	0.02
120.00	-11.16	-0.87	0.00	-14.13	0.00	14.13	1,721.02	433.28	1,218	1,101.60	2.55	-0.21	0.02
121.00	-10.23	-0.81	0.00	-13.26	0.00	13.26	1,711.28	429.62	1,197	1,086.03	2.60	-0.21	0.02
125.00	-9.61	-0.77	0.00	-10.02	0.00	10.02	1,671.50	414.97	1,117	1,024.32	2.78	-0.22	0.02
130.00	-9.19	-0.74	0.00	-6.18	0.00	6.18	1,619.93	396.65	1,021	948.55	3.01	-0.22	0.01
132.00	-5.62	-0.47	0.00	-4.70	0.00	4.70	1,598.72	389.33	983	918.69	3.10	-0.22	0.01
134.00	-5.32	-0.45	0.00	-3.75	0.00	3.75	1,577.19	382.00	947	889.12	3.20	-0.23	0.01
135.00	-5.10	-0.43	0.00	-3.30	0.00	3.30	1,566.31	378.34	928	874.44	3.25	-0.23	0.01
137.70	-4.94	-0.42	0.00	-2.13	0.00	2.13	1,536.50	368.45	881	835.17	3.37	-0.23	0.01
138.00	-4.31	-0.37	0.00	-2.00	0.00	2.00	1,533.15	367.35	875	830.84	3.39	-0.23	0.01
140.00	-1.81	-0.16	0.00	-1.26	0.00	1.26	1,510.64	360.03	841	802.17	3.48	-0.23	0.00
145.00	-1.60	-0.15	0.00	-0.44	0.00	0.44	1,446.60	341.72	757	728.72	3.72	-0.23	0.00
148.00	0.00	-0.14	0.00	0.00	0.00	0.00	1,400.09	330.73	710	682.38	3.87	-0.23	0.00

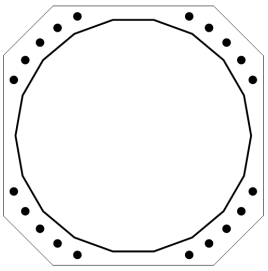
ANALYSIS SUMMARY

	Reactions						Max Usage	
Load Case	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)	Elev (ft)	Interaction Ratio
1.2D + 1.0W Normal	38.31	0.00	74.78	0.00	0.00	4218.18	45.00	0.64
0.9D + 1.0W Normal	38.29	0.00	56.07	0.00	0.00	4172.08	45.00	0.62
1.2D + 1.0Di + 1.0Wi Normal	9.34	0.00	98.76	0.00	0.00	1025.85	45.00	0.17
1.2D + 1.0Ev + 1.0Eh Normal	1.90	0.00	74.99	0.00	0.00	223.76	78.50	0.05
0.9D - 1.0Ev + 1.0Eh Normal	1.89	0.00	51.63	0.00	0.00	220.67	45.00	0.04
1.0D + 1.0W Service Normal	8.15	0.00	62.35	0.00	0.00	892.12	45.00	0.14

BASE PLATE ANALYSIS @ 0 FT

PLATE PARAMETERS (ID# 9065)

Width:	68	in
Shape:	Square	
Thickness:	3.25	in
Grade:	A572-50	
Yield Strength:	50	ksi
Tensile Strength:	65	ksi
Clip Length:	13	in
Rod Detail Type:	d	
Clear Distance	3	in
Base Weld Size:	0.125	in
Orientation Offset:	-	°
Analysis Type:	Plastic	
Neutral Axis:	224	°



ANCHOR ROD PARAMETERS

Class	Arrangement	Quantity	Diameter (in)	Circle (in)	Grade	Fy (ksi)	Fu (ksi)	Spacing (in)	Offset (°)
Original [ID# 3287]	Cluster	20	2.25	69	A615-75	75	100	6	-

ANCHOR ROD GEOMETRY AND APPLIED LOADS --- ORIGINAL (20) 2.25"ø [ID 3287]

Position	Radians	X (in)	Y (in)	Moment Arm (in)	Inertia (in^4)	Axial Load (k)	Shear Load (k)
1	0.438	31.25	14.62	10.766	377.260	136.86	3.07
2	0.611	28.25	19.81	5.171	87.692	136.86	3.21
3	0.785	24.40	24.40	-0.579	1.929	-121.90	3.25
4	0.959	19.81	28.25	-6.312	130.243	-121.90	3.19
5	1.133	14.62	31.25	-11.855	457.266	-121.90	3.04
6	2.008	-14.62	31.25	-31.393	3201.456	-121.90	1.05
7	2.182	-19.81	28.25	-32.782	3491.025	-121.90	0.51
8	2.356	-24.40	24.40	-33.182	3576.788	-121.90	0.06
9	2.530	-28.25	19.81	-32.582	3448.473	-121.90	0.62
10	2.704	-31.25	14.62	-30.998	3121.449	-121.90	1.16
11	3.579	-31.25	-14.62	-10.766	377.260	-121.90	3.07
12	3.753	-28.25	-19.81	-5.171	87.692	-121.90	3.21
13	3.927	-24.40	-24.40	0.579	1.929	136.86	3.25
14	4.101	-19.81	-28.25	6.312	130.243	136.86	3.19
15	4.275	-14.62	-31.25	11.855	457.267	136.86	3.04
16	5.150	14.62	-31.25	31.393	3201.457	136.86	1.05
17	5.324	19.81	-28.25	32.782	3491.025	136.86	0.51
18	5.498	24.40	-24.40	33.182	3576.788	136.86	0.06
19	5.672	28.25	-19.81	32.582	3448.474	136.86	0.62
20	5.846	31.25	-14.62	30.998	3121.451	136.86	1.16

REACTION DISTRIBUTION

Component	ID	Moment Mu (k-ft)	Axial Load Pu (k)	Shear Vu (k)	Moment Factor
Pole	61.0499"ø x 0.5" (18 Sides)	4218.2	74.78	38.31	1.000
Bolt Group	Original (20) 2.25"ø	4218.2	-	38.31	1.000
	TOTALS	**4218.18**	**74.78**	**38.31**	

COMPONENT PROPERTIES

Component	ID	Gross Area (in^2)	Net Area (in^2)	Individual Inertia (in^4)	Moment of Inertia (in^4)	Threads/in
Pole	61.0499"ø x 0.5" (18 Sides)	94.6294	-	-	43375.28	-
Bolt Group	Original (20) 2.25"ø	3.9761	3.2477	0.8393	35787.17	4.5

EXTERNAL BASE PLATE BEND LINE ANALYSIS @ 0 FT

POLE PROPERTIES

Flat-to-Flat Diameter:	61.18	in
Point-to-Point Diameter:	62.12	in
Flat Width:	10.787	in
Flat Radians:	0.349	rad

PLATE PROPERTIES

Neutral Axis:	224	°
Bend Line Lower Limit:		rad
Bend Line Upper Limit:	-0.131	rad

Bend Line	Chord Length (in)	Additional Length (in)	Section Modulus (in^3)	Applied Moment Mu (k-in)	Moment Capacity ϕMn (k-in)	Ratio
Flat	34.992	0.00	92.400	1229.0	4158.0	0.296
Corner	34.048	0.00	89.908	880.3	4045.8	0.218

PLASTIC ANCHOR ROD ANALYSIS

Class	Group Quantity	Rod Diameter (in)	Applied Axial Load Pu (k)	Applied Shear Load Vu (k)	Compressive Capacity ϕPn (k)	Ratio
Original	20	2.25	136.9	3.2	243.6	0.589

AMERICAN TOWER®
CORPORATION

This report was prepared for American Tower Corporation by

ENGINEERED
TOWER SOLUTIONS

Antenna Mount Analysis Report

ATC Site Name	:	**Madison CT 6**
ATC Site Number	:	**302540**
Engineering Number	:	**13757740_C8_01**
Mount Elevation	:	**132 ft**
Carrier	:	**AT&T MOBILITY**
Carrier Site Name	:	**MRCTB055969**
Carrier Site Number	:	**CT2178**
Site Location	:	**Old Route 79** **Madison, CT 06443** **41.28553898, -72.60133003**
County	:	**New Haven**
Date	:	**March 21, 2022**
Max Usage	:	**70%**
Result	:	**Contingent Pass**

Prepared By:
Gabriella Tucker, EI
Structural Engineer I

Reviewed By:
Frederic Bost, PE
Chief Technical Officer

STATE OF CONNECTICUT
FREDERIC BOST
PEN.0029529
LICENSED PROFESSIONAL ENGINEER

3/21/22

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Table of Contents

Introduction

The purpose of this report is to summarize results of the antenna mount analysis performed for AT&T Mobility at 132 ft.

Supporting Documents

RFDS	RFDS dated February 10, 2022
Photos	Site photos from 2022

Analysis

This antenna mount was analyzed using RISA-3D v17.0.4 analysis software.

Basic Wind Speed:	123 mph (3-Second Gust, V_{ult})
Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ 1" radial ice concurrent
Codes:	ANI/TIA-222-H
Structure Class:	II
Exposure Category:	B
Topographic Procedure:	Method 2
Topographic Feature:	Flat
Crest Height:	0 ft
Crest Length:	0 ft
Spectral Response:	Ss = 0.205, S_1 = 0.054
Site Class:	D-Default
Live Loads:	Lm = 500 lbs, Lv = 250 lbs

Conclusion

Based on the analysis results, the antenna mount meets the requirements per the applicable codes listed above provided the modifications listed below are completed:

1. Relocate position 2/3 mount pipes on Alpha sector and position 1/2 mount pipes on Beta/Gamma sector so that mount pipes are spaced at 55" c-c.

If you have any questions or require additional information, please contact American Tower via email at Engineering@americantower.com. Please include the American Tower site name, site number, and engineering number in the subject line for any questions.

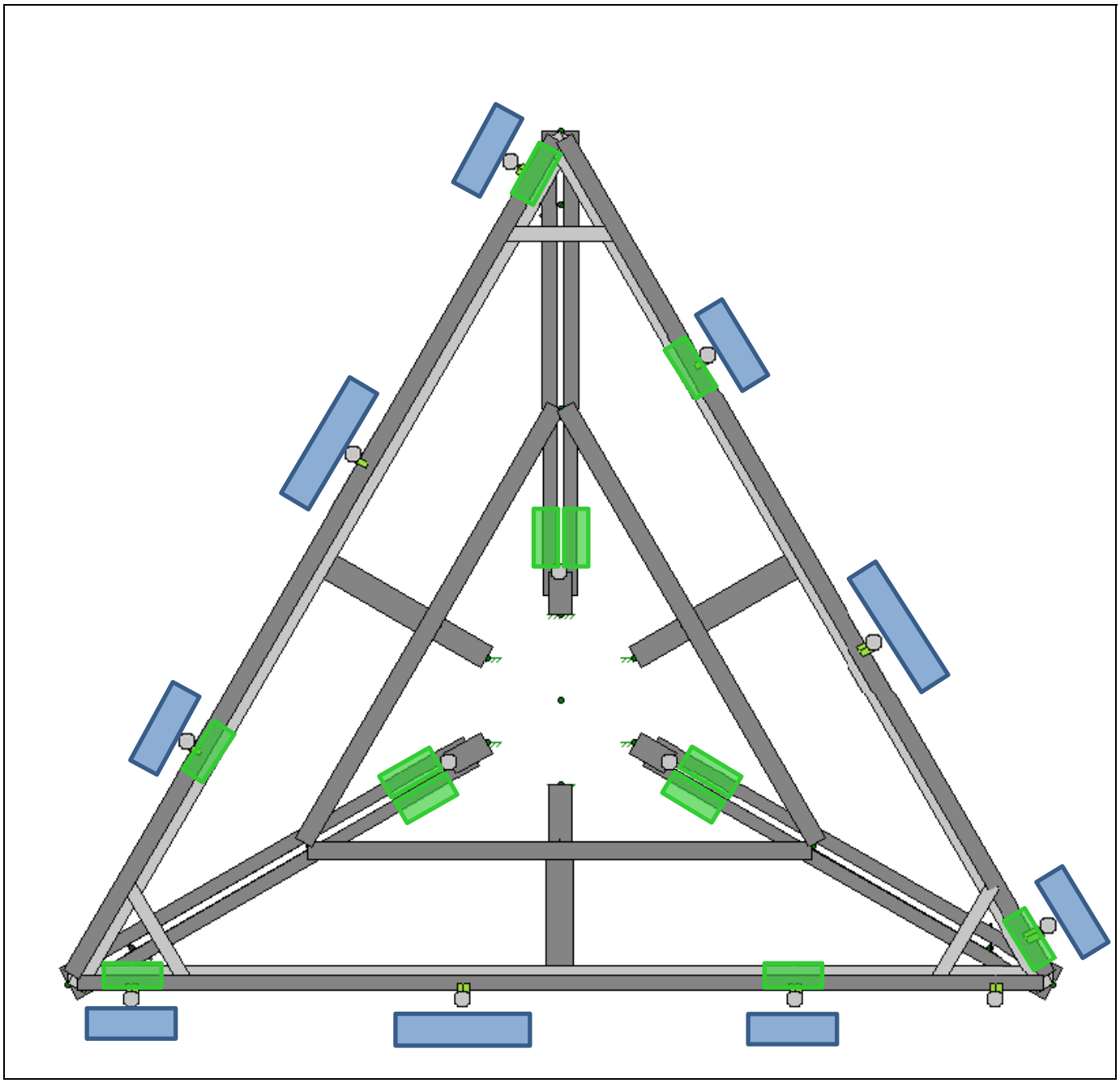
Antenna Loading

Mount Centerline (ft)	Antenna Centerline (ft)	Qty	Antenna Model
132.0	134.0	3	Ericsson Air 6449 B77D
	132.0	3	CCI DMP65R-BU6E
		3	Kathrein Scala 80010964
		3	Ericsson RRUS 4449 B5, B12
		3	Ericsson RRUS 8843 B2, B66A
		3	Ericsson RRUS 4478 B14
		3	Ericsson RRUS 32 B30 (53 lbs)
		2	Raycap DC9-48-60-24-8C-EV
		1	Raycap DC6-48-60-18-8F (“Squid”)
	130.0	3	Ericsson AIR 6419 B77G

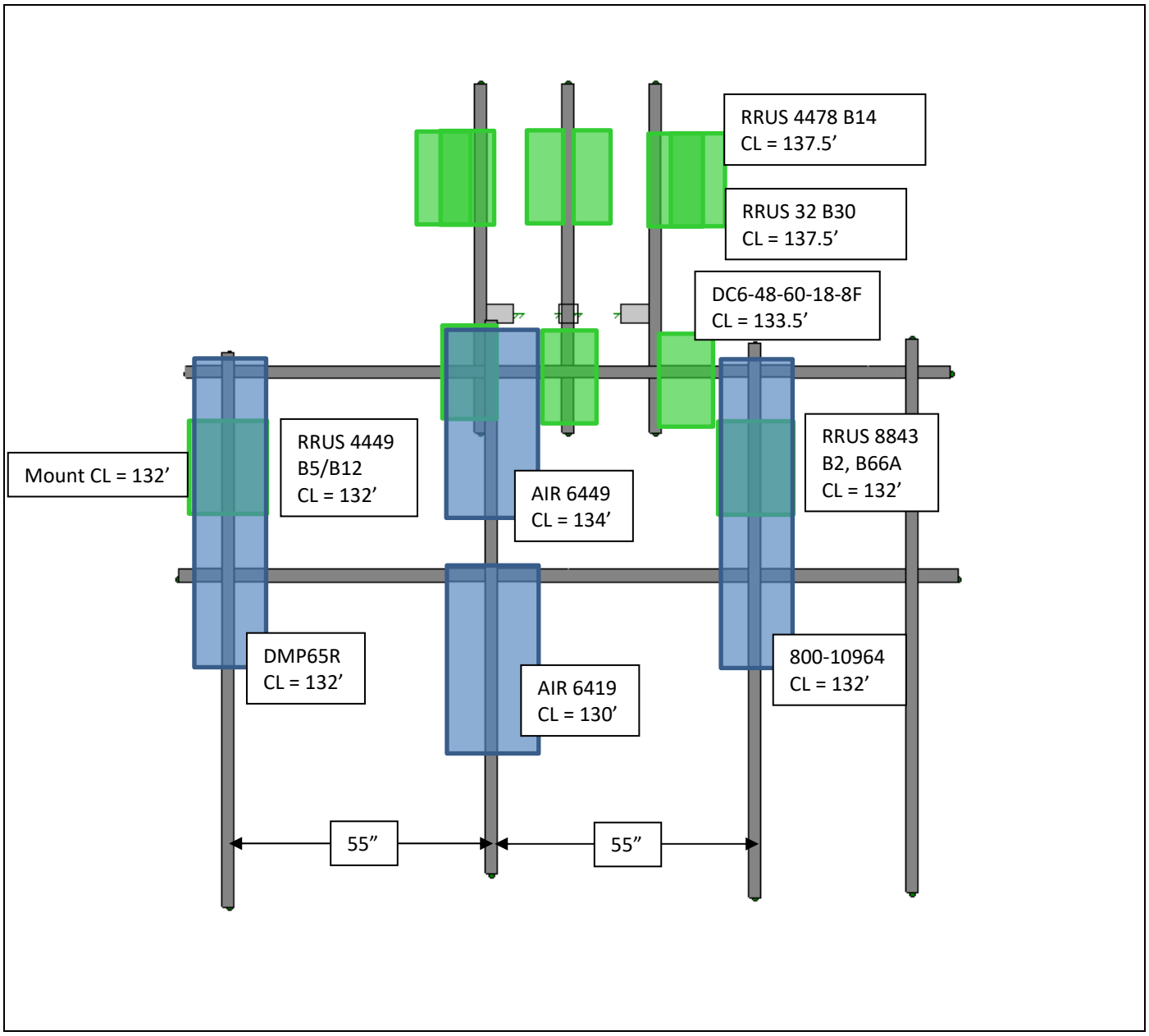
Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Horizontals	69%	Pass
Mount Pipes	65%	Pass
Support Rails	70%	Pass
Mod Kits	39%	Pass
Mount to Tower Connections	46%	Pass

Mount Layout



Equipment Layout



Standard Conditions

All engineering services performed by ETS, PLLC are prepared on the basis that the information used is current and correct. This information may consist of, but is not limited to the following:

- Information supplied by the client regarding antenna, mounts and feed line loading
- Information from drawings, design and analysis documents, and field notes in the possession of ETS, PLLC

It is the responsibility of the client to ensure that the information provided to ETS, PLLC and used in the performance of our engineering services is correct and complete.

American Tower assumes that all structures were constructed in accordance with the drawings and specifications.

All connections are to be verified for condition and tightness by the installation contractor preceding any changes to the appurtenance mounting system and/or equipment attached to it.

Unless explicitly agreed by both the client and ETS, PLLC, all services will be performed in accordance with the current revision of ANSI/TIA-222.

Installation of all equipment and steel should be confirmed not to cause tower conflicts nor impede the tower climbing pegs.

All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. ETS, PLLC is not responsible for the conclusions, opinions and recommendations made by others based on the information supplied herein.

TIA-222-H Mount Load Generator

Site Inputs	
Mount Support (Tower, or Building Support)?	Tower
Risk Category (TIA Table 2-1)	II
Exposure Category	B
Basic Wind Speed without Ice, V	123 mph
Basic Wind Speed with Ice, V_i	50 mph
Design of Ice, δ_{ice}	56 pcf
Design Ice Thickness, t_i	1.00 in
Basic Wind Speed (Maintenance)	30 mph
Maintenance Load, L_m	500 lb
Maintenance Load, L_v	250 lb
Height of Structure, h	148.0 ft
Mount Centerline, h_m	132.0 ft
Topographic Factor, K_{zt}	1.00
Rooftop Wind Speed-Up Factor, K_s	1.00
Mean Elevation of base of structure above sea level, z_s	24 ft
Ground Elevation Factor, K_e	1.00
Wind Direction Probability Factor, K_d	0.95
Gust Response Factor, G_h	1.00
Shielding Factor for Appurtenances, K_a	0.90

Seismic Design Input/Output	
0.205	Spectral response acceleration at short periods, S_s
0.054	Spectral response acceleration at a period of 1 second, S_1
D	Soil Site Class
1.600	Short-period site coefficient, F_a
2.400	Long-period site coefficient, F_v
0.219	Design spectral response acceleration at short periods, S_{DS}
0.086	Design spectral response acceleration at a period of 1 second, S_{D1}
2.00	Response modification coefficient, R
1.00	Earthquake amplification factor, A_s
1.00	Importance Factor
0.1093	Seismic Response Coefficient, C_s
Eh = 0.109 W	Total Seismic Shear Force, $E_h = \rho Q_E$ ($Q_E = \rho C_s W A_s$ & $\rho = 1.0$)
Ev = 0.044 D	Vertical Seismic Load Effect, $E_v = 0.2 S_{DS} D A_s$

Output File Name: 302540_Madison CT 6

Mount Pipe Information							Mount Pipe Forces					
Mount Pipe	Mount Location	Vertical Offset	Length	Diameter	Weight	Shape	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{iz}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
P 2 SCH 40 x 116	MP1	-2.43 ft	116.00 in	2.38 in	35.35 lb	Round	89.81 lb	89.81 lb	1.147 in	47.69 lb	29.75 lb	29.75 lb
P 2 SCH 40 x 116	MP2	-2.52 ft	116.00 in	2.38 in	35.35 lb	Round	37.88 lb	89.79 lb	1.146 in	47.68 lb	12.78 lb	29.74 lb
P 2 SCH 40 x 116	MP3	-2.10 ft	116.00 in	2.38 in	35.35 lb	Round	55.95 lb	89.88 lb	1.147 in	47.70 lb	18.65 lb	29.77 lb
P 2 SCH 40 x 116	MP4	-2.68 ft	116.00 in	2.38 in	35.35 lb	Round	35.22 lb	89.76 lb	1.146 in	47.67 lb	11.92 lb	29.73 lb
P 2 SCH 40 x 116	MP5	-2.43 ft	116.00 in	2.38 in	35.35 lb	Round	37.24 lb	89.81 lb	1.147 in	47.69 lb	12.58 lb	29.75 lb
P 2 SCH 40 x 116	MP6	-2.10 ft	116.00 in	2.38 in	35.35 lb	Round	55.95 lb	89.88 lb	1.147 in	47.70 lb	18.65 lb	29.77 lb
P 2 SCH 40 x 116	MP7	-2.52 ft	116.00 in	2.38 in	35.35 lb	Round	33.94 lb	89.79 lb	1.146 in	47.68 lb	11.50 lb	29.74 lb
P 2 SCH 40 x 116	MP8	-2.43 ft	116.00 in	2.38 in	35.35 lb	Round	37.24 lb	89.81 lb	1.147 in	47.69 lb	12.58 lb	29.75 lb
P 2 SCH 40 x 116	MP9	-2.10 ft	116.00 in	2.38 in	35.35 lb	Round	55.95 lb	89.88 lb	1.147 in	47.70 lb	18.65 lb	29.77 lb
P 2 SCH 40 x 116	MP10	-2.52 ft	116.00 in	2.38 in	35.35 lb	Round	33.94 lb	89.79 lb	1.146 in	47.68 lb	11.50 lb	29.74 lb
P 2 SCH 40 x 73	MP11	3.80 ft	73.00 in	2.38 in	22.24 lb	Round	47.74 lb	57.28 lb	1.152 in	30.20 lb	16.03 lb	16.06 lb
P 2 SCH 40 x 73	MP12	3.80 ft	73.00 in	2.38 in	22.24 lb	Round	47.74 lb	57.28 lb	1.152 in	30.20 lb	16.03 lb	16.06 lb
P 2 SCH 40 x 73	MP13	3.80 ft	73.00 in	2.38 in	22.24 lb	Round	47.74 lb	57.28 lb	1.152 in	30.20 lb	16.03 lb	16.06 lb

Engineered Tower Solutions, PLLC
3227 Wellington Court
Raleigh, NC 27615

Appurtenance Information - MP2							Appurtenance Forces - MP2					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{iz}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
KATHREIN / 80010964	1	0.00 ft	59.00 in	20.00 in	6.90 in	83.80 lb	393.17 lb	161.40 lb	1.149 in	153.91 lb	68.98 lb	31.05 lb
ERICSSON / RRUS 8843 B2/B66A	1	0.00 ft	14.90 in	13.20 in	10.90 in	72.00 lb	64.46 lb	53.23 lb	1.149 in	31.83 lb	11.90 lb	10.83 lb

Appurtenance Information - MP3							Appurtenance Forces - MP3					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{iz}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
ERICSSON / AIR 6449 B77D	1	2.00 ft	30.40 in	15.90 in	8.10 in	81.60 lb	159.10 lb	84.81 lb	1.150 in	67.63 lb	28.68 lb	16.75 lb
ERICSSON / AIR 6419 B77G	1	-2.00 ft	28.30 in	16.10 in	7.90 in	66.10 lb	148.67 lb	75.88 lb	1.147 in	63.05 lb	26.78 lb	15.10 lb

Appurtenance Information - MP4							Appurtenance Forces - MP4					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{iz}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
CCI ANTENNAS / DMP65R-BU6e	1	0.00 ft	71.20 in	20.70 in	9.70 in	103.80 lb	499.84 lb	266.21 lb	1.149 in	199.92 lb	87.33 lb	49.16 lb
ERICSSON / RRUS 4449 B5/B12	1	0.00 ft	17.90 in	13.20 in	9.40 in	71.00 lb	77.44 lb	55.14 lb	1.149 in	36.33 lb	14.26 lb	11.26 lb

Appurtenance Information - MP5							Appurtenance Forces - MP5					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{iz}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
KATHREIN / 80010964	1	0.00 ft	59.00 in	20.00 in	6.90 in	83.80 lb	393.17 lb	161.40 lb	1.149 in	153.91 lb	68.98 lb	31.05 lb
ERICSSON / RRUS 8843 B2/B66A	1	0.00 ft	14.90 in	13.20 in	10.90 in	72.00 lb	64.46 lb	53.23 lb	1.149 in	31.83 lb	11.90 lb	10.83 lb

Appurtenance Information - MP6							Appurtenance Forces - MP6					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{iz}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
ERICSSON / AIR 6449 B77D	1	2.00 ft	30.40 in	15.90 in	8.10 in	81.60 lb	159.10 lb	84.81 lb	1.150 in	67.63 lb	28.68 lb	16.75 lb
ERICSSON / AIR 6419 B77G	1	-2.00 ft	28.30 in	16.10 in	7.90 in	66.10 lb	148.67 lb	75.88 lb	1.147 in	63.05 lb	26.78 lb	15.10 lb

Appurtenance Information - MP7							Appurtenance Forces - MP7					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{iz}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
CCI ANTENNAS / DMP65R-BU6e	1	0.00 ft	71.20 in	20.70 in	9.70 in	103.80 lb	499.84 lb	266.21 lb	1.149 in	199.92 lb	87.33 lb	49.16 lb
ERICSSON / RRUS 4449 B5/B12	1	0.00 ft	17.90 in	13.20 in	9.40 in	71.00 lb	77.44 lb	55.14 lb	1.149 in	36.33 lb	14.26 lb	11.26 lb

Appurtenance Information - MP8							Appurtenance Forces - MP8					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{iz}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
KATHREIN / 80010964	1	0.00 ft	59.00 in	20.00 in	6.90 in	83.80 lb	393.17 lb	161.40 lb	1.149 in	153.91 lb	68.98 lb	31.05 lb
ERICSSON / RRUS 8843 B2/B66A	1	0.00 ft	14.90 in	13.20 in	10.90 in	72.00 lb	64.46 lb	53.23 lb	1.149 in	31.83 lb	11.90 lb	10.83 lb

Appurtenance Information - MP9							Appurtenance Forces - MP9					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{iz}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
ERICSSON / AIR 6449 B77D	1	2.00 ft	30.40 in	15.90 in	8.10 in	81.60 lb	159.10 lb	84.81 lb	1.150 in	67.63 lb	28.68 lb	16.75 lb
ERICSSON / AIR 6419 B77G	1	-2.00 ft	28.30 in	16.10 in	7.90 in	66.10 lb	148.67 lb	75.88 lb	1.147 in	63.05 lb	26.78 lb	15.10 lb

Appurtenance Information - MP10							Appurtenance Forces - MP10					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{iz}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
CCI ANTENNAS / DMP65R-BU6e	1	0.00 ft	71.20 in	20.70 in	9.70 in	103.80 lb	499.84 lb	266.21 lb	1.149 in	199.92 lb	87.33 lb	49.16 lb
ERICSSON / RRUS 4449 B5/B12	1	0.00 ft	17.90 in	13.20 in	9.40 in	71.00 lb	77.44 lb	55.14 lb	1.149 in	36.33 lb	14.26 lb	11.26 lb

Appurtenance Information - MP11							Appurtenance Forces - MP11					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{iz}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
ERICSSON / RRUS 4478 B14	1	5.50 ft	18.10 in	8.30 in	13.40 in	59.40 lb	49.81 lb	80.42 lb	1.153 in	35.95 lb	10.18 lb	15.78 lb
ERICSSON / RRUS 32 B30	1	5.50 ft	27.20 in	7.00 in	12.10 in	53.00 lb	66.37 lb	0.00 lb	1.153 in	48.33 lb	13.27 lb	3.07 lb
RAYCAP / DC6-48-60-18-8F	1	1.50 ft	24.00 in	11.00 in	11.00 in	31.80 lb	36.17 lb	36.17 lb	1.150 in	34.14 lb	10.92 lb	11.09 lb

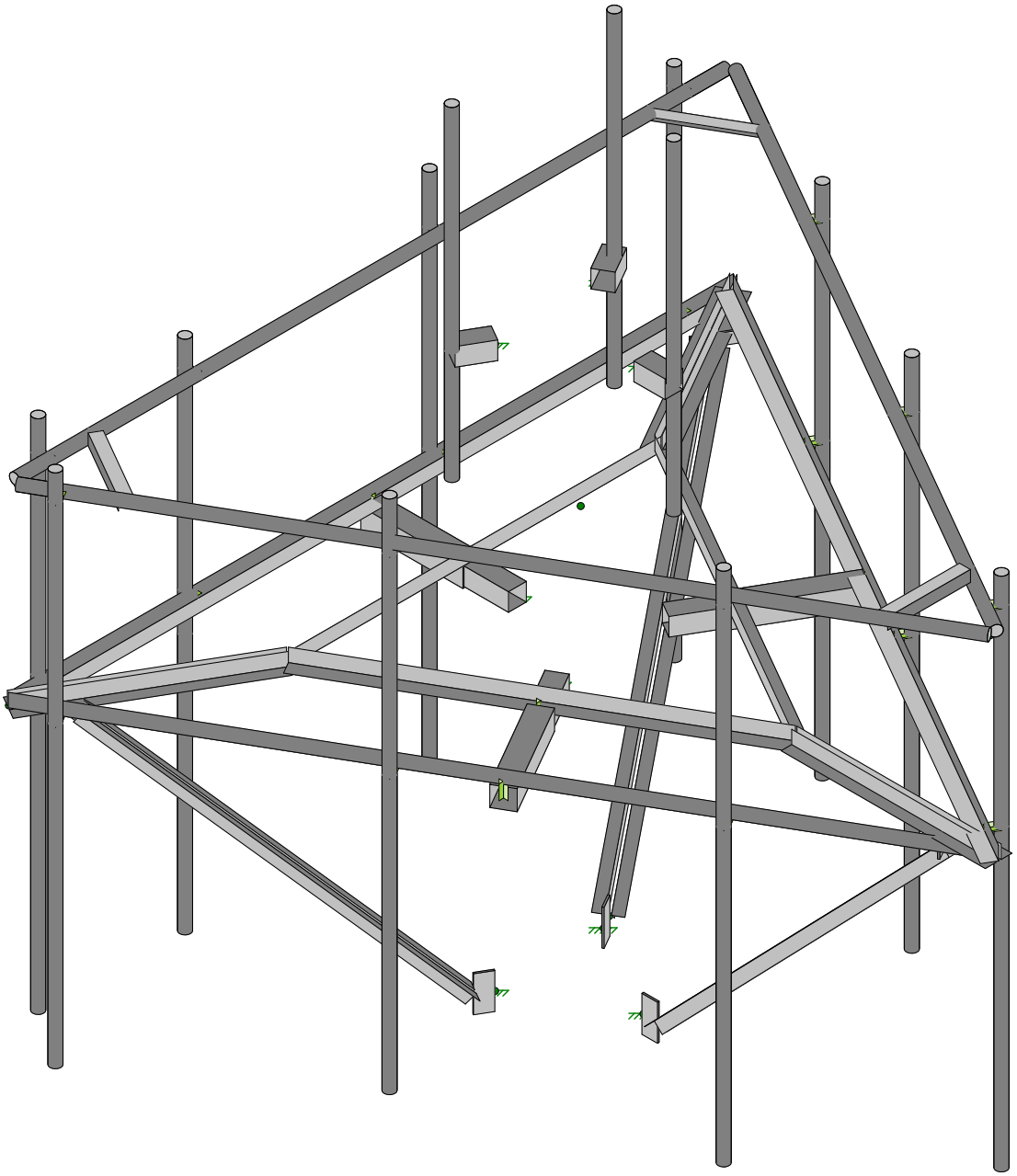
Appurtenance Information - MP12							Appurtenance Forces - MP12					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{iz}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
ERICSSON / RRUS 4478 B14	1	5.50 ft	18.10 in	8.30 in	13.40 in	59.40 lb	49.81 lb	80.42 lb	1.153 in	35.95 lb	10.18 lb	15.78 lb
ERICSSON / RRUS 32 B30	1	5.50 ft	27.20 in	7.00 in	12.10 in	53.00 lb	66.37 lb	0.00 lb	1.153 in	48.33 lb	13.27 lb	3.07 lb
RAYCAP / DC9-48-60-24-8C-EV	1	1.50 ft	31.40 in	18.30 in	10.20 in	16.00 lb	78.72 lb	45.01 lb	1.150 in	71.51 lb	21.83 lb	13.43 lb

Appurtenance Information - MP13							Appurtenance Forces - MP13					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{iz}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
ERICSSON / RRUS 4478 B14	1	5.50 ft	18.10 in	8.30 in	13.40 in	59.40 lb	49.81 lb	80.42 lb	1.153 in	35.95 lb	10.18 lb	15.78 lb
ERICSSON / RRUS 32 B30	1	5.50 ft	27.20 in	7.00 in	12.10 in	53.00 lb	66.37 lb	0.00 lb	1.153 in	48.33 lb	13.27 lb	3.07 lb
RAYCAP / DC9-48-60-24-8C-EV	1	1.50 ft	31.40 in	18.30 in	10.20 in	16.00 lb	78.72 lb	45.01 lb	1.150 in	71.51 lb	21.83 lb	13.43 lb

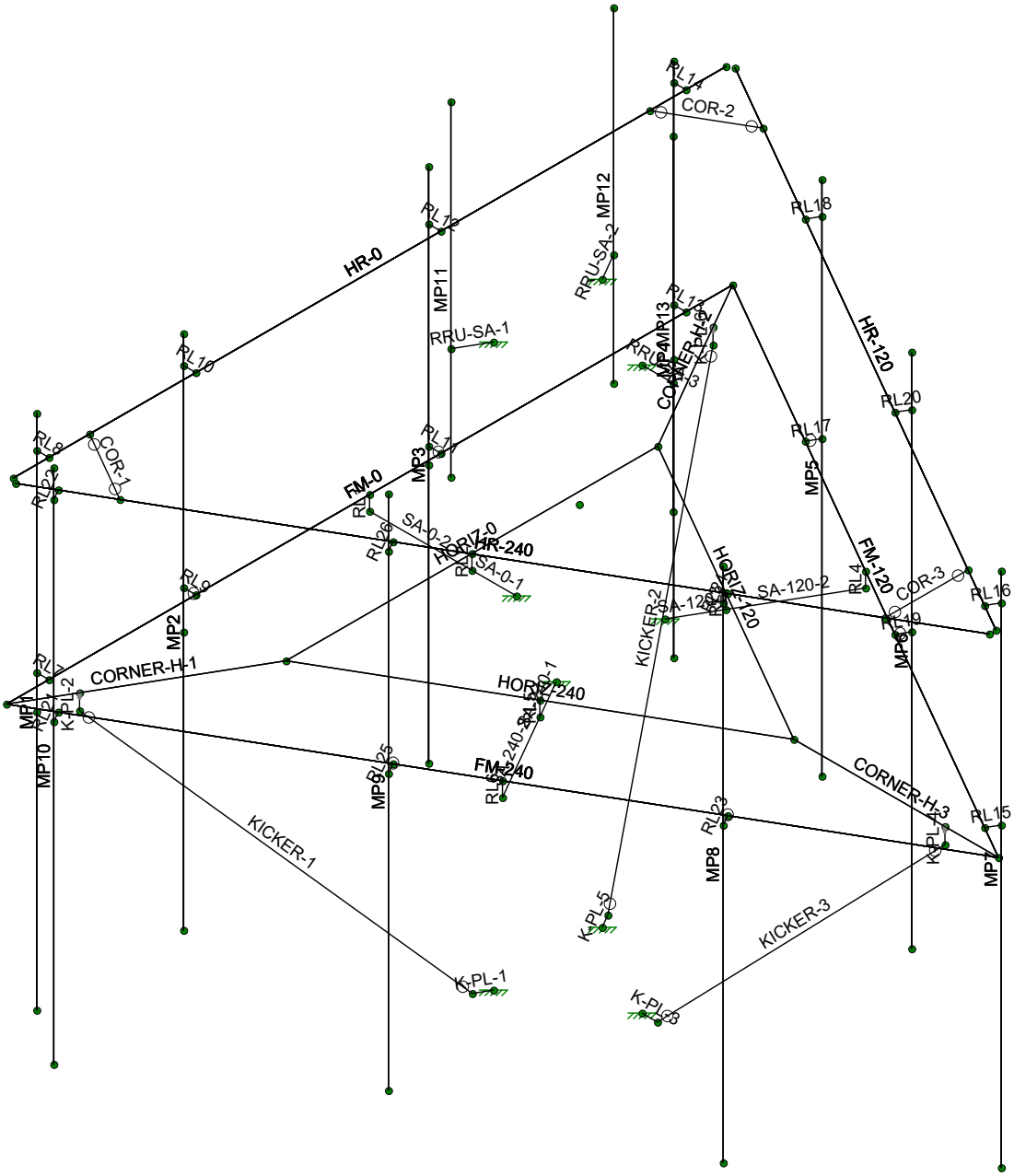
Member Distributed Loads	Member Information			Member Forces		
Mount Members	Width/Diameter (in)	Depth/Diameter (in)	Length (in)	Ka * Force / Length, No Ice	Ice Weight (plf)	Ka * Force / Length, Ice
L2.5x2.5x4	2.500 in	2.500 in	18.6 in	10.4 lb/ft	6.6 lb/ft	2.6 lb/ft
LL3x3x4x0	3.000 in	6.000 in	45.9 in	14.8 lb/ft	10.0 lb/ft	3.4 lb/ft
L3X3X4	3.000 in	3.000 in	163.0 in	17.7 lb/ft	7.6 lb/ft	4.3 lb/ft
PIPE_2.0	2.375 in	2.375 in	160.0 in	8.4 lb/ft	4.9 lb/ft	2.7 lb/ft
PL3/8x8	8.000 in	0.375 in	3.5 in	28.3 lb/ft	12.9 lb/ft	5.5 lb/ft
LL2.5x2.5x4x8	5.000 in	2.500 in	92.8 in	26.3 lb/ft	8.6 lb/ft	5.4 lb/ft
HSS4X4X4	4.000 in	4.000 in	10.0 in	10.0 lb/ft	9.6 lb/ft	2.4 lb/ft
HSS4.5X4.5X4	4.500 in	4.500 in	23.0 in	11.7 lb/ft	10.5 lb/ft	2.7 lb/ft
L3x3x4 HOR	3.000 in	3.000 in	83.4 in	17.7 lb/ft	7.6 lb/ft	4.0 lb/ft
HSS4X4X4 RRU	4.000 in	4.000 in	7.0 in	10.0 lb/ft	9.6 lb/ft	2.4 lb/ft

Member Lookup	Member Label	Position	Maintenance Load
L2.5x2.5x4	COR-1	210°	
L2.5x2.5x4	COR-2	330°	
L2.5x2.5x4	COR-3	90°	
LL3x3x4x0	CORNER-H-1	300°	
LL3x3x4x0	CORNER-H-2	60°	
LL3x3x4x0	CORNER-H-3	180°	
L3X3X4	FM-0	90°	Start/Mid/End
L3X3X4	FM-120	210°	Start/Mid/End
L3X3X4	FM-240	330°	Start/Mid/End
L3x3x4 HOR	HORIZ-0	90°	Start/Mid/End
L3x3x4 HOR	HORIZ-120	210°	Start/Mid/End
L3x3x4 HOR	HORIZ-240	330°	Start/Mid/End
PIPE_2.0	HR-0	90°	Start/Mid/End
PIPE_2.0	HR-120	210°	Start/Mid/End
PIPE_2.0	HR-240	330°	Start/Mid/End
PL3/8x8	K-PL-1	300°	

Member Lookup	Member Label	Position	Maintenance Load
PL3/8x8	K-PL-2	300°	
PL3/8x8	K-PL-3	180°	
PL3/8x8	K-PL-4	180°	
PL3/8x8	K-PL-5	60°	
PL3/8x8	K-PL-6	60°	
LL2.5x2.5x4x8	KICKER-1	300°	
LL2.5x2.5x4x8	KICKER-2	60°	
LL2.5x2.5x4x8	KICKER-3	180°	
HSS4X4X4	SA-0-1	0°	
HSS4.5X4.5X4	SA-0-2	0°	
HSS4X4X4	SA-120-1	120°	
HSS4.5X4.5X4	SA-120-2	120°	
HSS4X4X4	SA-240-1	240°	
HSS4.5X4.5X4	SA-240-2	240°	
HSS4X4X4 RRU	RRU-SA-1	300°	
HSS4X4X4 RRU	RRU-SA-2	60°	
HSS4X4X4 RRU	RRU-SA-3	180°	



ETS, PLLC	302540 - Madison CT 6	SK - 1
GCT		Mar 18, 2022 at 3:51 PM
ETS#22104939.STR.1961		302540_Madison CT 6.r3d



ETS, PLLC	302540 - Madison CT 6	SK - 2
GCT		Mar 18, 2022 at 3:51 PM
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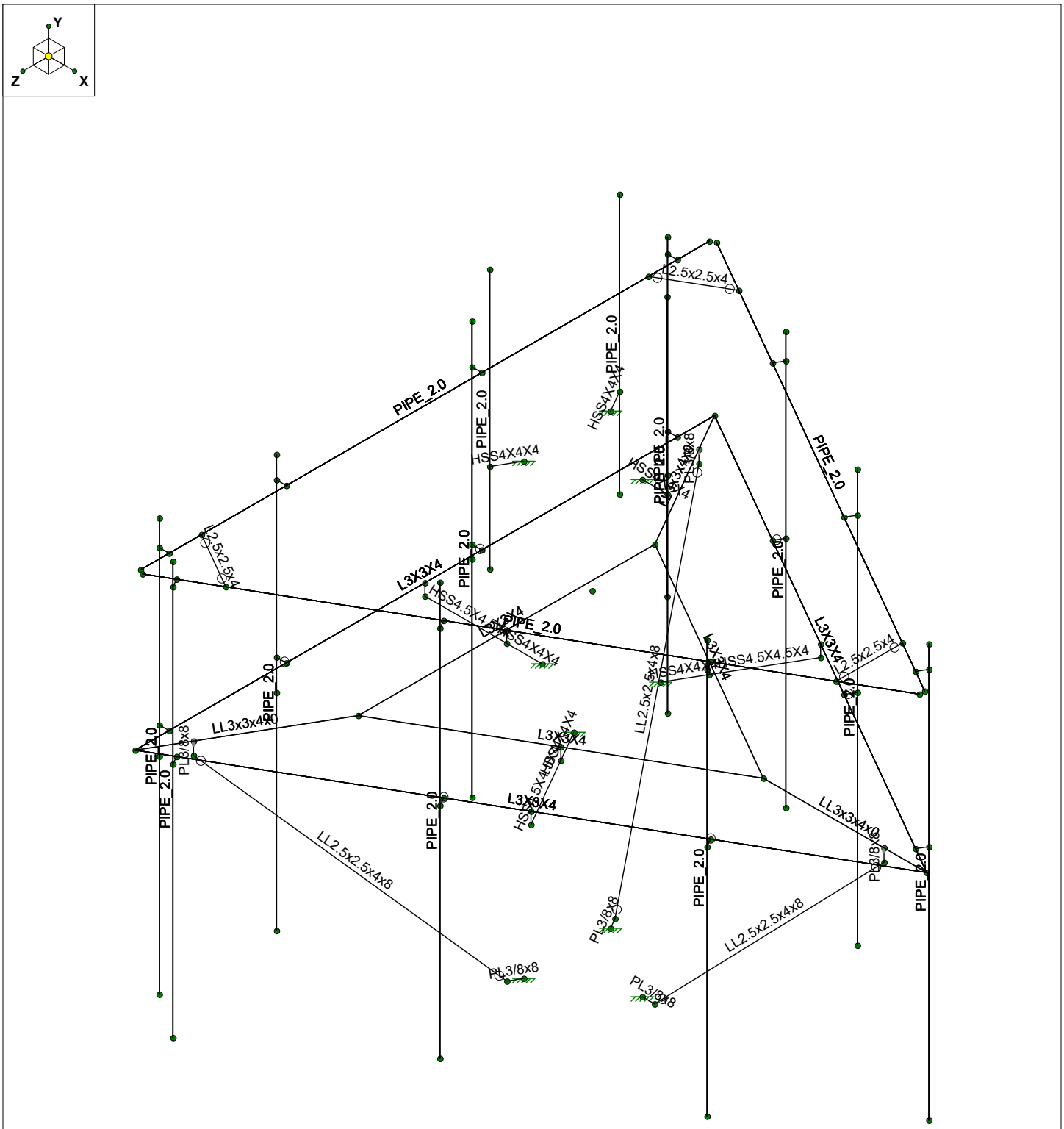

ETS, PLLC	302540 - Madison CT 6	SK - 3
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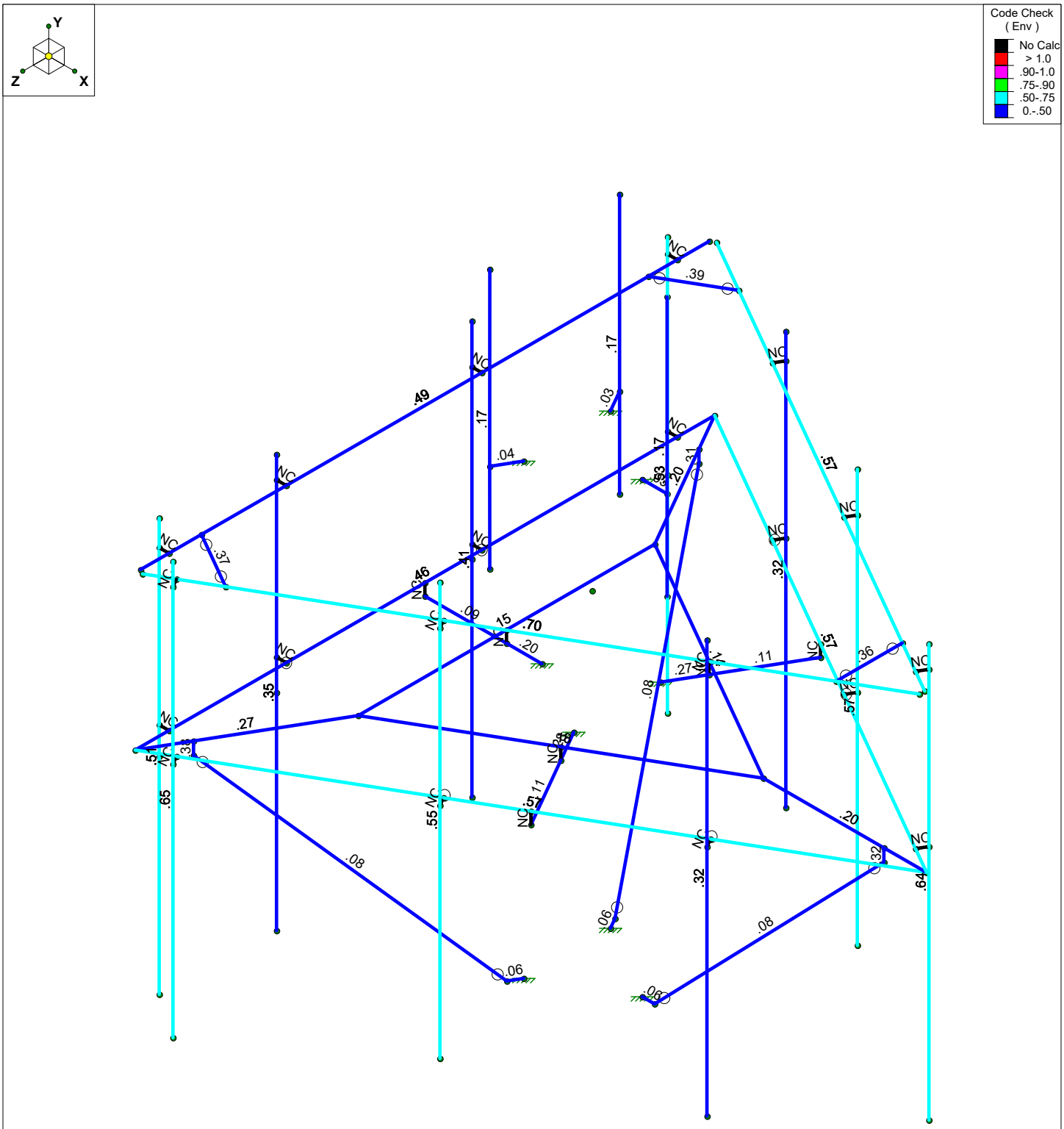
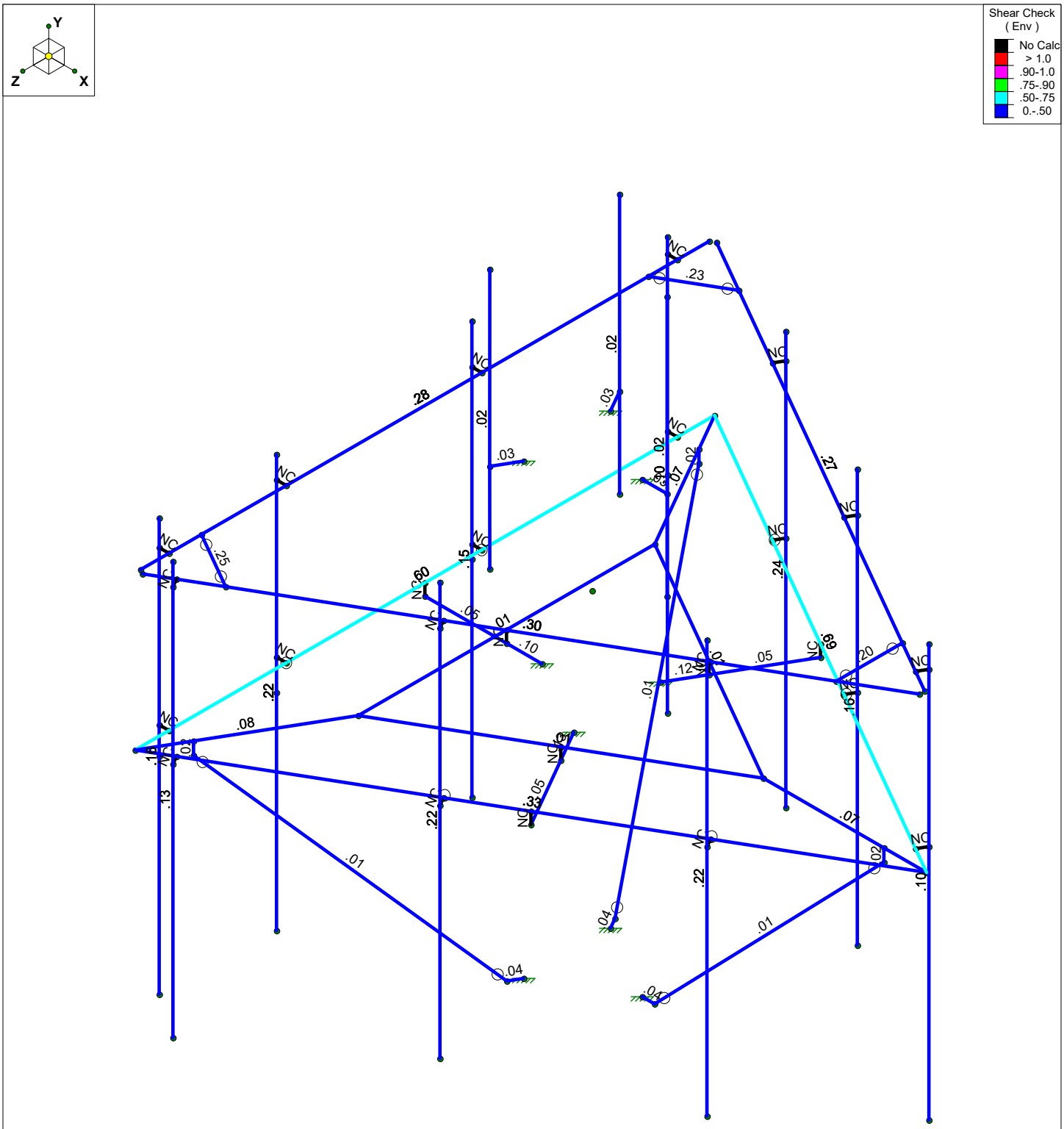


Member Code Checks Displayed (Enveloped)
Results for LC 1, 1.4D

ETS, PLLC	302540 - Madison CT 6	SK - 4
GCT		Mar 18, 2022 at 4:05 PM
ETS#22104939.STR.1961		302540_CT2178_ATT MOBILITY.r...



Member Shear Checks Displayed (Enveloped)
Results for LC 1, 1.4D

ETS, PLLC	302540 - Madison CT 6	SK - 5
GCT		Mar 18, 2022 at 4:05 PM
ETS#22104939.STR.1961		302540_CT2178_ATT MOBILITY.r...

Joint Boundary Conditions

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
1	N23	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
2	N24	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
3	N25	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
4	N95	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
5	N96	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
6	N97	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
7	N98						
8	N101						
9	N104						
10	N111	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
11	N112	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
12	N113	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
13	N114						
14	N116						
15	N117						
16	N120						
17	N122						
18	N123						
19	N126						
20	N128						
21	N129						

Joint Coordinates and Temperatures

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diaph...
1	N1	-24.087173	-21.59375	41.72024	0	
2	N2	-47.05403	-21.59375	81.500003	0	
3	N3	48.174402	-21.59375	-0.	0	
4	N4	94.108116	-21.59375	-0.	0	
5	N5	-24.087187	-21.59375	-41.720232	0	
6	N6	-47.054044	-21.59375	-81.499995	0	
7	N7	23.527029	-21.59375	-40.75001	0	
8	N8	12.0436	-21.59375	-20.860128	0	
9	N9	-47.05403	-21.59375	0.	0	
10	N10	-24.087173	-21.59375	0.	0	
11	N11	23.527029	-21.59375	40.75001	0	
12	N12	12.0436	-21.59375	20.860128	0	
13	N13	0.000019	0	0.	0	
14	N14	-47.054034	21.593723	79.999964	0	
15	N15	-47.054034	21.593723	-79.999964	0	
16	N16	-47.054034	21.593723	62.871431	0	
17	N17	23.527029	-24.860101	-40.75001	0	
18	N18	12.0436	-24.860101	-20.860128	0	
19	N19	-47.05403	-24.860101	0.	0	
20	N20	-24.087173	-24.860101	0.	0	
21	N21	23.527029	-24.860101	40.75001	0	
22	N22	12.0436	-24.860101	20.860128	0	
23	N23	-14.086874	-24.860101	0.	0	
24	N24	7.043451	-24.860101	12.199615	0	
25	N25	7.043451	-24.860101	-12.199615	0	
26	N26	-30.92124	21.593723	72.185704	0	
27	N27	92.809018	21.593723	0.750007	0	
28	N28	-45.754984	21.593723	80.749971	0	
29	N29	-45.754984	21.593723	-80.749971	0	
30	N30	92.809018	21.593723	-0.750007	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diaph...
31	N31	77.975273	21.593723	9.314273	0	
32	N32	77.975273	21.593723	-9.314273	0	
33	N33	-30.92124	21.593723	-72.185704	0	
34	N34	-47.054034	21.593723	-62.871431	0	
35	N35	-47.054034	21.593723	71.999964	0	
36	N36	-47.05403	-21.59375	71.999964	0	
37	N37	-49.803576	-21.59375	71.999964	0	
38	N38	-49.803576	21.593723	71.999964	0	
39	N39	-49.803576	28.781224	71.999964	0	
40	N40	-49.803576	-87.218571	71.999964	0	
41	N41	-47.054034	21.593723	38.999964	0	
42	N42	-47.05403	-21.59375	38.999964	0	
43	N43	-49.803576	-21.59375	38.999964	0	
44	N44	-49.803576	21.593723	38.999964	0	
45	N45	-49.803576	27.781224	38.999964	0	
46	N46	-49.803576	-88.218571	38.999964	0	
47	N47	-47.054034	21.593723	-16.000036	0	
48	N48	-47.05403	-21.59375	-16.000036	0	
49	N49	-49.803576	-21.59375	-16.000036	0	
50	N50	-49.803576	21.593723	-16.000036	0	
51	N51	-49.803576	32.781224	-16.000036	0	
52	N52	-49.803576	-83.218571	-16.000036	0	
53	N53	-47.054034	21.593723	-71.000036	0	
54	N54	-47.05403	-21.59375	-71.000036	0	
55	N55	-49.803576	-21.59375	-71.000036	0	
56	N56	-49.803576	21.593723	-71.000036	0	
57	N57	-49.803576	25.781224	-71.000036	0	
58	N58	-49.803576	-90.218571	-71.000036	0	
59	N59	86.746903	21.593723	-4.249971	0	
60	N60	86.746901	-21.59375	-4.249968	0	
61	N61	88.121673	-21.59375	-6.631144	0	
62	N62	88.121673	21.593723	-6.631144	0	
63	N63	88.121673	27.781224	-6.631141	0	
64	N64	88.121673	-88.218571	-6.631141	0	
65	N65	-8.515954	21.593723	-59.250007	0	
66	N66	-8.515956	-21.59375	-59.250003	0	
67	N67	-7.141183	-21.59375	-61.63118	0	
68	N68	-7.141183	21.593723	-61.63118	0	
69	N69	-7.141183	28.781224	-61.63118	0	
70	N70	-7.141183	-87.218571	-61.63118	0	
71	N71	39.11553	21.593723	-31.749957	0	
72	N72	39.115528	-21.59375	-31.749953	0	
73	N73	40.490301	-21.59375	-34.13113	0	
74	N74	40.490301	21.593723	-34.13113	0	
75	N75	40.490301	32.781224	-34.13113	0	
76	N76	40.490301	-83.218571	-34.13113	0	
77	N77	-39.692869	21.593723	77.250007	0	
78	N78	-39.692871	-21.59375	77.250003	0	
79	N79	-38.318098	-21.59375	79.63118	0	
80	N80	-38.318098	21.593723	79.63118	0	
81	N81	-38.318098	27.781224	79.631177	0	
82	N82	-38.318098	-88.218571	79.631177	0	
83	N83	55.569988	21.593723	22.249971	0	
84	N84	55.569986	-21.59375	22.249968	0	
85	N85	56.944759	-21.59375	24.631144	0	
86	N86	56.944759	21.593723	24.631144	0	
87	N87	56.944759	28.781224	24.631144	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diaph...
88	N88	56.944759	-87.218571	24.631144	0	
89	N89	7.938504	21.593723	49.750021	0	
90	N90	7.938502	-21.59375	49.750018	0	
91	N91	9.313275	-21.59375	52.131194	0	
92	N92	9.313275	21.593723	52.131194	0	
93	N93	9.313275	32.781224	52.131194	0	
94	N94	9.313275	-83.218571	52.131194	0	
95	N95	-7.043423	-91.860101	12.199599	0	
96	N96	14.086902	-91.860101	-0.	0	
97	N97	-7.043451	-91.860101	-12.199615	0	
98	N98	-8.793423	-91.860101	15.230688	0	
99	N99	-41.05403	-21.59375	71.107698	0	
100	N100	-41.05403	-25.09375	71.107698	0	
101	N101	17.586874	-91.860101	-0.	0	
102	N102	82.108088	-21.59375	-0.	0	
103	N103	82.108088	-25.09375	-0.	0	
104	N104	-8.793437	-91.860101	-15.23068	0	
105	N105	-41.054044	-21.59375	-71.10769	0	
106	N106	-41.054044	-25.09375	-71.10769	0	
107	N107	-49.803576	-29.218674	71.999964	0	
108	N108	-49.803576	-30.218674	38.999964	0	
109	N109	-49.803576	-25.218674	-16.000036	0	
110	N110	-49.803576	-32.218674	-71.000036	0	
111	N111	-7.043428	34.139899	12.199607	0	
112	N112	14.086911	34.139899	-0.	0	
113	N113	-7.043442	34.139899	-12.199599	0	
114	N114	21.086911	34.139899	-0.	0	
115	N116	21.086911	82.139899	-0.	0	
116	N117	21.086911	9.139899	-0.	0	
117	N120	-10.543456	34.139899	-18.261801	0	
118	N122	-10.543205	82.139899	-18.261368	0	
119	N123	-10.543205	9.139899	-18.261368	0	
120	N126	-10.543456	34.139899	18.261801	0	
121	N128	-10.543205	82.139899	18.261368	0	
122	N129	-10.543205	9.139899	18.261368	0	

Member Primary Data

	Label	I Joint	J Joint	K Joi...	Rotat...	Section/Shape	Type	Design List	Material	Design R...
1	COR-1	N26	N16		90	L2.5x2.5x4	None	None	A36 Gr.36	Typical
2	COR-2	N34	N33		90	L2.5x2.5x4	None	None	A36 Gr.36	Typical
3	COR-3	N32	N31		90	L2.5x2.5x4	None	None	A36 Gr.36	Typical
4	CORNER-H-1	N1	N2		180	LL3x3x4x0	None	None	A36 Gr.36	Typical
5	CORNER-H-2	N5	N6		180	LL3x3x4x0	None	None	A36 Gr.36	Typical
6	CORNER-H-3	N3	N4		180	LL3x3x4x0	None	None	A36 Gr.36	Typical
7	FM-0	N6	N2		270	L3X3X4	None	None	A36 Gr.36	Typical
8	FM-120	N4	N6		270	L3X3X4	None	None	A36 Gr.36	Typical
9	FM-240	N2	N4		270	L3X3X4	None	None	A36 Gr.36	Typical
10	HORIZ-0	N5	N1			L3X3X4	None	None	A36 Gr.36	Typical
11	HORIZ-120	N3	N5			L3X3X4	None	None	A36 Gr.36	Typical
12	HORIZ-240	N1	N3			L3X3X4	None	None	A36 Gr.36	Typical
13	HR-0	N15	N14			PIPE_2.0	None	None	A53 Gr.B	Typical
14	HR-120	N30	N29			PIPE_2.0	None	None	A53 Gr.B	Typical
15	HR-240	N28	N27			PIPE_2.0	None	None	A53 Gr.B	Typical
16	K-PL-1	N95	N98			PL3/8x8	None	None	A36 Gr.36	Typical
17	K-PL-2	N99	N100			PL3/8x8	None	None	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joi...	Rotat...	Section/Shape	Type	Design List	Material	Design R...
18	K-PL-3	N96	N101			PL3/8x8	None	None	A36 Gr.36	Typical
19	K-PL-4	N102	N103		240	PL3/8x8	None	None	A36 Gr.36	Typical
20	K-PL-5	N97	N104			PL3/8x8	None	None	A36 Gr.36	Typical
21	K-PL-6	N105	N106		120	PL3/8x8	None	None	A36 Gr.36	Typical
22	KICKER-1	N98	N100			LL2.5x2.5x4x8	None	None	A36 Gr.36	Typical
23	KICKER-2	N104	N106			LL2.5x2.5x4x8	None	None	A36 Gr.36	Typical
24	KICKER-3	N101	N103			LL2.5x2.5x4x8	None	None	A36 Gr.36	Typical
25	MP1	N40	N39			PIPE_2.0	None	None	A53 Gr.B	Typical
26	MP2	N46	N45			PIPE_2.0	None	None	A53 Gr.B	Typical
27	MP3	N52	N51			PIPE_2.0	None	None	A53 Gr.B	Typical
28	MP4	N58	N57			PIPE_2.0	None	None	A53 Gr.B	Typical
29	MP5	N70	N69			PIPE_2.0	None	None	A53 Gr.B	Typical
30	MP6	N76	N75			PIPE_2.0	None	None	A53 Gr.B	Typical
31	MP7	N64	N63			PIPE_2.0	None	None	A53 Gr.B	Typical
32	MP8	N88	N87			PIPE_2.0	None	None	A53 Gr.B	Typical
33	MP9	N94	N93			PIPE_2.0	None	None	A53 Gr.B	Typical
34	MP10	N82	N81			PIPE_2.0	None	None	A53 Gr.B	Typical
35	MP11	N129	N128			PIPE_2.0	None	None	A53 Gr.B	Typical
36	MP12	N123	N122			PIPE_2.0	None	None	A53 Gr.B	Typical
37	MP13	N117	N116			PIPE_2.0	None	None	A53 Gr.B	Typical
38	RL1	N19	N9			RIGID	None	None	RIGID	Typical
39	RL2	N20	N10			RIGID	None	None	RIGID	Typical
40	RL3	N18	N8			RIGID	None	None	RIGID	Typical
41	RL4	N17	N7			RIGID	None	None	RIGID	Typical
42	RL5	N22	N12			RIGID	None	None	RIGID	Typical
43	RL6	N21	N11			RIGID	None	None	RIGID	Typical
44	RL7	N36	N37			RIGID	None	None	RIGID	Typical
45	RL8	N35	N38			RIGID	None	None	RIGID	Typical
46	RL9	N42	N43			RIGID	None	None	RIGID	Typical
47	RL10	N41	N44			RIGID	None	None	RIGID	Typical
48	RL11	N48	N49			RIGID	None	None	RIGID	Typical
49	RL12	N47	N50			RIGID	None	None	RIGID	Typical
50	RL13	N54	N55			RIGID	None	None	RIGID	Typical
51	RL14	N53	N56			RIGID	None	None	RIGID	Typical
52	RL15	N60	N61			RIGID	None	None	RIGID	Typical
53	RL16	N59	N62			RIGID	None	None	RIGID	Typical
54	RL17	N66	N67			RIGID	None	None	RIGID	Typical
55	RL18	N65	N68			RIGID	None	None	RIGID	Typical
56	RL19	N72	N73			RIGID	None	None	RIGID	Typical
57	RL20	N71	N74			RIGID	None	None	RIGID	Typical
58	RL21	N78	N79			RIGID	None	None	RIGID	Typical
59	RL22	N77	N80			RIGID	None	None	RIGID	Typical
60	RL23	N84	N85			RIGID	None	None	RIGID	Typical
61	RL24	N83	N86			RIGID	None	None	RIGID	Typical
62	RL25	N90	N91			RIGID	None	None	RIGID	Typical
63	RL26	N89	N92			RIGID	None	None	RIGID	Typical
64	RRU-SA-1	N111	N126			HSS4X4X4	None	None	A500 Gr.B Rect	Typical
65	RRU-SA-2	N113	N120			HSS4X4X4	None	None	A500 Gr.B Rect	Typical
66	RRU-SA-3	N112	N114			HSS4X4X4	None	None	A500 Gr.B Rect	Typical
67	SA-0-1	N23	N20			HSS4X4X4	None	None	A500 Gr.B Rect	Typical
68	SA-0-2	N20	N19			HSS4.5X4.5X4	None	None	A500 Gr.B Rect	Typical
69	SA-120-1	N25	N18			HSS4X4X4	None	None	A500 Gr.B Rect	Typical
70	SA-120-2	N18	N17			HSS4.5X4.5X4	None	None	A500 Gr.B Rect	Typical
71	SA-240-1	N24	N22			HSS4X4X4	None	None	A500 Gr.B Rect	Typical
72	SA-240-2	N22	N21			HSS4.5X4.5X4	None	None	A500 Gr.B Rect	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Ra..	Analysis ...	Inactive	Seismi...
1	COR-1	OOOOXO	OOOOXO				Yes	** NA **			None
2	COR-2	OOOOXO	OOOOXO				Yes	** NA **			None
3	COR-3	OOOOXO	OOOOXO				Yes	** NA **			None
4	CORNER-...						Yes	** NA **			None
5	CORNER-...						Yes	** NA **			None
6	CORNER-...						Yes	** NA **			None
7	FM-0						Yes	** NA **	+y		None
8	FM-120						Yes	** NA **	+y		None
9	FM-240						Yes	** NA **	+y		None
10	HORIZ-0						Yes	** NA **			None
11	HORIZ-120						Yes	** NA **			None
12	HORIZ-240						Yes	** NA **			None
13	HR-0						Yes	** NA **			None
14	HR-120						Yes	** NA **			None
15	HR-240						Yes	** NA **			None
16	K-PL-1						Yes	** NA **			None
17	K-PL-2			1			Yes	** NA **			None
18	K-PL-3						Yes	** NA **			None
19	K-PL-4			1			Yes	** NA **			None
20	K-PL-5						Yes	** NA **			None
21	K-PL-6			1			Yes	** NA **			None
22	KICKER-1	BenPIN	BenPIN				Yes	** NA **			None
23	KICKER-2	BenPIN	BenPIN				Yes	** NA **			None
24	KICKER-3	BenPIN	BenPIN				Yes	** NA **			None
25	MP1						Yes	** NA **			None
26	MP2						Yes	** NA **			None
27	MP3						Yes	** NA **			None
28	MP4						Yes	** NA **			None
29	MP5						Yes	** NA **			None
30	MP6						Yes	** NA **			None
31	MP7						Yes	** NA **			None
32	MP8						Yes	** NA **			None
33	MP9						Yes	** NA **			None
34	MP10						Yes	** NA **			None
35	MP11						Yes	** NA **			None
36	MP12						Yes	** NA **			None
37	MP13						Yes	** NA **			None
38	RL1						Yes	** NA **			None
39	RL2						Yes	** NA **			None
40	RL3						Yes	** NA **			None
41	RL4						Yes	** NA **			None
42	RL5						Yes	** NA **			None
43	RL6						Yes	** NA **			None
44	RL7						Yes	** NA **			None
45	RL8						Yes	** NA **			None
46	RL9		OOOXOO				Yes	** NA **			None
47	RL10						Yes	** NA **			None
48	RL11		OOOXOO				Yes	** NA **			None
49	RL12						Yes	** NA **			None
50	RL13						Yes	** NA **			None
51	RL14						Yes	** NA **			None
52	RL15						Yes	** NA **			None
53	RL16						Yes	** NA **			None
54	RL17		OOOXOO				Yes	** NA **			None
55	RL18						Yes	** NA **			None
56	RL19		OOOXOO				Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Ra..	Analysis ...	Inactive	Seismi...
57	RL20						Yes	** NA **			None
58	RL21						Yes	** NA **			None
59	RL22						Yes	** NA **			None
60	RL23		OOOXOO				Yes	** NA **			None
61	RL24						Yes	** NA **			None
62	RL25		OOOXOO				Yes	** NA **			None
63	RL26						Yes	** NA **			None
64	RRU-SA-1						Yes	** NA **			None
65	RRU-SA-2						Yes	** NA **			None
66	RRU-SA-3						Yes	** NA **			None
67	SA-0-1						Yes	** NA **			None
68	SA-0-2						Yes	** NA **			None
69	SA-120-1						Yes	** NA **			None
70	SA-120-2						Yes	** NA **			None
71	SA-240-1						Yes	** NA **			None
72	SA-240-2						Yes	** NA **			None

Hot Rolled Steel Design Parameters

	Label	Shape	Lengt...	Lbyy[in]	Lbzz[in]	Lcomp to...	Lcomp b...	L-tor...	Kyy	Kzz	Cb	Func...
1	COR-1	L2.5x2.5x4	18.629									Lateral
2	COR-2	L2.5x2.5x4	18.629									Lateral
3	COR-3	L2.5x2.5x4	18.629									Lateral
4	CORNER-H-1	LL3x3x4x0	45.934									Lateral
5	CORNER-H-2	LL3x3x4x0	45.934									Lateral
6	CORNER-H-3	LL3x3x4x0	45.934									Lateral
7	FM-0	L3X3X4	163	77	77							Lateral
8	FM-120	L3X3X4	163	77	77							Lateral
9	FM-240	L3X3X4	163	77	77							Lateral
10	HORIZ-0	L3X3X4	83.44	39.5	39.5							Lateral
11	HORIZ-120	L3X3X4	83.44	39.5	39.5							Lateral
12	HORIZ-240	L3X3X4	83.44	39.5	39.5							Lateral
13	HR-0	PIPE_2.0	160									Lateral
14	HR-120	PIPE_2.0	160									Lateral
15	HR-240	PIPE_2.0	160									Lateral
16	K-PL-1	PL3/8x8	3.5									Lateral
17	K-PL-2	PL3/8x8	3.5									Lateral
18	K-PL-3	PL3/8x8	3.5									Lateral
19	K-PL-4	PL3/8x8	3.5									Lateral
20	K-PL-5	PL3/8x8	3.5									Lateral
21	K-PL-6	PL3/8x8	3.5									Lateral
22	KICKER-1	LL2.5x2.5x4x8	92.848									Lateral
23	KICKER-2	LL2.5x2.5x4x8	92.848									Lateral
24	KICKER-3	LL2.5x2.5x4x8	92.848									Lateral
25	MP1	PIPE_2.0	116									Lateral
26	MP2	PIPE_2.0	116									Lateral
27	MP3	PIPE_2.0	116									Lateral
28	MP4	PIPE_2.0	116									Lateral
29	MP5	PIPE_2.0	116									Lateral
30	MP6	PIPE_2.0	116									Lateral
31	MP7	PIPE_2.0	116									Lateral
32	MP8	PIPE_2.0	116									Lateral
33	MP9	PIPE_2.0	116									Lateral
34	MP10	PIPE_2.0	116									Lateral
35	MP11	PIPE_2.0	73									Lateral
36	MP12	PIPE_2.0	73									Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Lengt...	Lbyy[in]	Lbzz[in]	Lcomp to...	Lcomp b...	L-tor...	Kyy	Kzz	Cb	Func...
37	MP13	PIPE_2.0	73									Lateral
38	RRU-SA-1	HSS4X4X4	7									Lateral
39	RRU-SA-2	HSS4X4X4	7									Lateral
40	RRU-SA-3	HSS4X4X4	7									Lateral
41	SA-0-1	HSS4X4X4	10									Lateral
42	SA-0-2	HSS4.5X4.5X4	22.967									Lateral
43	SA-120-1	HSS4X4X4	10									Lateral
44	SA-120-2	HSS4.5X4.5X4	22.967									Lateral
45	SA-240-1	HSS4X4X4	10									Lateral
46	SA-240-2	HSS4.5X4.5X4	22.967									Lateral

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E5 F)	Density[k/ft^3]	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....	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr....	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr....	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

Member Point Loads (BLC 1 : Dead Load)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	Y	0	%50
2	MP2	Y	0	%50
3	MP3	Y	0	%50
4	MP4	Y	0	%50
5	MP5	Y	0	%50
6	MP6	Y	0	%50
7	MP7	Y	0	%50
8	MP8	Y	0	%50
9	MP9	Y	0	%50
10	MP10	Y	0	%50
11	MP11	Y	0	%50
12	MP12	Y	0	%50
13	MP13	Y	0	%50
14	MP11	Y	-59.4	%78
15	MP2	Y	-72	%76
16	MP4	Y	-71	%78
17	MP11	Y	-53	%78
18	MP12	Y	-59.4	%78
19	MP5	Y	-72	%75
20	MP7	Y	-71	%76
21	MP12	Y	-53	%78
22	MP13	Y	-59.4	%78
23	MP8	Y	-72	%75
24	MP10	Y	-71	%76
25	MP13	Y	-53	%78
26	MP11	Y	-31.8	%12
27	MP12	Y	-16	%12
28	MP13	Y	-16	%12

Member Point Loads (BLC 2 : Wind Load (0 deg))

Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]

Member Point Loads (BLC 2 : Wind Load (0 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	80.8	%50
2	MP2	X	34.1	%50
3	MP3	X	50.4	%50
4	MP4	X	31.7	%50
5	MP5	X	69	%50
6	MP6	X	73.3	%50
7	MP7	X	68.2	%50
8	MP8	X	69	%50
9	MP9	X	73.3	%50
10	MP10	X	68.2	%50
11	MP11	X	49.4	%50
12	MP12	X	49.4	%50
13	MP13	X	43	%50
14	MP11	X	65.5	%78
15	MP2	X	58	%76
16	MP4	X	69.7	%78
17	MP11	X	14.9	%78
18	MP12	X	65.5	%78
19	MP5	X	50.4	%75
20	MP7	X	54.6	%76
21	MP12	X	14.9	%78
22	MP13	X	44.8	%78
23	MP8	X	50.4	%75
24	MP10	X	54.6	%76
25	MP13	X	59.7	%78
26	MP11	X	32.6	%12
27	MP12	X	48.1	%12
28	MP13	X	70.8	%12
29	MP1	Z	0	%50
30	MP2	Z	0	%50
31	MP3	Z	0	%50
32	MP4	Z	0	%50
33	MP5	Z	0	%50
34	MP6	Z	0	%50
35	MP7	Z	0	%50
36	MP8	Z	0	%50
37	MP9	Z	0	%50
38	MP10	Z	0	%50
39	MP11	Z	0	%50
40	MP12	Z	0	%50
41	MP13	Z	0	%50
42	MP11	Z	0	%78
43	MP2	Z	0	%76
44	MP4	Z	0	%78
45	MP11	Z	0	%78
46	MP12	Z	0	%78
47	MP5	Z	0	%75
48	MP7	Z	0	%76
49	MP12	Z	0	%78
50	MP13	Z	0	%78
51	MP8	Z	0	%75
52	MP10	Z	0	%76
53	MP13	Z	0	%78
54	MP11	Z	0	%12
55	MP12	Z	0	%12
56	MP13	Z	0	%12

Member Point Loads (BLC 3 : Wind Load (30 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	70	%50
2	MP2	X	39.6	%50
3	MP3	X	50.2	%50
4	MP4	X	38.1	%50
5	MP5	X	70	%50
6	MP6	X	70.1	%50
7	MP7	X	70	%50
8	MP8	X	39.3	%50
9	MP9	X	50.2	%50
10	MP10	X	37.3	%50
11	MP11	X	44.6	%50
12	MP12	X	39.1	%50
13	MP13	X	39.1	%50
14	MP11	X	62.7	%78
15	MP2	X	48.1	%76
16	MP4	X	56	%78
17	MP11	X	0	%78
18	MP12	X	44.8	%78
19	MP5	X	41.5	%75
20	MP7	X	43	%76
21	MP12	X	38.8	%78
22	MP13	X	44.8	%78
23	MP8	X	48.1	%75
24	MP10	X	56	%76
25	MP13	X	38.8	%78
26	MP11	X	28.2	%12
27	MP12	X	54.8	%12
28	MP13	X	54.8	%12
29	MP1	Z	40.4	%50
30	MP2	Z	22.9	%50
31	MP3	Z	29	%50
32	MP4	Z	22	%50
33	MP5	Z	40.4	%50
34	MP6	Z	40.4	%50
35	MP7	Z	40.4	%50
36	MP8	Z	22.7	%50
37	MP9	Z	29	%50
38	MP10	Z	21.6	%50
39	MP11	Z	25.8	%50
40	MP12	Z	22.6	%50
41	MP13	Z	22.6	%50
42	MP11	Z	36.2	%78
43	MP2	Z	27.7	%76
44	MP4	Z	32.3	%78
45	MP11	Z	0	%78
46	MP12	Z	25.9	%78
47	MP5	Z	24	%75
48	MP7	Z	24.8	%76
49	MP12	Z	22.4	%78
50	MP13	Z	25.9	%78
51	MP8	Z	27.7	%75
52	MP10	Z	32.3	%76
53	MP13	Z	22.4	%78
54	MP11	Z	16.3	%12
55	MP12	Z	31.6	%12
56	MP13	Z	31.6	%12

Member Point Loads (BLC 4 : Wind Load (60 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	40.4	%50
2	MP2	X	34.6	%50
3	MP3	X	36.6	%50
4	MP4	X	34.3	%50
5	MP5	X	34.5	%50
6	MP6	X	36.6	%50
7	MP7	X	34.1	%50
8	MP8	X	16.8	%50
9	MP9	X	25.2	%50
10	MP10	X	15.3	%50
11	MP11	X	24.7	%50
12	MP12	X	21.5	%50
13	MP13	X	24.7	%50
14	MP11	X	32.7	%78
15	MP2	X	25.2	%76
16	MP4	X	27.3	%78
17	MP11	X	7.5	%78
18	MP12	X	22.4	%78
19	MP5	X	25.2	%75
20	MP7	X	27.3	%76
21	MP12	X	29.9	%78
22	MP13	X	32.7	%78
23	MP8	X	29	%75
24	MP10	X	34.8	%76
25	MP13	X	7.5	%78
26	MP11	X	16.3	%12
27	MP12	X	35.4	%12
28	MP13	X	24	%12
29	MP1	Z	70	%50
30	MP2	Z	59.9	%50
31	MP3	Z	63.4	%50
32	MP4	Z	59.3	%50
33	MP5	Z	59.8	%50
34	MP6	Z	63.4	%50
35	MP7	Z	59.1	%50
36	MP8	Z	29	%50
37	MP9	Z	43.6	%50
38	MP10	Z	26.5	%50
39	MP11	Z	42.8	%50
40	MP12	Z	37.2	%50
41	MP13	Z	42.8	%50
42	MP11	Z	56.7	%78
43	MP2	Z	43.7	%76
44	MP4	Z	47.3	%78
45	MP11	Z	12.9	%78
46	MP12	Z	38.8	%78
47	MP5	Z	43.7	%75
48	MP7	Z	47.3	%76
49	MP12	Z	51.7	%78
50	MP13	Z	56.7	%78
51	MP8	Z	50.2	%75
52	MP10	Z	60.4	%76
53	MP13	Z	12.9	%78
54	MP11	Z	28.2	%12
55	MP12	Z	61.4	%12
56	MP13	Z	41.6	%12

Member Point Loads (BLC 5 : Wind Load (90 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP13	X	0	%50
14	MP11	X	0	%78
15	MP2	X	0	%76
16	MP4	X	0	%78
17	MP11	X	0	%78
18	MP12	X	0	%78
19	MP5	X	0	%75
20	MP7	X	0	%76
21	MP12	X	0	%78
22	MP13	X	0	%78
23	MP8	X	0	%75
24	MP10	X	0	%76
25	MP13	X	0	%78
26	MP11	X	0	%12
27	MP12	X	0	%12
28	MP13	X	0	%12
29	MP1	Z	80.8	%50
30	MP2	Z	80.8	%50
31	MP3	Z	80.9	%50
32	MP4	Z	80.8	%50
33	MP5	Z	45.3	%50
34	MP6	Z	58	%50
35	MP7	Z	43.1	%50
36	MP8	Z	45.3	%50
37	MP9	Z	58	%50
38	MP10	Z	43.1	%50
39	MP11	Z	45.1	%50
40	MP12	Z	45.1	%50
41	MP13	Z	51.6	%50
42	MP11	Z	51.7	%78
43	MP2	Z	47.9	%76
44	MP4	Z	49.6	%78
45	MP11	Z	44.8	%78
46	MP12	Z	51.7	%78
47	MP5	Z	55.5	%75
48	MP7	Z	64.7	%76
49	MP12	Z	44.8	%78
50	MP13	Z	72.4	%78
51	MP8	Z	55.5	%75
52	MP10	Z	64.7	%76
53	MP13	Z	0	%78
54	MP11	Z	32.6	%12
55	MP12	Z	63.3	%12
56	MP13	Z	40.5	%12

Member Point Loads (BLC 6 : Wind Load (120 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-40.4	%50
2	MP2	X	-34.6	%50
3	MP3	X	-36.6	%50
4	MP4	X	-34.3	%50
5	MP5	X	-16.8	%50
6	MP6	X	-25.2	%50
7	MP7	X	-15.3	%50
8	MP8	X	-34.5	%50
9	MP9	X	-36.6	%50
10	MP10	X	-34.1	%50
11	MP11	X	-21.5	%50
12	MP12	X	-24.7	%50
13	MP13	X	-24.7	%50
14	MP11	X	-22.4	%78
15	MP2	X	-25.2	%76
16	MP4	X	-27.3	%78
17	MP11	X	-29.9	%78
18	MP12	X	-32.7	%78
19	MP5	X	-29	%75
20	MP7	X	-34.8	%76
21	MP12	X	-7.5	%78
22	MP13	X	-32.7	%78
23	MP8	X	-25.2	%75
24	MP10	X	-27.3	%76
25	MP13	X	-7.5	%78
26	MP11	X	-16.3	%12
27	MP12	X	-24	%12
28	MP13	X	-24	%12
29	MP1	Z	70	%50
30	MP2	Z	59.9	%50
31	MP3	Z	63.4	%50
32	MP4	Z	59.3	%50
33	MP5	Z	29	%50
34	MP6	Z	43.6	%50
35	MP7	Z	26.5	%50
36	MP8	Z	59.8	%50
37	MP9	Z	63.4	%50
38	MP10	Z	59.1	%50
39	MP11	Z	37.2	%50
40	MP12	Z	42.8	%50
41	MP13	Z	42.8	%50
42	MP11	Z	38.8	%78
43	MP2	Z	43.7	%76
44	MP4	Z	47.3	%78
45	MP11	Z	51.7	%78
46	MP12	Z	56.7	%78
47	MP5	Z	50.2	%75
48	MP7	Z	60.4	%76
49	MP12	Z	12.9	%78
50	MP13	Z	56.7	%78
51	MP8	Z	43.7	%75
52	MP10	Z	47.3	%76
53	MP13	Z	12.9	%78
54	MP11	Z	28.2	%12
55	MP12	Z	41.6	%12
56	MP13	Z	41.6	%12

Member Point Loads (BLC 7 : Wind Load (150 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-70	%50
2	MP2	X	-39.6	%50
3	MP3	X	-50.2	%50
4	MP4	X	-38.1	%50
5	MP5	X	-39.3	%50
6	MP6	X	-50.2	%50
7	MP7	X	-37.3	%50
8	MP8	X	-70	%50
9	MP9	X	-70.1	%50
10	MP10	X	-70	%50
11	MP11	X	-39.1	%50
12	MP12	X	-44.6	%50
13	MP13	X	-39.1	%50
14	MP11	X	-44.8	%78
15	MP2	X	-48.1	%76
16	MP4	X	-56	%78
17	MP11	X	-38.8	%78
18	MP12	X	-62.7	%78
19	MP5	X	-48.1	%75
20	MP7	X	-56	%76
21	MP12	X	0	%78
22	MP13	X	-44.8	%78
23	MP8	X	-41.5	%75
24	MP10	X	-43	%76
25	MP13	X	-38.8	%78
26	MP11	X	-28.2	%12
27	MP12	X	-35.1	%12
28	MP13	X	-54.8	%12
29	MP1	Z	40.4	%50
30	MP2	Z	22.9	%50
31	MP3	Z	29	%50
32	MP4	Z	22	%50
33	MP5	Z	22.7	%50
34	MP6	Z	29	%50
35	MP7	Z	21.6	%50
36	MP8	Z	40.4	%50
37	MP9	Z	40.4	%50
38	MP10	Z	40.4	%50
39	MP11	Z	22.6	%50
40	MP12	Z	25.8	%50
41	MP13	Z	22.6	%50
42	MP11	Z	25.9	%78
43	MP2	Z	27.7	%76
44	MP4	Z	32.3	%78
45	MP11	Z	22.4	%78
46	MP12	Z	36.2	%78
47	MP5	Z	27.7	%75
48	MP7	Z	32.3	%76
49	MP12	Z	0	%78
50	MP13	Z	25.9	%78
51	MP8	Z	24	%75
52	MP10	Z	24.8	%76
53	MP13	Z	22.4	%78
54	MP11	Z	16.3	%12
55	MP12	Z	20.3	%12
56	MP13	Z	31.6	%12

Member Point Loads (BLC 8 : Wind Load (180 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-80.8	%50
2	MP2	X	-34.1	%50
3	MP3	X	-50.4	%50
4	MP4	X	-31.7	%50
5	MP5	X	-69	%50
6	MP6	X	-73.3	%50
7	MP7	X	-68.2	%50
8	MP8	X	-69	%50
9	MP9	X	-73.3	%50
10	MP10	X	-68.2	%50
11	MP11	X	-49.4	%50
12	MP12	X	-49.4	%50
13	MP13	X	-43	%50
14	MP11	X	-65.5	%78
15	MP2	X	-58	%76
16	MP4	X	-69.7	%78
17	MP11	X	-14.9	%78
18	MP12	X	-65.5	%78
19	MP5	X	-50.4	%75
20	MP7	X	-54.6	%76
21	MP12	X	-14.9	%78
22	MP13	X	-44.8	%78
23	MP8	X	-50.4	%75
24	MP10	X	-54.6	%76
25	MP13	X	-59.7	%78
26	MP11	X	-32.6	%12
27	MP12	X	-48.1	%12
28	MP13	X	-70.8	%12
29	MP1	Z	0	%50
30	MP2	Z	0	%50
31	MP3	Z	0	%50
32	MP4	Z	0	%50
33	MP5	Z	0	%50
34	MP6	Z	0	%50
35	MP7	Z	0	%50
36	MP8	Z	0	%50
37	MP9	Z	0	%50
38	MP10	Z	0	%50
39	MP11	Z	0	%50
40	MP12	Z	0	%50
41	MP13	Z	0	%50
42	MP11	Z	0	%78
43	MP2	Z	0	%76
44	MP4	Z	0	%78
45	MP11	Z	0	%78
46	MP12	Z	0	%78
47	MP5	Z	0	%75
48	MP7	Z	0	%76
49	MP12	Z	0	%78
50	MP13	Z	0	%78
51	MP8	Z	0	%75
52	MP10	Z	0	%76
53	MP13	Z	0	%78
54	MP11	Z	0	%12
55	MP12	Z	0	%12
56	MP13	Z	0	%12

Member Point Loads (BLC 9 : Wind Load (210 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-70	%50
2	MP2	X	-39.6	%50
3	MP3	X	-50.2	%50
4	MP4	X	-38.1	%50
5	MP5	X	-70	%50
6	MP6	X	-70.1	%50
7	MP7	X	-70	%50
8	MP8	X	-39.3	%50
9	MP9	X	-50.2	%50
10	MP10	X	-37.3	%50
11	MP11	X	-44.6	%50
12	MP12	X	-39.1	%50
13	MP13	X	-39.1	%50
14	MP11	X	-62.7	%78
15	MP2	X	-48.1	%76
16	MP4	X	-56	%78
17	MP11	X	0	%78
18	MP12	X	-44.8	%78
19	MP5	X	-41.5	%75
20	MP7	X	-43	%76
21	MP12	X	-38.8	%78
22	MP13	X	-44.8	%78
23	MP8	X	-48.1	%75
24	MP10	X	-56	%76
25	MP13	X	-38.8	%78
26	MP11	X	-28.2	%12
27	MP12	X	-54.8	%12
28	MP13	X	-54.8	%12
29	MP1	Z	-40.4	%50
30	MP2	Z	-22.9	%50
31	MP3	Z	-29	%50
32	MP4	Z	-22	%50
33	MP5	Z	-40.4	%50
34	MP6	Z	-40.4	%50
35	MP7	Z	-40.4	%50
36	MP8	Z	-22.7	%50
37	MP9	Z	-29	%50
38	MP10	Z	-21.6	%50
39	MP11	Z	-25.8	%50
40	MP12	Z	-22.6	%50
41	MP13	Z	-22.6	%50
42	MP11	Z	-36.2	%78
43	MP2	Z	-27.7	%76
44	MP4	Z	-32.3	%78
45	MP11	Z	0	%78
46	MP12	Z	-25.9	%78
47	MP5	Z	-24	%75
48	MP7	Z	-24.8	%76
49	MP12	Z	-22.4	%78
50	MP13	Z	-25.9	%78
51	MP8	Z	-27.7	%75
52	MP10	Z	-32.3	%76
53	MP13	Z	-22.4	%78
54	MP11	Z	-16.3	%12
55	MP12	Z	-31.6	%12
56	MP13	Z	-31.6	%12

Member Point Loads (BLC 10 : Wind Load (240 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-40.4	%50
2	MP2	X	-34.6	%50
3	MP3	X	-36.6	%50
4	MP4	X	-34.3	%50
5	MP5	X	-34.5	%50
6	MP6	X	-36.6	%50
7	MP7	X	-34.1	%50
8	MP8	X	-16.8	%50
9	MP9	X	-25.2	%50
10	MP10	X	-15.3	%50
11	MP11	X	-24.7	%50
12	MP12	X	-21.5	%50
13	MP13	X	-24.7	%50
14	MP11	X	-32.7	%78
15	MP2	X	-25.2	%76
16	MP4	X	-27.3	%78
17	MP11	X	-7.5	%78
18	MP12	X	-22.4	%78
19	MP5	X	-25.2	%75
20	MP7	X	-27.3	%76
21	MP12	X	-29.9	%78
22	MP13	X	-32.7	%78
23	MP8	X	-29	%75
24	MP10	X	-34.8	%76
25	MP13	X	-7.5	%78
26	MP11	X	-16.3	%12
27	MP12	X	-35.4	%12
28	MP13	X	-24	%12
29	MP1	Z	-70	%50
30	MP2	Z	-59.9	%50
31	MP3	Z	-63.4	%50
32	MP4	Z	-59.3	%50
33	MP5	Z	-59.8	%50
34	MP6	Z	-63.4	%50
35	MP7	Z	-59.1	%50
36	MP8	Z	-29	%50
37	MP9	Z	-43.6	%50
38	MP10	Z	-26.5	%50
39	MP11	Z	-42.8	%50
40	MP12	Z	-37.2	%50
41	MP13	Z	-42.8	%50
42	MP11	Z	-56.7	%78
43	MP2	Z	-43.7	%76
44	MP4	Z	-47.3	%78
45	MP11	Z	-12.9	%78
46	MP12	Z	-38.8	%78
47	MP5	Z	-43.7	%75
48	MP7	Z	-47.3	%76
49	MP12	Z	-51.7	%78
50	MP13	Z	-56.7	%78
51	MP8	Z	-50.2	%75
52	MP10	Z	-60.4	%76
53	MP13	Z	-12.9	%78
54	MP11	Z	-28.2	%12
55	MP12	Z	-61.4	%12
56	MP13	Z	-41.6	%12

Member Point Loads (BLC 11 : Wind Load (270 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP13	X	0	%50
14	MP11	X	0	%78
15	MP2	X	0	%76
16	MP4	X	0	%78
17	MP11	X	0	%78
18	MP12	X	0	%78
19	MP5	X	0	%75
20	MP7	X	0	%76
21	MP12	X	0	%78
22	MP13	X	0	%78
23	MP8	X	0	%75
24	MP10	X	0	%76
25	MP13	X	0	%78
26	MP11	X	0	%12
27	MP12	X	0	%12
28	MP13	X	0	%12
29	MP1	Z	-80.8	%50
30	MP2	Z	-80.8	%50
31	MP3	Z	-80.9	%50
32	MP4	Z	-80.8	%50
33	MP5	Z	-45.3	%50
34	MP6	Z	-58	%50
35	MP7	Z	-43.1	%50
36	MP8	Z	-45.3	%50
37	MP9	Z	-58	%50
38	MP10	Z	-43.1	%50
39	MP11	Z	-45.1	%50
40	MP12	Z	-45.1	%50
41	MP13	Z	-51.6	%50
42	MP11	Z	-51.7	%78
43	MP2	Z	-47.9	%76
44	MP4	Z	-49.6	%78
45	MP11	Z	-44.8	%78
46	MP12	Z	-51.7	%78
47	MP5	Z	-55.5	%75
48	MP7	Z	-64.7	%76
49	MP12	Z	-44.8	%78
50	MP13	Z	-72.4	%78
51	MP8	Z	-55.5	%75
52	MP10	Z	-64.7	%76
53	MP13	Z	0	%78
54	MP11	Z	-32.6	%12
55	MP12	Z	-63.3	%12
56	MP13	Z	-40.5	%12

Member Point Loads (BLC 12 : Wind Load (300 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	40.4	%50
2	MP2	X	34.6	%50
3	MP3	X	36.6	%50
4	MP4	X	34.3	%50
5	MP5	X	16.8	%50
6	MP6	X	25.2	%50
7	MP7	X	15.3	%50
8	MP8	X	34.5	%50
9	MP9	X	36.6	%50
10	MP10	X	34.1	%50
11	MP11	X	21.5	%50
12	MP12	X	24.7	%50
13	MP13	X	24.7	%50
14	MP11	X	22.4	%78
15	MP2	X	25.2	%76
16	MP4	X	27.3	%78
17	MP11	X	29.9	%78
18	MP12	X	32.7	%78
19	MP5	X	29	%75
20	MP7	X	34.8	%76
21	MP12	X	7.5	%78
22	MP13	X	32.7	%78
23	MP8	X	25.2	%75
24	MP10	X	27.3	%76
25	MP13	X	7.5	%78
26	MP11	X	16.3	%12
27	MP12	X	24	%12
28	MP13	X	24	%12
29	MP1	Z	-70	%50
30	MP2	Z	-59.9	%50
31	MP3	Z	-63.4	%50
32	MP4	Z	-59.3	%50
33	MP5	Z	-29	%50
34	MP6	Z	-43.6	%50
35	MP7	Z	-26.5	%50
36	MP8	Z	-59.8	%50
37	MP9	Z	-63.4	%50
38	MP10	Z	-59.1	%50
39	MP11	Z	-37.2	%50
40	MP12	Z	-42.8	%50
41	MP13	Z	-42.8	%50
42	MP11	Z	-38.8	%78
43	MP2	Z	-43.7	%76
44	MP4	Z	-47.3	%78
45	MP11	Z	-51.7	%78
46	MP12	Z	-56.7	%78
47	MP5	Z	-50.2	%75
48	MP7	Z	-60.4	%76
49	MP12	Z	-12.9	%78
50	MP13	Z	-56.7	%78
51	MP8	Z	-43.7	%75
52	MP10	Z	-47.3	%76
53	MP13	Z	-12.9	%78
54	MP11	Z	-28.2	%12
55	MP12	Z	-41.6	%12
56	MP13	Z	-41.6	%12

Member Point Loads (BLC 13 : Wind Load (330 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	70	%50
2	MP2	X	39.6	%50
3	MP3	X	50.2	%50
4	MP4	X	38.1	%50
5	MP5	X	39.3	%50
6	MP6	X	50.2	%50
7	MP7	X	37.3	%50
8	MP8	X	70	%50
9	MP9	X	70.1	%50
10	MP10	X	70	%50
11	MP11	X	39.1	%50
12	MP12	X	44.6	%50
13	MP13	X	39.1	%50
14	MP11	X	44.8	%78
15	MP2	X	48.1	%76
16	MP4	X	56	%78
17	MP11	X	38.8	%78
18	MP12	X	62.7	%78
19	MP5	X	48.1	%75
20	MP7	X	56	%76
21	MP12	X	0	%78
22	MP13	X	44.8	%78
23	MP8	X	41.5	%75
24	MP10	X	43	%76
25	MP13	X	38.8	%78
26	MP11	X	28.2	%12
27	MP12	X	35.1	%12
28	MP13	X	54.8	%12
29	MP1	Z	-40.4	%50
30	MP2	Z	-22.9	%50
31	MP3	Z	-29	%50
32	MP4	Z	-22	%50
33	MP5	Z	-22.7	%50
34	MP6	Z	-29	%50
35	MP7	Z	-21.6	%50
36	MP8	Z	-40.4	%50
37	MP9	Z	-40.4	%50
38	MP10	Z	-40.4	%50
39	MP11	Z	-22.6	%50
40	MP12	Z	-25.8	%50
41	MP13	Z	-22.6	%50
42	MP11	Z	-25.9	%78
43	MP2	Z	-27.7	%76
44	MP4	Z	-32.3	%78
45	MP11	Z	-22.4	%78
46	MP12	Z	-36.2	%78
47	MP5	Z	-27.7	%75
48	MP7	Z	-32.3	%76
49	MP12	Z	0	%78
50	MP13	Z	-25.9	%78
51	MP8	Z	-24	%75
52	MP10	Z	-24.8	%76
53	MP13	Z	-22.4	%78
54	MP11	Z	-16.3	%12
55	MP12	Z	-20.3	%12
56	MP13	Z	-31.6	%12

Member Point Loads (BLC 14 : Ice Load)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	Y	-47.7	%50
2	MP2	Y	-47.7	%50
3	MP3	Y	-47.7	%50
4	MP4	Y	-47.7	%50
5	MP5	Y	-47.7	%50
6	MP6	Y	-47.7	%50
7	MP7	Y	-47.7	%50
8	MP8	Y	-47.7	%50
9	MP9	Y	-47.7	%50
10	MP10	Y	-47.7	%50
11	MP11	Y	-30.2	%50
12	MP12	Y	-30.2	%50
13	MP13	Y	-30.2	%50
14	MP11	Y	-36	%78
15	MP2	Y	-31.8	%76
16	MP4	Y	-36.3	%78
17	MP11	Y	-48.3	%78
18	MP12	Y	-36	%78
19	MP5	Y	-31.8	%75
20	MP7	Y	-36.3	%76
21	MP12	Y	-48.3	%78
22	MP13	Y	-36	%78
23	MP8	Y	-31.8	%75
24	MP10	Y	-36.3	%76
25	MP13	Y	-48.3	%78
26	MP11	Y	-34.1	%12
27	MP12	Y	-71.5	%12
28	MP13	Y	-71.5	%12

Member Point Loads (BLC 15 : Wind on Ice (0 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	26.8	%50
2	MP2	X	11.5	%50
3	MP3	X	16.8	%50
4	MP4	X	10.7	%50
5	MP5	X	22.9	%50
6	MP6	X	24.3	%50
7	MP7	X	22.7	%50
8	MP8	X	22.9	%50
9	MP9	X	24.3	%50
10	MP10	X	22.7	%50
11	MP11	X	14.5	%50
12	MP12	X	14.5	%50
13	MP13	X	14.4	%50
14	MP11	X	12.9	%78
15	MP2	X	10.7	%76
16	MP4	X	12.8	%78
17	MP11	X	5.1	%78
18	MP12	X	12.9	%78
19	MP5	X	10	%75
20	MP7	X	10.8	%76
21	MP12	X	5.1	%78
22	MP13	X	9.2	%78
23	MP8	X	10	%75
24	MP10	X	10.8	%76
25	MP13	X	11.9	%78

Member Point Loads (BLC 15 : Wind on Ice (0 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
26	MP11	X	9.9	%12
27	MP12	X	14	%12
28	MP13	X	19.7	%12
29	MP1	Z	0	%50
30	MP2	Z	0	%50
31	MP3	Z	0	%50
32	MP4	Z	0	%50
33	MP5	Z	0	%50
34	MP6	Z	0	%50
35	MP7	Z	0	%50
36	MP8	Z	0	%50
37	MP9	Z	0	%50
38	MP10	Z	0	%50
39	MP11	Z	0	%50
40	MP12	Z	0	%50
41	MP13	Z	0	%50
42	MP11	Z	0	%78
43	MP2	Z	0	%76
44	MP4	Z	0	%78
45	MP11	Z	0	%78
46	MP12	Z	0	%78
47	MP5	Z	0	%75
48	MP7	Z	0	%76
49	MP12	Z	0	%78
50	MP13	Z	0	%78
51	MP8	Z	0	%75
52	MP10	Z	0	%76
53	MP13	Z	0	%78
54	MP11	Z	0	%12
55	MP12	Z	0	%12
56	MP13	Z	0	%12

Member Point Loads (BLC 16 : Wind on Ice (30 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	23.2	%50
2	MP2	X	13.3	%50
3	MP3	X	16.7	%50
4	MP4	X	12.8	%50
5	MP5	X	23.2	%50
6	MP6	X	23.2	%50
7	MP7	X	23.2	%50
8	MP8	X	13.1	%50
9	MP9	X	16.7	%50
10	MP10	X	12.5	%50
11	MP11	X	12.5	%50
12	MP12	X	12.5	%50
13	MP13	X	12.5	%50
14	MP11	X	12.3	%78
15	MP2	X	9.1	%76
16	MP4	X	10.5	%78
17	MP11	X	2.4	%78
18	MP12	X	9	%78
19	MP5	X	8.4	%75
20	MP7	X	8.8	%76
21	MP12	X	8.4	%78
22	MP13	X	9	%78

Member Point Loads (BLC 16 : Wind on Ice (30 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
23	MP8	X	9.1	%75
24	MP10	X	10.5	%76
25	MP13	X	8.4	%78
26	MP11	X	8.6	%12
27	MP12	X	15.4	%12
28	MP13	X	15.4	%12
29	MP1	Z	13.4	%50
30	MP2	Z	7.7	%50
31	MP3	Z	9.6	%50
32	MP4	Z	7.4	%50
33	MP5	Z	13.4	%50
34	MP6	Z	13.4	%50
35	MP7	Z	13.4	%50
36	MP8	Z	7.6	%50
37	MP9	Z	9.6	%50
38	MP10	Z	7.2	%50
39	MP11	Z	7.2	%50
40	MP12	Z	7.2	%50
41	MP13	Z	7.2	%50
42	MP11	Z	7.1	%78
43	MP2	Z	5.2	%76
44	MP4	Z	6.1	%78
45	MP11	Z	1.4	%78
46	MP12	Z	5.2	%78
47	MP5	Z	4.9	%75
48	MP7	Z	5.1	%76
49	MP12	Z	4.8	%78
50	MP13	Z	5.2	%78
51	MP8	Z	5.2	%75
52	MP10	Z	6.1	%76
53	MP13	Z	4.8	%78
54	MP11	Z	5	%12
55	MP12	Z	8.9	%12
56	MP13	Z	8.9	%12

Member Point Loads (BLC 17 : Wind on Ice (60 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	13.4	%50
2	MP2	X	11.5	%50
3	MP3	X	12.1	%50
4	MP4	X	11.4	%50
5	MP5	X	11.5	%50
6	MP6	X	12.1	%50
7	MP7	X	11.3	%50
8	MP8	X	5.7	%50
9	MP9	X	8.4	%50
10	MP10	X	5.2	%50
11	MP11	X	7.2	%50
12	MP12	X	7.2	%50
13	MP13	X	7.2	%50
14	MP11	X	6.5	%78
15	MP2	X	5	%76
16	MP4	X	5.4	%78
17	MP11	X	2.5	%78
18	MP12	X	4.6	%78
19	MP5	X	5	%75

Member Point Loads (BLC 17 : Wind on Ice (60 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
20	MP7	X	5.4	%76
21	MP12	X	6	%78
22	MP13	X	6.5	%78
23	MP8	X	5.4	%75
24	MP10	X	6.4	%76
25	MP13	X	2.5	%78
26	MP11	X	5	%12
27	MP12	X	9.8	%12
28	MP13	X	7	%12
29	MP1	Z	23.2	%50
30	MP2	Z	19.9	%50
31	MP3	Z	21	%50
32	MP4	Z	19.7	%50
33	MP5	Z	19.8	%50
34	MP6	Z	21	%50
35	MP7	Z	19.6	%50
36	MP8	Z	9.8	%50
37	MP9	Z	14.5	%50
38	MP10	Z	9	%50
39	MP11	Z	12.5	%50
40	MP12	Z	12.5	%50
41	MP13	Z	12.5	%50
42	MP11	Z	11.2	%78
43	MP2	Z	8.7	%76
44	MP4	Z	9.4	%78
45	MP11	Z	4.4	%78
46	MP12	Z	7.9	%78
47	MP5	Z	8.7	%75
48	MP7	Z	9.4	%76
49	MP12	Z	10.3	%78
50	MP13	Z	11.2	%78
51	MP8	Z	9.3	%75
52	MP10	Z	11.1	%76
53	MP13	Z	4.4	%78
54	MP11	Z	8.6	%12
55	MP12	Z	17	%12
56	MP13	Z	12.1	%12

Member Point Loads (BLC 18 : Wind on Ice (90 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP13	X	0	%50
14	MP11	X	0	%78
15	MP2	X	0	%76
16	MP4	X	0	%78

Member Point Loads (BLC 18 : Wind on Ice (90 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
17	MP11	X	0	%78
18	MP12	X	0	%78
19	MP5	X	0	%75
20	MP7	X	0	%76
21	MP12	X	0	%78
22	MP13	X	0	%78
23	MP8	X	0	%75
24	MP10	X	0	%76
25	MP13	X	0	%78
26	MP11	X	0	%12
27	MP12	X	0	%12
28	MP13	X	0	%12
29	MP1	Z	26.8	%50
30	MP2	Z	26.8	%50
31	MP3	Z	26.8	%50
32	MP4	Z	26.8	%50
33	MP5	Z	15.2	%50
34	MP6	Z	19.3	%50
35	MP7	Z	14.5	%50
36	MP8	Z	15.2	%50
37	MP9	Z	19.3	%50
38	MP10	Z	14.5	%50
39	MP11	Z	14.4	%50
40	MP12	Z	14.4	%50
41	MP13	Z	14.5	%50
42	MP11	Z	10.4	%78
43	MP2	Z	9.8	%76
44	MP4	Z	10.1	%78
45	MP11	Z	9.6	%78
46	MP12	Z	10.4	%78
47	MP5	Z	10.5	%75
48	MP7	Z	12.2	%76
49	MP12	Z	9.6	%78
50	MP13	Z	14.2	%78
51	MP8	Z	10.5	%75
52	MP10	Z	12.2	%76
53	MP13	Z	2.8	%78
54	MP11	Z	9.9	%12
55	MP12	Z	17.8	%12
56	MP13	Z	12.1	%12

Member Point Loads (BLC 19 : Wind on Ice (120 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-13.4	%50
2	MP2	X	-11.5	%50
3	MP3	X	-12.1	%50
4	MP4	X	-11.4	%50
5	MP5	X	-5.7	%50
6	MP6	X	-8.4	%50
7	MP7	X	-5.2	%50
8	MP8	X	-11.5	%50
9	MP9	X	-12.1	%50
10	MP10	X	-11.3	%50
11	MP11	X	-7.2	%50
12	MP12	X	-7.2	%50
13	MP13	X	-7.2	%50

Member Point Loads (BLC 19 : Wind on Ice (120 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
14	MP11	X	-4.6	%78
15	MP2	X	-5	%76
16	MP4	X	-5.4	%78
17	MP11	X	-6	%78
18	MP12	X	-6.5	%78
19	MP5	X	-5.4	%75
20	MP7	X	-6.4	%76
21	MP12	X	-2.5	%78
22	MP13	X	-6.5	%78
23	MP8	X	-5	%75
24	MP10	X	-5.4	%76
25	MP13	X	-2.5	%78
26	MP11	X	-4.9	%12
27	MP12	X	-7	%12
28	MP13	X	-7	%12
29	MP1	Z	23.2	%50
30	MP2	Z	19.9	%50
31	MP3	Z	21	%50
32	MP4	Z	19.7	%50
33	MP5	Z	9.8	%50
34	MP6	Z	14.5	%50
35	MP7	Z	9	%50
36	MP8	Z	19.8	%50
37	MP9	Z	21	%50
38	MP10	Z	19.6	%50
39	MP11	Z	12.5	%50
40	MP12	Z	12.5	%50
41	MP13	Z	12.5	%50
42	MP11	Z	7.9	%78
43	MP2	Z	8.7	%76
44	MP4	Z	9.4	%78
45	MP11	Z	10.3	%78
46	MP12	Z	11.2	%78
47	MP5	Z	9.3	%75
48	MP7	Z	11.1	%76
49	MP12	Z	4.4	%78
50	MP13	Z	11.2	%78
51	MP8	Z	8.7	%75
52	MP10	Z	9.4	%76
53	MP13	Z	4.4	%78
54	MP11	Z	8.5	%12
55	MP12	Z	12.1	%12
56	MP13	Z	12.1	%12

Member Point Loads (BLC 20 : Wind on Ice (150 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-23.2	%50
2	MP2	X	-13.3	%50
3	MP3	X	-16.7	%50
4	MP4	X	-12.8	%50
5	MP5	X	-13.1	%50
6	MP6	X	-16.7	%50
7	MP7	X	-12.5	%50
8	MP8	X	-23.2	%50
9	MP9	X	-23.2	%50
10	MP10	X	-23.2	%50

Member Point Loads (BLC 20 : Wind on Ice (150 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
11	MP11	X	-12.5	%50
12	MP12	X	-12.5	%50
13	MP13	X	-12.5	%50
14	MP11	X	-9	%78
15	MP2	X	-9.1	%76
16	MP4	X	-10.5	%78
17	MP11	X	-8.4	%78
18	MP12	X	-12.3	%78
19	MP5	X	-9.1	%75
20	MP7	X	-10.5	%76
21	MP12	X	-2.4	%78
22	MP13	X	-9	%78
23	MP8	X	-8.4	%75
24	MP10	X	-8.8	%76
25	MP13	X	-8.4	%78
26	MP11	X	-8.5	%12
27	MP12	X	-10.5	%12
28	MP13	X	-15.4	%12
29	MP1	Z	13.4	%50
30	MP2	Z	7.7	%50
31	MP3	Z	9.6	%50
32	MP4	Z	7.4	%50
33	MP5	Z	7.6	%50
34	MP6	Z	9.6	%50
35	MP7	Z	7.2	%50
36	MP8	Z	13.4	%50
37	MP9	Z	13.4	%50
38	MP10	Z	13.4	%50
39	MP11	Z	7.2	%50
40	MP12	Z	7.2	%50
41	MP13	Z	7.2	%50
42	MP11	Z	5.2	%78
43	MP2	Z	5.2	%76
44	MP4	Z	6.1	%78
45	MP11	Z	4.8	%78
46	MP12	Z	7.1	%78
47	MP5	Z	5.2	%75
48	MP7	Z	6.1	%76
49	MP12	Z	1.4	%78
50	MP13	Z	5.2	%78
51	MP8	Z	4.9	%75
52	MP10	Z	5.1	%76
53	MP13	Z	4.8	%78
54	MP11	Z	4.9	%12
55	MP12	Z	6	%12
56	MP13	Z	8.9	%12

Member Point Loads (BLC 21 : Wind on Ice (180 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-26.8	%50
2	MP2	X	-11.5	%50
3	MP3	X	-16.8	%50
4	MP4	X	-10.7	%50
5	MP5	X	-22.9	%50
6	MP6	X	-24.3	%50
7	MP7	X	-22.7	%50

Member Point Loads (BLC 21 : Wind on Ice (180 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
8	MP8	X	-22.9	%50
9	MP9	X	-24.3	%50
10	MP10	X	-22.7	%50
11	MP11	X	-14.5	%50
12	MP12	X	-14.5	%50
13	MP13	X	-14.4	%50
14	MP11	X	-12.9	%78
15	MP2	X	-10.7	%76
16	MP4	X	-12.8	%78
17	MP11	X	-5.1	%78
18	MP12	X	-12.9	%78
19	MP5	X	-10	%75
20	MP7	X	-10.8	%76
21	MP12	X	-5.1	%78
22	MP13	X	-9.2	%78
23	MP8	X	-10	%75
24	MP10	X	-10.8	%76
25	MP13	X	-11.9	%78
26	MP11	X	-9.9	%12
27	MP12	X	-14	%12
28	MP13	X	-19.7	%12
29	MP1	Z	0	%50
30	MP2	Z	0	%50
31	MP3	Z	0	%50
32	MP4	Z	0	%50
33	MP5	Z	0	%50
34	MP6	Z	0	%50
35	MP7	Z	0	%50
36	MP8	Z	0	%50
37	MP9	Z	0	%50
38	MP10	Z	0	%50
39	MP11	Z	0	%50
40	MP12	Z	0	%50
41	MP13	Z	0	%50
42	MP11	Z	0	%78
43	MP2	Z	0	%76
44	MP4	Z	0	%78
45	MP11	Z	0	%78
46	MP12	Z	0	%78
47	MP5	Z	0	%75
48	MP7	Z	0	%76
49	MP12	Z	0	%78
50	MP13	Z	0	%78
51	MP8	Z	0	%75
52	MP10	Z	0	%76
53	MP13	Z	0	%78
54	MP11	Z	0	%12
55	MP12	Z	0	%12
56	MP13	Z	0	%12

Member Point Loads (BLC 22 : Wind on Ice (210 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-23.2	%50
2	MP2	X	-13.3	%50
3	MP3	X	-16.7	%50
4	MP4	X	-12.8	%50

Member Point Loads (BLC 22 : Wind on Ice (210 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
5	MP5	X	-23.2	%50
6	MP6	X	-23.2	%50
7	MP7	X	-23.2	%50
8	MP8	X	-13.1	%50
9	MP9	X	-16.7	%50
10	MP10	X	-12.5	%50
11	MP11	X	-12.5	%50
12	MP12	X	-12.5	%50
13	MP13	X	-12.5	%50
14	MP11	X	-12.3	%78
15	MP2	X	-9.1	%76
16	MP4	X	-10.5	%78
17	MP11	X	-2.4	%78
18	MP12	X	-9	%78
19	MP5	X	-8.4	%75
20	MP7	X	-8.8	%76
21	MP12	X	-8.4	%78
22	MP13	X	-9	%78
23	MP8	X	-9.1	%75
24	MP10	X	-10.5	%76
25	MP13	X	-8.4	%78
26	MP11	X	-8.6	%12
27	MP12	X	-15.4	%12
28	MP13	X	-15.4	%12
29	MP1	Z	-13.4	%50
30	MP2	Z	-7.7	%50
31	MP3	Z	-9.6	%50
32	MP4	Z	-7.4	%50
33	MP5	Z	-13.4	%50
34	MP6	Z	-13.4	%50
35	MP7	Z	-13.4	%50
36	MP8	Z	-7.6	%50
37	MP9	Z	-9.6	%50
38	MP10	Z	-7.2	%50
39	MP11	Z	-7.2	%50
40	MP12	Z	-7.2	%50
41	MP13	Z	-7.2	%50
42	MP11	Z	-7.1	%78
43	MP2	Z	-5.2	%76
44	MP4	Z	-6.1	%78
45	MP11	Z	-1.4	%78
46	MP12	Z	-5.2	%78
47	MP5	Z	-4.9	%75
48	MP7	Z	-5.1	%76
49	MP12	Z	-4.8	%78
50	MP13	Z	-5.2	%78
51	MP8	Z	-5.2	%75
52	MP10	Z	-6.1	%76
53	MP13	Z	-4.8	%78
54	MP11	Z	-5	%12
55	MP12	Z	-8.9	%12
56	MP13	Z	-8.9	%12

Member Point Loads (BLC 23 : Wind on Ice (240 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-13.4	%50

Member Point Loads (BLC 23 : Wind on Ice (240 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
2	MP2	X	-11.5	%50
3	MP3	X	-12.1	%50
4	MP4	X	-11.4	%50
5	MP5	X	-11.5	%50
6	MP6	X	-12.1	%50
7	MP7	X	-11.3	%50
8	MP8	X	-5.7	%50
9	MP9	X	-8.4	%50
10	MP10	X	-5.2	%50
11	MP11	X	-7.2	%50
12	MP12	X	-7.2	%50
13	MP13	X	-7.2	%50
14	MP11	X	-6.5	%78
15	MP2	X	-5	%76
16	MP4	X	-5.4	%78
17	MP11	X	-2.5	%78
18	MP12	X	-4.6	%78
19	MP5	X	-5	%75
20	MP7	X	-5.4	%76
21	MP12	X	-6	%78
22	MP13	X	-6.5	%78
23	MP8	X	-5.4	%75
24	MP10	X	-6.4	%76
25	MP13	X	-2.5	%78
26	MP11	X	-5	%12
27	MP12	X	-9.8	%12
28	MP13	X	-7	%12
29	MP1	Z	-23.2	%50
30	MP2	Z	-19.9	%50
31	MP3	Z	-21	%50
32	MP4	Z	-19.7	%50
33	MP5	Z	-19.8	%50
34	MP6	Z	-21	%50
35	MP7	Z	-19.6	%50
36	MP8	Z	-9.8	%50
37	MP9	Z	-14.5	%50
38	MP10	Z	-9	%50
39	MP11	Z	-12.5	%50
40	MP12	Z	-12.5	%50
41	MP13	Z	-12.5	%50
42	MP11	Z	-11.2	%78
43	MP2	Z	-8.7	%76
44	MP4	Z	-9.4	%78
45	MP11	Z	-4.4	%78
46	MP12	Z	-7.9	%78
47	MP5	Z	-8.7	%75
48	MP7	Z	-9.4	%76
49	MP12	Z	-10.3	%78
50	MP13	Z	-11.2	%78
51	MP8	Z	-9.3	%75
52	MP10	Z	-11.1	%76
53	MP13	Z	-4.4	%78
54	MP11	Z	-8.6	%12
55	MP12	Z	-17	%12
56	MP13	Z	-12.1	%12

Member Point Loads (BLC 24 : Wind on Ice (270 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP13	X	0	%50
14	MP11	X	0	%78
15	MP2	X	0	%76
16	MP4	X	0	%78
17	MP11	X	0	%78
18	MP12	X	0	%78
19	MP5	X	0	%75
20	MP7	X	0	%76
21	MP12	X	0	%78
22	MP13	X	0	%78
23	MP8	X	0	%75
24	MP10	X	0	%76
25	MP13	X	0	%78
26	MP11	X	0	%12
27	MP12	X	0	%12
28	MP13	X	0	%12
29	MP1	Z	-26.8	%50
30	MP2	Z	-26.8	%50
31	MP3	Z	-26.8	%50
32	MP4	Z	-26.8	%50
33	MP5	Z	-15.2	%50
34	MP6	Z	-19.3	%50
35	MP7	Z	-14.5	%50
36	MP8	Z	-15.2	%50
37	MP9	Z	-19.3	%50
38	MP10	Z	-14.5	%50
39	MP11	Z	-14.4	%50
40	MP12	Z	-14.4	%50
41	MP13	Z	-14.5	%50
42	MP11	Z	-10.4	%78
43	MP2	Z	-9.8	%76
44	MP4	Z	-10.1	%78
45	MP11	Z	-9.6	%78
46	MP12	Z	-10.4	%78
47	MP5	Z	-10.5	%75
48	MP7	Z	-12.2	%76
49	MP12	Z	-9.6	%78
50	MP13	Z	-14.2	%78
51	MP8	Z	-10.5	%75
52	MP10	Z	-12.2	%76
53	MP13	Z	-2.8	%78
54	MP11	Z	-9.9	%12
55	MP12	Z	-17.8	%12
56	MP13	Z	-12.1	%12

Member Point Loads (BLC 25 : Wind on Ice (300 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	13.4	%50
2	MP2	X	11.5	%50
3	MP3	X	12.1	%50
4	MP4	X	11.4	%50
5	MP5	X	5.7	%50
6	MP6	X	8.4	%50
7	MP7	X	5.2	%50
8	MP8	X	11.5	%50
9	MP9	X	12.1	%50
10	MP10	X	11.3	%50
11	MP11	X	7.2	%50
12	MP12	X	7.2	%50
13	MP13	X	7.2	%50
14	MP11	X	4.6	%78
15	MP2	X	5	%76
16	MP4	X	5.4	%78
17	MP11	X	6	%78
18	MP12	X	6.5	%78
19	MP5	X	5.4	%75
20	MP7	X	6.4	%76
21	MP12	X	2.5	%78
22	MP13	X	6.5	%78
23	MP8	X	5	%75
24	MP10	X	5.4	%76
25	MP13	X	2.5	%78
26	MP11	X	4.9	%12
27	MP12	X	7	%12
28	MP13	X	7	%12
29	MP1	Z	-23.2	%50
30	MP2	Z	-19.9	%50
31	MP3	Z	-21	%50
32	MP4	Z	-19.7	%50
33	MP5	Z	-9.8	%50
34	MP6	Z	-14.5	%50
35	MP7	Z	-9	%50
36	MP8	Z	-19.8	%50
37	MP9	Z	-21	%50
38	MP10	Z	-19.6	%50
39	MP11	Z	-12.5	%50
40	MP12	Z	-12.5	%50
41	MP13	Z	-12.5	%50
42	MP11	Z	-7.9	%78
43	MP2	Z	-8.7	%76
44	MP4	Z	-9.4	%78
45	MP11	Z	-10.3	%78
46	MP12	Z	-11.2	%78
47	MP5	Z	-9.3	%75
48	MP7	Z	-11.1	%76
49	MP12	Z	-4.4	%78
50	MP13	Z	-11.2	%78
51	MP8	Z	-8.7	%75
52	MP10	Z	-9.4	%76
53	MP13	Z	-4.4	%78
54	MP11	Z	-8.5	%12
55	MP12	Z	-12.1	%12
56	MP13	Z	-12.1	%12

Member Point Loads (BLC 26 : Wind on Ice (330 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	23.2	%50
2	MP2	X	13.3	%50
3	MP3	X	16.7	%50
4	MP4	X	12.8	%50
5	MP5	X	13.1	%50
6	MP6	X	16.7	%50
7	MP7	X	12.5	%50
8	MP8	X	23.2	%50
9	MP9	X	23.2	%50
10	MP10	X	23.2	%50
11	MP11	X	12.5	%50
12	MP12	X	12.5	%50
13	MP13	X	12.5	%50
14	MP11	X	9	%78
15	MP2	X	9.1	%76
16	MP4	X	10.5	%78
17	MP11	X	8.4	%78
18	MP12	X	12.3	%78
19	MP5	X	9.1	%75
20	MP7	X	10.5	%76
21	MP12	X	2.4	%78
22	MP13	X	9	%78
23	MP8	X	8.4	%75
24	MP10	X	8.8	%76
25	MP13	X	8.4	%78
26	MP11	X	8.5	%12
27	MP12	X	10.5	%12
28	MP13	X	15.4	%12
29	MP1	Z	-13.4	%50
30	MP2	Z	-7.7	%50
31	MP3	Z	-9.6	%50
32	MP4	Z	-7.4	%50
33	MP5	Z	-7.6	%50
34	MP6	Z	-9.6	%50
35	MP7	Z	-7.2	%50
36	MP8	Z	-13.4	%50
37	MP9	Z	-13.4	%50
38	MP10	Z	-13.4	%50
39	MP11	Z	-7.2	%50
40	MP12	Z	-7.2	%50
41	MP13	Z	-7.2	%50
42	MP11	Z	-5.2	%78
43	MP2	Z	-5.2	%76
44	MP4	Z	-6.1	%78
45	MP11	Z	-4.8	%78
46	MP12	Z	-7.1	%78
47	MP5	Z	-5.2	%75
48	MP7	Z	-6.1	%76
49	MP12	Z	-1.4	%78
50	MP13	Z	-5.2	%78
51	MP8	Z	-4.9	%75
52	MP10	Z	-5.1	%76
53	MP13	Z	-4.8	%78
54	MP11	Z	-4.9	%12
55	MP12	Z	-6	%12
56	MP13	Z	-8.9	%12

Member Point Loads (BLC 27 : Horizontal Seismic, Eh (0))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP13	X	0	%50
14	MP11	X	59.4	%78
15	MP2	X	72	%76
16	MP4	X	71	%78
17	MP11	X	53	%78
18	MP12	X	59.4	%78
19	MP5	X	72	%75
20	MP7	X	71	%76
21	MP12	X	53	%78
22	MP13	X	59.4	%78
23	MP8	X	72	%75
24	MP10	X	71	%76
25	MP13	X	53	%78
26	MP11	X	31.8	%12
27	MP12	X	16	%12
28	MP13	X	16	%12
29	MP1	Z	0	%50
30	MP2	Z	0	%50
31	MP3	Z	0	%50
32	MP4	Z	0	%50
33	MP5	Z	0	%50
34	MP6	Z	0	%50
35	MP7	Z	0	%50
36	MP8	Z	0	%50
37	MP9	Z	0	%50
38	MP10	Z	0	%50
39	MP11	Z	0	%50
40	MP12	Z	0	%50
41	MP13	Z	0	%50
42	MP11	Z	0	%78
43	MP2	Z	0	%76
44	MP4	Z	0	%78
45	MP11	Z	0	%78
46	MP12	Z	0	%78
47	MP5	Z	0	%75
48	MP7	Z	0	%76
49	MP12	Z	0	%78
50	MP13	Z	0	%78
51	MP8	Z	0	%75
52	MP10	Z	0	%76
53	MP13	Z	0	%78
54	MP11	Z	0	%12
55	MP12	Z	0	%12
56	MP13	Z	0	%12

Member Point Loads (BLC 28 : Horizontal Seismic, Eh (30))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP13	X	0	%50
14	MP11	X	51.4	%78
15	MP2	X	62.4	%76
16	MP4	X	61.5	%78
17	MP11	X	45.9	%78
18	MP12	X	51.4	%78
19	MP5	X	62.4	%75
20	MP7	X	61.5	%76
21	MP12	X	45.9	%78
22	MP13	X	51.4	%78
23	MP8	X	62.4	%75
24	MP10	X	61.5	%76
25	MP13	X	45.9	%78
26	MP11	X	27.5	%12
27	MP12	X	13.9	%12
28	MP13	X	13.9	%12
29	MP1	Z	0	%50
30	MP2	Z	0	%50
31	MP3	Z	0	%50
32	MP4	Z	0	%50
33	MP5	Z	0	%50
34	MP6	Z	0	%50
35	MP7	Z	0	%50
36	MP8	Z	0	%50
37	MP9	Z	0	%50
38	MP10	Z	0	%50
39	MP11	Z	0	%50
40	MP12	Z	0	%50
41	MP13	Z	0	%50
42	MP11	Z	29.7	%78
43	MP2	Z	36	%76
44	MP4	Z	35.5	%78
45	MP11	Z	26.5	%78
46	MP12	Z	29.7	%78
47	MP5	Z	36	%75
48	MP7	Z	35.5	%76
49	MP12	Z	26.5	%78
50	MP13	Z	29.7	%78
51	MP8	Z	36	%75
52	MP10	Z	35.5	%76
53	MP13	Z	26.5	%78
54	MP11	Z	15.9	%12
55	MP12	Z	8	%12
56	MP13	Z	8	%12

Member Point Loads (BLC 29 : Horizontal Seismic, Eh (60))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP13	X	0	%50
14	MP11	X	29.7	%78
15	MP2	X	36	%76
16	MP4	X	35.5	%78
17	MP11	X	26.5	%78
18	MP12	X	29.7	%78
19	MP5	X	36	%75
20	MP7	X	35.5	%76
21	MP12	X	26.5	%78
22	MP13	X	29.7	%78
23	MP8	X	36	%75
24	MP10	X	35.5	%76
25	MP13	X	26.5	%78
26	MP11	X	15.9	%12
27	MP12	X	8	%12
28	MP13	X	8	%12
29	MP1	Z	0	%50
30	MP2	Z	0	%50
31	MP3	Z	0	%50
32	MP4	Z	0	%50
33	MP5	Z	0	%50
34	MP6	Z	0	%50
35	MP7	Z	0	%50
36	MP8	Z	0	%50
37	MP9	Z	0	%50
38	MP10	Z	0	%50
39	MP11	Z	0	%50
40	MP12	Z	0	%50
41	MP13	Z	0	%50
42	MP11	Z	51.4	%78
43	MP2	Z	62.4	%76
44	MP4	Z	61.5	%78
45	MP11	Z	45.9	%78
46	MP12	Z	51.4	%78
47	MP5	Z	62.4	%75
48	MP7	Z	61.5	%76
49	MP12	Z	45.9	%78
50	MP13	Z	51.4	%78
51	MP8	Z	62.4	%75
52	MP10	Z	61.5	%76
53	MP13	Z	45.9	%78
54	MP11	Z	27.5	%12
55	MP12	Z	13.9	%12
56	MP13	Z	13.9	%12

Member Point Loads (BLC 30 : Horizontal Seismic, Eh (90))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP13	X	0	%50
14	MP11	X	0	%78
15	MP2	X	0	%76
16	MP4	X	0	%78
17	MP11	X	0	%78
18	MP12	X	0	%78
19	MP5	X	0	%75
20	MP7	X	0	%76
21	MP12	X	0	%78
22	MP13	X	0	%78
23	MP8	X	0	%75
24	MP10	X	0	%76
25	MP13	X	0	%78
26	MP11	X	0	%12
27	MP12	X	0	%12
28	MP13	X	0	%12
29	MP1	Z	0	%50
30	MP2	Z	0	%50
31	MP3	Z	0	%50
32	MP4	Z	0	%50
33	MP5	Z	0	%50
34	MP6	Z	0	%50
35	MP7	Z	0	%50
36	MP8	Z	0	%50
37	MP9	Z	0	%50
38	MP10	Z	0	%50
39	MP11	Z	0	%50
40	MP12	Z	0	%50
41	MP13	Z	0	%50
42	MP11	Z	59.4	%78
43	MP2	Z	72	%76
44	MP4	Z	71	%78
45	MP11	Z	53	%78
46	MP12	Z	59.4	%78
47	MP5	Z	72	%75
48	MP7	Z	71	%76
49	MP12	Z	53	%78
50	MP13	Z	59.4	%78
51	MP8	Z	72	%75
52	MP10	Z	71	%76
53	MP13	Z	53	%78
54	MP11	Z	31.8	%12
55	MP12	Z	16	%12
56	MP13	Z	16	%12

Member Point Loads (BLC 31 : Horizontal Seismic, Eh (120))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP13	X	0	%50
14	MP11	X	-29.7	%78
15	MP2	X	-36	%76
16	MP4	X	-35.5	%78
17	MP11	X	-26.5	%78
18	MP12	X	-29.7	%78
19	MP5	X	-36	%75
20	MP7	X	-35.5	%76
21	MP12	X	-26.5	%78
22	MP13	X	-29.7	%78
23	MP8	X	-36	%75
24	MP10	X	-35.5	%76
25	MP13	X	-26.5	%78
26	MP11	X	-15.9	%12
27	MP12	X	-8	%12
28	MP13	X	-8	%12
29	MP1	Z	0	%50
30	MP2	Z	0	%50
31	MP3	Z	0	%50
32	MP4	Z	0	%50
33	MP5	Z	0	%50
34	MP6	Z	0	%50
35	MP7	Z	0	%50
36	MP8	Z	0	%50
37	MP9	Z	0	%50
38	MP10	Z	0	%50
39	MP11	Z	0	%50
40	MP12	Z	0	%50
41	MP13	Z	0	%50
42	MP11	Z	51.4	%78
43	MP2	Z	62.4	%76
44	MP4	Z	61.5	%78
45	MP11	Z	45.9	%78
46	MP12	Z	51.4	%78
47	MP5	Z	62.4	%75
48	MP7	Z	61.5	%76
49	MP12	Z	45.9	%78
50	MP13	Z	51.4	%78
51	MP8	Z	62.4	%75
52	MP10	Z	61.5	%76
53	MP13	Z	45.9	%78
54	MP11	Z	27.5	%12
55	MP12	Z	13.9	%12
56	MP13	Z	13.9	%12

Member Point Loads (BLC 32 : Horizontal Seismic, Eh (150))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP13	X	0	%50
14	MP11	X	-51.4	%78
15	MP2	X	-62.4	%76
16	MP4	X	-61.5	%78
17	MP11	X	-45.9	%78
18	MP12	X	-51.4	%78
19	MP5	X	-62.4	%75
20	MP7	X	-61.5	%76
21	MP12	X	-45.9	%78
22	MP13	X	-51.4	%78
23	MP8	X	-62.4	%75
24	MP10	X	-61.5	%76
25	MP13	X	-45.9	%78
26	MP11	X	-27.5	%12
27	MP12	X	-13.9	%12
28	MP13	X	-13.9	%12
29	MP1	Z	0	%50
30	MP2	Z	0	%50
31	MP3	Z	0	%50
32	MP4	Z	0	%50
33	MP5	Z	0	%50
34	MP6	Z	0	%50
35	MP7	Z	0	%50
36	MP8	Z	0	%50
37	MP9	Z	0	%50
38	MP10	Z	0	%50
39	MP11	Z	0	%50
40	MP12	Z	0	%50
41	MP13	Z	0	%50
42	MP11	Z	29.7	%78
43	MP2	Z	36	%76
44	MP4	Z	35.5	%78
45	MP11	Z	26.5	%78
46	MP12	Z	29.7	%78
47	MP5	Z	36	%75
48	MP7	Z	35.5	%76
49	MP12	Z	26.5	%78
50	MP13	Z	29.7	%78
51	MP8	Z	36	%75
52	MP10	Z	35.5	%76
53	MP13	Z	26.5	%78
54	MP11	Z	15.9	%12
55	MP12	Z	8	%12
56	MP13	Z	8	%12

Member Point Loads (BLC 33 : Horizontal Seismic, Eh (180))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP13	X	0	%50
14	MP11	X	-59.4	%78
15	MP2	X	-72	%76
16	MP4	X	-71	%78
17	MP11	X	-53	%78
18	MP12	X	-59.4	%78
19	MP5	X	-72	%75
20	MP7	X	-71	%76
21	MP12	X	-53	%78
22	MP13	X	-59.4	%78
23	MP8	X	-72	%75
24	MP10	X	-71	%76
25	MP13	X	-53	%78
26	MP11	X	-31.8	%12
27	MP12	X	-16	%12
28	MP13	X	-16	%12
29	MP1	Z	0	%50
30	MP2	Z	0	%50
31	MP3	Z	0	%50
32	MP4	Z	0	%50
33	MP5	Z	0	%50
34	MP6	Z	0	%50
35	MP7	Z	0	%50
36	MP8	Z	0	%50
37	MP9	Z	0	%50
38	MP10	Z	0	%50
39	MP11	Z	0	%50
40	MP12	Z	0	%50
41	MP13	Z	0	%50
42	MP11	Z	0	%78
43	MP2	Z	0	%76
44	MP4	Z	0	%78
45	MP11	Z	0	%78
46	MP12	Z	0	%78
47	MP5	Z	0	%75
48	MP7	Z	0	%76
49	MP12	Z	0	%78
50	MP13	Z	0	%78
51	MP8	Z	0	%75
52	MP10	Z	0	%76
53	MP13	Z	0	%78
54	MP11	Z	0	%12
55	MP12	Z	0	%12
56	MP13	Z	0	%12

Member Point Loads (BLC 34 : Horizontal Seismic, Eh (210))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP13	X	0	%50
14	MP11	X	-51.4	%78
15	MP2	X	-62.4	%76
16	MP4	X	-61.5	%78
17	MP11	X	-45.9	%78
18	MP12	X	-51.4	%78
19	MP5	X	-62.4	%75
20	MP7	X	-61.5	%76
21	MP12	X	-45.9	%78
22	MP13	X	-51.4	%78
23	MP8	X	-62.4	%75
24	MP10	X	-61.5	%76
25	MP13	X	-45.9	%78
26	MP11	X	-27.5	%12
27	MP12	X	-13.9	%12
28	MP13	X	-13.9	%12
29	MP1	Z	0	%50
30	MP2	Z	0	%50
31	MP3	Z	0	%50
32	MP4	Z	0	%50
33	MP5	Z	0	%50
34	MP6	Z	0	%50
35	MP7	Z	0	%50
36	MP8	Z	0	%50
37	MP9	Z	0	%50
38	MP10	Z	0	%50
39	MP11	Z	0	%50
40	MP12	Z	0	%50
41	MP13	Z	0	%50
42	MP11	Z	-29.7	%78
43	MP2	Z	-36	%76
44	MP4	Z	-35.5	%78
45	MP11	Z	-26.5	%78
46	MP12	Z	-29.7	%78
47	MP5	Z	-36	%75
48	MP7	Z	-35.5	%76
49	MP12	Z	-26.5	%78
50	MP13	Z	-29.7	%78
51	MP8	Z	-36	%75
52	MP10	Z	-35.5	%76
53	MP13	Z	-26.5	%78
54	MP11	Z	-15.9	%12
55	MP12	Z	-8	%12
56	MP13	Z	-8	%12

Member Point Loads (BLC 35 : Horizontal Seismic, Eh (240))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP13	X	0	%50
14	MP11	X	-29.7	%78
15	MP2	X	-36	%76
16	MP4	X	-35.5	%78
17	MP11	X	-26.5	%78
18	MP12	X	-29.7	%78
19	MP5	X	-36	%75
20	MP7	X	-35.5	%76
21	MP12	X	-26.5	%78
22	MP13	X	-29.7	%78
23	MP8	X	-36	%75
24	MP10	X	-35.5	%76
25	MP13	X	-26.5	%78
26	MP11	X	-15.9	%12
27	MP12	X	-8	%12
28	MP13	X	-8	%12
29	MP1	Z	0	%50
30	MP2	Z	0	%50
31	MP3	Z	0	%50
32	MP4	Z	0	%50
33	MP5	Z	0	%50
34	MP6	Z	0	%50
35	MP7	Z	0	%50
36	MP8	Z	0	%50
37	MP9	Z	0	%50
38	MP10	Z	0	%50
39	MP11	Z	0	%50
40	MP12	Z	0	%50
41	MP13	Z	0	%50
42	MP11	Z	-51.4	%78
43	MP2	Z	-62.4	%76
44	MP4	Z	-61.5	%78
45	MP11	Z	-45.9	%78
46	MP12	Z	-51.4	%78
47	MP5	Z	-62.4	%75
48	MP7	Z	-61.5	%76
49	MP12	Z	-45.9	%78
50	MP13	Z	-51.4	%78
51	MP8	Z	-62.4	%75
52	MP10	Z	-61.5	%76
53	MP13	Z	-45.9	%78
54	MP11	Z	-27.5	%12
55	MP12	Z	-13.9	%12
56	MP13	Z	-13.9	%12

Member Point Loads (BLC 36 : Horizontal Seismic, Eh (270))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP13	X	0	%50
14	MP11	X	0	%78
15	MP2	X	0	%76
16	MP4	X	0	%78
17	MP11	X	0	%78
18	MP12	X	0	%78
19	MP5	X	0	%75
20	MP7	X	0	%76
21	MP12	X	0	%78
22	MP13	X	0	%78
23	MP8	X	0	%75
24	MP10	X	0	%76
25	MP13	X	0	%78
26	MP11	X	0	%12
27	MP12	X	0	%12
28	MP13	X	0	%12
29	MP1	Z	0	%50
30	MP2	Z	0	%50
31	MP3	Z	0	%50
32	MP4	Z	0	%50
33	MP5	Z	0	%50
34	MP6	Z	0	%50
35	MP7	Z	0	%50
36	MP8	Z	0	%50
37	MP9	Z	0	%50
38	MP10	Z	0	%50
39	MP11	Z	0	%50
40	MP12	Z	0	%50
41	MP13	Z	0	%50
42	MP11	Z	-59.4	%78
43	MP2	Z	-72	%76
44	MP4	Z	-71	%78
45	MP11	Z	-53	%78
46	MP12	Z	-59.4	%78
47	MP5	Z	-72	%75
48	MP7	Z	-71	%76
49	MP12	Z	-53	%78
50	MP13	Z	-59.4	%78
51	MP8	Z	-72	%75
52	MP10	Z	-71	%76
53	MP13	Z	-53	%78
54	MP11	Z	-31.8	%12
55	MP12	Z	-16	%12
56	MP13	Z	-16	%12

Member Point Loads (BLC 37 : Horizontal Seismic, Eh (300))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP13	X	0	%50
14	MP11	X	29.7	%78
15	MP2	X	36	%76
16	MP4	X	35.5	%78
17	MP11	X	26.5	%78
18	MP12	X	29.7	%78
19	MP5	X	36	%75
20	MP7	X	35.5	%76
21	MP12	X	26.5	%78
22	MP13	X	29.7	%78
23	MP8	X	36	%75
24	MP10	X	35.5	%76
25	MP13	X	26.5	%78
26	MP11	X	15.9	%12
27	MP12	X	8	%12
28	MP13	X	8	%12
29	MP1	Z	0	%50
30	MP2	Z	0	%50
31	MP3	Z	0	%50
32	MP4	Z	0	%50
33	MP5	Z	0	%50
34	MP6	Z	0	%50
35	MP7	Z	0	%50
36	MP8	Z	0	%50
37	MP9	Z	0	%50
38	MP10	Z	0	%50
39	MP11	Z	0	%50
40	MP12	Z	0	%50
41	MP13	Z	0	%50
42	MP11	Z	-51.4	%78
43	MP2	Z	-62.4	%76
44	MP4	Z	-61.5	%78
45	MP11	Z	-45.9	%78
46	MP12	Z	-51.4	%78
47	MP5	Z	-62.4	%75
48	MP7	Z	-61.5	%76
49	MP12	Z	-45.9	%78
50	MP13	Z	-51.4	%78
51	MP8	Z	-62.4	%75
52	MP10	Z	-61.5	%76
53	MP13	Z	-45.9	%78
54	MP11	Z	-27.5	%12
55	MP12	Z	-13.9	%12
56	MP13	Z	-13.9	%12

Member Point Loads (BLC 38 : Horizontal Seismic, Eh (330))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP13	X	0	%50
14	MP11	X	51.4	%78
15	MP2	X	62.4	%76
16	MP4	X	61.5	%78
17	MP11	X	45.9	%78
18	MP12	X	51.4	%78
19	MP5	X	62.4	%75
20	MP7	X	61.5	%76
21	MP12	X	45.9	%78
22	MP13	X	51.4	%78
23	MP8	X	62.4	%75
24	MP10	X	61.5	%76
25	MP13	X	45.9	%78
26	MP11	X	27.5	%12
27	MP12	X	13.9	%12
28	MP13	X	13.9	%12
29	MP1	Z	0	%50
30	MP2	Z	0	%50
31	MP3	Z	0	%50
32	MP4	Z	0	%50
33	MP5	Z	0	%50
34	MP6	Z	0	%50
35	MP7	Z	0	%50
36	MP8	Z	0	%50
37	MP9	Z	0	%50
38	MP10	Z	0	%50
39	MP11	Z	0	%50
40	MP12	Z	0	%50
41	MP13	Z	0	%50
42	MP11	Z	-29.7	%78
43	MP2	Z	-36	%76
44	MP4	Z	-35.5	%78
45	MP11	Z	-26.5	%78
46	MP12	Z	-29.7	%78
47	MP5	Z	-36	%75
48	MP7	Z	-35.5	%76
49	MP12	Z	-26.5	%78
50	MP13	Z	-29.7	%78
51	MP8	Z	-36	%75
52	MP10	Z	-35.5	%76
53	MP13	Z	-26.5	%78
54	MP11	Z	-15.9	%12
55	MP12	Z	-8	%12
56	MP13	Z	-8	%12

Member Point Loads (BLC 39 : Maintenance Load, Lm (MP1))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	Y	-500	%50

Member Point Loads (BLC 40 : Maintenance Load, Lm (MP2))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	Y	-500	%50

Member Point Loads (BLC 41 : Maintenance Load, Lm (MP3))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP3	Y	-500	%50

Member Point Loads (BLC 42 : Maintenance Load, Lm (MP4))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP4	Y	-500	%50

Member Point Loads (BLC 43 : Maintenance Load, Lm (MP5))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP5	Y	-500	%50

Member Point Loads (BLC 44 : Maintenance Load, Lm (MP6))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP6	Y	-500	%50

Member Point Loads (BLC 45 : Maintenance Load, Lm (MP7))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP7	Y	-500	%50

Member Point Loads (BLC 46 : Maintenance Load, Lm (MP8))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP8	Y	-500	%50

Member Point Loads (BLC 47 : Maintenance Load, Lm (MP9))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP9	Y	-500	%50

Member Point Loads (BLC 48 : Maintenance Load, Lm (MP10))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP10	Y	-500	%50

Member Point Loads (BLC 49 : Maintenance Load, Lm (MP11))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP11	Y	-500	%50

Member Point Loads (BLC 50 : Maintenance Load, Lm (MP12))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP12	Y	-500	%50

Member Point Loads (BLC 51 : Maintenance Load, Lm (MP13))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP13	Y	-500	%50

Member Point Loads (BLC 75 : Maintenance Load, Lv (Pos. 1))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	FM-0	Y	-250	0

Member Point Loads (BLC 76 : Maintenance Load, Lv (Pos. 2))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	FM-0	Y	-250	%50

Member Point Loads (BLC 77 : Maintenance Load, Lv (Pos. 3))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	FM-0	Y	-250	%100

Member Point Loads (BLC 78 : Maintenance Load, Lv (Pos. 4))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	FM-120	Y	-250	0

Member Point Loads (BLC 79 : Maintenance Load, Lv (Pos. 5))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	FM-120	Y	-250	%50

Member Point Loads (BLC 80 : Maintenance Load, Lv (Pos. 6))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	FM-120	Y	-250	%100

Member Point Loads (BLC 81 : Maintenance Load, Lv (Pos. 7))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	FM-240	Y	-250	0

Member Point Loads (BLC 82 : Maintenance Load, Lv (Pos. 8))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	FM-240	Y	-250	%50

Member Point Loads (BLC 83 : Maintenance Load, Lv (Pos. 9))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	FM-240	Y	-250	%100

Member Point Loads (BLC 84 : Maintenance Load, Lv (Pos. 10))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	HORIZ-0	Y	-250	0

Member Point Loads (BLC 85 : Maintenance Load, Lv (Pos. 11))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	HORIZ-0	Y	-250	%50

Member Point Loads (BLC 86 : Maintenance Load, Lv (Pos. 12))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	HORIZ-0	Y	-250	%100

Member Point Loads (BLC 87 : Maintenance Load, Lv (Pos. 13))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	HORIZ-120	Y	-250	0

Member Point Loads (BLC 88 : Maintenance Load, Lv (Pos. 14))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	HORIZ-120	Y	-250	%50

Member Point Loads (BLC 89 : Maintenance Load, Lv (Pos. 15))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	HORIZ-120	Y	-250	%100

Member Point Loads (BLC 90 : Maintenance Load, Lv (Pos. 16))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	HORIZ-240	Y	-250	0

Member Point Loads (BLC 91 : Maintenance Load, Lv (Pos. 17))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	HORIZ-240	Y	-250	%50

Member Point Loads (BLC 92 : Maintenance Load, Lv (Pos. 18))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	HORIZ-240	Y	-250	%100

Member Point Loads (BLC 93 : Maintenance Load, Lv (Pos. 19))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	HR-0	Y	-250	0

Member Point Loads (BLC 94 : Maintenance Load, Lv (Pos. 20))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	HR-0	Y	-250	%50

Member Point Loads (BLC 95 : Maintenance Load, Lv (Pos. 21))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	HR-0	Y	-250	%100

Member Point Loads (BLC 96 : Maintenance Load, Lv (Pos. 22))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	HR-120	Y	-250	0

Member Point Loads (BLC 97 : Maintenance Load, Lv (Pos. 23))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	HR-120	Y	-250	%50

Member Point Loads (BLC 98 : Maintenance Load, Lv (Pos. 24))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	HR-120	Y	-250	%100

Member Point Loads (BLC 99 : Maintenance Load, Lv (Pos. 25))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	HR-240	Y	-250	0

Member Point Loads (BLC 100 : Maintenance Load, Lv (Pos. 26))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	HR-240	Y	-250	%50

Member Point Loads (BLC 101 : Maintenance Load, Lv (Pos. 27))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	HR-240	Y	-250	%100

Member Point Loads (BLC 175 : Antenna Dead Load)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	Y	-41.9	%55.792
2	MP2	Y	-41.9	%96.309
3	MP3	Y	-40.8	%84.499
4	MP3	Y	-40.8	%97.414
5	MP3	Y	-33	%44.025
6	MP3	Y	-33	%58.076
7	MP4	Y	-51.9	%52.258
8	MP4	Y	-51.9	%97.414
9	MP5	Y	-41.9	%54.93
10	MP5	Y	-41.9	%95.447
11	MP6	Y	-40.8	%84.499
12	MP6	Y	-40.8	%97.414
13	MP6	Y	-33	%44.025
14	MP6	Y	-33	%58.076
15	MP7	Y	-51.9	%50.533
16	MP7	Y	-51.9	%97.414
17	MP8	Y	-41.9	%54.93
18	MP8	Y	-41.9	%95.447
19	MP9	Y	-40.8	%84.499
20	MP9	Y	-40.8	%97.414
21	MP9	Y	-33	%44.025
22	MP9	Y	-33	%58.076
23	MP10	Y	-51.9	%50.533
24	MP10	Y	-51.9	%97.414

Member Point Loads (BLC 176 : Antenna Wind Load (0 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	176.9	%55.792
2	MP2	X	176.9	%96.309
3	MP3	X	116.6	%84.499
4	MP3	X	87.9	%97.414
5	MP3	X	66.9	%44.025
6	MP3	X	66.9	%58.076
7	MP4	X	195.6	%52.258
8	MP4	X	254.2	%97.414
9	MP5	X	98.7	%54.93
10	MP5	X	98.7	%95.447
11	MP6	X	75.8	%84.499
12	MP6	X	57.1	%97.414
13	MP6	X	42.3	%44.025
14	MP6	X	42.3	%58.076
15	MP7	X	133.1	%50.533
16	MP7	X	159	%97.414
17	MP8	X	98.7	%54.93
18	MP8	X	98.7	%95.447
19	MP9	X	75.8	%84.499
20	MP9	X	57.1	%97.414
21	MP9	X	42.3	%44.025
22	MP9	X	42.3	%58.076
23	MP10	X	133.1	%50.533
24	MP10	X	159	%97.414
25	MP2	Z	0	0

Member Point Loads (BLC 176 : Antenna Wind Load (0 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
26	MP2	Z	0	0
27	MP3	Z	0	0
28	MP3	Z	0	0
29	MP3	Z	0	0
30	MP3	Z	0	0
31	MP4	Z	0	0
32	MP4	Z	0	0
33	MP5	Z	0	0
34	MP5	Z	0	0
35	MP6	Z	0	0
36	MP6	Z	0	0
37	MP6	Z	0	0
38	MP6	Z	0	0
39	MP7	Z	0	0
40	MP7	Z	0	0
41	MP8	Z	0	0
42	MP8	Z	0	0
43	MP9	Z	0	0
44	MP9	Z	0	0
45	MP9	Z	0	0
46	MP9	Z	0	0
47	MP10	Z	0	0
48	MP10	Z	0	0

Member Point Loads (BLC 177 : Antenna Wind Load (30 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	130.6	%55.792
2	MP2	X	130.6	%96.309
3	MP3	X	89.2	%84.499
4	MP3	X	67.3	%97.414
5	MP3	X	50.8	%44.025
6	MP3	X	50.8	%58.076
7	MP4	X	149.6	%52.258
8	MP4	X	194.4	%97.414
9	MP5	X	62.9	%54.93
10	MP5	X	62.9	%95.447
11	MP6	X	53.8	%84.499
12	MP6	X	40.6	%97.414
13	MP6	X	29.6	%44.025
14	MP6	X	29.6	%58.076
15	MP7	X	94.6	%50.533
16	MP7	X	112.9	%97.414
17	MP8	X	130.6	%54.93
18	MP8	X	130.6	%95.447
19	MP9	X	89.2	%84.499
20	MP9	X	67.3	%97.414
21	MP9	X	50.8	%44.025
22	MP9	X	50.8	%58.076
23	MP10	X	156.8	%50.533
24	MP10	X	187.3	%97.414
25	MP2	Z	75.4	%55.792
26	MP2	Z	75.4	%96.309
27	MP3	Z	51.5	%84.499
28	MP3	Z	38.8	%97.414
29	MP3	Z	29.4	%44.025
30	MP3	Z	29.4	%58.076

Member Point Loads (BLC 177 : Antenna Wind Load (30 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
31	MP4	Z	86.4	%52.258
32	MP4	Z	112.3	%97.414
33	MP5	Z	36.3	%54.93
34	MP5	Z	36.3	%95.447
35	MP6	Z	31.1	%84.499
36	MP6	Z	23.4	%97.414
37	MP6	Z	17.1	%44.025
38	MP6	Z	17.1	%58.076
39	MP7	Z	54.6	%50.533
40	MP7	Z	65.2	%97.414
41	MP8	Z	75.4	%54.93
42	MP8	Z	75.4	%95.447
43	MP9	Z	51.5	%84.499
44	MP9	Z	38.8	%97.414
45	MP9	Z	29.4	%44.025
46	MP9	Z	29.4	%58.076
47	MP10	Z	90.5	%50.533
48	MP10	Z	108.1	%97.414

Member Point Loads (BLC 178 : Antenna Wind Load (60 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	49.4	%55.792
2	MP2	X	49.4	%96.309
3	MP3	X	37.9	%84.499
4	MP3	X	28.6	%97.414
5	MP3	X	21.2	%44.025
6	MP3	X	21.2	%58.076
7	MP4	X	63.5	%52.258
8	MP4	X	82.5	%97.414
9	MP5	X	49.4	%54.93
10	MP5	X	49.4	%95.447
11	MP6	X	37.9	%84.499
12	MP6	X	28.6	%97.414
13	MP6	X	21.2	%44.025
14	MP6	X	21.2	%58.076
15	MP7	X	66.6	%50.533
16	MP7	X	79.5	%97.414
17	MP8	X	88.5	%54.93
18	MP8	X	88.5	%95.447
19	MP9	X	58.3	%84.499
20	MP9	X	44	%97.414
21	MP9	X	33.5	%44.025
22	MP9	X	33.5	%58.076
23	MP10	X	102.5	%50.533
24	MP10	X	122.4	%97.414
25	MP2	Z	85.5	%55.792
26	MP2	Z	85.5	%96.309
27	MP3	Z	65.6	%84.499
28	MP3	Z	49.5	%97.414
29	MP3	Z	36.7	%44.025
30	MP3	Z	36.7	%58.076
31	MP4	Z	110	%52.258
32	MP4	Z	143	%97.414
33	MP5	Z	85.5	%54.93
34	MP5	Z	85.5	%95.447
35	MP6	Z	65.6	%84.499

Member Point Loads (BLC 178 : Antenna Wind Load (60 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
36	MP6	Z	49.5	%97.414
37	MP6	Z	36.7	%44.025
38	MP6	Z	36.7	%58.076
39	MP7	Z	115.3	%50.533
40	MP7	Z	137.7	%97.414
41	MP8	Z	153.2	%54.93
42	MP8	Z	153.2	%95.447
43	MP9	Z	101	%84.499
44	MP9	Z	76.1	%97.414
45	MP9	Z	57.9	%44.025
46	MP9	Z	57.9	%58.076
47	MP10	Z	177.5	%50.533
48	MP10	Z	212.1	%97.414

Member Point Loads (BLC 179 : Antenna Wind Load (90 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	0	0
2	MP2	X	0	0
3	MP3	X	0	0
4	MP3	X	0	0
5	MP3	X	0	0
6	MP3	X	0	0
7	MP4	X	0	0
8	MP4	X	0	0
9	MP5	X	0	0
10	MP5	X	0	0
11	MP6	X	0	0
12	MP6	X	0	0
13	MP6	X	0	0
14	MP6	X	0	0
15	MP7	X	0	0
16	MP7	X	0	0
17	MP8	X	0	0
18	MP8	X	0	0
19	MP9	X	0	0
20	MP9	X	0	0
21	MP9	X	0	0
22	MP9	X	0	0
23	MP10	X	0	0
24	MP10	X	0	0
25	MP2	Z	72.6	%55.792
26	MP2	Z	72.6	%96.309
27	MP3	Z	62.2	%84.499
28	MP3	Z	46.9	%97.414
29	MP3	Z	34.1	%44.025
30	MP3	Z	34.1	%58.076
31	MP4	Z	104.2	%52.258
32	MP4	Z	135.4	%97.414
33	MP5	Z	150.9	%54.93
34	MP5	Z	150.9	%95.447
35	MP6	Z	103	%84.499
36	MP6	Z	77.7	%97.414
37	MP6	Z	58.7	%44.025
38	MP6	Z	58.7	%58.076
39	MP7	Z	181	%50.533
40	MP7	Z	216.2	%97.414

Member Point Loads (BLC 179 : Antenna Wind Load (90 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
41	MP8	Z	150.9	%54.93
42	MP8	Z	150.9	%95.447
43	MP9	Z	103	%84.499
44	MP9	Z	77.7	%97.414
45	MP9	Z	58.7	%44.025
46	MP9	Z	58.7	%58.076
47	MP10	Z	181	%50.533
48	MP10	Z	216.2	%97.414

Member Point Loads (BLC 180 : Antenna Wind Load (120 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	-49.4	%55.792
2	MP2	X	-49.4	%96.309
3	MP3	X	-37.9	%84.499
4	MP3	X	-28.6	%97.414
5	MP3	X	-21.2	%44.025
6	MP3	X	-21.2	%58.076
7	MP4	X	-63.5	%52.258
8	MP4	X	-82.5	%97.414
9	MP5	X	-88.5	%54.93
10	MP5	X	-88.5	%95.447
11	MP6	X	-58.3	%84.499
12	MP6	X	-44	%97.414
13	MP6	X	-33.5	%44.025
14	MP6	X	-33.5	%58.076
15	MP7	X	-102.5	%50.533
16	MP7	X	-122.4	%97.414
17	MP8	X	-49.4	%54.93
18	MP8	X	-49.4	%95.447
19	MP9	X	-37.9	%84.499
20	MP9	X	-28.6	%97.414
21	MP9	X	-21.2	%44.025
22	MP9	X	-21.2	%58.076
23	MP10	X	-66.6	%50.533
24	MP10	X	-79.5	%97.414
25	MP2	Z	85.5	%55.792
26	MP2	Z	85.5	%96.309
27	MP3	Z	65.6	%84.499
28	MP3	Z	49.5	%97.414
29	MP3	Z	36.7	%44.025
30	MP3	Z	36.7	%58.076
31	MP4	Z	110	%52.258
32	MP4	Z	143	%97.414
33	MP5	Z	153.2	%54.93
34	MP5	Z	153.2	%95.447
35	MP6	Z	101	%84.499
36	MP6	Z	76.1	%97.414
37	MP6	Z	57.9	%44.025
38	MP6	Z	57.9	%58.076
39	MP7	Z	177.5	%50.533
40	MP7	Z	212.1	%97.414
41	MP8	Z	85.5	%54.93
42	MP8	Z	85.5	%95.447
43	MP9	Z	65.6	%84.499
44	MP9	Z	49.5	%97.414
45	MP9	Z	36.7	%44.025

Member Point Loads (BLC 180 : Antenna Wind Load (120 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
46	MP9	Z	36.7	%58.076
47	MP10	Z	115.3	%50.533
48	MP10	Z	137.7	%97.414

Member Point Loads (BLC 181 : Antenna Wind Load (150 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	-130.6	%55.792
2	MP2	X	-130.6	%96.309
3	MP3	X	-89.2	%84.499
4	MP3	X	-67.3	%97.414
5	MP3	X	-50.8	%44.025
6	MP3	X	-50.8	%58.076
7	MP4	X	-149.6	%52.258
8	MP4	X	-194.4	%97.414
9	MP5	X	-130.6	%54.93
10	MP5	X	-130.6	%95.447
11	MP6	X	-89.2	%84.499
12	MP6	X	-67.3	%97.414
13	MP6	X	-50.8	%44.025
14	MP6	X	-50.8	%58.076
15	MP7	X	-156.8	%50.533
16	MP7	X	-187.3	%97.414
17	MP8	X	-62.9	%54.93
18	MP8	X	-62.9	%95.447
19	MP9	X	-53.8	%84.499
20	MP9	X	-40.6	%97.414
21	MP9	X	-29.6	%44.025
22	MP9	X	-29.6	%58.076
23	MP10	X	-94.6	%50.533
24	MP10	X	-112.9	%97.414
25	MP2	Z	75.4	%55.792
26	MP2	Z	75.4	%96.309
27	MP3	Z	51.5	%84.499
28	MP3	Z	38.8	%97.414
29	MP3	Z	29.4	%44.025
30	MP3	Z	29.4	%58.076
31	MP4	Z	86.4	%52.258
32	MP4	Z	112.3	%97.414
33	MP5	Z	75.4	%54.93
34	MP5	Z	75.4	%95.447
35	MP6	Z	51.5	%84.499
36	MP6	Z	38.8	%97.414
37	MP6	Z	29.4	%44.025
38	MP6	Z	29.4	%58.076
39	MP7	Z	90.5	%50.533
40	MP7	Z	108.1	%97.414
41	MP8	Z	36.3	%54.93
42	MP8	Z	36.3	%95.447
43	MP9	Z	31.1	%84.499
44	MP9	Z	23.4	%97.414
45	MP9	Z	17.1	%44.025
46	MP9	Z	17.1	%58.076
47	MP10	Z	54.6	%50.533
48	MP10	Z	65.2	%97.414

Member Point Loads (BLC 182 : Antenna Wind Load (180 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	-176.9	%55.792
2	MP2	X	-176.9	%96.309
3	MP3	X	-116.6	%84.499
4	MP3	X	-87.9	%97.414
5	MP3	X	-66.9	%44.025
6	MP3	X	-66.9	%58.076
7	MP4	X	-195.6	%52.258
8	MP4	X	-254.2	%97.414
9	MP5	X	-98.7	%54.93
10	MP5	X	-98.7	%95.447
11	MP6	X	-75.8	%84.499
12	MP6	X	-57.1	%97.414
13	MP6	X	-42.3	%44.025
14	MP6	X	-42.3	%58.076
15	MP7	X	-133.1	%50.533
16	MP7	X	-159	%97.414
17	MP8	X	-98.7	%54.93
18	MP8	X	-98.7	%95.447
19	MP9	X	-75.8	%84.499
20	MP9	X	-57.1	%97.414
21	MP9	X	-42.3	%44.025
22	MP9	X	-42.3	%58.076
23	MP10	X	-133.1	%50.533
24	MP10	X	-159	%97.414
25	MP2	Z	0	0
26	MP2	Z	0	0
27	MP3	Z	0	0
28	MP3	Z	0	0
29	MP3	Z	0	0
30	MP3	Z	0	0
31	MP4	Z	0	0
32	MP4	Z	0	0
33	MP5	Z	0	0
34	MP5	Z	0	0
35	MP6	Z	0	0
36	MP6	Z	0	0
37	MP6	Z	0	0
38	MP6	Z	0	0
39	MP7	Z	0	0
40	MP7	Z	0	0
41	MP8	Z	0	0
42	MP8	Z	0	0
43	MP9	Z	0	0
44	MP9	Z	0	0
45	MP9	Z	0	0
46	MP9	Z	0	0
47	MP10	Z	0	0
48	MP10	Z	0	0

Member Point Loads (BLC 183 : Antenna Wind Load (210 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	-130.6	%55.792
2	MP2	X	-130.6	%96.309
3	MP3	X	-89.2	%84.499
4	MP3	X	-67.3	%97.414
5	MP3	X	-50.8	%44.025

Member Point Loads (BLC 183 : Antenna Wind Load (210 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
6	MP3	X	-50.8	%58.076
7	MP4	X	-149.6	%52.258
8	MP4	X	-194.4	%97.414
9	MP5	X	-62.9	%54.93
10	MP5	X	-62.9	%95.447
11	MP6	X	-53.8	%84.499
12	MP6	X	-40.6	%97.414
13	MP6	X	-29.6	%44.025
14	MP6	X	-29.6	%58.076
15	MP7	X	-94.6	%50.533
16	MP7	X	-112.9	%97.414
17	MP8	X	-130.6	%54.93
18	MP8	X	-130.6	%95.447
19	MP9	X	-89.2	%84.499
20	MP9	X	-67.3	%97.414
21	MP9	X	-50.8	%44.025
22	MP9	X	-50.8	%58.076
23	MP10	X	-156.8	%50.533
24	MP10	X	-187.3	%97.414
25	MP2	Z	-75.4	%55.792
26	MP2	Z	-75.4	%96.309
27	MP3	Z	-51.5	%84.499
28	MP3	Z	-38.8	%97.414
29	MP3	Z	-29.4	%44.025
30	MP3	Z	-29.4	%58.076
31	MP4	Z	-86.4	%52.258
32	MP4	Z	-112.3	%97.414
33	MP5	Z	-36.3	%54.93
34	MP5	Z	-36.3	%95.447
35	MP6	Z	-31.1	%84.499
36	MP6	Z	-23.4	%97.414
37	MP6	Z	-17.1	%44.025
38	MP6	Z	-17.1	%58.076
39	MP7	Z	-54.6	%50.533
40	MP7	Z	-65.2	%97.414
41	MP8	Z	-75.4	%54.93
42	MP8	Z	-75.4	%95.447
43	MP9	Z	-51.5	%84.499
44	MP9	Z	-38.8	%97.414
45	MP9	Z	-29.4	%44.025
46	MP9	Z	-29.4	%58.076
47	MP10	Z	-90.5	%50.533
48	MP10	Z	-108.1	%97.414

Member Point Loads (BLC 184 : Antenna Wind Load (240 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	-49.4	%55.792
2	MP2	X	-49.4	%96.309
3	MP3	X	-37.9	%84.499
4	MP3	X	-28.6	%97.414
5	MP3	X	-21.2	%44.025
6	MP3	X	-21.2	%58.076
7	MP4	X	-63.5	%52.258
8	MP4	X	-82.5	%97.414
9	MP5	X	-49.4	%54.93
10	MP5	X	-49.4	%95.447

Member Point Loads (BLC 184 : Antenna Wind Load (240 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
11	MP6	X	-37.9	%84.499
12	MP6	X	-28.6	%97.414
13	MP6	X	-21.2	%44.025
14	MP6	X	-21.2	%58.076
15	MP7	X	-66.6	%50.533
16	MP7	X	-79.5	%97.414
17	MP8	X	-88.5	%54.93
18	MP8	X	-88.5	%95.447
19	MP9	X	-58.3	%84.499
20	MP9	X	-44	%97.414
21	MP9	X	-33.5	%44.025
22	MP9	X	-33.5	%58.076
23	MP10	X	-102.5	%50.533
24	MP10	X	-122.4	%97.414
25	MP2	Z	-85.5	%55.792
26	MP2	Z	-85.5	%96.309
27	MP3	Z	-65.6	%84.499
28	MP3	Z	-49.5	%97.414
29	MP3	Z	-36.7	%44.025
30	MP3	Z	-36.7	%58.076
31	MP4	Z	-110	%52.258
32	MP4	Z	-143	%97.414
33	MP5	Z	-85.5	%54.93
34	MP5	Z	-85.5	%95.447
35	MP6	Z	-65.6	%84.499
36	MP6	Z	-49.5	%97.414
37	MP6	Z	-36.7	%44.025
38	MP6	Z	-36.7	%58.076
39	MP7	Z	-115.3	%50.533
40	MP7	Z	-137.7	%97.414
41	MP8	Z	-153.2	%54.93
42	MP8	Z	-153.2	%95.447
43	MP9	Z	-101	%84.499
44	MP9	Z	-76.1	%97.414
45	MP9	Z	-57.9	%44.025
46	MP9	Z	-57.9	%58.076
47	MP10	Z	-177.5	%50.533
48	MP10	Z	-212.1	%97.414

Member Point Loads (BLC 185 : Antenna Wind Load (270 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	0	0
2	MP2	X	0	0
3	MP3	X	0	0
4	MP3	X	0	0
5	MP3	X	0	0
6	MP3	X	0	0
7	MP4	X	0	0
8	MP4	X	0	0
9	MP5	X	0	0
10	MP5	X	0	0
11	MP6	X	0	0
12	MP6	X	0	0
13	MP6	X	0	0
14	MP6	X	0	0
15	MP7	X	0	0

Member Point Loads (BLC 185 : Antenna Wind Load (270 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
16	MP7	X	0	0
17	MP8	X	0	0
18	MP8	X	0	0
19	MP9	X	0	0
20	MP9	X	0	0
21	MP9	X	0	0
22	MP9	X	0	0
23	MP10	X	0	0
24	MP10	X	0	0
25	MP2	Z	-72.6	%55.792
26	MP2	Z	-72.6	%96.309
27	MP3	Z	-62.2	%84.499
28	MP3	Z	-46.9	%97.414
29	MP3	Z	-34.1	%44.025
30	MP3	Z	-34.1	%58.076
31	MP4	Z	-104.2	%52.258
32	MP4	Z	-135.4	%97.414
33	MP5	Z	-150.9	%54.93
34	MP5	Z	-150.9	%95.447
35	MP6	Z	-103	%84.499
36	MP6	Z	-77.7	%97.414
37	MP6	Z	-58.7	%44.025
38	MP6	Z	-58.7	%58.076
39	MP7	Z	-181	%50.533
40	MP7	Z	-216.2	%97.414
41	MP8	Z	-150.9	%54.93
42	MP8	Z	-150.9	%95.447
43	MP9	Z	-103	%84.499
44	MP9	Z	-77.7	%97.414
45	MP9	Z	-58.7	%44.025
46	MP9	Z	-58.7	%58.076
47	MP10	Z	-181	%50.533
48	MP10	Z	-216.2	%97.414

Member Point Loads (BLC 186 : Antenna Wind Load (300 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	49.4	%55.792
2	MP2	X	49.4	%96.309
3	MP3	X	37.9	%84.499
4	MP3	X	28.6	%97.414
5	MP3	X	21.2	%44.025
6	MP3	X	21.2	%58.076
7	MP4	X	63.5	%52.258
8	MP4	X	82.5	%97.414
9	MP5	X	88.5	%54.93
10	MP5	X	88.5	%95.447
11	MP6	X	58.3	%84.499
12	MP6	X	44	%97.414
13	MP6	X	33.5	%44.025
14	MP6	X	33.5	%58.076
15	MP7	X	102.5	%50.533
16	MP7	X	122.4	%97.414
17	MP8	X	49.4	%54.93
18	MP8	X	49.4	%95.447
19	MP9	X	37.9	%84.499
20	MP9	X	28.6	%97.414

Member Point Loads (BLC 186 : Antenna Wind Load (300 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
21	MP9	X	21.2	%44.025
22	MP9	X	21.2	%58.076
23	MP10	X	66.6	%50.533
24	MP10	X	79.5	%97.414
25	MP2	Z	-85.5	%55.792
26	MP2	Z	-85.5	%96.309
27	MP3	Z	-65.6	%84.499
28	MP3	Z	-49.5	%97.414
29	MP3	Z	-36.7	%44.025
30	MP3	Z	-36.7	%58.076
31	MP4	Z	-110	%52.258
32	MP4	Z	-143	%97.414
33	MP5	Z	-153.2	%54.93
34	MP5	Z	-153.2	%95.447
35	MP6	Z	-101	%84.499
36	MP6	Z	-76.1	%97.414
37	MP6	Z	-57.9	%44.025
38	MP6	Z	-57.9	%58.076
39	MP7	Z	-177.5	%50.533
40	MP7	Z	-212.1	%97.414
41	MP8	Z	-85.5	%54.93
42	MP8	Z	-85.5	%95.447
43	MP9	Z	-65.6	%84.499
44	MP9	Z	-49.5	%97.414
45	MP9	Z	-36.7	%44.025
46	MP9	Z	-36.7	%58.076
47	MP10	Z	-115.3	%50.533
48	MP10	Z	-137.7	%97.414

Member Point Loads (BLC 187 : Antenna Wind Load (330 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	130.6	%55.792
2	MP2	X	130.6	%96.309
3	MP3	X	89.2	%84.499
4	MP3	X	67.3	%97.414
5	MP3	X	50.8	%44.025
6	MP3	X	50.8	%58.076
7	MP4	X	149.6	%52.258
8	MP4	X	194.4	%97.414
9	MP5	X	130.6	%54.93
10	MP5	X	130.6	%95.447
11	MP6	X	89.2	%84.499
12	MP6	X	67.3	%97.414
13	MP6	X	50.8	%44.025
14	MP6	X	50.8	%58.076
15	MP7	X	156.8	%50.533
16	MP7	X	187.3	%97.414
17	MP8	X	62.9	%54.93
18	MP8	X	62.9	%95.447
19	MP9	X	53.8	%84.499
20	MP9	X	40.6	%97.414
21	MP9	X	29.6	%44.025
22	MP9	X	29.6	%58.076
23	MP10	X	94.6	%50.533
24	MP10	X	112.9	%97.414
25	MP2	Z	-75.4	%55.792

Member Point Loads (BLC 187 : Antenna Wind Load (330 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
26	MP2	Z	-75.4	%96.309
27	MP3	Z	-51.5	%84.499
28	MP3	Z	-38.8	%97.414
29	MP3	Z	-29.4	%44.025
30	MP3	Z	-29.4	%58.076
31	MP4	Z	-86.4	%52.258
32	MP4	Z	-112.3	%97.414
33	MP5	Z	-75.4	%54.93
34	MP5	Z	-75.4	%95.447
35	MP6	Z	-51.5	%84.499
36	MP6	Z	-38.8	%97.414
37	MP6	Z	-29.4	%44.025
38	MP6	Z	-29.4	%58.076
39	MP7	Z	-90.5	%50.533
40	MP7	Z	-108.1	%97.414
41	MP8	Z	-36.3	%54.93
42	MP8	Z	-36.3	%95.447
43	MP9	Z	-31.1	%84.499
44	MP9	Z	-23.4	%97.414
45	MP9	Z	-17.1	%44.025
46	MP9	Z	-17.1	%58.076
47	MP10	Z	-54.6	%50.533
48	MP10	Z	-65.2	%97.414

Member Point Loads (BLC 188 : Antenna Ice Load)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	Y	-77	%55.792
2	MP2	Y	-77	%96.309
3	MP3	Y	-33.8	%84.499
4	MP3	Y	-33.8	%97.414
5	MP3	Y	-31.5	%44.025
6	MP3	Y	-31.5	%58.076
7	MP4	Y	-100	%52.258
8	MP4	Y	-100	%97.414
9	MP5	Y	-77	%54.93
10	MP5	Y	-77	%95.447
11	MP6	Y	-33.8	%84.499
12	MP6	Y	-33.8	%97.414
13	MP6	Y	-31.5	%44.025
14	MP6	Y	-31.5	%58.076
15	MP7	Y	-100	%50.533
16	MP7	Y	-100	%97.414
17	MP8	Y	-77	%54.93
18	MP8	Y	-77	%95.447
19	MP9	Y	-33.8	%84.499
20	MP9	Y	-33.8	%97.414
21	MP9	Y	-31.5	%44.025
22	MP9	Y	-31.5	%58.076
23	MP10	Y	-100	%50.533
24	MP10	Y	-100	%97.414

Member Point Loads (BLC 189 : Antenna Wind on Ice (0 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	31	%55.792
2	MP2	X	31	%96.309
3	MP3	X	21	%84.499

Member Point Loads (BLC 189 : Antenna Wind on Ice (0 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
4	MP3	X	15.8	%97.414
5	MP3	X	12	%44.025
6	MP3	X	12	%58.076
7	MP4	X	34.2	%52.258
8	MP4	X	44.4	%97.414
9	MP5	X	18.2	%54.93
10	MP5	X	18.2	%95.447
11	MP6	X	14.5	%84.499
12	MP6	X	10.9	%97.414
13	MP6	X	8.1	%44.025
14	MP6	X	8.1	%58.076
15	MP7	X	24.1	%50.533
16	MP7	X	28.8	%97.414
17	MP8	X	18.2	%54.93
18	MP8	X	18.2	%95.447
19	MP9	X	14.5	%84.499
20	MP9	X	10.9	%97.414
21	MP9	X	8.1	%44.025
22	MP9	X	8.1	%58.076
23	MP10	X	24.1	%50.533
24	MP10	X	28.8	%97.414
25	MP2	Z	0	0
26	MP2	Z	0	0
27	MP3	Z	0	0
28	MP3	Z	0	0
29	MP3	Z	0	0
30	MP3	Z	0	0
31	MP4	Z	0	0
32	MP4	Z	0	0
33	MP5	Z	0	0
34	MP5	Z	0	0
35	MP6	Z	0	0
36	MP6	Z	0	0
37	MP6	Z	0	0
38	MP6	Z	0	0
39	MP7	Z	0	0
40	MP7	Z	0	0
41	MP8	Z	0	0
42	MP8	Z	0	0
43	MP9	Z	0	0
44	MP9	Z	0	0
45	MP9	Z	0	0
46	MP9	Z	0	0
47	MP10	Z	0	0
48	MP10	Z	0	0

Member Point Loads (BLC 190 : Antenna Wind on Ice (30 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	23.2	%55.792
2	MP2	X	23.2	%96.309
3	MP3	X	16.3	%84.499
4	MP3	X	12.3	%97.414
5	MP3	X	9.3	%44.025
6	MP3	X	9.3	%58.076
7	MP4	X	26.4	%52.258
8	MP4	X	34.3	%97.414

Member Point Loads (BLC 190 : Antenna Wind on Ice (30 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
9	MP5	X	12.1	%54.93
10	MP5	X	12.1	%95.447
11	MP6	X	10.6	%84.499
12	MP6	X	8	%97.414
13	MP6	X	5.9	%44.025
14	MP6	X	5.9	%58.076
15	MP7	X	17.5	%50.533
16	MP7	X	20.9	%97.414
17	MP8	X	23.2	%54.93
18	MP8	X	23.2	%95.447
19	MP9	X	16.3	%84.499
20	MP9	X	12.3	%97.414
21	MP9	X	9.3	%44.025
22	MP9	X	9.3	%58.076
23	MP10	X	27.6	%50.533
24	MP10	X	33	%97.414
25	MP2	Z	13.4	%55.792
26	MP2	Z	13.4	%96.309
27	MP3	Z	9.4	%84.499
28	MP3	Z	7.1	%97.414
29	MP3	Z	5.4	%44.025
30	MP3	Z	5.4	%58.076
31	MP4	Z	15.2	%52.258
32	MP4	Z	19.8	%97.414
33	MP5	Z	7	%54.93
34	MP5	Z	7	%95.447
35	MP6	Z	6.1	%84.499
36	MP6	Z	4.6	%97.414
37	MP6	Z	3.4	%44.025
38	MP6	Z	3.4	%58.076
39	MP7	Z	10.1	%50.533
40	MP7	Z	12	%97.414
41	MP8	Z	13.4	%54.93
42	MP8	Z	13.4	%95.447
43	MP9	Z	9.4	%84.499
44	MP9	Z	7.1	%97.414
45	MP9	Z	5.4	%44.025
46	MP9	Z	5.4	%58.076
47	MP10	Z	16	%50.533
48	MP10	Z	19.1	%97.414

Member Point Loads (BLC 191 : Antenna Wind on Ice (60 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	9.1	%55.792
2	MP2	X	9.1	%96.309
3	MP3	X	7.2	%84.499
4	MP3	X	5.5	%97.414
5	MP3	X	4.1	%44.025
6	MP3	X	4.1	%58.076
7	MP4	X	11.5	%52.258
8	MP4	X	14.9	%97.414
9	MP5	X	9.1	%54.93
10	MP5	X	9.1	%95.447
11	MP6	X	7.2	%84.499
12	MP6	X	5.5	%97.414
13	MP6	X	4.1	%44.025

Member Point Loads (BLC 191 : Antenna Wind on Ice (60 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
14	MP6	X	4.1	%58.076
15	MP7	X	12	%50.533
16	MP7	X	14.4	%97.414
17	MP8	X	15.5	%54.93
18	MP8	X	15.5	%95.447
19	MP9	X	10.5	%84.499
20	MP9	X	7.9	%97.414
21	MP9	X	6	%44.025
22	MP9	X	6	%58.076
23	MP10	X	17.9	%50.533
24	MP10	X	21.4	%97.414
25	MP2	Z	15.8	%55.792
26	MP2	Z	15.8	%96.309
27	MP3	Z	12.5	%84.499
28	MP3	Z	9.4	%97.414
29	MP3	Z	7	%44.025
30	MP3	Z	7	%58.076
31	MP4	Z	19.9	%52.258
32	MP4	Z	25.9	%97.414
33	MP5	Z	15.8	%54.93
34	MP5	Z	15.8	%95.447
35	MP6	Z	12.5	%84.499
36	MP6	Z	9.4	%97.414
37	MP6	Z	7	%44.025
38	MP6	Z	7	%58.076
39	MP7	Z	20.8	%50.533
40	MP7	Z	24.9	%97.414
41	MP8	Z	26.9	%54.93
42	MP8	Z	26.9	%95.447
43	MP9	Z	18.2	%84.499
44	MP9	Z	13.7	%97.414
45	MP9	Z	10.4	%44.025
46	MP9	Z	10.4	%58.076
47	MP10	Z	31	%50.533
48	MP10	Z	37	%97.414

Member Point Loads (BLC 192 : Antenna Wind on Ice (90 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	0	0
2	MP2	X	0	0
3	MP3	X	0	0
4	MP3	X	0	0
5	MP3	X	0	0
6	MP3	X	0	0
7	MP4	X	0	0
8	MP4	X	0	0
9	MP5	X	0	0
10	MP5	X	0	0
11	MP6	X	0	0
12	MP6	X	0	0
13	MP6	X	0	0
14	MP6	X	0	0
15	MP7	X	0	0
16	MP7	X	0	0
17	MP8	X	0	0
18	MP8	X	0	0

Member Point Loads (BLC 192 : Antenna Wind on Ice (90 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
19	MP9	X	0	0
20	MP9	X	0	0
21	MP9	X	0	0
22	MP9	X	0	0
23	MP10	X	0	0
24	MP10	X	0	0
25	MP2	Z	14	%55.792
26	MP2	Z	14	%96.309
27	MP3	Z	12.3	%84.499
28	MP3	Z	9.3	%97.414
29	MP3	Z	6.8	%44.025
30	MP3	Z	6.8	%58.076
31	MP4	Z	19.2	%52.258
32	MP4	Z	25	%97.414
33	MP5	Z	26.8	%54.93
34	MP5	Z	26.8	%95.447
35	MP6	Z	18.8	%84.499
36	MP6	Z	14.2	%97.414
37	MP6	Z	10.7	%44.025
38	MP6	Z	10.7	%58.076
39	MP7	Z	31.9	%50.533
40	MP7	Z	38.1	%97.414
41	MP8	Z	26.8	%54.93
42	MP8	Z	26.8	%95.447
43	MP9	Z	18.8	%84.499
44	MP9	Z	14.2	%97.414
45	MP9	Z	10.7	%44.025
46	MP9	Z	10.7	%58.076
47	MP10	Z	31.9	%50.533
48	MP10	Z	38.1	%97.414

Member Point Loads (BLC 193 : Antenna Wind on Ice (120 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	-9.1	%55.792
2	MP2	X	-9.1	%96.309
3	MP3	X	-7.2	%84.499
4	MP3	X	-5.5	%97.414
5	MP3	X	-4.1	%44.025
6	MP3	X	-4.1	%58.076
7	MP4	X	-11.5	%52.258
8	MP4	X	-14.9	%97.414
9	MP5	X	-15.5	%54.93
10	MP5	X	-15.5	%95.447
11	MP6	X	-10.5	%84.499
12	MP6	X	-7.9	%97.414
13	MP6	X	-6	%44.025
14	MP6	X	-6	%58.076
15	MP7	X	-17.9	%50.533
16	MP7	X	-21.4	%97.414
17	MP8	X	-9.1	%54.93
18	MP8	X	-9.1	%95.447
19	MP9	X	-7.2	%84.499
20	MP9	X	-5.5	%97.414
21	MP9	X	-4.1	%44.025
22	MP9	X	-4.1	%58.076
23	MP10	X	-12	%50.533

Member Point Loads (BLC 193 : Antenna Wind on Ice (120 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
24	MP10	X	-14.4	%97.414
25	MP2	Z	15.8	%55.792
26	MP2	Z	15.8	%96.309
27	MP3	Z	12.5	%84.499
28	MP3	Z	9.4	%97.414
29	MP3	Z	7	%44.025
30	MP3	Z	7	%58.076
31	MP4	Z	19.9	%52.258
32	MP4	Z	25.9	%97.414
33	MP5	Z	26.9	%54.93
34	MP5	Z	26.9	%95.447
35	MP6	Z	18.2	%84.499
36	MP6	Z	13.7	%97.414
37	MP6	Z	10.4	%44.025
38	MP6	Z	10.4	%58.076
39	MP7	Z	31	%50.533
40	MP7	Z	37	%97.414
41	MP8	Z	15.8	%54.93
42	MP8	Z	15.8	%95.447
43	MP9	Z	12.5	%84.499
44	MP9	Z	9.4	%97.414
45	MP9	Z	7	%44.025
46	MP9	Z	7	%58.076
47	MP10	Z	20.8	%50.533
48	MP10	Z	24.9	%97.414

Member Point Loads (BLC 194 : Antenna Wind on Ice (150 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	-23.2	%55.792
2	MP2	X	-23.2	%96.309
3	MP3	X	-16.3	%84.499
4	MP3	X	-12.3	%97.414
5	MP3	X	-9.3	%44.025
6	MP3	X	-9.3	%58.076
7	MP4	X	-26.4	%52.258
8	MP4	X	-34.3	%97.414
9	MP5	X	-23.2	%54.93
10	MP5	X	-23.2	%95.447
11	MP6	X	-16.3	%84.499
12	MP6	X	-12.3	%97.414
13	MP6	X	-9.3	%44.025
14	MP6	X	-9.3	%58.076
15	MP7	X	-27.6	%50.533
16	MP7	X	-33	%97.414
17	MP8	X	-12.1	%54.93
18	MP8	X	-12.1	%95.447
19	MP9	X	-10.6	%84.499
20	MP9	X	-8	%97.414
21	MP9	X	-5.9	%44.025
22	MP9	X	-5.9	%58.076
23	MP10	X	-17.5	%50.533
24	MP10	X	-20.9	%97.414
25	MP2	Z	13.4	%55.792
26	MP2	Z	13.4	%96.309
27	MP3	Z	9.4	%84.499
28	MP3	Z	7.1	%97.414

Member Point Loads (BLC 194 : Antenna Wind on Ice (150 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
29	MP3	Z	5.4	%44.025
30	MP3	Z	5.4	%58.076
31	MP4	Z	15.2	%52.258
32	MP4	Z	19.8	%97.414
33	MP5	Z	13.4	%54.93
34	MP5	Z	13.4	%95.447
35	MP6	Z	9.4	%84.499
36	MP6	Z	7.1	%97.414
37	MP6	Z	5.4	%44.025
38	MP6	Z	5.4	%58.076
39	MP7	Z	16	%50.533
40	MP7	Z	19.1	%97.414
41	MP8	Z	7	%54.93
42	MP8	Z	7	%95.447
43	MP9	Z	6.1	%84.499
44	MP9	Z	4.6	%97.414
45	MP9	Z	3.4	%44.025
46	MP9	Z	3.4	%58.076
47	MP10	Z	10.1	%50.533
48	MP10	Z	12	%97.414

Member Point Loads (BLC 195 : Antenna Wind on Ice (180 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	-31	%55.792
2	MP2	X	-31	%96.309
3	MP3	X	-21	%84.499
4	MP3	X	-15.8	%97.414
5	MP3	X	-12	%44.025
6	MP3	X	-12	%58.076
7	MP4	X	-34.2	%52.258
8	MP4	X	-44.4	%97.414
9	MP5	X	-18.2	%54.93
10	MP5	X	-18.2	%95.447
11	MP6	X	-14.5	%84.499
12	MP6	X	-10.9	%97.414
13	MP6	X	-8.1	%44.025
14	MP6	X	-8.1	%58.076
15	MP7	X	-24.1	%50.533
16	MP7	X	-28.8	%97.414
17	MP8	X	-18.2	%54.93
18	MP8	X	-18.2	%95.447
19	MP9	X	-14.5	%84.499
20	MP9	X	-10.9	%97.414
21	MP9	X	-8.1	%44.025
22	MP9	X	-8.1	%58.076
23	MP10	X	-24.1	%50.533
24	MP10	X	-28.8	%97.414
25	MP2	Z	0	0
26	MP2	Z	0	0
27	MP3	Z	0	0
28	MP3	Z	0	0
29	MP3	Z	0	0
30	MP3	Z	0	0
31	MP4	Z	0	0
32	MP4	Z	0	0
33	MP5	Z	0	0

Member Point Loads (BLC 195 : Antenna Wind on Ice (180 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
34	MP5	Z	0	0
35	MP6	Z	0	0
36	MP6	Z	0	0
37	MP6	Z	0	0
38	MP6	Z	0	0
39	MP7	Z	0	0
40	MP7	Z	0	0
41	MP8	Z	0	0
42	MP8	Z	0	0
43	MP9	Z	0	0
44	MP9	Z	0	0
45	MP9	Z	0	0
46	MP9	Z	0	0
47	MP10	Z	0	0
48	MP10	Z	0	0

Member Point Loads (BLC 196 : Antenna Wind on Ice (210 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	-23.2	%55.792
2	MP2	X	-23.2	%96.309
3	MP3	X	-16.3	%84.499
4	MP3	X	-12.3	%97.414
5	MP3	X	-9.3	%44.025
6	MP3	X	-9.3	%58.076
7	MP4	X	-26.4	%52.258
8	MP4	X	-34.3	%97.414
9	MP5	X	-12.1	%54.93
10	MP5	X	-12.1	%95.447
11	MP6	X	-10.6	%84.499
12	MP6	X	-8	%97.414
13	MP6	X	-5.9	%44.025
14	MP6	X	-5.9	%58.076
15	MP7	X	-17.5	%50.533
16	MP7	X	-20.9	%97.414
17	MP8	X	-23.2	%54.93
18	MP8	X	-23.2	%95.447
19	MP9	X	-16.3	%84.499
20	MP9	X	-12.3	%97.414
21	MP9	X	-9.3	%44.025
22	MP9	X	-9.3	%58.076
23	MP10	X	-27.6	%50.533
24	MP10	X	-33	%97.414
25	MP2	Z	-13.4	%55.792
26	MP2	Z	-13.4	%96.309
27	MP3	Z	-9.4	%84.499
28	MP3	Z	-7.1	%97.414
29	MP3	Z	-5.4	%44.025
30	MP3	Z	-5.4	%58.076
31	MP4	Z	-15.2	%52.258
32	MP4	Z	-19.8	%97.414
33	MP5	Z	-7	%54.93
34	MP5	Z	-7	%95.447
35	MP6	Z	-6.1	%84.499
36	MP6	Z	-4.6	%97.414
37	MP6	Z	-3.4	%44.025
38	MP6	Z	-3.4	%58.076

Member Point Loads (BLC 196 : Antenna Wind on Ice (210 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
39	MP7	Z	-10.1	%50.533
40	MP7	Z	-12	%97.414
41	MP8	Z	-13.4	%54.93
42	MP8	Z	-13.4	%95.447
43	MP9	Z	-9.4	%84.499
44	MP9	Z	-7.1	%97.414
45	MP9	Z	-5.4	%44.025
46	MP9	Z	-5.4	%58.076
47	MP10	Z	-16	%50.533
48	MP10	Z	-19.1	%97.414

Member Point Loads (BLC 197 : Antenna Wind on Ice (240 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	-9.1	%55.792
2	MP2	X	-9.1	%96.309
3	MP3	X	-7.2	%84.499
4	MP3	X	-5.5	%97.414
5	MP3	X	-4.1	%44.025
6	MP3	X	-4.1	%58.076
7	MP4	X	-11.5	%52.258
8	MP4	X	-14.9	%97.414
9	MP5	X	-9.1	%54.93
10	MP5	X	-9.1	%95.447
11	MP6	X	-7.2	%84.499
12	MP6	X	-5.5	%97.414
13	MP6	X	-4.1	%44.025
14	MP6	X	-4.1	%58.076
15	MP7	X	-12	%50.533
16	MP7	X	-14.4	%97.414
17	MP8	X	-15.5	%54.93
18	MP8	X	-15.5	%95.447
19	MP9	X	-10.5	%84.499
20	MP9	X	-7.9	%97.414
21	MP9	X	-6	%44.025
22	MP9	X	-6	%58.076
23	MP10	X	-17.9	%50.533
24	MP10	X	-21.4	%97.414
25	MP2	Z	-15.8	%55.792
26	MP2	Z	-15.8	%96.309
27	MP3	Z	-12.5	%84.499
28	MP3	Z	-9.4	%97.414
29	MP3	Z	-7	%44.025
30	MP3	Z	-7	%58.076
31	MP4	Z	-19.9	%52.258
32	MP4	Z	-25.9	%97.414
33	MP5	Z	-15.8	%54.93
34	MP5	Z	-15.8	%95.447
35	MP6	Z	-12.5	%84.499
36	MP6	Z	-9.4	%97.414
37	MP6	Z	-7	%44.025
38	MP6	Z	-7	%58.076
39	MP7	Z	-20.8	%50.533
40	MP7	Z	-24.9	%97.414
41	MP8	Z	-26.9	%54.93
42	MP8	Z	-26.9	%95.447
43	MP9	Z	-18.2	%84.499

Member Point Loads (BLC 197 : Antenna Wind on Ice (240 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
44	MP9	Z	-13.7	%97.414
45	MP9	Z	-10.4	%44.025
46	MP9	Z	-10.4	%58.076
47	MP10	Z	-31	%50.533
48	MP10	Z	-37	%97.414

Member Point Loads (BLC 198 : Antenna Wind on Ice (270 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	0	0
2	MP2	X	0	0
3	MP3	X	0	0
4	MP3	X	0	0
5	MP3	X	0	0
6	MP3	X	0	0
7	MP4	X	0	0
8	MP4	X	0	0
9	MP5	X	0	0
10	MP5	X	0	0
11	MP6	X	0	0
12	MP6	X	0	0
13	MP6	X	0	0
14	MP6	X	0	0
15	MP7	X	0	0
16	MP7	X	0	0
17	MP8	X	0	0
18	MP8	X	0	0
19	MP9	X	0	0
20	MP9	X	0	0
21	MP9	X	0	0
22	MP9	X	0	0
23	MP10	X	0	0
24	MP10	X	0	0
25	MP2	Z	-14	%55.792
26	MP2	Z	-14	%96.309
27	MP3	Z	-12.3	%84.499
28	MP3	Z	-9.3	%97.414
29	MP3	Z	-6.8	%44.025
30	MP3	Z	-6.8	%58.076
31	MP4	Z	-19.2	%52.258
32	MP4	Z	-25	%97.414
33	MP5	Z	-26.8	%54.93
34	MP5	Z	-26.8	%95.447
35	MP6	Z	-18.8	%84.499
36	MP6	Z	-14.2	%97.414
37	MP6	Z	-10.7	%44.025
38	MP6	Z	-10.7	%58.076
39	MP7	Z	-31.9	%50.533
40	MP7	Z	-38.1	%97.414
41	MP8	Z	-26.8	%54.93
42	MP8	Z	-26.8	%95.447
43	MP9	Z	-18.8	%84.499
44	MP9	Z	-14.2	%97.414
45	MP9	Z	-10.7	%44.025
46	MP9	Z	-10.7	%58.076
47	MP10	Z	-31.9	%50.533
48	MP10	Z	-38.1	%97.414

Member Point Loads (BLC 199 : Antenna Wind on Ice (300 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	9.1	%55.792
2	MP2	X	9.1	%96.309
3	MP3	X	7.2	%84.499
4	MP3	X	5.5	%97.414
5	MP3	X	4.1	%44.025
6	MP3	X	4.1	%58.076
7	MP4	X	11.5	%52.258
8	MP4	X	14.9	%97.414
9	MP5	X	15.5	%54.93
10	MP5	X	15.5	%95.447
11	MP6	X	10.5	%84.499
12	MP6	X	7.9	%97.414
13	MP6	X	6	%44.025
14	MP6	X	6	%58.076
15	MP7	X	17.9	%50.533
16	MP7	X	21.4	%97.414
17	MP8	X	9.1	%54.93
18	MP8	X	9.1	%95.447
19	MP9	X	7.2	%84.499
20	MP9	X	5.5	%97.414
21	MP9	X	4.1	%44.025
22	MP9	X	4.1	%58.076
23	MP10	X	12	%50.533
24	MP10	X	14.4	%97.414
25	MP2	Z	-15.8	%55.792
26	MP2	Z	-15.8	%96.309
27	MP3	Z	-12.5	%84.499
28	MP3	Z	-9.4	%97.414
29	MP3	Z	-7	%44.025
30	MP3	Z	-7	%58.076
31	MP4	Z	-19.9	%52.258
32	MP4	Z	-25.9	%97.414
33	MP5	Z	-26.9	%54.93
34	MP5	Z	-26.9	%95.447
35	MP6	Z	-18.2	%84.499
36	MP6	Z	-13.7	%97.414
37	MP6	Z	-10.4	%44.025
38	MP6	Z	-10.4	%58.076
39	MP7	Z	-31	%50.533
40	MP7	Z	-37	%97.414
41	MP8	Z	-15.8	%54.93
42	MP8	Z	-15.8	%95.447
43	MP9	Z	-12.5	%84.499
44	MP9	Z	-9.4	%97.414
45	MP9	Z	-7	%44.025
46	MP9	Z	-7	%58.076
47	MP10	Z	-20.8	%50.533
48	MP10	Z	-24.9	%97.414

Member Point Loads (BLC 200 : Antenna Wind on Ice (330 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	23.2	%55.792
2	MP2	X	23.2	%96.309
3	MP3	X	16.3	%84.499
4	MP3	X	12.3	%97.414
5	MP3	X	9.3	%44.025

Member Point Loads (BLC 200 : Antenna Wind on Ice (330 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
6	MP3	X	9.3	%58.076
7	MP4	X	26.4	%52.258
8	MP4	X	34.3	%97.414
9	MP5	X	23.2	%54.93
10	MP5	X	23.2	%95.447
11	MP6	X	16.3	%84.499
12	MP6	X	12.3	%97.414
13	MP6	X	9.3	%44.025
14	MP6	X	9.3	%58.076
15	MP7	X	27.6	%50.533
16	MP7	X	33	%97.414
17	MP8	X	12.1	%54.93
18	MP8	X	12.1	%95.447
19	MP9	X	10.6	%84.499
20	MP9	X	8	%97.414
21	MP9	X	5.9	%44.025
22	MP9	X	5.9	%58.076
23	MP10	X	17.5	%50.533
24	MP10	X	20.9	%97.414
25	MP2	Z	-13.4	%55.792
26	MP2	Z	-13.4	%96.309
27	MP3	Z	-9.4	%84.499
28	MP3	Z	-7.1	%97.414
29	MP3	Z	-5.4	%44.025
30	MP3	Z	-5.4	%58.076
31	MP4	Z	-15.2	%52.258
32	MP4	Z	-19.8	%97.414
33	MP5	Z	-13.4	%54.93
34	MP5	Z	-13.4	%95.447
35	MP6	Z	-9.4	%84.499
36	MP6	Z	-7.1	%97.414
37	MP6	Z	-5.4	%44.025
38	MP6	Z	-5.4	%58.076
39	MP7	Z	-16	%50.533
40	MP7	Z	-19.1	%97.414
41	MP8	Z	-7	%54.93
42	MP8	Z	-7	%95.447
43	MP9	Z	-6.1	%84.499
44	MP9	Z	-4.6	%97.414
45	MP9	Z	-3.4	%44.025
46	MP9	Z	-3.4	%58.076
47	MP10	Z	-10.1	%50.533
48	MP10	Z	-12	%97.414

Member Point Loads (BLC 201 : Ant. Horiz. Seismic, Eh (0))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	41.9	%55.792
2	MP2	X	41.9	%96.309
3	MP3	X	40.8	%84.499
4	MP3	X	40.8	%97.414
5	MP3	X	33	%44.025
6	MP3	X	33	%58.076
7	MP4	X	51.9	%52.258
8	MP4	X	51.9	%97.414
9	MP5	X	41.9	%54.93
10	MP5	X	41.9	%95.447

Member Point Loads (BLC 201 : Ant. Horiz. Seismic, Eh (0)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
11	MP6	X	40.8	%84.499
12	MP6	X	40.8	%97.414
13	MP6	X	33	%44.025
14	MP6	X	33	%58.076
15	MP7	X	51.9	%50.533
16	MP7	X	51.9	%97.414
17	MP8	X	41.9	%54.93
18	MP8	X	41.9	%95.447
19	MP9	X	40.8	%84.499
20	MP9	X	40.8	%97.414
21	MP9	X	33	%44.025
22	MP9	X	33	%58.076
23	MP10	X	51.9	%50.533
24	MP10	X	51.9	%97.414
25	MP2	Z	0	0
26	MP2	Z	0	0
27	MP3	Z	0	0
28	MP3	Z	0	0
29	MP3	Z	0	0
30	MP3	Z	0	0
31	MP4	Z	0	0
32	MP4	Z	0	0
33	MP5	Z	0	0
34	MP5	Z	0	0
35	MP6	Z	0	0
36	MP6	Z	0	0
37	MP6	Z	0	0
38	MP6	Z	0	0
39	MP7	Z	0	0
40	MP7	Z	0	0
41	MP8	Z	0	0
42	MP8	Z	0	0
43	MP9	Z	0	0
44	MP9	Z	0	0
45	MP9	Z	0	0
46	MP9	Z	0	0
47	MP10	Z	0	0
48	MP10	Z	0	0

Member Point Loads (BLC 202 : Ant. Horiz. Seismic, Eh (30))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	36.3	%55.792
2	MP2	X	36.3	%96.309
3	MP3	X	35.3	%84.499
4	MP3	X	35.3	%97.414
5	MP3	X	28.6	%44.025
6	MP3	X	28.6	%58.076
7	MP4	X	44.9	%52.258
8	MP4	X	44.9	%97.414
9	MP5	X	36.3	%54.93
10	MP5	X	36.3	%95.447
11	MP6	X	35.3	%84.499
12	MP6	X	35.3	%97.414
13	MP6	X	28.6	%44.025
14	MP6	X	28.6	%58.076
15	MP7	X	44.9	%50.533

Member Point Loads (BLC 202 : Ant. Horiz. Seismic, Eh (30)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
16	MP7	X	44.9	%97.414
17	MP8	X	36.3	%54.93
18	MP8	X	36.3	%95.447
19	MP9	X	35.3	%84.499
20	MP9	X	35.3	%97.414
21	MP9	X	28.6	%44.025
22	MP9	X	28.6	%58.076
23	MP10	X	44.9	%50.533
24	MP10	X	44.9	%97.414
25	MP2	Z	20.9	%55.792
26	MP2	Z	20.9	%96.309
27	MP3	Z	20.4	%84.499
28	MP3	Z	20.4	%97.414
29	MP3	Z	16.5	%44.025
30	MP3	Z	16.5	%58.076
31	MP4	Z	25.9	%52.258
32	MP4	Z	25.9	%97.414
33	MP5	Z	20.9	%54.93
34	MP5	Z	20.9	%95.447
35	MP6	Z	20.4	%84.499
36	MP6	Z	20.4	%97.414
37	MP6	Z	16.5	%44.025
38	MP6	Z	16.5	%58.076
39	MP7	Z	25.9	%50.533
40	MP7	Z	25.9	%97.414
41	MP8	Z	20.9	%54.93
42	MP8	Z	20.9	%95.447
43	MP9	Z	20.4	%84.499
44	MP9	Z	20.4	%97.414
45	MP9	Z	16.5	%44.025
46	MP9	Z	16.5	%58.076
47	MP10	Z	25.9	%50.533
48	MP10	Z	25.9	%97.414

Member Point Loads (BLC 203 : Ant. Horiz. Seismic, Eh (60))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	21	%55.792
2	MP2	X	21	%96.309
3	MP3	X	20.4	%84.499
4	MP3	X	20.4	%97.414
5	MP3	X	16.5	%44.025
6	MP3	X	16.5	%58.076
7	MP4	X	26	%52.258
8	MP4	X	26	%97.414
9	MP5	X	21	%54.93
10	MP5	X	21	%95.447
11	MP6	X	20.4	%84.499
12	MP6	X	20.4	%97.414
13	MP6	X	16.5	%44.025
14	MP6	X	16.5	%58.076
15	MP7	X	26	%50.533
16	MP7	X	26	%97.414
17	MP8	X	21	%54.93
18	MP8	X	21	%95.447
19	MP9	X	20.4	%84.499
20	MP9	X	20.4	%97.414

Member Point Loads (BLC 203 : Ant. Horiz. Seismic, Eh (60)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
21	MP9	X	16.5	%44.025
22	MP9	X	16.5	%58.076
23	MP10	X	26	%50.533
24	MP10	X	26	%97.414
25	MP2	Z	36.3	%55.792
26	MP2	Z	36.3	%96.309
27	MP3	Z	35.3	%84.499
28	MP3	Z	35.3	%97.414
29	MP3	Z	28.6	%44.025
30	MP3	Z	28.6	%58.076
31	MP4	Z	44.9	%52.258
32	MP4	Z	44.9	%97.414
33	MP5	Z	36.3	%54.93
34	MP5	Z	36.3	%95.447
35	MP6	Z	35.3	%84.499
36	MP6	Z	35.3	%97.414
37	MP6	Z	28.6	%44.025
38	MP6	Z	28.6	%58.076
39	MP7	Z	44.9	%50.533
40	MP7	Z	44.9	%97.414
41	MP8	Z	36.3	%54.93
42	MP8	Z	36.3	%95.447
43	MP9	Z	35.3	%84.499
44	MP9	Z	35.3	%97.414
45	MP9	Z	28.6	%44.025
46	MP9	Z	28.6	%58.076
47	MP10	Z	44.9	%50.533
48	MP10	Z	44.9	%97.414

Member Point Loads (BLC 204 : Ant. Horiz. Seismic, Eh (90))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	0	0
2	MP2	X	0	0
3	MP3	X	0	0
4	MP3	X	0	0
5	MP3	X	0	0
6	MP3	X	0	0
7	MP4	X	0	0
8	MP4	X	0	0
9	MP5	X	0	0
10	MP5	X	0	0
11	MP6	X	0	0
12	MP6	X	0	0
13	MP6	X	0	0
14	MP6	X	0	0
15	MP7	X	0	0
16	MP7	X	0	0
17	MP8	X	0	0
18	MP8	X	0	0
19	MP9	X	0	0
20	MP9	X	0	0
21	MP9	X	0	0
22	MP9	X	0	0
23	MP10	X	0	0
24	MP10	X	0	0
25	MP2	Z	41.9	%55.792

Member Point Loads (BLC 204 : Ant. Horiz. Seismic, Eh (90)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
26	MP2	Z	41.9	%96.309
27	MP3	Z	40.8	%84.499
28	MP3	Z	40.8	%97.414
29	MP3	Z	33	%44.025
30	MP3	Z	33	%58.076
31	MP4	Z	51.9	%52.258
32	MP4	Z	51.9	%97.414
33	MP5	Z	41.9	%54.93
34	MP5	Z	41.9	%95.447
35	MP6	Z	40.8	%84.499
36	MP6	Z	40.8	%97.414
37	MP6	Z	33	%44.025
38	MP6	Z	33	%58.076
39	MP7	Z	51.9	%50.533
40	MP7	Z	51.9	%97.414
41	MP8	Z	41.9	%54.93
42	MP8	Z	41.9	%95.447
43	MP9	Z	40.8	%84.499
44	MP9	Z	40.8	%97.414
45	MP9	Z	33	%44.025
46	MP9	Z	33	%58.076
47	MP10	Z	51.9	%50.533
48	MP10	Z	51.9	%97.414

Member Point Loads (BLC 205 : Ant. Horiz. Seismic, Eh (120))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	-20.9	%55.792
2	MP2	X	-20.9	%96.309
3	MP3	X	-20.4	%84.499
4	MP3	X	-20.4	%97.414
5	MP3	X	-16.5	%44.025
6	MP3	X	-16.5	%58.076
7	MP4	X	-25.9	%52.258
8	MP4	X	-25.9	%97.414
9	MP5	X	-20.9	%54.93
10	MP5	X	-20.9	%95.447
11	MP6	X	-20.4	%84.499
12	MP6	X	-20.4	%97.414
13	MP6	X	-16.5	%44.025
14	MP6	X	-16.5	%58.076
15	MP7	X	-25.9	%50.533
16	MP7	X	-25.9	%97.414
17	MP8	X	-20.9	%54.93
18	MP8	X	-20.9	%95.447
19	MP9	X	-20.4	%84.499
20	MP9	X	-20.4	%97.414
21	MP9	X	-16.5	%44.025
22	MP9	X	-16.5	%58.076
23	MP10	X	-25.9	%50.533
24	MP10	X	-25.9	%97.414
25	MP2	Z	36.3	%55.792
26	MP2	Z	36.3	%96.309
27	MP3	Z	35.3	%84.499
28	MP3	Z	35.3	%97.414
29	MP3	Z	28.6	%44.025
30	MP3	Z	28.6	%58.076

Member Point Loads (BLC 205 : Ant. Horiz. Seismic, Eh (120)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
31	MP4	Z	44.9	%52.258
32	MP4	Z	44.9	%97.414
33	MP5	Z	36.3	%54.93
34	MP5	Z	36.3	%95.447
35	MP6	Z	35.3	%84.499
36	MP6	Z	35.3	%97.414
37	MP6	Z	28.6	%44.025
38	MP6	Z	28.6	%58.076
39	MP7	Z	44.9	%50.533
40	MP7	Z	44.9	%97.414
41	MP8	Z	36.3	%54.93
42	MP8	Z	36.3	%95.447
43	MP9	Z	35.3	%84.499
44	MP9	Z	35.3	%97.414
45	MP9	Z	28.6	%44.025
46	MP9	Z	28.6	%58.076
47	MP10	Z	44.9	%50.533
48	MP10	Z	44.9	%97.414

Member Point Loads (BLC 206 : Ant. Horiz. Seismic, Eh (150))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	-36.3	%55.792
2	MP2	X	-36.3	%96.309
3	MP3	X	-35.3	%84.499
4	MP3	X	-35.3	%97.414
5	MP3	X	-28.6	%44.025
6	MP3	X	-28.6	%58.076
7	MP4	X	-44.9	%52.258
8	MP4	X	-44.9	%97.414
9	MP5	X	-36.3	%54.93
10	MP5	X	-36.3	%95.447
11	MP6	X	-35.3	%84.499
12	MP6	X	-35.3	%97.414
13	MP6	X	-28.6	%44.025
14	MP6	X	-28.6	%58.076
15	MP7	X	-44.9	%50.533
16	MP7	X	-44.9	%97.414
17	MP8	X	-36.3	%54.93
18	MP8	X	-36.3	%95.447
19	MP9	X	-35.3	%84.499
20	MP9	X	-35.3	%97.414
21	MP9	X	-28.6	%44.025
22	MP9	X	-28.6	%58.076
23	MP10	X	-44.9	%50.533
24	MP10	X	-44.9	%97.414
25	MP2	Z	20.9	%55.792
26	MP2	Z	20.9	%96.309
27	MP3	Z	20.4	%84.499
28	MP3	Z	20.4	%97.414
29	MP3	Z	16.5	%44.025
30	MP3	Z	16.5	%58.076
31	MP4	Z	25.9	%52.258
32	MP4	Z	25.9	%97.414
33	MP5	Z	20.9	%54.93
34	MP5	Z	20.9	%95.447
35	MP6	Z	20.4	%84.499

Member Point Loads (BLC 206 : Ant. Horiz. Seismic, Eh (150)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
36	MP6	Z	20.4	%97.414
37	MP6	Z	16.5	%44.025
38	MP6	Z	16.5	%58.076
39	MP7	Z	25.9	%50.533
40	MP7	Z	25.9	%97.414
41	MP8	Z	20.9	%54.93
42	MP8	Z	20.9	%95.447
43	MP9	Z	20.4	%84.499
44	MP9	Z	20.4	%97.414
45	MP9	Z	16.5	%44.025
46	MP9	Z	16.5	%58.076
47	MP10	Z	25.9	%50.533
48	MP10	Z	25.9	%97.414

Member Point Loads (BLC 207 : Ant. Horiz. Seismic, Eh (180))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	-41.9	%55.792
2	MP2	X	-41.9	%96.309
3	MP3	X	-40.8	%84.499
4	MP3	X	-40.8	%97.414
5	MP3	X	-33	%44.025
6	MP3	X	-33	%58.076
7	MP4	X	-51.9	%52.258
8	MP4	X	-51.9	%97.414
9	MP5	X	-41.9	%54.93
10	MP5	X	-41.9	%95.447
11	MP6	X	-40.8	%84.499
12	MP6	X	-40.8	%97.414
13	MP6	X	-33	%44.025
14	MP6	X	-33	%58.076
15	MP7	X	-51.9	%50.533
16	MP7	X	-51.9	%97.414
17	MP8	X	-41.9	%54.93
18	MP8	X	-41.9	%95.447
19	MP9	X	-40.8	%84.499
20	MP9	X	-40.8	%97.414
21	MP9	X	-33	%44.025
22	MP9	X	-33	%58.076
23	MP10	X	-51.9	%50.533
24	MP10	X	-51.9	%97.414
25	MP2	Z	0	0
26	MP2	Z	0	0
27	MP3	Z	0	0
28	MP3	Z	0	0
29	MP3	Z	0	0
30	MP3	Z	0	0
31	MP4	Z	0	0
32	MP4	Z	0	0
33	MP5	Z	0	0
34	MP5	Z	0	0
35	MP6	Z	0	0
36	MP6	Z	0	0
37	MP6	Z	0	0
38	MP6	Z	0	0
39	MP7	Z	0	0
40	MP7	Z	0	0

Member Point Loads (BLC 207 : Ant. Horiz. Seismic, Eh (180)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
41	MP8	Z	0	0
42	MP8	Z	0	0
43	MP9	Z	0	0
44	MP9	Z	0	0
45	MP9	Z	0	0
46	MP9	Z	0	0
47	MP10	Z	0	0
48	MP10	Z	0	0

Member Point Loads (BLC 208 : Ant. Horiz. Seismic, Eh (210))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	-36.3	%55.792
2	MP2	X	-36.3	%96.309
3	MP3	X	-35.3	%84.499
4	MP3	X	-35.3	%97.414
5	MP3	X	-28.6	%44.025
6	MP3	X	-28.6	%58.076
7	MP4	X	-44.9	%52.258
8	MP4	X	-44.9	%97.414
9	MP5	X	-36.3	%54.93
10	MP5	X	-36.3	%95.447
11	MP6	X	-35.3	%84.499
12	MP6	X	-35.3	%97.414
13	MP6	X	-28.6	%44.025
14	MP6	X	-28.6	%58.076
15	MP7	X	-44.9	%50.533
16	MP7	X	-44.9	%97.414
17	MP8	X	-36.3	%54.93
18	MP8	X	-36.3	%95.447
19	MP9	X	-35.3	%84.499
20	MP9	X	-35.3	%97.414
21	MP9	X	-28.6	%44.025
22	MP9	X	-28.6	%58.076
23	MP10	X	-44.9	%50.533
24	MP10	X	-44.9	%97.414
25	MP2	Z	-21	%55.792
26	MP2	Z	-21	%96.309
27	MP3	Z	-20.4	%84.499
28	MP3	Z	-20.4	%97.414
29	MP3	Z	-16.5	%44.025
30	MP3	Z	-16.5	%58.076
31	MP4	Z	-26	%52.258
32	MP4	Z	-26	%97.414
33	MP5	Z	-21	%54.93
34	MP5	Z	-21	%95.447
35	MP6	Z	-20.4	%84.499
36	MP6	Z	-20.4	%97.414
37	MP6	Z	-16.5	%44.025
38	MP6	Z	-16.5	%58.076
39	MP7	Z	-26	%50.533
40	MP7	Z	-26	%97.414
41	MP8	Z	-21	%54.93
42	MP8	Z	-21	%95.447
43	MP9	Z	-20.4	%84.499
44	MP9	Z	-20.4	%97.414
45	MP9	Z	-16.5	%44.025

Member Point Loads (BLC 208 : Ant. Horiz. Seismic, Eh (210)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
46	MP9	Z	-16.5	%58.076
47	MP10	Z	-26	%50.533
48	MP10	Z	-26	%97.414

Member Point Loads (BLC 209 : Ant. Horiz. Seismic, Eh (240))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	-21	%55.792
2	MP2	X	-21	%96.309
3	MP3	X	-20.4	%84.499
4	MP3	X	-20.4	%97.414
5	MP3	X	-16.5	%44.025
6	MP3	X	-16.5	%58.076
7	MP4	X	-26	%52.258
8	MP4	X	-26	%97.414
9	MP5	X	-21	%54.93
10	MP5	X	-21	%95.447
11	MP6	X	-20.4	%84.499
12	MP6	X	-20.4	%97.414
13	MP6	X	-16.5	%44.025
14	MP6	X	-16.5	%58.076
15	MP7	X	-26	%50.533
16	MP7	X	-26	%97.414
17	MP8	X	-21	%54.93
18	MP8	X	-21	%95.447
19	MP9	X	-20.4	%84.499
20	MP9	X	-20.4	%97.414
21	MP9	X	-16.5	%44.025
22	MP9	X	-16.5	%58.076
23	MP10	X	-26	%50.533
24	MP10	X	-26	%97.414
25	MP2	Z	-36.3	%55.792
26	MP2	Z	-36.3	%96.309
27	MP3	Z	-35.3	%84.499
28	MP3	Z	-35.3	%97.414
29	MP3	Z	-28.6	%44.025
30	MP3	Z	-28.6	%58.076
31	MP4	Z	-44.9	%52.258
32	MP4	Z	-44.9	%97.414
33	MP5	Z	-36.3	%54.93
34	MP5	Z	-36.3	%95.447
35	MP6	Z	-35.3	%84.499
36	MP6	Z	-35.3	%97.414
37	MP6	Z	-28.6	%44.025
38	MP6	Z	-28.6	%58.076
39	MP7	Z	-44.9	%50.533
40	MP7	Z	-44.9	%97.414
41	MP8	Z	-36.3	%54.93
42	MP8	Z	-36.3	%95.447
43	MP9	Z	-35.3	%84.499
44	MP9	Z	-35.3	%97.414
45	MP9	Z	-28.6	%44.025
46	MP9	Z	-28.6	%58.076
47	MP10	Z	-44.9	%50.533
48	MP10	Z	-44.9	%97.414

Member Point Loads (BLC 210 : Ant. Horiz. Seismic, Eh (270))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	0	0
2	MP2	X	0	0
3	MP3	X	0	0
4	MP3	X	0	0
5	MP3	X	0	0
6	MP3	X	0	0
7	MP4	X	0	0
8	MP4	X	0	0
9	MP5	X	0	0
10	MP5	X	0	0
11	MP6	X	0	0
12	MP6	X	0	0
13	MP6	X	0	0
14	MP6	X	0	0
15	MP7	X	0	0
16	MP7	X	0	0
17	MP8	X	0	0
18	MP8	X	0	0
19	MP9	X	0	0
20	MP9	X	0	0
21	MP9	X	0	0
22	MP9	X	0	0
23	MP10	X	0	0
24	MP10	X	0	0
25	MP2	Z	-41.9	%55.792
26	MP2	Z	-41.9	%96.309
27	MP3	Z	-40.8	%84.499
28	MP3	Z	-40.8	%97.414
29	MP3	Z	-33	%44.025
30	MP3	Z	-33	%58.076
31	MP4	Z	-51.9	%52.258
32	MP4	Z	-51.9	%97.414
33	MP5	Z	-41.9	%54.93
34	MP5	Z	-41.9	%95.447
35	MP6	Z	-40.8	%84.499
36	MP6	Z	-40.8	%97.414
37	MP6	Z	-33	%44.025
38	MP6	Z	-33	%58.076
39	MP7	Z	-51.9	%50.533
40	MP7	Z	-51.9	%97.414
41	MP8	Z	-41.9	%54.93
42	MP8	Z	-41.9	%95.447
43	MP9	Z	-40.8	%84.499
44	MP9	Z	-40.8	%97.414
45	MP9	Z	-33	%44.025
46	MP9	Z	-33	%58.076
47	MP10	Z	-51.9	%50.533
48	MP10	Z	-51.9	%97.414

Member Point Loads (BLC 211 : Ant. Horiz. Seismic, Eh (300))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	21	%55.792
2	MP2	X	21	%96.309
3	MP3	X	20.4	%84.499
4	MP3	X	20.4	%97.414
5	MP3	X	16.5	%44.025

Member Point Loads (BLC 211 : Ant. Horiz. Seismic, Eh (300)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
6	MP3	X	16.5	%58.076
7	MP4	X	26	%52.258
8	MP4	X	26	%97.414
9	MP5	X	21	%54.93
10	MP5	X	21	%95.447
11	MP6	X	20.4	%84.499
12	MP6	X	20.4	%97.414
13	MP6	X	16.5	%44.025
14	MP6	X	16.5	%58.076
15	MP7	X	26	%50.533
16	MP7	X	26	%97.414
17	MP8	X	21	%54.93
18	MP8	X	21	%95.447
19	MP9	X	20.4	%84.499
20	MP9	X	20.4	%97.414
21	MP9	X	16.5	%44.025
22	MP9	X	16.5	%58.076
23	MP10	X	26	%50.533
24	MP10	X	26	%97.414
25	MP2	Z	-36.3	%55.792
26	MP2	Z	-36.3	%96.309
27	MP3	Z	-35.3	%84.499
28	MP3	Z	-35.3	%97.414
29	MP3	Z	-28.6	%44.025
30	MP3	Z	-28.6	%58.076
31	MP4	Z	-44.9	%52.258
32	MP4	Z	-44.9	%97.414
33	MP5	Z	-36.3	%54.93
34	MP5	Z	-36.3	%95.447
35	MP6	Z	-35.3	%84.499
36	MP6	Z	-35.3	%97.414
37	MP6	Z	-28.6	%44.025
38	MP6	Z	-28.6	%58.076
39	MP7	Z	-44.9	%50.533
40	MP7	Z	-44.9	%97.414
41	MP8	Z	-36.3	%54.93
42	MP8	Z	-36.3	%95.447
43	MP9	Z	-35.3	%84.499
44	MP9	Z	-35.3	%97.414
45	MP9	Z	-28.6	%44.025
46	MP9	Z	-28.6	%58.076
47	MP10	Z	-44.9	%50.533
48	MP10	Z	-44.9	%97.414

Member Point Loads (BLC 212 : Ant. Horiz. Seismic, Eh (330))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	36.3	%55.792
2	MP2	X	36.3	%96.309
3	MP3	X	35.3	%84.499
4	MP3	X	35.3	%97.414
5	MP3	X	28.6	%44.025
6	MP3	X	28.6	%58.076
7	MP4	X	44.9	%52.258
8	MP4	X	44.9	%97.414
9	MP5	X	36.3	%54.93
10	MP5	X	36.3	%95.447

Member Point Loads (BLC 212 : Ant. Horiz. Seismic, Eh (330)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
11	MP6	X	35.3	%84.499
12	MP6	X	35.3	%97.414
13	MP6	X	28.6	%44.025
14	MP6	X	28.6	%58.076
15	MP7	X	44.9	%50.533
16	MP7	X	44.9	%97.414
17	MP8	X	36.3	%54.93
18	MP8	X	36.3	%95.447
19	MP9	X	35.3	%84.499
20	MP9	X	35.3	%97.414
21	MP9	X	28.6	%44.025
22	MP9	X	28.6	%58.076
23	MP10	X	44.9	%50.533
24	MP10	X	44.9	%97.414
25	MP2	Z	-21	%55.792
26	MP2	Z	-21	%96.309
27	MP3	Z	-20.4	%84.499
28	MP3	Z	-20.4	%97.414
29	MP3	Z	-16.5	%44.025
30	MP3	Z	-16.5	%58.076
31	MP4	Z	-26	%52.258
32	MP4	Z	-26	%97.414
33	MP5	Z	-21	%54.93
34	MP5	Z	-21	%95.447
35	MP6	Z	-20.4	%84.499
36	MP6	Z	-20.4	%97.414
37	MP6	Z	-16.5	%44.025
38	MP6	Z	-16.5	%58.076
39	MP7	Z	-26	%50.533
40	MP7	Z	-26	%97.414
41	MP8	Z	-21	%54.93
42	MP8	Z	-21	%95.447
43	MP9	Z	-20.4	%84.499
44	MP9	Z	-20.4	%97.414
45	MP9	Z	-16.5	%44.025
46	MP9	Z	-16.5	%58.076
47	MP10	Z	-26	%50.533
48	MP10	Z	-26	%97.414

Member Distributed Loads (BLC 2 : Wind Load (0 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	COR-1	X	5.2	5.2	0	0
2	COR-2	X	5.2	5.2	0	0
3	COR-3	X	10.4	10.4	0	0
4	CORNER-H-1	X	12.9	12.9	0	0
5	CORNER-H-2	X	12.9	12.9	0	0
6	CORNER-H-3	X	0	0	0	0
7	FM-0	X	17.7	17.7	0	0
8	FM-120	X	8.8	8.8	0	0
9	FM-240	X	8.8	8.8	0	0
10	HORIZ-0	X	17.7	17.7	0	0
11	HORIZ-120	X	8.8	8.8	0	0
12	HORIZ-240	X	8.8	8.8	0	0
13	HR-0	X	8.4	8.4	0	0
14	HR-120	X	4.2	4.2	0	0

Member Distributed Loads (BLC 2 : Wind Load (0 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
15	HR-240	X	4.2	4.2	0	0
16	K-PL-1	X	24.5	24.5	0	0
17	K-PL-2	X	24.5	24.5	0	0
18	K-PL-3	X	0	0	0	0
19	K-PL-4	X	0	0	0	0
20	K-PL-5	X	24.5	24.5	0	0
21	K-PL-6	X	24.5	24.5	0	0
22	KICKER-1	X	22.8	22.8	0	0
23	KICKER-2	X	22.8	22.8	0	0
24	KICKER-3	X	0	0	0	0
25	SA-0-1	X	0	0	0	0
26	SA-0-2	X	0	0	0	0
27	SA-120-1	X	8.7	8.7	0	0
28	SA-120-2	X	10.1	10.1	0	0
29	SA-240-1	X	8.7	8.7	0	0
30	SA-240-2	X	10.1	10.1	0	0
31	RRU-SA-1	X	8.7	8.7	0	0
32	RRU-SA-2	X	8.7	8.7	0	0
33	RRU-SA-3	X	0	0	0	0
34	COR-1	Z	0	0	0	0
35	COR-2	Z	0	0	0	0
36	COR-3	Z	0	0	0	0
37	CORNER-H-1	Z	0	0	0	0
38	CORNER-H-2	Z	0	0	0	0
39	CORNER-H-3	Z	0	0	0	0
40	FM-0	Z	0	0	0	0
41	FM-120	Z	0	0	0	0
42	FM-240	Z	0	0	0	0
43	HORIZ-0	Z	0	0	0	0
44	HORIZ-120	Z	0	0	0	0
45	HORIZ-240	Z	0	0	0	0
46	HR-0	Z	0	0	0	0
47	HR-120	Z	0	0	0	0
48	HR-240	Z	0	0	0	0
49	K-PL-1	Z	0	0	0	0
50	K-PL-2	Z	0	0	0	0
51	K-PL-3	Z	0	0	0	0
52	K-PL-4	Z	0	0	0	0
53	K-PL-5	Z	0	0	0	0
54	K-PL-6	Z	0	0	0	0
55	KICKER-1	Z	0	0	0	0
56	KICKER-2	Z	0	0	0	0
57	KICKER-3	Z	0	0	0	0
58	SA-0-1	Z	0	0	0	0
59	SA-0-2	Z	0	0	0	0
60	SA-120-1	Z	0	0	0	0
61	SA-120-2	Z	0	0	0	0
62	SA-240-1	Z	0	0	0	0
63	SA-240-2	Z	0	0	0	0
64	RRU-SA-1	Z	0	0	0	0
65	RRU-SA-2	Z	0	0	0	0
66	RRU-SA-3	Z	0	0	0	0

Member Distributed Loads (BLC 3 : Wind Load (30 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	COR-1	X	0	0	0	0

Member Distributed Loads (BLC 3 : Wind Load (30 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
2	COR-2	X	7.8	7.8	0	0
3	COR-3	X	7.8	7.8	0	0
4	CORNER-H-1	X	12.9	12.9	0	0
5	CORNER-H-2	X	6.4	6.4	0	0
6	CORNER-H-3	X	6.4	6.4	0	0
7	FM-0	X	13.3	13.3	0	0
8	FM-120	X	0	0	0	0
9	FM-240	X	13.3	13.3	0	0
10	HORIZ-0	X	13.3	13.3	0	0
11	HORIZ-120	X	0	0	0	0
12	HORIZ-240	X	13.3	13.3	0	0
13	HR-0	X	6.3	6.3	0	0
14	HR-120	X	0	0	0	0
15	HR-240	X	6.3	6.3	0	0
16	K-PL-1	X	24.5	24.5	0	0
17	K-PL-2	X	24.5	24.5	0	0
18	K-PL-3	X	12.3	12.3	0	0
19	K-PL-4	X	12.3	12.3	0	0
20	K-PL-5	X	12.3	12.3	0	0
21	K-PL-6	X	12.3	12.3	0	0
22	KICKER-1	X	22.8	22.8	0	0
23	KICKER-2	X	11.4	11.4	0	0
24	KICKER-3	X	11.4	11.4	0	0
25	SA-0-1	X	4.3	4.3	0	0
26	SA-0-2	X	5.1	5.1	0	0
27	SA-120-1	X	8.7	8.7	0	0
28	SA-120-2	X	10.1	10.1	0	0
29	SA-240-1	X	4.3	4.3	0	0
30	SA-240-2	X	5.1	5.1	0	0
31	RRU-SA-1	X	8.7	8.7	0	0
32	RRU-SA-2	X	4.3	4.3	0	0
33	RRU-SA-3	X	4.3	4.3	0	0
34	COR-1	Z	0	0	0	0
35	COR-2	Z	4.5	4.5	0	0
36	COR-3	Z	4.5	4.5	0	0
37	CORNER-H-1	Z	7.4	7.4	0	0
38	CORNER-H-2	Z	3.7	3.7	0	0
39	CORNER-H-3	Z	3.7	3.7	0	0
40	FM-0	Z	7.7	7.7	0	0
41	FM-120	Z	0	0	0	0
42	FM-240	Z	7.7	7.7	0	0
43	HORIZ-0	Z	7.7	7.7	0	0
44	HORIZ-120	Z	0	0	0	0
45	HORIZ-240	Z	7.7	7.7	0	0
46	HR-0	Z	3.6	3.6	0	0
47	HR-120	Z	0	0	0	0
48	HR-240	Z	3.6	3.6	0	0
49	K-PL-1	Z	14.2	14.2	0	0
50	K-PL-2	Z	14.2	14.2	0	0
51	K-PL-3	Z	7.1	7.1	0	0
52	K-PL-4	Z	7.1	7.1	0	0
53	K-PL-5	Z	7.1	7.1	0	0
54	K-PL-6	Z	7.1	7.1	0	0
55	KICKER-1	Z	13.2	13.2	0	0
56	KICKER-2	Z	6.6	6.6	0	0
57	KICKER-3	Z	6.6	6.6	0	0
58	SA-0-1	Z	2.5	2.5	0	0

Member Distributed Loads (BLC 3 : Wind Load (30 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
59	SA-0-2	Z	2.9	2.9	0	0
60	SA-120-1	Z	5	5	0	0
61	SA-120-2	Z	5.8	5.8	0	0
62	SA-240-1	Z	2.5	2.5	0	0
63	SA-240-2	Z	2.9	2.9	0	0
64	RRU-SA-1	Z	5	5	0	0
65	RRU-SA-2	Z	2.5	2.5	0	0
66	RRU-SA-3	Z	2.5	2.5	0	0

Member Distributed Loads (BLC 4 : Wind Load (60 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	COR-1	X	2.6	2.6	0	0
2	COR-2	X	5.2	5.2	0	0
3	COR-3	X	2.6	2.6	0	0
4	CORNER-H-1	X	6.4	6.4	0	0
5	CORNER-H-2	X	0	0	0	0
6	CORNER-H-3	X	6.4	6.4	0	0
7	FM-0	X	4.4	4.4	0	0
8	FM-120	X	4.4	4.4	0	0
9	FM-240	X	8.8	8.8	0	0
10	HORIZ-0	X	4.4	4.4	0	0
11	HORIZ-120	X	4.4	4.4	0	0
12	HORIZ-240	X	8.8	8.8	0	0
13	HR-0	X	2.1	2.1	0	0
14	HR-120	X	2.1	2.1	0	0
15	HR-240	X	4.2	4.2	0	0
16	K-PL-1	X	12.3	12.3	0	0
17	K-PL-2	X	12.3	12.3	0	0
18	K-PL-3	X	12.3	12.3	0	0
19	K-PL-4	X	12.3	12.3	0	0
20	K-PL-5	X	0	0	0	0
21	K-PL-6	X	0	0	0	0
22	KICKER-1	X	11.4	11.4	0	0
23	KICKER-2	X	0	0	0	0
24	KICKER-3	X	11.4	11.4	0	0
25	SA-0-1	X	4.3	4.3	0	0
26	SA-0-2	X	5.1	5.1	0	0
27	SA-120-1	X	4.3	4.3	0	0
28	SA-120-2	X	5.1	5.1	0	0
29	SA-240-1	X	0	0	0	0
30	SA-240-2	X	0	0	0	0
31	RRU-SA-1	X	4.3	4.3	0	0
32	RRU-SA-2	X	0	0	0	0
33	RRU-SA-3	X	4.3	4.3	0	0
34	COR-1	Z	4.5	4.5	0	0
35	COR-2	Z	9	9	0	0
36	COR-3	Z	4.5	4.5	0	0
37	CORNER-H-1	Z	11.1	11.1	0	0
38	CORNER-H-2	Z	0	0	0	0
39	CORNER-H-3	Z	11.1	11.1	0	0
40	FM-0	Z	7.7	7.7	0	0
41	FM-120	Z	7.7	7.7	0	0
42	FM-240	Z	15.3	15.3	0	0
43	HORIZ-0	Z	7.7	7.7	0	0
44	HORIZ-120	Z	7.7	7.7	0	0
45	HORIZ-240	Z	15.3	15.3	0	0

Member Distributed Loads (BLC 4 : Wind Load (60 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
46	HR-0	Z	3.6	3.6	0	0
47	HR-120	Z	3.6	3.6	0	0
48	HR-240	Z	7.3	7.3	0	0
49	K-PL-1	Z	21.2	21.2	0	0
50	K-PL-2	Z	21.2	21.2	0	0
51	K-PL-3	Z	21.2	21.2	0	0
52	K-PL-4	Z	21.2	21.2	0	0
53	K-PL-5	Z	0	0	0	0
54	K-PL-6	Z	0	0	0	0
55	KICKER-1	Z	19.8	19.8	0	0
56	KICKER-2	Z	0	0	0	0
57	KICKER-3	Z	19.8	19.8	0	0
58	SA-0-1	Z	7.5	7.5	0	0
59	SA-0-2	Z	8.7	8.7	0	0
60	SA-120-1	Z	7.5	7.5	0	0
61	SA-120-2	Z	8.7	8.7	0	0
62	SA-240-1	Z	0	0	0	0
63	SA-240-2	Z	0	0	0	0
64	RRU-SA-1	Z	7.5	7.5	0	0
65	RRU-SA-2	Z	0	0	0	0
66	RRU-SA-3	Z	7.5	7.5	0	0

Member Distributed Loads (BLC 5 : Wind Load (90 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	COR-1	X	0	0	0	0
2	COR-2	X	0	0	0	0
3	COR-3	X	0	0	0	0
4	CORNER-H-1	X	0	0	0	0
5	CORNER-H-2	X	0	0	0	0
6	CORNER-H-3	X	0	0	0	0
7	FM-0	X	0	0	0	0
8	FM-120	X	0	0	0	0
9	FM-240	X	0	0	0	0
10	HORIZ-0	X	0	0	0	0
11	HORIZ-120	X	0	0	0	0
12	HORIZ-240	X	0	0	0	0
13	HR-0	X	0	0	0	0
14	HR-120	X	0	0	0	0
15	HR-240	X	0	0	0	0
16	K-PL-1	X	0	0	0	0
17	K-PL-2	X	0	0	0	0
18	K-PL-3	X	0	0	0	0
19	K-PL-4	X	0	0	0	0
20	K-PL-5	X	0	0	0	0
21	K-PL-6	X	0	0	0	0
22	KICKER-1	X	0	0	0	0
23	KICKER-2	X	0	0	0	0
24	KICKER-3	X	0	0	0	0
25	SA-0-1	X	0	0	0	0
26	SA-0-2	X	0	0	0	0
27	SA-120-1	X	0	0	0	0
28	SA-120-2	X	0	0	0	0
29	SA-240-1	X	0	0	0	0
30	SA-240-2	X	0	0	0	0
31	RRU-SA-1	X	0	0	0	0
32	RRU-SA-2	X	0	0	0	0

Member Distributed Loads (BLC 5 : Wind Load (90 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
33	RRU-SA-3	X	0	0	0	0
34	COR-1	Z	9	9	0	0
35	COR-2	Z	9	9	0	0
36	COR-3	Z	0	0	0	0
37	CORNER-H-1	Z	7.4	7.4	0	0
38	CORNER-H-2	Z	7.4	7.4	0	0
39	CORNER-H-3	Z	14.8	14.8	0	0
40	FM-0	Z	0	0	0	0
41	FM-120	Z	15.3	15.3	0	0
42	FM-240	Z	15.3	15.3	0	0
43	HORIZ-0	Z	0	0	0	0
44	HORIZ-120	Z	15.3	15.3	0	0
45	HORIZ-240	Z	15.3	15.3	0	0
46	HR-0	Z	0	0	0	0
47	HR-120	Z	7.3	7.3	0	0
48	HR-240	Z	7.3	7.3	0	0
49	K-PL-1	Z	14.2	14.2	0	0
50	K-PL-2	Z	14.2	14.2	0	0
51	K-PL-3	Z	28.3	28.3	0	0
52	K-PL-4	Z	28.3	28.3	0	0
53	K-PL-5	Z	14.2	14.2	0	0
54	K-PL-6	Z	14.2	14.2	0	0
55	KICKER-1	Z	13.2	13.2	0	0
56	KICKER-2	Z	13.2	13.2	0	0
57	KICKER-3	Z	26.3	26.3	0	0
58	SA-0-1	Z	10	10	0	0
59	SA-0-2	Z	11.7	11.7	0	0
60	SA-120-1	Z	5	5	0	0
61	SA-120-2	Z	5.8	5.8	0	0
62	SA-240-1	Z	5	5	0	0
63	SA-240-2	Z	5.8	5.8	0	0
64	RRU-SA-1	Z	5	5	0	0
65	RRU-SA-2	Z	5	5	0	0
66	RRU-SA-3	Z	10	10	0	0

Member Distributed Loads (BLC 6 : Wind Load (120 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	COR-1	X	-5.2	-5.2	0	0
2	COR-2	X	-2.6	-2.6	0	0
3	COR-3	X	-2.6	-2.6	0	0
4	CORNER-H-1	X	0	0	0	0
5	CORNER-H-2	X	-6.4	-6.4	0	0
6	CORNER-H-3	X	-6.4	-6.4	0	0
7	FM-0	X	-4.4	-4.4	0	0
8	FM-120	X	-8.8	-8.8	0	0
9	FM-240	X	-4.4	-4.4	0	0
10	HORIZ-0	X	-4.4	-4.4	0	0
11	HORIZ-120	X	-8.8	-8.8	0	0
12	HORIZ-240	X	-4.4	-4.4	0	0
13	HR-0	X	-2.1	-2.1	0	0
14	HR-120	X	-4.2	-4.2	0	0
15	HR-240	X	-2.1	-2.1	0	0
16	K-PL-1	X	0	0	0	0
17	K-PL-2	X	0	0	0	0
18	K-PL-3	X	-12.3	-12.3	0	0
19	K-PL-4	X	-12.3	-12.3	0	0

Member Distributed Loads (BLC 6 : Wind Load (120 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
20	K-PL-5	X	-12.3	-12.3	0	0
21	K-PL-6	X	-12.3	-12.3	0	0
22	KICKER-1	X	0	0	0	0
23	KICKER-2	X	-11.4	-11.4	0	0
24	KICKER-3	X	-11.4	-11.4	0	0
25	SA-0-1	X	-4.3	-4.3	0	0
26	SA-0-2	X	-5.1	-5.1	0	0
27	SA-120-1	X	0	0	0	0
28	SA-120-2	X	0	0	0	0
29	SA-240-1	X	-4.3	-4.3	0	0
30	SA-240-2	X	-5.1	-5.1	0	0
31	RRU-SA-1	X	0	0	0	0
32	RRU-SA-2	X	-4.3	-4.3	0	0
33	RRU-SA-3	X	-4.3	-4.3	0	0
34	COR-1	Z	9	9	0	0
35	COR-2	Z	4.5	4.5	0	0
36	COR-3	Z	4.5	4.5	0	0
37	CORNER-H-1	Z	0	0	0	0
38	CORNER-H-2	Z	11.1	11.1	0	0
39	CORNER-H-3	Z	11.1	11.1	0	0
40	FM-0	Z	7.7	7.7	0	0
41	FM-120	Z	15.3	15.3	0	0
42	FM-240	Z	7.7	7.7	0	0
43	HORIZ-0	Z	7.7	7.7	0	0
44	HORIZ-120	Z	15.3	15.3	0	0
45	HORIZ-240	Z	7.7	7.7	0	0
46	HR-0	Z	3.6	3.6	0	0
47	HR-120	Z	7.3	7.3	0	0
48	HR-240	Z	3.6	3.6	0	0
49	K-PL-1	Z	0	0	0	0
50	K-PL-2	Z	0	0	0	0
51	K-PL-3	Z	21.2	21.2	0	0
52	K-PL-4	Z	21.2	21.2	0	0
53	K-PL-5	Z	21.2	21.2	0	0
54	K-PL-6	Z	21.2	21.2	0	0
55	KICKER-1	Z	0	0	0	0
56	KICKER-2	Z	19.8	19.8	0	0
57	KICKER-3	Z	19.8	19.8	0	0
58	SA-0-1	Z	7.5	7.5	0	0
59	SA-0-2	Z	8.7	8.7	0	0
60	SA-120-1	Z	0	0	0	0
61	SA-120-2	Z	0	0	0	0
62	SA-240-1	Z	7.5	7.5	0	0
63	SA-240-2	Z	8.7	8.7	0	0
64	RRU-SA-1	Z	0	0	0	0
65	RRU-SA-2	Z	7.5	7.5	0	0
66	RRU-SA-3	Z	7.5	7.5	0	0

Member Distributed Loads (BLC 7 : Wind Load (150 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	COR-1	X	-7.8	-7.8	0	0
2	COR-2	X	0	0	0	0
3	COR-3	X	-7.8	-7.8	0	0
4	CORNER-H-1	X	-6.4	-6.4	0	0
5	CORNER-H-2	X	-12.9	-12.9	0	0
6	CORNER-H-3	X	-6.4	-6.4	0	0

Member Distributed Loads (BLC 7 : Wind Load (150 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
7	FM-0	X	-13.3	-13.3	0	0
8	FM-120	X	-13.3	-13.3	0	0
9	FM-240	X	0	0	0	0
10	HORIZ-0	X	-13.3	-13.3	0	0
11	HORIZ-120	X	-13.3	-13.3	0	0
12	HORIZ-240	X	0	0	0	0
13	HR-0	X	-6.3	-6.3	0	0
14	HR-120	X	-6.3	-6.3	0	0
15	HR-240	X	0	0	0	0
16	K-PL-1	X	-12.3	-12.3	0	0
17	K-PL-2	X	-12.3	-12.3	0	0
18	K-PL-3	X	-12.3	-12.3	0	0
19	K-PL-4	X	-12.3	-12.3	0	0
20	K-PL-5	X	-24.5	-24.5	0	0
21	K-PL-6	X	-24.5	-24.5	0	0
22	KICKER-1	X	-11.4	-11.4	0	0
23	KICKER-2	X	-22.8	-22.8	0	0
24	KICKER-3	X	-11.4	-11.4	0	0
25	SA-0-1	X	-4.3	-4.3	0	0
26	SA-0-2	X	-5.1	-5.1	0	0
27	SA-120-1	X	-4.3	-4.3	0	0
28	SA-120-2	X	-5.1	-5.1	0	0
29	SA-240-1	X	-8.7	-8.7	0	0
30	SA-240-2	X	-10.1	-10.1	0	0
31	RRU-SA-1	X	-4.3	-4.3	0	0
32	RRU-SA-2	X	-8.7	-8.7	0	0
33	RRU-SA-3	X	-4.3	-4.3	0	0
34	COR-1	Z	4.5	4.5	0	0
35	COR-2	Z	0	0	0	0
36	COR-3	Z	4.5	4.5	0	0
37	CORNER-H-1	Z	3.7	3.7	0	0
38	CORNER-H-2	Z	7.4	7.4	0	0
39	CORNER-H-3	Z	3.7	3.7	0	0
40	FM-0	Z	7.7	7.7	0	0
41	FM-120	Z	7.7	7.7	0	0
42	FM-240	Z	0	0	0	0
43	HORIZ-0	Z	7.7	7.7	0	0
44	HORIZ-120	Z	7.7	7.7	0	0
45	HORIZ-240	Z	0	0	0	0
46	HR-0	Z	3.6	3.6	0	0
47	HR-120	Z	3.6	3.6	0	0
48	HR-240	Z	0	0	0	0
49	K-PL-1	Z	7.1	7.1	0	0
50	K-PL-2	Z	7.1	7.1	0	0
51	K-PL-3	Z	7.1	7.1	0	0
52	K-PL-4	Z	7.1	7.1	0	0
53	K-PL-5	Z	14.2	14.2	0	0
54	K-PL-6	Z	14.2	14.2	0	0
55	KICKER-1	Z	6.6	6.6	0	0
56	KICKER-2	Z	13.2	13.2	0	0
57	KICKER-3	Z	6.6	6.6	0	0
58	SA-0-1	Z	2.5	2.5	0	0
59	SA-0-2	Z	2.9	2.9	0	0
60	SA-120-1	Z	2.5	2.5	0	0
61	SA-120-2	Z	2.9	2.9	0	0
62	SA-240-1	Z	5	5	0	0
63	SA-240-2	Z	5.8	5.8	0	0

Member Distributed Loads (BLC 7 : Wind Load (150 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
64	RRU-SA-1	Z	2.5	2.5	0	0
65	RRU-SA-2	Z	5	5	0	0
66	RRU-SA-3	Z	2.5	2.5	0	0

Member Distributed Loads (BLC 8 : Wind Load (180 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	COR-1	X	-5.2	-5.2	0	0
2	COR-2	X	-5.2	-5.2	0	0
3	COR-3	X	-10.4	-10.4	0	0
4	CORNER-H-1	X	-12.9	-12.9	0	0
5	CORNER-H-2	X	-12.9	-12.9	0	0
6	CORNER-H-3	X	0	0	0	0
7	FM-0	X	-17.7	-17.7	0	0
8	FM-120	X	-8.8	-8.8	0	0
9	FM-240	X	-8.8	-8.8	0	0
10	HORIZ-0	X	-17.7	-17.7	0	0
11	HORIZ-120	X	-8.8	-8.8	0	0
12	HORIZ-240	X	-8.8	-8.8	0	0
13	HR-0	X	-8.4	-8.4	0	0
14	HR-120	X	-4.2	-4.2	0	0
15	HR-240	X	-4.2	-4.2	0	0
16	K-PL-1	X	-24.5	-24.5	0	0
17	K-PL-2	X	-24.5	-24.5	0	0
18	K-PL-3	X	0	0	0	0
19	K-PL-4	X	0	0	0	0
20	K-PL-5	X	-24.5	-24.5	0	0
21	K-PL-6	X	-24.5	-24.5	0	0
22	KICKER-1	X	-22.8	-22.8	0	0
23	KICKER-2	X	-22.8	-22.8	0	0
24	KICKER-3	X	0	0	0	0
25	SA-0-1	X	0	0	0	0
26	SA-0-2	X	0	0	0	0
27	SA-120-1	X	-8.7	-8.7	0	0
28	SA-120-2	X	-10.1	-10.1	0	0
29	SA-240-1	X	-8.7	-8.7	0	0
30	SA-240-2	X	-10.1	-10.1	0	0
31	RRU-SA-1	X	-8.7	-8.7	0	0
32	RRU-SA-2	X	-8.7	-8.7	0	0
33	RRU-SA-3	X	0	0	0	0
34	COR-1	Z	0	0	0	0
35	COR-2	Z	0	0	0	0
36	COR-3	Z	0	0	0	0
37	CORNER-H-1	Z	0	0	0	0
38	CORNER-H-2	Z	0	0	0	0
39	CORNER-H-3	Z	0	0	0	0
40	FM-0	Z	0	0	0	0
41	FM-120	Z	0	0	0	0
42	FM-240	Z	0	0	0	0
43	HORIZ-0	Z	0	0	0	0
44	HORIZ-120	Z	0	0	0	0
45	HORIZ-240	Z	0	0	0	0
46	HR-0	Z	0	0	0	0
47	HR-120	Z	0	0	0	0
48	HR-240	Z	0	0	0	0
49	K-PL-1	Z	0	0	0	0
50	K-PL-2	Z	0	0	0	0

Member Distributed Loads (BLC 8 : Wind Load (180 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
51	K-PL-3	Z	0	0	0	0
52	K-PL-4	Z	0	0	0	0
53	K-PL-5	Z	0	0	0	0
54	K-PL-6	Z	0	0	0	0
55	KICKER-1	Z	0	0	0	0
56	KICKER-2	Z	0	0	0	0
57	KICKER-3	Z	0	0	0	0
58	SA-0-1	Z	0	0	0	0
59	SA-0-2	Z	0	0	0	0
60	SA-120-1	Z	0	0	0	0
61	SA-120-2	Z	0	0	0	0
62	SA-240-1	Z	0	0	0	0
63	SA-240-2	Z	0	0	0	0
64	RRU-SA-1	Z	0	0	0	0
65	RRU-SA-2	Z	0	0	0	0
66	RRU-SA-3	Z	0	0	0	0

Member Distributed Loads (BLC 9 : Wind Load (210 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	COR-1	X	0	0	0	0
2	COR-2	X	-7.8	-7.8	0	0
3	COR-3	X	-7.8	-7.8	0	0
4	CORNER-H-1	X	-12.9	-12.9	0	0
5	CORNER-H-2	X	-6.4	-6.4	0	0
6	CORNER-H-3	X	-6.4	-6.4	0	0
7	FM-0	X	-13.3	-13.3	0	0
8	FM-120	X	0	0	0	0
9	FM-240	X	-13.3	-13.3	0	0
10	HORIZ-0	X	-13.3	-13.3	0	0
11	HORIZ-120	X	0	0	0	0
12	HORIZ-240	X	-13.3	-13.3	0	0
13	HR-0	X	-6.3	-6.3	0	0
14	HR-120	X	0	0	0	0
15	HR-240	X	-6.3	-6.3	0	0
16	K-PL-1	X	-24.5	-24.5	0	0
17	K-PL-2	X	-24.5	-24.5	0	0
18	K-PL-3	X	-12.3	-12.3	0	0
19	K-PL-4	X	-12.3	-12.3	0	0
20	K-PL-5	X	-12.3	-12.3	0	0
21	K-PL-6	X	-12.3	-12.3	0	0
22	KICKER-1	X	-22.8	-22.8	0	0
23	KICKER-2	X	-11.4	-11.4	0	0
24	KICKER-3	X	-11.4	-11.4	0	0
25	SA-0-1	X	-4.3	-4.3	0	0
26	SA-0-2	X	-5.1	-5.1	0	0
27	SA-120-1	X	-8.7	-8.7	0	0
28	SA-120-2	X	-10.1	-10.1	0	0
29	SA-240-1	X	-4.3	-4.3	0	0
30	SA-240-2	X	-5.1	-5.1	0	0
31	RRU-SA-1	X	-8.7	-8.7	0	0
32	RRU-SA-2	X	-4.3	-4.3	0	0
33	RRU-SA-3	X	-4.3	-4.3	0	0
34	COR-1	Z	0	0	0	0
35	COR-2	Z	-4.5	-4.5	0	0
36	COR-3	Z	-4.5	-4.5	0	0
37	CORNER-H-1	Z	-7.4	-7.4	0	0

Member Distributed Loads (BLC 9 : Wind Load (210 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
38	CORNER-H-2	Z	-3.7	-3.7	0	0
39	CORNER-H-3	Z	-3.7	-3.7	0	0
40	FM-0	Z	-7.7	-7.7	0	0
41	FM-120	Z	0	0	0	0
42	FM-240	Z	-7.7	-7.7	0	0
43	HORIZ-0	Z	-7.7	-7.7	0	0
44	HORIZ-120	Z	0	0	0	0
45	HORIZ-240	Z	-7.7	-7.7	0	0
46	HR-0	Z	-3.6	-3.6	0	0
47	HR-120	Z	0	0	0	0
48	HR-240	Z	-3.6	-3.6	0	0
49	K-PL-1	Z	-14.2	-14.2	0	0
50	K-PL-2	Z	-14.2	-14.2	0	0
51	K-PL-3	Z	-7.1	-7.1	0	0
52	K-PL-4	Z	-7.1	-7.1	0	0
53	K-PL-5	Z	-7.1	-7.1	0	0
54	K-PL-6	Z	-7.1	-7.1	0	0
55	KICKER-1	Z	-13.2	-13.2	0	0
56	KICKER-2	Z	-6.6	-6.6	0	0
57	KICKER-3	Z	-6.6	-6.6	0	0
58	SA-0-1	Z	-2.5	-2.5	0	0
59	SA-0-2	Z	-2.9	-2.9	0	0
60	SA-120-1	Z	-5	-5	0	0
61	SA-120-2	Z	-5.8	-5.8	0	0
62	SA-240-1	Z	-2.5	-2.5	0	0
63	SA-240-2	Z	-2.9	-2.9	0	0
64	RRU-SA-1	Z	-5	-5	0	0
65	RRU-SA-2	Z	-2.5	-2.5	0	0
66	RRU-SA-3	Z	-2.5	-2.5	0	0

Member Distributed Loads (BLC 10 : Wind Load (240 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	COR-1	X	-2.6	-2.6	0	0
2	COR-2	X	-5.2	-5.2	0	0
3	COR-3	X	-2.6	-2.6	0	0
4	CORNER-H-1	X	-6.4	-6.4	0	0
5	CORNER-H-2	X	0	0	0	0
6	CORNER-H-3	X	-6.4	-6.4	0	0
7	FM-0	X	-4.4	-4.4	0	0
8	FM-120	X	-4.4	-4.4	0	0
9	FM-240	X	-8.8	-8.8	0	0
10	HORIZ-0	X	-4.4	-4.4	0	0
11	HORIZ-120	X	-4.4	-4.4	0	0
12	HORIZ-240	X	-8.8	-8.8	0	0
13	HR-0	X	-2.1	-2.1	0	0
14	HR-120	X	-2.1	-2.1	0	0
15	HR-240	X	-4.2	-4.2	0	0
16	K-PL-1	X	-12.3	-12.3	0	0
17	K-PL-2	X	-12.3	-12.3	0	0
18	K-PL-3	X	-12.3	-12.3	0	0
19	K-PL-4	X	-12.3	-12.3	0	0
20	K-PL-5	X	0	0	0	0
21	K-PL-6	X	0	0	0	0
22	KICKER-1	X	-11.4	-11.4	0	0
23	KICKER-2	X	0	0	0	0
24	KICKER-3	X	-11.4	-11.4	0	0

Member Distributed Loads (BLC 10 : Wind Load (240 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
25	SA-0-1	X	-4.3	-4.3	0	0
26	SA-0-2	X	-5.1	-5.1	0	0
27	SA-120-1	X	-4.3	-4.3	0	0
28	SA-120-2	X	-5.1	-5.1	0	0
29	SA-240-1	X	0	0	0	0
30	SA-240-2	X	0	0	0	0
31	RRU-SA-1	X	-4.3	-4.3	0	0
32	RRU-SA-2	X	0	0	0	0
33	RRU-SA-3	X	-4.3	-4.3	0	0
34	COR-1	Z	-4.5	-4.5	0	0
35	COR-2	Z	-9	-9	0	0
36	COR-3	Z	-4.5	-4.5	0	0
37	CORNER-H-1	Z	-11.1	-11.1	0	0
38	CORNER-H-2	Z	0	0	0	0
39	CORNER-H-3	Z	-11.1	-11.1	0	0
40	FM-0	Z	-7.7	-7.7	0	0
41	FM-120	Z	-7.7	-7.7	0	0
42	FM-240	Z	-15.3	-15.3	0	0
43	HORIZ-0	Z	-7.7	-7.7	0	0
44	HORIZ-120	Z	-7.7	-7.7	0	0
45	HORIZ-240	Z	-15.3	-15.3	0	0
46	HR-0	Z	-3.6	-3.6	0	0
47	HR-120	Z	-3.6	-3.6	0	0
48	HR-240	Z	-7.3	-7.3	0	0
49	K-PL-1	Z	-21.2	-21.2	0	0
50	K-PL-2	Z	-21.2	-21.2	0	0
51	K-PL-3	Z	-21.2	-21.2	0	0
52	K-PL-4	Z	-21.2	-21.2	0	0
53	K-PL-5	Z	0	0	0	0
54	K-PL-6	Z	0	0	0	0
55	KICKER-1	Z	-19.8	-19.8	0	0
56	KICKER-2	Z	0	0	0	0
57	KICKER-3	Z	-19.8	-19.8	0	0
58	SA-0-1	Z	-7.5	-7.5	0	0
59	SA-0-2	Z	-8.7	-8.7	0	0
60	SA-120-1	Z	-7.5	-7.5	0	0
61	SA-120-2	Z	-8.7	-8.7	0	0
62	SA-240-1	Z	0	0	0	0
63	SA-240-2	Z	0	0	0	0
64	RRU-SA-1	Z	-7.5	-7.5	0	0
65	RRU-SA-2	Z	0	0	0	0
66	RRU-SA-3	Z	-7.5	-7.5	0	0

Member Distributed Loads (BLC 11 : Wind Load (270 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	COR-1	X	0	0	0	0
2	COR-2	X	0	0	0	0
3	COR-3	X	0	0	0	0
4	CORNER-H-1	X	0	0	0	0
5	CORNER-H-2	X	0	0	0	0
6	CORNER-H-3	X	0	0	0	0
7	FM-0	X	0	0	0	0
8	FM-120	X	0	0	0	0
9	FM-240	X	0	0	0	0
10	HORIZ-0	X	0	0	0	0
11	HORIZ-120	X	0	0	0	0

Member Distributed Loads (BLC 11 : Wind Load (270 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
12	HORIZ-240	X	0	0	0	0
13	HR-0	X	0	0	0	0
14	HR-120	X	0	0	0	0
15	HR-240	X	0	0	0	0
16	K-PL-1	X	0	0	0	0
17	K-PL-2	X	0	0	0	0
18	K-PL-3	X	0	0	0	0
19	K-PL-4	X	0	0	0	0
20	K-PL-5	X	0	0	0	0
21	K-PL-6	X	0	0	0	0
22	KICKER-1	X	0	0	0	0
23	KICKER-2	X	0	0	0	0
24	KICKER-3	X	0	0	0	0
25	SA-0-1	X	0	0	0	0
26	SA-0-2	X	0	0	0	0
27	SA-120-1	X	0	0	0	0
28	SA-120-2	X	0	0	0	0
29	SA-240-1	X	0	0	0	0
30	SA-240-2	X	0	0	0	0
31	RRU-SA-1	X	0	0	0	0
32	RRU-SA-2	X	0	0	0	0
33	RRU-SA-3	X	0	0	0	0
34	COR-1	Z	-9	-9	0	0
35	COR-2	Z	-9	-9	0	0
36	COR-3	Z	0	0	0	0
37	CORNER-H-1	Z	-7.4	-7.4	0	0
38	CORNER-H-2	Z	-7.4	-7.4	0	0
39	CORNER-H-3	Z	-14.8	-14.8	0	0
40	FM-0	Z	0	0	0	0
41	FM-120	Z	-15.3	-15.3	0	0
42	FM-240	Z	-15.3	-15.3	0	0
43	HORIZ-0	Z	0	0	0	0
44	HORIZ-120	Z	-15.3	-15.3	0	0
45	HORIZ-240	Z	-15.3	-15.3	0	0
46	HR-0	Z	0	0	0	0
47	HR-120	Z	-7.3	-7.3	0	0
48	HR-240	Z	-7.3	-7.3	0	0
49	K-PL-1	Z	-14.2	-14.2	0	0
50	K-PL-2	Z	-14.2	-14.2	0	0
51	K-PL-3	Z	-28.3	-28.3	0	0
52	K-PL-4	Z	-28.3	-28.3	0	0
53	K-PL-5	Z	-14.2	-14.2	0	0
54	K-PL-6	Z	-14.2	-14.2	0	0
55	KICKER-1	Z	-13.2	-13.2	0	0
56	KICKER-2	Z	-13.2	-13.2	0	0
57	KICKER-3	Z	-26.3	-26.3	0	0
58	SA-0-1	Z	-10	-10	0	0
59	SA-0-2	Z	-11.7	-11.7	0	0
60	SA-120-1	Z	-5	-5	0	0
61	SA-120-2	Z	-5.8	-5.8	0	0
62	SA-240-1	Z	-5	-5	0	0
63	SA-240-2	Z	-5.8	-5.8	0	0
64	RRU-SA-1	Z	-5	-5	0	0
65	RRU-SA-2	Z	-5	-5	0	0
66	RRU-SA-3	Z	-10	-10	0	0

Member Distributed Loads (BLC 12 : Wind Load (300 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	COR-1	X	5.2	5.2	0	0
2	COR-2	X	2.6	2.6	0	0
3	COR-3	X	2.6	2.6	0	0
4	CORNER-H-1	X	0	0	0	0
5	CORNER-H-2	X	6.4	6.4	0	0
6	CORNER-H-3	X	6.4	6.4	0	0
7	FM-0	X	4.4	4.4	0	0
8	FM-120	X	8.8	8.8	0	0
9	FM-240	X	4.4	4.4	0	0
10	HORIZ-0	X	4.4	4.4	0	0
11	HORIZ-120	X	8.8	8.8	0	0
12	HORIZ-240	X	4.4	4.4	0	0
13	HR-0	X	2.1	2.1	0	0
14	HR-120	X	4.2	4.2	0	0
15	HR-240	X	2.1	2.1	0	0
16	K-PL-1	X	0	0	0	0
17	K-PL-2	X	0	0	0	0
18	K-PL-3	X	12.3	12.3	0	0
19	K-PL-4	X	12.3	12.3	0	0
20	K-PL-5	X	12.3	12.3	0	0
21	K-PL-6	X	12.3	12.3	0	0
22	KICKER-1	X	0	0	0	0
23	KICKER-2	X	11.4	11.4	0	0
24	KICKER-3	X	11.4	11.4	0	0
25	SA-0-1	X	4.3	4.3	0	0
26	SA-0-2	X	5.1	5.1	0	0
27	SA-120-1	X	0	0	0	0
28	SA-120-2	X	0	0	0	0
29	SA-240-1	X	4.3	4.3	0	0
30	SA-240-2	X	5.1	5.1	0	0
31	RRU-SA-1	X	0	0	0	0
32	RRU-SA-2	X	4.3	4.3	0	0
33	RRU-SA-3	X	4.3	4.3	0	0
34	COR-1	Z	-9	-9	0	0
35	COR-2	Z	-4.5	-4.5	0	0
36	COR-3	Z	-4.5	-4.5	0	0
37	CORNER-H-1	Z	0	0	0	0
38	CORNER-H-2	Z	-11.1	-11.1	0	0
39	CORNER-H-3	Z	-11.1	-11.1	0	0
40	FM-0	Z	-7.7	-7.7	0	0
41	FM-120	Z	-15.3	-15.3	0	0
42	FM-240	Z	-7.7	-7.7	0	0
43	HORIZ-0	Z	-7.7	-7.7	0	0
44	HORIZ-120	Z	-15.3	-15.3	0	0
45	HORIZ-240	Z	-7.7	-7.7	0	0
46	HR-0	Z	-3.6	-3.6	0	0
47	HR-120	Z	-7.3	-7.3	0	0
48	HR-240	Z	-3.6	-3.6	0	0
49	K-PL-1	Z	0	0	0	0
50	K-PL-2	Z	0	0	0	0
51	K-PL-3	Z	-21.2	-21.2	0	0
52	K-PL-4	Z	-21.2	-21.2	0	0
53	K-PL-5	Z	-21.2	-21.2	0	0
54	K-PL-6	Z	-21.2	-21.2	0	0
55	KICKER-1	Z	0	0	0	0
56	KICKER-2	Z	-19.8	-19.8	0	0
57	KICKER-3	Z	-19.8	-19.8	0	0

Member Distributed Loads (BLC 12 : Wind Load (300 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
58	SA-0-1	Z	-7.5	-7.5	0	0
59	SA-0-2	Z	-8.7	-8.7	0	0
60	SA-120-1	Z	0	0	0	0
61	SA-120-2	Z	0	0	0	0
62	SA-240-1	Z	-7.5	-7.5	0	0
63	SA-240-2	Z	-8.7	-8.7	0	0
64	RRU-SA-1	Z	0	0	0	0
65	RRU-SA-2	Z	-7.5	-7.5	0	0
66	RRU-SA-3	Z	-7.5	-7.5	0	0

Member Distributed Loads (BLC 13 : Wind Load (330 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	COR-1	X	7.8	7.8	0	0
2	COR-2	X	0	0	0	0
3	COR-3	X	7.8	7.8	0	0
4	CORNER-H-1	X	6.4	6.4	0	0
5	CORNER-H-2	X	12.9	12.9	0	0
6	CORNER-H-3	X	6.4	6.4	0	0
7	FM-0	X	13.3	13.3	0	0
8	FM-120	X	13.3	13.3	0	0
9	FM-240	X	0	0	0	0
10	HORIZ-0	X	13.3	13.3	0	0
11	HORIZ-120	X	13.3	13.3	0	0
12	HORIZ-240	X	0	0	0	0
13	HR-0	X	6.3	6.3	0	0
14	HR-120	X	6.3	6.3	0	0
15	HR-240	X	0	0	0	0
16	K-PL-1	X	12.3	12.3	0	0
17	K-PL-2	X	12.3	12.3	0	0
18	K-PL-3	X	12.3	12.3	0	0
19	K-PL-4	X	12.3	12.3	0	0
20	K-PL-5	X	24.5	24.5	0	0
21	K-PL-6	X	24.5	24.5	0	0
22	KICKER-1	X	11.4	11.4	0	0
23	KICKER-2	X	22.8	22.8	0	0
24	KICKER-3	X	11.4	11.4	0	0
25	SA-0-1	X	4.3	4.3	0	0
26	SA-0-2	X	5.1	5.1	0	0
27	SA-120-1	X	4.3	4.3	0	0
28	SA-120-2	X	5.1	5.1	0	0
29	SA-240-1	X	8.7	8.7	0	0
30	SA-240-2	X	10.1	10.1	0	0
31	RRU-SA-1	X	4.3	4.3	0	0
32	RRU-SA-2	X	8.7	8.7	0	0
33	RRU-SA-3	X	4.3	4.3	0	0
34	COR-1	Z	-4.5	-4.5	0	0
35	COR-2	Z	0	0	0	0
36	COR-3	Z	-4.5	-4.5	0	0
37	CORNER-H-1	Z	-3.7	-3.7	0	0
38	CORNER-H-2	Z	-7.4	-7.4	0	0
39	CORNER-H-3	Z	-3.7	-3.7	0	0
40	FM-0	Z	-7.7	-7.7	0	0
41	FM-120	Z	-7.7	-7.7	0	0
42	FM-240	Z	0	0	0	0
43	HORIZ-0	Z	-7.7	-7.7	0	0
44	HORIZ-120	Z	-7.7	-7.7	0	0

Member Distributed Loads (BLC 13 : Wind Load (330 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
45	HORIZ-240	Z	0	0	0	0
46	HR-0	Z	-3.6	-3.6	0	0
47	HR-120	Z	-3.6	-3.6	0	0
48	HR-240	Z	0	0	0	0
49	K-PL-1	Z	-7.1	-7.1	0	0
50	K-PL-2	Z	-7.1	-7.1	0	0
51	K-PL-3	Z	-7.1	-7.1	0	0
52	K-PL-4	Z	-7.1	-7.1	0	0
53	K-PL-5	Z	-14.2	-14.2	0	0
54	K-PL-6	Z	-14.2	-14.2	0	0
55	KICKER-1	Z	-6.6	-6.6	0	0
56	KICKER-2	Z	-13.2	-13.2	0	0
57	KICKER-3	Z	-6.6	-6.6	0	0
58	SA-0-1	Z	-2.5	-2.5	0	0
59	SA-0-2	Z	-2.9	-2.9	0	0
60	SA-120-1	Z	-2.5	-2.5	0	0
61	SA-120-2	Z	-2.9	-2.9	0	0
62	SA-240-1	Z	-5	-5	0	0
63	SA-240-2	Z	-5.8	-5.8	0	0
64	RRU-SA-1	Z	-2.5	-2.5	0	0
65	RRU-SA-2	Z	-5	-5	0	0
66	RRU-SA-3	Z	-2.5	-2.5	0	0

Member Distributed Loads (BLC 14 : Ice Load)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	COR-1	Y	-6.6	-6.6	0	0
2	COR-2	Y	-6.6	-6.6	0	0
3	COR-3	Y	-6.6	-6.6	0	0
4	CORNER-H-1	Y	-10	-10	0	0
5	CORNER-H-2	Y	-10	-10	0	0
6	CORNER-H-3	Y	-10	-10	0	0
7	FM-0	Y	-7.6	-7.6	0	0
8	FM-120	Y	-7.6	-7.6	0	0
9	FM-240	Y	-7.6	-7.6	0	0
10	HORIZ-0	Y	-7.6	-7.6	0	0
11	HORIZ-120	Y	-7.6	-7.6	0	0
12	HORIZ-240	Y	-7.6	-7.6	0	0
13	HR-0	Y	-4.9	-4.9	0	0
14	HR-120	Y	-4.9	-4.9	0	0
15	HR-240	Y	-4.9	-4.9	0	0
16	K-PL-1	Y	-12.9	-12.9	0	0
17	K-PL-2	Y	-12.9	-12.9	0	0
18	K-PL-3	Y	-12.9	-12.9	0	0
19	K-PL-4	Y	-12.9	-12.9	0	0
20	K-PL-5	Y	-12.9	-12.9	0	0
21	K-PL-6	Y	-12.9	-12.9	0	0
22	KICKER-1	Y	-8.6	-8.6	0	0
23	KICKER-2	Y	-8.6	-8.6	0	0
24	KICKER-3	Y	-8.6	-8.6	0	0
25	SA-0-1	Y	-9.6	-9.6	0	0
26	SA-0-2	Y	-10.5	-10.5	0	0
27	SA-120-1	Y	-9.6	-9.6	0	0
28	SA-120-2	Y	-10.5	-10.5	0	0
29	SA-240-1	Y	-9.6	-9.6	0	0
30	SA-240-2	Y	-10.5	-10.5	0	0
31	RRU-SA-1	Y	-9.6	-9.6	0	0

Member Distributed Loads (BLC 14 : Ice Load) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
32	RRU-SA-2	Y	-9.6	-9.6	0	0
33	RRU-SA-3	Y	-9.6	-9.6	0	0

Member Distributed Loads (BLC 15 : Wind on Ice (0 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	COR-1	X	1.3	1.3	0	0
2	COR-2	X	1.3	1.3	0	0
3	COR-3	X	2.6	2.6	0	0
4	CORNER-H-1	X	2.9	2.9	0	0
5	CORNER-H-2	X	2.9	2.9	0	0
6	CORNER-H-3	X	0	0	0	0
7	FM-0	X	4.3	4.3	0	0
8	FM-120	X	2.1	2.1	0	0
9	FM-240	X	2.1	2.1	0	0
10	HORIZ-0	X	4	4	0	0
11	HORIZ-120	X	2	2	0	0
12	HORIZ-240	X	2	2	0	0
13	HR-0	X	2.7	2.7	0	0
14	HR-120	X	1.4	1.4	0	0
15	HR-240	X	1.4	1.4	0	0
16	K-PL-1	X	4.7	4.7	0	0
17	K-PL-2	X	4.7	4.7	0	0
18	K-PL-3	X	0	0	0	0
19	K-PL-4	X	0	0	0	0
20	K-PL-5	X	4.7	4.7	0	0
21	K-PL-6	X	4.7	4.7	0	0
22	KICKER-1	X	4.7	4.7	0	0
23	KICKER-2	X	4.7	4.7	0	0
24	KICKER-3	X	0	0	0	0
25	SA-0-1	X	0	0	0	0
26	SA-0-2	X	0	0	0	0
27	SA-120-1	X	2.1	2.1	0	0
28	SA-120-2	X	2.4	2.4	0	0
29	SA-240-1	X	2.1	2.1	0	0
30	SA-240-2	X	2.4	2.4	0	0
31	RRU-SA-1	X	2.1	2.1	0	0
32	RRU-SA-2	X	2.1	2.1	0	0
33	RRU-SA-3	X	0	0	0	0
34	COR-1	Z	0	0	0	0
35	COR-2	Z	0	0	0	0
36	COR-3	Z	0	0	0	0
37	CORNER-H-1	Z	0	0	0	0
38	CORNER-H-2	Z	0	0	0	0
39	CORNER-H-3	Z	0	0	0	0
40	FM-0	Z	0	0	0	0
41	FM-120	Z	0	0	0	0
42	FM-240	Z	0	0	0	0
43	HORIZ-0	Z	0	0	0	0
44	HORIZ-120	Z	0	0	0	0
45	HORIZ-240	Z	0	0	0	0
46	HR-0	Z	0	0	0	0
47	HR-120	Z	0	0	0	0
48	HR-240	Z	0	0	0	0
49	K-PL-1	Z	0	0	0	0
50	K-PL-2	Z	0	0	0	0
51	K-PL-3	Z	0	0	0	0

Member Distributed Loads (BLC 15 : Wind on Ice (0 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
52	K-PL-4	Z	0	0	0	0
53	K-PL-5	Z	0	0	0	0
54	K-PL-6	Z	0	0	0	0
55	KICKER-1	Z	0	0	0	0
56	KICKER-2	Z	0	0	0	0
57	KICKER-3	Z	0	0	0	0
58	SA-0-1	Z	0	0	0	0
59	SA-0-2	Z	0	0	0	0
60	SA-120-1	Z	0	0	0	0
61	SA-120-2	Z	0	0	0	0
62	SA-240-1	Z	0	0	0	0
63	SA-240-2	Z	0	0	0	0
64	RRU-SA-1	Z	0	0	0	0
65	RRU-SA-2	Z	0	0	0	0
66	RRU-SA-3	Z	0	0	0	0

Member Distributed Loads (BLC 16 : Wind on Ice (30 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	COR-1	X	0	0	0	0
2	COR-2	X	1.9	1.9	0	0
3	COR-3	X	1.9	1.9	0	0
4	CORNER-H-1	X	2.9	2.9	0	0
5	CORNER-H-2	X	1.5	1.5	0	0
6	CORNER-H-3	X	1.5	1.5	0	0
7	FM-0	X	3.2	3.2	0	0
8	FM-120	X	0	0	0	0
9	FM-240	X	3.2	3.2	0	0
10	HORIZ-0	X	3	3	0	0
11	HORIZ-120	X	0	0	0	0
12	HORIZ-240	X	3	3	0	0
13	HR-0	X	2	2	0	0
14	HR-120	X	0	0	0	0
15	HR-240	X	2	2	0	0
16	K-PL-1	X	4.7	4.7	0	0
17	K-PL-2	X	4.7	4.7	0	0
18	K-PL-3	X	2.4	2.4	0	0
19	K-PL-4	X	2.4	2.4	0	0
20	K-PL-5	X	2.4	2.4	0	0
21	K-PL-6	X	2.4	2.4	0	0
22	KICKER-1	X	4.7	4.7	0	0
23	KICKER-2	X	2.3	2.3	0	0
24	KICKER-3	X	2.3	2.3	0	0
25	SA-0-1	X	1.1	1.1	0	0
26	SA-0-2	X	1.2	1.2	0	0
27	SA-120-1	X	2.1	2.1	0	0
28	SA-120-2	X	2.4	2.4	0	0
29	SA-240-1	X	1.1	1.1	0	0
30	SA-240-2	X	1.2	1.2	0	0
31	RRU-SA-1	X	2.1	2.1	0	0
32	RRU-SA-2	X	1.1	1.1	0	0
33	RRU-SA-3	X	1.1	1.1	0	0
34	COR-1	Z	0	0	0	0
35	COR-2	Z	1.1	1.1	0	0
36	COR-3	Z	1.1	1.1	0	0
37	CORNER-H-1	Z	1.7	1.7	0	0
38	CORNER-H-2	Z	.9	.9	0	0

Member Distributed Loads (BLC 16 : Wind on Ice (30 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
39	CORNER-H-3	Z	.9	.9	0	0
40	FM-0	Z	1.8	1.8	0	0
41	FM-120	Z	0	0	0	0
42	FM-240	Z	1.8	1.8	0	0
43	HORIZ-0	Z	1.8	1.8	0	0
44	HORIZ-120	Z	0	0	0	0
45	HORIZ-240	Z	1.8	1.8	0	0
46	HR-0	Z	1.2	1.2	0	0
47	HR-120	Z	0	0	0	0
48	HR-240	Z	1.2	1.2	0	0
49	K-PL-1	Z	2.7	2.7	0	0
50	K-PL-2	Z	2.7	2.7	0	0
51	K-PL-3	Z	1.4	1.4	0	0
52	K-PL-4	Z	1.4	1.4	0	0
53	K-PL-5	Z	1.4	1.4	0	0
54	K-PL-6	Z	1.4	1.4	0	0
55	KICKER-1	Z	2.7	2.7	0	0
56	KICKER-2	Z	1.3	1.3	0	0
57	KICKER-3	Z	1.3	1.3	0	0
58	SA-0-1	Z	.6	.6	0	0
59	SA-0-2	Z	.7	.7	0	0
60	SA-120-1	Z	1.2	1.2	0	0
61	SA-120-2	Z	1.4	1.4	0	0
62	SA-240-1	Z	.6	.6	0	0
63	SA-240-2	Z	.7	.7	0	0
64	RRU-SA-1	Z	1.2	1.2	0	0
65	RRU-SA-2	Z	.6	.6	0	0
66	RRU-SA-3	Z	.6	.6	0	0

Member Distributed Loads (BLC 17 : Wind on Ice (60 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	COR-1	X	.6	.6	0	0
2	COR-2	X	1.3	1.3	0	0
3	COR-3	X	.6	.6	0	0
4	CORNER-H-1	X	1.5	1.5	0	0
5	CORNER-H-2	X	0	0	0	0
6	CORNER-H-3	X	1.5	1.5	0	0
7	FM-0	X	1.1	1.1	0	0
8	FM-120	X	1.1	1.1	0	0
9	FM-240	X	2.1	2.1	0	0
10	HORIZ-0	X	1	1	0	0
11	HORIZ-120	X	1	1	0	0
12	HORIZ-240	X	2	2	0	0
13	HR-0	X	.7	.7	0	0
14	HR-120	X	.7	.7	0	0
15	HR-240	X	1.4	1.4	0	0
16	K-PL-1	X	2.4	2.4	0	0
17	K-PL-2	X	2.4	2.4	0	0
18	K-PL-3	X	2.4	2.4	0	0
19	K-PL-4	X	2.4	2.4	0	0
20	K-PL-5	X	0	0	0	0
21	K-PL-6	X	0	0	0	0
22	KICKER-1	X	2.3	2.3	0	0
23	KICKER-2	X	0	0	0	0
24	KICKER-3	X	2.3	2.3	0	0
25	SA-0-1	X	1.1	1.1	0	0

Member Distributed Loads (BLC 17 : Wind on Ice (60 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
26	SA-0-2	X	1.2	1.2	0	0
27	SA-120-1	X	1.1	1.1	0	0
28	SA-120-2	X	1.2	1.2	0	0
29	SA-240-1	X	0	0	0	0
30	SA-240-2	X	0	0	0	0
31	RRU-SA-1	X	1.1	1.1	0	0
32	RRU-SA-2	X	0	0	0	0
33	RRU-SA-3	X	1.1	1.1	0	0
34	COR-1	Z	1.1	1.1	0	0
35	COR-2	Z	2.2	2.2	0	0
36	COR-3	Z	1.1	1.1	0	0
37	CORNER-H-1	Z	2.6	2.6	0	0
38	CORNER-H-2	Z	0	0	0	0
39	CORNER-H-3	Z	2.6	2.6	0	0
40	FM-0	Z	1.8	1.8	0	0
41	FM-120	Z	1.8	1.8	0	0
42	FM-240	Z	3.7	3.7	0	0
43	HORIZ-0	Z	1.8	1.8	0	0
44	HORIZ-120	Z	1.8	1.8	0	0
45	HORIZ-240	Z	3.5	3.5	0	0
46	HR-0	Z	1.2	1.2	0	0
47	HR-120	Z	1.2	1.2	0	0
48	HR-240	Z	2.4	2.4	0	0
49	K-PL-1	Z	4.1	4.1	0	0
50	K-PL-2	Z	4.1	4.1	0	0
51	K-PL-3	Z	4.1	4.1	0	0
52	K-PL-4	Z	4.1	4.1	0	0
53	K-PL-5	Z	0	0	0	0
54	K-PL-6	Z	0	0	0	0
55	KICKER-1	Z	4	4	0	0
56	KICKER-2	Z	0	0	0	0
57	KICKER-3	Z	4	4	0	0
58	SA-0-1	Z	1.8	1.8	0	0
59	SA-0-2	Z	2.1	2.1	0	0
60	SA-120-1	Z	1.8	1.8	0	0
61	SA-120-2	Z	2.1	2.1	0	0
62	SA-240-1	Z	0	0	0	0
63	SA-240-2	Z	0	0	0	0
64	RRU-SA-1	Z	1.8	1.8	0	0
65	RRU-SA-2	Z	0	0	0	0
66	RRU-SA-3	Z	1.8	1.8	0	0

Member Distributed Loads (BLC 18 : Wind on Ice (90 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	COR-1	X	0	0	0	0
2	COR-2	X	0	0	0	0
3	COR-3	X	0	0	0	0
4	CORNER-H-1	X	0	0	0	0
5	CORNER-H-2	X	0	0	0	0
6	CORNER-H-3	X	0	0	0	0
7	FM-0	X	0	0	0	0
8	FM-120	X	0	0	0	0
9	FM-240	X	0	0	0	0
10	HORIZ-0	X	0	0	0	0
11	HORIZ-120	X	0	0	0	0
12	HORIZ-240	X	0	0	0	0

Member Distributed Loads (BLC 18 : Wind on Ice (90 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
13	HR-0	X	0	0	0	0
14	HR-120	X	0	0	0	0
15	HR-240	X	0	0	0	0
16	K-PL-1	X	0	0	0	0
17	K-PL-2	X	0	0	0	0
18	K-PL-3	X	0	0	0	0
19	K-PL-4	X	0	0	0	0
20	K-PL-5	X	0	0	0	0
21	K-PL-6	X	0	0	0	0
22	KICKER-1	X	0	0	0	0
23	KICKER-2	X	0	0	0	0
24	KICKER-3	X	0	0	0	0
25	SA-0-1	X	0	0	0	0
26	SA-0-2	X	0	0	0	0
27	SA-120-1	X	0	0	0	0
28	SA-120-2	X	0	0	0	0
29	SA-240-1	X	0	0	0	0
30	SA-240-2	X	0	0	0	0
31	RRU-SA-1	X	0	0	0	0
32	RRU-SA-2	X	0	0	0	0
33	RRU-SA-3	X	0	0	0	0
34	COR-1	Z	2.2	2.2	0	0
35	COR-2	Z	2.2	2.2	0	0
36	COR-3	Z	0	0	0	0
37	CORNER-H-1	Z	1.7	1.7	0	0
38	CORNER-H-2	Z	1.7	1.7	0	0
39	CORNER-H-3	Z	3.4	3.4	0	0
40	FM-0	Z	0	0	0	0
41	FM-120	Z	3.7	3.7	0	0
42	FM-240	Z	3.7	3.7	0	0
43	HORIZ-0	Z	0	0	0	0
44	HORIZ-120	Z	3.5	3.5	0	0
45	HORIZ-240	Z	3.5	3.5	0	0
46	HR-0	Z	0	0	0	0
47	HR-120	Z	2.4	2.4	0	0
48	HR-240	Z	2.4	2.4	0	0
49	K-PL-1	Z	2.7	2.7	0	0
50	K-PL-2	Z	2.7	2.7	0	0
51	K-PL-3	Z	5.5	5.5	0	0
52	K-PL-4	Z	5.5	5.5	0	0
53	K-PL-5	Z	2.7	2.7	0	0
54	K-PL-6	Z	2.7	2.7	0	0
55	KICKER-1	Z	2.7	2.7	0	0
56	KICKER-2	Z	2.7	2.7	0	0
57	KICKER-3	Z	5.4	5.4	0	0
58	SA-0-1	Z	2.4	2.4	0	0
59	SA-0-2	Z	2.7	2.7	0	0
60	SA-120-1	Z	1.2	1.2	0	0
61	SA-120-2	Z	1.4	1.4	0	0
62	SA-240-1	Z	1.2	1.2	0	0
63	SA-240-2	Z	1.4	1.4	0	0
64	RRU-SA-1	Z	1.2	1.2	0	0
65	RRU-SA-2	Z	1.2	1.2	0	0
66	RRU-SA-3	Z	2.4	2.4	0	0

Member Distributed Loads (BLC 19 : Wind on Ice (120 deg))

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]

Member Distributed Loads (BLC 19 : Wind on Ice (120 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	COR-1	X	-1.3	-1.3	0	0
2	COR-2	X	-.6	-.6	0	0
3	COR-3	X	-.6	-.6	0	0
4	CORNER-H-1	X	0	0	0	0
5	CORNER-H-2	X	-1.5	-1.5	0	0
6	CORNER-H-3	X	-1.5	-1.5	0	0
7	FM-0	X	-1.1	-1.1	0	0
8	FM-120	X	-2.1	-2.1	0	0
9	FM-240	X	-1.1	-1.1	0	0
10	HORIZ-0	X	-1	-1	0	0
11	HORIZ-120	X	-2	-2	0	0
12	HORIZ-240	X	-1	-1	0	0
13	HR-0	X	-.7	-.7	0	0
14	HR-120	X	-1.4	-1.4	0	0
15	HR-240	X	-.7	-.7	0	0
16	K-PL-1	X	0	0	0	0
17	K-PL-2	X	0	0	0	0
18	K-PL-3	X	-2.4	-2.4	0	0
19	K-PL-4	X	-2.4	-2.4	0	0
20	K-PL-5	X	-2.4	-2.4	0	0
21	K-PL-6	X	-2.4	-2.4	0	0
22	KICKER-1	X	0	0	0	0
23	KICKER-2	X	-2.3	-2.3	0	0
24	KICKER-3	X	-2.3	-2.3	0	0
25	SA-0-1	X	-1.1	-1.1	0	0
26	SA-0-2	X	-1.2	-1.2	0	0
27	SA-120-1	X	0	0	0	0
28	SA-120-2	X	0	0	0	0
29	SA-240-1	X	-1.1	-1.1	0	0
30	SA-240-2	X	-1.2	-1.2	0	0
31	RRU-SA-1	X	0	0	0	0
32	RRU-SA-2	X	-1.1	-1.1	0	0
33	RRU-SA-3	X	-1.1	-1.1	0	0
34	COR-1	Z	2.2	2.2	0	0
35	COR-2	Z	1.1	1.1	0	0
36	COR-3	Z	1.1	1.1	0	0
37	CORNER-H-1	Z	0	0	0	0
38	CORNER-H-2	Z	2.6	2.6	0	0
39	CORNER-H-3	Z	2.6	2.6	0	0
40	FM-0	Z	1.8	1.8	0	0
41	FM-120	Z	3.7	3.7	0	0
42	FM-240	Z	1.8	1.8	0	0
43	HORIZ-0	Z	1.8	1.8	0	0
44	HORIZ-120	Z	3.5	3.5	0	0
45	HORIZ-240	Z	1.8	1.8	0	0
46	HR-0	Z	1.2	1.2	0	0
47	HR-120	Z	2.4	2.4	0	0
48	HR-240	Z	1.2	1.2	0	0
49	K-PL-1	Z	0	0	0	0
50	K-PL-2	Z	0	0	0	0
51	K-PL-3	Z	4.1	4.1	0	0
52	K-PL-4	Z	4.1	4.1	0	0
53	K-PL-5	Z	4.1	4.1	0	0
54	K-PL-6	Z	4.1	4.1	0	0
55	KICKER-1	Z	0	0	0	0
56	KICKER-2	Z	4	4	0	0
57	KICKER-3	Z	4	4	0	0

Member Distributed Loads (BLC 19 : Wind on Ice (120 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
58	SA-0-1	Z	1.8	1.8	0	0
59	SA-0-2	Z	2.1	2.1	0	0
60	SA-120-1	Z	0	0	0	0
61	SA-120-2	Z	0	0	0	0
62	SA-240-1	Z	1.8	1.8	0	0
63	SA-240-2	Z	2.1	2.1	0	0
64	RRU-SA-1	Z	0	0	0	0
65	RRU-SA-2	Z	1.8	1.8	0	0
66	RRU-SA-3	Z	1.8	1.8	0	0

Member Distributed Loads (BLC 20 : Wind on Ice (150 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	COR-1	X	-1.9	-1.9	0	0
2	COR-2	X	0	0	0	0
3	COR-3	X	-1.9	-1.9	0	0
4	CORNER-H-1	X	-1.5	-1.5	0	0
5	CORNER-H-2	X	-2.9	-2.9	0	0
6	CORNER-H-3	X	-1.5	-1.5	0	0
7	FM-0	X	-3.2	-3.2	0	0
8	FM-120	X	-3.2	-3.2	0	0
9	FM-240	X	0	0	0	0
10	HORIZ-0	X	-3	-3	0	0
11	HORIZ-120	X	-3	-3	0	0
12	HORIZ-240	X	0	0	0	0
13	HR-0	X	-2	-2	0	0
14	HR-120	X	-2	-2	0	0
15	HR-240	X	0	0	0	0
16	K-PL-1	X	-2.4	-2.4	0	0
17	K-PL-2	X	-2.4	-2.4	0	0
18	K-PL-3	X	-2.4	-2.4	0	0
19	K-PL-4	X	-2.4	-2.4	0	0
20	K-PL-5	X	-4.7	-4.7	0	0
21	K-PL-6	X	-4.7	-4.7	0	0
22	KICKER-1	X	-2.3	-2.3	0	0
23	KICKER-2	X	-4.7	-4.7	0	0
24	KICKER-3	X	-2.3	-2.3	0	0
25	SA-0-1	X	-1.1	-1.1	0	0
26	SA-0-2	X	-1.2	-1.2	0	0
27	SA-120-1	X	-1.1	-1.1	0	0
28	SA-120-2	X	-1.2	-1.2	0	0
29	SA-240-1	X	-2.1	-2.1	0	0
30	SA-240-2	X	-2.4	-2.4	0	0
31	RRU-SA-1	X	-1.1	-1.1	0	0
32	RRU-SA-2	X	-2.1	-2.1	0	0
33	RRU-SA-3	X	-1.1	-1.1	0	0
34	COR-1	Z	1.1	1.1	0	0
35	COR-2	Z	0	0	0	0
36	COR-3	Z	1.1	1.1	0	0
37	CORNER-H-1	Z	.9	.9	0	0
38	CORNER-H-2	Z	1.7	1.7	0	0
39	CORNER-H-3	Z	.9	.9	0	0
40	FM-0	Z	1.8	1.8	0	0
41	FM-120	Z	1.8	1.8	0	0
42	FM-240	Z	0	0	0	0
43	HORIZ-0	Z	1.8	1.8	0	0
44	HORIZ-120	Z	1.8	1.8	0	0

Member Distributed Loads (BLC 20 : Wind on Ice (150 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
45	HORIZ-240	Z	0	0	0	0
46	HR-0	Z	1.2	1.2	0	0
47	HR-120	Z	1.2	1.2	0	0
48	HR-240	Z	0	0	0	0
49	K-PL-1	Z	1.4	1.4	0	0
50	K-PL-2	Z	1.4	1.4	0	0
51	K-PL-3	Z	1.4	1.4	0	0
52	K-PL-4	Z	1.4	1.4	0	0
53	K-PL-5	Z	2.7	2.7	0	0
54	K-PL-6	Z	2.7	2.7	0	0
55	KICKER-1	Z	1.3	1.3	0	0
56	KICKER-2	Z	2.7	2.7	0	0
57	KICKER-3	Z	1.3	1.3	0	0
58	SA-0-1	Z	.6	.6	0	0
59	SA-0-2	Z	.7	.7	0	0
60	SA-120-1	Z	.6	.6	0	0
61	SA-120-2	Z	.7	.7	0	0
62	SA-240-1	Z	1.2	1.2	0	0
63	SA-240-2	Z	1.4	1.4	0	0
64	RRU-SA-1	Z	.6	.6	0	0
65	RRU-SA-2	Z	1.2	1.2	0	0
66	RRU-SA-3	Z	.6	.6	0	0

Member Distributed Loads (BLC 21 : Wind on Ice (180 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	COR-1	X	-1.3	-1.3	0	0
2	COR-2	X	-1.3	-1.3	0	0
3	COR-3	X	-2.6	-2.6	0	0
4	CORNER-H-1	X	-2.9	-2.9	0	0
5	CORNER-H-2	X	-2.9	-2.9	0	0
6	CORNER-H-3	X	0	0	0	0
7	FM-0	X	-4.3	-4.3	0	0
8	FM-120	X	-2.1	-2.1	0	0
9	FM-240	X	-2.1	-2.1	0	0
10	HORIZ-0	X	-4	-4	0	0
11	HORIZ-120	X	-2	-2	0	0
12	HORIZ-240	X	-2	-2	0	0
13	HR-0	X	-2.7	-2.7	0	0
14	HR-120	X	-1.4	-1.4	0	0
15	HR-240	X	-1.4	-1.4	0	0
16	K-PL-1	X	-4.7	-4.7	0	0
17	K-PL-2	X	-4.7	-4.7	0	0
18	K-PL-3	X	0	0	0	0
19	K-PL-4	X	0	0	0	0
20	K-PL-5	X	-4.7	-4.7	0	0
21	K-PL-6	X	-4.7	-4.7	0	0
22	KICKER-1	X	-4.7	-4.7	0	0
23	KICKER-2	X	-4.7	-4.7	0	0
24	KICKER-3	X	0	0	0	0
25	SA-0-1	X	0	0	0	0
26	SA-0-2	X	0	0	0	0
27	SA-120-1	X	-2.1	-2.1	0	0
28	SA-120-2	X	-2.4	-2.4	0	0
29	SA-240-1	X	-2.1	-2.1	0	0
30	SA-240-2	X	-2.4	-2.4	0	0
31	RRU-SA-1	X	-2.1	-2.1	0	0

Member Distributed Loads (BLC 21 : Wind on Ice (180 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
32	RRU-SA-2	X	-2.1	-2.1	0	0
33	RRU-SA-3	X	0	0	0	0
34	COR-1	Z	0	0	0	0
35	COR-2	Z	0	0	0	0
36	COR-3	Z	0	0	0	0
37	CORNER-H-1	Z	0	0	0	0
38	CORNER-H-2	Z	0	0	0	0
39	CORNER-H-3	Z	0	0	0	0
40	FM-0	Z	0	0	0	0
41	FM-120	Z	0	0	0	0
42	FM-240	Z	0	0	0	0
43	HORIZ-0	Z	0	0	0	0
44	HORIZ-120	Z	0	0	0	0
45	HORIZ-240	Z	0	0	0	0
46	HR-0	Z	0	0	0	0
47	HR-120	Z	0	0	0	0
48	HR-240	Z	0	0	0	0
49	K-PL-1	Z	0	0	0	0
50	K-PL-2	Z	0	0	0	0
51	K-PL-3	Z	0	0	0	0
52	K-PL-4	Z	0	0	0	0
53	K-PL-5	Z	0	0	0	0
54	K-PL-6	Z	0	0	0	0
55	KICKER-1	Z	0	0	0	0
56	KICKER-2	Z	0	0	0	0
57	KICKER-3	Z	0	0	0	0
58	SA-0-1	Z	0	0	0	0
59	SA-0-2	Z	0	0	0	0
60	SA-120-1	Z	0	0	0	0
61	SA-120-2	Z	0	0	0	0
62	SA-240-1	Z	0	0	0	0
63	SA-240-2	Z	0	0	0	0
64	RRU-SA-1	Z	0	0	0	0
65	RRU-SA-2	Z	0	0	0	0
66	RRU-SA-3	Z	0	0	0	0

Member Distributed Loads (BLC 22 : Wind on Ice (210 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	COR-1	X	0	0	0	0
2	COR-2	X	-1.9	-1.9	0	0
3	COR-3	X	-1.9	-1.9	0	0
4	CORNER-H-1	X	-2.9	-2.9	0	0
5	CORNER-H-2	X	-1.5	-1.5	0	0
6	CORNER-H-3	X	-1.5	-1.5	0	0
7	FM-0	X	-3.2	-3.2	0	0
8	FM-120	X	0	0	0	0
9	FM-240	X	-3.2	-3.2	0	0
10	HORIZ-0	X	-3	-3	0	0
11	HORIZ-120	X	0	0	0	0
12	HORIZ-240	X	-3	-3	0	0
13	HR-0	X	-2	-2	0	0
14	HR-120	X	0	0	0	0
15	HR-240	X	-2	-2	0	0
16	K-PL-1	X	-4.7	-4.7	0	0
17	K-PL-2	X	-4.7	-4.7	0	0
18	K-PL-3	X	-2.4	-2.4	0	0

Member Distributed Loads (BLC 22 : Wind on Ice (210 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
19	K-PL-4	X	-2.4	-2.4	0	0
20	K-PL-5	X	-2.4	-2.4	0	0
21	K-PL-6	X	-2.4	-2.4	0	0
22	KICKER-1	X	-4.7	-4.7	0	0
23	KICKER-2	X	-2.3	-2.3	0	0
24	KICKER-3	X	-2.3	-2.3	0	0
25	SA-0-1	X	-1.1	-1.1	0	0
26	SA-0-2	X	-1.2	-1.2	0	0
27	SA-120-1	X	-2.1	-2.1	0	0
28	SA-120-2	X	-2.4	-2.4	0	0
29	SA-240-1	X	-1.1	-1.1	0	0
30	SA-240-2	X	-1.2	-1.2	0	0
31	RRU-SA-1	X	-2.1	-2.1	0	0
32	RRU-SA-2	X	-1.1	-1.1	0	0
33	RRU-SA-3	X	-1.1	-1.1	0	0
34	COR-1	Z	0	0	0	0
35	COR-2	Z	-1.1	-1.1	0	0
36	COR-3	Z	-1.1	-1.1	0	0
37	CORNER-H-1	Z	-1.7	-1.7	0	0
38	CORNER-H-2	Z	-.9	-.9	0	0
39	CORNER-H-3	Z	-.9	-.9	0	0
40	FM-0	Z	-1.8	-1.8	0	0
41	FM-120	Z	0	0	0	0
42	FM-240	Z	-1.8	-1.8	0	0
43	HORIZ-0	Z	-1.8	-1.8	0	0
44	HORIZ-120	Z	0	0	0	0
45	HORIZ-240	Z	-1.8	-1.8	0	0
46	HR-0	Z	-1.2	-1.2	0	0
47	HR-120	Z	0	0	0	0
48	HR-240	Z	-1.2	-1.2	0	0
49	K-PL-1	Z	-2.7	-2.7	0	0
50	K-PL-2	Z	-2.7	-2.7	0	0
51	K-PL-3	Z	-1.4	-1.4	0	0
52	K-PL-4	Z	-1.4	-1.4	0	0
53	K-PL-5	Z	-1.4	-1.4	0	0
54	K-PL-6	Z	-1.4	-1.4	0	0
55	KICKER-1	Z	-2.7	-2.7	0	0
56	KICKER-2	Z	-1.3	-1.3	0	0
57	KICKER-3	Z	-1.3	-1.3	0	0
58	SA-0-1	Z	-.6	-.6	0	0
59	SA-0-2	Z	-.7	-.7	0	0
60	SA-120-1	Z	-1.2	-1.2	0	0
61	SA-120-2	Z	-1.4	-1.4	0	0
62	SA-240-1	Z	-.6	-.6	0	0
63	SA-240-2	Z	-.7	-.7	0	0
64	RRU-SA-1	Z	-1.2	-1.2	0	0
65	RRU-SA-2	Z	-.6	-.6	0	0
66	RRU-SA-3	Z	-.6	-.6	0	0

Member Distributed Loads (BLC 23 : Wind on Ice (240 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	COR-1	X	-.6	-.6	0	0
2	COR-2	X	-1.3	-1.3	0	0
3	COR-3	X	-.6	-.6	0	0
4	CORNER-H-1	X	-1.5	-1.5	0	0
5	CORNER-H-2	X	0	0	0	0

Member Distributed Loads (BLC 23 : Wind on Ice (240 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
6	CORNER-H-3	X	-1.5	-1.5	0	0
7	FM-0	X	-1.1	-1.1	0	0
8	FM-120	X	-1.1	-1.1	0	0
9	FM-240	X	-2.1	-2.1	0	0
10	HORIZ-0	X	-1	-1	0	0
11	HORIZ-120	X	-1	-1	0	0
12	HORIZ-240	X	-2	-2	0	0
13	HR-0	X	-.7	-.7	0	0
14	HR-120	X	-.7	-.7	0	0
15	HR-240	X	-1.4	-1.4	0	0
16	K-PL-1	X	-2.4	-2.4	0	0
17	K-PL-2	X	-2.4	-2.4	0	0
18	K-PL-3	X	-2.4	-2.4	0	0
19	K-PL-4	X	-2.4	-2.4	0	0
20	K-PL-5	X	0	0	0	0
21	K-PL-6	X	0	0	0	0
22	KICKER-1	X	-2.3	-2.3	0	0
23	KICKER-2	X	0	0	0	0
24	KICKER-3	X	-2.3	-2.3	0	0
25	SA-0-1	X	-1.1	-1.1	0	0
26	SA-0-2	X	-1.2	-1.2	0	0
27	SA-120-1	X	-1.1	-1.1	0	0
28	SA-120-2	X	-1.2	-1.2	0	0
29	SA-240-1	X	0	0	0	0
30	SA-240-2	X	0	0	0	0
31	RRU-SA-1	X	-1.1	-1.1	0	0
32	RRU-SA-2	X	0	0	0	0
33	RRU-SA-3	X	-1.1	-1.1	0	0
34	COR-1	Z	-1.1	-1.1	0	0
35	COR-2	Z	-2.2	-2.2	0	0
36	COR-3	Z	-1.1	-1.1	0	0
37	CORNER-H-1	Z	-2.6	-2.6	0	0
38	CORNER-H-2	Z	0	0	0	0
39	CORNER-H-3	Z	-2.6	-2.6	0	0
40	FM-0	Z	-1.8	-1.8	0	0
41	FM-120	Z	-1.8	-1.8	0	0
42	FM-240	Z	-3.7	-3.7	0	0
43	HORIZ-0	Z	-1.8	-1.8	0	0
44	HORIZ-120	Z	-1.8	-1.8	0	0
45	HORIZ-240	Z	-3.5	-3.5	0	0
46	HR-0	Z	-1.2	-1.2	0	0
47	HR-120	Z	-1.2	-1.2	0	0
48	HR-240	Z	-2.4	-2.4	0	0
49	K-PL-1	Z	-4.1	-4.1	0	0
50	K-PL-2	Z	-4.1	-4.1	0	0
51	K-PL-3	Z	-4.1	-4.1	0	0
52	K-PL-4	Z	-4.1	-4.1	0	0
53	K-PL-5	Z	0	0	0	0
54	K-PL-6	Z	0	0	0	0
55	KICKER-1	Z	-4	-4	0	0
56	KICKER-2	Z	0	0	0	0
57	KICKER-3	Z	-4	-4	0	0
58	SA-0-1	Z	-1.8	-1.8	0	0
59	SA-0-2	Z	-2.1	-2.1	0	0
60	SA-120-1	Z	-1.8	-1.8	0	0
61	SA-120-2	Z	-2.1	-2.1	0	0
62	SA-240-1	Z	0	0	0	0

Member Distributed Loads (BLC 23 : Wind on Ice (240 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
63	SA-240-2	Z	0	0	0	0
64	RRU-SA-1	Z	-1.8	-1.8	0	0
65	RRU-SA-2	Z	0	0	0	0
66	RRU-SA-3	Z	-1.8	-1.8	0	0

Member Distributed Loads (BLC 24 : Wind on Ice (270 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	COR-1	X	0	0	0	0
2	COR-2	X	0	0	0	0
3	COR-3	X	0	0	0	0
4	CORNER-H-1	X	0	0	0	0
5	CORNER-H-2	X	0	0	0	0
6	CORNER-H-3	X	0	0	0	0
7	FM-0	X	0	0	0	0
8	FM-120	X	0	0	0	0
9	FM-240	X	0	0	0	0
10	HORIZ-0	X	0	0	0	0
11	HORIZ-120	X	0	0	0	0
12	HORIZ-240	X	0	0	0	0
13	HR-0	X	0	0	0	0
14	HR-120	X	0	0	0	0
15	HR-240	X	0	0	0	0
16	K-PL-1	X	0	0	0	0
17	K-PL-2	X	0	0	0	0
18	K-PL-3	X	0	0	0	0
19	K-PL-4	X	0	0	0	0
20	K-PL-5	X	0	0	0	0
21	K-PL-6	X	0	0	0	0
22	KICKER-1	X	0	0	0	0
23	KICKER-2	X	0	0	0	0
24	KICKER-3	X	0	0	0	0
25	SA-0-1	X	0	0	0	0
26	SA-0-2	X	0	0	0	0
27	SA-120-1	X	0	0	0	0
28	SA-120-2	X	0	0	0	0
29	SA-240-1	X	0	0	0	0
30	SA-240-2	X	0	0	0	0
31	RRU-SA-1	X	0	0	0	0
32	RRU-SA-2	X	0	0	0	0
33	RRU-SA-3	X	0	0	0	0
34	COR-1	Z	-2.2	-2.2	0	0
35	COR-2	Z	-2.2	-2.2	0	0
36	COR-3	Z	0	0	0	0
37	CORNER-H-1	Z	-1.7	-1.7	0	0
38	CORNER-H-2	Z	-1.7	-1.7	0	0
39	CORNER-H-3	Z	-3.4	-3.4	0	0
40	FM-0	Z	0	0	0	0
41	FM-120	Z	-3.7	-3.7	0	0
42	FM-240	Z	-3.7	-3.7	0	0
43	HORIZ-0	Z	0	0	0	0
44	HORIZ-120	Z	-3.5	-3.5	0	0
45	HORIZ-240	Z	-3.5	-3.5	0	0
46	HR-0	Z	0	0	0	0
47	HR-120	Z	-2.4	-2.4	0	0
48	HR-240	Z	-2.4	-2.4	0	0
49	K-PL-1	Z	-2.7	-2.7	0	0

Member Distributed Loads (BLC 24 : Wind on Ice (270 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
50	K-PL-2	Z	-2.7	-2.7	0	0
51	K-PL-3	Z	-5.5	-5.5	0	0
52	K-PL-4	Z	-5.5	-5.5	0	0
53	K-PL-5	Z	-2.7	-2.7	0	0
54	K-PL-6	Z	-2.7	-2.7	0	0
55	KICKER-1	Z	-2.7	-2.7	0	0
56	KICKER-2	Z	-2.7	-2.7	0	0
57	KICKER-3	Z	-5.4	-5.4	0	0
58	SA-0-1	Z	-2.4	-2.4	0	0
59	SA-0-2	Z	-2.7	-2.7	0	0
60	SA-120-1	Z	-1.2	-1.2	0	0
61	SA-120-2	Z	-1.4	-1.4	0	0
62	SA-240-1	Z	-1.2	-1.2	0	0
63	SA-240-2	Z	-1.4	-1.4	0	0
64	RRU-SA-1	Z	-1.2	-1.2	0	0
65	RRU-SA-2	Z	-1.2	-1.2	0	0
66	RRU-SA-3	Z	-2.4	-2.4	0	0

Member Distributed Loads (BLC 25 : Wind on Ice (300 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	COR-1	X	1.3	1.3	0	0
2	COR-2	X	.6	.6	0	0
3	COR-3	X	.6	.6	0	0
4	CORNER-H-1	X	0	0	0	0
5	CORNER-H-2	X	1.5	1.5	0	0
6	CORNER-H-3	X	1.5	1.5	0	0
7	FM-0	X	1.1	1.1	0	0
8	FM-120	X	2.1	2.1	0	0
9	FM-240	X	1.1	1.1	0	0
10	HORIZ-0	X	1	1	0	0
11	HORIZ-120	X	2	2	0	0
12	HORIZ-240	X	1	1	0	0
13	HR-0	X	.7	.7	0	0
14	HR-120	X	1.4	1.4	0	0
15	HR-240	X	.7	.7	0	0
16	K-PL-1	X	0	0	0	0
17	K-PL-2	X	0	0	0	0
18	K-PL-3	X	2.4	2.4	0	0
19	K-PL-4	X	2.4	2.4	0	0
20	K-PL-5	X	2.4	2.4	0	0
21	K-PL-6	X	2.4	2.4	0	0
22	KICKER-1	X	0	0	0	0
23	KICKER-2	X	2.3	2.3	0	0
24	KICKER-3	X	2.3	2.3	0	0
25	SA-0-1	X	1.1	1.1	0	0
26	SA-0-2	X	1.2	1.2	0	0
27	SA-120-1	X	0	0	0	0
28	SA-120-2	X	0	0	0	0
29	SA-240-1	X	1.1	1.1	0	0
30	SA-240-2	X	1.2	1.2	0	0
31	RRU-SA-1	X	0	0	0	0
32	RRU-SA-2	X	1.1	1.1	0	0
33	RRU-SA-3	X	1.1	1.1	0	0
34	COR-1	Z	-2.2	-2.2	0	0
35	COR-2	Z	-1.1	-1.1	0	0
36	COR-3	Z	-1.1	-1.1	0	0

Member Distributed Loads (BLC 25 : Wind on Ice (300 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
37	CORNER-H-1	Z	0	0	0	0
38	CORNER-H-2	Z	-2.6	-2.6	0	0
39	CORNER-H-3	Z	-2.6	-2.6	0	0
40	FM-0	Z	-1.8	-1.8	0	0
41	FM-120	Z	-3.7	-3.7	0	0
42	FM-240	Z	-1.8	-1.8	0	0
43	HORIZ-0	Z	-1.8	-1.8	0	0
44	HORIZ-120	Z	-3.5	-3.5	0	0
45	HORIZ-240	Z	-1.8	-1.8	0	0
46	HR-0	Z	-1.2	-1.2	0	0
47	HR-120	Z	-2.4	-2.4	0	0
48	HR-240	Z	-1.2	-1.2	0	0
49	K-PL-1	Z	0	0	0	0
50	K-PL-2	Z	0	0	0	0
51	K-PL-3	Z	-4.1	-4.1	0	0
52	K-PL-4	Z	-4.1	-4.1	0	0
53	K-PL-5	Z	-4.1	-4.1	0	0
54	K-PL-6	Z	-4.1	-4.1	0	0
55	KICKER-1	Z	0	0	0	0
56	KICKER-2	Z	-4	-4	0	0
57	KICKER-3	Z	-4	-4	0	0
58	SA-0-1	Z	-1.8	-1.8	0	0
59	SA-0-2	Z	-2.1	-2.1	0	0
60	SA-120-1	Z	0	0	0	0
61	SA-120-2	Z	0	0	0	0
62	SA-240-1	Z	-1.8	-1.8	0	0
63	SA-240-2	Z	-2.1	-2.1	0	0
64	RRU-SA-1	Z	0	0	0	0
65	RRU-SA-2	Z	-1.8	-1.8	0	0
66	RRU-SA-3	Z	-1.8	-1.8	0	0

Member Distributed Loads (BLC 26 : Wind on Ice (330 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	COR-1	X	1.9	1.9	0	0
2	COR-2	X	0	0	0	0
3	COR-3	X	1.9	1.9	0	0
4	CORNER-H-1	X	1.5	1.5	0	0
5	CORNER-H-2	X	2.9	2.9	0	0
6	CORNER-H-3	X	1.5	1.5	0	0
7	FM-0	X	3.2	3.2	0	0
8	FM-120	X	3.2	3.2	0	0
9	FM-240	X	0	0	0	0
10	HORIZ-0	X	3	3	0	0
11	HORIZ-120	X	3	3	0	0
12	HORIZ-240	X	0	0	0	0
13	HR-0	X	2	2	0	0
14	HR-120	X	2	2	0	0
15	HR-240	X	0	0	0	0
16	K-PL-1	X	2.4	2.4	0	0
17	K-PL-2	X	2.4	2.4	0	0
18	K-PL-3	X	2.4	2.4	0	0
19	K-PL-4	X	2.4	2.4	0	0
20	K-PL-5	X	4.7	4.7	0	0
21	K-PL-6	X	4.7	4.7	0	0
22	KICKER-1	X	2.3	2.3	0	0
23	KICKER-2	X	4.7	4.7	0	0

Member Distributed Loads (BLC 26 : Wind on Ice (330 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
24	KICKER-3	X	2.3	2.3	0	0
25	SA-0-1	X	1.1	1.1	0	0
26	SA-0-2	X	1.2	1.2	0	0
27	SA-120-1	X	1.1	1.1	0	0
28	SA-120-2	X	1.2	1.2	0	0
29	SA-240-1	X	2.1	2.1	0	0
30	SA-240-2	X	2.4	2.4	0	0
31	RRU-SA-1	X	1.1	1.1	0	0
32	RRU-SA-2	X	2.1	2.1	0	0
33	RRU-SA-3	X	1.1	1.1	0	0
34	COR-1	Z	-1.1	-1.1	0	0
35	COR-2	Z	0	0	0	0
36	COR-3	Z	-1.1	-1.1	0	0
37	CORNER-H-1	Z	-.9	-.9	0	0
38	CORNER-H-2	Z	-1.7	-1.7	0	0
39	CORNER-H-3	Z	-.9	-.9	0	0
40	FM-0	Z	-1.8	-1.8	0	0
41	FM-120	Z	-1.8	-1.8	0	0
42	FM-240	Z	0	0	0	0
43	HORIZ-0	Z	-1.8	-1.8	0	0
44	HORIZ-120	Z	-1.8	-1.8	0	0
45	HORIZ-240	Z	0	0	0	0
46	HR-0	Z	-1.2	-1.2	0	0
47	HR-120	Z	-1.2	-1.2	0	0
48	HR-240	Z	0	0	0	0
49	K-PL-1	Z	-1.4	-1.4	0	0
50	K-PL-2	Z	-1.4	-1.4	0	0
51	K-PL-3	Z	-1.4	-1.4	0	0
52	K-PL-4	Z	-1.4	-1.4	0	0
53	K-PL-5	Z	-2.7	-2.7	0	0
54	K-PL-6	Z	-2.7	-2.7	0	0
55	KICKER-1	Z	-1.3	-1.3	0	0
56	KICKER-2	Z	-2.7	-2.7	0	0
57	KICKER-3	Z	-1.3	-1.3	0	0
58	SA-0-1	Z	-.6	-.6	0	0
59	SA-0-2	Z	-.7	-.7	0	0
60	SA-120-1	Z	-.6	-.6	0	0
61	SA-120-2	Z	-.7	-.7	0	0
62	SA-240-1	Z	-1.2	-1.2	0	0
63	SA-240-2	Z	-1.4	-1.4	0	0
64	RRU-SA-1	Z	-.6	-.6	0	0
65	RRU-SA-2	Z	-1.2	-1.2	0	0
66	RRU-SA-3	Z	-.6	-.6	0	0

Member Distributed Loads (BLC 213 : BLC 1 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	CORNER-H-1	Y	-1.6	-2.485	0	4.176
2	CORNER-H-1	Y	-2.485	-2.894	4.176	8.352
3	CORNER-H-1	Y	-2.894	-2.688	8.352	12.527
4	CORNER-H-1	Y	-2.688	-2.337	12.527	16.703
5	CORNER-H-1	Y	-2.337	-1.992	16.703	20.879
6	CORNER-H-1	Y	-1.992	-1.701	20.879	25.055
7	CORNER-H-1	Y	-1.701	-1.34	25.055	29.231
8	CORNER-H-1	Y	-1.34	-.977	29.231	33.406
9	CORNER-H-1	Y	-.977	-.669	33.406	37.582
10	CORNER-H-1	Y	-.669	-.355	37.582	41.758

Member Distributed Loads (BLC 213 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
11	CORNER-H-1	Y	-.355	-.091	41.758	45.934
12	CORNER-H-2	Y	-1.6	-2.485	0	4.176
13	CORNER-H-2	Y	-2.485	-2.894	4.176	8.352
14	CORNER-H-2	Y	-2.894	-2.688	8.352	12.527
15	CORNER-H-2	Y	-2.688	-2.337	12.527	16.703
16	CORNER-H-2	Y	-2.337	-1.992	16.703	20.879
17	CORNER-H-2	Y	-1.992	-1.701	20.879	25.055
18	CORNER-H-2	Y	-1.701	-1.34	25.055	29.231
19	CORNER-H-2	Y	-1.34	-.977	29.231	33.406
20	CORNER-H-2	Y	-.977	-.669	33.406	37.582
21	CORNER-H-2	Y	-.669	-.355	37.582	41.758
22	CORNER-H-2	Y	-.355	-.091	41.758	45.934
23	FM-0	Y	-.001	-.139	0	4.075
24	FM-0	Y	-.139	-.379	4.075	8.15
25	FM-0	Y	-.379	-.543	8.15	12.225
26	FM-0	Y	-.543	-.562	12.225	16.3
27	FM-0	Y	-.562	-.748	16.3	20.375
28	FM-0	Y	-.748	-.974	20.375	24.45
29	FM-0	Y	-.974	-1.126	24.45	28.525
30	FM-0	Y	-1.126	-1.306	28.525	32.6
31	FM-0	Y	-1.306	-1.484	32.6	36.675
32	FM-0	Y	-1.484	-1.641	36.675	40.75
33	FM-0	Y	-1.641	-1.723	40.75	44.825
34	FM-0	Y	-1.723	-1.734	44.825	48.9
35	FM-0	Y	-1.734	-1.7	48.9	52.975
36	FM-0	Y	-1.7	-1.661	52.975	57.05
37	FM-0	Y	-1.661	-1.639	57.05	61.125
38	FM-0	Y	-1.639	-1.635	61.125	65.2
39	FM-0	Y	-1.635	-1.635	65.2	69.275
40	FM-0	Y	-1.635	-1.635	69.275	73.35
41	FM-0	Y	-1.635	-1.635	73.35	77.425
42	FM-0	Y	-1.635	-1.635	77.425	81.5
43	FM-0	Y	-1.635	-1.635	81.5	85.575
44	FM-0	Y	-1.635	-1.635	85.575	89.65
45	FM-0	Y	-1.635	-1.635	89.65	93.725
46	FM-0	Y	-1.635	-1.635	93.725	97.8
47	FM-0	Y	-1.635	-1.635	97.8	101.875
48	FM-0	Y	-1.635	-1.635	101.875	105.95
49	FM-0	Y	-1.635	-1.635	105.95	110.025
50	FM-0	Y	-1.635	-1.636	110.025	114.1
51	FM-0	Y	-1.636	-1.962	114.1	118.175
52	FM-0	Y	-1.962	-1.895	118.175	122.25
53	FM-0	Y	-1.895	-1.4	122.25	126.325
54	FM-0	Y	-1.4	-1.303	126.325	130.4
55	FM-0	Y	-1.303	-1.007	130.4	134.475
56	FM-0	Y	-1.007	-.802	134.475	138.55
57	FM-0	Y	-.802	-.798	138.55	142.625
58	FM-0	Y	-.798	-.618	142.625	146.7
59	FM-0	Y	-.618	-.438	146.7	150.775
60	FM-0	Y	-.438	-.292	150.775	154.85
61	FM-0	Y	-.292	-.15	154.85	158.925
62	FM-0	Y	-.15	-.001	158.925	163
63	HORIZ-0	Y	-.986	-1.4	0	4.172
64	HORIZ-0	Y	-1.4	-1.502	4.172	8.344
65	HORIZ-0	Y	-1.502	-1.532	8.344	12.516
66	HORIZ-0	Y	-1.532	-2.049	12.516	16.688
67	HORIZ-0	Y	-2.049	-2.019	16.688	20.86

Member Distributed Loads (BLC 213 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
68	HORIZ-0	Y	-2.019	-1.607	20.86	25.032
69	HORIZ-0	Y	-1.607	-1.607	25.032	29.204
70	HORIZ-0	Y	-1.607	-1.607	29.204	33.376
71	HORIZ-0	Y	-1.607	-1.607	33.376	37.548
72	HORIZ-0	Y	-1.607	-1.607	37.548	41.72
73	HORIZ-0	Y	-1.607	-1.607	41.72	45.892
74	HORIZ-0	Y	-1.607	-1.607	45.892	50.064
75	HORIZ-0	Y	-1.607	-1.607	50.064	54.236
76	HORIZ-0	Y	-1.607	-1.607	54.236	58.408
77	HORIZ-0	Y	-1.607	-2.006	58.408	62.58
78	HORIZ-0	Y	-2.006	-2.006	62.58	66.752
79	HORIZ-0	Y	-2.006	-1.609	66.752	70.924
80	HORIZ-0	Y	-1.609	-1.624	70.924	75.096
81	HORIZ-0	Y	-1.624	-1.367	75.096	79.268
82	HORIZ-0	Y	-1.367	-.826	79.268	83.44
83	CORNER-H-3	Y	-1.6	-2.485	0	4.176
84	CORNER-H-3	Y	-2.485	-2.894	4.176	8.352
85	CORNER-H-3	Y	-2.894	-2.688	8.352	12.527
86	CORNER-H-3	Y	-2.688	-2.337	12.527	16.703
87	CORNER-H-3	Y	-2.337	-1.992	16.703	20.879
88	CORNER-H-3	Y	-1.992	-1.701	20.879	25.055
89	CORNER-H-3	Y	-1.701	-1.34	25.055	29.231
90	CORNER-H-3	Y	-1.34	-.977	29.231	33.406
91	CORNER-H-3	Y	-.977	-.669	33.406	37.582
92	CORNER-H-3	Y	-.669	-.355	37.582	41.758
93	CORNER-H-3	Y	-.355	-.091	41.758	45.934
94	FM-120	Y	-.001	-.139	0	4.075
95	FM-120	Y	-.139	-.379	4.075	8.15
96	FM-120	Y	-.379	-.543	8.15	12.225
97	FM-120	Y	-.543	-.562	12.225	16.3
98	FM-120	Y	-.562	-.748	16.3	20.375
99	FM-120	Y	-.748	-.974	20.375	24.45
100	FM-120	Y	-.974	-1.126	24.45	28.525
101	FM-120	Y	-1.126	-1.306	28.525	32.6
102	FM-120	Y	-1.306	-1.484	32.6	36.675
103	FM-120	Y	-1.484	-1.641	36.675	40.75
104	FM-120	Y	-1.641	-1.723	40.75	44.825
105	FM-120	Y	-1.723	-1.734	44.825	48.9
106	FM-120	Y	-1.734	-1.7	48.9	52.975
107	FM-120	Y	-1.7	-1.661	52.975	57.05
108	FM-120	Y	-1.661	-1.639	57.05	61.125
109	FM-120	Y	-1.639	-1.635	61.125	65.2
110	FM-120	Y	-1.635	-1.635	65.2	69.275
111	FM-120	Y	-1.635	-1.635	69.275	73.35
112	FM-120	Y	-1.635	-1.635	73.35	77.425
113	FM-120	Y	-1.635	-1.635	77.425	81.5
114	FM-120	Y	-1.635	-1.635	81.5	85.575
115	FM-120	Y	-1.635	-1.635	85.575	89.65
116	FM-120	Y	-1.635	-1.635	89.65	93.725
117	FM-120	Y	-1.635	-1.635	93.725	97.8
118	FM-120	Y	-1.635	-1.635	97.8	101.875
119	FM-120	Y	-1.635	-1.635	101.875	105.95
120	FM-120	Y	-1.635	-1.635	105.95	110.025
121	FM-120	Y	-1.635	-1.636	110.025	114.1
122	FM-120	Y	-1.636	-1.962	114.1	118.175
123	FM-120	Y	-1.962	-1.895	118.175	122.25
124	FM-120	Y	-1.895	-1.4	122.25	126.325

Member Distributed Loads (BLC 213 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
125	FM-120	Y	-1.4	-1.303	126.325	130.4
126	FM-120	Y	-1.303	-1.007	130.4	134.475
127	FM-120	Y	-1.007	-.802	134.475	138.55
128	FM-120	Y	-.802	-.798	138.55	142.625
129	FM-120	Y	-.798	-.618	142.625	146.7
130	FM-120	Y	-.618	-.438	146.7	150.775
131	FM-120	Y	-.438	-.292	150.775	154.85
132	FM-120	Y	-.292	-.15	154.85	158.925
133	FM-120	Y	-.15	-.001	158.925	163
134	HORIZ-120	Y	-.986	-1.4	0	4.172
135	HORIZ-120	Y	-1.4	-1.502	4.172	8.344
136	HORIZ-120	Y	-1.502	-1.532	8.344	12.516
137	HORIZ-120	Y	-1.532	-2.049	12.516	16.688
138	HORIZ-120	Y	-2.049	-2.019	16.688	20.86
139	HORIZ-120	Y	-2.019	-1.607	20.86	25.032
140	HORIZ-120	Y	-1.607	-1.607	25.032	29.204
141	HORIZ-120	Y	-1.607	-1.607	29.204	33.376
142	HORIZ-120	Y	-1.607	-1.607	33.376	37.548
143	HORIZ-120	Y	-1.607	-1.607	37.548	41.72
144	HORIZ-120	Y	-1.607	-1.607	41.72	45.892
145	HORIZ-120	Y	-1.607	-1.607	45.892	50.064
146	HORIZ-120	Y	-1.607	-1.607	50.064	54.236
147	HORIZ-120	Y	-1.607	-1.607	54.236	58.408
148	HORIZ-120	Y	-1.607	-2.006	58.408	62.58
149	HORIZ-120	Y	-2.006	-2.006	62.58	66.752
150	HORIZ-120	Y	-2.006	-1.609	66.752	70.924
151	HORIZ-120	Y	-1.609	-1.624	70.924	75.096
152	HORIZ-120	Y	-1.624	-1.367	75.096	79.268
153	HORIZ-120	Y	-1.367	-.826	79.268	83.44
154	FM-240	Y	-.001	-.139	0	4.075
155	FM-240	Y	-.139	-.379	4.075	8.15
156	FM-240	Y	-.379	-.543	8.15	12.225
157	FM-240	Y	-.543	-.562	12.225	16.3
158	FM-240	Y	-.562	-.748	16.3	20.375
159	FM-240	Y	-.748	-.974	20.375	24.45
160	FM-240	Y	-.974	-1.126	24.45	28.525
161	FM-240	Y	-1.126	-1.306	28.525	32.6
162	FM-240	Y	-1.306	-1.484	32.6	36.675
163	FM-240	Y	-1.484	-1.641	36.675	40.75
164	FM-240	Y	-1.641	-1.723	40.75	44.825
165	FM-240	Y	-1.723	-1.734	44.825	48.9
166	FM-240	Y	-1.734	-1.7	48.9	52.975
167	FM-240	Y	-1.7	-1.661	52.975	57.05
168	FM-240	Y	-1.661	-1.639	57.05	61.125
169	FM-240	Y	-1.639	-1.635	61.125	65.2
170	FM-240	Y	-1.635	-1.635	65.2	69.275
171	FM-240	Y	-1.635	-1.635	69.275	73.35
172	FM-240	Y	-1.635	-1.635	73.35	77.425
173	FM-240	Y	-1.635	-1.635	77.425	81.5
174	FM-240	Y	-1.635	-1.635	81.5	85.575
175	FM-240	Y	-1.635	-1.635	85.575	89.65
176	FM-240	Y	-1.635	-1.635	89.65	93.725
177	FM-240	Y	-1.635	-1.635	93.725	97.8
178	FM-240	Y	-1.635	-1.635	97.8	101.875
179	FM-240	Y	-1.635	-1.635	101.875	105.95
180	FM-240	Y	-1.635	-1.635	105.95	110.025
181	FM-240	Y	-1.635	-1.636	110.025	114.1

Member Distributed Loads (BLC 213 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
182	FM-240	Y	-1.636	-1.962	114.1	118.175
183	FM-240	Y	-1.962	-1.895	118.175	122.25
184	FM-240	Y	-1.895	-1.4	122.25	126.325
185	FM-240	Y	-1.4	-1.303	126.325	130.4
186	FM-240	Y	-1.303	-1.007	130.4	134.475
187	FM-240	Y	-1.007	-.802	134.475	138.55
188	FM-240	Y	-.802	-.798	138.55	142.625
189	FM-240	Y	-.798	-.618	142.625	146.7
190	FM-240	Y	-.618	-.438	146.7	150.775
191	FM-240	Y	-.438	-.292	150.775	154.85
192	FM-240	Y	-.292	-.15	154.85	158.925
193	FM-240	Y	-.15	-.001	158.925	163
194	HORIZ-240	Y	-.986	-1.4	0	4.172
195	HORIZ-240	Y	-1.4	-1.502	4.172	8.344
196	HORIZ-240	Y	-1.502	-1.532	8.344	12.516
197	HORIZ-240	Y	-1.532	-2.049	12.516	16.688
198	HORIZ-240	Y	-2.049	-2.019	16.688	20.86
199	HORIZ-240	Y	-2.019	-1.607	20.86	25.032
200	HORIZ-240	Y	-1.607	-1.607	25.032	29.204
201	HORIZ-240	Y	-1.607	-1.607	29.204	33.376
202	HORIZ-240	Y	-1.607	-1.607	33.376	37.548
203	HORIZ-240	Y	-1.607	-1.607	37.548	41.72
204	HORIZ-240	Y	-1.607	-1.607	41.72	45.892
205	HORIZ-240	Y	-1.607	-1.607	45.892	50.064
206	HORIZ-240	Y	-1.607	-1.607	50.064	54.236
207	HORIZ-240	Y	-1.607	-1.607	54.236	58.408
208	HORIZ-240	Y	-1.607	-2.006	58.408	62.58
209	HORIZ-240	Y	-2.006	-2.006	62.58	66.752
210	HORIZ-240	Y	-2.006	-1.609	66.752	70.924
211	HORIZ-240	Y	-1.609	-1.624	70.924	75.096
212	HORIZ-240	Y	-1.624	-1.367	75.096	79.268
213	HORIZ-240	Y	-1.367	-.826	79.268	83.44

Member Distributed Loads (BLC 214 : BLC 14 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	CORNER-H-1	Y	-9.799	-15.225	0	4.176
2	CORNER-H-1	Y	-15.225	-17.729	4.176	8.352
3	CORNER-H-1	Y	-17.729	-16.464	8.352	12.527
4	CORNER-H-1	Y	-16.464	-14.317	12.527	16.703
5	CORNER-H-1	Y	-14.317	-12.204	16.703	20.879
6	CORNER-H-1	Y	-12.204	-10.422	20.879	25.055
7	CORNER-H-1	Y	-10.422	-8.207	25.055	29.231
8	CORNER-H-1	Y	-8.207	-5.983	29.231	33.406
9	CORNER-H-1	Y	-5.983	-4.097	33.406	37.582
10	CORNER-H-1	Y	-4.097	-2.173	37.582	41.758
11	CORNER-H-1	Y	-2.173	-.559	41.758	45.934
12	CORNER-H-2	Y	-9.799	-15.225	0	4.176
13	CORNER-H-2	Y	-15.225	-17.729	4.176	8.352
14	CORNER-H-2	Y	-17.729	-16.464	8.352	12.527
15	CORNER-H-2	Y	-16.464	-14.317	12.527	16.703
16	CORNER-H-2	Y	-14.317	-12.204	16.703	20.879
17	CORNER-H-2	Y	-12.204	-10.422	20.879	25.055
18	CORNER-H-2	Y	-10.422	-8.207	25.055	29.231
19	CORNER-H-2	Y	-8.207	-5.983	29.231	33.406
20	CORNER-H-2	Y	-5.983	-4.097	33.406	37.582
21	CORNER-H-2	Y	-4.097	-2.173	37.582	41.758

Member Distributed Loads (BLC 214 : BLC 14 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
22	CORNER-H-2	Y	-2.173	-.559	41.758	45.934
23	FM-0	Y	-.008	-.851	0	4.075
24	FM-0	Y	-.851	-2.322	4.075	8.15
25	FM-0	Y	-2.322	-3.324	8.15	12.225
26	FM-0	Y	-3.324	-3.446	12.225	16.3
27	FM-0	Y	-3.446	-4.584	16.3	20.375
28	FM-0	Y	-4.584	-5.968	20.375	24.45
29	FM-0	Y	-5.968	-6.9	24.45	28.525
30	FM-0	Y	-6.9	-8.003	28.525	32.6
31	FM-0	Y	-8.003	-9.093	32.6	36.675
32	FM-0	Y	-9.093	-10.055	36.675	40.75
33	FM-0	Y	-10.055	-10.554	40.75	44.825
34	FM-0	Y	-10.554	-10.623	44.825	48.9
35	FM-0	Y	-10.623	-10.411	48.9	52.975
36	FM-0	Y	-10.411	-10.176	52.975	57.05
37	FM-0	Y	-10.176	-10.042	57.05	61.125
38	FM-0	Y	-10.042	-10.015	61.125	65.2
39	FM-0	Y	-10.015	-10.015	65.2	69.275
40	FM-0	Y	-10.015	-10.015	69.275	73.35
41	FM-0	Y	-10.015	-10.015	73.35	77.425
42	FM-0	Y	-10.015	-10.015	77.425	81.5
43	FM-0	Y	-10.015	-10.015	81.5	85.575
44	FM-0	Y	-10.015	-10.015	85.575	89.65
45	FM-0	Y	-10.015	-10.015	89.65	93.725
46	FM-0	Y	-10.015	-10.015	93.725	97.8
47	FM-0	Y	-10.015	-10.015	97.8	101.875
48	FM-0	Y	-10.015	-10.015	101.875	105.95
49	FM-0	Y	-10.015	-10.015	105.95	110.025
50	FM-0	Y	-10.015	-10.02	110.025	114.1
51	FM-0	Y	-10.02	-12.019	114.1	118.175
52	FM-0	Y	-12.019	-11.611	118.175	122.25
53	FM-0	Y	-11.611	-8.576	122.25	126.325
54	FM-0	Y	-8.576	-7.985	126.325	130.4
55	FM-0	Y	-7.985	-6.171	130.4	134.475
56	FM-0	Y	-6.171	-4.915	134.475	138.55
57	FM-0	Y	-4.915	-4.888	138.55	142.625
58	FM-0	Y	-4.888	-3.785	142.625	146.7
59	FM-0	Y	-3.785	-2.686	146.7	150.775
60	FM-0	Y	-2.686	-1.788	150.775	154.85
61	FM-0	Y	-1.788	-.917	154.85	158.925
62	FM-0	Y	-.917	-.008	158.925	163
63	HORIZ-0	Y	-6.042	-8.578	0	4.172
64	HORIZ-0	Y	-8.578	-9.199	4.172	8.344
65	HORIZ-0	Y	-9.199	-9.385	8.344	12.516
66	HORIZ-0	Y	-9.385	-12.554	12.516	16.688
67	HORIZ-0	Y	-12.554	-12.368	16.688	20.86
68	HORIZ-0	Y	-12.368	-9.845	20.86	25.032
69	HORIZ-0	Y	-9.845	-9.845	25.032	29.204
70	HORIZ-0	Y	-9.845	-9.845	29.204	33.376
71	HORIZ-0	Y	-9.845	-9.845	33.376	37.548
72	HORIZ-0	Y	-9.845	-9.845	37.548	41.72
73	HORIZ-0	Y	-9.845	-9.845	41.72	45.892
74	HORIZ-0	Y	-9.845	-9.845	45.892	50.064
75	HORIZ-0	Y	-9.845	-9.845	50.064	54.236
76	HORIZ-0	Y	-9.845	-9.845	54.236	58.408
77	HORIZ-0	Y	-9.845	-12.287	58.408	62.58
78	HORIZ-0	Y	-12.287	-12.287	62.58	66.752

Member Distributed Loads (BLC 214 : BLC 14 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
79	HORIZ-0	Y	-12.287	-9.856	66.752	70.924
80	HORIZ-0	Y	-9.856	-9.95	70.924	75.096
81	HORIZ-0	Y	-9.95	-8.375	75.096	79.268
82	HORIZ-0	Y	-8.375	-5.06	79.268	83.44
83	CORNER-H-3	Y	-9.799	-15.225	0	4.176
84	CORNER-H-3	Y	-15.225	-17.729	4.176	8.352
85	CORNER-H-3	Y	-17.729	-16.464	8.352	12.527
86	CORNER-H-3	Y	-16.464	-14.317	12.527	16.703
87	CORNER-H-3	Y	-14.317	-12.204	16.703	20.879
88	CORNER-H-3	Y	-12.204	-10.422	20.879	25.055
89	CORNER-H-3	Y	-10.422	-8.207	25.055	29.231
90	CORNER-H-3	Y	-8.207	-5.983	29.231	33.406
91	CORNER-H-3	Y	-5.983	-4.097	33.406	37.582
92	CORNER-H-3	Y	-4.097	-2.173	37.582	41.758
93	CORNER-H-3	Y	-2.173	-.559	41.758	45.934
94	FM-120	Y	-.008	-.851	0	4.075
95	FM-120	Y	-.851	-2.322	4.075	8.15
96	FM-120	Y	-2.322	-3.324	8.15	12.225
97	FM-120	Y	-3.324	-3.446	12.225	16.3
98	FM-120	Y	-3.446	-4.584	16.3	20.375
99	FM-120	Y	-4.584	-5.968	20.375	24.45
100	FM-120	Y	-5.968	-6.9	24.45	28.525
101	FM-120	Y	-6.9	-8.003	28.525	32.6
102	FM-120	Y	-8.003	-9.093	32.6	36.675
103	FM-120	Y	-9.093	-10.055	36.675	40.75
104	FM-120	Y	-10.055	-10.554	40.75	44.825
105	FM-120	Y	-10.554	-10.623	44.825	48.9
106	FM-120	Y	-10.623	-10.411	48.9	52.975
107	FM-120	Y	-10.411	-10.176	52.975	57.05
108	FM-120	Y	-10.176	-10.042	57.05	61.125
109	FM-120	Y	-10.042	-10.015	61.125	65.2
110	FM-120	Y	-10.015	-10.015	65.2	69.275
111	FM-120	Y	-10.015	-10.015	69.275	73.35
112	FM-120	Y	-10.015	-10.015	73.35	77.425
113	FM-120	Y	-10.015	-10.015	77.425	81.5
114	FM-120	Y	-10.015	-10.015	81.5	85.575
115	FM-120	Y	-10.015	-10.015	85.575	89.65
116	FM-120	Y	-10.015	-10.015	89.65	93.725
117	FM-120	Y	-10.015	-10.015	93.725	97.8
118	FM-120	Y	-10.015	-10.015	97.8	101.875
119	FM-120	Y	-10.015	-10.015	101.875	105.95
120	FM-120	Y	-10.015	-10.015	105.95	110.025
121	FM-120	Y	-10.015	-10.02	110.025	114.1
122	FM-120	Y	-10.02	-12.019	114.1	118.175
123	FM-120	Y	-12.019	-11.611	118.175	122.25
124	FM-120	Y	-11.611	-8.576	122.25	126.325
125	FM-120	Y	-8.576	-7.985	126.325	130.4
126	FM-120	Y	-7.985	-6.171	130.4	134.475
127	FM-120	Y	-6.171	-4.915	134.475	138.55
128	FM-120	Y	-4.915	-4.888	138.55	142.625
129	FM-120	Y	-4.888	-3.785	142.625	146.7
130	FM-120	Y	-3.785	-2.686	146.7	150.775
131	FM-120	Y	-2.686	-1.788	150.775	154.85
132	FM-120	Y	-1.788	-.917	154.85	158.925
133	FM-120	Y	-.917	-.008	158.925	163
134	HORIZ-120	Y	-6.042	-8.578	0	4.172
135	HORIZ-120	Y	-8.578	-9.199	4.172	8.344

Member Distributed Loads (BLC 214 : BLC 14 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
136	HORIZ-120	Y	-9.199	-9.385	8.344	12.516
137	HORIZ-120	Y	-9.385	-12.554	12.516	16.688
138	HORIZ-120	Y	-12.554	-12.368	16.688	20.86
139	HORIZ-120	Y	-12.368	-9.845	20.86	25.032
140	HORIZ-120	Y	-9.845	-9.845	25.032	29.204
141	HORIZ-120	Y	-9.845	-9.845	29.204	33.376
142	HORIZ-120	Y	-9.845	-9.845	33.376	37.548
143	HORIZ-120	Y	-9.845	-9.845	37.548	41.72
144	HORIZ-120	Y	-9.845	-9.845	41.72	45.892
145	HORIZ-120	Y	-9.845	-9.845	45.892	50.064
146	HORIZ-120	Y	-9.845	-9.845	50.064	54.236
147	HORIZ-120	Y	-9.845	-9.845	54.236	58.408
148	HORIZ-120	Y	-9.845	-12.287	58.408	62.58
149	HORIZ-120	Y	-12.287	-12.287	62.58	66.752
150	HORIZ-120	Y	-12.287	-9.856	66.752	70.924
151	HORIZ-120	Y	-9.856	-9.95	70.924	75.096
152	HORIZ-120	Y	-9.95	-8.375	75.096	79.268
153	HORIZ-120	Y	-8.375	-5.06	79.268	83.44
154	FM-240	Y	-.008	-.851	0	4.075
155	FM-240	Y	-.851	-2.322	4.075	8.15
156	FM-240	Y	-2.322	-3.324	8.15	12.225
157	FM-240	Y	-3.324	-3.446	12.225	16.3
158	FM-240	Y	-3.446	-4.584	16.3	20.375
159	FM-240	Y	-4.584	-5.968	20.375	24.45
160	FM-240	Y	-5.968	-6.9	24.45	28.525
161	FM-240	Y	-6.9	-8.003	28.525	32.6
162	FM-240	Y	-8.003	-9.093	32.6	36.675
163	FM-240	Y	-9.093	-10.055	36.675	40.75
164	FM-240	Y	-10.055	-10.554	40.75	44.825
165	FM-240	Y	-10.554	-10.623	44.825	48.9
166	FM-240	Y	-10.623	-10.411	48.9	52.975
167	FM-240	Y	-10.411	-10.176	52.975	57.05
168	FM-240	Y	-10.176	-10.042	57.05	61.125
169	FM-240	Y	-10.042	-10.015	61.125	65.2
170	FM-240	Y	-10.015	-10.015	65.2	69.275
171	FM-240	Y	-10.015	-10.015	69.275	73.35
172	FM-240	Y	-10.015	-10.015	73.35	77.425
173	FM-240	Y	-10.015	-10.015	77.425	81.5
174	FM-240	Y	-10.015	-10.015	81.5	85.575
175	FM-240	Y	-10.015	-10.015	85.575	89.65
176	FM-240	Y	-10.015	-10.015	89.65	93.725
177	FM-240	Y	-10.015	-10.015	93.725	97.8
178	FM-240	Y	-10.015	-10.015	97.8	101.875
179	FM-240	Y	-10.015	-10.015	101.875	105.95
180	FM-240	Y	-10.015	-10.015	105.95	110.025
181	FM-240	Y	-10.015	-10.02	110.025	114.1
182	FM-240	Y	-10.02	-12.019	114.1	118.175
183	FM-240	Y	-12.019	-11.611	118.175	122.25
184	FM-240	Y	-11.611	-8.576	122.25	126.325
185	FM-240	Y	-8.576	-7.985	126.325	130.4
186	FM-240	Y	-7.985	-6.171	130.4	134.475
187	FM-240	Y	-6.171	-4.915	134.475	138.55
188	FM-240	Y	-4.915	-4.888	138.55	142.625
189	FM-240	Y	-4.888	-3.785	142.625	146.7
190	FM-240	Y	-3.785	-2.686	146.7	150.775
191	FM-240	Y	-2.686	-1.788	150.775	154.85
192	FM-240	Y	-1.788	-.917	154.85	158.925

Member Distributed Loads (BLC 214 : BLC 14 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
193	FM-240	Y	-.917	-.008	158.925	163
194	HORIZ-240	Y	-6.042	-8.578	0	4.172
195	HORIZ-240	Y	-8.578	-9.199	4.172	8.344
196	HORIZ-240	Y	-9.199	-9.385	8.344	12.516
197	HORIZ-240	Y	-9.385	-12.554	12.516	16.688
198	HORIZ-240	Y	-12.554	-12.368	16.688	20.86
199	HORIZ-240	Y	-12.368	-9.845	20.86	25.032
200	HORIZ-240	Y	-9.845	-9.845	25.032	29.204
201	HORIZ-240	Y	-9.845	-9.845	29.204	33.376
202	HORIZ-240	Y	-9.845	-9.845	33.376	37.548
203	HORIZ-240	Y	-9.845	-9.845	37.548	41.72
204	HORIZ-240	Y	-9.845	-9.845	41.72	45.892
205	HORIZ-240	Y	-9.845	-9.845	45.892	50.064
206	HORIZ-240	Y	-9.845	-9.845	50.064	54.236
207	HORIZ-240	Y	-9.845	-9.845	54.236	58.408
208	HORIZ-240	Y	-9.845	-12.287	58.408	62.58
209	HORIZ-240	Y	-12.287	-12.287	62.58	66.752
210	HORIZ-240	Y	-12.287	-9.856	66.752	70.924
211	HORIZ-240	Y	-9.856	-9.95	70.924	75.096
212	HORIZ-240	Y	-9.95	-8.375	75.096	79.268
213	HORIZ-240	Y	-8.375	-5.06	79.268	83.44

Member Area Loads (BLC 1 : Dead Load)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[psf]
1	N1	N2	N6	N5	Y	Two Way	-1.75
2	N5	N6	N4	N3	Y	Two Way	-1.75
3	N3	N4	N2	N1	Y	Two Way	-1.75

Member Area Loads (BLC 14 : Ice Load)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[psf]
1	N1	N2	N6	N5	Y	Two Way	-10.72
2	N5	N6	N4	N3	Y	Two Way	-10.72
3	N3	N4	N2	N1	Y	Two Way	-10.72

Basic Load Cases

	BLC Description	Category	X Gra...	Y Gra...	Z Gra...	Joint	Point	Distributed	Area(Memb...	Surfac...
1	Dead Load	None		-1			28		3	
2	Wind Load (0 deg)	None					56	66		
3	Wind Load (30 deg)	None					56	66		
4	Wind Load (60 deg)	None					56	66		
5	Wind Load (90 deg)	None					56	66		
6	Wind Load (120 deg)	None					56	66		
7	Wind Load (150 deg)	None					56	66		
8	Wind Load (180 deg)	None					56	66		
9	Wind Load (210 deg)	None					56	66		
10	Wind Load (240 deg)	None					56	66		
11	Wind Load (270 deg)	None					56	66		
12	Wind Load (300 deg)	None					56	66		
13	Wind Load (330 deg)	None					56	66		
14	Ice Load	None					28	33	3	
15	Wind on Ice (0 deg)	None					56	66		
16	Wind on Ice (30 deg)	None					56	66		
17	Wind on Ice (60 deg)	None					56	66		

Basic Load Cases (Continued)

	BLC Description	Category	X Gra...	Y Gra...	Z Gra...	Joint	Point	Distributed	Area(Memb...	Surfac...
18	Wind on Ice (90 deg)	None					56	66		
19	Wind on Ice (120 deg)	None					56	66		
20	Wind on Ice (150 deg)	None					56	66		
21	Wind on Ice (180 deg)	None					56	66		
22	Wind on Ice (210 deg)	None					56	66		
23	Wind on Ice (240 deg)	None					56	66		
24	Wind on Ice (270 deg)	None					56	66		
25	Wind on Ice (300 deg)	None					56	66		
26	Wind on Ice (330 deg)	None					56	66		
27	Horizontal Seismic, Eh (0)	None	1				56			
28	Horizontal Seismic, Eh (30)	None	.866		.5		56			
29	Horizontal Seismic, Eh (60)	None	.5		.866		56			
30	Horizontal Seismic, Eh (90)	None			1		56			
31	Horizontal Seismic, Eh (120)	None	-.5		.866		56			
32	Horizontal Seismic, Eh (150)	None	-.866		.5		56			
33	Horizontal Seismic, Eh (180)	None	-1				56			
34	Horizontal Seismic, Eh (210)	None	-.866		-.5		56			
35	Horizontal Seismic, Eh (240)	None	-.5		-.866		56			
36	Horizontal Seismic, Eh (270)	None			-1		56			
37	Horizontal Seismic, Eh (300)	None	.5		-.866		56			
38	Horizontal Seismic, Eh (330)	None	.866		-.5		56			
39	Maintenance Load, Lm (MP1)	None					1			
40	Maintenance Load, Lm (MP2)	None					1			
41	Maintenance Load, Lm (MP3)	None					1			
42	Maintenance Load, Lm (MP4)	None					1			
43	Maintenance Load, Lm (MP5)	None					1			
44	Maintenance Load, Lm (MP6)	None					1			
45	Maintenance Load, Lm (MP7)	None					1			
46	Maintenance Load, Lm (MP8)	None					1			
47	Maintenance Load, Lm (MP9)	None					1			
48	Maintenance Load, Lm (MP10)	None					1			
49	Maintenance Load, Lm (MP11)	None					1			
50	Maintenance Load, Lm (MP12)	None					1			
51	Maintenance Load, Lm (MP13)	None					1			
52	Maintenance Load, Lm (MP14)	None								
53	Maintenance Load, Lm (MP15)	None								
54	Maintenance Load, Lm (MP16)	None								
55	Maintenance Load, Lm (MP17)	None								
56	Maintenance Load, Lm (MP18)	None								
57	Maintenance Load, Lm (MP19)	None								
58	Maintenance Load, Lm (MP20)	None								
59	Maintenance Load, Lm (MP21)	None								
60	Maintenance Load, Lm (MP22)	None								
61	Maintenance Load, Lm (MP23)	None								
62	Maintenance Load, Lm (MP24)	None								
63	Maintenance Load, Lm (MP25)	None								
64	Maintenance Load, Lm (MP26)	None								
65	Maintenance Load, Lm (MP27)	None								
66	Maintenance Load, Lm (MP28)	None								
67	Maintenance Load, Lm (MP29)	None								
68	Maintenance Load, Lm (MP30)	None								
69	Maintenance Load, Lm (MP31)	None								
70	Maintenance Load, Lm (MP32)	None								
71	Maintenance Load, Lm (MP33)	None								
72	Maintenance Load, Lm (MP34)	None								
73	Maintenance Load, Lm (MP35)	None								
74	Maintenance Load, Lm (MP36)	None								

Basic Load Cases (Continued)

	BLC Description	Category	X Gra...	Y Gra...	Z Gra...	Joint	Point	Distributed	Area(Memb...	Surfac...
75	Maintenance Load, Lv (Pos. 1)	None					1			
76	Maintenance Load, Lv (Pos. 2)	None					1			
77	Maintenance Load, Lv (Pos. 3)	None					1			
78	Maintenance Load, Lv (Pos. 4)	None					1			
79	Maintenance Load, Lv (Pos. 5)	None					1			
80	Maintenance Load, Lv (Pos. 6)	None					1			
81	Maintenance Load, Lv (Pos. 7)	None					1			
82	Maintenance Load, Lv (Pos. 8)	None					1			
83	Maintenance Load, Lv (Pos. 9)	None					1			
84	Maintenance Load, Lv (Pos. 10)	None					1			
85	Maintenance Load, Lv (Pos. 11)	None					1			
86	Maintenance Load, Lv (Pos. 12)	None					1			
87	Maintenance Load, Lv (Pos. 13)	None					1			
88	Maintenance Load, Lv (Pos. 14)	None					1			
89	Maintenance Load, Lv (Pos. 15)	None					1			
90	Maintenance Load, Lv (Pos. 16)	None					1			
91	Maintenance Load, Lv (Pos. 17)	None					1			
92	Maintenance Load, Lv (Pos. 18)	None					1			
93	Maintenance Load, Lv (Pos. 19)	None					1			
94	Maintenance Load, Lv (Pos. 20)	None					1			
95	Maintenance Load, Lv (Pos. 21)	None					1			
96	Maintenance Load, Lv (Pos. 22)	None					1			
97	Maintenance Load, Lv (Pos. 23)	None					1			
98	Maintenance Load, Lv (Pos. 24)	None					1			
99	Maintenance Load, Lv (Pos. 25)	None					1			
100	Maintenance Load, Lv (Pos. 26)	None					1			
101	Maintenance Load, Lv (Pos. 27)	None					1			
102	Maintenance Load, Lv (Pos. 28)	None								
103	Maintenance Load, Lv (Pos. 29)	None								
104	Maintenance Load, Lv (Pos. 30)	None								
105	Maintenance Load, Lv (Pos. 31)	None								
106	Maintenance Load, Lv (Pos. 32)	None								
107	Maintenance Load, Lv (Pos. 33)	None								
108	Maintenance Load, Lv (Pos. 34)	None								
109	Maintenance Load, Lv (Pos. 35)	None								
110	Maintenance Load, Lv (Pos. 36)	None								
111	Maintenance Load, Lv (Pos. 37)	None								
112	Maintenance Load, Lv (Pos. 38)	None								
113	Maintenance Load, Lv (Pos. 39)	None								
114	Maintenance Load, Lv (Pos. 40)	None								
115	Maintenance Load, Lv (Pos. 41)	None								
116	Maintenance Load, Lv (Pos. 42)	None								
117	Maintenance Load, Lv (Pos. 43)	None								
118	Maintenance Load, Lv (Pos. 44)	None								
119	Maintenance Load, Lv (Pos. 45)	None								
120	Maintenance Load, Lv (Pos. 46)	None								
121	Maintenance Load, Lv (Pos. 47)	None								
122	Maintenance Load, Lv (Pos. 48)	None								
123	Maintenance Load, Lv (Pos. 49)	None								
124	Maintenance Load, Lv (Pos. 50)	None								
125	Maintenance Load, Lv (Pos. 51)	None								
126	Maintenance Load, Lv (Pos. 52)	None								
127	Maintenance Load, Lv (Pos. 53)	None								
128	Maintenance Load, Lv (Pos. 54)	None								
129	Maintenance Load, Lv (Pos. 55)	None								
130	Maintenance Load, Lv (Pos. 56)	None								
131	Maintenance Load, Lv (Pos. 57)	None								

Basic Load Cases (Continued)

	BLC Description	Category	X Gra...	Y Gra...	Z Gra...	Joint	Point	Distributed	Area(Memb...	Surfac...
132	Maintenance Load, Lv (Pos. 58)	None								
133	Maintenance Load, Lv (Pos. 59)	None								
134	Maintenance Load, Lv (Pos. 60)	None								
135	Maintenance Load, Lv (Pos. 61)	None								
136	Maintenance Load, Lv (Pos. 62)	None								
137	Maintenance Load, Lv (Pos. 63)	None								
138	Maintenance Load, Lv (Pos. 64)	None								
139	Maintenance Load, Lv (Pos. 65)	None								
140	Maintenance Load, Lv (Pos. 66)	None								
141	Maintenance Load, Lv (Pos. 67)	None								
142	Maintenance Load, Lv (Pos. 68)	None								
143	Maintenance Load, Lv (Pos. 69)	None								
144	Maintenance Load, Lv (Pos. 70)	None								
145	Maintenance Load, Lv (Pos. 71)	None								
146	Maintenance Load, Lv (Pos. 72)	None								
147	Maintenance Load, Lv (Pos. 73)	None								
148	Maintenance Load, Lv (Pos. 74)	None								
149	Maintenance Load, Lv (Pos. 75)	None								
150	Maintenance Load, Lv (Pos. 76)	None								
151	Maintenance Load, Lv (Pos. 77)	None								
152	Maintenance Load, Lv (Pos. 78)	None								
153	Maintenance Load, Lv (Pos. 79)	None								
154	Maintenance Load, Lv (Pos. 80)	None								
155	Maintenance Load, Lv (Pos. 81)	None								
156	Maintenance Load, Lv (Pos. 82)	None								
157	Maintenance Load, Lv (Pos. 83)	None								
158	Maintenance Load, Lv (Pos. 84)	None								
159	Maintenance Load, Lv (Pos. 85)	None								
160	Maintenance Load, Lv (Pos. 86)	None								
161	Maintenance Load, Lv (Pos. 87)	None								
162	Maintenance Load, Lv (Pos. 88)	None								
163	Maintenance Load, Lv (Pos. 89)	None								
164	Maintenance Load, Lv (Pos. 90)	None								
165	Maintenance Load, Lv (Pos. 91)	None								
166	Maintenance Load, Lv (Pos. 92)	None								
167	Maintenance Load, Lv (Pos. 93)	None								
168	Maintenance Load, Lv (Pos. 94)	None								
169	Maintenance Load, Lv (Pos. 95)	None								
170	Maintenance Load, Lv (Pos. 96)	None								
171	Maintenance Load, Lv (Pos. 97)	None								
172	Maintenance Load, Lv (Pos. 98)	None								
173	Maintenance Load, Lv (Pos. 99)	None								
174	Maintenance Load, Lv (Pos. 100)	None								
175	Antenna Dead Load	None					24			
176	Antenna Wind Load (0 deg)	None					48			
177	Antenna Wind Load (30 deg)	None					48			
178	Antenna Wind Load (60 deg)	None					48			
179	Antenna Wind Load (90 deg)	None					48			
180	Antenna Wind Load (120 deg)	None					48			
181	Antenna Wind Load (150 deg)	None					48			
182	Antenna Wind Load (180 deg)	None					48			
183	Antenna Wind Load (210 deg)	None					48			
184	Antenna Wind Load (240 deg)	None					48			
185	Antenna Wind Load (270 deg)	None					48			
186	Antenna Wind Load (300 deg)	None					48			
187	Antenna Wind Load (330 deg)	None					48			
188	Antenna Ice Load	None					24			

Basic Load Cases (Continued)

	BLC Description	Category	X Gra...	Y Gra...	Z Gra...	Joint	Point	Distributed	Area(Memb...	Surfac...
189	Antenna Wind on Ice (0 deg)	None					48			
190	Antenna Wind on Ice (30 deg)	None					48			
191	Antenna Wind on Ice (60 deg)	None					48			
192	Antenna Wind on Ice (90 deg)	None					48			
193	Antenna Wind on Ice (120 deg)	None					48			
194	Antenna Wind on Ice (150 deg)	None					48			
195	Antenna Wind on Ice (180 deg)	None					48			
196	Antenna Wind on Ice (210 deg)	None					48			
197	Antenna Wind on Ice (240 deg)	None					48			
198	Antenna Wind on Ice (270 deg)	None					48			
199	Antenna Wind on Ice (300 deg)	None					48			
200	Antenna Wind on Ice (330 deg)	None					48			
201	Ant. Horiz. Seismic, Eh (0)	None					48			
202	Ant. Horiz. Seismic, Eh (30)	None					48			
203	Ant. Horiz. Seismic, Eh (60)	None					48			
204	Ant. Horiz. Seismic, Eh (90)	None					48			
205	Ant. Horiz. Seismic, Eh (120)	None					48			
206	Ant. Horiz. Seismic, Eh (150)	None					48			
207	Ant. Horiz. Seismic, Eh (180)	None					48			
208	Ant. Horiz. Seismic, Eh (210)	None					48			
209	Ant. Horiz. Seismic, Eh (240)	None					48			
210	Ant. Horiz. Seismic, Eh (270)	None					48			
211	Ant. Horiz. Seismic, Eh (300)	None					48			
212	Ant. Horiz. Seismic, Eh (330)	None					48			
213	BLC 1 Transient Area Loads	None						213		
214	BLC 14 Transient Area Loads	None						213		

Load Combinations

	Description	Solve	P...	SRSS	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	1.4D	Yes	Y		1	1.4	175	1.4																
2	1.2D + 1.0W (0 deg)	Yes	Y		1	1.2	2	1	175	1.2	176	1												
3	1.2D + 1.0W (30 deg)	Yes	Y		1	1.2	3	1	175	1.2	177	1												
4	1.2D + 1.0W (60 deg)	Yes	Y		1	1.2	4	1	175	1.2	178	1												
5	1.2D + 1.0W (90 deg)	Yes	Y		1	1.2	5	1	175	1.2	179	1												
6	1.2D + 1.0W (120 d...	Yes	Y		1	1.2	6	1	175	1.2	180	1												
7	1.2D + 1.0W (150 d...	Yes	Y		1	1.2	7	1	175	1.2	181	1												
8	1.2D + 1.0W (180 d...	Yes	Y		1	1.2	8	1	175	1.2	182	1												
9	1.2D + 1.0W (210 d...	Yes	Y		1	1.2	9	1	175	1.2	183	1												
10	1.2D + 1.0W (240 d...	Yes	Y		1	1.2	10	1	175	1.2	184	1												
11	1.2D + 1.0W (270 d...	Yes	Y		1	1.2	11	1	175	1.2	185	1												
12	1.2D + 1.0W (300 d...	Yes	Y		1	1.2	12	1	175	1.2	186	1												
13	1.2D + 1.0W (330 d...	Yes	Y		1	1.2	13	1	175	1.2	187	1												
14	1.2D + Di + Wi (0 de...	Yes	Y		1	1.2	14	1	15	1	175	1.2	188	1	189	1								
15	1.2D + Di + Wi (30 d...	Yes	Y		1	1.2	14	1	16	1	175	1.2	188	1	190	1								
16	1.2D + Di + Wi (60 d...	Yes	Y		1	1.2	14	1	17	1	175	1.2	188	1	191	1								
17	1.2D + Di + Wi (90 d...	Yes	Y		1	1.2	14	1	18	1	175	1.2	188	1	192	1								
18	1.2D + Di + Wi (120 ...	Yes	Y		1	1.2	14	1	19	1	175	1.2	188	1	193	1								
19	1.2D + Di + Wi (150 ...	Yes	Y		1	1.2	14	1	20	1	175	1.2	188	1	194	1								
20	1.2D + Di + Wi (180 ...	Yes	Y		1	1.2	14	1	21	1	175	1.2	188	1	195	1								
21	1.2D + Di + Wi (210 ...	Yes	Y		1	1.2	14	1	22	1	175	1.2	188	1	196	1								
22	1.2D + Di + Wi (240 ...	Yes	Y		1	1.2	14	1	23	1	175	1.2	188	1	197	1								
23	1.2D + Di + Wi (270 ...	Yes	Y		1	1.2	14	1	24	1	175	1.2	188	1	198	1								
24	1.2D + Di + Wi (300 ...	Yes	Y		1	1.2	14	1	25	1	175	1.2	188	1	199	1								
25	1.2D + Di + Wi (330 ...	Yes	Y		1	1.2	14	1	26	1	175	1.2	188	1	200	1								
26	1.2D + 1.0 Ev + 1.0...	Yes	Y		1	1.2	1	.044	27	.109	175	1.2	175	.044	201	.109								

Load Combinations (Continued)

	Description	Solve	P...	SRSS	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
27	1.2D + 1.0 Ev + 1.0...	Yes	Y		1	1.2	1	.044	28	.109	175	1.2	175	.044	202	.109								
28	1.2D + 1.0 Ev + 1.0...	Yes	Y		1	1.2	1	.044	29	.109	175	1.2	175	.044	203	.109								
29	1.2D + 1.0 Ev + 1.0...	Yes	Y		1	1.2	1	.044	30	.109	175	1.2	175	.044	204	.109								
30	1.2D + 1.0 Ev + 1.0...	Yes	Y		1	1.2	1	.044	31	.109	175	1.2	175	.044	205	.109								
31	1.2D + 1.0 Ev + 1.0...	Yes	Y		1	1.2	1	.044	32	.109	175	1.2	175	.044	206	.109								
32	1.2D + 1.0 Ev + 1.0...	Yes	Y		1	1.2	1	.044	33	.109	175	1.2	175	.044	207	.109								
33	1.2D + 1.0 Ev + 1.0...	Yes	Y		1	1.2	1	.044	34	.109	175	1.2	175	.044	208	.109								
34	1.2D + 1.0 Ev + 1.0...	Yes	Y		1	1.2	1	.044	35	.109	175	1.2	175	.044	209	.109								
35	1.2D + 1.0 Ev + 1.0...	Yes	Y		1	1.2	1	.044	36	.109	175	1.2	175	.044	210	.109								
36	1.2D + 1.0 Ev + 1.0...	Yes	Y		1	1.2	1	.044	37	.109	175	1.2	175	.044	211	.109								
37	1.2D + 1.0 Ev + 1.0...	Yes	Y		1	1.2	1	.044	38	.109	175	1.2	175	.044	212	.109								
38	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.5	2	.059	175	1.2	176	.059										
39	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.5	3	.059	175	1.2	177	.059										
40	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.5	4	.059	175	1.2	178	.059										
41	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.5	5	.059	175	1.2	179	.059										
42	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.5	6	.059	175	1.2	180	.059										
43	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.5	7	.059	175	1.2	181	.059										
44	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.5	8	.059	175	1.2	182	.059										
45	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.5	9	.059	175	1.2	183	.059										
46	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.5	10	.059	175	1.2	184	.059										
47	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.5	11	.059	175	1.2	185	.059										
48	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.5	12	.059	175	1.2	186	.059										
49	1.2D + 1.5Lm1 + 1....	Yes	Y		1	1.2	39	1.5	13	.059	175	1.2	187	.059										
50	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	40	1.5	2	.059	175	1.2	176	.059										
51	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	40	1.5	3	.059	175	1.2	177	.059										
52	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	40	1.5	4	.059	175	1.2	178	.059										
53	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	40	1.5	5	.059	175	1.2	179	.059										
54	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	40	1.5	6	.059	175	1.2	180	.059										
55	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	40	1.5	7	.059	175	1.2	181	.059										
56	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	40	1.5	8	.059	175	1.2	182	.059										
57	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	40	1.5	9	.059	175	1.2	183	.059										
58	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	40	1.5	10	.059	175	1.2	184	.059										
59	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	40	1.5	11	.059	175	1.2	185	.059										
60	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	40	1.5	12	.059	175	1.2	186	.059										
61	1.2D + 1.5Lm2 + 1....	Yes	Y		1	1.2	40	1.5	13	.059	175	1.2	187	.059										
62	1.2D + 1.5Lm3 + 1....	Yes	Y		1	1.2	41	1.5	2	.059	175	1.2	176	.059										
63	1.2D + 1.5Lm3 + 1....	Yes	Y		1	1.2	41	1.5	3	.059	175	1.2	177	.059										
64	1.2D + 1.5Lm3 + 1....	Yes	Y		1	1.2	41	1.5	4	.059	175	1.2	178	.059										
65	1.2D + 1.5Lm3 + 1....	Yes	Y		1	1.2	41	1.5	5	.059	175	1.2	179	.059										
66	1.2D + 1.5Lm3 + 1....	Yes	Y		1	1.2	41	1.5	6	.059	175	1.2	180	.059										
67	1.2D + 1.5Lm3 + 1....	Yes	Y		1	1.2	41	1.5	7	.059	175	1.2	181	.059										
68	1.2D + 1.5Lm3 + 1....	Yes	Y		1	1.2	41	1.5	8	.059	175	1.2	182	.059										
69	1.2D + 1.5Lm3 + 1....	Yes	Y		1	1.2	41	1.5	9	.059	175	1.2	183	.059										
70	1.2D + 1.5Lm3 + 1....	Yes	Y		1	1.2	41	1.5	10	.059	175	1.2	184	.059										
71	1.2D + 1.5Lm3 + 1....	Yes	Y		1	1.2	41	1.5	11	.059	175	1.2	185	.059										
72	1.2D + 1.5Lm3 + 1....	Yes	Y		1	1.2	41	1.5	12	.059	175	1.2	186	.059										
73	1.2D + 1.5Lm3 + 1....	Yes	Y		1	1.2	41	1.5	13	.059	175	1.2	187	.059										
74	1.2D + 1.5Lm4 + 1....	Yes	Y		1	1.2	42	1.5	2	.059	175	1.2	176	.059										
75	1.2D + 1.5Lm4 + 1....	Yes	Y		1	1.2	42	1.5	3	.059	175	1.2	177	.059										
76	1.2D + 1.5Lm4 + 1....	Yes	Y		1	1.2	42	1.5	4	.059	175	1.2	178	.059										
77	1.2D + 1.5Lm4 + 1....	Yes	Y		1	1.2	42	1.5	5	.059	175	1.2	179	.059										
78	1.2D + 1.5Lm4 + 1....	Yes	Y		1	1.2	42	1.5	6	.059	175	1.2	180	.059										
79	1.2D + 1.5Lm4 + 1....	Yes	Y		1	1.2	42	1.5	7	.059	175	1.2	181	.059										
80	1.2D + 1.5Lm4 + 1....	Yes	Y		1	1.2	42	1.5	8	.059	175	1.2	182	.059										
81	1.2D + 1.5Lm4 + 1....	Yes	Y		1	1.2	42	1.5	9	.059	175	1.2	183	.059										
82	1.2D + 1.5Lm4 + 1....	Yes	Y		1	1.2	42	1.5	10	.059	175	1.2	184	.059										
83	1.2D + 1.5Lm4 + 1....	Yes	Y		1	1.2	42	1.5	11	.059	175	1.2	185	.059										

Load Combinations (Continued)

	Description	Solve	P...	SRSS	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
84	1.2D + 1.5Lm4 + 1....	Yes	Y		1	1.2	42	1.5	12	.059	175	1.2	186	.059										
85	1.2D + 1.5Lm4 + 1....	Yes	Y		1	1.2	42	1.5	13	.059	175	1.2	187	.059										
86	1.2D + 1.5Lm5 + 1....	Yes	Y		1	1.2	43	1.5	2	.059	175	1.2	176	.059										
87	1.2D + 1.5Lm5 + 1....	Yes	Y		1	1.2	43	1.5	3	.059	175	1.2	177	.059										
88	1.2D + 1.5Lm5 + 1....	Yes	Y		1	1.2	43	1.5	4	.059	175	1.2	178	.059										
89	1.2D + 1.5Lm5 + 1....	Yes	Y		1	1.2	43	1.5	5	.059	175	1.2	179	.059										
90	1.2D + 1.5Lm5 + 1....	Yes	Y		1	1.2	43	1.5	6	.059	175	1.2	180	.059										
91	1.2D + 1.5Lm5 + 1....	Yes	Y		1	1.2	43	1.5	7	.059	175	1.2	181	.059										
92	1.2D + 1.5Lm5 + 1....	Yes	Y		1	1.2	43	1.5	8	.059	175	1.2	182	.059										
93	1.2D + 1.5Lm5 + 1....	Yes	Y		1	1.2	43	1.5	9	.059	175	1.2	183	.059										
94	1.2D + 1.5Lm5 + 1....	Yes	Y		1	1.2	43	1.5	10	.059	175	1.2	184	.059										
95	1.2D + 1.5Lm5 + 1....	Yes	Y		1	1.2	43	1.5	11	.059	175	1.2	185	.059										
96	1.2D + 1.5Lm5 + 1....	Yes	Y		1	1.2	43	1.5	12	.059	175	1.2	186	.059										
97	1.2D + 1.5Lm5 + 1....	Yes	Y		1	1.2	43	1.5	13	.059	175	1.2	187	.059										
98	1.2D + 1.5Lm6 + 1....	Yes	Y		1	1.2	44	1.5	2	.059	175	1.2	176	.059										
99	1.2D + 1.5Lm6 + 1....	Yes	Y		1	1.2	44	1.5	3	.059	175	1.2	177	.059										
100	1.2D + 1.5Lm6 + 1....	Yes	Y		1	1.2	44	1.5	4	.059	175	1.2	178	.059										
101	1.2D + 1.5Lm6 + 1....	Yes	Y		1	1.2	44	1.5	5	.059	175	1.2	179	.059										
102	1.2D + 1.5Lm6 + 1....	Yes	Y		1	1.2	44	1.5	6	.059	175	1.2	180	.059										
103	1.2D + 1.5Lm6 + 1....	Yes	Y		1	1.2	44	1.5	7	.059	175	1.2	181	.059										
104	1.2D + 1.5Lm6 + 1....	Yes	Y		1	1.2	44	1.5	8	.059	175	1.2	182	.059										
105	1.2D + 1.5Lm6 + 1....	Yes	Y		1	1.2	44	1.5	9	.059	175	1.2	183	.059										
106	1.2D + 1.5Lm6 + 1....	Yes	Y		1	1.2	44	1.5	10	.059	175	1.2	184	.059										
107	1.2D + 1.5Lm6 + 1....	Yes	Y		1	1.2	44	1.5	11	.059	175	1.2	185	.059										
108	1.2D + 1.5Lm6 + 1....	Yes	Y		1	1.2	44	1.5	12	.059	175	1.2	186	.059										
109	1.2D + 1.5Lm6 + 1....	Yes	Y		1	1.2	44	1.5	13	.059	175	1.2	187	.059										
110	1.2D + 1.5Lm7 + 1....	Yes	Y		1	1.2	45	1.5	2	.059	175	1.2	176	.059										
111	1.2D + 1.5Lm7 + 1....	Yes	Y		1	1.2	45	1.5	3	.059	175	1.2	177	.059										
112	1.2D + 1.5Lm7 + 1....	Yes	Y		1	1.2	45	1.5	4	.059	175	1.2	178	.059										
113	1.2D + 1.5Lm7 + 1....	Yes	Y		1	1.2	45	1.5	5	.059	175	1.2	179	.059										
114	1.2D + 1.5Lm7 + 1....	Yes	Y		1	1.2	45	1.5	6	.059	175	1.2	180	.059										
115	1.2D + 1.5Lm7 + 1....	Yes	Y		1	1.2	45	1.5	7	.059	175	1.2	181	.059										
116	1.2D + 1.5Lm7 + 1....	Yes	Y		1	1.2	45	1.5	8	.059	175	1.2	182	.059										
117	1.2D + 1.5Lm7 + 1....	Yes	Y		1	1.2	45	1.5	9	.059	175	1.2	183	.059										
118	1.2D + 1.5Lm7 + 1....	Yes	Y		1	1.2	45	1.5	10	.059	175	1.2	184	.059										
119	1.2D + 1.5Lm7 + 1....	Yes	Y		1	1.2	45	1.5	11	.059	175	1.2	185	.059										
120	1.2D + 1.5Lm7 + 1....	Yes	Y		1	1.2	45	1.5	12	.059	175	1.2	186	.059										
121	1.2D + 1.5Lm7 + 1....	Yes	Y		1	1.2	45	1.5	13	.059	175	1.2	187	.059										
122	1.2D + 1.5Lm8 + 1....	Yes	Y		1	1.2	46	1.5	2	.059	175	1.2	176	.059										
123	1.2D + 1.5Lm8 + 1....	Yes	Y		1	1.2	46	1.5	3	.059	175	1.2	177	.059										
124	1.2D + 1.5Lm8 + 1....	Yes	Y		1	1.2	46	1.5	4	.059	175	1.2	178	.059										
125	1.2D + 1.5Lm8 + 1....	Yes	Y		1	1.2	46	1.5	5	.059	175	1.2	179	.059										
126	1.2D + 1.5Lm8 + 1....	Yes	Y		1	1.2	46	1.5	6	.059	175	1.2	180	.059										
127	1.2D + 1.5Lm8 + 1....	Yes	Y		1	1.2	46	1.5	7	.059	175	1.2	181	.059										
128	1.2D + 1.5Lm8 + 1....	Yes	Y		1	1.2	46	1.5	8	.059	175	1.2	182	.059										
129	1.2D + 1.5Lm8 + 1....	Yes	Y		1	1.2	46	1.5	9	.059	175	1.2	183	.059										
130	1.2D + 1.5Lm8 + 1....	Yes	Y		1	1.2	46	1.5	10	.059	175	1.2	184	.059										
131	1.2D + 1.5Lm8 + 1....	Yes	Y		1	1.2	46	1.5	11	.059	175	1.2	185	.059										
132	1.2D + 1.5Lm8 + 1....	Yes	Y		1	1.2	46	1.5	12	.059	175	1.2	186	.059										
133	1.2D + 1.5Lm8 + 1....	Yes	Y		1	1.2	46	1.5	13	.059	175	1.2	187	.059										
134	1.2D + 1.5Lm9 + 1....	Yes	Y		1	1.2	47	1.5	2	.059	175	1.2	176	.059										
135	1.2D + 1.5Lm9 + 1....	Yes	Y		1	1.2	47	1.5	3	.059	175	1.2	177	.059										
136	1.2D + 1.5Lm9 + 1....	Yes	Y		1	1.2	47	1.5	4	.059	175	1.2	178	.059										
137	1.2D + 1.5Lm9 + 1....	Yes	Y		1	1.2	47	1.5	5	.059	175	1.2	179	.059										
138	1.2D + 1.5Lm9 + 1....	Yes	Y		1	1.2	47	1.5	6	.059	175	1.2	180	.059										
139	1.2D + 1.5Lm9 + 1....	Yes	Y		1	1.2	47	1.5	7	.059	175	1.2	181	.059										
140	1.2D + 1.5Lm9 + 1....	Yes	Y		1	1.2	47	1.5	8	.059	175	1.2	182	.059										

Load Combinations (Continued)

	Description	Solve	P...	SRSS	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
141	1.2D + 1.5Lm9 + 1....	Yes	Y		1	1.2	47	1.5	9	.059	175	1.2	183	.059										
142	1.2D + 1.5Lm9 + 1....	Yes	Y		1	1.2	47	1.5	10	.059	175	1.2	184	.059										
143	1.2D + 1.5Lm9 + 1....	Yes	Y		1	1.2	47	1.5	11	.059	175	1.2	185	.059										
144	1.2D + 1.5Lm9 + 1....	Yes	Y		1	1.2	47	1.5	12	.059	175	1.2	186	.059										
145	1.2D + 1.5Lm9 + 1....	Yes	Y		1	1.2	47	1.5	13	.059	175	1.2	187	.059										
146	1.2D + 1.5Lm10 + 1...	Yes	Y		1	1.2	48	1.5	2	.059	175	1.2	176	.059										
147	1.2D + 1.5Lm10 + 1...	Yes	Y		1	1.2	48	1.5	3	.059	175	1.2	177	.059										
148	1.2D + 1.5Lm10 + 1...	Yes	Y		1	1.2	48	1.5	4	.059	175	1.2	178	.059										
149	1.2D + 1.5Lm10 + 1...	Yes	Y		1	1.2	48	1.5	5	.059	175	1.2	179	.059										
150	1.2D + 1.5Lm10 + 1...	Yes	Y		1	1.2	48	1.5	6	.059	175	1.2	180	.059										
151	1.2D + 1.5Lm10 + 1...	Yes	Y		1	1.2	48	1.5	7	.059	175	1.2	181	.059										
152	1.2D + 1.5Lm10 + 1...	Yes	Y		1	1.2	48	1.5	8	.059	175	1.2	182	.059										
153	1.2D + 1.5Lm10 + 1...	Yes	Y		1	1.2	48	1.5	9	.059	175	1.2	183	.059										
154	1.2D + 1.5Lm10 + 1...	Yes	Y		1	1.2	48	1.5	10	.059	175	1.2	184	.059										
155	1.2D + 1.5Lm10 + 1...	Yes	Y		1	1.2	48	1.5	11	.059	175	1.2	185	.059										
156	1.2D + 1.5Lm10 + 1...	Yes	Y		1	1.2	48	1.5	12	.059	175	1.2	186	.059										
157	1.2D + 1.5Lm10 + 1...	Yes	Y		1	1.2	48	1.5	13	.059	175	1.2	187	.059										
158	1.2D + 1.5Lm11 + 1...	Yes	Y		1	1.2	49	1.5	2	.059	175	1.2	176	.059										
159	1.2D + 1.5Lm11 + 1...	Yes	Y		1	1.2	49	1.5	3	.059	175	1.2	177	.059										
160	1.2D + 1.5Lm11 + 1...	Yes	Y		1	1.2	49	1.5	4	.059	175	1.2	178	.059										
161	1.2D + 1.5Lm11 + 1...	Yes	Y		1	1.2	49	1.5	5	.059	175	1.2	179	.059										
162	1.2D + 1.5Lm11 + 1...	Yes	Y		1	1.2	49	1.5	6	.059	175	1.2	180	.059										
163	1.2D + 1.5Lm11 + 1...	Yes	Y		1	1.2	49	1.5	7	.059	175	1.2	181	.059										
164	1.2D + 1.5Lm11 + 1...	Yes	Y		1	1.2	49	1.5	8	.059	175	1.2	182	.059										
165	1.2D + 1.5Lm11 + 1...	Yes	Y		1	1.2	49	1.5	9	.059	175	1.2	183	.059										
166	1.2D + 1.5Lm11 + 1...	Yes	Y		1	1.2	49	1.5	10	.059	175	1.2	184	.059										
167	1.2D + 1.5Lm11 + 1...	Yes	Y		1	1.2	49	1.5	11	.059	175	1.2	185	.059										
168	1.2D + 1.5Lm11 + 1...	Yes	Y		1	1.2	49	1.5	12	.059	175	1.2	186	.059										
169	1.2D + 1.5Lm11 + 1...	Yes	Y		1	1.2	49	1.5	13	.059	175	1.2	187	.059										
170	1.2D + 1.5Lm12 + 1...	Yes	Y		1	1.2	50	1.5	2	.059	175	1.2	176	.059										
171	1.2D + 1.5Lm12 + 1...	Yes	Y		1	1.2	50	1.5	3	.059	175	1.2	177	.059										
172	1.2D + 1.5Lm12 + 1...	Yes	Y		1	1.2	50	1.5	4	.059	175	1.2	178	.059										
173	1.2D + 1.5Lm12 + 1...	Yes	Y		1	1.2	50	1.5	5	.059	175	1.2	179	.059										
174	1.2D + 1.5Lm12 + 1...	Yes	Y		1	1.2	50	1.5	6	.059	175	1.2	180	.059										
175	1.2D + 1.5Lm12 + 1...	Yes	Y		1	1.2	50	1.5	7	.059	175	1.2	181	.059										
176	1.2D + 1.5Lm12 + 1...	Yes	Y		1	1.2	50	1.5	8	.059	175	1.2	182	.059										
177	1.2D + 1.5Lm12 + 1...	Yes	Y		1	1.2	50	1.5	9	.059	175	1.2	183	.059										
178	1.2D + 1.5Lm12 + 1...	Yes	Y		1	1.2	50	1.5	10	.059	175	1.2	184	.059										
179	1.2D + 1.5Lm12 + 1...	Yes	Y		1	1.2	50	1.5	11	.059	175	1.2	185	.059										
180	1.2D + 1.5Lm12 + 1...	Yes	Y		1	1.2	50	1.5	12	.059	175	1.2	186	.059										
181	1.2D + 1.5Lm12 + 1...	Yes	Y		1	1.2	50	1.5	13	.059	175	1.2	187	.059										
182	1.2D + 1.5Lm13 + 1...	Yes	Y		1	1.2	51	1.5	2	.059	175	1.2	176	.059										
183	1.2D + 1.5Lm13 + 1...	Yes	Y		1	1.2	51	1.5	3	.059	175	1.2	177	.059										
184	1.2D + 1.5Lm13 + 1...	Yes	Y		1	1.2	51	1.5	4	.059	175	1.2	178	.059										
185	1.2D + 1.5Lm13 + 1...	Yes	Y		1	1.2	51	1.5	5	.059	175	1.2	179	.059										
186	1.2D + 1.5Lm13 + 1...	Yes	Y		1	1.2	51	1.5	6	.059	175	1.2	180	.059										
187	1.2D + 1.5Lm13 + 1...	Yes	Y		1	1.2	51	1.5	7	.059	175	1.2	181	.059										
188	1.2D + 1.5Lm13 + 1...	Yes	Y		1	1.2	51	1.5	8	.059	175	1.2	182	.059										
189	1.2D + 1.5Lm13 + 1...	Yes	Y		1	1.2	51	1.5	9	.059	175	1.2	183	.059										
190	1.2D + 1.5Lm13 + 1...	Yes	Y		1	1.2	51	1.5	10	.059	175	1.2	184	.059										
191	1.2D + 1.5Lm13 + 1...	Yes	Y		1	1.2	51	1.5	11	.059	175	1.2	185	.059										
192	1.2D + 1.5Lm13 + 1...	Yes	Y		1	1.2	51	1.5	12	.059	175	1.2	186	.059										
193	1.2D + 1.5Lm13 + 1...	Yes	Y		1	1.2	51	1.5	13	.059	175	1.2	187	.059										
194	1.2D + 1.5Lm14 + 1...		Y		1	1.2	52	1.5	2	.059	175	1.2	176	.059										
195	1.2D + 1.5Lm14 + 1...		Y		1	1.2	52	1.5	3	.059	175	1.2	177	.059										
196	1.2D + 1.5Lm14 + 1...		Y		1	1.2	52	1.5	4	.059	175	1.2	178	.059										
197	1.2D + 1.5Lm14 + 1...		Y		1	1.2	52	1.5	5	.059	175	1.2	179	.059										

Load Combinations (Continued)

	Description	Solve	P...	SRSS	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
198	1.2D + 1.5Lm14 + 1...		Y		1	1.2	52	1.5	6	.059	175	1.2	180	.059										
199	1.2D + 1.5Lm14 + 1...		Y		1	1.2	52	1.5	7	.059	175	1.2	181	.059										
200	1.2D + 1.5Lm14 + 1...		Y		1	1.2	52	1.5	8	.059	175	1.2	182	.059										
201	1.2D + 1.5Lm14 + 1...		Y		1	1.2	52	1.5	9	.059	175	1.2	183	.059										
202	1.2D + 1.5Lm14 + 1...		Y		1	1.2	52	1.5	10	.059	175	1.2	184	.059										
203	1.2D + 1.5Lm14 + 1...		Y		1	1.2	52	1.5	11	.059	175	1.2	185	.059										
204	1.2D + 1.5Lm14 + 1...		Y		1	1.2	52	1.5	12	.059	175	1.2	186	.059										
205	1.2D + 1.5Lm14 + 1...		Y		1	1.2	52	1.5	13	.059	175	1.2	187	.059										
206	1.2D + 1.5Lm15 + 1...		Y		1	1.2	53	1.5	2	.059	175	1.2	176	.059										
207	1.2D + 1.5Lm15 + 1...		Y		1	1.2	53	1.5	3	.059	175	1.2	177	.059										
208	1.2D + 1.5Lm15 + 1...		Y		1	1.2	53	1.5	4	.059	175	1.2	178	.059										
209	1.2D + 1.5Lm15 + 1...		Y		1	1.2	53	1.5	5	.059	175	1.2	179	.059										
210	1.2D + 1.5Lm15 + 1...		Y		1	1.2	53	1.5	6	.059	175	1.2	180	.059										
211	1.2D + 1.5Lm15 + 1...		Y		1	1.2	53	1.5	7	.059	175	1.2	181	.059										
212	1.2D + 1.5Lm15 + 1...		Y		1	1.2	53	1.5	8	.059	175	1.2	182	.059										
213	1.2D + 1.5Lm15 + 1...		Y		1	1.2	53	1.5	9	.059	175	1.2	183	.059										
214	1.2D + 1.5Lm15 + 1...		Y		1	1.2	53	1.5	10	.059	175	1.2	184	.059										
215	1.2D + 1.5Lm15 + 1...		Y		1	1.2	53	1.5	11	.059	175	1.2	185	.059										
216	1.2D + 1.5Lm15 + 1...		Y		1	1.2	53	1.5	12	.059	175	1.2	186	.059										
217	1.2D + 1.5Lm15 + 1...		Y		1	1.2	53	1.5	13	.059	175	1.2	187	.059										
218	1.2D + 1.5Lm16 + 1...		Y		1	1.2	54	1.5	2	.059	175	1.2	176	.059										
219	1.2D + 1.5Lm16 + 1...		Y		1	1.2	54	1.5	3	.059	175	1.2	177	.059										
220	1.2D + 1.5Lm16 + 1...		Y		1	1.2	54	1.5	4	.059	175	1.2	178	.059										
221	1.2D + 1.5Lm16 + 1...		Y		1	1.2	54	1.5	5	.059	175	1.2	179	.059										
222	1.2D + 1.5Lm16 + 1...		Y		1	1.2	54	1.5	6	.059	175	1.2	180	.059										
223	1.2D + 1.5Lm16 + 1...		Y		1	1.2	54	1.5	7	.059	175	1.2	181	.059										
224	1.2D + 1.5Lm16 + 1...		Y		1	1.2	54	1.5	8	.059	175	1.2	182	.059										
225	1.2D + 1.5Lm16 + 1...		Y		1	1.2	54	1.5	9	.059	175	1.2	183	.059										
226	1.2D + 1.5Lm16 + 1...		Y		1	1.2	54	1.5	10	.059	175	1.2	184	.059										
227	1.2D + 1.5Lm16 + 1...		Y		1	1.2	54	1.5	11	.059	175	1.2	185	.059										
228	1.2D + 1.5Lm16 + 1...		Y		1	1.2	54	1.5	12	.059	175	1.2	186	.059										
229	1.2D + 1.5Lm16 + 1...		Y		1	1.2	54	1.5	13	.059	175	1.2	187	.059										
230	1.2D + 1.5Lm17 + 1...		Y		1	1.2	55	1.5	2	.059	175	1.2	176	.059										
231	1.2D + 1.5Lm17 + 1...		Y		1	1.2	55	1.5	3	.059	175	1.2	177	.059										
232	1.2D + 1.5Lm17 + 1...		Y		1	1.2	55	1.5	4	.059	175	1.2	178	.059										
233	1.2D + 1.5Lm17 + 1...		Y		1	1.2	55	1.5	5	.059	175	1.2	179	.059										
234	1.2D + 1.5Lm17 + 1...		Y		1	1.2	55	1.5	6	.059	175	1.2	180	.059										
235	1.2D + 1.5Lm17 + 1...		Y		1	1.2	55	1.5	7	.059	175	1.2	181	.059										
236	1.2D + 1.5Lm17 + 1...		Y		1	1.2	55	1.5	8	.059	175	1.2	182	.059										
237	1.2D + 1.5Lm17 + 1...		Y		1	1.2	55	1.5	9	.059	175	1.2	183	.059										
238	1.2D + 1.5Lm17 + 1...		Y		1	1.2	55	1.5	10	.059	175	1.2	184	.059										
239	1.2D + 1.5Lm17 + 1...		Y		1	1.2	55	1.5	11	.059	175	1.2	185	.059										
240	1.2D + 1.5Lm17 + 1...		Y		1	1.2	55	1.5	12	.059	175	1.2	186	.059										
241	1.2D + 1.5Lm17 + 1...		Y		1	1.2	55	1.5	13	.059	175	1.2	187	.059										
242	1.2D + 1.5Lm18 + 1...		Y		1	1.2	56	1.5	2	.059	175	1.2	176	.059										
243	1.2D + 1.5Lm18 + 1...		Y		1	1.2	56	1.5	3	.059	175	1.2	177	.059										
244	1.2D + 1.5Lm18 + 1...		Y		1	1.2	56	1.5	4	.059	175	1.2	178	.059										
245	1.2D + 1.5Lm18 + 1...		Y		1	1.2	56	1.5	5	.059	175	1.2	179	.059										
246	1.2D + 1.5Lm18 + 1...		Y		1	1.2	56	1.5	6	.059	175	1.2	180	.059										
247	1.2D + 1.5Lm18 + 1...		Y		1	1.2	56	1.5	7	.059	175	1.2	181	.059										
248	1.2D + 1.5Lm18 + 1...		Y		1	1.2	56	1.5	8	.059	175	1.2	182	.059										
249	1.2D + 1.5Lm18 + 1...		Y		1	1.2	56	1.5	9	.059	175	1.2	183	.059										
250	1.2D + 1.5Lm18 + 1...		Y		1	1.2	56	1.5	10	.059	175	1.2	184	.059										
251	1.2D + 1.5Lm18 + 1...		Y		1	1.2	56	1.5	11	.059	175	1.2	185	.059										
252	1.2D + 1.5Lm18 + 1...		Y		1	1.2	56	1.5	12	.059	175	1.2	186	.059										
253	1.2D + 1.5Lm18 + 1...		Y		1	1.2	56	1.5	13	.059	175	1.2	187	.059										
254	1.2D + 1.5Lm19 + 1...		Y		1	1.2	57	1.5	2	.059	175	1.2	176	.059										

Load Combinations (Continued)

	Description	Solve	P...	SRSS	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
255	1.2D + 1.5Lm19 + 1...		Y		1	1.2	57	1.5	3	.059	175	1.2	177	.059										
256	1.2D + 1.5Lm19 + 1...		Y		1	1.2	57	1.5	4	.059	175	1.2	178	.059										
257	1.2D + 1.5Lm19 + 1...		Y		1	1.2	57	1.5	5	.059	175	1.2	179	.059										
258	1.2D + 1.5Lm19 + 1...		Y		1	1.2	57	1.5	6	.059	175	1.2	180	.059										
259	1.2D + 1.5Lm19 + 1...		Y		1	1.2	57	1.5	7	.059	175	1.2	181	.059										
260	1.2D + 1.5Lm19 + 1...		Y		1	1.2	57	1.5	8	.059	175	1.2	182	.059										
261	1.2D + 1.5Lm19 + 1...		Y		1	1.2	57	1.5	9	.059	175	1.2	183	.059										
262	1.2D + 1.5Lm19 + 1...		Y		1	1.2	57	1.5	10	.059	175	1.2	184	.059										
263	1.2D + 1.5Lm19 + 1...		Y		1	1.2	57	1.5	11	.059	175	1.2	185	.059										
264	1.2D + 1.5Lm19 + 1...		Y		1	1.2	57	1.5	12	.059	175	1.2	186	.059										
265	1.2D + 1.5Lm19 + 1...		Y		1	1.2	57	1.5	13	.059	175	1.2	187	.059										
266	1.2D + 1.5Lm20 + 1...		Y		1	1.2	58	1.5	2	.059	175	1.2	176	.059										
267	1.2D + 1.5Lm20 + 1...		Y		1	1.2	58	1.5	3	.059	175	1.2	177	.059										
268	1.2D + 1.5Lm20 + 1...		Y		1	1.2	58	1.5	4	.059	175	1.2	178	.059										
269	1.2D + 1.5Lm20 + 1...		Y		1	1.2	58	1.5	5	.059	175	1.2	179	.059										
270	1.2D + 1.5Lm20 + 1...		Y		1	1.2	58	1.5	6	.059	175	1.2	180	.059										
271	1.2D + 1.5Lm20 + 1...		Y		1	1.2	58	1.5	7	.059	175	1.2	181	.059										
272	1.2D + 1.5Lm20 + 1...		Y		1	1.2	58	1.5	8	.059	175	1.2	182	.059										
273	1.2D + 1.5Lm20 + 1...		Y		1	1.2	58	1.5	9	.059	175	1.2	183	.059										
274	1.2D + 1.5Lm20 + 1...		Y		1	1.2	58	1.5	10	.059	175	1.2	184	.059										
275	1.2D + 1.5Lm20 + 1...		Y		1	1.2	58	1.5	11	.059	175	1.2	185	.059										
276	1.2D + 1.5Lm20 + 1...		Y		1	1.2	58	1.5	12	.059	175	1.2	186	.059										
277	1.2D + 1.5Lm20 + 1...		Y		1	1.2	58	1.5	13	.059	175	1.2	187	.059										
278	1.2D + 1.5Lm21 + 1...		Y		1	1.2	59	1.5	2	.059	175	1.2	176	.059										
279	1.2D + 1.5Lm21 + 1...		Y		1	1.2	59	1.5	3	.059	175	1.2	177	.059										
280	1.2D + 1.5Lm21 + 1...		Y		1	1.2	59	1.5	4	.059	175	1.2	178	.059										
281	1.2D + 1.5Lm21 + 1...		Y		1	1.2	59	1.5	5	.059	175	1.2	179	.059										
282	1.2D + 1.5Lm21 + 1...		Y		1	1.2	59	1.5	6	.059	175	1.2	180	.059										
283	1.2D + 1.5Lm21 + 1...		Y		1	1.2	59	1.5	7	.059	175	1.2	181	.059										
284	1.2D + 1.5Lm21 + 1...		Y		1	1.2	59	1.5	8	.059	175	1.2	182	.059										
285	1.2D + 1.5Lm21 + 1...		Y		1	1.2	59	1.5	9	.059	175	1.2	183	.059										
286	1.2D + 1.5Lm21 + 1...		Y		1	1.2	59	1.5	10	.059	175	1.2	184	.059										
287	1.2D + 1.5Lm21 + 1...		Y		1	1.2	59	1.5	11	.059	175	1.2	185	.059										
288	1.2D + 1.5Lm21 + 1...		Y		1	1.2	59	1.5	12	.059	175	1.2	186	.059										
289	1.2D + 1.5Lm21 + 1...		Y		1	1.2	59	1.5	13	.059	175	1.2	187	.059										
290	1.2D + 1.5Lm22 + 1...		Y		1	1.2	60	1.5	2	.059	175	1.2	176	.059										
291	1.2D + 1.5Lm22 + 1...		Y		1	1.2	60	1.5	3	.059	175	1.2	177	.059										
292	1.2D + 1.5Lm22 + 1...		Y		1	1.2	60	1.5	4	.059	175	1.2	178	.059										
293	1.2D + 1.5Lm22 + 1...		Y		1	1.2	60	1.5	5	.059	175	1.2	179	.059										
294	1.2D + 1.5Lm22 + 1...		Y		1	1.2	60	1.5	6	.059	175	1.2	180	.059										
295	1.2D + 1.5Lm22 + 1...		Y		1	1.2	60	1.5	7	.059	175	1.2	181	.059										
296	1.2D + 1.5Lm22 + 1...		Y		1	1.2	60	1.5	8	.059	175	1.2	182	.059										
297	1.2D + 1.5Lm22 + 1...		Y		1	1.2	60	1.5	9	.059	175	1.2	183	.059										
298	1.2D + 1.5Lm22 + 1...		Y		1	1.2	60	1.5	10	.059	175	1.2	184	.059										
299	1.2D + 1.5Lm22 + 1...		Y		1	1.2	60	1.5	11	.059	175	1.2	185	.059										
300	1.2D + 1.5Lm22 + 1...		Y		1	1.2	60	1.5	12	.059	175	1.2	186	.059										
301	1.2D + 1.5Lm22 + 1...		Y		1	1.2	60	1.5	13	.059	175	1.2	187	.059										
302	1.2D + 1.5Lm23 + 1...		Y		1	1.2	61	1.5	2	.059	175	1.2	176	.059										
303	1.2D + 1.5Lm23 + 1...		Y		1	1.2	61	1.5	3	.059	175	1.2	177	.059										
304	1.2D + 1.5Lm23 + 1...		Y		1	1.2	61	1.5	4	.059	175	1.2	178	.059										
305	1.2D + 1.5Lm23 + 1...		Y		1	1.2	61	1.5	5	.059	175	1.2	179	.059										
306	1.2D + 1.5Lm23 + 1...		Y		1	1.2	61	1.5	6	.059	175	1.2	180	.059										
307	1.2D + 1.5Lm23 + 1...		Y		1	1.2	61	1.5	7	.059	175	1.2	181	.059										
308	1.2D + 1.5Lm23 + 1...		Y		1	1.2	61	1.5	8	.059	175	1.2	182	.059										
309	1.2D + 1.5Lm23 + 1...		Y		1	1.2	61	1.5	9	.059	175	1.2	183	.059										
310	1.2D + 1.5Lm23 + 1...		Y		1	1.2	61	1.5	10	.059	175	1.2	184	.059										
311	1.2D + 1.5Lm23 + 1...		Y		1	1.2	61	1.5	11	.059	175	1.2	185	.059										

Load Combinations (Continued)

	Description	Solve	P...	SRSS	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
312	1.2D + 1.5Lm23 + 1...		Y		1	1.2	61	1.5	12	.059	175	1.2	186	.059										
313	1.2D + 1.5Lm23 + 1...		Y		1	1.2	61	1.5	13	.059	175	1.2	187	.059										
314	1.2D + 1.5Lm24 + 1...		Y		1	1.2	62	1.5	2	.059	175	1.2	176	.059										
315	1.2D + 1.5Lm24 + 1...		Y		1	1.2	62	1.5	3	.059	175	1.2	177	.059										
316	1.2D + 1.5Lm24 + 1...		Y		1	1.2	62	1.5	4	.059	175	1.2	178	.059										
317	1.2D + 1.5Lm24 + 1...		Y		1	1.2	62	1.5	5	.059	175	1.2	179	.059										
318	1.2D + 1.5Lm24 + 1...		Y		1	1.2	62	1.5	6	.059	175	1.2	180	.059										
319	1.2D + 1.5Lm24 + 1...		Y		1	1.2	62	1.5	7	.059	175	1.2	181	.059										
320	1.2D + 1.5Lm24 + 1...		Y		1	1.2	62	1.5	8	.059	175	1.2	182	.059										
321	1.2D + 1.5Lm24 + 1...		Y		1	1.2	62	1.5	9	.059	175	1.2	183	.059										
322	1.2D + 1.5Lm24 + 1...		Y		1	1.2	62	1.5	10	.059	175	1.2	184	.059										
323	1.2D + 1.5Lm24 + 1...		Y		1	1.2	62	1.5	11	.059	175	1.2	185	.059										
324	1.2D + 1.5Lm24 + 1...		Y		1	1.2	62	1.5	12	.059	175	1.2	186	.059										
325	1.2D + 1.5Lm24 + 1...		Y		1	1.2	62	1.5	13	.059	175	1.2	187	.059										
326	1.2D + 1.5Lm25 + 1...		Y		1	1.2	63	1.5	2	.059	175	1.2	176	.059										
327	1.2D + 1.5Lm25 + 1...		Y		1	1.2	63	1.5	3	.059	175	1.2	177	.059										
328	1.2D + 1.5Lm25 + 1...		Y		1	1.2	63	1.5	4	.059	175	1.2	178	.059										
329	1.2D + 1.5Lm25 + 1...		Y		1	1.2	63	1.5	5	.059	175	1.2	179	.059										
330	1.2D + 1.5Lm25 + 1...		Y		1	1.2	63	1.5	6	.059	175	1.2	180	.059										
331	1.2D + 1.5Lm25 + 1...		Y		1	1.2	63	1.5	7	.059	175	1.2	181	.059										
332	1.2D + 1.5Lm25 + 1...		Y		1	1.2	63	1.5	8	.059	175	1.2	182	.059										
333	1.2D + 1.5Lm25 + 1...		Y		1	1.2	63	1.5	9	.059	175	1.2	183	.059										
334	1.2D + 1.5Lm25 + 1...		Y		1	1.2	63	1.5	10	.059	175	1.2	184	.059										
335	1.2D + 1.5Lm25 + 1...		Y		1	1.2	63	1.5	11	.059	175	1.2	185	.059										
336	1.2D + 1.5Lm25 + 1...		Y		1	1.2	63	1.5	12	.059	175	1.2	186	.059										
337	1.2D + 1.5Lm25 + 1...		Y		1	1.2	63	1.5	13	.059	175	1.2	187	.059										
338	1.2D + 1.5Lm26 + 1...		Y		1	1.2	64	1.5	2	.059	175	1.2	176	.059										
339	1.2D + 1.5Lm26 + 1...		Y		1	1.2	64	1.5	3	.059	175	1.2	177	.059										
340	1.2D + 1.5Lm26 + 1...		Y		1	1.2	64	1.5	4	.059	175	1.2	178	.059										
341	1.2D + 1.5Lm26 + 1...		Y		1	1.2	64	1.5	5	.059	175	1.2	179	.059										
342	1.2D + 1.5Lm26 + 1...		Y		1	1.2	64	1.5	6	.059	175	1.2	180	.059										
343	1.2D + 1.5Lm26 + 1...		Y		1	1.2	64	1.5	7	.059	175	1.2	181	.059										
344	1.2D + 1.5Lm26 + 1...		Y		1	1.2	64	1.5	8	.059	175	1.2	182	.059										
345	1.2D + 1.5Lm26 + 1...		Y		1	1.2	64	1.5	9	.059	175	1.2	183	.059										
346	1.2D + 1.5Lm26 + 1...		Y		1	1.2	64	1.5	10	.059	175	1.2	184	.059										
347	1.2D + 1.5Lm26 + 1...		Y		1	1.2	64	1.5	11	.059	175	1.2	185	.059										
348	1.2D + 1.5Lm26 + 1...		Y		1	1.2	64	1.5	12	.059	175	1.2	186	.059										
349	1.2D + 1.5Lm26 + 1...		Y		1	1.2	64	1.5	13	.059	175	1.2	187	.059										
350	1.2D + 1.5Lm27 + 1...		Y		1	1.2	65	1.5	2	.059	175	1.2	176	.059										
351	1.2D + 1.5Lm27 + 1...		Y		1	1.2	65	1.5	3	.059	175	1.2	177	.059										
352	1.2D + 1.5Lm27 + 1...		Y		1	1.2	65	1.5	4	.059	175	1.2	178	.059										
353	1.2D + 1.5Lm27 + 1...		Y		1	1.2	65	1.5	5	.059	175	1.2	179	.059										
354	1.2D + 1.5Lm27 + 1...		Y		1	1.2	65	1.5	6	.059	175	1.2	180	.059										
355	1.2D + 1.5Lm27 + 1...		Y		1	1.2	65	1.5	7	.059	175	1.2	181	.059										
356	1.2D + 1.5Lm27 + 1...		Y		1	1.2	65	1.5	8	.059	175	1.2	182	.059										
357	1.2D + 1.5Lm27 + 1...		Y		1	1.2	65	1.5	9	.059	175	1.2	183	.059										
358	1.2D + 1.5Lm27 + 1...		Y		1	1.2	65	1.5	10	.059	175	1.2	184	.059										
359	1.2D + 1.5Lm27 + 1...		Y		1	1.2	65	1.5	11	.059	175	1.2	185	.059										
360	1.2D + 1.5Lm27 + 1...		Y		1	1.2	65	1.5	12	.059	175	1.2	186	.059										
361	1.2D + 1.5Lm27 + 1...		Y		1	1.2	65	1.5	13	.059	175	1.2	187	.059										
362	1.2D + 1.5Lm28 + 1...		Y		1	1.2	66	1.5	2	.059	175	1.2	176	.059										
363	1.2D + 1.5Lm28 + 1...		Y		1	1.2	66	1.5	3	.059	175	1.2	177	.059										
364	1.2D + 1.5Lm28 + 1...		Y		1	1.2	66	1.5	4	.059	175	1.2	178	.059										
365	1.2D + 1.5Lm28 + 1...		Y		1	1.2	66	1.5	5	.059	175	1.2	179	.059										
366	1.2D + 1.5Lm28 + 1...		Y		1	1.2	66	1.5	6	.059	175	1.2	180	.059										
367	1.2D + 1.5Lm28 + 1...		Y		1	1.2	66	1.5	7	.059	175	1.2	181	.059										
368	1.2D + 1.5Lm28 + 1...		Y		1	1.2	66	1.5	8	.059	175	1.2	182	.059										

Load Combinations (Continued)

	Description	Solve	P...	SRSS	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
369	1.2D + 1.5Lm28 + 1...		Y		1	1.2	66	1.5	9	.059	175	1.2	183	.059										
370	1.2D + 1.5Lm28 + 1...		Y		1	1.2	66	1.5	10	.059	175	1.2	184	.059										
371	1.2D + 1.5Lm28 + 1...		Y		1	1.2	66	1.5	11	.059	175	1.2	185	.059										
372	1.2D + 1.5Lm28 + 1...		Y		1	1.2	66	1.5	12	.059	175	1.2	186	.059										
373	1.2D + 1.5Lm28 + 1...		Y		1	1.2	66	1.5	13	.059	175	1.2	187	.059										
374	1.2D + 1.5Lm29 + 1...		Y		1	1.2	67	1.5	2	.059	175	1.2	176	.059										
375	1.2D + 1.5Lm29 + 1...		Y		1	1.2	67	1.5	3	.059	175	1.2	177	.059										
376	1.2D + 1.5Lm29 + 1...		Y		1	1.2	67	1.5	4	.059	175	1.2	178	.059										
377	1.2D + 1.5Lm29 + 1...		Y		1	1.2	67	1.5	5	.059	175	1.2	179	.059										
378	1.2D + 1.5Lm29 + 1...		Y		1	1.2	67	1.5	6	.059	175	1.2	180	.059										
379	1.2D + 1.5Lm29 + 1...		Y		1	1.2	67	1.5	7	.059	175	1.2	181	.059										
380	1.2D + 1.5Lm29 + 1...		Y		1	1.2	67	1.5	8	.059	175	1.2	182	.059										
381	1.2D + 1.5Lm29 + 1...		Y		1	1.2	67	1.5	9	.059	175	1.2	183	.059										
382	1.2D + 1.5Lm29 + 1...		Y		1	1.2	67	1.5	10	.059	175	1.2	184	.059										
383	1.2D + 1.5Lm29 + 1...		Y		1	1.2	67	1.5	11	.059	175	1.2	185	.059										
384	1.2D + 1.5Lm29 + 1...		Y		1	1.2	67	1.5	12	.059	175	1.2	186	.059										
385	1.2D + 1.5Lm29 + 1...		Y		1	1.2	67	1.5	13	.059	175	1.2	187	.059										
386	1.2D + 1.5Lm30 + 1...		Y		1	1.2	68	1.5	2	.059	175	1.2	176	.059										
387	1.2D + 1.5Lm30 + 1...		Y		1	1.2	68	1.5	3	.059	175	1.2	177	.059										
388	1.2D + 1.5Lm30 + 1...		Y		1	1.2	68	1.5	4	.059	175	1.2	178	.059										
389	1.2D + 1.5Lm30 + 1...		Y		1	1.2	68	1.5	5	.059	175	1.2	179	.059										
390	1.2D + 1.5Lm30 + 1...		Y		1	1.2	68	1.5	6	.059	175	1.2	180	.059										
391	1.2D + 1.5Lm30 + 1...		Y		1	1.2	68	1.5	7	.059	175	1.2	181	.059										
392	1.2D + 1.5Lm30 + 1...		Y		1	1.2	68	1.5	8	.059	175	1.2	182	.059										
393	1.2D + 1.5Lm30 + 1...		Y		1	1.2	68	1.5	9	.059	175	1.2	183	.059										
394	1.2D + 1.5Lm30 + 1...		Y		1	1.2	68	1.5	10	.059	175	1.2	184	.059										
395	1.2D + 1.5Lm30 + 1...		Y		1	1.2	68	1.5	11	.059	175	1.2	185	.059										
396	1.2D + 1.5Lm30 + 1...		Y		1	1.2	68	1.5	12	.059	175	1.2	186	.059										
397	1.2D + 1.5Lm30 + 1...		Y		1	1.2	68	1.5	13	.059	175	1.2	187	.059										
398	1.2D + 1.5Lm31 + 1...		Y		1	1.2	69	1.5	2	.059	175	1.2	176	.059										
399	1.2D + 1.5Lm31 + 1...		Y		1	1.2	69	1.5	3	.059	175	1.2	177	.059										
400	1.2D + 1.5Lm31 + 1...		Y		1	1.2	69	1.5	4	.059	175	1.2	178	.059										
401	1.2D + 1.5Lm31 + 1...		Y		1	1.2	69	1.5	5	.059	175	1.2	179	.059										
402	1.2D + 1.5Lm31 + 1...		Y		1	1.2	69	1.5	6	.059	175	1.2	180	.059										
403	1.2D + 1.5Lm31 + 1...		Y		1	1.2	69	1.5	7	.059	175	1.2	181	.059										
404	1.2D + 1.5Lm31 + 1...		Y		1	1.2	69	1.5	8	.059	175	1.2	182	.059										
405	1.2D + 1.5Lm31 + 1...		Y		1	1.2	69	1.5	9	.059	175	1.2	183	.059										
406	1.2D + 1.5Lm31 + 1...		Y		1	1.2	69	1.5	10	.059	175	1.2	184	.059										
407	1.2D + 1.5Lm31 + 1...		Y		1	1.2	69	1.5	11	.059	175	1.2	185	.059										
408	1.2D + 1.5Lm31 + 1...		Y		1	1.2	69	1.5	12	.059	175	1.2	186	.059										
409	1.2D + 1.5Lm31 + 1...		Y		1	1.2	69	1.5	13	.059	175	1.2	187	.059										
410	1.2D + 1.5Lm32 + 1...		Y		1	1.2	70	1.5	2	.059	175	1.2	176	.059										
411	1.2D + 1.5Lm32 + 1...		Y		1	1.2	70	1.5	3	.059	175	1.2	177	.059										
412	1.2D + 1.5Lm32 + 1...		Y		1	1.2	70	1.5	4	.059	175	1.2	178	.059										
413	1.2D + 1.5Lm32 + 1...		Y		1	1.2	70	1.5	5	.059	175	1.2	179	.059										
414	1.2D + 1.5Lm32 + 1...		Y		1	1.2	70	1.5	6	.059	175	1.2	180	.059										
415	1.2D + 1.5Lm32 + 1...		Y		1	1.2	70	1.5	7	.059	175	1.2	181	.059										
416	1.2D + 1.5Lm32 + 1...		Y		1	1.2	70	1.5	8	.059	175	1.2	182	.059										
417	1.2D + 1.5Lm32 + 1...		Y		1	1.2	70	1.5	9	.059	175	1.2	183	.059										
418	1.2D + 1.5Lm32 + 1...		Y		1	1.2	70	1.5	10	.059	175	1.2	184	.059										
419	1.2D + 1.5Lm32 + 1...		Y		1	1.2	70	1.5	11	.059	175	1.2	185	.059										
420	1.2D + 1.5Lm32 + 1...		Y		1	1.2	70	1.5	12	.059	175	1.2	186	.059										
421	1.2D + 1.5Lm32 + 1...		Y		1	1.2	70	1.5	13	.059	175	1.2	187	.059										
422	1.2D + 1.5Lm33 + 1...		Y		1	1.2	71	1.5	2	.059	175	1.2	176	.059										
423	1.2D + 1.5Lm33 + 1...		Y		1	1.2	71	1.5	3	.059	175	1.2	177	.059										
424	1.2D + 1.5Lm33 + 1...		Y		1	1.2	71	1.5	4	.059	175	1.2	178	.059										
425	1.2D + 1.5Lm33 + 1...		Y		1	1.2	71	1.5	5	.059	175	1.2	179	.059										

Load Combinations (Continued)

	Description	Solve	P...	SRSS	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
426	1.2D + 1.5Lm33 + 1...		Y		1	1.2	71	1.5	6	.059	175	1.2	180	.059										
427	1.2D + 1.5Lm33 + 1...		Y		1	1.2	71	1.5	7	.059	175	1.2	181	.059										
428	1.2D + 1.5Lm33 + 1...		Y		1	1.2	71	1.5	8	.059	175	1.2	182	.059										
429	1.2D + 1.5Lm33 + 1...		Y		1	1.2	71	1.5	9	.059	175	1.2	183	.059										
430	1.2D + 1.5Lm33 + 1...		Y		1	1.2	71	1.5	10	.059	175	1.2	184	.059										
431	1.2D + 1.5Lm33 + 1...		Y		1	1.2	71	1.5	11	.059	175	1.2	185	.059										
432	1.2D + 1.5Lm33 + 1...		Y		1	1.2	71	1.5	12	.059	175	1.2	186	.059										
433	1.2D + 1.5Lm33 + 1...		Y		1	1.2	71	1.5	13	.059	175	1.2	187	.059										
434	1.2D + 1.5Lm34 + 1...		Y		1	1.2	72	1.5	2	.059	175	1.2	176	.059										
435	1.2D + 1.5Lm34 + 1...		Y		1	1.2	72	1.5	3	.059	175	1.2	177	.059										
436	1.2D + 1.5Lm34 + 1...		Y		1	1.2	72	1.5	4	.059	175	1.2	178	.059										
437	1.2D + 1.5Lm34 + 1...		Y		1	1.2	72	1.5	5	.059	175	1.2	179	.059										
438	1.2D + 1.5Lm34 + 1...		Y		1	1.2	72	1.5	6	.059	175	1.2	180	.059										
439	1.2D + 1.5Lm34 + 1...		Y		1	1.2	72	1.5	7	.059	175	1.2	181	.059										
440	1.2D + 1.5Lm34 + 1...		Y		1	1.2	72	1.5	8	.059	175	1.2	182	.059										
441	1.2D + 1.5Lm34 + 1...		Y		1	1.2	72	1.5	9	.059	175	1.2	183	.059										
442	1.2D + 1.5Lm34 + 1...		Y		1	1.2	72	1.5	10	.059	175	1.2	184	.059										
443	1.2D + 1.5Lm34 + 1...		Y		1	1.2	72	1.5	11	.059	175	1.2	185	.059										
444	1.2D + 1.5Lm34 + 1...		Y		1	1.2	72	1.5	12	.059	175	1.2	186	.059										
445	1.2D + 1.5Lm34 + 1...		Y		1	1.2	72	1.5	13	.059	175	1.2	187	.059										
446	1.2D + 1.5Lm35 + 1...		Y		1	1.2	73	1.5	2	.059	175	1.2	176	.059										
447	1.2D + 1.5Lm35 + 1...		Y		1	1.2	73	1.5	3	.059	175	1.2	177	.059										
448	1.2D + 1.5Lm35 + 1...		Y		1	1.2	73	1.5	4	.059	175	1.2	178	.059										
449	1.2D + 1.5Lm35 + 1...		Y		1	1.2	73	1.5	5	.059	175	1.2	179	.059										
450	1.2D + 1.5Lm35 + 1...		Y		1	1.2	73	1.5	6	.059	175	1.2	180	.059										
451	1.2D + 1.5Lm35 + 1...		Y		1	1.2	73	1.5	7	.059	175	1.2	181	.059										
452	1.2D + 1.5Lm35 + 1...		Y		1	1.2	73	1.5	8	.059	175	1.2	182	.059										
453	1.2D + 1.5Lm35 + 1...		Y		1	1.2	73	1.5	9	.059	175	1.2	183	.059										
454	1.2D + 1.5Lm35 + 1...		Y		1	1.2	73	1.5	10	.059	175	1.2	184	.059										
455	1.2D + 1.5Lm35 + 1...		Y		1	1.2	73	1.5	11	.059	175	1.2	185	.059										
456	1.2D + 1.5Lm35 + 1...		Y		1	1.2	73	1.5	12	.059	175	1.2	186	.059										
457	1.2D + 1.5Lm35 + 1...		Y		1	1.2	73	1.5	13	.059	175	1.2	187	.059										
458	1.2D + 1.5Lm36 + 1...		Y		1	1.2	74	1.5	2	.059	175	1.2	176	.059										
459	1.2D + 1.5Lm36 + 1...		Y		1	1.2	74	1.5	3	.059	175	1.2	177	.059										
460	1.2D + 1.5Lm36 + 1...		Y		1	1.2	74	1.5	4	.059	175	1.2	178	.059										
461	1.2D + 1.5Lm36 + 1...		Y		1	1.2	74	1.5	5	.059	175	1.2	179	.059										
462	1.2D + 1.5Lm36 + 1...		Y		1	1.2	74	1.5	6	.059	175	1.2	180	.059										
463	1.2D + 1.5Lm36 + 1...		Y		1	1.2	74	1.5	7	.059	175	1.2	181	.059										
464	1.2D + 1.5Lm36 + 1...		Y		1	1.2	74	1.5	8	.059	175	1.2	182	.059										
465	1.2D + 1.5Lm36 + 1...		Y		1	1.2	74	1.5	9	.059	175	1.2	183	.059										
466	1.2D + 1.5Lm36 + 1...		Y		1	1.2	74	1.5	10	.059	175	1.2	184	.059										
467	1.2D + 1.5Lm36 + 1...		Y		1	1.2	74	1.5	11	.059	175	1.2	185	.059										
468	1.2D + 1.5Lm36 + 1...		Y		1	1.2	74	1.5	12	.059	175	1.2	186	.059										
469	1.2D + 1.5Lm36 + 1...		Y		1	1.2	74	1.5	13	.059	175	1.2	187	.059										
470	1.2D + 1.5Lv (Positi...	Yes	Y		1	1.2	75	1.5	175	1.2														
471	1.2D + 1.5Lv (Positi...	Yes	Y		1	1.2	76	1.5	175	1.2														
472	1.2D + 1.5Lv (Positi...	Yes	Y		1	1.2	77	1.5	175	1.2														
473	1.2D + 1.5Lv (Positi...	Yes	Y		1	1.2	78	1.5	175	1.2														
474	1.2D + 1.5Lv (Positi...	Yes	Y		1	1.2	79	1.5	175	1.2														
475	1.2D + 1.5Lv (Positi...	Yes	Y		1	1.2	80	1.5	175	1.2														
476	1.2D + 1.5Lv (Positi...	Yes	Y		1	1.2	81	1.5	175	1.2														
477	1.2D + 1.5Lv (Positi...	Yes	Y		1	1.2	82	1.5	175	1.2														
478	1.2D + 1.5Lv (Positi...	Yes	Y		1	1.2	83	1.5	175	1.2														
479	1.2D + 1.5Lv (Positi...	Yes	Y		1	1.2	84	1.5	175	1.2														
480	1.2D + 1.5Lv (Positi...	Yes	Y		1	1.2	85	1.5	175	1.2														
481	1.2D + 1.5Lv (Positi...	Yes	Y		1	1.2	86	1.5	175	1.2														
482	1.2D + 1.5Lv (Positi...	Yes	Y		1	1.2	87	1.5	175	1.2														

Load Combinations (Continued)

	Description	Solve	P...	SRSS	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
483	1.2D + 1.5Lv (Positi...	Yes	Y		1	1.2	88	1.5	175	1.2																
484	1.2D + 1.5Lv (Positi...	Yes	Y		1	1.2	89	1.5	175	1.2																
485	1.2D + 1.5Lv (Positi...	Yes	Y		1	1.2	90	1.5	175	1.2																
486	1.2D + 1.5Lv (Positi...	Yes	Y		1	1.2	91	1.5	175	1.2																
487	1.2D + 1.5Lv (Positi...	Yes	Y		1	1.2	92	1.5	175	1.2																
488	1.2D + 1.5Lv (Positi...	Yes	Y		1	1.2	93	1.5	175	1.2																
489	1.2D + 1.5Lv (Positi...	Yes	Y		1	1.2	94	1.5	175	1.2																
490	1.2D + 1.5Lv (Positi...	Yes	Y		1	1.2	95	1.5	175	1.2																
491	1.2D + 1.5Lv (Positi...	Yes	Y		1	1.2	96	1.5	175	1.2																
492	1.2D + 1.5Lv (Positi...	Yes	Y		1	1.2	97	1.5	175	1.2																
493	1.2D + 1.5Lv (Positi...	Yes	Y		1	1.2	98	1.5	175	1.2																
494	1.2D + 1.5Lv (Positi...	Yes	Y		1	1.2	99	1.5	175	1.2																
495	1.2D + 1.5Lv (Positi...	Yes	Y		1	1.2	100	1.5	175	1.2																
496	1.2D + 1.5Lv (Positi...	Yes	Y		1	1.2	101	1.5	175	1.2																
497	1.2D + 1.5Lv (Positi...		Y		1	1.2	102	1.5	175	1.2																
498	1.2D + 1.5Lv (Positi...		Y		1	1.2	103	1.5	175	1.2																
499	1.2D + 1.5Lv (Positi...		Y		1	1.2	104	1.5	175	1.2																
500	1.2D + 1.5Lv (Positi...		Y		1	1.2	105	1.5	175	1.2																
501	1.2D + 1.5Lv (Positi...		Y		1	1.2	106	1.5	175	1.2																
502	1.2D + 1.5Lv (Positi...		Y		1	1.2	107	1.5	175	1.2																
503	1.2D + 1.5Lv (Positi...		Y		1	1.2	108	1.5	175	1.2																
504	1.2D + 1.5Lv (Positi...		Y		1	1.2	109	1.5	175	1.2																
505	1.2D + 1.5Lv (Positi...		Y		1	1.2	110	1.5	175	1.2																
506	1.2D + 1.5Lv (Positi...		Y		1	1.2	111	1.5	175	1.2																
507	1.2D + 1.5Lv (Positi...		Y		1	1.2	112	1.5	175	1.2																
508	1.2D + 1.5Lv (Positi...		Y		1	1.2	113	1.5	175	1.2																
509	1.2D + 1.5Lv (Positi...		Y		1	1.2	114	1.5	175	1.2																
510	1.2D + 1.5Lv (Positi...		Y		1	1.2	115	1.5	175	1.2																
511	1.2D + 1.5Lv (Positi...		Y		1	1.2	116	1.5	175	1.2																
512	1.2D + 1.5Lv (Positi...		Y		1	1.2	117	1.5	175	1.2																
513	1.2D + 1.5Lv (Positi...		Y		1	1.2	118	1.5	175	1.2																
514	1.2D + 1.5Lv (Positi...		Y		1	1.2	119	1.5	175	1.2																
515	1.2D + 1.5Lv (Positi...		Y		1	1.2	120	1.5	175	1.2																
516	1.2D + 1.5Lv (Positi...		Y		1	1.2	121	1.5	175	1.2																
517	1.2D + 1.5Lv (Positi...		Y		1	1.2	122	1.5	175	1.2																
518	1.2D + 1.5Lv (Positi...		Y		1	1.2	123	1.5	175	1.2																
519	1.2D + 1.5Lv (Positi...		Y		1	1.2	124	1.5	175	1.2																
520	1.2D + 1.5Lv (Positi...		Y		1	1.2	125	1.5	175	1.2																
521	1.2D + 1.5Lv (Positi...		Y		1	1.2	126	1.5	175	1.2																
522	1.2D + 1.5Lv (Positi...		Y		1	1.2	127	1.5	175	1.2																
523	1.2D + 1.5Lv (Positi...		Y		1	1.2	128	1.5	175	1.2																
524	1.2D + 1.5Lv (Positi...		Y		1	1.2	129	1.5	175	1.2																
525	1.2D + 1.5Lv (Positi...		Y		1	1.2	130	1.5	175	1.2																
526	1.2D + 1.5Lv (Positi...		Y		1	1.2	131	1.5	175	1.2																
527	1.2D + 1.5Lv (Positi...		Y		1	1.2	132	1.5	175	1.2																
528	1.2D + 1.5Lv (Positi...		Y		1	1.2	133	1.5	175	1.2																
529	1.2D + 1.5Lv (Positi...		Y		1	1.2	134	1.5	175	1.2																
530	1.2D + 1.5Lv (Positi...		Y		1	1.2	135	1.5	175	1.2																
531	1.2D + 1.5Lv (Positi...		Y		1	1.2	136	1.5	175	1.2																
532	1.2D + 1.5Lv (Positi...		Y		1	1.2	137	1.5	175	1.2																
533	1.2D + 1.5Lv (Positi...		Y		1	1.2	138	1.5	175	1.2																
534	1.2D + 1.5Lv (Positi...		Y		1	1.2	139	1.5	175	1.2																
535	1.2D + 1.5Lv (Positi...		Y		1	1.2	140	1.5	175	1.2																
536	1.2D + 1.5Lv (Positi...		Y		1	1.2	141	1.5	175	1.2																
537	1.2D + 1.5Lv (Positi...		Y		1	1.2	142	1.5	175	1.2																
538	1.2D + 1.5Lv (Positi...		Y		1	1.2	143	1.5	175	1.2																
539	1.2D + 1.5Lv (Positi...		Y		1	1.2	144	1.5	175	1.2																

Load Combinations (Continued)

	Description	Solve	P...	SRSS	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
540	1.2D + 1.5Lv (Positi...		Y		1	1.2	145	1.5	175	1.2														
541	1.2D + 1.5Lv (Positi...		Y		1	1.2	146	1.5	175	1.2														
542	1.2D + 1.5Lv (Positi...		Y		1	1.2	147	1.5	175	1.2														
543	1.2D + 1.5Lv (Positi...		Y		1	1.2	148	1.5	175	1.2														
544	1.2D + 1.5Lv (Positi...		Y		1	1.2	149	1.5	175	1.2														
545	1.2D + 1.5Lv (Positi...		Y		1	1.2	150	1.5	175	1.2														
546	1.2D + 1.5Lv (Positi...		Y		1	1.2	151	1.5	175	1.2														
547	1.2D + 1.5Lv (Positi...		Y		1	1.2	152	1.5	175	1.2														
548	1.2D + 1.5Lv (Positi...		Y		1	1.2	153	1.5	175	1.2														
549	1.2D + 1.5Lv (Positi...		Y		1	1.2	154	1.5	175	1.2														
550	1.2D + 1.5Lv (Positi...		Y		1	1.2	155	1.5	175	1.2														
551	1.2D + 1.5Lv (Positi...		Y		1	1.2	156	1.5	175	1.2														
552	1.2D + 1.5Lv (Positi...		Y		1	1.2	157	1.5	175	1.2														
553	1.2D + 1.5Lv (Positi...		Y		1	1.2	158	1.5	175	1.2														
554	1.2D + 1.5Lv (Positi...		Y		1	1.2	159	1.5	175	1.2														
555	1.2D + 1.5Lv (Positi...		Y		1	1.2	160	1.5	175	1.2														
556	1.2D + 1.5Lv (Positi...		Y		1	1.2	161	1.5	175	1.2														
557	1.2D + 1.5Lv (Positi...		Y		1	1.2	162	1.5	175	1.2														
558	1.2D + 1.5Lv (Positi...		Y		1	1.2	163	1.5	175	1.2														
559	1.2D + 1.5Lv (Positi...		Y		1	1.2	164	1.5	175	1.2														
560	1.2D + 1.5Lv (Positi...		Y		1	1.2	165	1.5	175	1.2														
561	1.2D + 1.5Lv (Positi...		Y		1	1.2	166	1.5	175	1.2														
562	1.2D + 1.5Lv (Positi...		Y		1	1.2	167	1.5	175	1.2														
563	1.2D + 1.5Lv (Positi...		Y		1	1.2	168	1.5	175	1.2														
564	1.2D + 1.5Lv (Positi...		Y		1	1.2	169	1.5	175	1.2														
565	1.2D + 1.5Lv (Positi...		Y		1	1.2	170	1.5	175	1.2														
566	1.2D + 1.5Lv (Positi...		Y		1	1.2	171	1.5	175	1.2														
567	1.2D + 1.5Lv (Positi...		Y		1	1.2	172	1.5	175	1.2														
568	1.2D + 1.5Lv (Positi...		Y		1	1.2	173	1.5	175	1.2														
569	1.2D + 1.5Lv (Positi...		Y		1	1.2	174	1.5	175	1.2														

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [lb-ft]	LC	MY [lb-ft]	LC	MZ [lb-ft]	LC
1	N23	max	702.761	8	1041.711	14	2916.404	10	403.589	70	2058.405	10	-920.182	7
2		min	-705.047	2	293.029	8	-2992.331	4	-309.392	52	-2112.15	4	-2590.794	73
3	N24	max	2685.448	8	1237.672	24	1689.44	12	-163.491	6	2013.358	6	1890.873	12
4		min	-2602.012	2	-129.184	6	-1735.888	6	-2587.672	144	-1936.583	12	-778.524	6
5	N25	max	2473.481	8	1256.133	20	1543.979	10	2587.427	8	1752.475	2	1678.07	101
6		min	-2461.645	2	-99.955	2	-1545.392	4	-557.341	2	-1750.04	8	466.065	11
7	N95	max	162.592	12	1637.151	6	1336.285	6	74.779	12	31.078	9	43.811	12
8		min	-771.417	6	-295.357	12	-281.603	12	-412.614	6	-31.451	3	-239.362	6
9	N96	max	1269.07	110	1373.538	14	109.818	11	1.28	6	31.747	5	399.565	14
10		min	-176.861	8	-143.116	9	-109.376	5	-1.607	12	-32.109	11	-42.263	9
11	N97	max	4.669	6	1375.537	23	-41.781	4	346.822	23	32.057	13	-8.085	5
12		min	-629.642	24	56.913	5	-1084.85	82	13.898	5	-32.5	7	-199.584	23
13	N111	max	167.475	8	957.01	169	177.117	11	154.458	11	92.997	9	163.487	13
14		min	-167.475	2	207.01	2	-177.117	5	-496.909	161	-92.997	3	-291.355	163
15	N112	max	218.3	8	938.05	193	170.333	11	188.054	11	97.66	5	558.439	182
16		min	-218.3	2	188.05	2	-170.333	5	-188.054	5	-97.66	11	-117.325	8
17	N113	max	182.975	8	938.05	181	207.817	11	484.876	179	97.65	13	143.426	2
18		min	-182.975	2	188.05	2	-207.817	5	-122.487	5	-97.65	7	-284.308	176
19	Totals:	max	5590.887	8	8312.965	19	5527.181	11						
20		min	-5590.889	2	3895.355	13	-5527.189	5						

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

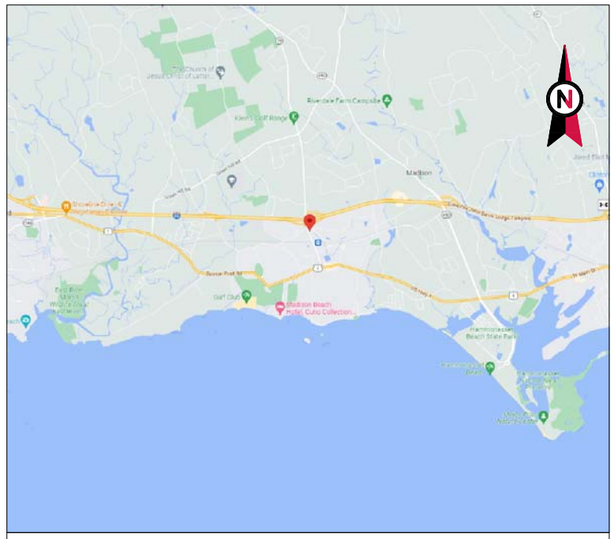
	Member	Shape	Code ...	Loc[in]	LC	Shear ...	Loc[in]	Dir	LC	phi*Pn...	phi*Pnt...	phi*Mn...	phi*Mn z...	Cb	Eqn
1	HR-240	PIPE_2.0	.696	116.6...	6	.296	116.6...		13	5533.0...	32130	1871.6...	1871.625	2.407	H3-6
2	MP10	PIPE_2.0	.649	67.667	7	.131	67.667		11	10526....	32130	1871.6...	1871.625	3.779	H1-1b
3	MP7	PIPE_2.0	.642	67.667	2	.098	67.667		3	10526....	32130	1871.6...	1871.625	4.445	H1-1b
4	FM-120	L3X3X4	.568	81.5	92	.689	0	y	12	18741....	46656	1688.1...	2621.257	1.422	H2-1
5	HR-120	PIPE_2.0	.567	116.6...	2	.265	116.6...		9	5533.0...	32130	1871.6...	1871.625	2.498	H1-1b
6	MP6	PIPE_2.0	.566	103.9...	8	.161	61.625		9	10526....	32130	1871.6...	1871.625	2.857	H1-1b
7	FM-240	L3X3X4	.566	118.8...	132	.327	0	z	9	18741....	46656	1688.1...	2619.731	1.42	H2-1
8	MP9	PIPE_2.0	.554	103.9...	13	.225	61.625		6	10526....	32130	1871.6...	1871.625	2.809	H1-1b
9	MP4	PIPE_2.0	.529	68.875	11	.097	68.875		11	10526....	32130	1871.6...	1871.625	2.667	H1-1b
10	MP1	PIPE_2.0	.511	66.458	4	.157	66.458		3	10526....	32130	1871.6...	1871.625	2.438	H1-1b
11	HR-0	PIPE_2.0	.486	141.6...	6	.275	141.6...		6	5533.0...	32130	1871.6...	1871.625	2.265	H3-6
12	FM-0	L3X3X4	.462	81.5	64	.598	0	y	8	18741....	46656	1688.1...	2686.707	1.511	H2-1
13	MP3	PIPE_2.0	.415	103.9...	10	.149	61.625		6	10526....	32130	1871.6...	1871.625	2.307	H1-1b
14	COR-2	L2.5x2.5x4	.392	0	11	.235	18.629	z	7	35640....	38556	1113.5...	2537.388	1.242	H2-1
15	K-PL-2	PL3/8x8	.385	0	6	.024	0	z	6	94508....	97200	759.375	16200	1.661	H1-1b
16	COR-1	L2.5x2.5x4	.371	18.629	5	.250	18.629	z	3	35640....	38556	1113.5...	2537.388	1.558	H2-1
17	COR-3	L2.5x2.5x4	.365	0	3	.204	18.629	z	11	35640....	38556	1113.5...	2537.388	1.237	H2-1
18	MP2	PIPE_2.0	.347	108.75	5	.217	67.667		7	10526....	32130	1871.6...	1871.625	2.598	H1-1b
19	MP5	PIPE_2.0	.321	108.75	493	.237	66.458		11	10526....	32130	1871.6...	1871.625	2.869	H1-1b
20	MP8	PIPE_2.0	.320	108.75	496	.220	66.458		2	10526....	32130	1871.6...	1871.625	3.366	H1-1b
21	K-PL-4	PL3/8x8	.317	0	111	.020	0	z	2	94508....	97200	759.375	16200	1.666	H1-1b
22	K-PL-6	PL3/8x8	.315	0	23	.019	0	z	23	94508....	97200	759.375	16200	1.663	H1-1b
23	SA-240-1	HSS4X4X4	.278	0	12	.133	0	z	6	13911...	139518	16180.5	16180.5	1.171	H1-1b
24	CORNER-H-1	LL3x3x4x0	.271	33.972	6	.079	33.972	y	8	76460....	93312	6480	4364.512	2.09	H1-1b
25	SA-120-1	HSS4X4X4	.268	0	8	.123	0	z	2	13911...	139518	16180.5	16180.5	1.169	H1-1b
26	CORNER-H-2	LL3x3x4x0	.204	45.934	79	.066	33.972	y	12	76460....	93312	6480	4364.512	1.722	H1-1b
27	SA-0-1	HSS4X4X4	.198	0	4	.101	0	z	10	13911...	139518	16180.5	16180.5	1.186	H1-1b
28	CORNER-H-3	LL3x3x4x0	.197	45.934	119	.074	33.972	y	4	76460....	93312	6480	4364.512	1.737	H1-1b
29	HORIZ-240	L3X3X4	.183	41.72	12	.012	41.72	y	487	36700....	46656	1688.1...	3351.848	1.642	H2-1
30	MP11	PIPE_2.0	.174	25.094	6	.015	25.094		6	20616....	32130	1871.6...	1871.625	2.42	H1-1b
31	MP12	PIPE_2.0	.174	25.094	10	.015	25.094		10	20616....	32130	1871.6...	1871.625	2.294	H1-1b
32	MP13	PIPE_2.0	.174	25.094	2	.015	25.094		2	20616....	32130	1871.6...	1871.625	2.294	H1-1b
33	HORIZ-0	L3X3X4	.153	41.72	12	.012	41.72	y	484	36700....	46656	1688.1...	3442.93	1.869	H2-1
34	HORIZ-120	L3X3X4	.144	41.72	8	.012	41.72	y	21	36700....	46656	1688.1...	3436.461	1.851	H2-1
35	SA-240-2	HSS4.5X...	.114	0	13	.046	0	y	134	15708...	158976	20907	20907	1.744	H1-1b
36	SA-120-2	HSS4.5X...	.113	0	9	.046	0	y	106	15708...	158976	20907	20907	1.751	H1-1b
37	SA-0-2	HSS4.5X...	.088	0	71	.048	0	y	64	15708...	158976	20907	20907	1.72	H1-1b
38	KICKER-1	LL2.5x2.5...	.079	46.424	8	.006	92.848	z	3	35253....	77112	6613.5...	3297.134	1.136	H1-1b
39	KICKER-3	LL2.5x2.5...	.078	46.424	4	.009	92.848	z	12	35253....	77112	6613.5...	3297.134	1.136	H1-1b
40	KICKER-2	LL2.5x2.5...	.076	46.424	12	.010	92.848	z	7	35253....	77112	6613.5...	3297.134	1.136	H1-1b
41	K-PL-3	PL3/8x8	.062	0	5	.037	0	y	14	91995....	97200	759.375	16200	1.668	H1-1b
42	K-PL-5	PL3/8x8	.061	0	13	.036	0	y	22	91995....	97200	759.375	16200	1.668	H1-1b
43	K-PL-1	PL3/8x8	.058	0	9	.044	0	y	6	91995....	97200	759.375	16200	1.668	H1-1b
44	RRU-SA-1	HSS4X4X4	.035	0	162	.026	0	y	165	13931...	139518	16180.5	16180.5	1.637	H1-1b
45	RRU-SA-2	HSS4X4X4	.035	0	177	.025	0	y	181	13931...	139518	16180.5	16180.5	1.646	H1-1b
46	RRU-SA-3	HSS4X4X4	.035	0	193	.025	0	y	191	13931...	139518	16180.5	16180.5	1.646	H1-1b

TIA-222-H 4-Bolt Connection Check

Connection Details	
Standoff Member Type=	HSS
Member Height =	4.000 in
Member Width =	4.000 in
Member Thickness =	0.250 in
Use TIA-222-H Section 15.5?	No
Weld Size =	1/4 in

ENGINEERED
TOWER SOLUTIONS

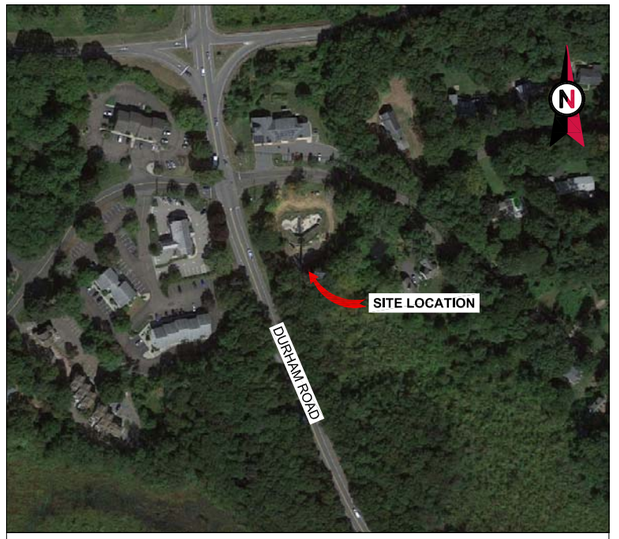
Connection Check (Welds)			
Ø =	0.75		Strength Reduction Factor
F_{EXX} =	70 ksi		Filler Metal Strength (70 ksi assumed)
Fu_{bm} =	58 ksi		Base Metal Strength
$ØR_n$ =	5.6 k/in		Nominal Weld Capacity
R_u =	2.5 k/in		Weld Shear Demand
CSR =	45.7%	OK	



VICINITY MAP

AMERICAN TOWER®

ATC SITE NAME: MADISON CT 6
ATC SITE NUMBER: 302540
AT&T PACE NUMBERS: MRCTB055969
AT&T SITE ID: CT2178
AT&T FA CODE: CT2178
AT&T SITE NAME: MRCTB055969
SITE ADDRESS: 8 OLD 79
MADISON, CT 06443-2685



LOCATION MAP

AT&T
AMENDMENT PLAN

COMPLIANCE CODE

ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNMENT AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

1. INTERNATIONAL BUILDING CODE (IBC)
2. NATIONAL ELECTRIC CODE (NEC)
3. LOCAL BUILDING CODE
4. CITY/COUNTY ORDINANCES

UTILITY COMPANIES

POWER COMPANY: UNKNOWN
PHONE: (XXX) XXX-XXXX

TELEPHONE COMPANY: UNKNOWN
PHONE: (XXX) XXX-XXXX

811 Know what's below. Call before you dig.

PROJECT SUMMARY

SITE ADDRESS:

8 OLD 79
MADISON, CT 06443-2685
COUNTY: NEW HAVEN

GEOGRAPHIC COORDINATES:

LATITUDE: 41.28553898
LONGITUDE: -72.60133003
GROUND ELEVATION: 30' AMSL

PROJECT TEAM

TOWER OWNER:

AMERICAN TOWER
10 PRESIDENTIAL WAY
WOBURN, MA 01801

APPLICANT:

AT&T MOBILITY

ENGINEER:

NB+C ENGINEERING SERVICES, LLC.
8601 SIX FORKS ROAD, SUITE 540
RALEIGH, NC 27615

PROPERTY OWNER:

MADISON CT
8 OLD 79
MADISON, CT 06443-2685

PROJECT DESCRIPTION

THE PROPOSED PROJECT INCLUDES MODIFYING GROUND BASED AND TOWER MOUNTED EQUIPMENT AS INDICATED PER BELOW:

TOWER WORK:

REMOVE (6) ANTENNA(S), (3) RRH(S), (3) TMA(S), (4) DIPLEXERS, (6) COAX CABLE(S), (2) FIBER TRUNKS, (4) CONTROL CABLES

INSTALL (9) ANTENNA(S), (6) RRH(S), (1) SQUID(S), (6) DC TRUNK(S) AND (3) FIBER TRUNK(S)

EXISTING (3) ANTENNA(S), (6) RRH(S), (2) SQUID(S), AND (6) COAX CABLE(S) TO REMAIN

GROUND WORK:

REMOVE (2) 3206 INDOOR, (1) 6601 INDOOR MU

INSTALL (1) 6601 RADIONODE 5216, AND (1) BASEBAND 6648

EXISTING (1) 6630 BASEBAND TO REMAIN

PROJECT NOTES

1. THE FACILITY IS UNMANNED.
2. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE.
3. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE.
4. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED.
5. HANDICAP ACCESS IS NOT REQUIRED.
6. THE PROJECT DEPICTED IN THESE PLANS QUALIFIES AS AN ELIGIBLE FACILITIES REQUEST ENTITLED TO EXPEDITED REVIEW UNDER 47 U.S.C. § 1455(A) AS A MODIFICATION OF AN EXISTING WIRELESS TOWER THAT INVOLVES THE COLLOCATION, REMOVAL, AND/OR REPLACEMENT OF TRANSMISSION EQUIPMENT THAT IS NOT A SUBSTANTIAL CHANGE UNDER CFR § 1.61000 (B)(7).

PROJECT LOCATION DIRECTIONS

FROM NEW LONDON - TAKE I95 SOUTH TO EXIT 61 . TAKE LEFT AT OFF RAMP AND LEFT AT FIRST SET OF LIGHTS.

SHEET INDEX

SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:
G-001	TITLE SHEET	A	03/30/22	CCC
G-002	GENERAL NOTES	A	03/30/22	CCC
C-101	DETAILED SITE PLAN	A	03/30/22	CCC
C-201	TOWER ELEVATION	A	03/30/22	CCC
C-401	ANTENNA INSTALLATION	A	03/30/22	CCC
C-402	RF SCHEDULE	A	03/30/22	CCC
C-501	CONSTRUCTION DETAILS	A	03/30/22	CCC
E-501	GROUNDING DETAILS	A	03/30/22	CCC
R-601	SUPPLEMENTAL			
R-602	SUPPLEMENTAL			
R-603	SUPPLEMENTAL			
R-604	SUPPLEMENTAL			
R-605	SUPPLEMENTAL			

AMERICAN TOWER®
A.T. ENGINEERING SERVICE, PLLC
3500 REGENCY PARKWAY
SUITE 100
CARY, NC 27518
PHONE: (919) 468-0112
COA: 0012746

NB+C™ TOTALLY COMMITTED.
NB+C ENGINEERING SERVICES, LLC.
8601 SIX FORKS ROAD, SUITE 540
RALEIGH, NC 27615
(919) 657-9131

REV.	DESCRIPTION	BY	DATE
A	PRELIM	CCC	03/30/22

ATC SITE NUMBER:
302540

ATC SITE NAME:
MADISON CT 6

AT&T SITE NAME:
MRCTB055969

SITE ADDRESS:
8 OLD 79
MADISON, CT 06443-2685

SEAL:

PRELIMINARY: NOT FOR CONSTRUCTION

AT&T

DATE DRAWN:	03/30/22
ATC JOB NO:	13757740
CUSTOMER ID:	CT2178
CUSTOMER #:	CT2178

TITLE SHEET

SHEET NUMBER:	REVISION:
G-001	A

GENERAL CONSTRUCTION NOTES:

1. OWNER FURNISHED MATERIALS, AT&T "THE COMPANY" WILL PROVIDE AND THE CONTRACTOR WILL INSTALL
   - A. BTS EQUIPMENT FRAME (PLATFORM) AND ICEBRIDGE SHELTER (GROUND BUILD/CO-LOCATE ONLY)
   - B. AC/TELCO INTERFACE BOX (PPC)
   - C. ICE BRIDGE (CABLE TRAY WITH COVER) (GROUND BUILD/CO-LOCATE ONLY, GC TO FURNISH AND INSTALL FOR ROOFTOP INSTALLATION)
   - D. TOWERS, MONOPOLES
   - E. TOWER LIGHTING
   - F. GENERATORS & LIQUID PROPANE TANK
   - G. ANTENNA STANDARD BRACKETS, FRAMES AND PIPES FOR MOUNTING
   - H. ANTENNAS (INSTALLED BY OTHERS)
   - I. TRANSMISSION LINE
   - J. TRANSMISSION LINE JUMPERS
   - K. TRANSMISSION LINE CONNECTORS WITH WEATHERPROOFING KITS
   - L. TRANSMISSION LINE GROUND KITS
   - M. HANGERS
   - N. HOISTING GRIPS
   - O. BTS EQUIPMENT
2. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL OTHER MATERIALS FOR THE COMPLETE INSTALLATION OF THE SITE INCLUDING, BUT NOT LIMITED TO, SUCH MATERIALS AS FENCING, STRUCTURAL STEEL SUPPORTING SUB-FRAME FOR PLATFORM, ROOFING LABOR AND MATERIALS, GROUNDING RINGS, GROUNDING WIRES, COPPER-CLAD OR XIT CHEMICAL GROUND ROD(S), BUSS BARS, TRANSFORMERS AND DISCONNECT SWITCHES WHERE APPLICABLE, TEMPORARY ELECTRICAL POWER, CONDUIT, LANDSCAPING COMPOUND STONE, CRANES, CORE DRILLING, SLEEPERS AND RUBBER MATTING, REBAR, CONCRETE CAISSONS, PADS AND/OR AUGER MOUNTS, MISCELLANEOUS FASTENERS, CABLE TRAYS, NON-STANDARD ANTENNA FRAMES AND ALL OTHER MATERIAL AND LABOR REQUIRED TO COMPLETE THE JOB ACCORDING TO THE DRAWINGS AND SPECIFICATIONS. IT IS THE POSITION OF AT&T TO APPLY FOR PERMITTING AND CONTRACTOR RESPONSIBLE FOR PICKUP AND PAYMENT OF REQUIRED PERMITS.
3. ALL WORK SHALL CONFORM TO ALL CURRENT APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING ANSI/EIA/TIA-222, AND COMPLY WITH ATC CONSTRUCTION SPECIFICATIONS.
4. CONTRACTOR SHALL CONTACT LOCAL 811 FOR IDENTIFICATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED INSPECTIONS.
6. ALL DIMENSIONS TO, OF, AND ON EXISTING BUILDINGS, DRAINAGE STRUCTURES, AND SITE IMPROVEMENTS SHALL BE VERIFIED IN FIELD BY CONTRACTOR WITH ALL DISCREPANCIES REPORTED TO THE ENGINEER.
7. DO NOT CHANGE SIZE OR SPACING OF STRUCTURAL ELEMENTS.
8. DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
9. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
10. CONTRACTOR SHALL BRACE STRUCTURES UNTIL ALL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: LATERAL BRACING, ANCHOR BOLTS, ETC.
11. CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES, GROUNDS DRAINS, DRAIN PIPES, VENTS, ETC. BEFORE COMMENCING WORK.
12. INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE AT&T REP PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH REMEDIAL ACTION SHALL REQUIRE WRITTEN APPROVAL BY THE AT&T REP PRIOR TO PROCEEDING.
13. EACH CONTRACTOR SHALL COOPERATE WITH THE AT&T REP, AND COORDINATE HIS WORK WITH THE WORK OF OTHERS.
14. CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OF THIS PROJECT TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE AT&T CONSTRUCTION MANAGER.
15. ALL CABLE/CONDUIT ENTRY/EXIT PORTS SHALL BE WEATHERPROOFED DURING INSTALLATION USING A SILICONE SEALANT.
16. WHERE EXISTING CONDITIONS DO NOT MATCH THOSE SHOWN IN THIS PLAN SET, CONTRACTOR SHALL NOTIFY THE AT&T REP AND ENGINEER OF RECORD IMMEDIATELY.
17. CONTRACTOR SHALL ENSURE ALL SUBCONTRACTORS ARE PROVIDED WITH A COMPLETE AND CURRENT SET OF DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
18. CONTRACTOR SHALL REMOVE ALL RUBBISH AND DEBRIS FROM THE SITE AT THE END OF EACH DAY.
19. CONTRACTOR SHALL COORDINATE WORK SCHEDULE WITH AMERICAN TOWER CORPORATION (ATC) AND TAKE PRECAUTIONS TO MINIMIZE IMPACT AND DISRUPTION OF OTHER OCCUPANTS OF THE FACILITY.
20. CONTRACTOR SHALL FURNISH AT&T AND AMERICAN TOWER CORPORATION (ATC) WITH A PDF MARKED UP AS-BUILT SET OF DRAWINGS UPON COMPLETION OF WORK.
21. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH AT&T REP TO DETERMINE WHAT, IF ANY, ITEMS WILL BE PROVIDED. ALL ITEMS NOT PROVIDED SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. CONTRACTOR WILL INSTALL ALL ITEMS PROVIDED.
22. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH AT&T REP TO DETERMINE IF ANY PERMITS WILL BE OBTAINED BY CONTRACTOR. ALL REQUIRED PERMITS NOT OBTAINED BY AT&T MUST BE OBTAINED, AND PAID FOR, BY THE CONTRACTOR.
23. CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH AT&T SPECIFICATIONS AND REQUIREMENTS.
24. CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO AT&T FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
25. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND LOCATED ACCORDING TO AT&T SPECIFICATIONS, AND AS SHOWN IN THESE PLANS.
26. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
27. CONTRACTOR SHALL NOTIFY AT&T REP A MINIMUM OF 48 HOURS IN ADVANCE OF POURING CONCRETE OR BACKFILLING ANY UNDERGROUND UTILITIES, FOUNDATIONS OR SEALING ANY WALL, FLOOR OR ROOF PENETRATIONS FOR ENGINEERING REVIEW AND APPROVAL.
28. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY INCLUDING COMPLIANCE WITH ALL APPLICABLE OSHA STANDARDS AND RECOMMENDATIONS AND SHALL PROVIDE ALL NECESSARY SAFETY DEVICES INCLUDING PPE AND PPM AND CONSTRUCTION DEVICES SUCH AS WELDING AND FIRE PREVENTION, TEMPORARY SHORING, SCAFFOLDING, TRENCH BOXES/SLOPING, BARRIERS, ETC.
29. THE CONTRACTOR SHALL PROTECT AT HIS OWN EXPENSE, ALL EXISTING FACILITIES AND SUCH OF HIS NEW WORK LIABLE TO INJURY DURING THE CONSTRUCTION PERIOD. ANY DAMAGE CAUSED BY NEGLECT ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, OR BY THE ELEMENTS DUE TO NEGLECT ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, EITHER TO THE EXISTING WORK, OR TO HIS WORK OR THE WORK OF ANY OTHER CONTRACTOR, SHALL BE REPAIRED AT HIS EXPENSE TO THE OWNER'S SATISFACTION.
30. ALL WORK SHALL BE INSTALLED IN A FIRST CLASS, NEAT AND WORKMANLIKE MANNER BY MECHANICS SKILLED IN THE TRADE INVOLVED. THE QUALITY OF WORKMANSHIP SHALL BE SUBJECT TO THE APPROVAL OF THE AT&T REP. ANY WORK FOUND BY THE AT&T REP TO BE OF INFERIOR QUALITY AND/OR WORKMANSHIP SHALL BE REPLACED AND/OR REWORKED AT CONTRACTOR EXPENSE UNTIL APPROVAL IS OBTAINED.
31. IN ORDER TO ESTABLISH STANDARDS OF QUALITY AND PERFORMANCE, ALL TYPES OF MATERIALS LISTED HEREINAFTER BY MANUFACTURER'S NAMES AND/OR MANUFACTURER'S CATALOG NUMBER SHALL BE PROVIDED BY THESE MANUFACTURERS AS SPECIFIED.
32. AT&T FURNISHED EQUIPMENT SHALL BE PICKED-UP AT THE AT&T WAREHOUSE, NO LATER THAN 48HR AFTER BEING NOTIFIED INSURED, STORED, UNCRATE, PROTECTED AND INSTALLED BY THE CONTRACTOR WITH ALL APPURTENANCES REQUIRED TO PLACE THE EQUIPMENT IN OPERATION, READY FOR USE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EQUIPMENT AFTER PICKING IT UP.
33. AT&T OR HIS ARCHITECT/ENGINEER RESERVES THE RIGHT TO REJECT ANY EQUIPMENT OR MATERIALS WHICH, IN HIS OWN OPINION ARE NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS, EITHER BEFORE OR AFTER INSTALLATION AND THE EQUIPMENT SHALL BE REPLACED WITH EQUIPMENT CONFORMING TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE CONTRACTOR AT NO COST TO AT&T OR THEIR ARCHITECT/ENGINEER.

STRUCTURAL STEEL NOTES:

1. STRUCTURAL STEEL SHALL CONFORM TO THE LATEST EDITION OF THE AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS."
2. STRUCTURAL STEEL ROLLED SHAPES, PLATES AND BARS SHALL CONFORM TO THE FOLLOWING ASTM DESIGNATIONS:
   - A. ASTM A-572, GRADE 50 - ALL W SHAPES, UNLESS NOTED OR A992 OTHERWISE
   - B. ASTM A-36 - ALL OTHER ROLLED SHAPES, PLATES AND BARS UNLESS NOTED OTHERWISE.
   - C. ASTM A-500, GRADE B - HSS SECTION (SQUARE, RECTANGULAR, AND ROUND)
   - D. ASTM A-325, TYPE SC OR N - ALL BOLTS FOR CONNECTING STRUCTURAL MEMBERS
   - E. ASTM F-1554 07 - ALL ANCHOR BOLTS, UNLESS NOTED OTHERWISE
3. ALL EXPOSED STRUCTURAL STEEL MEMBERS SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION PER ASTM A123. EXPOSED STEEL HARDWARE AND ANCHOR BOLTS SHALL BE GALVANIZED PER ASTM A153 OR B695.
4. ALL FIELD CUT SURFACES, FIELD DRILLED HOLES AND GROUND SURFACES WHERE EXISTING PAINT OR GALVANIZATION REMOVAL WAS REQUIRED SHALL BE REPAIRED WITH (2) BRUSHED COATS OF ZRC GALVILITE COLD GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.
5. DO NOT DRILL HOLES THROUGH STRUCTURAL STEEL MEMBERS EXCEPT AS SHOWN AND DETAILED ON STRUCTURAL DRAWINGS.
6. CONNECTIONS:
   - A. ALL WELDING TO BE PERFORMED BY AWS CERTIFIED WELDERS AND CONDUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AWS WELDING CODE D1.1.
   - B. ALL WELDS SHALL BE INSPECTED VISUALLY. 25% OF WELDS SHALL BE INSPECTED WITH DYE PENETRANT OR MAGNETIC PARTICLE TO MEET THE ACCEPTANCE CRITERIA OF AWS D1.1. REPAIR ALL WELDS AS NECESSARY.
   - C. INSPECTION SHALL BE PERFORMED BY AN AWS CERTIFIED WELD INSPECTOR.
   - D. IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE BURNING/WELDING PERMITS AS REQUIRED BY LOCAL GOVERNING AUTHORITY AND IF REQUIRED SHALL HAVE FIRE DEPARTMENT DETAIL FOR ANY WELDING ACTIVITY.
   - E. ALL ELECTRODES TO BE LOW HYDROGEN, MATCHING FILLER METAL, PER AWS D1.1, UNLESS NOTED OTHERWISE.
   - F. MINIMUM WELD SIZE TO BE 0.1875 INCH FILLET WELDS, UNLESS NOTED OTHERWISE.
   - G. PRIOR TO FIELD WELDING GALVANIZING MATERIAL, CONTRACTOR SHALL GRIND OFF GALVANIZING ½" BEYOND ALL FIELD WELD SURFACES. AFTER WELD AND WELD INSPECTION IS COMPLETE, REPAIR ALL GROUND AND WELDED SURFACES WITH ZRC GALVILITE COLD GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURERS RECOMMENDATIONS.
   - H. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE REQUIRED DURING CONSTRUCTION UNTIL ALL CONNECTIONS ARE COMPLETE.
   - I. ANY FIELD CHANGES OR SUBSTITUTIONS SHALL HAVE PRIOR APPROVAL FROM THE ENGINEER, AND T- MOBILE PROJECT MANAGER IN WRITING

SPECIAL CONSTRUCTION ANTENNA INSTALLATION NOTES:

1. WORK INCLUDED:
   - A. ANTENNA AND COAXIAL CABLES ARE FURNISHED BY AT&T UNDER A SEPARATE CONTRACT. THE CONTRACTOR SHALL ASSIST ANTENNA INSTALLATION CONTRACTOR IN TERMS OF COORDINATION AND SITE ACCESS. ERECTION SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF PERSONNEL.
   - B. INSTALL ANTENNAS AS INDICATED ON DRAWINGS AND AT&T SPECIFICATIONS.
   - C. INSTALL GALVANIZED STEEL ANTENNA MOUNTS AS INDICATED ON DRAWINGS.
   - D. INSTALL FURNISHED GALVANIZED STEEL OR ALUMINUM WAVEGUIDE AND PROVIDE PRINTOUT OF THAT TEST.
   - E. CONTRACTOR SHALL PROVIDE FOUR (4) SETS OF SWEEP TESTS USING ANRITZU-PACKARD 8713B RF SCALAR NETWORK ANALYZER, SUBMIT FREQUENCY DOMAIN REFLECTOMETER(FDR) TESTS RESULTS TO THE PROJECT MANAGER. SWEEP TESTS SHALL BE AS PER ATTACHED RFS "MINIMUM FIELD TESTING RECOMMENDED FOR ANTENNA AND HELIAX COAXIAL CABLE SYSTEMS" DATED 10/5/93. TESTING SHALL BE PERFORMED BY AN INDEPENDENT TESTING SERVICE AND BE BOUND AND SUBMITTED WITHIN ONE WEEK OF WORK COMPLETION.
   - F. INSTALL COAXIAL CABLES AND TERMINATING BETWEEN ANTENNAS AND EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. WEATHERPROOF ALL CONNECTIONS BETWEEN THE ANTENNA AND EQUIPMENT PER MANUFACTURER'S REQUIREMENTS. TERMINATE ALL COAXIAL CABLE THREE (3) FEET IN EXCESS OF ENTRY PORT LOCATION UNLESS OTHERWISE STATED.
   - G. ANTENNA AND COAXIAL CABLE GROUNDING:
2. ALL EXTERIOR #6 GREEN GROUND WIRE "DAISY CHAIN" CONNECTIONS ARE TO BE WEATHER SEALED WITH RFS CONNECTORS/SPLICE WEATHERPROOFING KIT #221213 OR EQUAL.
3. ALL COAXIAL CABLE GROUNDING KITS ARE TO BE INSTALLED ON STRAIGHT RUNS OF COAXIAL CABLE (NOT WITHIN BENDS).

ALL DISCREPANCIES FROM WHAT IS SHOWN ON THESE CONSTRUCTION DRAWINGS SHALL BE COMMUNICATED TO ATC ENGINEERING IMMEDIATELY FOR CORRECTION OR RE-DESIGN. FAILURE TO COMMUNICATE DIRECTLY WITH ATC ENGINEERING OR ANY CHANGES FROM THE DESIGN CONDUCTED WITHOUT PRIOR APPROVAL FROM ATC ENGINEERING SHALL BE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

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RALEIGH, NC 27615
(919) 657-9131

REV.	DESCRIPTION	BY	DATE
A	PRELIM	CCC	03/30/22

ATC SITE NUMBER:
302540

ATC SITE NAME:
MADISON CT 6

AT&T SITE NAME:
MRCTB055969

SITE ADDRESS:
8 OLD 79
MADISON, CT 06443-2685

SEAL:

PRELIMINARY: NOT FOR CONSTRUCTION

AT&T

DATE DRAWN:	03/30/22
ATC JOB NO:	13757740
CUSTOMER ID:	CT2178
CUSTOMER #:	CT2178

GENERAL NOTES

SHEET NUMBER:	REVISION:
G-002	A

SITE PLAN NOTES:

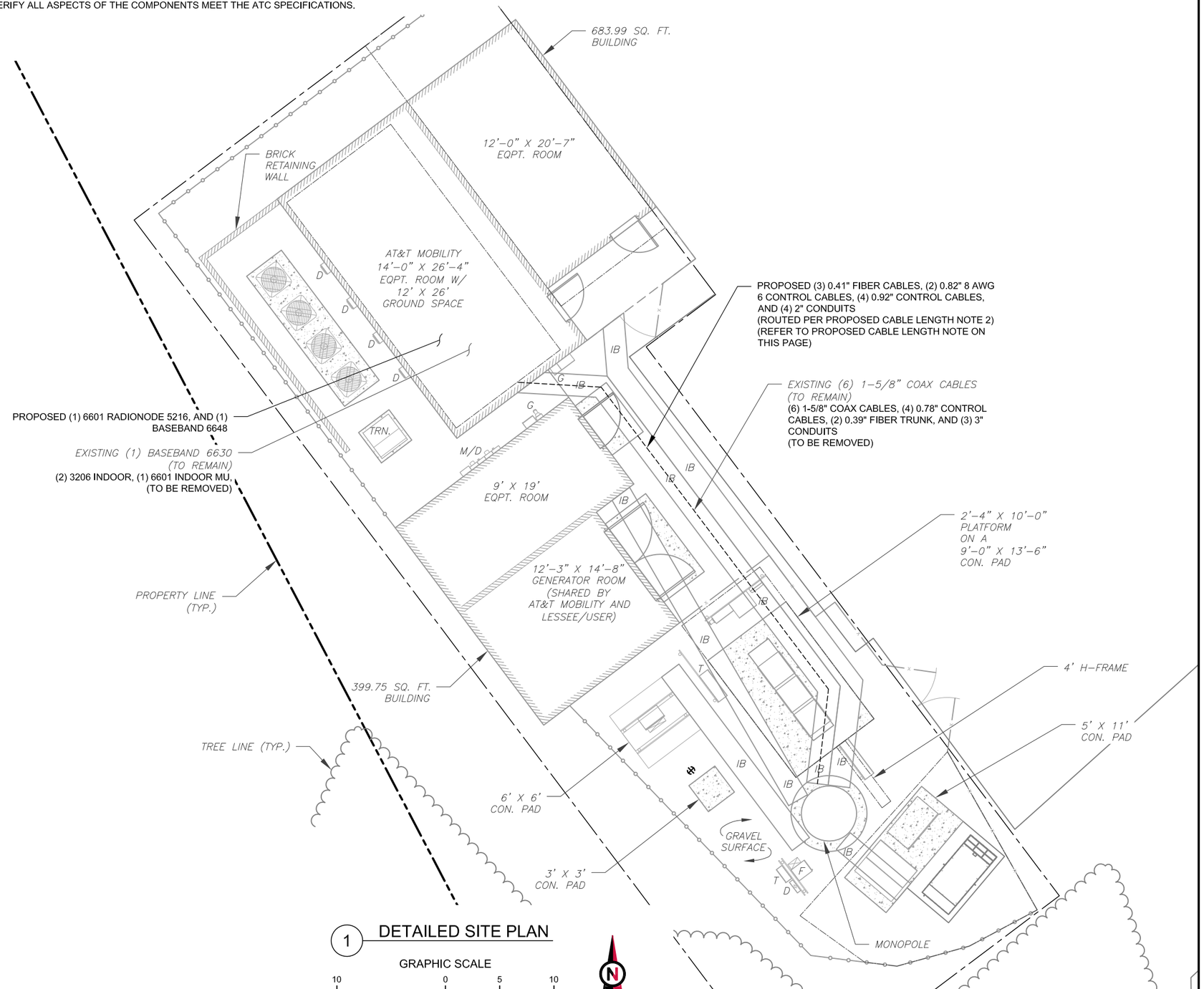
1. THIS SITE PLAN REPRESENTS THE BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF THIS DESIGN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION AND VERIFY ALL EXISTING CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT.

2. ICE BRIDGE, CABLE LADDER, COAX PORT, AND COAX CABLE ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL CONFIRM THE EXACT LOCATION OF ALL PROPOSED AND EXISTING EQUIPMENT AND STRUCTURES DEPICTED ON THIS PLAN. BEFORE UTILIZING EXISTING CABLE SUPPORTS, COAX PORTS, INSTALLING NEW PORTS OR ANY OTHER EQUIPMENT, CONTRACTOR SHALL VERIFY ALL ASPECTS OF THE COMPONENTS MEET THE ATC SPECIFICATIONS.

3. NO ELECTRICAL SCOPE IS INCLUDED IN THIS PROJECT.

LEGEND

⊗	GROUNDING TEST WELL
ATS	AUTOMATIC TRANSFER SWITCH
B	BOLLARD
CSC	CELL SITE CABINET
D	DISCONNECT
E	ELECTRICAL
F	FIBER
GEN	GENERATOR
G	GENERATOR RECEPTACAL
HH, V	HAND HOLE, VAULT
IB	ICE BRIDGE
K	KENTROX BOX
LC	LIGHTING CONTROL
M	METER
PB	PULL BOX
PP	POWER POLE
T	TELCO
TRN	TRANSFORMER
——x——	CHAINLINK FENCE



1 DETAILED SITE PLAN

GRAPHIC SCALE

10 0 5 10

(IN FEET)
1 UNIT = 10 FEET

PROPOSED CABLE LENGTH:

1. ESTIMATED LENGTH OF PROPOSED CABLE IS **212'**. ESTIMATED LENGTH OF CABLE WAS PROVIDED BY CUSTOMER OR CALCULATED BY ADDING THE RAD CENTER AND THE DISTANCE FROM THE SHELTER ENTRY PLATE TO THE TOWER (ALONG THE ICE BRIDGE) AND A SAFETY FACTOR MEASUREMENT OF 15% (OF THE TWO PREVIOUS VALUES), CDS DEFER TO GREATEST CABLE LENGTH.
2. ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. IF ADEQUATE SPACE EXISTS, ROUTE CABLES THROUGH ENTRY PORT HOLE, UP INSIDE OF MONOPOLE, AND THROUGH EXIT PORT HOLE. IF ROUTING OUTSIDE THE MONOPOLE, ATTACH CABLES USING STAND-OFF ADAPTERS MOUNTED TO TOWER USING STAINLESS STEEL BANDING. ADEQUATELY SECURE CABLES USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER.

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REV.	DESCRIPTION	BY	DATE
A	PRELIM	CCC	03/30/22

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302540

ATC SITE NAME:
MADISON CT 6

AT&T SITE NAME:
MRCTB055969

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MADISON, CT 06443-2685

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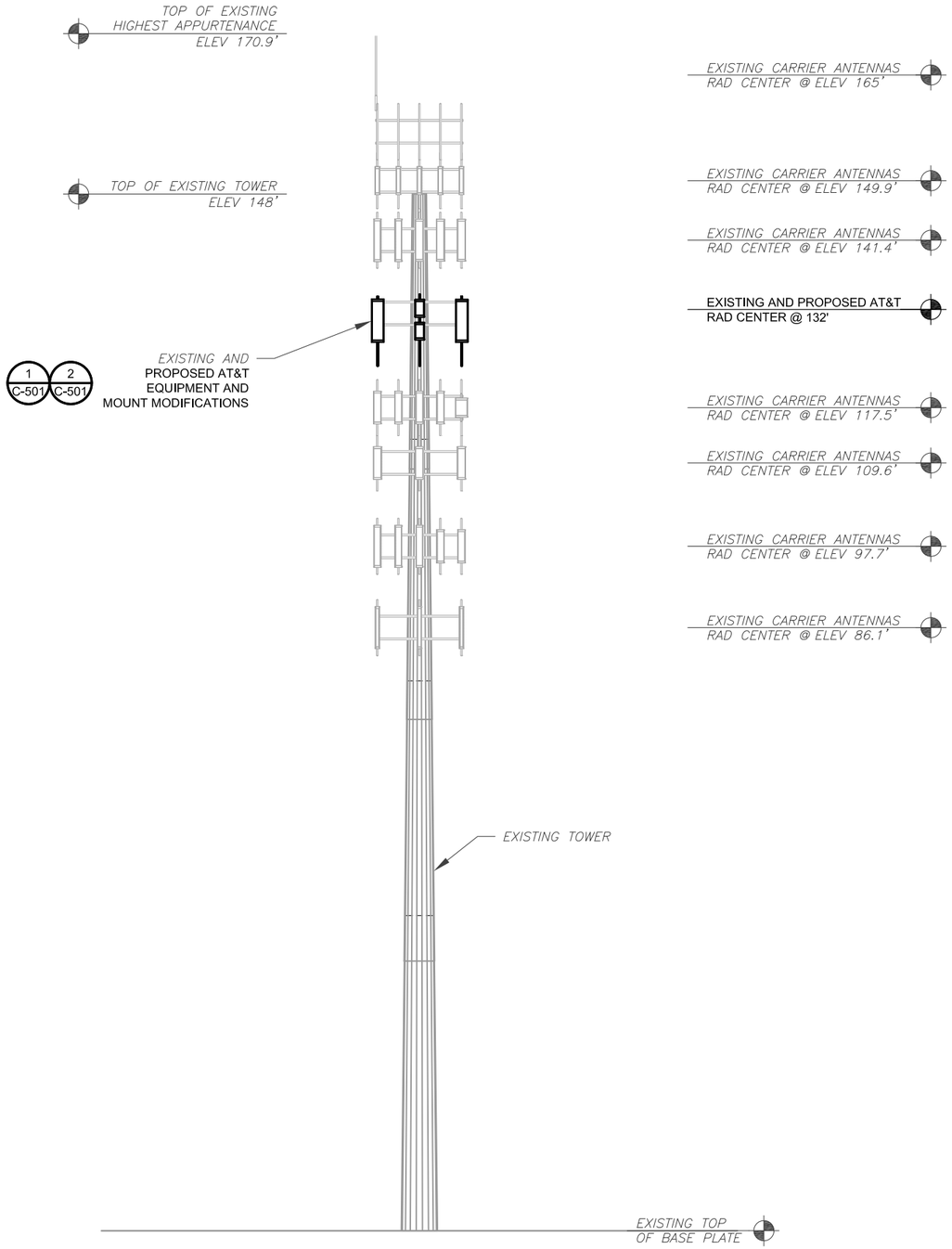
CUSTOMER ID:	CT2178
CUSTOMER #:	CT2178

DETAILED SITE PLAN

SHEET NUMBER:	REVISION:
C-101	A

PER MOUNT ANALYSIS COMPLETED BY ENGINEERED TOWER SOLUTIONS, DATED 03/21/22, THE EXISTING MOUNT MUST BE MODIFIED TO ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION PROPOSED IN THE MOUNT ANALYSIS, INCLUDED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT.



1 TOWER ELEVATION
SCALE: N.T.S.

TOWER NOTE:
1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM WITH THE PROJECT MANAGER THAT THEY HAVE THE MOST RECENT VERSION OF THE STRUCTURAL ANALYSIS BEFORE COMMENCING WORK. EXISTING AND PROPOSED TOWER APPURTENANCES, MOUNTS, AND ANTENNAS ARE SHOWN BASED ON THE STRUCTURAL ANALYSIS.
2. WHERE APPLICABLE, ALL NEW ANTENNAS, EQUIPMENT, MOUNTS, CABLING, ETC. SHALL BE PAINTED/SOCKED TO MATCH EXISTING EQUIPMENT IN ACCORDANCE WITH FAA, JURISDICTION, AND/OR OTHER LOCAL REQUIREMENTS.
3. ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. IF ADEQUATE SPACE EXISTS, ROUTE CABLES THROUGH ENTRY PORT HOLE, UP INSIDE OF MONOPOLE, AND THROUGH EXIT PORT HOLE. IF ROUTING OUTSIDE THE MONOPOLE, ATTACH CABLES USING STAND-OFF ADAPTERS MOUNTED TO TOWER USING STAINLESS STEEL BANDING. ADEQUATELY SECURE CABLES USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER.
4. TOWER ELEVATIONS ARE MEASURED FROM TOP OF BASE PLATE TO MATCH STRUCTURAL ANALYSIS. ELEVATIONS DO NOT REFLECT TRUE ABOVE GROUND LEVEL (A.G.L.)
5. TOWER ELEVATION DEPICTION MAY NOT REFLECT ALL EQUIPMENT INCLUDED IN STRUCTURAL ANALYSIS. REFER TO STRUCTURAL ANALYSIS FOR FULL TOWER LOADING.

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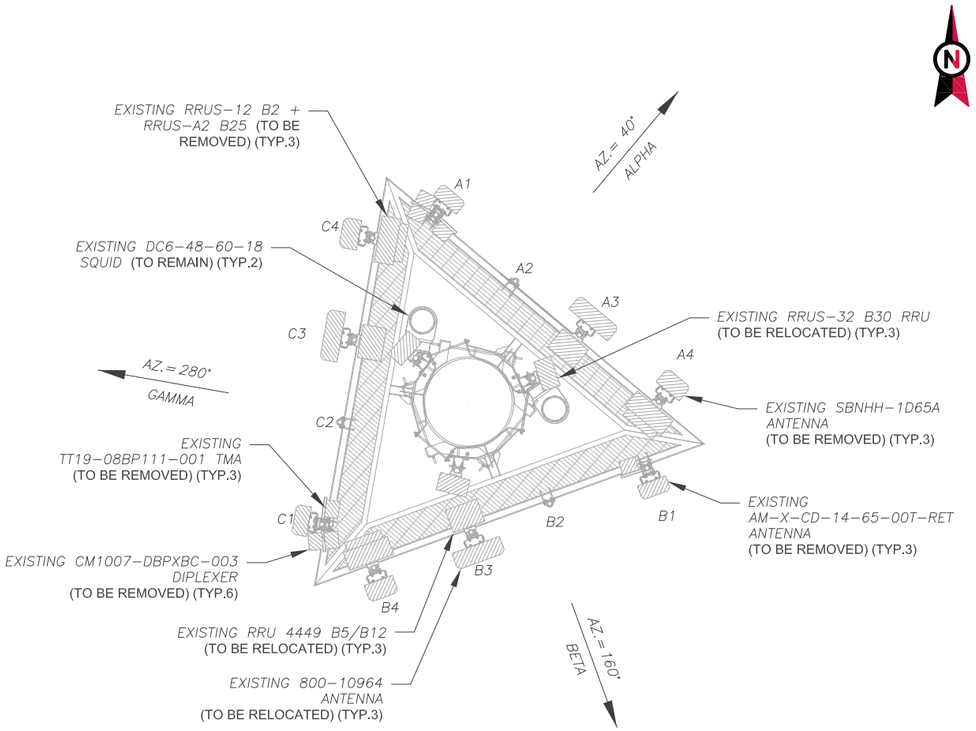
TOWER ELEVATION

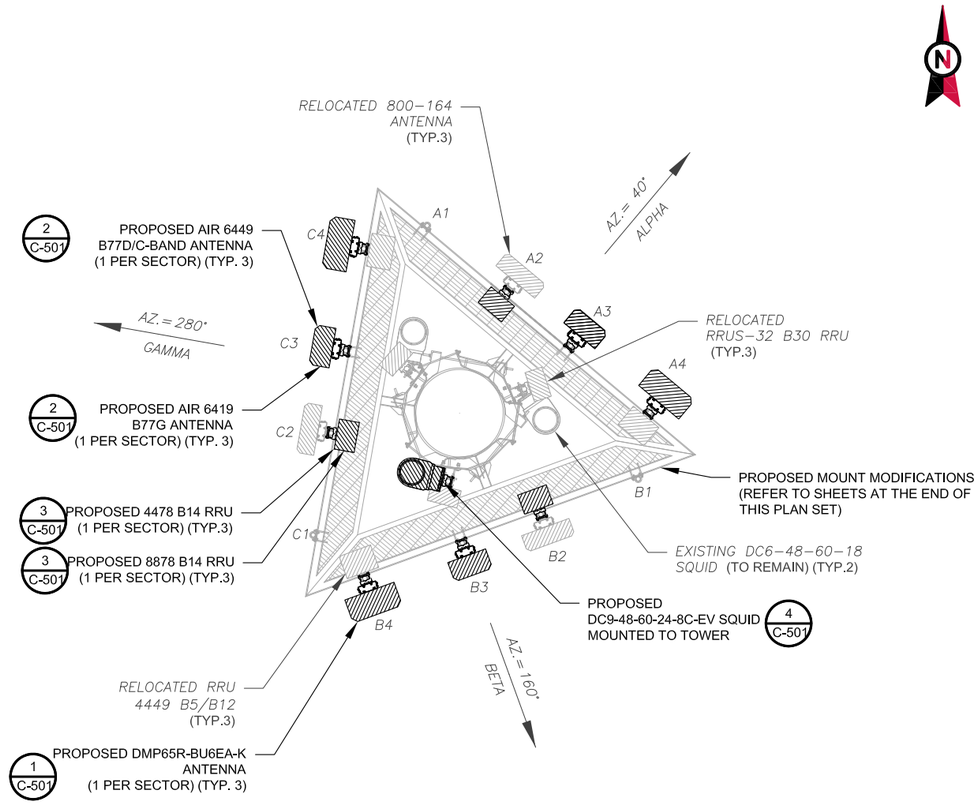
SHEET NUMBER:	REVISION:
C-201	A

EXISTING CONFIGURATIONS ARE BASED ON RFDS.
CONTRACTOR TO VERIFY EXISTING CONDITIONS.



1 CURRENT ANTENNA PLAN
SCALE: N.T.S.

PER MOUNT ANALYSIS COMPLETED BY ENGINEERED TOWER SOLUTIONS, DATED 03/21/22, THE EXISTING MOUNT MUST BE MODIFIED TO ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION PROPOSED IN THE MOUNT ANALYSIS, INCLUDED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT.



2 FINAL ANTENNA PLAN
SCALE: N.T.S.

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AT&T SITE NAME:
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CUSTOMER ID:	CT2178
CUSTOMER #:	CT2178

ANTENNA INSTALLATION

SHEET NUMBER:	REVISION:
C-401	A

EXISTING CONFIGURATIONS ARE BASED ON RFDS.
CONTRACTOR TO VERIFY EXISTING CONDITIONS.

EXISTING ANTENNA SCHEDULE

LOCATION			ANTENNA SUMMARY				NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	132'	40°	A1	AM-X-CD-14-65-00T-RET	UMTS 850	RMV	(2) POWERWAVE 7020 RET (2) CM1007-DBPXBC-003 (1) TT19-08BP111-001 TMA	RMV RMV RMV
			A2	EMPTY	–	–	–	–
			A3	800-10964	5G 850 LTE 700 LTE WCS LTE 850	REL	(1) 4449 B5/B12 RRU (1) RRUS-32 B30	REL RMN
			A4	SBNHH-1D65A	LTE 1900	RMV	(1) RRUS-12 B2+RRUS-A2 B25	RMV
BETA	132'	160°	B1	AM-X-CD-14-65-00T-RET	UMTS 850	RMV	(2) POWERWAVE 7020 RET (1) TT19-08BP111-001 TMA	RMV RMV
			B2	EMPTY	–	–	–	–
			B3	800-10964	5G 850 LTE 700 LTE WCS LTE 850	REL	(1) 4449 B5/B12 RRU (1) RRUS-32 B30	REL RMN
			B4	SBNHH-1D65A	LTE 1900	RMV	(1) RRUS-12 B2+RRUS-A2 B25	RMV
GAMMA	132'	280°	C1	AM-X-CD-14-65-00T-RET	UMTS 850	RMV	(2) POWERWAVE 7020 RET (2) CM1007-DBPXBC-003 (1) TT19-08BP111-001 TMA	RMV RMV RMV
			C2	EMPTY	–	–	–	–
			C3	800-10964	5G 850 LTE 700 LTE WCS LTE 850	REL	(1) 4449 B5/B12 RRU (1) RRUS-32 B30	REL RMN
			C4	SBNHH-1D65A	LTE 1900	RMV	(1) RRUS-12 B2+RRUS-A2 B25	RMV

NOTES

1. CONFIRM WITH AT&T REP FOR APPLICABLE UPDATES/REVISIONS AND MOST RECENT RFDS FOR NSN CONFIGURATION (CONFIG). GC TO CAP ALL UNUSED PORTS.
2. CONFIRM SPACING OF PROPOSED EQUIP DOES NOT CAUSE TOWER CONFLICTS NOR IMPEDE TOWER CLIMBING PEGS.
3. THE ANTENNA ORIENTATION PLAN IS A SCHEMATIC. ATC DID NOT CONFIRM EXISTING SITE CONDITIONS INCLUDING, BUT NOT LIMITED TO, ANTENNA AZIMUTHS, MOUNT CONFIGURATIONS AND TOWER ORIENTATION. SCALES SHOWN ARE FOR REFERENCE ONLY AND EXISTING DIMENSIONS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO INSTALLATION AND NOTIFY ATC OF ANY DISCREPANCIES.
4. CONTRACTOR TO ENSURE PROPER SEPARATION IN ACCORDANCE WITH AT&T'S FIRSTNET REQUIREMENTS (SEE SHEET R-602)

FINAL ANTENNA SCHEDULE

LOCATION			ANTENNA SUMMARY				NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	132'	40°	A1	EMPTY	-	-	-	-
			A2	800-10964	LTE 700 LTE AWS 5G AWS	REL	(1) 4478 B14 RRU (1) 8843 B2/B66A RRU	ADD ADD
	134'		A3	AIR6449 B77D	5G C-BAND	ADD	-	-
	130'		A3	AIR6419 B77G	5G DOD	ADD	-	-
	132'		A4	DMP65R-BU6EA-K	LTE 700 5G 850 LTE WCS LTE 1900 5G 1900	ADD	(1) 4449 B5/B12 RRU (1) RRUS-32 B30	REL RMN
BETA	132'	160°	B1	EMPTY	-	-	-	-
	132'		B2	800-10964	LTE 700 LTE AWS 5G AWS	REL	(1) 4478 B14 RRU (1) 8843 B2/B66A RRU	ADD ADD
	134'		B3	AIR6449 B77D	5G C-BAND	ADD	-	-
	130'		B3	AIR6419 B77G	5G DOD	ADD	-	-
	132'		B4	DMP65R-BU6EA-K	LTE 700 5G 850 LTE WCS LTE 1900 5G 1900	ADD	(1) 4449 B5/B12 RRU (1) RRUS-32 B30	REL RMN
GAMMA	132'	280°	C1	EMPTY	-	-	-	-
	132'		C2	800-10964	LTE 700 LTE AWS 5G AWS	REL	(1) 4478 B14 RRU (1) 8843 B2/B66A RRU	ADD ADD
	134'		C3	AIR6449 B77D	5G C-BAND	ADD	-	-
	130'		C3	AIR6419 B77G	5G DOD	ADD	-	-
	132'		C4	DMP65R-BU6EA-K	LTE 700 5G 850 LTE WCS LTE 1900 5G 1900	ADD	(1) 4449 B5/B12 RRU (1) RRUS-32 B30	REL RMN

EXISTING FIBER DISTRIBUTION/SQUID		EXISTING CABLING SUMMARY			
MODEL NUMBER	STATUS	COAX	DC	FIBER	STATUS
(2) DC6-48-60-18	RMN	(6) 1-5/8"	–	–	RMN
–	–	(6) 1-5/8"	(4) 0.78"	(2) 0.39" TRUNK	RMV

STATUS ABBREVIATIONS

RMV: TO BE REMOVED
RMN: TO REMAIN
REL: TO BE RELOCATED
ADD: TO BE ADDED

CABLE LENGTHS FOR JUMPERS

JUNCTION BOX TO RRU: 15'
RRU TO ANTENNA: 10'

THIS PAGE CONTAINS CONFIDENTIAL, PROPRIETARY OR TRADE SECRET INFORMATION EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW.

FINAL FIBER DISTRIBUTION/SQUID		FINAL CABLING SUMMARY			
MODEL NUMBER	STATUS	COAX	DC	FIBER	STATUS
(2) DC6-48-60-18	RMN	(6) 1-5/8"	-	-	-
(1) DC9-48-60-24-8C-EV	ADD	-	(2) 0.82" 8AWG6 (4) 0.92"	(3) 0.41"	ADD

1 EQUIPMENT SCHEDULES

AMERICAN TOWER®
A.T. ENGINEERING SERVICE, PLLC
3500 REGENCY PARKWAY
SUITE 100
CARY, NC 27518
PHONE: (919) 468-0112
COA: 0012746

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TOTALLY COMMITTED.
NB+C ENGINEERING SERVICES, LLC.
8601 SIX FORKS ROAD, SUITE 540
RALEIGH, NC 27615
(919) 657-9131

REV.	DESCRIPTION	BY	DATE
A	PRELIM	CCC	03/30/22

ATC SITE NUMBER:
302540

ATC SITE NAME:
MADISON CT 6

AT&T SITE NAME:
MRCTB055969

SITE ADDRESS:
8 OLD 79
MADISON, CT 06443-2685

SEAL:

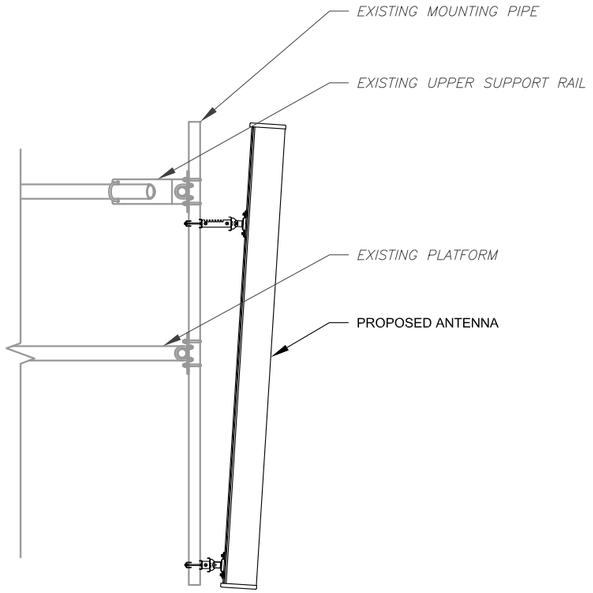
PRELIMINARY: NOT FOR CONSTRUCTION

AT&T

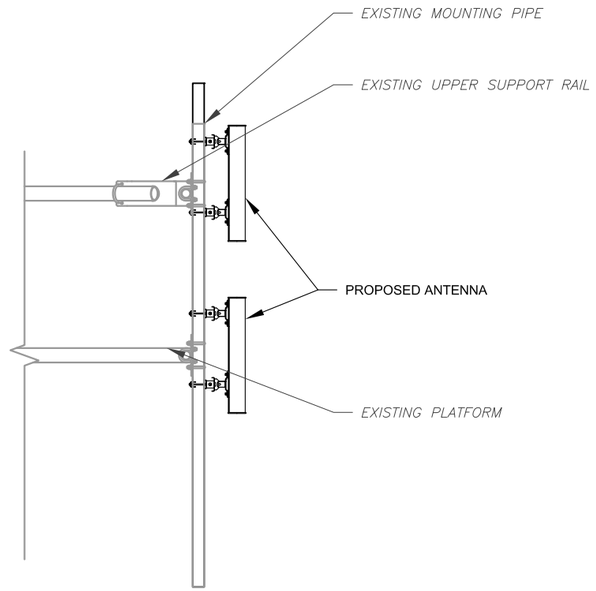
DATE DRAWN:	03/30/22
ATC JOB NO:	13757740
CUSTOMER ID:	CT2178
CUSTOMER #:	CT2178

RF SCHEDULE

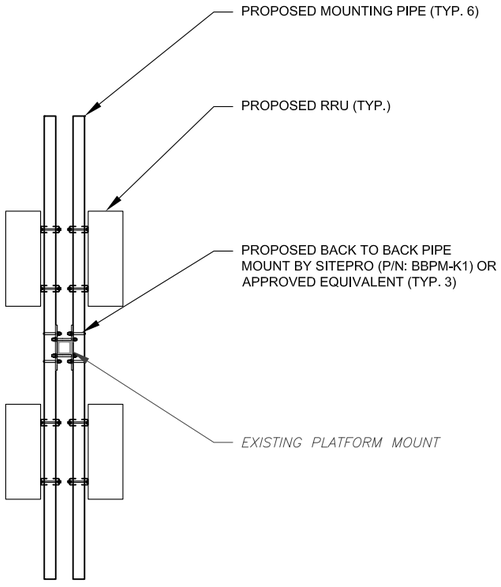
SHEET NUMBER:	REVISION:
C-402	A



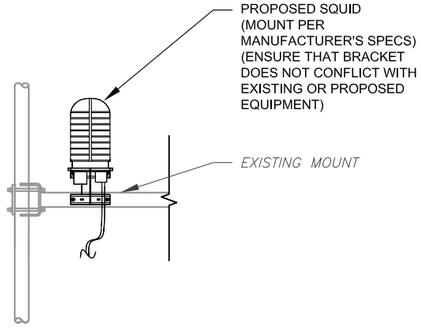
1 ANTENNA DETAIL
SCALE: N.T.S.



2 ANTENNA DETAIL
SCALE: N.T.S.



3 PROPOSED RRU MOUNTING DETAIL - TYPICAL
SCALE: N.T.S.



4 PROPOSED SQUID MOUNTING
SCALE: N.T.S.

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RALEIGH, NC 27615
(919) 657-9131

REV.	DESCRIPTION	BY	DATE
A	PRELIM	CCC	03/30/22

ATC SITE NUMBER:
302540

ATC SITE NAME:
MADISON CT 6

AT&T SITE NAME:
MRCTB055969

SITE ADDRESS:
8 OLD 79
MADISON, CT 06443-2685

SEAL:

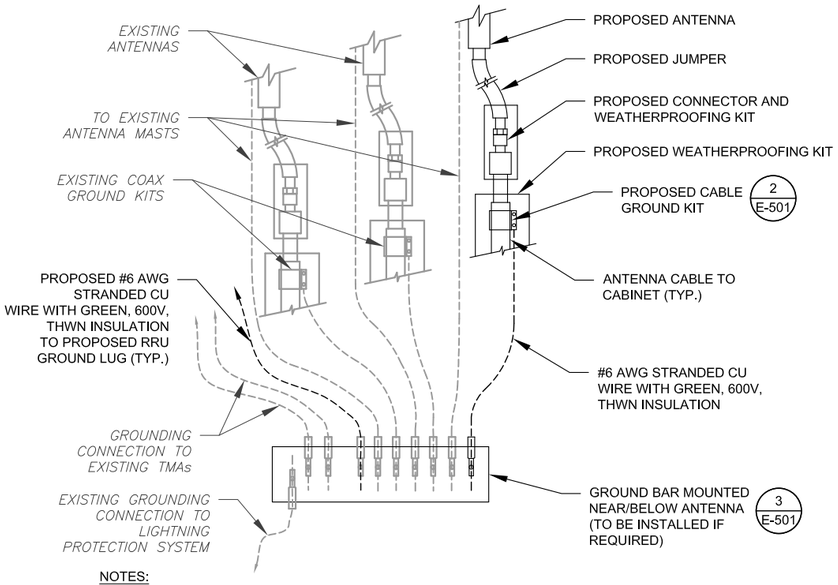
PRELIMINARY: NOT FOR CONSTRUCTION

AT&T

DATE DRAWN:	03/30/22
ATC JOB NO:	13757740
CUSTOMER ID:	CT2178
CUSTOMER #:	CT2178

CONSTRUCTION DETAILS

SHEET NUMBER:	REVISION:
C-501	A

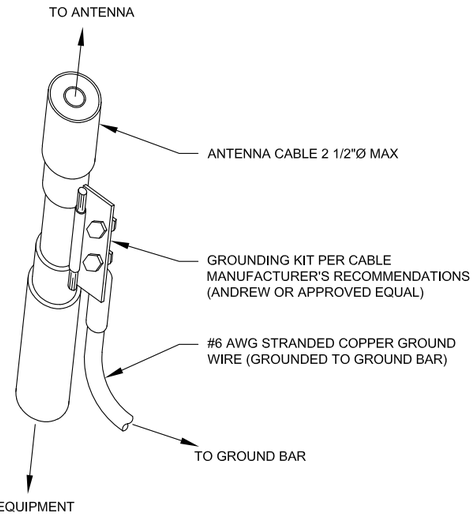


NOTES:

1. THIS DETAIL IS INTENDED TO SHOW THE GENERAL GROUNDING REQUIREMENTS. SLIGHT ADJUSTMENTS MAY BE REQUIRED BASED ON EXISTING SITE CONDITIONS. THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS AS NEEDED AND INFORM THE CONSTRUCTION MANAGER OF ANY CONFLICTS.
2. SITE GROUNDING SHALL COMPLY WITH AT&T GROUNDING STANDARDS, LATEST EDITION, AND COMPLY WITH AT&T GROUNDING CHECKLIST, LATEST VERSION. WHEN NATIONAL AND LOCAL GROUNDING CODES ARE MORE STRINGENT THEY SHALL GOVERN.

1 TYPICAL ANTENNA GROUNDING DIAGRAM

SCALE: N.T.S.

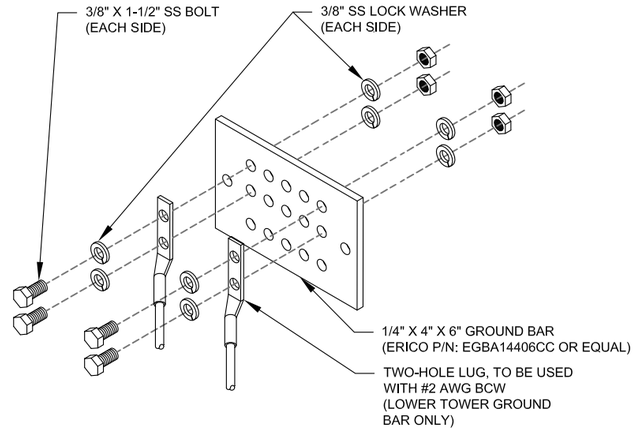


GROUND KIT NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
2. CONTRACTOR SHALL PROVIDE WEATHERPROOFING KIT (ANDREW PART NUMBER 221213) AND INSTALL/TAPE PER MANUFACTURER'S SPECIFICATIONS.

2 CABLE GROUND KIT CONNECTION DETAIL

SCALE: N.T.S.

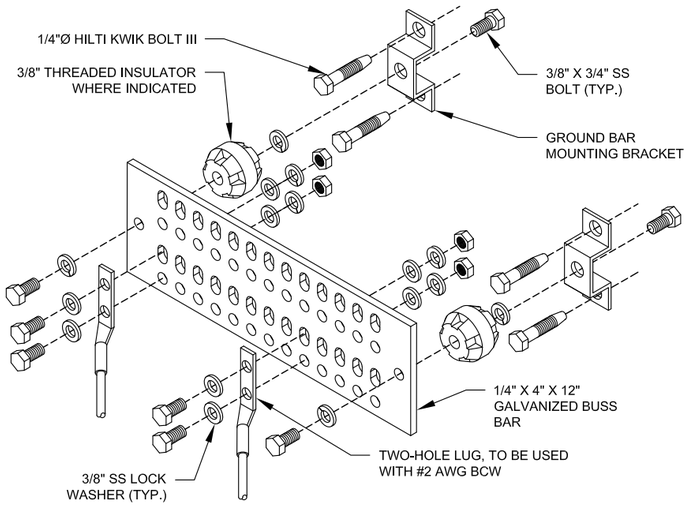


GROUND BAR NOTES:

1. GROUND BAR KITS COME WITH ALL HARDWARE, NUTS, BOLTS, WASHERS, ETC. EXCEPT THE STRUCTURAL MOUNTING MEMBER(S).
2. GROUND BAR TO BE BONDED DIRECTLY TO TOWER.

3 TOWER GROUND BAR DETAIL

SCALE: N.T.S.

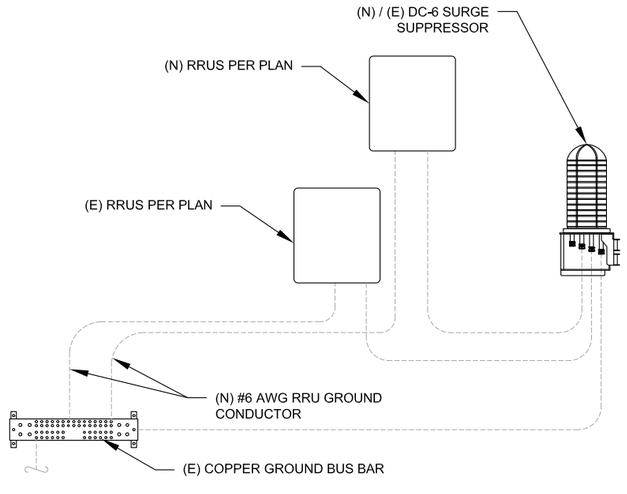


GROUND BAR NOTES

1. GROUND KITS COME WITH ALL HARDWARE, NUTS, BOLTS, WASHERS, ETC. EXCEPT THE STRUCTURAL MOUNTING MEMBER(S).
2. GROUND BAR SHALL BE BOLTED TO STRUCTURAL MEMBER OR ANCHORED TO CONCRETE SLAB W/ HILTI KWIK BOLT III.

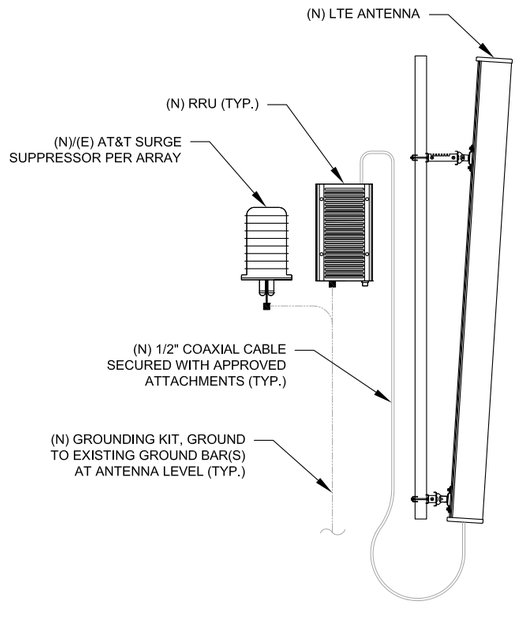
4 MAIN GROUND BAR DETAIL

SCALE: N.T.S.



5 RRU GROUNDING

SCALE: N.T.S.



6 ANTENNA/RRU GROUNDING

SCALE: N.T.S.

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NB+C ENGINEERING SERVICES, LLC.
8601 SIX FORKS ROAD, SUITE 540
RALEIGH, NC 27615
(919) 657-9131

REV.	DESCRIPTION	BY	DATE
A	PRELIM	CCC	03/30/22

ATC SITE NUMBER:
302540

ATC SITE NAME:
MADISON CT 6

AT&T SITE NAME:
MRCTB055969

SITE ADDRESS:
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MADISON, CT 06443-2685

SEAL:

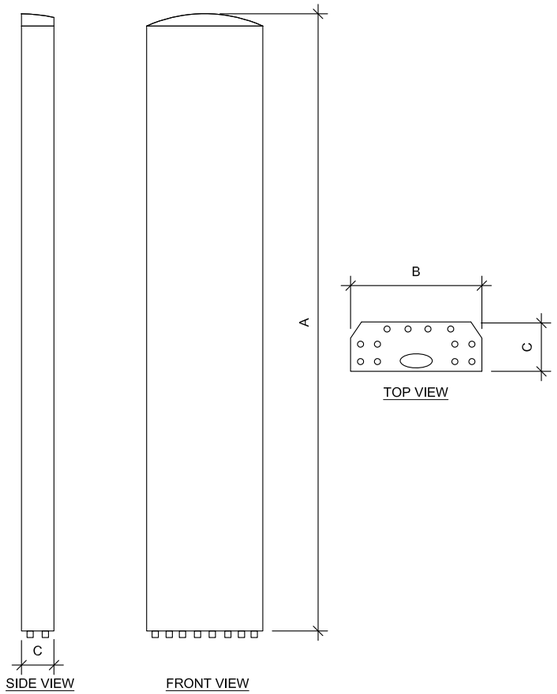
PRELIMINARY: NOT FOR CONSTRUCTION

AT&T

DATE DRAWN:	03/30/22
ATC JOB NO:	13757740
CUSTOMER ID:	CT2178
CUSTOMER #:	CT2178

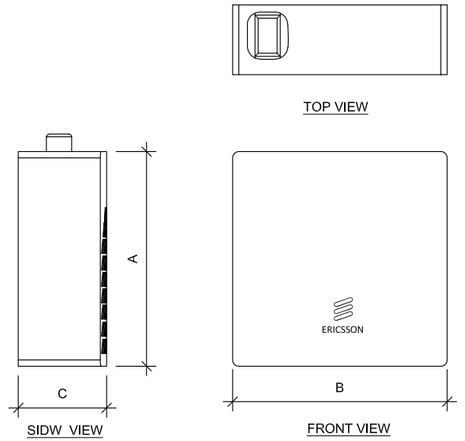
GROUNDING DETAILS

SHEET NUMBER:	REVISION:
E-501	A



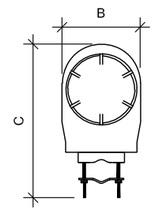
SIDE VIEW FRONT VIEW TOP VIEW

ANTENNA SPECIFICATIONS				
ANTENNA MODEL	A	B	C	WEIGHT (LBS)
DMP65R-BU6EA-K	71.2	20.7	9.7	103.8
AIR 6449 B77D / C-BAND	30.4	15.9	10.6	81.6
AIR 6419 B77G	28.3	16.1	7.9	66.1

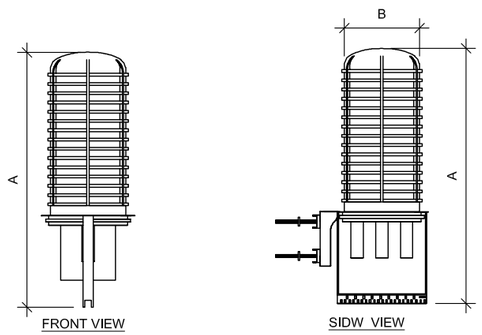


TOP VIEW SIDW VIEW FRONT VIEW

RRU SPECIFICATIONS				
RRU MODEL	A	B	C	WEIGHT (LBS)
RRUS 4478 B14	18.1	13.4	8.3	59.4
RRUS 8843 B2/B66A	14.9	13.2	10.9	72.0



PLAN VIEW



FRONT VIEW SIDW VIEW

RAYCAP SPECIFICATIONS				
RAYCAP MODEL	A	B	C	WEIGHT (LBS)
DC9-48-60-24-8C-EV	31.4	18.3	10.2	16

1 EQUIPMENT SPECIFICATIONS

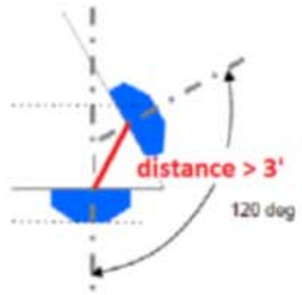
SCALE: N.T.S.

SUPPLEMENTAL

SHEET NUMBER:	REVISION:
R-601	A

RF REQUIREMENTS FOR 700 B14 FIRSTNET, 700 B12, 700D B29 ANTENNA SEPARATION

- ❑ Horizontal separation (side to side of antenna): >= 3’
- ❑ Vertical separation (between the tips of the antennas): > 3’
- ❑ Inter-sector separation: > 3’ between the center of the antenna backplanes.



- ❑ Please note additional horizontal separation may be required if B14 antennas azimuth are different from others or antennas are severely angled with respect to the mount.
- ❑ Typical 3' horizontal separation can tolerate skew angle up to 6°.

NOTE: THIS SHEET CREATED BY OTHERS AND PROVIDED BY REQUEST OF CUSTOMER WITHOUT EDIT.

SUPPLEMENTAL

SHEET NUMBER: R-602

REVISION: A

AMERICAN TOWER®
CORPORATION

This report was prepared for American Tower Corporation by

ENGINEERED
TOWER SOLUTIONS

Antenna Mount Analysis Report

ATC Site Name	:	**Madison CT 6**
ATC Site Number	:	**302540**
Engineering Number	:	**13757740_C8_01**
Mount Elevation	:	**132 ft**
Carrier	:	**AT&T MOBILITY**
Carrier Site Name	:	**MRCTB055969**
Carrier Site Number	:	**CT2178**
Site Location	:	**Old Route 79** **Madison, CT 06443** **41.28553898, -72.60133003**
County	:	**New Haven**
Date	:	**March 21, 2022**
Max Usage	:	**70%**
Result	:	**Contingent Pass**

Prepared By:
Gabriella Tucker, EI
Structural Engineer I

Reviewed By:
Frederic Bost, PE
Chief Technical Officer

STATE OF CONNECTICUT
FREDERIC BOST
PEN.0029529
LICENSED
PROFESSIONAL ENGINEER
3/21/22

Introduction

The purpose of this report is to summarize results of the antenna mount analysis performed for AT&T Mobility at 132 ft.

Supporting Documents

RFDS	RFDS dated February 10, 2022
Photos	Site photos from 2022

Analysis

This antenna mount was analyzed using RISA-3D v17.0.4 analysis software.

Basic Wind Speed:	123 mph (3-Second Gust, V_{ult})
Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ 1" radial ice concurrent
Codes:	ANI/TIA-222-H
Structure Class:	II
Exposure Category:	B
Topographic Procedure:	Method 2
Topographic Feature:	Flat
Crest Height:	0 ft
Crest Length:	0 ft
Spectral Response:	S_s = 0.205, S_1 = 0.054
Site Class:	D-Default
Live Loads:	Lm = 500 lbs, Lv = 250 lbs

Conclusion

Based on the analysis results, the antenna mount meets the requirements per the applicable codes listed above provided the modifications listed below are completed:

1. Relocate position 2/3 mount pipes on Alpha sector and position 1/2 mount pipes on Beta/Gamma sector so that mount pipes are spaced at 55" o-c.

If you have any questions or require additional information, please contact American Tower via email at Engineering@americantower.com. Please include the American Tower site name, site number, and engineering number in the subject line for any questions.

1 MOUNT ANALYSIS

NOTE: THIS SHEET WAS CREATED BY OTHERS AND PROVIDED AT THE REQUEST OF THE CUSTOMER WITHOUT EDIT. PLEASE REFERENCE THE MOUNT ANALYSIS REPORT FOR COMPLETE MOUNT ANALYSIS CALCULATIONS AND DETAILS. SUPPLEMENTAL PAGES INCLUDED IN THE CONSTRUCTION DRAWINGS ARE FOR REFERENCE ONLY. GENERAL CONTRACTOR IS TO VERYIFY THEY HAVE THE MOST RECENT MOUNT ANALYSIS PRIOR TO CONTRUCTION.

SUPPLEMENTAL

SHEET NUMBER: R-603

REVISION: A

Introduction

The purpose of this report is to summarize results of the antenna mount analysis performed for AT&T Mobility at 132 ft.

Supporting Documents

RFDS	RFDS dated February 10, 2022
Photos	Site photos from 2022

Analysis

This antenna mount was analyzed using RISA-3D v17.0.4 analysis software.

Basic Wind Speed:	123 mph (3-Second Gust, V_{ult})
Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ 1" radial ice concurrent
Codes:	ANI/TIA-222-H
Structure Class:	II
Exposure Category:	B
Topographic Procedure:	Method 2
Topographic Feature:	Flat
Crest Height:	0 ft
Crest Length:	0 ft
Spectral Response:	Ss = 0.205, S_1 = 0.054
Site Class:	D-Default
Live Loads:	Lm = 500 lbs, Lv = 250 lbs

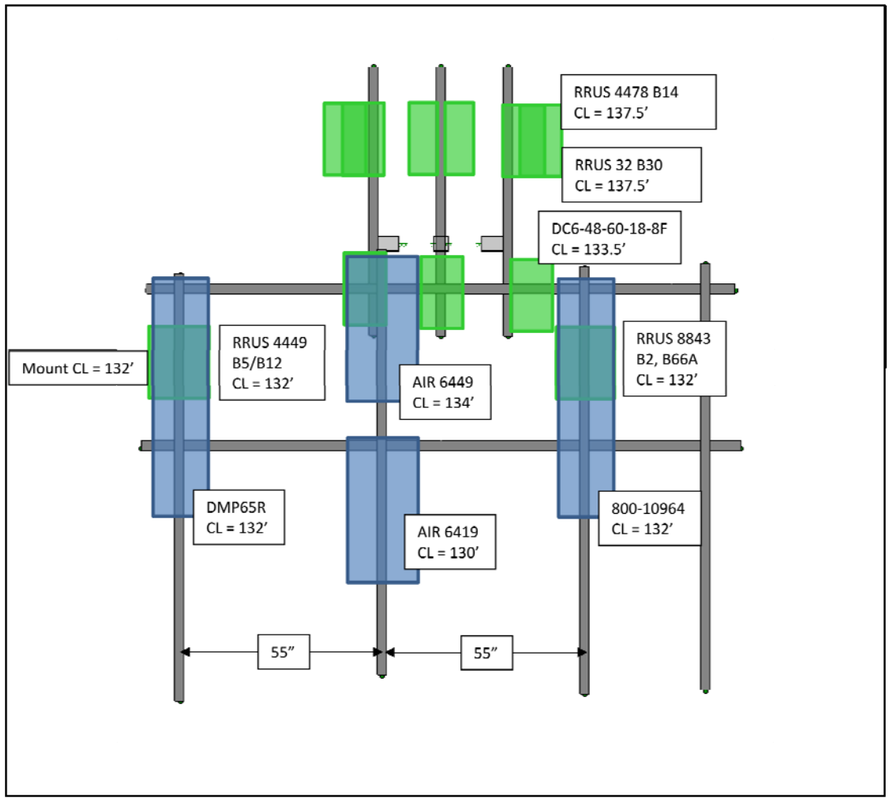
Conclusion

Based on the analysis results, the antenna mount meets the requirements per the applicable codes listed above provided the modifications listed below are completed:

1. Relocate position 2/3 mount pipes on Alpha sector and position 1/2 mount pipes on Beta/Gamma sector so that mount pipes are spaced at 55" c-c.

If you have any questions or require additional information, please contact American Tower via email at Engineering@americantower.com. Please include the American Tower site name, site number, and engineering number in the subject line for any questions.

Equipment Layout



1 MOUNT ANALYSIS

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SUPPLEMENTAL

SHEET NUMBER: R-604

REVISION: A

Antenna 1
Empty

Antenna 2
LTE 700 B14 / AWS

Broadband Octo Low 700/850 +45/-45 - +
Broadband Octo Low 700/850 +45/-45 - +
Broadband Octo High 4Tx/4Rx +45/-45 - +
Broadband Octo High 4Tx/4Rx +45/-45 - +
RET RET RET RET

Antenna 3
DoD + C band

AIR DoD +45/-45 - +
AIR C-BAND +45/-45 - +

Antenna 4
LTE 700 BC / 850 / WCS / PCS

Broadband DoDec Low 700/850 +45/-45 - +
Broadband DoDec Low 700/850 +45/-45 - +
Broadband DoDec AWS/ WCS/ PCS 4Tx/4Rx +45/-45 - +
Broadband DoDec AWS/ WCS/ PCS 4Tx/4Rx +45/-45 - +
Broadband DoDec AWS/ WCS/ PCS 4Tx/4Rx +45/-45 - +
Broadband DoDec AWS/ WCS/ PCS 4Tx/4Rx +45/-45 - +
RET RET RET RET RET RET

LTE RRUS-8843 B2
LTE RRUS-4449 850/700 BC
LTE RRUS-32 WCS

Fiber/DC-6 Demarcation Box (Squid)
Fiber/DC-9 Demarcation Box (Squid)
Fiber/DC-6 Demarcation Box (Squid)

DC Plant

- 3 Feet Minimum Separation between ALL Antennas
- 6 Feet Minimum Separation between 700BC & 700 DE
- 12" Vertical Separation between DoD and C Band Antenna.
- Use "Y Cable" for Dual band RRHs

5216 XMU 6630 6648

IDLe
Xcede

1 RFDS PLUMBING DIAGRAM

NOTE: THIS SHEET WAS CREATED BY OTHERS AND PROVIDED AT THE REQUEST OF THE CUSTOMER WITHOUT EDIT. GENERAL CONTRACTOR IS TO CHECK WITH THE AT&T CM TO ENSURE THIS IS THE MOST RECENT VERSION OF THE RFDS.

SUPPLEMENTAL

SHEET NUMBER: R-605

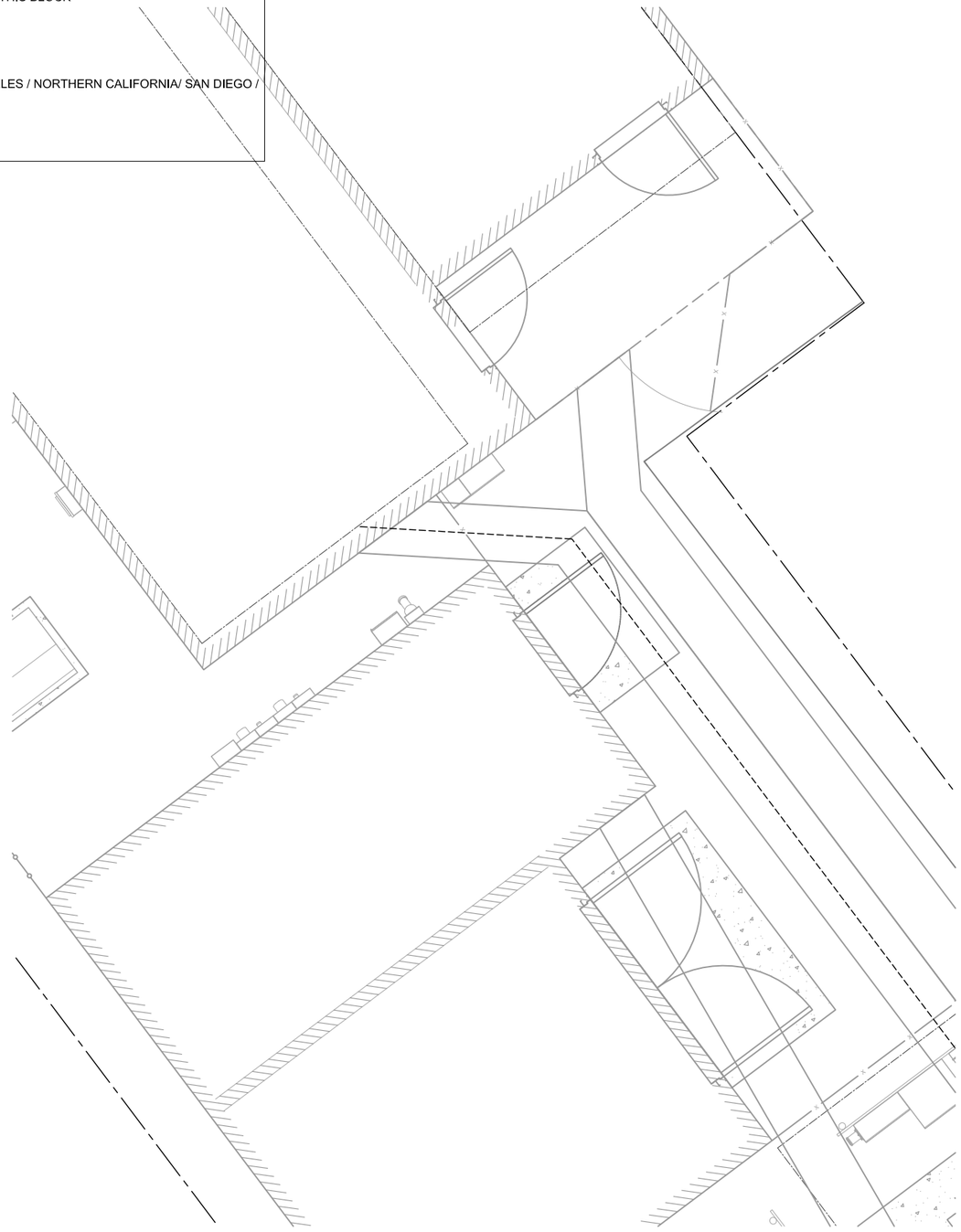
REVISION: A

AT&T RAN SCOPING NOTES:

COPY HERE AT&T SOW AND SAVE THE BLOCK, IF THERE IS NOT , REMOVE THIS BLOCK

AT&T CX SCOPING NOTES:

COPY HERE BATTERY/RECTIFIER SCOPE OF WORK (ONLY AT&T LOS ANGELES / NORTHERN CALIFORNIA/ SAN DIEGO / LAS VEGAS)



1 DETAILED SHELTER PLAN

AMERICAN TOWER®
A.T. ENGINEERING SERVICE, PLLC
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(919) 657-9131

REV.	DESCRIPTION	BY	DATE
A	PRELIM	CCC	03/30/22

ATC SITE NUMBER:
302540

ATC SITE NAME:
MADISON CT 6

AT&T SITE NAME:
MRCTB055969

SITE ADDRESS:
8 OLD 79
MADISON, CT 06443-2685

SEAL:

PRELIMINARY: NOT FOR CONSTRUCTION

AT&T

DATE DRAWN:	03/30/22
ATC JOB NO:	13757740
CUSTOMER ID:	CT2178
CUSTOMER #:	CT2178

DETAILED EQUIPMENT LAYOUT

SHEET NUMBER:	REVISION:
C-102	A

July 8, 2022

The Honorable Peggy Lyons
Madison Town Hall
8 Campus Drive
Madison, CT 06443

Re: Exempt Modification Request – AT&T Site 13757740
AT&T Wireless Telecommunications Facility @ 8 Old 79, Madison, CT 06443

Dear First Selectwoman Lyons:

New Cingular Wireless, PCS, LLC (dba AT&T) currently maintains antennas on a wireless telecommunications facility on an existing American Tower Corporation (ATC) telecommunications tower at the above referenced address. AT&T desires to modify its existing equipment as described in the enclosed Construction Drawings:

- Remove six (6) antennas, three (3) RRHs, three (3) TMAs, four (4) diplexers, six (6) coax cables, two (2) fiber trunks, and four (4) control cables;
- Install nine (9) antennas, six (6) RRHs, one (1) squid, six (6) DC trunks, and three (3) fiber trunks.
- Ground work includes removing two (2) 3208 indoor and one (1) 6601 indoor MU; installing one (1) 6601 radio node 5216, and one (1) baseband 6648.

This letter is intended to serve as the required notice to the municipality's chief elected official. As required by Regulations of Connecticut State Agencies ("RCSA") 16-50j-73 the Connecticut Siting Council ("CSC") has been notified of this proposal and will review this application. Please accept this letter as notification pursuant to RSCA 16-50j-73.

The enclosed letter and attachments to the CSC fully describe the proposal for the site. However, if you have any questions or require any additional information concerning our plans or the CSC procedures, please contact me at 443-677-0144 or contact Melanie Bachmann, Executive Director of the CSC at 860-972-2935.

Respectfully Submitted,

Jack Andrews
Zoning Manager, Centerline Communications
10130 Donleigh Drive
Columbia, MD 21046

enclosures

July 19, 2022

CK Builders LLC
109 Old Dike Rd
Trumbull, CT 06611

Re: Exempt Modification Request – AT&T Site 13757740
AT&T Wireless Telecommunications Facility @ 8 Old 79, Madison, CT 06443

Dear Property Owner:

New Cingular Wireless, PCS, LLC (dba AT&T) currently maintains antennas on a wireless telecommunications facility on an existing American Tower Corporation (ATC) telecommunications tower at the above referenced address. AT&T desires to modify its existing equipment as described in the enclosed Construction Drawings:

- Remove six (6) antennas, three (3) RRHs, three (3) TMAs, four (4) diplexers, six (6) coax cables, two (2) fiber trunks, and four (4) control cables;
- Install nine (9) antennas, six (6) RRHs, one (1) squid, six (6) DC trunks, and three (3) fiber trunks.
- Ground work includes removing two (2) 3208 indoor and one (1) 6601 indoor MU; installing one (1) 6601 radio node 5216, and one (1) baseband 6648.

This letter is intended to serve as the required notice to the owner of the subject property. As required by Regulations of Connecticut State Agencies ("RCSA") 16-50j-73 the Connecticut Siting Council ("CSC") has been notified of this proposal and will review this application. Please accept this letter as notification pursuant to RSCA 16-50j-73.

The enclosed letter and attachments to the CSC fully describe the proposal for the site. However, if you have any questions or require any additional information concerning our plans or the CSC procedures, please contact me at 443-677-0144 or contact Melanie Bachmann, Executive Director of the CSC at 860-972-2935.

Respectfully Submitted,

Jack Andrews
Zoning Manager, Centerline Communications
10130 Donleigh Drive
Columbia, MD 21046

enclosures

July 19, 2022

Erin Mannix, Town Planner
Madison Town Hall
8 Campus Drive
Madison, CT 06443

Re: Exempt Modification Request – AT&T Site 13757740
AT&T Wireless Telecommunications Facility @ 8 Old 79, Madison, CT 06443

Dear Ms. Mannix:

New Cingular Wireless, PCS, LLC (dba AT&T) currently maintains antennas on a wireless telecommunications facility on an existing American Tower Corporation (ATC) telecommunications tower at the above referenced address. AT&T desires to modify its existing equipment as described in the enclosed Construction Drawings:

- Remove six (6) antennas, three (3) RRHs, three (3) TMAs, four (4) diplexers, six (6) coax cables, two (2) fiber trunks, and four (4) control cables;
- Install nine (9) antennas, six (6) RRHs, one (1) squid, six (6) DC trunks, and three (3) fiber trunks.
- Ground work includes removing two (2) 3208 indoor and one (1) 6601 indoor MU; installing one (1) 6601 radio node 5216, and one (1) baseband 6648.

This letter is intended to serve as the required notice to the municipal planning agency. As required by Regulations of Connecticut State Agencies ("RCSA") 16-50j-73 the Connecticut Siting Council ("CSC") has been notified of this proposal and will review this application. Please accept this letter as notification pursuant to RSCA 16-50j-73.

The enclosed letter and attachments to the CSC fully describe the proposal for the site. However, if you have any questions or require any additional information concerning our plans or the CSC procedures, please contact me at 443-677-0144 or contact Melanie Bachmann, Executive Director of the CSC at 860-972-2935.

Respectfully Submitted,

Jack Andrews
Zoning Manager, Centerline Communications
10130 Donleigh Drive
Columbia, MD 21046

enclosures

July19, 2022

Jacqueline Hall
Project Manager, Site Development
American Tower Corporation
10 Presidential Way
Woburn, MA 01801

Re: Exempt Modification Request – AT&T Site 13757740
AT&T Wireless Telecommunications Facility @ 8 Old 79, Madison, CT 06443

Dear Ms. Hall:

New Cingular Wireless, PCS, LLC (dba AT&T) currently maintains antennas on a wireless telecommunications facility on an existing American Tower Corporation (ATC) telecommunications tower at the above referenced address. AT&T desires to modify its existing equipment as described in the enclosed Construction Drawings:

- Remove six (6) antennas, three (3) RRHs, three (3) TMAs, four (4) diplexers, six (6) coax cables, two (2) fiber trunks, and four (4) control cables;
- Install nine (9) antennas, six (6) RRHs, one (1) squid, six (6) DC trunks, and three (3) fiber trunks.
- Ground work includes removing two (2) 3208 indoor and one (1) 6601 indoor MU; installing one (1) 6601 radio node 5216, and one (1) baseband 6648.

This letter is intended to serve as the required notice to the Tower Owner. As required by Regulations of Connecticut State Agencies ("RCSA") 16-50j-73 the Connecticut Siting Council ("CSC") has been notified of this proposal and will review this application. Please accept this letter as notification pursuant to RSCA 16-50j-73.

The enclosed letter and attachments to the CSC fully describe the proposal for the site. However, if you have any questions or require any additional information concerning our plans or the CSC procedures, please contact me at 443-677-0144 or contact Melanie Bachmann, Executive Director of the CSC at 860-972-2935.

Respectfully Submitted,

Jack Andrews
Zoning Manager, Centerline Communications
10130 Donleigh Drive
Columbia, MD 21046

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