Robinson+Cole

KENNETH C. BALDWIN

280 Trumbull Street
Hartford, CT 06103-3597
Main (860) 275-8200
Fax (860) 275-8299
kbaldwin@rc.com
Direct (860) 275-8345

Also admitted in Massachusetts
and New York

October 13, 2021

Via Electronic Mail

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

Re: **Notice of Exempt Modification – Facility Modification**
203 Davis Road, Chaplin, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") maintains an existing wireless telecommunications facility at the above-referenced property address (the "Property"). The facility consists of antennas and remote radio heads attached to a tower and related equipment on the ground, near the base of the tower. The tower was approved by the Town of Chaplin ("Town") in September of 2001. Cellco's use of the tower was approved by the Council in October of 2007 (EM-VER-024-070917). A copy of the Town's approval and the Council's EM-VER-024-070917 approval are included in Attachment 1.

Cellco now intends to modify its facility by removing six (6) existing antennas and installing three (3) Samsung MT6407-77A antennas and six (6) JAHH-65B-R3B antennas on its existing antenna mounting platform. Cellco also intends to remove six (6) existing remote radio heads ("RRHs") and install six (6) new RRHs behind its antennas. A set of project plans showing Cellco's proposed facility modifications and new antennas and RRH specifications are included in Attachment 2.

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

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

1. The proposed modifications will not result in an increase in the height of the existing tower.

2. The proposed modifications will not involve any change to ground-mounted equipment and, therefore, will not require the extension of the site boundary.

3. The proposed modifications will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.

4. The installation of Cellco's new antennas will not increase radio frequency (RF) emissions at the facility to a level at or above the Federal Communications Commission (FCC) safety standard. A Cumulative Power Density table for Cellco's modified facility is included in Attachment 3. The modified facility will be capable of providing Cellco's 5G wireless service.

5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.

6. According to the attached Structural Analysis ("SA") and Mount Analysis ("MA"), the existing tower, tower foundation and antenna platform, with certain modifications, can support Cellco's proposed modifications. Copies of the SA and MA are included in Attachment 4.

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

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

Sincerely,

Kenneth C. Baldwin

Enclosures
Copy to:

William Rose, First Selectman for the Town of Chaplin
James Gigliotti, Chaplin Zoning Officer
Truman Pearl, Property Owner
Karla Hanna

ATTACHMENT 1

CERTIFICATE OF USE AND OCCUPANCE

DEPARTMENT OF BUILDING INSPECTIONS

CHAPLIN, CONNECTICUT

Certificate No. 542

This is to certify that SBA, NEXTEL & SPRINT ..... Map No.....

Located at Street 263 Davis Road ..... Block.....

Building Permit No. 1008 ..... Lot No.....

conforms substantially to the requirements of the Connecticut State Building Code, Santitation Code, and all the Zoning Ordinance of the Town of Chaplin and is hereby approved for occupancy as indicated below:

Type fo Construction ..... TOWER ..... Use Group ..... Communications .....

Conditions.....

.....

.....

Occupancy Load _____

Live Loads _____

Fire Grading _____

Type of Structure Unipole w/ NEXTEL & SPRINT ANTENN

Date 9-9-01

.....

BUILDING OFFICIAL

Any change or extention of the use herein approved requires a new certificate

№ ~~XXXX~~ 1008

TOWN OF CHAPLIN
DEPARTMENT OF BUILDING INSPECTION
APPLICATION FOR BUILDING PERMIT AND PLAN EXAMINATION
TELEPHONE NO. 455-0570

1. 203 (Number) DAVIS ROAD (Street/Road) MAP 57 PARCEL 29-1 (Assessor's Map - Block - Lot. No.)
2. TRUMAN J. PEARL & LYN D. PEARL (OWNER'S NAME) AND 203 DAVIS ROAD CHAPLIN, CT. 06235 (ADDRESS) (TEL. NO.)
3. SBA, INC. (APPLICANT'S NAME) 80 EASTERN BLVD. AND GLASTONBURY, CT. 06033 (ADDRESS) 860.659-9101 (TEL. NO.)
4. INSTALLATION OF A TELECOMMUNICATIONS FACILITY TO INCLUDE A (Type of Improvement) 175 FT. TOWER, FENCED COMPOUND AND ASSOCIATED POWER & TELEPHONE UTILITIES.
5. (Type of Heating System) (Fireplace) (Woodstove)
6. (No. of Bedrooms) (No. of Baths) (Type of Sewage) (Type of Water Supply) (Principal Type of Frame)
7. (Proposed Use of Structure)
8. THIS APPLICATION MUST BE ACCOMPANIED BY A PROPER SITE PLAN AND BUILDING PLANS AND COPIES OF THE FOLLOWING APPROVALS SHOULD BE ATTACHED IF REQUIRED:
   - SEPTIC PERMIT
   - WETLANDS PERMIT
   - TOWN OR STATE DRIVEWAY PERMIT
   - LAND USE/ZONING PERMIT
   - PROOF OF WORKMAN'S COMP.
   - ADDITIONAL INFORMATION MAY BE REQUIRED ON COMMERCIAL APPLICATIONS.

ESTIMATED COST $ 240,000

PERMIT FEE: 1680.00

RECEIPT NO: # 80755

EDUCATION FEE: 38.40

THE OWNER OF THIS BUILDING AND THE UNDERSIGNED AGREE TO CONFORM TO THE CONNECTICUT STATE BUILDING CODE AND TO NOTIFY THE BUILDING OFFICIAL OF ANY CHANGES IN PLANS FOR WHICH THIS PERMIT IS REQUESTED.

Signature of Applicant — Date: 8/1/00

OWNER'S APPROVAL

Contracting Wetlands

	Address	Signature	Lic. No.
Electrical Contractor			
Plumbing Contractor			
Heating/Cooling Contractor			
Concrete Contractor		General Contractor	

Zoning Official Raymond M. Murphy

APPROVED 8/8/00 (Date) **BUILDING OFFICIAL**

THIS PERMIT BECOMES NULL AND VOID IF ACTIVITY IS NOT COMMENCED WITHIN 12 MONTHS FROM DATE OF ISSUANCE.

White: Building Office Yellow: Assessor Pink: File Gold: Owner

№ 1008

TOWN OF CHAPLIN
DEPARTMENT OF BUILDING INSPECTION
APPLICATION FOR BUILDING PERMIT AND PLAN EXAMINATION
TELEPHONE NO. 455-0570

1. 203 (Number) Davis Road (Street/Road) MAP 57 Parcel 29-1 (Assessor's Map - Block - Lot. No.)
2. TRUMAN J. PEARL + Lyn D. Pearl (OWNER'S NAME AND ADDRESS) 203 Davis Road Chaplin CT 06235 (TEL. NO.)
3. SBA, INC., NEXTEL & SPRINT PCS (APPLICANT'S NAME AND ADDRESS) 80 Eastern Blvd. Glastonbury CT 06033 (TEL. NO.) (860) 659-4101
4. Type of Improvement: Installation of a 185' Telecommunication Tower including Radio Equipment shelter for Nextel communications and Radio Equipment enclosed in steel ice protection cover. For Sprint PCS. All equipment to be enclosed in a 70'x70' Chain Link Fence
5. Type of Heating System | Fireplace | Woodstove
6. No. of Bedrooms: N/A | No. of Baths: N/A | Type of Sewage: N/A | Type of Water Supply: N/A | Principal Type of Frame
7. Proposed Use of Structure: Telecommunication facility
8. THIS APPLICATION MUST BE ACCOMPANIED BY A PROPER SITE PLAN AND BUILDING PLANS AND COPIES OF THE FOLLOWING APPROVALS SHOULD BE ATTACHED IF REQUIRED:
   - SEPTIC PERMIT
   - WETLANDS PERMIT
   - TOWN OR STATE DRIVEWAY PERMIT
   - LAND USE/ZONING PERMIT
   - PROOF OF WORKMAN'S COMP.
   - ADDITIONAL INFORMATION MAY BE REQUIRED ON COMMERCIAL APPLICATIONS.

ESTIMATED COST 240,000

PERMIT FEE: 1680.00

RECEIPT NO: ✓# 80755

EDUCATION FEE: 38.40

[signature] San. Inspector/Wetlands Agent. 9-26-00

THE OWNER OF THIS BUILDING AND THE UNDERSIGNED AGREE TO CONFORM TO THE CONNECTICUT STATE BUILDING CODE AND TO NOTIFY THE BUILDING OFFICIAL OF ANY CHANGES IN PLANS FOR WHICH THIS PERMIT IS REQUESTED.

[signature] Signature of Applicant — Date 8/1/00

Electrical Contractor .... Address .... Signature .... Lic. No.

Plumbing Contractor .... Address .... Signature .... Lic. No.

Heating/Cooling Contractor .... Address .... Signature .... Lic. No.

Concrete Contractor .... General Contractor

Also see application 1011

APPROVED 8/28/00 [signature]
Date **BUILDING OFFICIAL**

THIS PERMIT BECOMES NULL AND VOID IF ACTIVITY IS NOT COMMENCED WITHIN 12 MONTHS FROM DATE OF ISSUANCE.

White: Building Office | Yellow: Assessor | Pink: File | Gold: Owner

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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

Daniel F. Caruso
Chairman

October 1, 2007

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

RE: **EM-VER-024-070917** – Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 203 Davis Road, Chaplin, Connecticut.

Dear Attorney Baldwin:

At a public meeting held on September 25, 2007, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies, with the condition that the modifications specified on page 5 of the structural analysis report sealed by John Irving Mathis, P.E. are performed prior to the antenna installation and that a signed letter from a Professional Engineer is submitted to the Council to certify that the modifications have been properly completed.

The proposed modifications are to be implemented as specified here and in your notice dated September 17, 2007, including the placement of all necessary equipment and shelters within the tower compound. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

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

Thank you for your attention and cooperation.

Very truly yours,

Daniel F. Caruso

Daniel F. Caruso
Chairman

DFC/MP/cm

c: The Honorable Rusty Lanzit, First Selectman, Town of Chaplin
Raymond Murphy, Zoning Enforcement Officer, Town of Chaplin
SBA Towers

G:\EM\BAM-VERIZON\Chaplin\dc092807.DOC

ATTACHMENT 2

verizon

WIRELESS COMMUNICATIONS FACILITY UPGRADE

MANSFIELD NE CT
203 DAVIS ROAD,
CHAPLIN, CT 06235

GENERAL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2015 INTERNATIONAL BUILDING CODE AS MODIFIED BY THE 2018 CONNECTICUT SUPPLEMENT, INCLUDING THE TIA/EIA-222 REVISION "G" STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND SUPPORTING STRUCTURES, 2017 CONNECTICUT FIRE SAFETY CODE, NATIONAL ELECTRICAL CODE, AND LOCAL CODES.
2. SHOULD ANY FIELD CONDITIONS PRECLUDE COMPLIANCE WITH THE DRAWINGS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND SHALL NOT PROCEED WITH ANY AFFECTED WORK.
3. CONTRACTOR SHALL REVIEW ALL DRAWINGS AND SPECIFICATIONS IN THE CONTRACT DOCUMENT SET. CONTRACTOR SHALL COORDINATE ALL WORK SHOWN IN THE SET OF DRAWINGS. THE CONTRACTOR SHALL PROVIDE A COMPLETE SET OF DRAWINGS TO ALL SUBCONTRACTORS AND ALL RELATED PARTIES. THE SUBCONTRACTORS SHALL EXAMINE ALL THE DRAWINGS AND SPECIFICATIONS FOR THE INFORMATION THAT AFFECTS THEIR WORK.
4. CONTRACTOR SHALL PROVIDE A COMPLETE BUILD-OUT WITH ALL FINISHES, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS AND PROVIDE ALL ITEMS AS SHOWN OR INDICATED ON THE DRAWINGS OR IN THE WRITTEN SPECIFICATIONS.
5. CONTRACTOR SHALL FURNISH ALL MATERIAL, LABOR AND EQUIPMENT TO COMPLETE THE WORK AND FURNISH A COMPLETED JOB ALL IN ACCORDANCE WITH LOCAL AND STATE GOVERNING AUTHORITIES AND OTHER AUTHORITIES HAVING LAWFUL JURISDICTION OVER THE WORK.
6. CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND ALL INSPECTIONS REQUIRED AND SHALL ALSO PAY FEES REQUIRED FOR THE GENERAL CONSTRUCTION, AND ALL TRADES AS APPLICABLE PERMITS SHALL BE PAID FOR BY THE RESPECTIVE SUBCONTRACTORS.
7. CONTRACTOR SHALL MAINTAIN A CURRENT SET OF DRAWINGS AND SPECIFICATIONS ON SITE AT ALL TIMES AND INSURE DISTRIBUTION OF NEW DRAWINGS TO SUBCONTRACTORS AND OTHER RELEVANT PARTIES AS SOON AS THEY ARE MADE AVAILABLE. ALL OLD DRAWINGS SHALL BE MARKED VOID AND REMOVED FROM THE CONTRACT AREA. THE CONTRACTOR SHALL FURNISH AN "AS-BUILT" SET OF DRAWINGS TO OWNER UPON COMPLETION OF PROJECT.
8. LOCATION OF EQUIPMENT, AND WORK SUPPLIED BY OTHERS THAT IS DIAGRAMMATICALLY INDICATED ON THE DRAWINGS SHALL BE DETERMINED BY THE CONTRACTOR. THE CONTRACTOR SHALL DETERMINE LOCATIONS AND DIMENSIONS SUBJECT TO STRUCTURAL CONDITIONS AND WORK OF THE SUBCONTRACTORS.
9. THE CONTRACTOR IS SOLELY RESPONSIBLE TO DETERMINE CONSTRUCTION PROCEDURE AND SEQUENCE, AND TO ENSURE THE SAFETY OF THE EXISTING STRUCTURES AND ITS COMPONENT PARTS DURING CONSTRUCTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, BRACING, UNDERPINNING, ETC. THAT MAY BE NECESSARY. MAINTAIN EXISTING BUILDING'S/PROPERTY'S OPERATIONS, COORDINATE WORK WITH BUILDING/PROPERTY OWNER.
10. DRAWINGS INDICATE THE MINIMUM STANDARDS, BUT IF ANY WORK SHOULD BE INDICATED TO BE SUBSTANDARD TO ANY ORDINANCES, LAWS, CODES, RULES, OR REGULATIONS BEARING ON THE WORK, THE CONTRACTOR SHALL INCLUDE IN HIS WORK AND SHALL EXECUTE THE WORK CORRECTLY IN ACCORDANCE WITH SUCH ORDINANCES, LAWS, CODES, RULES OR REGULATIONS WITH NO INCREASE IN COSTS.
11. ALL UTILITY WORK SHALL BE IN ACCORDANCE WITH LOCAL UTILITY COMPANY REQUIREMENTS AND SPECIFICATIONS.
12. ALL EQUIPMENT AND PRODUCTS PURCHASED ARE TO BE REVIEWED BY CONTRACTOR AND ALL APPLICABLE SUBCONTRACTORS FOR ANY CONDITION PER MFR.'S RECOMMENDATIONS. CONTRACTOR TO SUPPLY THESE ITEMS AT NO COST TO OWNER OR CONSTRUCTION MANAGER.
13. ANY AND ALL ERRORS, DISCREPANCIES, AND "MISSED" ITEMS ARE TO BE BROUGHT TO THE ATTENTION OF THE VERIZON WIRELESS CONSTRUCTION MANAGER DURING THE BIDDING PROCESS BY THE CONTRACTOR. ALL THESE ITEMS ARE TO BE INCLUDED IN THE BID. NO "EXTRA" WILL BE ALLOWED FOR MISSED ITEMS.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ON-SITE SAFETY FROM THE TIME THE JOB IS AWARDED UNTIL ALL WORK IS COMPLETE AND ACCEPTED BY THE OWNER.
15. CONTRACTOR TO REVIEW ALL SHOP DRAWINGS AND SUBMIT COPY TO ENGINEER FOR APPROVAL. DRAWINGS MUST BEAR THE CHECKER'S INITIALS BEFORE SUBMITTING TO THE CONSTRUCTION MANAGER FOR REVIEW.
16. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, ANGLES, AND EXISTING CONDITIONS AT THE SITE, PRIOR TO FABRICATION AND/OR INSTALLATION OF ANY WORK IN THE CONTRACT AREA.
17. COORDINATION, LAYOUT, FURNISHING AND INSTALLATION OF CONDUIT AND ALL APPURTENANCES REQUIRED FOR PROPER INSTALLATION OF ELECTRICAL AND TELECOMMUNICATION SERVICE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
18. ALL EQUIPMENT AND PRODUCTS PURCHASED ARE TO BE REVIEWED BY CONTRACTOR AND ALL APPLICABLE SUB- CONTRACTORS FOR ANY CONDITION PER THE MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO SUPPLY THESE ITEMS AT NO COST TO OWNER OR CONSTRUCTION MANAGER.
19. ALL DAMAGE CAUSED TO ANY EXISTING STRUCTURE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR WILL BE HELD LIABLE FOR ALL REPAIRS REQUIRED FOR EXISTING STRUCTURES IF DAMAGED DURING CONSTRUCTION ACTIVITIES.
20. THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" AT LEAST 48 HOURS PRIOR TO ANY EXCAVATIONS AT 1-800-922-4455. ALL UTILITIES SHALL BE IDENTIFIED AND CLEARLY MARKED PRIOR TO ANY EXCAVATION WORK. CONTRACTOR SHALL MAINTAIN AND PROTECT MARKED UTILITIES THROUGHOUT PROJECT COMPLETION.

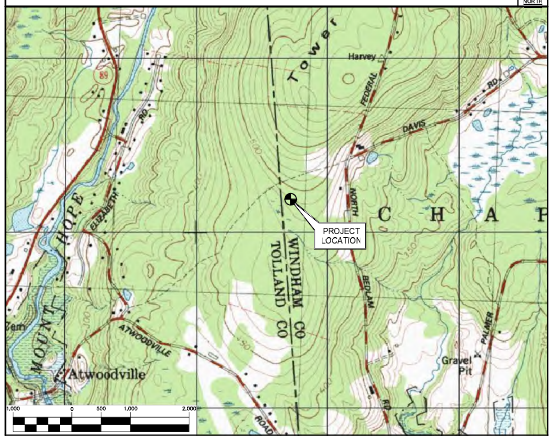
SITE DIRECTIONS

FROM: 20 ALEXANDER DRIVE, WALLINGFORD, CONNECTICUT **TO:** 203 DAVIS RD, CHAPLIN, CT 06235

1.	START OUT GOING NORTH ON ALEXANDER DR TOWARD BARNES INDUSTRIAL RD.	0.18 MI
2.	TURN RIGHT ONTO BARNES INDUSTRIAL RD.	0.11 MI
3.	TAKE THE 1ST LEFT ONTO CT-68.	0.35 MI
4.	TURN RIGHT ONTO RAMP.	0.17 MI
5.	TURN RIGHT ONTO N COLONY RD/US-5 N.	0.30 MI
6.	MERGE ONTO CT-15 N TOWARD HARTFORD.	3.58 MI
7.	MERGE ONTO I-91 N VIA EXIT 68N-E TOWARD MIDDLETOWN/HARTFORD/CT-66 E.	17.30 MI
8.	MERGE ONTO CT-15 N VIA EXIT 29 TOWARD BOSTON/E HARTFORD/I-84 E.	2.14 MI
9.	CT-15 N BECOMES I-84 E/US-6 E.	1.52 MI
10.	MERGE ONTO I-384 E VIA EXIT 59 TOWARD PROVIDENCE.	8.65 MI
11.	I-384 E BECOMES BOSTON TURNPIKE/US-6 E/US-44 E.	0.22 MI
12.	TAKE US-6 E TOWARD PROVIDENCE/WILLIMANTIC.	10.84 MI
13.	TURN SLIGHT LEFT ONTO ROUTE 6/US-6 E. CONTINUE TO FOLLOW US-6 E.	5.34 MI
14.	MERGE ONTO BOSTON POST RD/US-6 E TOWARD DANIELSON/WINDHAM AIRPORT/PROVIDENCE.	2.23 MI
15.	TURN LEFT ONTO STATION RD.	0.27 MI
16.	STATION RD BECOMES BATES RD.	0.38 MI
17.	BATES RD BECOMES BASSETTS BRIDGE RD.	0.38 MI
18.	TURN SLIGHT RIGHT ONTO S BEDLAM RD.	2.27 MI
19.	TURN LEFT ONTO DAVIS RD (PORTIONS UNPAVED).	0.19 MI
20.	203 DAVIS RD, CHAPLIN, CT 06235-2333, 203 DAVIS RD IS ON THE LEFT.	

VICINITY MAP

SCALE: 1" = 1000'



PROJECT SUMMARY

1. THE PROPOSED UPGRADE SCOPE OF WORK AT THE EXISTING UNMANNED TELECOMMUNICATIONS FACILITY GENERALLY INCLUDES THE FOLLOWING:

A. AT THE EXISTING MONOPOLE MOUNTED ANTENNA SECTORS:

- ROTATE THE EXISTING VERIZON WIRELESS ANTENNA MOUNTING PLATFORM ASSEMBLY 40° COUNTERCLOCKWISE TO ACCOMMODATE THE PROPOSED ANTENNA AZIMUTHS.
- REPLACE (6) ANDREW ANTENNAS WITH (6) NEW COMMSCOPE JAHH-65B-R3B ANTENNAS ON NEW BSAMNT-SBS-2-2 MOUNTS.
- INSTALL (3) MT6407-77A ALL-IN-ONE ANTENNA/ RRHS.
- REPLACE (6) EXISTING ALCATEL-LUCENT RRHS WITH (3) NEW SAMSUNG B5/B13 RRH-BR04C AND (3) NEW SAMSUNG B2/B66A RRH-BR049.
- INSTALL (3) COMMSCOPE CBC78T-DS-43-2X DIPLEXERS.
- PLUMB 700/ 850/ PCS/ AWS/ L-SUB6 ACCORDING TO THE PLUMBING DIAGRAM.
- USE RF PORTS ON DUAL BAND RRHS TO COMMUNICATE WITH RETS VIA SMART BIAS-T BUILT INTO THE ANTENNA.
- CAP AND WEATHERPROOF UNUSED PORTS/CONNECTORS.

PROJECT INFORMATION

SITE NAME:	MANSFIELD NE CT
SITE ADDRESS:	203 DAVIS RD, CHAPLIN, CT 06235
LESSEE/TENANT:	CELLCO PARTNERSHIP d.b.a. VERIZON WIRELESS 20 ALEXANDER DRIVE WALLINGFORD, CT 06492
CONTACT PERSON:	WALTER CHARCZNSKI (CONSTRUCTION MANAGER) VERIZON WIRELESS (860) 306-1806
ENGINEER:	CENTEK ENGINEERING, INC. 63-2 NORTH BRANFORD RD. BRANFORD, CT. 06405 (203) 488-0580
PROJECT COORDINATES:	LATITUDE: 41°-47'-36.5496"N LONGITUDE: 72°-9'-36.6408"W GROUND ELEVATION: 494'± AMSL COORDINATES AND GROUND ELEVATION PROVIDED BY VERIZON WIRELESS.

SHEET INDEX

SHT. NO.	DESCRIPTION	REV.
T-1	TITLE SHEET	0
N-1	NOTES AND SPECIFICATIONS	0
B-1	RF BILL OF MATERIALS	0
C-1	COMPOUND PLAN AND ELEVATION	0
C-2	ANTENNA SECTOR CONFIGURATION DETAILS	0
C-3	RF DETAILS	0
E-1	ELECTRICAL DETAILS AND SPECIFICATIONS	0

REV.	DATE	DRAWN BY	CHK'D BY	DESCRIPTION
0	07/19/21	DMD	TJL	CONSTRUCTION DRAWINGS - ISSUED FOR CONSTRUCTION
A	06/22/21	DMD	TJL	PRELIMINARY CONSTRUCTION DRAWINGS - REVISED PER COMMENTS
	05/14/21	LGL	DMD	PRELIMINARY CONSTRUCTION DRAWINGS - ISSUED FOR CLIENT REVIEW

PROFESSIONAL ENGINEER SEAL

verizon

CENTEK engineering
Centered on Solutions
(203) 488-0580
(203) 488-8587 Fax
63-2 North Branford Road
Branford, CT 06405
www.CentekEng.com

Cellco Partnership d/b/a Verizon Wireless

MANSFIELD NE CT

203 DAVIS ROAD,
CHAPLIN, CT 06235

DATE: 05/14/21
SCALE: AS NOTED
JOB NO. 21007.20

TITLE SHEET

T-1

Sheet No. 1 of 7

NOTES AND SPECIFICATIONS

DESIGN BASIS:

GOVERNING CODE: 2015 INTERNATIONAL BUILDING (IBC) AS MODIFIED BY THE 2018 CT STATE BUILDING CODE AND AMENDMENTS.

1. DESIGN CRITERIA:

- RISK CATEGORY: II (BASED ON TABLE 1604.5 OF THE 2015 IBC)
- NOMINAL DESIGN WIND SPEED (TOWER): 101 MPH (Vasd) (EXPOSURE B/IMPORTANCE FACTOR 1.0 BASED ON ASCE 7-10) PER 2015 INTERNATIONAL BUILDING CODE (IBC) AS MODIFIED BY THE 2018 CONNECTICUT STATE BUILDING CODE.
- SEISMIC LOAD (DOES NOT CONTROL): PER ASCE 7-10 MINIMUM DESIGN LOADS FOR BUILDING AND OTHER STRUCTURES.

GENERAL NOTES:

1. ALL CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE GOVERNING BUILDING CODE.
2. DRAWINGS INDICATE THE MINIMUM STANDARDS, BUT IF ANY WORK SHOULD BE INDICATED TO BE SUBSTANDARD TO ANY ORDINANCES, LAWS, CODES, RULES, OR REGULATIONS BEARING ON THE WORK, THE CONTRACTOR SHALL INCLUDE IN HIS WORK AND SHALL EXECUTE THE WORK CORRECTLY IN ACCORDANCE WITH SUCH ORDINANCES, LAWS, CODES, RULES OR REGULATIONS WITH NO INCREASE IN COSTS.
3. BEFORE BEGINNING THE WORK, THE CONTRACTOR IS RESPONSIBLE FOR MAKING SUCH INVESTIGATIONS CONCERNING PHYSICAL CONDITIONS (SURFACE AND SUBSURFACE) AT OR CONTIGUOUS TO THE SITE WHICH MAY AFFECT PERFORMANCE AND COST OF THE WORK.
4. DIMENSIONS AND DETAILS SHALL BE CHECKED AGAINST EXISTING FIELD CONDITIONS.
5. THE CONTRACTOR SHALL VERIFY AND COORDINATE THE SIZE AND LOCATION OF ALL OPENINGS, SLEEVES AND ANCHOR BOLTS AS REQUIRED BY ALL TRADES.
6. ALL DIMENSIONS, ELEVATIONS, AND OTHER REFERENCES TO EXISTING STRUCTURES, SURFACE, AND SUBSURFACE CONDITIONS ARE APPROXIMATE. NO GUARANTEE IS MADE FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS, ELEVATIONS, ANGLES WITH EXISTING CONDITIONS AND WITH ARCHITECTURAL AND SITE DRAWINGS BEFORE PROCEEDING WITH ANY WORK.
7. AS THE WORK PROGRESSES, THE CONTRACTOR SHALL NOTIFY THE OWNER OF ANY CONDITIONS WHICH ARE IN CONFLICT OR OTHERWISE NOT CONSISTENT WITH THE CONSTRUCTION DOCUMENTS AND SHALL NOT PROCEED WITH SUCH WORK UNTIL THE CONFLICT IS SATISFACTORILY RESOLVED.
8. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PROVIDING AND MAINTAINING ADEQUATE SHORING, BRACING, AND BARRICADES AS MAY BE REQUIRED FOR THE PROTECTION OF EXISTING PROPERTY, CONSTRUCTION WORKERS, AND FOR PUBLIC SAFETY.
9. THE CONTRACTOR IS SOLELY RESPONSIBLE TO DETERMINE CONSTRUCTION PROCEDURE AND SEQUENCE, AND TO ENSURE THE SAFETY OF THE EXISTING STRUCTURES AND ITS COMPONENT PARTS DURING CONSTRUCTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, BRACING, UNDERPINNING, ETC. THAT MAY BE NECESSARY. MAINTAIN EXISTING SITE OPERATIONS, COORDINATE WORK WITH NORTHEAST UTILITIES
10. ALL DAMAGE CAUSED TO ANY EXISTING STRUCTURE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR WILL BE HELD LIABLE FOR ALL REPAIRS REQUIRED FOR EXISTING STRUCTURES IF DAMAGED DURING CONSTRUCTION ACTIVITIES.
11. REFER TO DRAWING T1 FOR ADDITIONAL NOTES AND REQUIREMENTS.

REV.	DATE	DRAWN BY	CHK'D BY	DESCRIPTION
0	07/19/21	DMD	TJL	CONSTRUCTION DRAWINGS – ISSUED FOR CONSTRUCTION
B	06/22/21	DMD	TJL	PRELIMINARY CONSTRUCTION DRAWINGS – REVISED PER COMMENTS
A	05/14/21	LGL	DMD	PRELIMINARY CONSTRUCTION DRAWINGS – ISSUED FOR CLIENT REVIEW

PROFESSIONAL ENGINEER SEAL

verizon

CENTEK engineering
Centered on Solutions
(203) 488-0580
(203) 488-8587 Fax
63-2 North Branford Road
Branford, CT 06405
www.CentekEng.com

Cellco Partnership d/b/a Verizon Wireless

MANSFIELD NE CT

203 DAVIS ROAD,
CHAPLIN, CT 06235

DATE: 05/14/21
SCALE: AS NOTED
JOB NO. 21007.20

NOTES AND SPECIFICATIONS

N-1

PLUMBING DIAGRAM NOTES:

1. PORTS 1 & 2 ARE FOR LOW BAND (698–896 MHz).
2. PORTS 3, 4, 5 & 5 ARE FOR HIGH BAND (1695–2360 MHz).
3. SMART BIAS TEE (SBT) IS THROUGH ANTENNA PORTS 1 & 3 (1 FOR LOW BAND AND 3 FOR HIGH BAND).
4. AISG CABLE IS ONLY NEEDED WHEN DRAWN IN THE DIAGRAMS ABOVE. IF IT IS NOT DRAWN THEN SBT IS ENOUGH TO CONTROL ALL RET MOTORS.
5. NOT ALL SBT PORTS ARE NEEDED TO CONTROL RET. ONLY GREEN PORT CONNECTION TO GREEN PORT WILL CONTROL RET.

RET DC SIGNAL PASS FOR RET (PORT THAT WILL CONTROL RET)

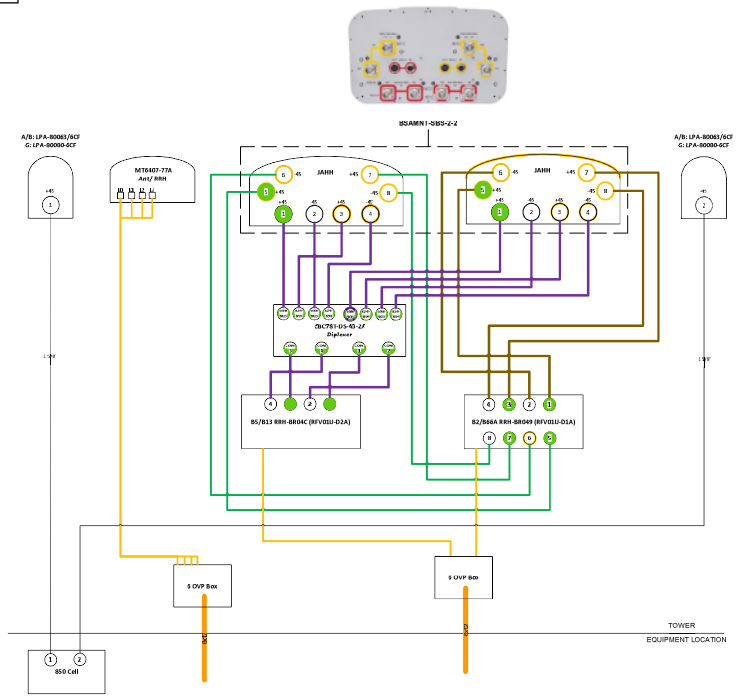
PLUMBING DIAGRAM COMMENTS:

A. DIAGRAMS SHOW ANTENNA PORT CONFIGURATIONS AS VIEWED FROM BELOW ANTENNAS.

B. ANTENNA POSITIONS ARE INDICATED AS VIEWED FROM IN FRONT OF ANTENNAS.

C. CAP AND WEATHERPROOF UNUSED ANTENNA PORTS.

D. ALL PLUMBING DIAGRAM COLORS ARE IRRELEVANT EXCEPT FOR AISG AND HYBRIFLEX CABLE. (FOR THE COAX COLORS, FOLLOW COAX COLORS GUIDE ABOVE)



NOTES:

1. INFORMATION SHOWN HEREIN IS FOR USE BY VERIZON WIRELESS EQUIPMENT OPERATIONS.
2. THIS B.O.M. DRAWING IS BASED ON FACILITY UPGRADE DESIGN DRAWINGS PREPARED BY CENTEK ENGINEERING (REV.B DATED: 06.22.21), & VERIZON WIRELESS RF ANTENNA EQUIPMENT RECOMMENDATION (DATED 02.19.21).

BILL OF MATERIALS

TECHNOLOGY	QUANTITY	ANTENNA
LTE 700	6	ANDREW ANTENNA MODEL: JAHH-65B-R3B
LTE 850		
LTE PCS 1900		
LTE AWS 2100		
5G	3	SAMSUNG ANTENNA MODEL: MT6407-77A

CABLES	QUANTITY	LENGTH	COMMENTS
–	–	–	–

RADIOS	QUANTITY	COMMENTS
LTE 700	3	SAMSUNG MODEL: B5/B13 RRH-BR04C
LTE 850		
LTE PCS 1900	3	SAMSUNG MODEL: B2/B66A RRH-BR049
LTE AWS 2100		
5G	3	INTEGRATED INTO MT6407-77A

DIPLEXERS	QUANTITY	COMMENTS
LTE 700	3	COMMSCOPE MODEL: CBC78T-DS-43-2X
LTE 850		

OVP BOXES	QUANTITY	COMMENTS
–	–	–

ANTENNA MOUNT	QUANTITY	COMMENTS
SIDE-BY-SIDE MOUNTING KIT	3	COMMSCOPE MODEL: BASMNT-SBS-2-2

REFER TO FINAL VERIZON WIRELESS MOUNT MODIFICATION DESIGN PREPARED BY MASER CONSULTING CONNECTICUT DATED 04/20/2021 FOR ANTENNA MOUNT MODIFICATIONS AND ASSOCIATED REQUIRED MATERIALS.

REV.	DATE	DRAWN BY	CHK'D BY	DESCRIPTION
0	07/19/21	DMD	TJL	CONSTRUCTION DRAWINGS – ISSUED FOR CONSTRUCTION
A	06/22/21	DMD	TJL	PRELIMINARY CONSTRUCTION DRAWINGS – REVISED PER COMMENTS
B	05/14/21	LGL	DMD	PRELIMINARY CONSTRUCTION DRAWINGS – ISSUED FOR CLIENT REVIEW

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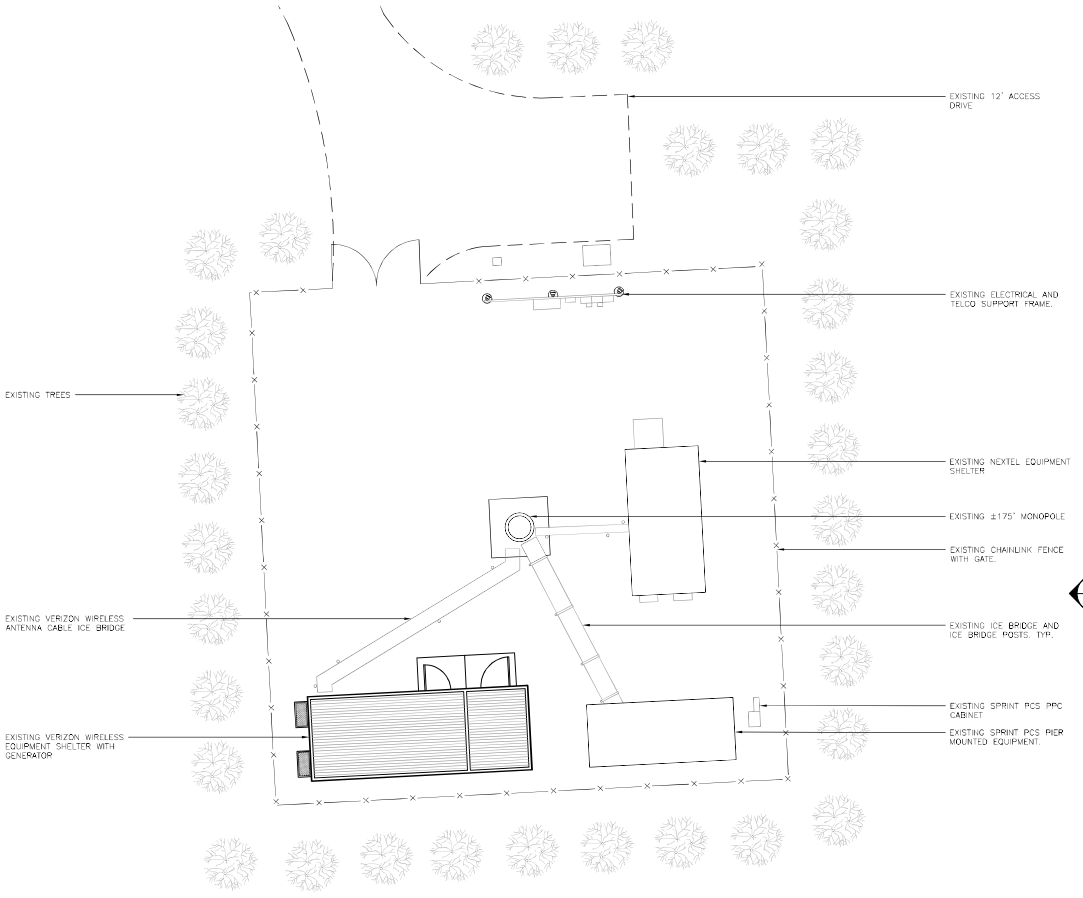
RF BILL OF MATERIALS

B-1

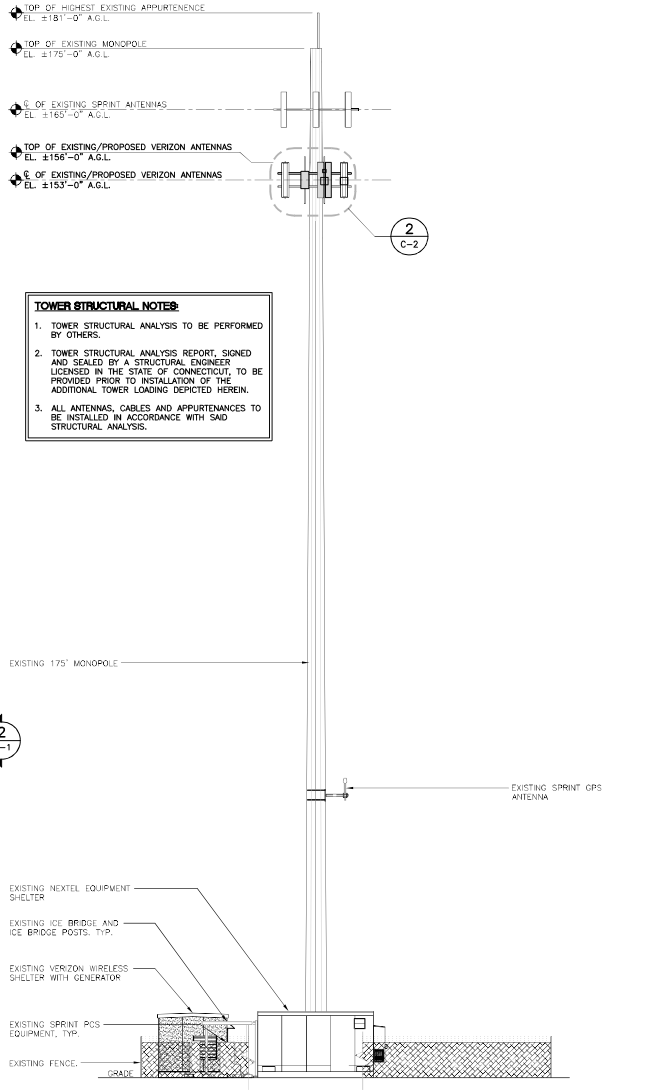
Sheet No. 3 of 7



1 C-1 **COMPOUND PLAN - PROPOSED**
SCALE: 1" = 8'-0"

TRUE NORTH

GRAPHIC SCALE
(IN FEET)
1 inch = 8 ft.



TOWER STRUCTURAL NOTES:

1. TOWER STRUCTURAL ANALYSIS TO BE PERFORMED BY OTHERS.
2. TOWER STRUCTURAL ANALYSIS REPORT, SIGNED AND SEALED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF CONNECTICUT, TO BE PROVIDED PRIOR TO INSTALLATION OF THE ADDITIONAL TOWER LOADING DEPICTED HEREIN.
3. ALL ANTENNAS, CABLES AND APPURTENANCES TO BE INSTALLED IN ACCORDANCE WITH SAID STRUCTURAL ANALYSIS.

2 C-1 **EAST ELEVATION - PROPOSED**
SCALE: 1" = 10'-0"

GRAPHIC SCALE
(IN FEET)
1 inch = 10 ft.

REV.	DATE	DRAWN BY	CHK'D BY	DESCRIPTION
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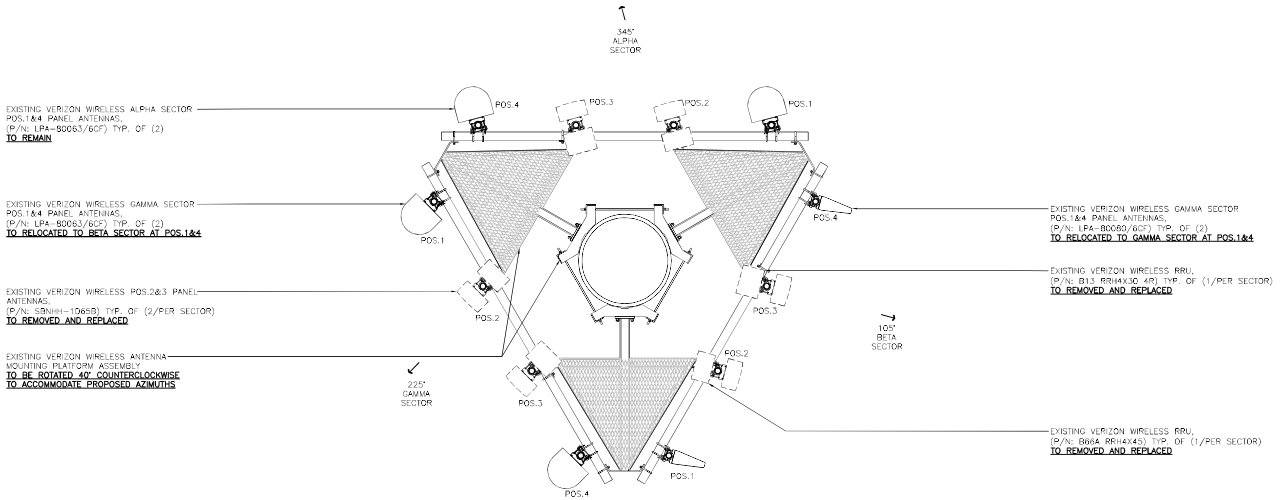
COMPOUND PLAN AND ELEVATION

C-1

Sheet No. 4 of 7

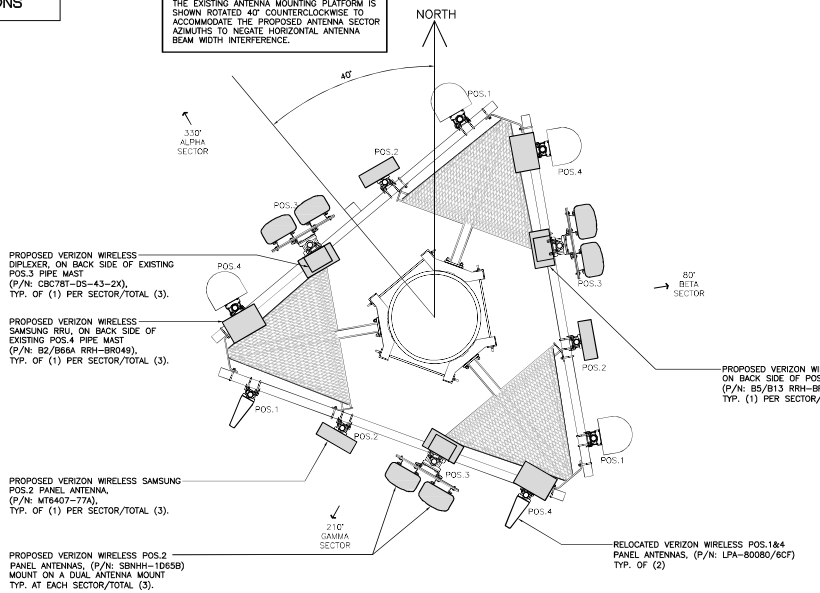
EXISTING ANTENNA CONFIGURATIONS



1 C-2 **EXISTING SECTOR CONFIGURATION PLAN**
SCALE: 1/2" = 1'-0"
APPROXIMATE NORTH

PROPOSED ANTENNA CONFIGURATIONS

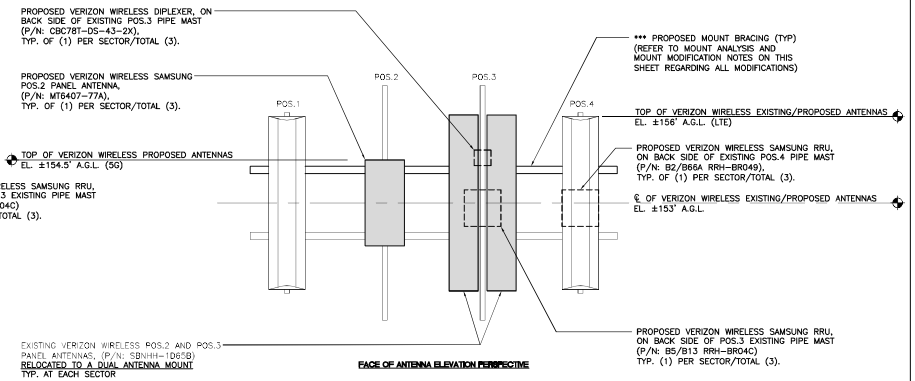
ANTENNA PLATFORM ASSEMBLY ROTATION NOTE: THE EXISTING ANTENNA MOUNTING PLATFORM IS SHOWN ROTATED 40° COUNTERCLOCKWISE TO ACCOMMODATE THE PROPOSED ANTENNA SECTOR AZIMUTHS TO NEGATE HORIZONTAL ANTENNA BEAM WIDTH INTERFERENCE.



1A C-2 **PROPOSED SECTOR CONFIGURATION PLAN**
SCALE: 1/2" = 1'-0"
APPROXIMATE NORTH

ANTENNA MOUNT ANALYSIS AND MOD NOTES:

1. REFER TO PASSING VERIZON WIRELESS MOUNT ANALYSIS REPORT PREPARED BY MASER CONSULTING CONNECTICUT DATED 04/20/2021 FOR ADDITIONAL INFORMATION.
2. REFER TO FINAL VERIZON WIRELESS MOUNT MODIFICATION DESIGN PREPARED BY MASER CONSULTING CONNECTICUT DATED 04/21/2021 FOR ANTENNA MOUNT MODIFICATIONS.



FACE OF ANTENNA ELEVATION PERSPECTIVE

TYPICAL SECTOR

2 C-2 **PROPOSED SECTOR CONFIGURATION ELEVATION**
SCALE: 1/2" = 1'-0"

NO.	DESCRIPTION	DRAWN BY	CHK'D BY	DATE
0	PRELIMINARY CONSTRUCTION DRAWINGS - ISSUED FOR CLIENT REVIEW	LGL	DMD	05/14/21
A	PRELIMINARY CONSTRUCTION DRAWINGS - REVISED PER COMMENTS	DMD	TJL	06/22/21
B	CONSTRUCTION DRAWINGS - ISSUED FOR CONSTRUCTION	DMD	TJL	07/19/21

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ANTENNA SECTOR CONFIGURATION DETAILS

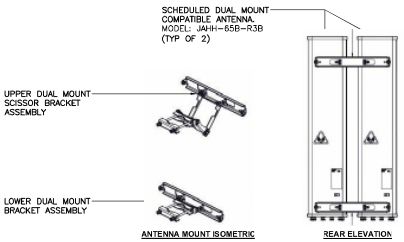
C-2

Sheet No. 5 of 7

ANTENNA FRONT

SECTOR ANTENNA		
EQUIPMENT	DIMENSIONS	WEIGHT
MAKE: SAMSUNG MODEL: MT6407-77A	35.1"h x 16.1"W x 5.5"D (NOT TO EXCEED)	87 LBS. (NOT TO EXCEED)
CLEARANCES AND SERVICE AREA		
TOP: 31.5"	HORIZONTAL DISTANCE: 31.5" (ANT. TO ANT.)	
FRONT, SIDES & BOTTOM: 15.7"	VERTICAL DISTANCE: 63.0" (ANT. TO ANT.)	
NOTES: 1. THIS ANTENNA HAS ITS OWN BUILT-IN RRH.		

1 C-3 **SECTOR ANTENNA DETAIL**
NOT TO SCALE



ANTENNA MOUNT ISOMETRIC REAR ELEVATION

DUAL ANTENNA MOUNTING KIT	
EQUIPMENT	DESCRIPTION
MOUNT MAKE: COMMSCOPE MODEL: BASMNT-SBS-2-2	• SIDE-BY-SIDE MOUNTING KIT, ACCOMMODATES (2) COMPATABLE ANTENNAS • ACCOMMODATES MAST DIAMETERS FROM 2.375" TO 4.5" (O.D.)

2 C-3 **DUAL ANTENNA MOUNT DETAIL**
NOT TO SCALE

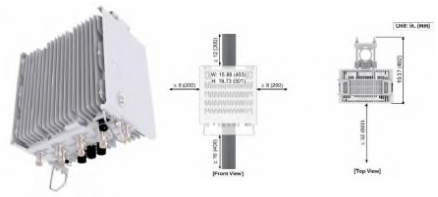
ELEVATION - ISOMETRIC BOTTOM

8-PORT SECTOR ANTENNA		
EQUIPMENT	DIMENSIONS	WEIGHT
MAKE: COMMSCOPE MODEL: JAHH-65B-R3B	72.0"L x 13.8"W x 8.2"D	64.4 LBS. (W/OUT MOUNT KIT)

3 C-3 **SECTOR ANTENNA DETAIL**
NOT TO SCALE

DIPLEXER			
EQUIPMENT	DESCRIPTION	DIMENSIONS	WEIGHT
MAKE: COMMSCOPE MODEL: CBC78T-DS-43-2X	4 PACK DIPLEXER 700MHz/850MHz	6.4"H x 6.9"W x 9.6"D	21.8 LBS. (W/MNTG HDWR)
NOTES: 1. CONTRACTOR TO COORDINATE FINAL EQUIPMENT MODEL SELECTION WITH VERIZON WIRELESS CONSTRUCTION MANAGER PRIOR TO ORDERING.			

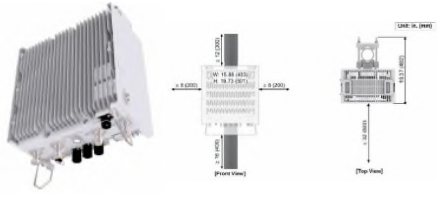
4 C-3 **DIPLEXER DETAIL**
NOT TO SCALE



RRH ISOMETRIC RRH CLEARANCES

DUAL BAND RRU (REMOTE RADIO UNIT)			
EQUIPMENT	BANDS	DIMENSIONS	WEIGHT
MAKE: SAMSUNG MODEL: B2/B66A RRH-BR049 (RFV01U-D1A)	B2: PCS (1900 MHz) B66: AWS (2100 MHz)	15.0"H x 15.0"W x 10.0"D	84.4 LBS.
NOTES: 1. CONTRACTOR TO COORDINATE FINAL EQUIPMENT MODEL SELECTION WITH VERIZON WIRELESS CONSTRUCTION MANAGER PRIOR TO ORDERING.			

5 C-3 **DUAL-BAND AWS/PCS RADIO UNIT DETAIL**
NOT TO SCALE



RRH ISOMETRIC RRH CLEARANCES

DUAL BAND RRU (REMOTE RADIO UNIT)			
EQUIPMENT	BANDS	DIMENSIONS	WEIGHT
MAKE: SAMSUNG MODEL: B5/B13 RRH-BR04C (RFV01U-D2A)	B5: 850 MHz B13: 700 MHz	15.0"H x 15.0"W x 8.1"D	70.3 LBS.
NOTES: 1. CONTRACTOR TO COORDINATE FINAL EQUIPMENT MODEL SELECTION WITH VERIZON WIRELESS CONSTRUCTION MANAGER PRIOR TO ORDERING.			

6 C-3 **DUAL-BAND 700/850 MHZ RADIO UNIT DETAIL**
NOT TO SCALE

REV.	DATE	DRAWN BY	CHK'D BY	DESCRIPTION
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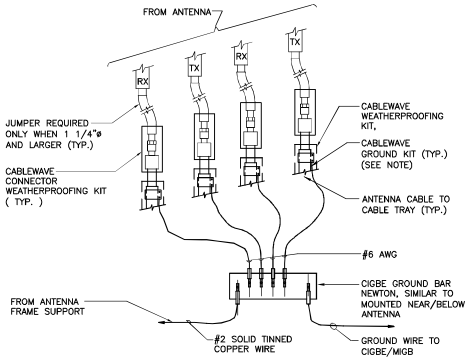
RF DETAILS

C-3

Sheet No. 6 of 7

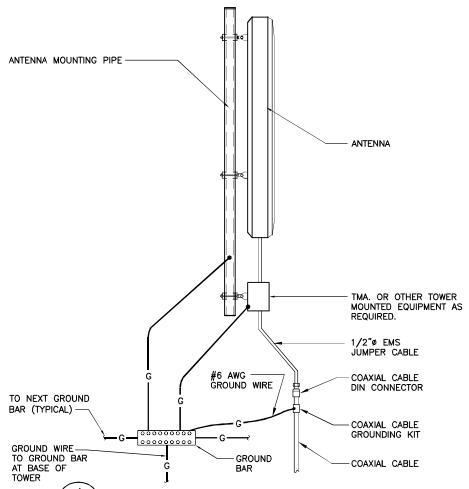


NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO CIGBE

1 E-1 CONNECTION OF GROUND WIRES TO GROUND BAR

NOT TO SCALE

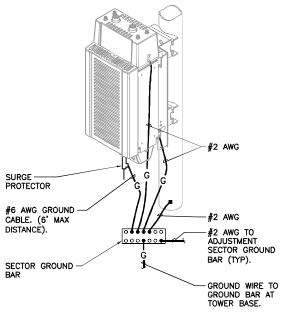


4 E-1 TYPICAL ANTENNA GROUNDING DETAIL

NOT TO SCALE

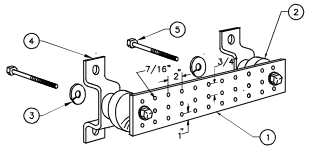
EACH RRH CABINET SHALL BE GROUNDED IN THE FOLLOWING MANNER:

1. AT TOP OF THE CABINET
2. AT RIGHT SIDE OF THE CABINET.



2 E-1 RRH POLE MOUNT GROUNDING

NOT TO SCALE

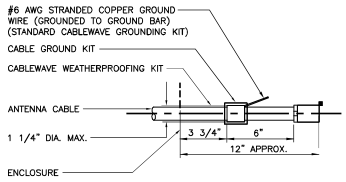


NOTES

1. TINNED COPPER GROUND BAR, 1/4" x 4" x 20", NEWTON INSTRUMENT CO. HOLE CENTERS TO MATCH NEMA DOUBLE LUG CONFIGURATION.
2. INSULATORS, NEWTON INSTRUMENT CAT. NO. 3061-4.
3. 5/8" LOCK WASHERS, NEWTON INSTRUMENT CO. CAT. NO. 3015-8.
4. WALL MOUNTING BRACKET, NEWTON INSTRUMENT CO. CAT NO. A-6056.
5. 5/8-11 x 1" STAINLESS STEEL TRUSS SPANNER MACHINE SCREWS.

5 E-1 GROUND BAR DETAIL

NOT TO SCALE



NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.

3 E-1 ANTENNA CABLE GROUNDING DETAIL

NOT TO SCALE

ELECTRICAL SPECIFICATIONS

SECTION 16010

1.01. SCOPE OF WORK

A. WORK SHALL INCLUDE ALL LABOR, EQUIPMENT AND SERVICES REQUIRED TO COMPLETE (MAKE READY FOR OPERATION) ALL THE ELECTRICAL WORK INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:

1. CELLULAR GROUNDING SYSTEMS CONSISTING OF ANTENNA GROUNDING, GROUND BARS, ETC.

1.02. GENERAL REQUIREMENTS

A. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE MADE IN STRICT ACCORDANCE WITH ALL LOCAL, STATE AND NATIONAL CODES AND REGULATIONS WHICH MAY APPLY AND NOTHING IN THE DRAWINGS OR SPECIFICATIONS SHALL BE INTERPRETED AS AN INFRINGEMENT OF SUCH CODES OR REGULATIONS.

B. THE ELECTRICAL CONTRACTOR IS TO BE RESPONSIBLE FOR THE COMPLETE INSTALLATION AND COORDINATION OF THE ENTIRE ELECTRICAL SERVICE. ALL ACTIVITIES TO BE COORDINATED THROUGH OWNERS REPRESENTATIVE, DESIGN ENGINEER AND OTHER AUTHORITIES HAVING JURISDICTION OF TRADES.

C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND PAY ALL FEES THAT MAY BE REQUIRED FOR THE ELECTRICAL WORK AND FOR SCHEDULING OF ALL INSPECTIONS THAT MAY BE REQUIRED BY THE LOCAL AUTHORITY.

D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH THE BUILDING OWNER FOR NEW AND/OR DEMOLITION WORK INVOLVED.

E. NO MATERIAL OTHER THAN THAT CONTAINED IN THE "LATEST LIST OF ELECTRICAL FITTINGS" APPROVED BY THE UNDERWRITERS' LABORATORIES, SHALL BE USED IN ANY PART OF THE WORK. ALL MATERIAL FOR WHICH LABEL SERVICE HAS BEEN ESTABLISHED SHALL BEAR THE U.L. LABEL.

F. THE CONTRACTOR SHALL GUARANTEE ALL NEW WORK FOR A PERIOD OF ONE YEAR FROM THE ACCEPTANCE DATE BY THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WARRANTIES FROM ALL EQUIPMENT MANUFACTURERS FOR SUBMISSION TO THE OWNER.

G. DRAWINGS INDICATE GENERAL ARRANGEMENT OF WORK INCLUDED IN CONTRACT. CONTRACTOR SHALL, WITHOUT EXTRA CHARGE, MAKE MODIFICATIONS TO THE LAYOUT OF THE WORK TO PREVENT CONFLICT WITH WORK OF OTHER TRADES AND FOR THE PROPER INSTALLATION OF WORK. CHECK ALL DRAWINGS AND VISIT JOB SITE TO VERIFY SPACE AND TYPE OF EXISTING CONDITIONS IN WHICH WORK WILL BE DONE, PRIOR TO SUBMITTAL OF BID.

H. THE ELECTRICAL CONTRACTOR SHALL SUPPLY THREE (3) COMPLETE SETS OF APPROVED DRAWINGS, ENGINEERING DATA SHEETS, MAINTENANCE AND OPERATING INSTRUCTION MANUALS FOR ALL SYSTEMS AND THEIR RESPECTIVE EQUIPMENT. THESE MANUALS SHALL BE INSERTED IN VINYL COVERED 3-RING BINDERS AND TURNED OVER TO OWNER'S REPRESENTATIVE ONE (1) WEEK PRIOR TO FINAL PUNCH LIST.

I. ALL WORK SHALL BE INSTALLED IN A NEAT AND WORKMAN LIKE MANNER AND WILL BE SUBJECT TO THE APPROVAL OF THE OWNER'S REPRESENTATIVE.

J. ALL EQUIPMENT AND MATERIALS TO BE INSTALLED SHALL BE NEW, UNLESS OTHERWISE NOTED.

K. BEFORE FINAL PAYMENT, THE CONTRACTOR SHALL PROVIDE A COMPLETE SET OF PRINTS (AS-BUILTS), LEGIBLY MARKED IN RED PENCIL TO SHOW ALL CHANGES FROM THE ORIGINAL PLANS.

L. ENTIRE ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH OWNER'S SPECIFICATIONS, AND REQUIREMENTS OF ALL LOCAL AUTHORITIES HAVING JURISDICTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH APPROPRIATE INDIVIDUALS TO OBTAIN ALL SUCH SPECIFICATIONS AND REQUIREMENTS. NOTHING CONTAINED IN, OR OMITTED FROM, THESE DOCUMENTS SHALL RELIEVE CONTRACTOR FROM THIS OBLIGATION.

SECTION 16450

1.01. GROUNDING

A. ALL NON-CURRENT CARRYING PARTS OF THE ELECTRICAL AND TELEPHONE CONDUIT SYSTEMS SHALL BE MECHANICALLY AND ELECTRICALLY CONNECTED TO PROVIDE AN INDEPENDENT RETURN PATH TO THE EQUIPMENT GROUNDING SOURCES.

B. GROUNDING SYSTEM WILL BE IN ACCORDANCE WITH THE LATEST ACCEPTABLE EDITION OF THE NATIONAL ELECTRICAL CODE AND REQUIREMENTS PER LOCAL INSPECTOR HAVING JURISDICTION.

C. EQUIPMENT GROUNDING CONDUCTOR:

1. EACH EQUIPMENT GROUND CONDUCTOR SHALL BE SIZED IN ACCORDANCE WITH THE N.E.C. ARTICLE 250-122.

2. THE MINIMUM SIZE OF EQUIPMENT GROUND CONDUCTOR SHALL BE #12 AWG COPPER.

D. CELLULAR GROUNDING SYSTEM:

PROVIDE THE CELLULAR GROUNDING SYSTEM AS SPECIFIED ON DRAWINGS, INCLUDING, BUT NOT LIMITED TO:

1. GROUND BARS
2. ANTENNA GROUND CONNECTIONS AND PLATES.

E. ALL EQUIPMENT SHALL BE BONDED TO GROUND AS REQUIRED BY N.E.C., MFG. SPECIFICATIONS, AND OWNER'S SPECIFICATIONS.

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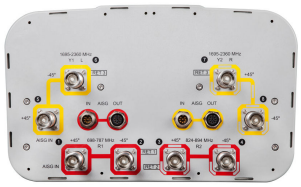
ELECTRICAL DETAILS AND SPECIFICATIONS

E-1

Sheet No. 7 of 7

JAHH-65B-R3B



8-port sector antenna, 2x 698–787, 2x 824-894 and 4x 1695–2360 MHz, 65° HPBW, 3x RET and low bands have diplexers. Internal SBT's on first LB(Port 1) and first HB(Port 5).

- Internal SBT on low and high band allow remote RET control from the radio over the RF jumper cable
- One RET for 700MHz, one RET for 850MHz, and one RET for both high bands to ensure same tilt level for 4x Rx or 4x MIMO
- Internal filter on low band and interleaved dipole technology providing for attractive, low wind load mechanical package
- Separate RS-485 RET input/output for low and high band

General Specifications

Antenna Type	Sector
Band	Multiband
Color	Light gray
Effective Projective Area (EPA), frontal	0.28 m^2 | 3.014 ft^2
Effective Projective Area (EPA), lateral	0.24 m^2 | 2.583 ft^2
Grounding Type	RF connector body grounded to reflector and mounting bracket
Performance Note	Outdoor usage | Wind loading figures are validated by wind tunnel measurements described in white paper WP-112534-EN
Radome Material	Fiberglass, UV resistant
Radiator Material	Aluminum | Low loss circuit board
Reflector Material	Aluminum
RF Connector Interface	4.3-10 Female
RF Connector Location	Bottom
RF Connector Quantity, high band	4
RF Connector Quantity, low band	4
RF Connector Quantity, total	8

Remote Electrical Tilt (RET) Information, General

RET Interface	8-pin DIN Female | 8-pin DIN Male
RET Interface, quantity	2 female | 2 male

Dimensions

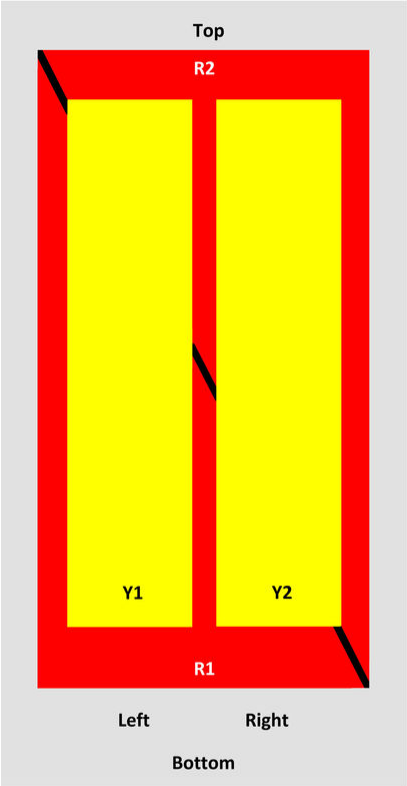
Width	350 mm | 13.78 in

JAHH-65B-R3B

Length	1828 mm | 71.969 in
Depth	208 mm | 8.189 in

Array Layout

JAHH-65A-R3B JAHH-65B-R3B JAHH-65C-R3B



Array	Freq (MHz)	Conns	RET (SRET)	AISG RET UID
R1	698-798	1-2	1	ANxxxxxxxxxxxxxxx1
R2	824-894	3-4	2	ANxxxxxxxxxxxxxxx2
Y1	1695-2360	5-6	3	ANxxxxxxxxxxxxxxx3
Y2	1695-2360	7-8		

View from the front of the antenna

(Sizes of colored boxes are not true depictions of array sizes)

Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1695 – 2360 MHz | 698 – 787 MHz | 824 – 894 MHz
Polarization	±45°

Remote Electrical Tilt (RET) Information, Electrical

Protocol	3GPP/AISG 2.0 (Single RET)
Power Consumption, idle state, maximum	2 W

JAHH-65B-R3B

Power Consumption, normal conditions, maximum	13 W
Input Voltage	10–30 Vdc
Internal Bias Tee	Port 1 | Port 5
Internal RET	High band (1) | Low band (2)

Electrical Specifications

Frequency Band, MHz	**698–787**	**824–894**	**1695–1880**	**1850–1990**	**1920–2200**	**2300–2360**
Gain, dBi	14.5	15.8	18	18.4	18.5	18.8
Beamwidth, Horizontal, degrees	67	65	63	63	65	68
Beamwidth, Vertical, degrees	12.4	10.5	5.7	5.2	4.9	4.4
Beam Tilt, degrees	2–14	2–14	0–10	0–10	0–10	0–10
USLS (First Lobe), dB	18	18	20	20	21	23
Front-to-Back Ratio at 180°, dB	32	34	31	35	36	38
Isolation, Cross Polarization, dB	25	25	25	25	25	25
Isolation, Inter-band, dB	30	30	30	30	30	30
VSWR | Return loss, dB	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153	-153	-153
Input Power per Port at 50° C, maximum, watts	200	200	300	300	300	250

Electrical Specifications, BASTA

Frequency Band, MHz	**698–787**	**824–894**	**1695–1880**	**1850–1990**	**1920–2200**	**2300–2360**
Gain by all Beam Tilts, average, dBi	14.3	14.9	17.6	18.1	18.2	18.5
Gain by all Beam Tilts Tolerance, dB	±0.3	±0.5	±0.6	±0.4	±0.5	±0.6
Gain by Beam Tilt, average, dBi	2 ° | 14.3 8 ° | 14.3 14 ° | 14.3	2 ° | 15.0 8 ° | 14.9 14 ° | 15.4	0 ° | 17.2 5 ° | 17.6 10 ° | 17.6	0 ° | 17.6 5 ° | 18.2 10 ° | 18.2	0 ° | 17.7 5 ° | 18.3 10 ° | 18.3	0 ° | 17.9 5 ° | 18.7 10 ° | 18.7
Beamwidth, Horizontal Tolerance, degrees	±1.2	±1.4	±4	±2.4	±2.9	±2.7
Beamwidth, Vertical Tolerance, degrees	±0.9	±0.5	±0.3	±0.2	±0.3	±0.1
USLS, beampeak to 20° above beampeak, dB	18	17	17	18	19	18
Front-to-Back Total Power at 180° ± 30°, dB	25	24	26	29	27	29
CPR at Boresight, dB	22	23	20	21	21	24

JAHH-65B-R3B

CPR at Sector, dB	11	12	11	11	11	8

Mechanical Specifications

Wind Loading at Velocity, frontal	301.0 N @ 150 km/h | 67.7 lbf @ 150 km/h
Wind Loading at Velocity, lateral	254.0 N @ 150 km/h | 57.1 lbf @ 150 km/h
Wind Loading at Velocity, maximum	143.4 lbf @ 150 km/h | 638.0 N @ 150 km/h
Wind Speed, maximum	241 km/h | 149.75 mph

Packaging and Weights

Width, packed	456 mm | 17.953 in
Depth, packed	357 mm | 14.055 in
Length, packed	1975 mm | 77.756 in
Net Weight, without mounting kit	29.2 kg | 64.375 lb
Weight, gross	42.5 kg | 93.696 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Above maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
ROHS	Compliant/Exempted

Included Products

BSAMNT-3	Wide Profile Antenna Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor top bracket set and one bottom bracket set.

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance

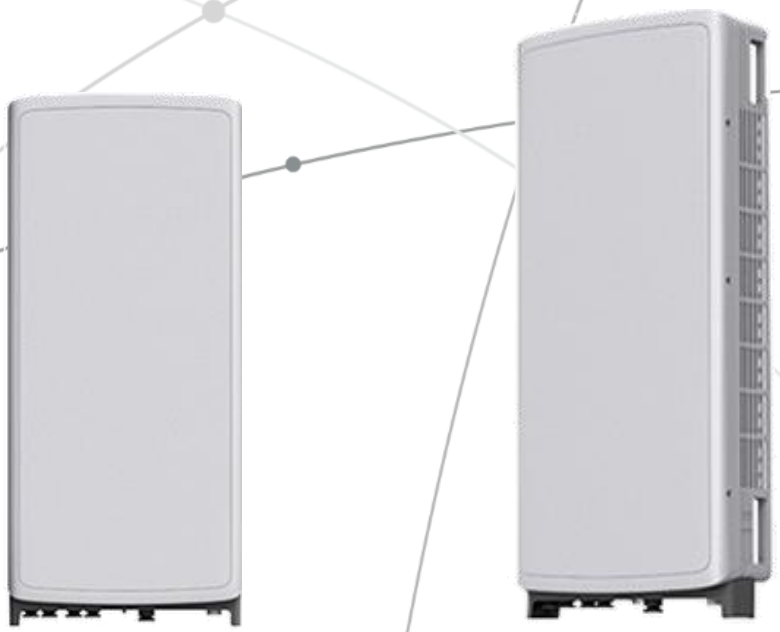
SAMSUNG

SAMSUNG C-Band 64T64R Massive MIMO Radio

for High Capacity and Wide Coverage

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

Model Code : MT6407-77A

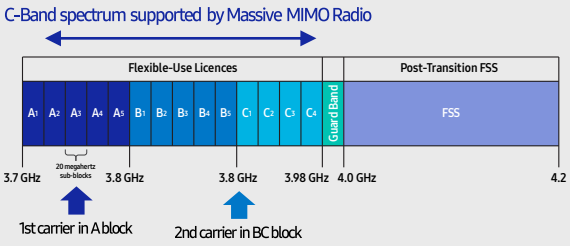


Points of Differentiation

Wide Bandwidth

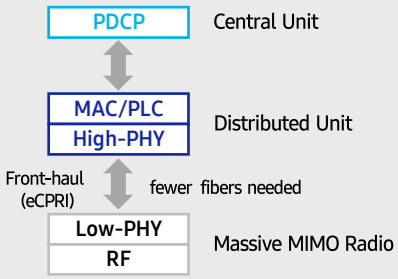
With capability to support up to 2 CC carrier configuration, Samsung C-Band massive MIMO Radio supports 200 MHz bandwidth in the C-Band spectrum.

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



Future Proof Product

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



Enhanced Performance

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

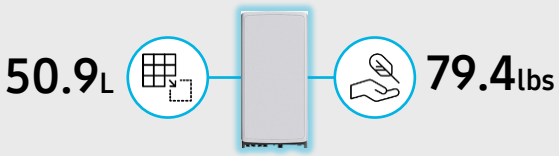
This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

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

Well Matched Design

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

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



Technical Specifications

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

SAMSUNG

About Samsung Electronics Co., Ltd.

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

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

SAMSUNG

Dual-Band Radio Unit
700/850MHz (B13/B5)
RFV01U-D2A

Samsung's RFV01U-D2A is a compact remote Radio Unit (RU) designed for deployments that require flexibility in installation and rapid onlining, without compromising on coverage, capacity or operational expenses.

The RFV01U-D2A RU targets dual-band support across Band 13 (700MHz) and Band 5 (850MHz), making it an ideal product for broad coverage footprints across multiple common low-end, long-range frequencies.

The RU handles all Radio Frequency (RF) processing in a single, compact unit, and is designed to interface via CPRI with Samsung's CDU baseband offerings, in both distributed- and central-RAN configurations.

In addition to its minimal footprint and ease of installation, the RU is also designed to reduce cost of ownership through its integrated spectrum analyzer, which allows for remote RF monitoring, greatly reducing the need for on-site maintenance visits.

Features and Benefits

- Dual-band support for broad frequency coverage
- Minimal footprint reduces site costs
- Rapid, easy installation
- Flexibly deployable in any location
- Remote RF monitoring capability
- Convection cooled, silent operation

Key Technical Specifications

Duplex Type: FDD
Operating Frequencies:
B13: DL(746-756MHz)/UL(777-787MHz)
B5: DL(869-894MHz)/UL(824-849MHz)
Instantaneous Bandwidth: 10MHz(B13) + 25MHz(B5)
RF Chain: 4T4R/2T4R/2T2R
Output Power: Total 320W
DU-RU Interface: CPRI (10Gbps)
Dimensions: 380 x 380 x 207mm (29.9L)
Weight: 31.9kg
Input Power: -48V DC
Operating Temp.: -40 - 55°(w/o solar load)
Cooling: Natural convection

SAMSUNG

Dual-Band Radio Unit
AWS/PCS (B66/B2)
RFV01U-D1A

Samsung's RFV01U-D1A is a compact remote Radio Unit (RU) designed for deployments that require flexibility in installation and rapid onlining, without compromising on coverage, capacity or operational expenses.

The RFV01U-D1A RU targets dual-band support across Band 66 (AWS) and Band 2 (PCS), making it an ideal product for broad coverage footprints across multiple common mid-range frequencies.

The RU handles all Radio Frequency (RF) processing in a single, compact unit, and is designed to interface via CPRI with Samsung's CDU baseband offerings, in both distributed- and central-RAN configurations.

In addition to its minimal footprint and ease of installation, the RU is also designed to reduce cost of ownership through its integrated spectrum analyzer, which allows for remote RF monitoring, greatly reducing the need for on-site maintenance visits.

Features and Benefits

- Dual-band support for broad frequency coverage
- Minimal footprint reduces site costs
- Rapid, easy installation
- Flexibly deployable in any location
- Remote RF monitoring capability
- Convection cooled, silent operation
- Built-in Broadcast Auxiliary Services (BAS) filter ensures compliant AWS operation without impacting footprint

Key Technical Specifications

Duplex Type: FDD
Operating Frequencies:
    B66: DL(2,110-2,180MHz)/UL(1,710-1,780MHz)
    B2: DL(1,930-1,990MHz)/UL(1,850-1,910MHz)
Instantaneous Bandwidth:
    70MHz(B66) + 60MHz(B2)
RF Chain: 4T4R/2T4R/2T2R
Output Power: Total 320W
DU-RU Interface: CPRI (10Gbps)
Dimensions: 380 x 380 x 255mm (36.8L)
Weight: 38.3kg
Input Power: -48V DC
Operating Temp.: -40 - 55°(w/o solar load)
Cooling: Natural convection

ATTACHMENT 3

	General	Power	Density					
Site Name: Mansfield NE (chaplin)								
Tower Height: Verizon @ 153ft								
CARRIER	**# OF CHAN.**	**WATTS ERP**	**HEIGHT**	**FREQ.**	**CALC. POWER DENS**	**MAX. PERMISS. EXP.**	**FRACTION MPE**	**Total**
*Sprint	1	377	165	850	0.0054	0.5667	0.09%	
*Sprint	2	942	165	850	0.0268	0.5667	0.47%	
*Sprint	5	512	165	1900	0.0364	1.0000	0.36%	
*Sprint	2	1280	165	1900	0.0364	1.0000	0.36%	
*Sprint	8	778	165	2500	0.0885	1.0000	0.89%	
VZW 700	**4**	**634**	**153**	**751**	**0.0039**	**0.5007**	**0.78%**	
VZW CDMA	**2**	**499**	**153**	**877.26**	**0.0015**	**0.5848**	**0.26%**	
VZW Cellular	**4**	**725**	**153**	**874**	**0.0045**	**0.5827**	**0.77%**	
VZW PCS	**4**	**1525**	**153**	**1975**	**0.0094**	**1.0000**	**0.94%**	
VZW AWS	**4**	**1493**	**153**	**2120**	**0.0092**	**1.0000**	**0.92%**	
VZW CBAND	**4**	**6531**	**153**	**3730.08**	**0.0401**	**1.0000**	**4.01%**	
								9.85%
* Source: Siting Council								

ATTACHMENT 4

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

Structural Analysis Report

Existing 175 ft Nudd Corporation Monopole
Customer Name: SBA Communications Corp
Customer Site Number: CT03113-S
Customer Site Name: North Chaplin
Carrier Name: Verizon (App#: 157622, V2)
Carrier Site ID / Name: 467573 / Mansfield_NE_CT
Site Location: 203 Davis Road
Chaplin, Connecticut
Windham County
Latitude: 41.793486
Longitude: -72.160178

Exp.10/31/2021

09/10/2021

Analysis Result:

Max Structural Usage: 64.0% [Pass]
Max Foundation Usage: 45.0% [Pass]
Additional Usage Caused by Mount Modification: +1.7

Report Prepared By : Ishwor Dhakal

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

Structural Analysis Report

Existing 175 ft Nudd Corporation Monopole

Customer Name: SBA Communications Corp

Customer Site Number: CT03113-S

Customer Site Name: North Chaplin

Carrier Name: Verizon (App#: 157622, V2)

Carrier Site ID / Name: 467573 / Mansfield_NE_CT

Site Location: 203 Davis Road

Chaplin, Connecticut

Windham County

Latitude: 41.793486

Longitude: -72.160178

Analysis Result:

Max Structural Usage: 64.0% [Pass]

Max Foundation Usage: 45.0% [Pass]

Additional Usage Caused by Mount Modification: +1.3%

Report Prepared By : Ishwor Dhakal

Introduction

The purpose of this report is to summarize the analysis results on the 175 ft Nudd Corporation Monopole to support the proposed antennas and transmission lines in addition to those currently installed. Any modification listed under Sources of Information was assumed completed and was included in this analysis.

Sources of Information

Tower Drawings	Tower Drawings prepared by Fred A. Nudd Corporation Project # 7678; 10125-056 Dated 07/2000
Foundation Drawing	Foundation Drawings prepared by Fred A. Nudd Corporation Project # 7678; 10125-056 Dated 07/2000
Geotechnical Report	Geotechnical Report prepared by FDH, Project # 1206274EG1 Dated 08/20/2012
Modification Drawings	
Mount Analysis	Mount Modification Drawing by Maser Consulting, job# 20777651A dated

Analysis Criteria

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

Wind Speed Used in the Analysis:	Ultimate Design Wind Speed V_{ult} = 130 mph (3-Sec. Gust)/ Nominal Design Wind Speed V_{asd} = 101.0 mph (3-Sec. Gust)
Wind Speed with Ice:	50 mph (3-Sec. Gust) with 1" radial ice concurrent
Operational Wind Speed:	60 mph + 0" Radial ice
Standard/Codes:	TIA-222-G-2 / 2015 IBC / 2018 Connecticut State Building Code
Exposure Category:	
Structure Class:	
Topographic Category:	
Crest Height:	0 ft
Seismic Parameters:	

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

Existing Antennas, Mounts and Transmission Lines

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

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
				Low Profile Platform (Abandoned)		Nextel
				Low Profile Platform w/ Site Pro	Hybrid	Sprint Nextel
			Commscope NNVV-65B-R4			
			ALU 1900 MHz			
			ALU 800 MHz			
			ALU TD-RRH8x20-25			
			Antel LPA-80063/6CF - Panel	Low Profile Platform	(2) 1 5/8" Fiber	Verizon
			Antel LPA-80080/6CF - Panel			
			RFS FD9R6004/2C-3L Diplexer			
			Commscope SBNHH-1D65B - Panel			
			Alcatel RRH2X60-1900 - RRH			
			Alcatel RRH2x60-700 - RRH			
			Alcatel RRH4X45 B66 - RRH			

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

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

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
			Antel LPA-80080-6CF-EDIN - Panel	Low Profile Platform w/ Modification [Support Rail w/ End Connection] & (3) Commscope	(2) 1 5/8" Fiber	Verizon
			Antel LPA-80063/6CF_5 - Panel			
			Andrew JAHH-65B-R3B - Panel			
			Samsung MT6407-77A			
			Commscope CBC78T-DS-43-2X			
		3	Samsung B2/B66A RRH-BR049 (RFV01U-D1A)			
			Samsung B5/B13 RRH-BR04C (RFV01U-D2A)			

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

Analysis Results

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

	Pole shafts	Anchor Bolts	Base Plate
Max. Usage:			
Pass/Fail	**Pass**	**Pass**	**Pass**

Foundations

	Moment (Kip-Ft)	Shear (Kips)	Axial (Kips)
Analysis Reactions			

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

Operational Condition (Rigidity):

Operational characteristics of the tower are found to be within the limits prescribed by TIA-222 for the installed antennas. The maximum twist/sway at the elevation of the proposed equipment is 0.8622 degrees under the operational wind speed as specified in the Analysis Criteria.

Conclusions

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

Standard Conditions

This analysis was performed based on the information supplied to **Tower Engineering Solutions,** Verification of the information provided was not included in the Scope of Work for . The accuracy of the analysis is dependent on the accuracy of the information provided.

The structural analysis was performance based upon the evidence available at the time of this report. All information provided by the client is considered to be accurate.

The analyses will be performed based on the codes as specified by the client or based on the best knowledge of the engineering staff of . In the absence of information to the contrary, all work will be performed in accordance with the latest relevant revision of ANSI/TIA-222. If wind speed and/or ice loads are different from the minimum values recommended by the ANSI/TIA-222 standard or other codes, should be notified in writing and the applicable minimum values provided by the client.

The configuration of the existing mounts, antennas, coax and other appurtenances were supplied by the customer for the current structural analysis. has not visited the tower site to verify the adequacy of the information provided. If there is any discrepancy found in the report regarding the existing conditions, should be notified immediately to evaluate the effect of the discrepancy on the analysis results.

The client will assume responsibility for rework associated with the differences in initially provided information, including tower and foundation information, existing and/or proposed equipment and transmission lines.

If a feasibility analysis was performed, final acceptance of changed conditions shall be based upon a rigorous structural analysis.

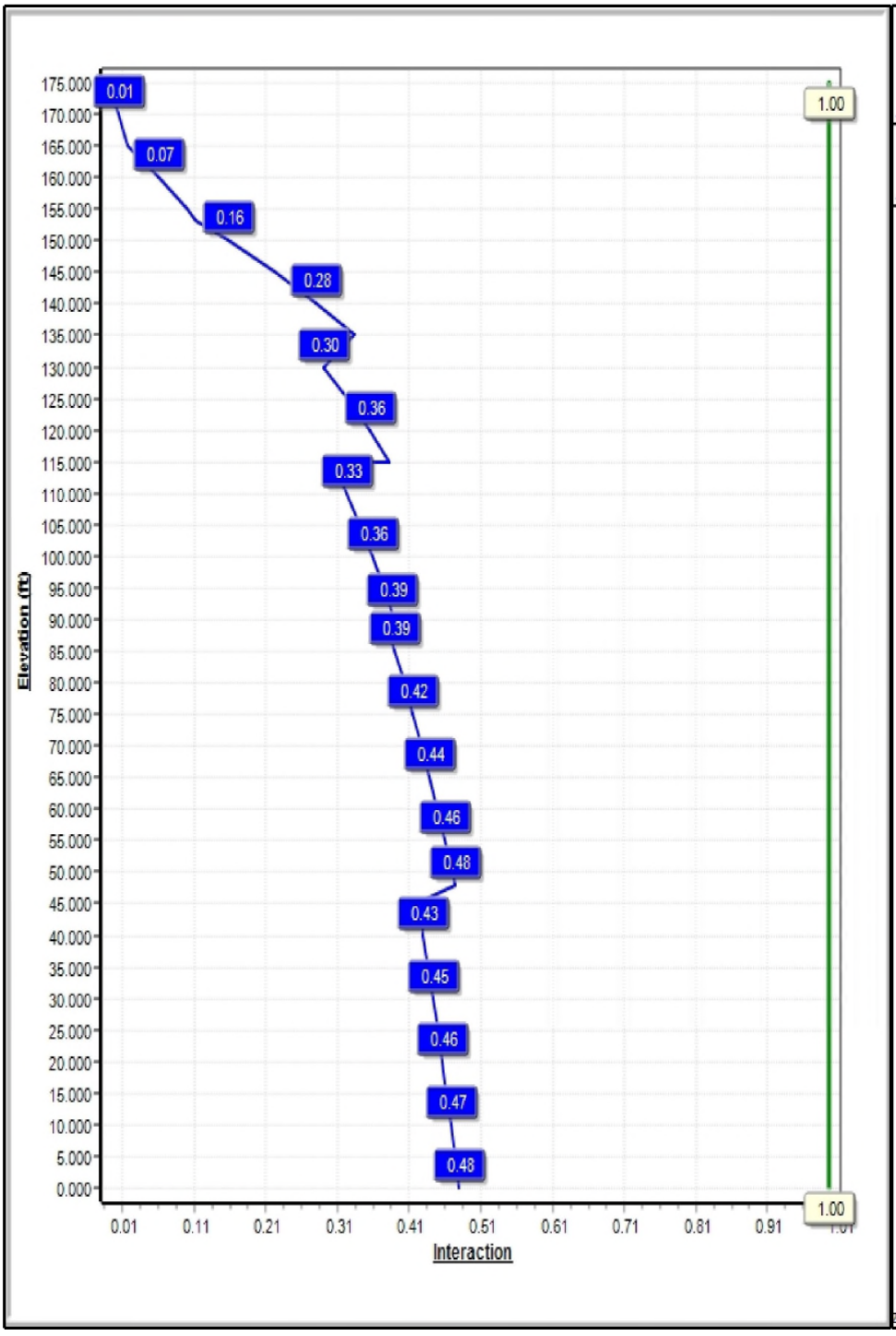
Usage Diagram - Max Ratio 48.37% at 0.0ft

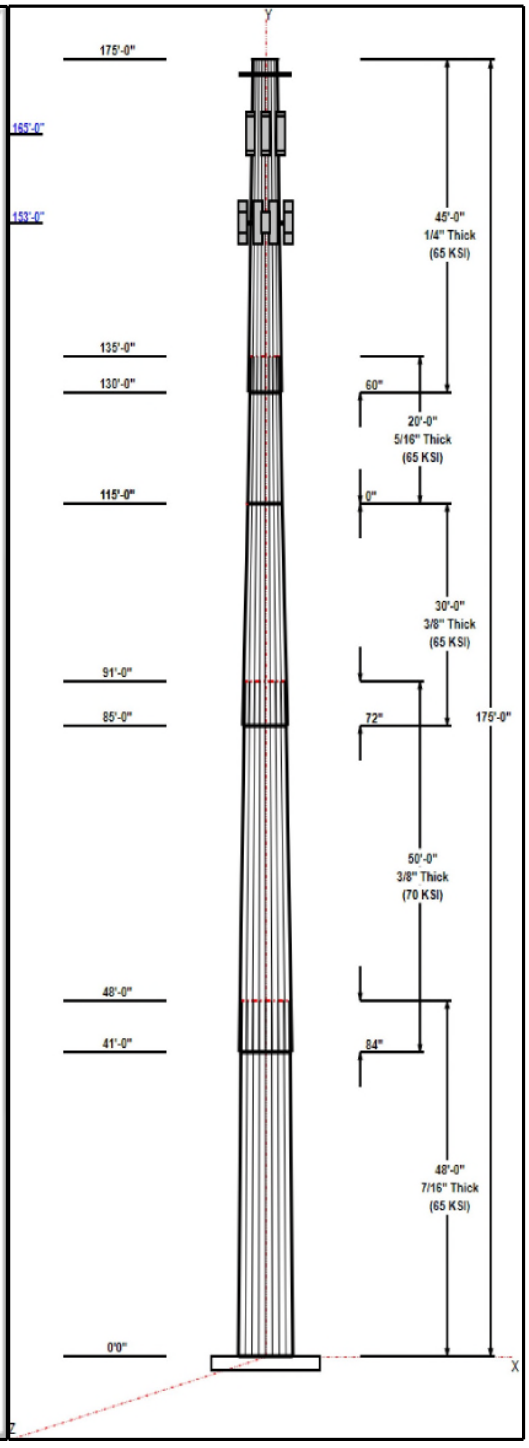
Structure:	CT03113-S-SBA	**Code:**	EIA/TIA-222-G	9/10/2021	
Site Name:	North Chaplin	**Exposure:**	B		
Height:	175.00 (ft)	**Gh:**	1.1		
Base Elev:	0.000 (ft)			Page: 1	

Tower Engineering Solutions

Dead Load Factor:	1.20	**Iterations:**	23
Wind Load Factor:	1.60		

Load Case : 1.2D + 1.6W 101 mph Wind





Structure: CT03113-S-SBA

Type: Tapered
Site Name: North Chaplin
Height: 175.00 (ft)
Base Elev: 0.00 (ft)

Base Shape: 18 Sided
Taper: 0.24286

9/10/2021

Tower Engineering Solutions

Shaft Properties

Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	48.00	52.84	64.50	0.438		0.24286	65
2	50.00	43.15	55.29	0.375	Slip	0.24286	70
3	30.00	38.07	45.36	0.375	Slip	0.24286	65
4	20.00	33.21	38.07	0.313	Butt	0.24286	65
5	45.00	24.00	34.93	0.250	Slip	0.24286	65

Discrete Appurtenances

Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
173.00	173.00	1	Low Profile Platform	Nextel
165.00	165.00	1	Low Profile Platform	Sprint Nextel
165.00	165.00	3	RFS APXVTM14-C-I20	Sprint Nextel
165.00	165.00	3	Commscope	Sprint Nextel
165.00	165.00	3	ALU 1900 MHz	Sprint Nextel
165.00	165.00	6	ALU 800 MHz	Sprint Nextel
165.00	165.00	3	ALU TD-RRH8x20-25	Sprint Nextel
165.00	165.00	1	Site Pro PRK-1245L	Sprint Nextel
165.00	165.00	1	Site Pro SFS-H-L	Sprint Nextel
165.00	165.00	1	Site Pro SPTB	Sprint Nextel
153.00	153.00	1	Low Profile Platform	Verizon
153.00	153.00	1	MS-HRECP	Verizon
153.00	153.00	6	JAHH-65B-R3B	Verizon
153.00	153.00	4	Antel LPA-80063/6CF	Verizon
153.00	153.00	2	Antel LPA-80080/6CF	Verizon
153.00	153.00	2	RFS DB-T1-6Z-8AB-0Z -	Verizon
153.00	153.00	3	MT6407-77A	Verizon
153.00	153.00	3	Bsamnt-sbs-2-2	Verizon
153.00	153.00	3	CBC78T-DS-43	Verizon
153.00	153.00	3	B2/B66A RRH-BR049	Verizon
153.00	153.00	3	B5/B13 RRH-BR04C	Verizon

Linear Appurtenances

Elev From (ft)	Elev To (ft)	Placement	Description	Carrier
0.00	165.00	Inside	1 1/4" Hybrid	Sprint Nextel
0.00	155.00	Inside	1 5/8" Coax	Verizon
0.00	155.00	Inside	1 5/8" Fiber	Verizon

Anchor Bolts

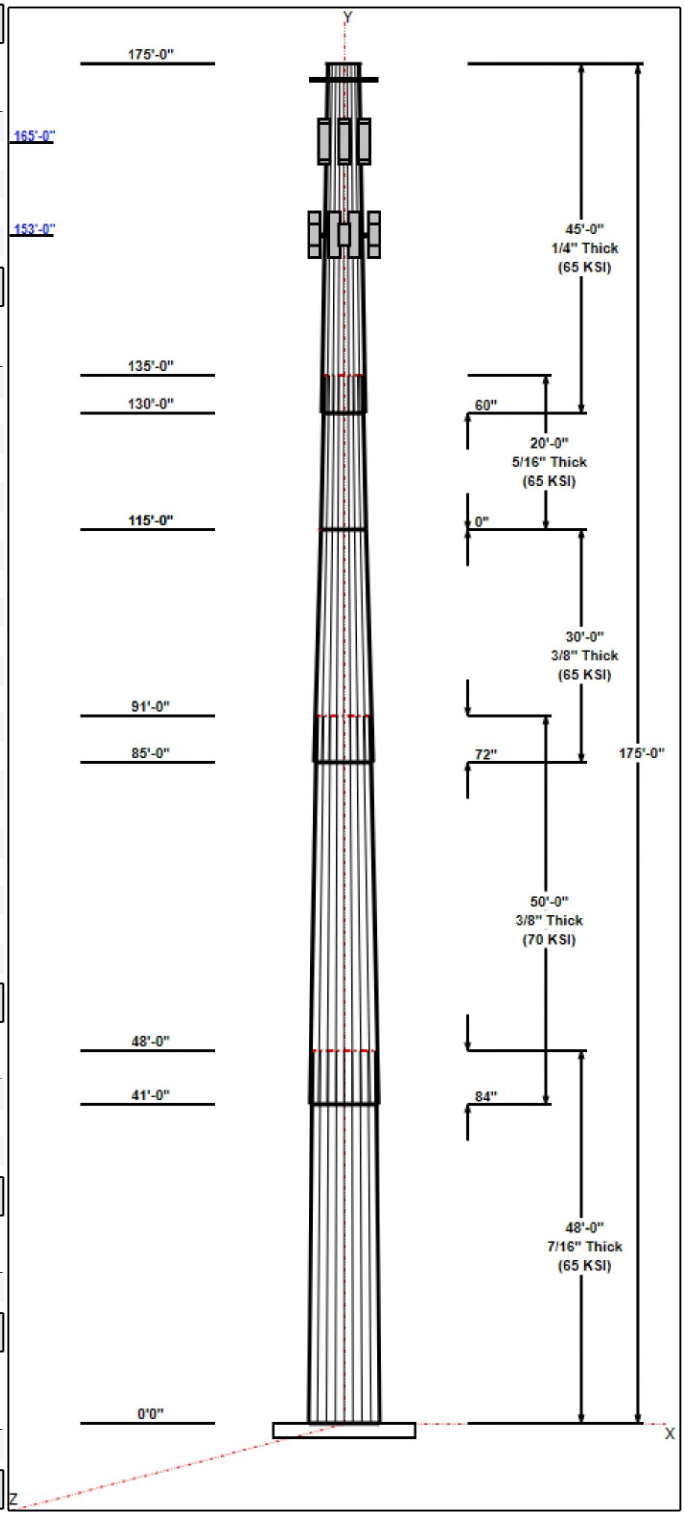
Qty	Specifications	Grade (ksi)	Arrangement
29	2.00" A687	105.0	Radial

Base Plate

Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
1.5000	64.0	50.0	Polygon

Reactions

Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.6W 101 mph Wind	3633.3	29.9	52.9
0.9D + 1.6W 101 mph Wind	3602.0	29.9	39.7
1.2D + 1.0Di + 1.0Wi 50 mph Wind	1038.1	8.5	89.7



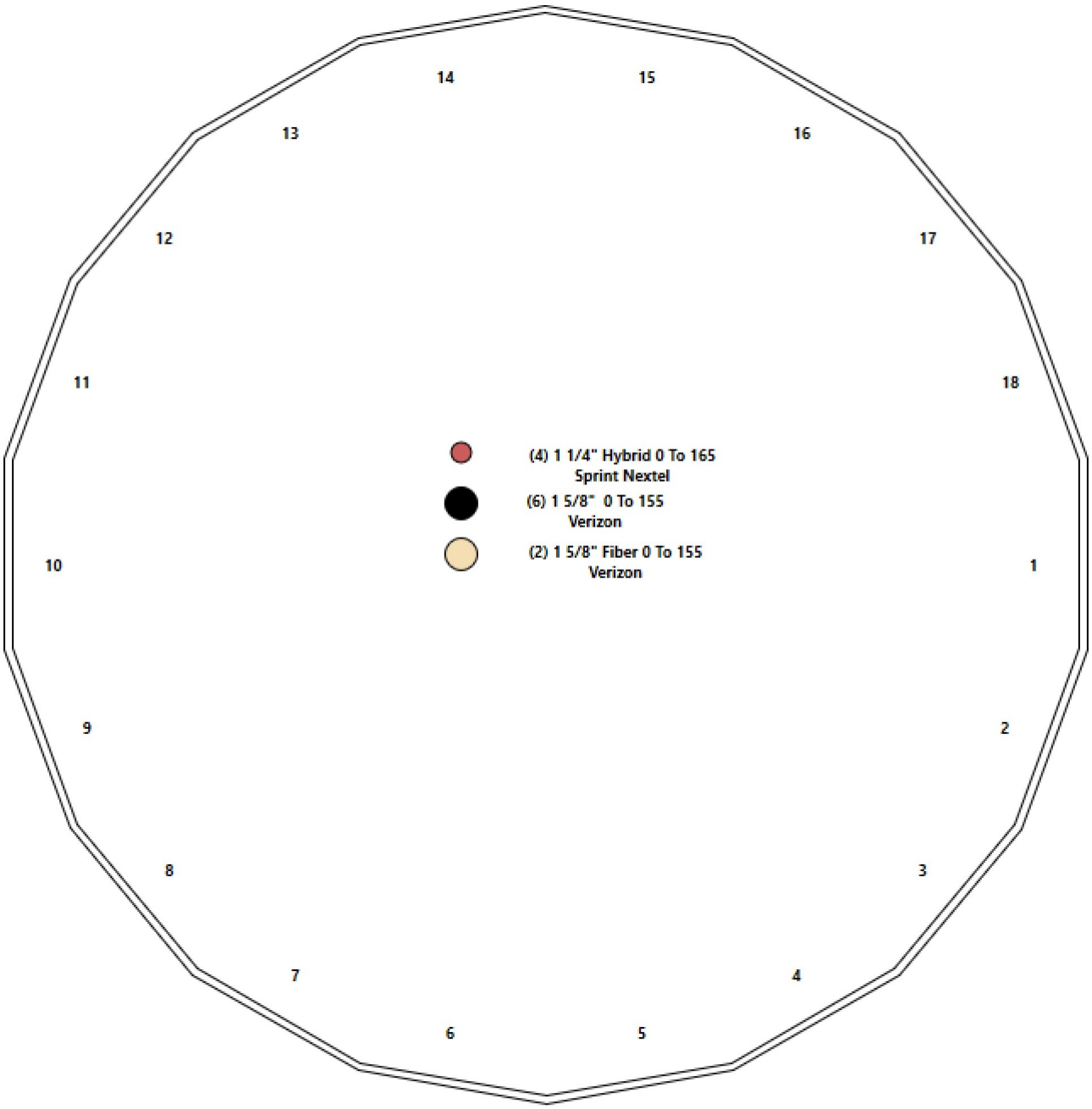
1.2D + 1.0E	255.0	2.0	52.9
0.9D + 1.0E	252.7	2.0	39.7
1.0D + 1.0W 60 mph Wind	797.2	6.6	44.1

Structure: CT03113-S-SBA - Coax Line Placement

Type: Monopole
Site Name: North Chaplin
Height: 175.00 (ft)

9/10/2021

Tower Engineering Solutions



Shaft Properties

Structure:	CT03113-S-SBA		**Code:**	EIA/TIA-222-G	9/10/2021
Site Name:	North Chaplin		**Exposure:**	B	
Height:	175.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 5

Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	18	48.000	0.4375	65		0.00	13,207
2	18	50.000	0.3750	70	Slip	84.00	9,891
3	18	30.000	0.3750	65	Slip	72.00	5,023
4	18	20.000	0.3125	65	Flange	0.00	2,385
5	18	45.000	0.2500	65	Slip	60.00	3,550
					Total Shaft Weight:		**34,056**

	Bottom						Top						
Sec. No.	**Dia (in)**	**Elev (ft)**	**Area (sqin)**	**Ix (in^4)**	**W/t Ratio**	**D/t Ratio**	**Dia (in)**	**Elev (ft)**	**Area (sqin)**	**Ix (in^4)**	**W/t Ratio**	**D/t Ratio**	**Taper**
1	64.50	0.00	88.96	46124.76	24.59	147.43	52.84	48.00	72.77	25249.3	19.89	120.7	0.242857
2	55.29	41.00	65.36	24906.71	24.59	147.45	43.15	91.00	50.91	11769.1	18.88	115.0	0.242857
3	45.36	85.00	53.54	13686.62	19.92	120.95	38.07	115.00	44.87	8055.20	16.49	101.5	0.242857
4	38.07	115.0	37.45	6746.11	20.07	121.83	33.21	135.00	32.63	4463.27	17.33	106.2	0.242857
5	34.93	130.0	27.52	4180.88	23.22	139.71	24.00	175.00	18.84	1343.00	15.52	96.00	0.242857

Load Summary

Structure:	CT03113-S-SBA	**Code:**	EIA/TIA-222-G	9/10/2021	
Site Name:	North Chaplin	**Exposure:**	B		
Height:	175.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 6	

Tower Engineering Solutions

Discrete Appurtenances

				No Ice			Ice				
No.	**Elev (ft)**	**Description**	**Qty**	**Weight (lb)**	**CaAa (sf)**	**CaAa Factor**	**Weight (lb)**	**CaAa (sf)**	**CaAa Factor**	**Hor. Ecc. (ft)**	**Vert Ecc (ft)**
1	173.00	Low Profile Platform	1	1200.00	25.00	1.00	2616.23	53.325	1.00	0.00	0.00
2	165.00	Low Profile Platform	1	1311.00	20.00	1.00	2856.80	29.397	1.00	0.00	0.00
3	165.00	RFS APXVTM14-C-I20	3	56.00	6.34	0.79	287.27	7.872	0.79	0.00	0.00
4	165.00	Commscope NNVV-65B-R4	3	77.40	12.27	0.74	461.79	14.230	0.74	0.00	0.00
5	165.00	ALU 1900 MHz	3	60.00	2.77	0.67	172.31	4.478	0.67	0.00	0.00
6	165.00	ALU 800 MHz	6	53.00	2.49	0.67	152.56	4.030	0.67	0.00	0.00
7	165.00	ALU TD-RRH8x20-25	3	70.00	4.05	0.67	229.65	5.174	0.67	0.00	0.00
8	165.00	Site Pro PRK-1245L	1	466.00	9.50	1.00	903.90	22.891	1.00	0.00	0.00
9	165.00	Site Pro SFS-H-L	1	195.00	6.70	1.00	561.48	16.144	1.00	0.00	0.00
10	165.00	Site Pro SPTB	1	264.00	8.40	1.00	710.54	20.240	1.00	0.00	0.00
11	153.00	Low Profile Platform	1	1500.00	22.00	1.00	4001.95	50.752	1.00	0.00	0.00
12	153.00	MS-HRECP	1	514.00	12.25	1.00	1328.93	28.244	1.00	0.00	0.00
13	153.00	JAHH-65B-R3B	6	63.30	9.11	0.83	389.30	10.945	0.83	0.00	0.00
14	153.00	Antel LPA-80063/6CF	4	27.00	9.59	0.94	430.82	11.444	0.94	0.00	0.00
15	153.00	Antel LPA-80080/6CF	2	21.00	8.62	1.70	298.66	10.411	1.70	0.00	0.00
16	153.00	RFS DB-T1-6Z-8AB-0Z - DC SS	2	44.00	4.80	0.67	369.82	6.053	0.67	0.00	0.00
17	153.00	MT6407-77A	3	79.40	4.69	0.70	250.60	5.976	0.70	0.00	0.00
18	153.00	Bsamnt-sbs-2-2	3	67.46	0.80	1.00	193.29	1.919	1.00	0.00	0.00
19	153.00	CBC78T-DS-43	3	10.40	0.37	0.67	42.76	0.775	0.67	0.00	0.00
20	153.00	B2/B66A RRH-BR049	3	84.40	1.87	0.67	195.21	2.661	0.67	0.00	0.00
21	153.00	B5/B13 RRH-BR04C (RFV01U-D2A)	3	70.30	1.87	0.67	171.16	2.661	0.67	0.00	0.00
		Totals:	**54**	**8,111.88**			**25,303.38**				

Linear Appurtenances

Bottom Elev. (ft)	**Top Elev. (ft)**	**Description**	**Exposed Width**	**Exposed**
0.00	165.00	(4) 1 1/4" Hybrid	0.00	Inside
0.00	155.00	(6) 1 5/8" Coax	0.00	Inside
0.00	155.00	(2) 1 5/8" Fiber	0.00	Inside

Shaft Section Properties

Structure:	CT03113-S-SBA	**Code:**	EIA/TIA-222-G	9/10/2021	
Site Name:	North Chaplin	**Exposure:**	B		
Height:	175.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 7	

Tower Engineering Solutions

Increment Length: **5 (ft)**

Elev (ft)	Description	Thick (in)	Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fpy (ksi)	S (in^3)	Weight (lb)
0.00		0.4375	64.500	88.956	46124.8	24.59	147.43	72.5	1408.	0.0
5.00		0.4375	63.286	87.269	43551.3	24.10	144.65	73.1	1355.	1499.1
10.00		0.4375	62.071	85.583	41075.4	23.61	141.88	73.6	1303.	1470.4
15.00		0.4375	60.857	83.897	38695.2	23.12	139.10	74.2	1252.	1441.8
20.00		0.4375	59.643	82.211	36408.7	22.63	136.33	74.8	1202.	1413.1
25.00		0.4375	58.429	80.525	34214.2	22.14	133.55	75.4	1153.	1384.4
30.00		0.4375	57.214	78.839	32109.6	21.65	130.78	75.9	1105.	1355.7
35.00		0.4375	56.000	77.153	30093.2	21.16	128.00	76.5	1058.	1327.0
40.00		0.4375	54.786	75.467	28163.0	20.67	125.22	77.1	1012.	1298.3
41.00	Bot - Section 2	0.4375	54.543	75.129	27787.1	20.57	124.67	77.2	1003.	256.2
45.00		0.4375	53.571	73.780	26317.1	20.18	122.45	77.7	967.6	1895.2
48.00	Top - Section 1	0.3750	53.593	63.340	22664.6	23.79	142.91	0.0	0.0	1399.0
50.00		0.3750	53.107	62.762	22049.7	23.56	141.62	78.2	817.8	429.1
55.00		0.3750	51.893	61.317	20561.2	22.99	138.38	79.0	780.4	1055.5
60.00		0.3750	50.679	59.872	19141.3	22.42	135.14	79.7	743.9	1030.9
65.00		0.3750	49.464	58.426	17788.4	21.85	131.90	80.5	708.3	1006.4
70.00		0.3750	48.250	56.981	16500.7	21.28	128.67	81.2	673.6	981.8
75.00		0.3750	47.036	55.536	15276.7	20.71	125.43	82.0	639.7	957.2
80.00		0.3750	45.821	54.091	14114.8	20.13	122.19	82.7	606.7	932.6
85.00	Bot - Section 3	0.3750	44.607	52.645	13013.4	19.56	118.95	83.5	574.6	908.0
90.00		0.3750	43.393	51.200	11970.8	18.99	115.71	84.2	543.4	1782.0
91.00	Top - Section 2	0.3750	43.900	51.804	12399.2	19.23	117.07	0.0	0.0	350.5
95.00		0.3750	42.929	50.648	11587.3	18.77	114.48	79.3	531.6	697.2
100.00		0.3750	41.714	49.202	10623.4	18.20	111.24	80.0	501.6	849.4
105.00		0.3750	40.500	47.757	9714.5	17.63	108.00	80.7	472.4	824.8
110.00		0.3750	39.286	46.312	8859.0	17.06	104.76	81.3	444.2	800.2
115.00	Top - Section 3	0.3750	38.071	44.867	8055.2	16.49	101.52	82.0	416.7	775.6
115.00	Bot - Section 4	0.3125	38.071	37.451	6746.1	19.79	121.83	77.8	349.0	
120.00		0.3125	36.857	36.246	6116.0	19.39	117.94	78.6	326.8	626.9
125.00		0.3125	35.643	35.042	5526.4	18.70	114.06	79.4	305.4	606.4
130.00	Bot - Section 5	0.3125	34.429	33.838	4975.9	18.02	110.17	80.2	284.7	586.0
135.00	Top - Section 4	0.2500	33.714	26.553	3756.9	22.37	134.86	0.0	0.0	1025.4
140.00		0.2500	32.500	25.589	3362.6	21.51	130.00	76.1	203.8	443.6
145.00		0.2500	31.286	24.626	2996.9	20.66	125.14	77.1	188.7	427.2
150.00		0.2500	30.071	23.662	2658.7	19.80	120.29	78.1	174.1	410.8
153.00		0.2500	29.343	23.084	2468.6	19.29	117.37	78.7	165.7	238.6
155.00		0.2500	28.857	22.699	2347.0	18.94	115.43	79.1	160.2	155.8
160.00		0.2500	27.643	21.735	2060.6	18.09	110.57	80.1	146.8	378.0
165.00		0.2500	26.429	20.772	1798.5	17.23	105.71	81.1	134.0	361.6
170.00		0.2500	25.214	19.808	1559.7	16.37	100.86	82.1	121.8	345.2
173.00		0.2500	24.486	19.230	1427.1	15.86	97.94	82.5	114.8	199.3
175.00		0.2500	24.000	18.845	1343.0	15.52	96.00	82.5	110.2	129.6
										34056.0

Wind Loading - Shaft

Structure:	CT03113-S-SBA	**Code:**	EIA/TIA-222-G	9/10/2021	
Site Name:	North Chaplin	**Exposure:**	B		
Height:	175.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 8	

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 101 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

Iterations 23

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	17.366	19.10	461.21	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	17.366	19.10	452.53	0.650	0.000	5.00	27.033	17.57	537.1	0.0	1799.0
10.00		1.00	0.70	17.366	19.10	443.84	0.650	0.000	5.00	26.519	17.24	526.8	0.0	1764.5
15.00		1.00	0.70	17.366	19.10	435.16	0.650	0.000	5.00	26.005	16.90	516.6	0.0	1730.1
20.00		1.00	0.70	17.366	19.10	426.48	0.650	0.000	5.00	25.491	16.57	506.4	0.0	1695.7
25.00		1.00	0.70	17.366	19.10	417.79	0.650	0.000	5.00	24.978	16.24	496.2	0.0	1661.3
30.00		1.00	0.70	17.381	19.12	409.28	0.650	0.000	5.00	24.464	15.90	486.4	0.0	1626.8
35.00		1.00	0.73	18.163	19.98	409.52	0.650	0.000	5.00	23.950	15.57	497.7	0.0	1592.4
40.00		1.00	0.76	18.870	20.76	408.35	0.650	0.000	5.00	23.436	15.23	505.9	0.0	1558.0
41.00	Bot - Section 2	1.00	0.77	19.003	20.90	407.98	0.650	0.000	1.00	4.626	3.01	100.6	0.0	307.5
45.00		1.00	0.79	19.516	21.47	406.08	0.650	0.000	4.00	18.551	12.06	414.2	0.0	2274.3
48.00	Top - Section 1	1.00	0.80	19.879	21.87	404.27	0.650	0.000	3.00	13.697	8.90	311.5	0.0	1678.8
50.00		1.00	0.81	20.112	22.12	408.66	0.650	0.000	2.00	9.029	5.87	207.7	0.0	514.9
55.00		1.00	0.83	20.667	22.73	404.79	0.650	0.000	5.00	22.212	14.44	525.2	0.0	1266.6
60.00		1.00	0.85	21.187	23.31	400.27	0.650	0.000	5.00	21.699	14.10	525.9	0.0	1237.1
65.00		1.00	0.87	21.678	23.85	395.17	0.650	0.000	5.00	21.185	13.77	525.4	0.0	1207.6
70.00		1.00	0.89	22.142	24.36	389.57	0.650	0.000	5.00	20.671	13.44	523.6	0.0	1178.1
75.00		1.00	0.91	22.582	24.84	383.53	0.650	0.000	5.00	20.157	13.10	520.7	0.0	1148.6
80.00		1.00	0.93	23.003	25.30	377.09	0.650	0.000	5.00	19.644	12.77	516.9	0.0	1119.1
85.00	Bot - Section 3	1.00	0.94	23.404	25.74	370.29	0.650	0.000	5.00	19.130	12.43	512.2	0.0	1089.6
90.00		1.00	0.96	23.790	26.17	363.16	0.650	0.000	5.00	18.933	12.31	515.3	0.0	2138.4
91.00	Top - Section 2	1.00	0.96	23.865	26.25	361.70	0.650	0.000	1.00	3.725	2.42	101.7	0.0	420.6
95.00		1.00	0.97	24.160	26.58	362.06	0.650	0.000	4.00	14.695	9.55	406.1	0.0	836.7
100.00		1.00	0.99	24.517	26.97	354.41	0.650	0.000	5.00	17.906	11.64	502.2	0.0	1019.3
105.00		1.00	1.00	24.861	27.35	346.50	0.650	0.000	5.00	17.392	11.30	494.7	0.0	989.8
110.00		1.00	1.02	25.194	27.71	338.35	0.650	0.000	5.00	16.878	10.97	486.5	0.0	960.3
115.00	Top - Section 3	1.00	1.03	25.516	28.07	329.98	0.650	0.000	5.00	16.365	10.64	477.7	0.0	930.8
120.00		1.00	1.04	25.828	28.41	321.40	0.650	0.000	5.00	15.851	10.30	468.3	0.0	752.3
125.00		1.00	1.05	26.131	28.74	312.63	0.650	0.000	5.00	15.337	9.97	458.5	0.0	727.7
130.00	Bot - Section 5	1.00	1.07	26.425	29.07	303.68	0.650	0.000	5.00	14.823	9.64	448.1	0.0	703.1
135.00	Top - Section 4	1.00	1.08	26.712	29.38	294.55	0.650	0.000	5.00	14.521	9.44	443.7	0.0	1230.5
140.00		1.00	1.09	26.991	29.69	289.72	0.650	0.000	5.00	14.007	9.10	432.5	0.0	532.3
145.00		1.00	1.10	27.263	29.99	280.30	0.650	0.000	5.00	13.494	8.77	420.8	0.0	512.6
150.00		1.00	1.11	27.528	30.28	270.72	0.650	0.000	5.00	12.980	8.44	408.8	0.0	492.9
153.00	Appurtenance(s)	1.00	1.12	27.684	30.45	264.91	0.650	0.000	3.00	7.541	4.90	238.8	0.0	286.3
155.00		1.00	1.12	27.787	30.57	261.01	0.650	0.000	2.00	4.925	3.20	156.6	0.0	186.9
160.00		1.00	1.13	28.040	30.84	251.17	0.650	0.000	5.00	11.952	7.77	383.4	0.0	453.6
165.00	Appurtenance(s)	1.00	1.14	28.288	31.12	241.19	0.650	0.000	5.00	11.439	7.44	370.2	0.0	433.9
170.00		1.00	1.15	28.530	31.38	231.09	0.650	0.000	5.00	10.925	7.10	356.6	0.0	414.3
173.00	Appurtenance(s)	1.00	1.16	28.673	31.54	224.98	0.650	0.000	3.00	6.308	4.10	206.9	0.0	239.1
175.00		1.00	1.16	28.768	31.64	220.88	0.650	0.000	2.00	4.103	2.67	135.0	0.0	155.5
								Totals:	**175.00**			**16,669.6**		**40,867.2**

Discrete Appurtenance Forces

Structure:	CT03113-S-SBA	**Code:**	EIA/TIA-222-G	9/10/2021	
Site Name:	North Chaplin	**Exposure:**	B		
Height:	175.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 9	

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 101 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

Iterations 23

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	173.00	Low Profile Platform	1	28.673	31.541	1.00	1.00	25.00	1440.00	0.000	0.000	1261.63	0.00	0.00
2	165.00	ALU 800 MHz	6	28.288	31.117	0.54	0.80	8.01	381.60	0.000	0.000	398.69	0.00	0.00
3	165.00	Low Profile Platform	1	28.288	31.117	1.00	1.00	20.00	1573.20	0.000	0.000	995.74	0.00	0.00
4	165.00	RFS APXVTM14-C-I20	3	28.288	31.117	0.63	0.80	12.02	201.60	0.000	0.000	598.47	0.00	0.00
5	165.00	Commscope	3	28.288	31.117	0.59	0.80	21.79	278.64	0.000	0.000	1084.93	0.00	0.00
6	165.00	ALU 1900 MHz	3	28.288	31.117	0.54	0.80	4.45	216.00	0.000	0.000	221.76	0.00	0.00
7	165.00	ALU TD-RRH8x20-25	3	28.288	31.117	0.54	0.80	6.51	252.00	0.000	0.000	324.23	0.00	0.00
8	165.00	Site Pro PRK-1245L	1	28.288	31.117	1.00	1.00	9.50	559.20	0.000	0.000	472.98	0.00	0.00
9	165.00	Site Pro SFS-H-L	1	28.288	31.117	1.00	1.00	6.70	234.00	0.000	0.000	333.57	0.00	0.00
10	165.00	Site Pro SPTB	1	28.288	31.117	1.00	1.00	8.40	316.80	0.000	0.000	418.21	0.00	0.00
11	153.00	MS-HRECP	1	27.684	30.453	1.00	1.00	12.25	616.80	0.000	0.000	596.87	0.00	0.00
12	153.00	B5/B13 RRH-BR04C	3	27.684	30.453	0.54	0.80	3.01	253.08	0.000	0.000	146.51	0.00	0.00
13	153.00	B2/B66A RRH-BR049	3	27.684	30.453	0.54	0.80	3.01	303.84	0.000	0.000	146.51	0.00	0.00
14	153.00	CBC78T-DS-43	3	27.684	30.453	0.54	0.80	0.59	37.44	0.000	0.000	28.99	0.00	0.00
15	153.00	Bsamnt-sbs-2-2	3	27.684	30.453	1.00	1.00	2.40	242.86	0.000	0.000	116.94	0.00	0.00
16	153.00	MT6407-77A	3	27.684	30.453	0.56	0.80	7.88	285.84	0.000	0.000	383.91	0.00	0.00
17	153.00	RFS DB-T1-6Z-8AB-0Z -	2	27.684	30.453	0.54	0.80	5.15	105.60	0.000	0.000	250.72	0.00	0.00
18	153.00	Antel LPA-80080/6CF	2	27.684	30.453	1.36	0.80	23.45	50.40	0.000	0.000	1142.41	0.00	0.00
19	153.00	Antel LPA-80063/6CF	4	27.684	30.453	0.75	0.80	28.85	129.60	0.000	0.000	1405.54	0.00	0.00
20	153.00	Low Profile Platform	1	27.684	30.453	1.00	1.00	22.00	1800.00	0.000	0.000	1071.94	0.00	0.00
21	153.00	JAHH-65B-R3B	6	27.684	30.453	0.66	0.80	36.29	455.76	0.000	0.000	1768.42	0.00	0.00
							Totals:		**9,734.26**			**13,168.96**		

Total Applied Force Summary

Structure:	CT03113-S-SBA		**Code:**	EIA/TIA-222-G	9/10/2021
Site Name:	North Chaplin		**Exposure:**	B	
Height:	175.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 10

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 101 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

Iterations 23

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		537.06	1872.50	0.00	0.00
10.00		526.85	1838.07	0.00	0.00
15.00		516.64	1803.65	0.00	0.00
20.00		506.44	1769.22	0.00	0.00
25.00		496.23	1734.80	0.00	0.00
30.00		486.43	1700.37	0.00	0.00
35.00		497.66	1665.95	0.00	0.00
40.00		505.92	1631.52	0.00	0.00
41.00		100.56	322.17	0.00	0.00
45.00		414.16	2333.09	0.00	0.00
48.00		311.50	1722.97	0.00	0.00
50.00		207.74	544.33	0.00	0.00
55.00		525.18	1340.18	0.00	0.00
60.00		525.94	1310.67	0.00	0.00
65.00		525.37	1281.16	0.00	0.00
70.00		523.60	1251.66	0.00	0.00
75.00		520.75	1222.15	0.00	0.00
80.00		516.92	1192.64	0.00	0.00
85.00		512.20	1163.13	0.00	0.00
90.00		515.29	2211.94	0.00	0.00
91.00		101.70	435.31	0.00	0.00
95.00		406.15	895.51	0.00	0.00
100.00		502.21	1092.84	0.00	0.00
105.00		494.65	1063.33	0.00	0.00
110.00		486.46	1033.82	0.00	0.00
115.00		477.68	1004.32	0.00	0.00
120.00		468.35	825.86	0.00	0.00
125.00		458.48	801.27	0.00	0.00
130.00		448.12	776.68	0.00	0.00
135.00		443.74	1304.05	0.00	0.00
140.00		432.51	605.82	0.00	0.00
145.00		420.85	586.15	0.00	0.00
150.00		408.77	566.48	0.00	0.00
153.00	(31) attachments	7297.60	4611.66	0.00	0.00
155.00		156.55	216.36	0.00	0.00
160.00		383.41	476.50	0.00	0.00
165.00	(22) attachments	5218.76	4469.87	0.00	0.00
170.00		356.58	414.26	0.00	0.00
173.00	(1) attachments	1468.55	1679.11	0.00	0.00
175.00		135.02	155.47	0.00	0.00
	Totals:	**29,838.60**	**52,926.87**	**0.00**	**0.00**

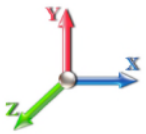
Calculated Forces

Structure:	CT03113-S-SBA	**Code:**	EIA/TIA-222-G	9/10/2021	
Site Name:	North Chaplin	**Exposure:**	B		
Height:	175.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 11	

Load Case: 1.2D + 1.6W 101 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 23

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-52.90	-29.89	0.00	-3633.2	0.00	3633.29	5803.10	2901.55	15291.3	7657.05	0.00	0.000	0.000	0.484
5.00	-50.97	-29.45	0.00	-3483.8	0.00	3483.84	5738.32	2869.16	14832.1	7427.08	0.06	-0.110	0.000	0.478
10.00	-49.08	-29.01	0.00	-3336.6	0.00	3336.60	5671.78	2835.89	14374.9	7198.15	0.23	-0.221	0.000	0.472
15.00	-47.22	-28.58	0.00	-3191.5	0.00	3191.53	5603.50	2801.75	13920.1	6970.40	0.53	-0.334	0.000	0.466
20.00	-45.40	-28.15	0.00	-3048.6	0.00	3048.63	5533.47	2766.74	13467.8	6743.96	0.94	-0.449	0.000	0.460
25.00	-43.61	-27.73	0.00	-2907.8	0.00	2907.85	5461.70	2730.85	13018.5	6518.96	1.47	-0.565	0.000	0.454
30.00	-41.86	-27.31	0.00	-2769.1	0.00	2769.19	5388.18	2694.09	12572.3	6295.53	2.13	-0.683	0.000	0.448
35.00	-40.14	-26.88	0.00	-2632.6	0.00	2632.62	5312.91	2656.45	12129.5	6073.81	2.91	-0.803	0.000	0.441
40.00	-38.48	-26.40	0.00	-2498.2	0.00	2498.23	5235.89	2617.95	11690.4	5853.93	3.81	-0.924	0.000	0.434
41.00	-38.13	-26.33	0.00	-2471.8	0.00	2471.83	5220.28	2610.14	11603.1	5810.18	4.01	-0.949	0.000	0.433
45.00	-35.77	-25.93	0.00	-2366.5	0.00	2366.50	5157.13	2578.57	11255.3	5636.01	4.85	-1.048	0.000	0.427
48.00	-34.02	-25.63	0.00	-2288.7	0.00	2288.70	4442.55	2221.27	9722.51	4868.48	5.53	-1.124	0.000	0.478
50.00	-33.44	-25.46	0.00	-2237.4	0.00	2237.45	4418.96	2209.48	9582.00	4798.12	6.01	-1.175	0.000	0.474
55.00	-32.05	-24.99	0.00	-2110.1	0.00	2110.13	4358.62	2179.31	9231.98	4622.85	7.32	-1.315	0.000	0.464
60.00	-30.69	-24.51	0.00	-1985.1	0.00	1985.18	4296.32	2148.16	8884.00	4448.60	8.77	-1.457	0.000	0.454
65.00	-29.37	-24.02	0.00	-1862.6	0.00	1862.65	4232.08	2116.04	8538.34	4275.52	10.38	-1.600	0.000	0.443
70.00	-28.07	-23.53	0.00	-1742.5	0.00	1742.54	4165.88	2082.94	8195.31	4103.74	12.13	-1.744	0.000	0.431
75.00	-26.81	-23.04	0.00	-1624.8	0.00	1624.87	4097.73	2048.86	7855.19	3933.43	14.03	-1.889	0.000	0.420
80.00	-25.58	-22.55	0.00	-1509.6	0.00	1509.67	4027.63	2013.81	7518.28	3764.73	16.09	-2.035	0.000	0.407
85.00	-24.38	-22.06	0.00	-1396.9	0.00	1396.92	3955.57	1977.79	7184.87	3597.77	18.30	-2.181	0.000	0.395
90.00	-22.15	-21.49	0.00	-1286.6	0.00	1286.63	3881.56	1940.78	6855.26	3432.73	20.66	-2.328	0.000	0.381
91.00	-21.70	-21.40	0.00	-1265.1	0.00	1265.14	3673.04	1836.52	6564.12	3286.94	21.15	-2.358	0.000	0.391
95.00	-20.77	-21.00	0.00	-1179.5	0.00	1179.55	3615.55	1807.77	6315.94	3162.67	23.18	-2.477	0.000	0.379
100.00	-19.65	-20.50	0.00	-1074.5	0.00	1074.54	3542.12	1771.06	6009.55	3009.24	25.85	-2.615	0.000	0.363
105.00	-18.57	-20.00	0.00	-972.05	0.00	972.05	3466.93	1733.47	5707.67	2858.08	28.66	-2.752	0.000	0.346
110.00	-17.51	-19.50	0.00	-872.05	0.00	872.05	3390.01	1695.00	5410.56	2709.30	31.62	-2.887	0.000	0.327
115.00	-16.49	-19.01	0.00	-774.54	0.00	774.54	3311.33	1655.67	5118.49	2563.05	34.71	-3.019	0.000	0.307
115.00	-16.49	-19.01	0.00	-774.54	0.00	774.54	2622.08	1311.04	4066.54	2036.29	34.71	-3.019	0.000	0.387
120.00	-15.65	-18.54	0.00	-679.48	0.00	679.48	2564.05	1282.02	3847.60	1926.66	37.94	-3.148	0.000	0.359
125.00	-14.83	-18.07	0.00	-586.79	0.00	586.79	2504.27	1252.13	3631.97	1818.69	41.32	-3.295	0.000	0.329
130.00	-14.04	-17.61	0.00	-496.43	0.00	496.43	2442.74	1221.37	3419.91	1712.49	44.84	-3.434	0.000	0.296
135.00	-12.72	-17.12	0.00	-408.37	0.00	408.37	1794.51	897.26	2468.50	1236.09	48.51	-3.564	0.000	0.338
140.00	-12.11	-16.67	0.00	-322.79	0.00	322.79	1752.60	876.30	2322.71	1163.08	52.30	-3.680	0.000	0.285
145.00	-11.53	-16.24	0.00	-239.43	0.00	239.43	1708.93	854.47	2178.91	1091.08	56.22	-3.799	0.000	0.227
150.00	-10.97	-15.80	0.00	-158.25	0.00	158.25	1663.52	831.76	2037.37	1020.20	60.25	-3.893	0.000	0.162
153.00	-6.86	-8.21	0.00	-110.84	0.00	110.84	1635.44	817.72	1953.63	978.27	62.71	-3.937	0.000	0.118
155.00	-6.65	-8.04	0.00	-94.42	0.00	94.42	1616.36	808.18	1898.33	950.58	64.37	-3.960	0.000	0.104
160.00	-6.20	-7.63	0.00	-54.20	0.00	54.20	1567.46	783.73	1762.08	882.35	68.54	-4.005	0.000	0.065
165.00	-2.11	-2.11	0.00	-16.04	0.00	16.04	1516.81	758.40	1628.87	815.65	72.74	-4.030	0.000	0.021
170.00	-1.72	-1.73	0.00	-5.48	0.00	5.48	1464.41	732.20	1498.97	750.60	76.97	-4.038	0.000	0.008
173.00	-0.15	-0.15	0.00	-0.29	0.00	0.29	1428.72	714.36	1419.33	710.72	79.50	-4.040	0.000	0.001
175.00	0.00	-0.13	0.00	0.00	0.00	0.00	1400.09	700.04	1362.73	682.38	81.19	-4.040	0.000	0.000

Wind Loading - Shaft

Structure:	CT03113-S-SBA	**Code:**	EIA/TIA-222-G	9/10/2021	
Site Name:	North Chaplin	**Exposure:**	B		
Height:	175.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 12	

Load Case: 0.9D + 1.6W 101 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

Iterations 23

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	17.366	19.10	461.21	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	17.366	19.10	452.53	0.650	0.000	5.00	27.033	17.57	537.1	0.0	1349.2
10.00		1.00	0.70	17.366	19.10	443.84	0.650	0.000	5.00	26.519	17.24	526.8	0.0	1323.4
15.00		1.00	0.70	17.366	19.10	435.16	0.650	0.000	5.00	26.005	16.90	516.6	0.0	1297.6
20.00		1.00	0.70	17.366	19.10	426.48	0.650	0.000	5.00	25.491	16.57	506.4	0.0	1271.8
25.00		1.00	0.70	17.366	19.10	417.79	0.650	0.000	5.00	24.978	16.24	496.2	0.0	1245.9
30.00		1.00	0.70	17.381	19.12	409.28	0.650	0.000	5.00	24.464	15.90	486.4	0.0	1220.1
35.00		1.00	0.73	18.163	19.98	409.52	0.650	0.000	5.00	23.950	15.57	497.7	0.0	1194.3
40.00		1.00	0.76	18.870	20.76	408.35	0.650	0.000	5.00	23.436	15.23	505.9	0.0	1168.5
41.00	Bot - Section 2	1.00	0.77	19.003	20.90	407.98	0.650	0.000	1.00	4.626	3.01	100.6	0.0	230.6
45.00		1.00	0.79	19.516	21.47	406.08	0.650	0.000	4.00	18.551	12.06	414.2	0.0	1705.7
48.00	Top - Section 1	1.00	0.80	19.879	21.87	404.27	0.650	0.000	3.00	13.697	8.90	311.5	0.0	1259.1
50.00		1.00	0.81	20.112	22.12	408.66	0.650	0.000	2.00	9.029	5.87	207.7	0.0	386.2
55.00		1.00	0.83	20.667	22.73	404.79	0.650	0.000	5.00	22.212	14.44	525.2	0.0	950.0
60.00		1.00	0.85	21.187	23.31	400.27	0.650	0.000	5.00	21.699	14.10	525.9	0.0	927.9
65.00		1.00	0.87	21.678	23.85	395.17	0.650	0.000	5.00	21.185	13.77	525.4	0.0	905.7
70.00		1.00	0.89	22.142	24.36	389.57	0.650	0.000	5.00	20.671	13.44	523.6	0.0	883.6
75.00		1.00	0.91	22.582	24.84	383.53	0.650	0.000	5.00	20.157	13.10	520.7	0.0	861.5
80.00		1.00	0.93	23.003	25.30	377.09	0.650	0.000	5.00	19.644	12.77	516.9	0.0	839.3
85.00	Bot - Section 3	1.00	0.94	23.404	25.74	370.29	0.650	0.000	5.00	19.130	12.43	512.2	0.0	817.2
90.00		1.00	0.96	23.790	26.17	363.16	0.650	0.000	5.00	18.933	12.31	515.3	0.0	1603.8
91.00	Top - Section 2	1.00	0.96	23.865	26.25	361.70	0.650	0.000	1.00	3.725	2.42	101.7	0.0	315.4
95.00		1.00	0.97	24.160	26.58	362.06	0.650	0.000	4.00	14.695	9.55	406.1	0.0	627.5
100.00		1.00	0.99	24.517	26.97	354.41	0.650	0.000	5.00	17.906	11.64	502.2	0.0	764.5
105.00		1.00	1.00	24.861	27.35	346.50	0.650	0.000	5.00	17.392	11.30	494.7	0.0	742.3
110.00		1.00	1.02	25.194	27.71	338.35	0.650	0.000	5.00	16.878	10.97	486.5	0.0	720.2
115.00	Top - Section 3	1.00	1.03	25.516	28.07	329.98	0.650	0.000	5.00	16.365	10.64	477.7	0.0	698.1
120.00		1.00	1.04	25.828	28.41	321.40	0.650	0.000	5.00	15.851	10.30	468.3	0.0	564.2
125.00		1.00	1.05	26.131	28.74	312.63	0.650	0.000	5.00	15.337	9.97	458.5	0.0	545.8
130.00	Bot - Section 5	1.00	1.07	26.425	29.07	303.68	0.650	0.000	5.00	14.823	9.64	448.1	0.0	527.4
135.00	Top - Section 4	1.00	1.08	26.712	29.38	294.55	0.650	0.000	5.00	14.521	9.44	443.7	0.0	922.9
140.00		1.00	1.09	26.991	29.69	289.72	0.650	0.000	5.00	14.007	9.10	432.5	0.0	399.2
145.00		1.00	1.10	27.263	29.99	280.30	0.650	0.000	5.00	13.494	8.77	420.8	0.0	384.5
150.00		1.00	1.11	27.528	30.28	270.72	0.650	0.000	5.00	12.980	8.44	408.8	0.0	369.7
153.00	Appurtenance(s)	1.00	1.12	27.684	30.45	264.91	0.650	0.000	3.00	7.541	4.90	238.8	0.0	214.7
155.00		1.00	1.12	27.787	30.57	261.01	0.650	0.000	2.00	4.925	3.20	156.6	0.0	140.2
160.00		1.00	1.13	28.040	30.84	251.17	0.650	0.000	5.00	11.952	7.77	383.4	0.0	340.2
165.00	Appurtenance(s)	1.00	1.14	28.288	31.12	241.19	0.650	0.000	5.00	11.439	7.44	370.2	0.0	325.4
170.00		1.00	1.15	28.530	31.38	231.09	0.650	0.000	5.00	10.925	7.10	356.6	0.0	310.7
173.00	Appurtenance(s)	1.00	1.16	28.673	31.54	224.98	0.650	0.000	3.00	6.308	4.10	206.9	0.0	179.3
175.00		1.00	1.16	28.768	31.64	220.88	0.650	0.000	2.00	4.103	2.67	135.0	0.0	116.6
								Totals:	**175.00**			**16,669.6**		**30,650.4**

Discrete Appurtenance Forces

Structure:	CT03113-S-SBA	**Code:**	EIA/TIA-222-G	9/10/2021	
Site Name:	North Chaplin	**Exposure:**	B		
Height:	175.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 13	

Load Case: 0.9D + 1.6W 101 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

Iterations 23

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	173.00	Low Profile Platform	1	28.673	31.541	1.00	1.00	25.00	1080.00	0.000	0.000	1261.63	0.00	0.00
2	165.00	ALU 800 MHz	6	28.288	31.117	0.54	0.80	8.01	286.20	0.000	0.000	398.69	0.00	0.00
3	165.00	Low Profile Platform	1	28.288	31.117	1.00	1.00	20.00	1179.90	0.000	0.000	995.74	0.00	0.00
4	165.00	RFS APXVTM14-C-I20	3	28.288	31.117	0.63	0.80	12.02	151.20	0.000	0.000	598.47	0.00	0.00
5	165.00	Commscope	3	28.288	31.117	0.59	0.80	21.79	208.98	0.000	0.000	1084.93	0.00	0.00
6	165.00	ALU 1900 MHz	3	28.288	31.117	0.54	0.80	4.45	162.00	0.000	0.000	221.76	0.00	0.00
7	165.00	ALU TD-RRH8x20-25	3	28.288	31.117	0.54	0.80	6.51	189.00	0.000	0.000	324.23	0.00	0.00
8	165.00	Site Pro PRK-1245L	1	28.288	31.117	1.00	1.00	9.50	419.40	0.000	0.000	472.98	0.00	0.00
9	165.00	Site Pro SFS-H-L	1	28.288	31.117	1.00	1.00	6.70	175.50	0.000	0.000	333.57	0.00	0.00
10	165.00	Site Pro SPTB	1	28.288	31.117	1.00	1.00	8.40	237.60	0.000	0.000	418.21	0.00	0.00
11	153.00	MS-HRECP	1	27.684	30.453	1.00	1.00	12.25	462.60	0.000	0.000	596.87	0.00	0.00
12	153.00	B5/B13 RRH-BR04C	3	27.684	30.453	0.54	0.80	3.01	189.81	0.000	0.000	146.51	0.00	0.00
13	153.00	B2/B66A RRH-BR049	3	27.684	30.453	0.54	0.80	3.01	227.88	0.000	0.000	146.51	0.00	0.00
14	153.00	CBC78T-DS-43	3	27.684	30.453	0.54	0.80	0.59	28.08	0.000	0.000	28.99	0.00	0.00
15	153.00	Bsamnt-sbs-2-2	3	27.684	30.453	1.00	1.00	2.40	182.14	0.000	0.000	116.94	0.00	0.00
16	153.00	MT6407-77A	3	27.684	30.453	0.56	0.80	7.88	214.38	0.000	0.000	383.91	0.00	0.00
17	153.00	RFS DB-T1-6Z-8AB-0Z -	2	27.684	30.453	0.54	0.80	5.15	79.20	0.000	0.000	250.72	0.00	0.00
18	153.00	Antel LPA-80080/6CF	2	27.684	30.453	1.36	0.80	23.45	37.80	0.000	0.000	1142.41	0.00	0.00
19	153.00	Antel LPA-80063/6CF	4	27.684	30.453	0.75	0.80	28.85	97.20	0.000	0.000	1405.54	0.00	0.00
20	153.00	Low Profile Platform	1	27.684	30.453	1.00	1.00	22.00	1350.00	0.000	0.000	1071.94	0.00	0.00
21	153.00	JAHH-65B-R3B	6	27.684	30.453	0.66	0.80	36.29	341.82	0.000	0.000	1768.42	0.00	0.00
							Totals:		**7,300.69**			**13,168.96**		

Total Applied Force Summary

Structure:	CT03113-S-SBA		**Code:**	EIA/TIA-222-G	9/10/2021
Site Name:	North Chaplin		**Exposure:**	B	
Height:	175.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 14

Tower Engineering Solutions

Load Case: 0.9D + 1.6W 101 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

Iterations 23

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		537.06	1404.37	0.00	0.00
10.00		526.85	1378.56	0.00	0.00
15.00		516.64	1352.74	0.00	0.00
20.00		506.44	1326.92	0.00	0.00
25.00		496.23	1301.10	0.00	0.00
30.00		486.43	1275.28	0.00	0.00
35.00		497.66	1249.46	0.00	0.00
40.00		505.92	1223.64	0.00	0.00
41.00		100.56	241.63	0.00	0.00
45.00		414.16	1749.82	0.00	0.00
48.00		311.50	1292.22	0.00	0.00
50.00		207.74	408.25	0.00	0.00
55.00		525.18	1005.13	0.00	0.00
60.00		525.94	983.00	0.00	0.00
65.00		525.37	960.87	0.00	0.00
70.00		523.60	938.74	0.00	0.00
75.00		520.75	916.61	0.00	0.00
80.00		516.92	894.48	0.00	0.00
85.00		512.20	872.35	0.00	0.00
90.00		515.29	1658.96	0.00	0.00
91.00		101.70	326.48	0.00	0.00
95.00		406.15	671.64	0.00	0.00
100.00		502.21	819.63	0.00	0.00
105.00		494.65	797.50	0.00	0.00
110.00		486.46	775.37	0.00	0.00
115.00		477.68	753.24	0.00	0.00
120.00		468.35	619.40	0.00	0.00
125.00		458.48	600.95	0.00	0.00
130.00		448.12	582.51	0.00	0.00
135.00		443.74	978.04	0.00	0.00
140.00		432.51	454.37	0.00	0.00
145.00		420.85	439.61	0.00	0.00
150.00		408.77	424.86	0.00	0.00
153.00	(31) attachments	7297.60	3458.75	0.00	0.00
155.00		156.55	162.27	0.00	0.00
160.00		383.41	357.37	0.00	0.00
165.00	(22) attachments	5218.76	3352.40	0.00	0.00
170.00		356.58	310.69	0.00	0.00
173.00	(1) attachments	1468.55	1259.33	0.00	0.00
175.00		135.02	116.61	0.00	0.00
	Totals:	**29,838.60**	**39,695.15**	**0.00**	**0.00**

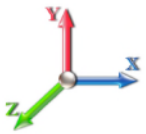
Calculated Forces

Structure:	CT03113-S-SBA	**Code:**	EIA/TIA-222-G	9/10/2021	
Site Name:	North Chaplin	**Exposure:**	B		
Height:	175.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 15	

Load Case: 0.9D + 1.6W 101 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 23

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-39.67	-29.88	0.00	-3602.0	0.00	3602.03	5803.10	2901.55	15291.3	7657.05	0.00	0.000	0.000	0.477
5.00	-38.21	-29.41	0.00	-3452.6	0.00	3452.65	5738.32	2869.16	14832.1	7427.08	0.06	-0.109	0.000	0.472
10.00	-36.77	-28.95	0.00	-3305.6	0.00	3305.60	5671.78	2835.89	14374.9	7198.15	0.23	-0.219	0.000	0.466
15.00	-35.37	-28.50	0.00	-3160.8	0.00	3160.84	5603.50	2801.75	13920.1	6970.40	0.52	-0.331	0.000	0.460
20.00	-33.99	-28.05	0.00	-3018.3	0.00	3018.35	5533.47	2766.74	13467.8	6743.96	0.93	-0.445	0.000	0.454
25.00	-32.63	-27.61	0.00	-2878.1	0.00	2878.10	5461.70	2730.85	13018.5	6518.96	1.46	-0.560	0.000	0.448
30.00	-31.31	-27.17	0.00	-2740.0	0.00	2740.05	5388.18	2694.09	12572.3	6295.53	2.11	-0.677	0.000	0.441
35.00	-30.01	-26.72	0.00	-2604.1	0.00	2604.19	5312.91	2656.45	12129.5	6073.81	2.88	-0.795	0.000	0.435
40.00	-28.76	-26.23	0.00	-2470.5	0.00	2470.58	5235.89	2617.95	11690.4	5853.93	3.78	-0.915	0.000	0.428
41.00	-28.49	-26.16	0.00	-2444.3	0.00	2444.35	5220.28	2610.14	11603.1	5810.18	3.97	-0.940	0.000	0.426
45.00	-26.71	-25.76	0.00	-2339.7	0.00	2339.71	5157.13	2578.57	11255.3	5636.01	4.80	-1.038	0.000	0.420
48.00	-25.40	-25.45	0.00	-2262.4	0.00	2262.44	4442.55	2221.27	9722.51	4868.48	5.48	-1.112	0.000	0.471
50.00	-24.95	-25.27	0.00	-2211.5	0.00	2211.54	4418.96	2209.48	9582.00	4798.12	5.96	-1.163	0.000	0.467
55.00	-23.90	-24.79	0.00	-2085.1	0.00	2085.18	4358.62	2179.31	9231.98	4622.85	7.25	-1.301	0.000	0.457
60.00	-22.87	-24.29	0.00	-1961.2	0.00	1961.25	4296.32	2148.16	8884.00	4448.60	8.69	-1.441	0.000	0.446
65.00	-21.86	-23.80	0.00	-1839.7	0.00	1839.79	4232.08	2116.04	8538.34	4275.52	10.27	-1.583	0.000	0.436
70.00	-20.88	-23.30	0.00	-1720.8	0.00	1720.81	4165.88	2082.94	8195.31	4103.74	12.01	-1.725	0.000	0.424
75.00	-19.93	-22.80	0.00	-1604.3	0.00	1604.33	4097.73	2048.86	7855.19	3933.43	13.89	-1.868	0.000	0.413
80.00	-18.99	-22.30	0.00	-1490.3	0.00	1490.34	4027.63	2013.81	7518.28	3764.73	15.92	-2.012	0.000	0.401
85.00	-18.08	-21.80	0.00	-1378.8	0.00	1378.84	3955.57	1977.79	7184.87	3597.77	18.11	-2.157	0.000	0.388
90.00	-16.41	-21.25	0.00	-1269.8	0.00	1269.84	3881.56	1940.78	6855.26	3432.73	20.45	-2.302	0.000	0.374
91.00	-16.07	-21.15	0.00	-1248.5	0.00	1248.59	3673.04	1836.52	6564.12	3286.94	20.93	-2.332	0.000	0.384
95.00	-15.37	-20.75	0.00	-1163.9	0.00	1163.98	3615.55	1807.77	6315.94	3162.67	22.94	-2.448	0.000	0.372
100.00	-14.52	-20.25	0.00	-1060.2	0.00	1060.22	3542.12	1771.06	6009.55	3009.24	25.57	-2.585	0.000	0.357
105.00	-13.70	-19.75	0.00	-958.97	0.00	958.97	3466.93	1733.47	5707.67	2858.08	28.35	-2.720	0.000	0.340
110.00	-12.91	-19.26	0.00	-860.21	0.00	860.21	3390.01	1695.00	5410.56	2709.30	31.27	-2.853	0.000	0.321
115.00	-12.14	-18.77	0.00	-763.93	0.00	763.93	3311.33	1655.67	5118.49	2563.05	34.33	-2.984	0.000	0.302
115.00	-12.14	-18.77	0.00	-763.93	0.00	763.93	2622.08	1311.04	4066.54	2036.29	34.33	-2.984	0.000	0.380
120.00	-11.50	-18.30	0.00	-670.09	0.00	670.09	2564.05	1282.02	3847.60	1926.66	37.52	-3.110	0.000	0.352
125.00	-10.88	-17.83	0.00	-578.61	0.00	578.61	2504.27	1252.13	3631.97	1818.69	40.86	-3.255	0.000	0.323
130.00	-10.28	-17.37	0.00	-489.45	0.00	489.45	2442.74	1221.37	3419.91	1712.49	44.34	-3.393	0.000	0.290
135.00	-9.30	-16.89	0.00	-402.58	0.00	402.58	1794.51	897.26	2468.50	1236.09	47.96	-3.520	0.000	0.331
140.00	-8.84	-16.45	0.00	-318.12	0.00	318.12	1752.60	876.30	2322.71	1163.08	51.71	-3.635	0.000	0.279
145.00	-8.40	-16.02	0.00	-235.87	0.00	235.87	1708.93	854.47	2178.91	1091.08	55.58	-3.752	0.000	0.221
150.00	-7.98	-15.59	0.00	-155.79	0.00	155.79	1663.52	831.76	2037.37	1020.20	59.56	-3.845	0.000	0.158
153.00	-5.02	-8.08	0.00	-109.02	0.00	109.02	1635.44	817.72	1953.63	978.27	61.99	-3.888	0.000	0.115
155.00	-4.86	-7.91	0.00	-92.86	0.00	92.86	1616.36	808.18	1898.33	950.58	63.63	-3.911	0.000	0.101
160.00	-4.53	-7.51	0.00	-53.28	0.00	53.28	1567.46	783.73	1762.08	882.35	67.75	-3.956	0.000	0.063
165.00	-1.55	-2.07	0.00	-15.73	0.00	15.73	1516.81	758.40	1628.87	815.65	71.90	-3.979	0.000	0.020
170.00	-1.26	-1.70	0.00	-5.37	0.00	5.37	1464.41	732.20	1498.97	750.60	76.07	-3.988	0.000	0.008
173.00	-0.11	-0.14	0.00	-0.29	0.00	0.29	1428.72	714.36	1419.33	710.72	78.57	-3.989	0.000	0.000
175.00	0.00	-0.13	0.00	0.00	0.00	0.00	1400.09	700.04	1362.73	682.38	80.24	-3.989	0.000	0.000

Wind Loading - Shaft

Structure:	CT03113-S-SBA	**Code:**	EIA/TIA-222-G	9/10/2021	
Site Name:	North Chaplin	**Exposure:**	B		
Height:	175.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 16	

Tower Engineering Solutions

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

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 23

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	4.256	4.68	0.00	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	4.256	4.68	0.00	1.200	1.656	5.00	28.413	34.10	159.6	673.7	2472.7
10.00		1.00	0.70	4.256	4.68	0.00	1.200	1.775	5.00	27.998	33.60	157.3	709.8	2474.4
15.00		1.00	0.70	4.256	4.68	0.00	1.200	1.848	5.00	27.546	33.05	154.7	726.0	2456.1
20.00		1.00	0.70	4.256	4.68	0.00	1.200	1.902	5.00	27.077	32.49	152.1	733.3	2429.0
25.00		1.00	0.70	4.256	4.68	0.00	1.200	1.945	5.00	26.599	31.92	149.4	735.6	2396.9
30.00		1.00	0.70	4.260	4.69	0.00	1.200	1.981	5.00	26.115	31.34	146.8	734.5	2361.3
35.00		1.00	0.73	4.451	4.90	0.00	1.200	2.012	5.00	25.627	30.75	150.6	731.0	2323.4
40.00		1.00	0.76	4.625	5.09	0.00	1.200	2.039	5.00	25.135	30.16	153.4	725.6	2283.6
41.00	Bot - Section 2	1.00	0.77	4.657	5.12	0.00	1.200	2.044	1.00	4.966	5.96	30.5	144.9	452.3
45.00		1.00	0.79	4.783	5.26	0.00	1.200	2.063	4.00	19.926	23.91	125.8	582.8	2857.1
48.00	Top - Section 1	1.00	0.80	4.872	5.36	0.00	1.200	2.076	3.00	14.736	17.68	94.8	434.4	2113.2
50.00		1.00	0.81	4.929	5.42	0.00	1.200	2.085	2.00	9.724	11.67	63.3	288.3	803.2
55.00		1.00	0.83	5.065	5.57	0.00	1.200	2.105	5.00	23.966	28.76	160.2	711.8	1978.5
60.00		1.00	0.85	5.193	5.71	0.00	1.200	2.123	5.00	23.468	28.16	160.9	702.1	1939.3
65.00		1.00	0.87	5.313	5.84	0.00	1.200	2.140	5.00	22.969	27.56	161.1	691.7	1899.3
70.00		1.00	0.89	5.426	5.97	0.00	1.200	2.156	5.00	22.468	26.96	160.9	680.7	1858.8
75.00		1.00	0.91	5.534	6.09	0.00	1.200	2.171	5.00	21.967	26.36	160.5	669.0	1817.7
80.00		1.00	0.93	5.637	6.20	0.00	1.200	2.185	5.00	21.465	25.76	159.7	656.9	1776.0
85.00	Bot - Section 3	1.00	0.94	5.736	6.31	0.00	1.200	2.198	5.00	20.962	25.15	158.7	644.4	1734.0
90.00		1.00	0.96	5.830	6.41	0.00	1.200	2.211	5.00	20.776	24.93	159.9	641.8	2780.2
91.00	Top - Section 2	1.00	0.96	5.849	6.43	0.00	1.200	2.214	1.00	4.094	4.91	31.6	127.8	548.4
95.00		1.00	0.97	5.921	6.51	0.00	1.200	2.223	4.00	16.177	19.41	126.4	502.8	1339.5
100.00		1.00	0.99	6.008	6.61	0.00	1.200	2.234	5.00	19.768	23.72	156.8	614.9	1634.2
105.00		1.00	1.00	6.093	6.70	0.00	1.200	2.245	5.00	19.263	23.12	154.9	601.0	1590.8
110.00		1.00	1.02	6.174	6.79	0.00	1.200	2.256	5.00	18.758	22.51	152.9	586.8	1547.1
115.00	Top - Section 3	1.00	1.03	6.253	6.88	0.00	1.200	2.266	5.00	18.253	21.90	150.7	572.3	1503.1
120.00		1.00	1.04	6.330	6.96	0.00	1.200	2.276	5.00	17.747	21.30	148.3	557.6	1309.9
125.00		1.00	1.05	6.404	7.04	0.00	1.200	2.285	5.00	17.241	20.69	145.7	542.6	1270.3
130.00	Bot - Section 5	1.00	1.07	6.476	7.12	0.00	1.200	2.294	5.00	16.735	20.08	143.1	527.4	1230.5
135.00	Top - Section 4	1.00	1.08	6.546	7.20	0.00	1.200	2.303	5.00	16.440	19.73	142.1	519.2	1749.7
140.00		1.00	1.09	6.615	7.28	0.00	1.200	2.311	5.00	15.933	19.12	139.1	503.6	1035.9
145.00		1.00	1.10	6.681	7.35	0.00	1.200	2.319	5.00	15.426	18.51	136.1	487.9	1000.5
150.00		1.00	1.11	6.746	7.42	0.00	1.200	2.327	5.00	14.919	17.90	132.9	471.9	964.9
153.00	Appurtenance(s)	1.00	1.12	6.785	7.46	0.00	1.200	2.332	3.00	8.707	10.45	78.0	277.4	563.7
155.00		1.00	1.12	6.810	7.49	0.00	1.200	2.335	2.00	5.703	6.84	51.3	182.3	369.3
160.00		1.00	1.13	6.872	7.56	0.00	1.200	2.342	5.00	13.904	16.68	126.1	439.6	893.2
165.00	Appurtenance(s)	1.00	1.14	6.933	7.63	0.00	1.200	2.349	5.00	13.396	16.08	122.6	423.1	857.1
170.00		1.00	1.15	6.992	7.69	0.00	1.200	2.356	5.00	12.888	15.47	119.0	406.6	820.8
173.00	Appurtenance(s)	1.00	1.16	7.027	7.73	0.00	1.200	2.360	3.00	7.489	8.99	69.5	237.9	477.1
175.00		1.00	1.16	7.050	7.76	0.00	1.200	2.363	2.00	4.891	5.87	45.5	155.9	311.4
								Totals:	**175.00**			**5,192.7**		**62,224.3**

Discrete Appurtenance Forces

Structure:	CT03113-S-SBA	**Code:**	EIA/TIA-222-G	9/10/2021	
Site Name:	North Chaplin	**Exposure:**	B		
Height:	175.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 17	

Tower Engineering Solutions

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

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 23

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	173.00	Low Profile Platform	1	7.027	7.730	1.00	1.00	53.32	2556.23	0.000	0.000	412.19	0.00	0.00
2	165.00	ALU 800 MHz	6	6.933	7.626	0.54	0.80	12.96	852.35	0.000	0.000	98.83	0.00	0.00
3	165.00	Low Profile Platform	1	6.933	7.626	1.00	1.00	29.40	2790.00	0.000	0.000	224.18	0.00	0.00
4	165.00	RFS APXVTM14-C-I20	3	6.933	7.626	0.63	0.80	14.93	895.41	0.000	0.000	113.82	0.00	0.00
5	165.00	Commscope	3	6.933	7.626	0.59	0.80	25.27	1234.41	0.000	0.000	192.73	0.00	0.00
6	165.00	ALU 1900 MHz	3	6.933	7.626	0.54	0.80	7.20	481.24	0.000	0.000	54.91	0.00	0.00
7	165.00	ALU TD-RRH8x20-25	3	6.933	7.626	0.54	0.80	8.32	730.96	0.000	0.000	63.44	0.00	0.00
8	165.00	Site Pro PRK-1245L	1	6.933	7.626	1.00	1.00	22.89	903.10	0.000	0.000	174.56	0.00	0.00
9	165.00	Site Pro SFS-H-L	1	6.933	7.626	1.00	1.00	16.14	464.48	0.000	0.000	123.11	0.00	0.00
10	165.00	Site Pro SPTB	1	6.933	7.626	1.00	1.00	20.24	777.34	0.000	0.000	154.35	0.00	0.00
11	153.00	MS-HRECP	1	6.785	7.463	1.00	1.00	28.24	1945.73	0.000	0.000	210.79	0.00	0.00
12	153.00	B5/B13 RRH-BR04C	3	6.785	7.463	0.54	0.80	4.28	555.66	0.000	0.000	31.93	0.00	0.00
13	153.00	B2/B66A RRH-BR049	3	6.785	7.463	0.54	0.80	4.28	636.28	0.000	0.000	31.93	0.00	0.00
14	153.00	CBC78T-DS-43	3	6.785	7.463	0.54	0.80	1.25	134.53	0.000	0.000	9.30	0.00	0.00
15	153.00	Bsamnt-sbs-2-2	3	6.785	7.463	1.00	1.00	5.76	-128.27	0.000	0.000	42.97	0.00	0.00
16	153.00	MT6407-77A	3	6.785	7.463	0.56	0.80	10.04	799.43	0.000	0.000	74.92	0.00	0.00
17	153.00	RFS DB-T1-6Z-8AB-0Z -	2	6.785	7.463	0.54	0.80	6.49	743.04	0.000	0.000	48.43	0.00	0.00
18	153.00	Antel LPA-80080/6CF	2	6.785	7.463	1.36	0.80	28.32	605.73	0.000	0.000	211.34	0.00	0.00
19	153.00	Antel LPA-80063/6CF	4	6.785	7.463	0.75	0.80	34.42	1744.88	0.000	0.000	256.90	0.00	0.00
20	153.00	Low Profile Platform	1	6.785	7.463	1.00	1.00	50.75	4036.95	0.000	0.000	378.77	0.00	0.00
21	153.00	JAHH-65B-R3B	6	6.785	7.463	0.66	0.80	43.60	2411.77	0.000	0.000	325.43	0.00	0.00
							Totals:		**25,171.24**			**3,234.83**		

Total Applied Force Summary

Structure:	CT03113-S-SBA		**Code:**	EIA/TIA-222-G	9/10/2021
Site Name:	North Chaplin		**Exposure:**	B	
Height:	175.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 18

Tower Engineering Solutions

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

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 23

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		159.62	2546.20	0.00	0.00
10.00		157.29	2547.92	0.00	0.00
15.00		154.75	2529.65	0.00	0.00
20.00		152.11	2502.57	0.00	0.00
25.00		149.43	2470.40	0.00	0.00
30.00		146.83	2434.88	0.00	0.00
35.00		150.58	2396.93	0.00	0.00
40.00		153.44	2357.16	0.00	0.00
41.00		30.53	467.05	0.00	0.00
45.00		125.80	2915.92	0.00	0.00
48.00		94.76	2157.33	0.00	0.00
50.00		63.26	832.60	0.00	0.00
55.00		160.24	2051.99	0.00	0.00
60.00		160.85	2012.79	0.00	0.00
65.00		161.07	1972.87	0.00	0.00
70.00		160.93	1932.31	0.00	0.00
75.00		160.47	1891.19	0.00	0.00
80.00		159.72	1849.58	0.00	0.00
85.00		158.71	1807.52	0.00	0.00
90.00		159.89	2853.76	0.00	0.00
91.00		31.61	563.14	0.00	0.00
95.00		126.43	1398.35	0.00	0.00
100.00		156.78	1707.77	0.00	0.00
105.00		154.93	1664.33	0.00	0.00
110.00		152.88	1620.61	0.00	0.00
115.00		150.66	1576.61	0.00	0.00
120.00		148.28	1383.42	0.00	0.00
125.00		145.75	1343.85	0.00	0.00
130.00		143.06	1304.07	0.00	0.00
135.00		142.06	1823.25	0.00	0.00
140.00		139.12	1109.44	0.00	0.00
145.00		136.05	1074.01	0.00	0.00
150.00		132.86	1038.40	0.00	0.00
153.00	(31) attachments	1700.70	14093.53	0.00	0.00
155.00		51.27	398.69	0.00	0.00
160.00		126.12	916.05	0.00	0.00
165.00	(22) attachments	1322.52	10009.25	0.00	0.00
170.00		118.95	820.83	0.00	0.00
173.00	(1) attachments	481.65	3033.29	0.00	0.00
175.00		45.51	311.42	0.00	0.00
	Totals:	**8,427.49**	**89,720.94**	**0.00**	**0.00**

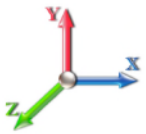
Calculated Forces

Structure:	CT03113-S-SBA	**Code:**	EIA/TIA-222-G	9/10/2021	
Site Name:	North Chaplin	**Exposure:**	B		
Height:	175.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 19	

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 23

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-89.72	-8.45	0.00	-1038.1	0.00	1038.14	5803.10	2901.55	15291.3	7657.05	0.00	0.000	0.000	0.151
5.00	-87.17	-8.34	0.00	-995.88	0.00	995.88	5738.32	2869.16	14832.1	7427.08	0.02	-0.031	0.000	0.149
10.00	-84.62	-8.23	0.00	-954.18	0.00	954.18	5671.78	2835.89	14374.9	7198.15	0.07	-0.063	0.000	0.147
15.00	-82.08	-8.12	0.00	-913.04	0.00	913.04	5603.50	2801.75	13920.1	6970.40	0.15	-0.096	0.000	0.146
20.00	-79.57	-8.01	0.00	-872.46	0.00	872.46	5533.47	2766.74	13467.8	6743.96	0.27	-0.128	0.000	0.144
25.00	-77.10	-7.89	0.00	-832.43	0.00	832.43	5461.70	2730.85	13018.5	6518.96	0.42	-0.162	0.000	0.142
30.00	-74.66	-7.78	0.00	-792.96	0.00	792.96	5388.18	2694.09	12572.3	6295.53	0.61	-0.195	0.000	0.140
35.00	-72.26	-7.67	0.00	-754.03	0.00	754.03	5312.91	2656.45	12129.5	6073.81	0.83	-0.230	0.000	0.138
40.00	-69.90	-7.53	0.00	-715.69	0.00	715.69	5235.89	2617.95	11690.4	5853.93	1.09	-0.264	0.000	0.136
41.00	-69.43	-7.52	0.00	-708.16	0.00	708.16	5220.28	2610.14	11603.1	5810.18	1.15	-0.272	0.000	0.135
45.00	-66.51	-7.41	0.00	-678.08	0.00	678.08	5157.13	2578.57	11255.3	5636.01	1.39	-0.300	0.000	0.133
48.00	-64.35	-7.32	0.00	-655.86	0.00	655.86	4442.55	2221.27	9722.51	4868.48	1.58	-0.322	0.000	0.149
50.00	-63.52	-7.28	0.00	-641.22	0.00	641.22	4418.96	2209.48	9582.00	4798.12	1.72	-0.336	0.000	0.148
55.00	-61.46	-7.16	0.00	-604.79	0.00	604.79	4358.62	2179.31	9231.98	4622.85	2.09	-0.376	0.000	0.145
60.00	-59.45	-7.02	0.00	-569.02	0.00	569.02	4296.32	2148.16	8884.00	4448.60	2.51	-0.417	0.000	0.142
65.00	-57.47	-6.89	0.00	-533.91	0.00	533.91	4232.08	2116.04	8538.34	4275.52	2.97	-0.458	0.000	0.138
70.00	-55.53	-6.75	0.00	-499.47	0.00	499.47	4165.88	2082.94	8195.31	4103.74	3.47	-0.499	0.000	0.135
75.00	-53.64	-6.61	0.00	-465.72	0.00	465.72	4097.73	2048.86	7855.19	3933.43	4.02	-0.541	0.000	0.132
80.00	-51.79	-6.47	0.00	-432.66	0.00	432.66	4027.63	2013.81	7518.28	3764.73	4.61	-0.583	0.000	0.128
85.00	-49.98	-6.33	0.00	-400.30	0.00	400.30	3955.57	1977.79	7184.87	3597.77	5.24	-0.625	0.000	0.124
90.00	-47.12	-6.16	0.00	-368.64	0.00	368.64	3881.56	1940.78	6855.26	3432.73	5.92	-0.667	0.000	0.120
91.00	-46.56	-6.14	0.00	-362.49	0.00	362.49	3673.04	1836.52	6564.12	3286.94	6.06	-0.676	0.000	0.123
95.00	-45.16	-6.02	0.00	-337.93	0.00	337.93	3615.55	1807.77	6315.94	3162.67	6.64	-0.709	0.000	0.119
100.00	-43.45	-5.88	0.00	-307.81	0.00	307.81	3542.12	1771.06	6009.55	3009.24	7.40	-0.749	0.000	0.115
105.00	-41.78	-5.73	0.00	-278.43	0.00	278.43	3466.93	1733.47	5707.67	2858.08	8.21	-0.788	0.000	0.109
110.00	-40.16	-5.58	0.00	-249.79	0.00	249.79	3390.01	1695.00	5410.56	2709.30	9.05	-0.827	0.000	0.104
115.00	-38.58	-5.43	0.00	-221.90	0.00	221.90	3311.33	1655.67	5118.49	2563.05	9.94	-0.865	0.000	0.098
115.00	-38.58	-5.43	0.00	-221.90	0.00	221.90	2622.08	1311.04	4066.54	2036.29	9.94	-0.865	0.000	0.124
120.00	-37.20	-5.29	0.00	-194.76	0.00	194.76	2564.05	1282.02	3847.60	1926.66	10.87	-0.902	0.000	0.116
125.00	-35.85	-5.14	0.00	-168.33	0.00	168.33	2504.27	1252.13	3631.97	1818.69	11.83	-0.944	0.000	0.107
130.00	-34.55	-5.00	0.00	-142.61	0.00	142.61	2442.74	1221.37	3419.91	1712.49	12.84	-0.984	0.000	0.097
135.00	-32.72	-4.85	0.00	-117.60	0.00	117.60	1794.51	897.26	2468.50	1236.09	13.90	-1.021	0.000	0.113
140.00	-31.61	-4.71	0.00	-93.36	0.00	93.36	1752.60	876.30	2322.71	1163.08	14.98	-1.055	0.000	0.098
145.00	-30.54	-4.57	0.00	-69.81	0.00	69.81	1708.93	854.47	2178.91	1091.08	16.11	-1.089	0.000	0.082
150.00	-29.50	-4.43	0.00	-46.97	0.00	46.97	1663.52	831.76	2037.37	1020.20	17.26	-1.117	0.000	0.064
153.00	-15.44	-2.45	0.00	-33.69	0.00	33.69	1635.44	817.72	1953.63	978.27	17.97	-1.130	0.000	0.044
155.00	-15.05	-2.40	0.00	-28.79	0.00	28.79	1616.36	808.18	1898.33	950.58	18.45	-1.137	0.000	0.040
160.00	-14.13	-2.25	0.00	-16.81	0.00	16.81	1567.46	783.73	1762.08	882.35	19.64	-1.151	0.000	0.028
165.00	-4.15	-0.73	0.00	-5.54	0.00	5.54	1516.81	758.40	1628.87	815.65	20.85	-1.159	0.000	0.010
170.00	-3.33	-0.59	0.00	-1.89	0.00	1.89	1464.41	732.20	1498.97	750.60	22.07	-1.161	0.000	0.005
173.00	-0.31	-0.05	0.00	-0.10	0.00	0.10	1428.72	714.36	1419.33	710.72	22.80	-1.162	0.000	0.000
175.00	0.00	-0.05	0.00	0.00	0.00	0.00	1400.09	700.04	1362.73	682.38	23.29	-1.162	0.000	0.000

Seismic Segment Forces (Factored)

Structure:	CT03113-S-SBA		**Code:**	EIA/TIA-222-G	9/10/2021
Site Name:	North Chaplin		**Exposure:**	B	
Height:	175.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 20

Tower Engineering Solutions

Load Case:	1.2D + 1.0E							**Iterations**	21
Gust Response Factor	1.10				**Sds**	0.18		**Ss**	0.17
Dead Load Factor	1.20	**Seismic Load Factor**		1.00	**Sd1**	0.10		**S1**	0.06
Wind Load Factor	0.00	**Structure Frequency (f1)**		0.37	**SA**	0.04	**Seismic Importance Factor**		1.00

Top Elev (ft)	Description	Wz (lb)	a	b	c	Lateral Fs (lb)	R: 1.50
0.00		0.00	0.00	0.00	0.00	0.00	
5.00		1499.1	0.00	0.03	0.02	22.79	
10.00		1470.4	0.01	0.05	0.03	33.78	
15.00		1441.7	0.01	0.06	0.03	39.24	
20.00		1413.0	0.02	0.07	0.04	41.83	
25.00		1384.3	0.04	0.07	0.04	42.92	
30.00		1355.7	0.06	0.07	0.04	43.29	
35.00		1327.0	0.08	0.07	0.04	43.36	
40.00		1298.3	0.10	0.07	0.04	43.32	
41.00	Bot - Section 2	256.22	0.10	0.07	0.04	8.59	
45.00		1895.2	0.12	0.07	0.03	64.52	
48.00	Top - Section 1	1399.0	0.14	0.07	0.03	48.13	
50.00		429.10	0.15	0.07	0.03	14.85	
55.00		1055.5	0.19	0.06	0.02	36.82	
60.00		1030.9	0.22	0.06	0.02	35.66	
65.00		1006.3	0.26	0.05	0.02	33.58	
70.00		981.77	0.30	0.04	0.01	30.25	
75.00		957.18	0.35	0.03	0.01	25.38	
80.00		932.59	0.39	0.02	0.01	18.82	
85.00	Bot - Section 3	908.00	0.45	0.00	0.01	10.73	
90.00		1782.0	0.50	-0.02	0.01	3.39	
91.00	Top - Section 2	350.50	0.51	-0.02	0.01	-0.07	
95.00		697.24	0.56	-0.04	0.01	-6.00	
100.00		849.42	0.62	-0.06	0.02	-15.62	
105.00		824.83	0.68	-0.08	0.03	-21.62	
110.00		800.24	0.75	-0.10	0.04	-24.94	
115.00	Top - Section 3	775.65	0.82	-0.11	0.06	-25.39	
120.00		626.94	0.89	-0.12	0.08	-19.25	
125.00		606.45	0.96	-0.12	0.11	-15.17	
130.00	Bot - Section 5	585.96	1.04	-0.10	0.15	-9.21	
135.00	Top - Section 4	1025.4	1.12	-0.05	0.20	-2.90	
140.00		443.57	1.21	0.01	0.26	6.06	
145.00		427.18	1.30	0.12	0.33	14.42	
150.00		410.79	1.39	0.26	0.42	23.61	
153.00	Appurtenance(s)	3806.2	1.44	0.37	0.48	279.65	
155.00		155.79	1.48	0.46	0.52	13.22	
160.00		378.00	1.58	0.72	0.64	43.86	
165.00	Appurtenance(s)	3705.8	1.68	1.05	0.78	559.58	
170.00		345.22	1.78	1.46	0.95	65.54	
173.00	Appurtenance(s)	1399.2	1.85	1.76	1.06	300.92	
175.00		129.56	1.89	1.98	1.14	30.14	
	Totals:	**42,167.9**				**1,838.1**	**Total Wind:** **29,838.6**

Seismic Base Shear is Less Than 50% of Wind Force - An Analysis is NOT Required

Calculated Forces

Structure:	CT03113-S-SBA	**Code:**	EIA/TIA-222-G	9/10/2021	
Site Name:	North Chaplin	**Exposure:**	B		
Height:	175.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 21	

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Load Case: 1.2D + 1.0E

Iterations 21

Gust Response Factor	1.10			**Sds**	0.18			**Ss**	0.17
Dead Load Factor	1.20	**Seismic Load Factor**	1.00	**Sd1**	0.10			**S1**	0.06
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.37	**SA**	0.04	**Seismic Importance Factor**			1.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-52.93	-1.98	0.00	-255.01	0.00	255.01	5803.10	2901.55	15291.3	7657.05		0.00	0.00	0.042
5.00	-51.05	-1.97	0.00	-245.10	0.00	245.10	5738.32	2869.16	14832.1	7427.08		0.00	-0.01	0.042
10.00	-49.22	-1.94	0.00	-235.28	0.00	235.28	5671.78	2835.89	14374.9	7198.15		0.02	-0.02	0.041
15.00	-47.41	-1.90	0.00	-225.59	0.00	225.59	5603.50	2801.75	13920.1	6970.40		0.04	-0.02	0.041
20.00	-45.64	-1.87	0.00	-216.07	0.00	216.07	5533.47	2766.74	13467.8	6743.96		0.07	-0.03	0.040
25.00	-43.91	-1.83	0.00	-206.72	0.00	206.72	5461.70	2730.85	13018.5	6518.96		0.10	-0.04	0.040
30.00	-42.21	-1.79	0.00	-197.57	0.00	197.57	5388.18	2694.09	12572.3	6295.53		0.15	-0.05	0.039
35.00	-40.54	-1.75	0.00	-188.61	0.00	188.61	5312.91	2656.45	12129.5	6073.81		0.21	-0.06	0.039
40.00	-38.91	-1.71	0.00	-179.84	0.00	179.84	5235.89	2617.95	11690.4	5853.93		0.27	-0.07	0.038
41.00	-38.59	-1.71	0.00	-178.13	0.00	178.13	5220.28	2610.14	11603.1	5810.18		0.28	-0.07	0.038
45.00	-36.25	-1.64	0.00	-171.31	0.00	171.31	5157.13	2578.57	11255.3	5636.01		0.34	-0.07	0.037
48.00	-34.53	-1.60	0.00	-166.38	0.00	166.38	4442.55	2221.27	9722.51	4868.48		0.39	-0.08	0.042
50.00	-33.99	-1.58	0.00	-163.19	0.00	163.19	4418.96	2209.48	9582.00	4798.12		0.43	-0.08	0.042
55.00	-32.65	-1.55	0.00	-155.27	0.00	155.27	4358.62	2179.31	9231.98	4622.85		0.52	-0.09	0.041
60.00	-31.33	-1.52	0.00	-147.52	0.00	147.52	4296.32	2148.16	8884.00	4448.60		0.62	-0.10	0.040
65.00	-30.05	-1.49	0.00	-139.93	0.00	139.93	4232.08	2116.04	8538.34	4275.52		0.74	-0.12	0.040
70.00	-28.80	-1.46	0.00	-132.49	0.00	132.49	4165.88	2082.94	8195.31	4103.74		0.86	-0.13	0.039
75.00	-27.58	-1.44	0.00	-125.18	0.00	125.18	4097.73	2048.86	7855.19	3933.43		1.00	-0.14	0.039
80.00	-26.39	-1.42	0.00	-117.99	0.00	117.99	4027.63	2013.81	7518.28	3764.73		1.15	-0.15	0.038
85.00	-25.22	-1.41	0.00	-110.89	0.00	110.89	3955.57	1977.79	7184.87	3597.77		1.31	-0.16	0.037
90.00	-23.01	-1.41	0.00	-103.82	0.00	103.82	3881.56	1940.78	6855.26	3432.73		1.49	-0.17	0.036
91.00	-22.58	-1.41	0.00	-102.42	0.00	102.42	3673.04	1836.52	6564.12	3286.94		1.52	-0.17	0.037
95.00	-21.68	-1.41	0.00	-96.79	0.00	96.79	3615.55	1807.77	6315.94	3162.67		1.67	-0.18	0.037
100.00	-20.59	-1.41	0.00	-89.75	0.00	89.75	3542.12	1771.06	6009.55	3009.24		1.87	-0.20	0.036
105.00	-19.52	-1.41	0.00	-82.71	0.00	82.71	3466.93	1733.47	5707.67	2858.08		2.08	-0.21	0.035
110.00	-18.49	-1.41	0.00	-75.66	0.00	75.66	3390.01	1695.00	5410.56	2709.30		2.31	-0.22	0.033
115.00	-17.48	-1.41	0.00	-68.62	0.00	68.62	3311.33	1655.67	5118.49	2563.05		2.54	-0.23	0.032
115.00	-17.48	-1.41	0.00	-68.62	0.00	68.62	2622.08	1311.04	4066.54	2036.29		2.54	-0.23	0.040
120.00	-16.66	-1.41	0.00	-61.58	0.00	61.58	2564.05	1282.02	3847.60	1926.66		2.79	-0.24	0.038
125.00	-15.86	-1.41	0.00	-54.54	0.00	54.54	2504.27	1252.13	3631.97	1818.69		3.05	-0.26	0.036
130.00	-15.08	-1.41	0.00	-47.49	0.00	47.49	2442.74	1221.37	3419.91	1712.49		3.32	-0.27	0.034
135.00	-13.77	-1.41	0.00	-40.45	0.00	40.45	1794.51	897.26	2468.50	1236.09		3.61	-0.28	0.040
140.00	-13.17	-1.40	0.00	-33.42	0.00	33.42	1752.60	876.30	2322.71	1163.08		3.91	-0.29	0.036
145.00	-12.58	-1.38	0.00	-26.42	0.00	26.42	1708.93	854.47	2178.91	1091.08		4.23	-0.31	0.032
150.00	-12.02	-1.36	0.00	-19.50	0.00	19.50	1663.52	831.76	2037.37	1020.20		4.55	-0.32	0.026
153.00	-7.41	-1.05	0.00	-15.42	0.00	15.42	1635.44	817.72	1953.63	978.27		4.75	-0.32	0.020
155.00	-7.19	-1.04	0.00	-13.32	0.00	13.32	1616.36	808.18	1898.33	950.58		4.89	-0.32	0.018
160.00	-6.71	-1.00	0.00	-8.11	0.00	8.11	1567.46	783.73	1762.08	882.35		5.23	-0.33	0.013
165.00	-2.25	-0.41	0.00	-3.14	0.00	3.14	1516.81	758.40	1628.87	815.65		5.58	-0.34	0.005
170.00	-1.83	-0.34	0.00	-1.09	0.00	1.09	1464.41	732.20	1498.97	750.60		5.93	-0.34	0.003
173.00	-0.16	-0.03	0.00	-0.06	0.00	0.06	1428.72	714.36	1419.33	710.72		6.14	-0.34	0.000
175.00	0.00	-0.03	0.00	0.00	0.00	0.00	1400.09	700.04	1362.73	682.38		6.29	-0.34	0.000

Seismic Segment Forces (Factored)

Structure:	CT03113-S-SBA	**Code:**	EIA/TIA-222-G	9/10/2021	
Site Name:	North Chaplin	**Exposure:**	B		
Height:	175.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 22	

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Load Case:	0.9D + 1.0E							**Iterations**	21
Gust Response Factor	1.10			**Sds**	0.18			**Ss**	0.17
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.10			**S1**	0.06
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.37	**SA**	0.04			**Seismic Importance Factor**	1.00

Top Elev (ft)	Description	Wz (lb)	a	b	c	Lateral Fs (lb)	R: 1.50
0.00		0.00	0.00	0.00	0.00	0.00	
5.00		1499.1	0.00	0.03	0.02	22.79	
10.00		1470.4	0.01	0.05	0.03	33.78	
15.00		1441.7	0.01	0.06	0.03	39.24	
20.00		1413.0	0.02	0.07	0.04	41.83	
25.00		1384.3	0.04	0.07	0.04	42.92	
30.00		1355.7	0.06	0.07	0.04	43.29	
35.00		1327.0	0.08	0.07	0.04	43.36	
40.00		1298.3	0.10	0.07	0.04	43.32	
41.00	Bot - Section 2	256.22	0.10	0.07	0.04	8.59	
45.00		1895.2	0.12	0.07	0.03	64.52	
48.00	Top - Section 1	1399.0	0.14	0.07	0.03	48.13	
50.00		429.10	0.15	0.07	0.03	14.85	
55.00		1055.5	0.19	0.06	0.02	36.82	
60.00		1030.9	0.22	0.06	0.02	35.66	
65.00		1006.3	0.26	0.05	0.02	33.58	
70.00		981.77	0.30	0.04	0.01	30.25	
75.00		957.18	0.35	0.03	0.01	25.38	
80.00		932.59	0.39	0.02	0.01	18.82	
85.00	Bot - Section 3	908.00	0.45	0.00	0.01	10.73	
90.00		1782.0	0.50	-0.02	0.01	3.39	
91.00	Top - Section 2	350.50	0.51	-0.02	0.01	-0.07	
95.00		697.24	0.56	-0.04	0.01	-6.00	
100.00		849.42	0.62	-0.06	0.02	-15.62	
105.00		824.83	0.68	-0.08	0.03	-21.62	
110.00		800.24	0.75	-0.10	0.04	-24.94	
115.00	Top - Section 3	775.65	0.82	-0.11	0.06	-25.39	
120.00		626.94	0.89	-0.12	0.08	-19.25	
125.00		606.45	0.96	-0.12	0.11	-15.17	
130.00	Bot - Section 5	585.96	1.04	-0.10	0.15	-9.21	
135.00	Top - Section 4	1025.4	1.12	-0.05	0.20	-2.90	
140.00		443.57	1.21	0.01	0.26	6.06	
145.00		427.18	1.30	0.12	0.33	14.42	
150.00		410.79	1.39	0.26	0.42	23.61	
153.00	Appurtenance(s)	3806.2	1.44	0.37	0.48	279.65	
155.00		155.79	1.48	0.46	0.52	13.22	
160.00		378.00	1.58	0.72	0.64	43.86	
165.00	Appurtenance(s)	3705.8	1.68	1.05	0.78	559.58	
170.00		345.22	1.78	1.46	0.95	65.54	
173.00	Appurtenance(s)	1399.2	1.85	1.76	1.06	300.92	
175.00		129.56	1.89	1.98	1.14	30.14	
	Totals:	**42,167.9**				**1,838.1**	**Total Wind:** **29,838.6**

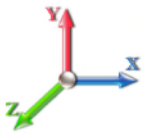
Seismic Base Shear is Less Than 50% of Wind Force - An Analysis is NOT Required

Calculated Forces

Structure:	CT03113-S-SBA	**Code:**	EIA/TIA-222-G	9/10/2021	
Site Name:	North Chaplin	**Exposure:**	B		
Height:	175.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 23	

Tower Engineering Solutions

Load Case: 0.9D + 1.0E



Gust Response Factor	1.10			**Sds**	0.18			**Iterations**	21
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.10			**Ss**	0.17
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.37	**SA**	0.04			**S1**	0.06
								Seismic Importance Factor	1.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-39.69	-1.98	0.00	-252.66	0.00	252.66	5803.10	2901.55	15291.3	7657.05		0.00	0.00	0.040
5.00	-38.29	-1.96	0.00	-242.76	0.00	242.76	5738.32	2869.16	14832.1	7427.08		0.00	-0.01	0.039
10.00	-36.91	-1.93	0.00	-232.95	0.00	232.95	5671.78	2835.89	14374.9	7198.15		0.02	-0.02	0.039
15.00	-35.56	-1.90	0.00	-223.28	0.00	223.28	5603.50	2801.75	13920.1	6970.40		0.04	-0.02	0.038
20.00	-34.23	-1.86	0.00	-213.79	0.00	213.79	5533.47	2766.74	13467.8	6743.96		0.07	-0.03	0.038
25.00	-32.93	-1.82	0.00	-204.49	0.00	204.49	5461.70	2730.85	13018.5	6518.96		0.10	-0.04	0.037
30.00	-31.65	-1.78	0.00	-195.38	0.00	195.38	5388.18	2694.09	12572.3	6295.53		0.15	-0.05	0.037
35.00	-30.40	-1.74	0.00	-186.46	0.00	186.46	5312.91	2656.45	12129.5	6073.81		0.20	-0.06	0.036
40.00	-29.18	-1.70	0.00	-177.75	0.00	177.75	5235.89	2617.95	11690.4	5853.93		0.27	-0.06	0.036
41.00	-28.94	-1.69	0.00	-176.05	0.00	176.05	5220.28	2610.14	11603.1	5810.18		0.28	-0.07	0.036
45.00	-27.19	-1.63	0.00	-169.28	0.00	169.28	5157.13	2578.57	11255.3	5636.01		0.34	-0.07	0.035
48.00	-25.90	-1.58	0.00	-164.39	0.00	164.39	4442.55	2221.27	9722.51	4868.48		0.39	-0.08	0.040
50.00	-25.49	-1.57	0.00	-161.22	0.00	161.22	4418.96	2209.48	9582.00	4798.12		0.42	-0.08	0.039
55.00	-24.48	-1.54	0.00	-153.37	0.00	153.37	4358.62	2179.31	9231.98	4622.85		0.51	-0.09	0.039
60.00	-23.50	-1.50	0.00	-145.69	0.00	145.69	4296.32	2148.16	8884.00	4448.60		0.62	-0.10	0.038
65.00	-22.54	-1.47	0.00	-138.18	0.00	138.18	4232.08	2116.04	8538.34	4275.52		0.73	-0.11	0.038
70.00	-21.60	-1.44	0.00	-130.82	0.00	130.82	4165.88	2082.94	8195.31	4103.74		0.86	-0.12	0.037
75.00	-20.68	-1.42	0.00	-123.60	0.00	123.60	4097.73	2048.86	7855.19	3933.43		0.99	-0.14	0.036
80.00	-19.79	-1.40	0.00	-116.50	0.00	116.50	4027.63	2013.81	7518.28	3764.73		1.14	-0.15	0.036
85.00	-18.92	-1.39	0.00	-109.49	0.00	109.49	3955.57	1977.79	7184.87	3597.77		1.30	-0.16	0.035
90.00	-17.26	-1.39	0.00	-102.52	0.00	102.52	3881.56	1940.78	6855.26	3432.73		1.47	-0.17	0.034
91.00	-16.93	-1.39	0.00	-101.13	0.00	101.13	3673.04	1836.52	6564.12	3286.94		1.51	-0.17	0.035
95.00	-16.26	-1.39	0.00	-95.57	0.00	95.57	3615.55	1807.77	6315.94	3162.67		1.66	-0.18	0.035
100.00	-15.44	-1.39	0.00	-88.63	0.00	88.63	3542.12	1771.06	6009.55	3009.24		1.85	-0.19	0.034
105.00	-14.64	-1.39	0.00	-81.68	0.00	81.68	3466.93	1733.47	5707.67	2858.08		2.06	-0.20	0.033
110.00	-13.87	-1.39	0.00	-74.73	0.00	74.73	3390.01	1695.00	5410.56	2709.30		2.28	-0.22	0.032
115.00	-13.11	-1.39	0.00	-67.78	0.00	67.78	3311.33	1655.67	5118.49	2563.05		2.51	-0.23	0.030
115.00	-13.11	-1.39	0.00	-67.78	0.00	67.78	2622.08	1311.04	4066.54	2036.29		2.51	-0.23	0.038
120.00	-12.49	-1.39	0.00	-60.83	0.00	60.83	2564.05	1282.02	3847.60	1926.66		2.76	-0.24	0.036
125.00	-11.89	-1.39	0.00	-53.88	0.00	53.88	2504.27	1252.13	3631.97	1818.69		3.01	-0.25	0.034
130.00	-11.31	-1.39	0.00	-46.93	0.00	46.93	2442.74	1221.37	3419.91	1712.49		3.29	-0.26	0.032
135.00	-10.33	-1.39	0.00	-39.98	0.00	39.98	1794.51	897.26	2468.50	1236.09		3.57	-0.28	0.038
140.00	-9.87	-1.38	0.00	-33.04	0.00	33.04	1752.60	876.30	2322.71	1163.08		3.87	-0.29	0.034
145.00	-9.44	-1.37	0.00	-26.13	0.00	26.13	1708.93	854.47	2178.91	1091.08		4.18	-0.30	0.029
150.00	-9.01	-1.34	0.00	-19.30	0.00	19.30	1663.52	831.76	2037.37	1020.20		4.50	-0.31	0.024
153.00	-5.55	-1.04	0.00	-15.27	0.00	15.27	1635.44	817.72	1953.63	978.27		4.70	-0.32	0.019
155.00	-5.39	-1.03	0.00	-13.19	0.00	13.19	1616.36	808.18	1898.33	950.58		4.83	-0.32	0.017
160.00	-5.03	-0.98	0.00	-8.03	0.00	8.03	1567.46	783.73	1762.08	882.35		5.17	-0.33	0.012
165.00	-1.68	-0.41	0.00	-3.11	0.00	3.11	1516.81	758.40	1628.87	815.65		5.52	-0.33	0.005
170.00	-1.37	-0.34	0.00	-1.08	0.00	1.08	1464.41	732.20	1498.97	750.60		5.86	-0.33	0.002
173.00	-0.12	-0.03	0.00	-0.06	0.00	0.06	1428.72	714.36	1419.33	710.72		6.07	-0.33	0.000
175.00	0.00	-0.03	0.00	0.00	0.00	0.00	1400.09	700.04	1362.73	682.38		6.21	-0.33	0.000

Wind Loading - Shaft

Structure:	CT03113-S-SBA	**Code:**	EIA/TIA-222-G	9/10/2021	
Site Name:	North Chaplin	**Exposure:**	B		
Height:	175.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 24	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 22

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	6.129	6.74	273.99	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	6.129	6.74	268.83	0.650	0.000	5.00	27.033	17.57	118.5	0.0	1499.1
10.00		1.00	0.70	6.129	6.74	263.67	0.650	0.000	5.00	26.519	17.24	116.2	0.0	1470.4
15.00		1.00	0.70	6.129	6.74	258.51	0.650	0.000	5.00	26.005	16.90	114.0	0.0	1441.8
20.00		1.00	0.70	6.129	6.74	253.35	0.650	0.000	5.00	25.491	16.57	111.7	0.0	1413.1
25.00		1.00	0.70	6.129	6.74	248.19	0.650	0.000	5.00	24.978	16.24	109.5	0.0	1384.4
30.00		1.00	0.70	6.134	6.75	243.14	0.650	0.000	5.00	24.464	15.90	107.3	0.0	1355.7
35.00		1.00	0.73	6.410	7.05	243.28	0.650	0.000	5.00	23.950	15.57	109.8	0.0	1327.0
40.00		1.00	0.76	6.659	7.33	242.59	0.650	0.000	5.00	23.436	15.23	111.6	0.0	1298.3
41.00	Bot - Section 2	1.00	0.77	6.706	7.38	242.36	0.650	0.000	1.00	4.626	3.01	22.2	0.0	256.2
45.00		1.00	0.79	6.887	7.58	241.23	0.650	0.000	4.00	18.551	12.06	91.4	0.0	1895.2
48.00	Top - Section 1	1.00	0.80	7.015	7.72	240.16	0.650	0.000	3.00	13.697	8.90	68.7	0.0	1399.0
50.00		1.00	0.81	7.098	7.81	242.77	0.650	0.000	2.00	9.029	5.87	45.8	0.0	429.1
55.00		1.00	0.83	7.294	8.02	240.47	0.650	0.000	5.00	22.212	14.44	115.8	0.0	1055.5
60.00		1.00	0.85	7.477	8.22	237.78	0.650	0.000	5.00	21.699	14.10	116.0	0.0	1030.9
65.00		1.00	0.87	7.650	8.42	234.75	0.650	0.000	5.00	21.185	13.77	115.9	0.0	1006.4
70.00		1.00	0.89	7.814	8.60	231.43	0.650	0.000	5.00	20.671	13.44	115.5	0.0	981.8
75.00		1.00	0.91	7.969	8.77	227.84	0.650	0.000	5.00	20.157	13.10	114.9	0.0	957.2
80.00		1.00	0.93	8.118	8.93	224.01	0.650	0.000	5.00	19.644	12.77	114.0	0.0	932.6
85.00	Bot - Section 3	1.00	0.94	8.260	9.09	219.97	0.650	0.000	5.00	19.130	12.43	113.0	0.0	908.0
90.00		1.00	0.96	8.396	9.24	215.74	0.650	0.000	5.00	18.933	12.31	113.7	0.0	1782.0
91.00	Top - Section 2	1.00	0.96	8.422	9.26	214.87	0.650	0.000	1.00	3.725	2.42	22.4	0.0	350.5
95.00		1.00	0.97	8.526	9.38	215.09	0.650	0.000	4.00	14.695	9.55	89.6	0.0	697.2
100.00		1.00	0.99	8.652	9.52	210.54	0.650	0.000	5.00	17.906	11.64	110.8	0.0	849.4
105.00		1.00	1.00	8.774	9.65	205.84	0.650	0.000	5.00	17.392	11.30	109.1	0.0	824.8
110.00		1.00	1.02	8.891	9.78	201.00	0.650	0.000	5.00	16.878	10.97	107.3	0.0	800.2
115.00	Top - Section 3	1.00	1.03	9.005	9.91	196.03	0.650	0.000	5.00	16.365	10.64	105.4	0.0	775.6
120.00		1.00	1.04	9.115	10.03	190.93	0.650	0.000	5.00	15.851	10.30	103.3	0.0	626.9
125.00		1.00	1.05	9.222	10.14	185.72	0.650	0.000	5.00	15.337	9.97	101.1	0.0	606.4
130.00	Bot - Section 5	1.00	1.07	9.326	10.26	180.40	0.650	0.000	5.00	14.823	9.64	98.8	0.0	586.0
135.00	Top - Section 4	1.00	1.08	9.427	10.37	174.98	0.650	0.000	5.00	14.521	9.44	97.9	0.0	1025.4
140.00		1.00	1.09	9.525	10.48	172.11	0.650	0.000	5.00	14.007	9.10	95.4	0.0	443.6
145.00		1.00	1.10	9.621	10.58	166.51	0.650	0.000	5.00	13.494	8.77	92.8	0.0	427.2
150.00		1.00	1.11	9.715	10.69	160.83	0.650	0.000	5.00	12.980	8.44	90.2	0.0	410.8
153.00	Appurtenance(s)	1.00	1.12	9.770	10.75	157.37	0.650	0.000	3.00	7.541	4.90	52.7	0.0	238.6
155.00		1.00	1.12	9.806	10.79	155.06	0.650	0.000	2.00	4.925	3.20	34.5	0.0	155.8
160.00		1.00	1.13	9.896	10.89	149.21	0.650	0.000	5.00	11.952	7.77	84.6	0.0	378.0
165.00	Appurtenance(s)	1.00	1.14	9.983	10.98	143.28	0.650	0.000	5.00	11.439	7.44	81.6	0.0	361.6
170.00		1.00	1.15	10.069	11.08	137.28	0.650	0.000	5.00	10.925	7.10	78.6	0.0	345.2
173.00	Appurtenance(s)	1.00	1.16	10.119	11.13	133.65	0.650	0.000	3.00	6.308	4.10	45.6	0.0	199.3
175.00		1.00	1.16	10.152	11.17	131.21	0.650	0.000	2.00	4.103	2.67	29.8	0.0	129.6
								Totals:	**175.00**			**3,676.8**		**34,056.0**

Discrete Appurtenance Forces

Structure:	CT03113-S-SBA	**Code:**	EIA/TIA-222-G	9/10/2021	
Site Name:	North Chaplin	**Exposure:**	B		
Height:	175.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 25	

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 22

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	173.00	Low Profile Platform	1	10.119	11.131	1.00	1.00	25.00	1200.00	0.000	0.000	278.27	0.00	0.00
2	165.00	ALU 800 MHz	6	9.983	10.981	0.54	0.80	8.01	318.00	0.000	0.000	87.94	0.00	0.00
3	165.00	Low Profile Platform	1	9.983	10.981	1.00	1.00	20.00	1311.00	0.000	0.000	219.63	0.00	0.00
4	165.00	RFS APXVTM14-C-I20	3	9.983	10.981	0.63	0.80	12.02	168.00	0.000	0.000	132.00	0.00	0.00
5	165.00	Commscope	3	9.983	10.981	0.59	0.80	21.79	232.20	0.000	0.000	239.30	0.00	0.00
6	165.00	ALU 1900 MHz	3	9.983	10.981	0.54	0.80	4.45	180.00	0.000	0.000	48.91	0.00	0.00
7	165.00	ALU TD-RRH8x20-25	3	9.983	10.981	0.54	0.80	6.51	210.00	0.000	0.000	71.51	0.00	0.00
8	165.00	Site Pro PRK-1245L	1	9.983	10.981	1.00	1.00	9.50	466.00	0.000	0.000	104.32	0.00	0.00
9	165.00	Site Pro SFS-H-L	1	9.983	10.981	1.00	1.00	6.70	195.00	0.000	0.000	73.58	0.00	0.00
10	165.00	Site Pro SPTB	1	9.983	10.981	1.00	1.00	8.40	264.00	0.000	0.000	92.24	0.00	0.00
11	153.00	MS-HRECP	1	9.770	10.747	1.00	1.00	12.25	514.00	0.000	0.000	131.65	0.00	0.00
12	153.00	B5/B13 RRH-BR04C	3	9.770	10.747	0.54	0.80	3.01	210.90	0.000	0.000	32.32	0.00	0.00
13	153.00	B2/B66A RRH-BR049	3	9.770	10.747	0.54	0.80	3.01	253.20	0.000	0.000	32.32	0.00	0.00
14	153.00	CBC78T-DS-43	3	9.770	10.747	0.54	0.80	0.59	31.20	0.000	0.000	6.39	0.00	0.00
15	153.00	Bsamnt-sbs-2-2	3	9.770	10.747	1.00	1.00	2.40	202.38	0.000	0.000	25.79	0.00	0.00
16	153.00	MT6407-77A	3	9.770	10.747	0.56	0.80	7.88	238.20	0.000	0.000	84.68	0.00	0.00
17	153.00	RFS DB-T1-6Z-8AB-0Z -	2	9.770	10.747	0.54	0.80	5.15	88.00	0.000	0.000	55.30	0.00	0.00
18	153.00	Antel LPA-80080/6CF	2	9.770	10.747	1.36	0.80	23.45	42.00	0.000	0.000	251.98	0.00	0.00
19	153.00	Antel LPA-80063/6CF	4	9.770	10.747	0.75	0.80	28.85	108.00	0.000	0.000	310.02	0.00	0.00
20	153.00	Low Profile Platform	1	9.770	10.747	1.00	1.00	22.00	1500.00	0.000	0.000	236.43	0.00	0.00
21	153.00	JAHH-65B-R3B	6	9.770	10.747	0.66	0.80	36.29	379.80	0.000	0.000	390.05	0.00	0.00
							Totals:		**8,111.88**			**2,904.63**		

Total Applied Force Summary

Structure:	CT03113-S-SBA		**Code:**	EIA/TIA-222-G	9/10/2021
Site Name:	North Chaplin		**Exposure:**	B	
Height:	175.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 26

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 22

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		118.46	1560.42	0.00	0.00
10.00		116.21	1531.73	0.00	0.00
15.00		113.95	1503.04	0.00	0.00
20.00		111.70	1474.35	0.00	0.00
25.00		109.45	1445.67	0.00	0.00
30.00		107.29	1416.98	0.00	0.00
35.00		109.77	1388.29	0.00	0.00
40.00		111.59	1359.60	0.00	0.00
41.00		22.18	268.48	0.00	0.00
45.00		91.35	1944.24	0.00	0.00
48.00		68.71	1435.80	0.00	0.00
50.00		45.82	453.61	0.00	0.00
55.00		115.84	1116.81	0.00	0.00
60.00		116.01	1092.22	0.00	0.00
65.00		115.88	1067.64	0.00	0.00
70.00		115.49	1043.05	0.00	0.00
75.00		114.86	1018.46	0.00	0.00
80.00		114.02	993.87	0.00	0.00
85.00		112.97	969.28	0.00	0.00
90.00		113.65	1843.28	0.00	0.00
91.00		22.43	362.76	0.00	0.00
95.00		89.58	746.26	0.00	0.00
100.00		110.77	910.70	0.00	0.00
105.00		109.10	886.11	0.00	0.00
110.00		107.30	861.52	0.00	0.00
115.00		105.36	836.93	0.00	0.00
120.00		103.30	688.22	0.00	0.00
125.00		101.13	667.73	0.00	0.00
130.00		98.84	647.24	0.00	0.00
135.00		97.87	1086.71	0.00	0.00
140.00		95.40	504.85	0.00	0.00
145.00		92.83	488.46	0.00	0.00
150.00		90.16	472.07	0.00	0.00
153.00	(31) attachments	1609.61	3843.05	0.00	0.00
155.00		34.53	180.30	0.00	0.00
160.00		84.57	397.08	0.00	0.00
165.00	(22) attachments	1151.08	3724.89	0.00	0.00
170.00		78.65	345.22	0.00	0.00
173.00	(1) attachments	323.91	1399.26	0.00	0.00
175.00		29.78	129.56	0.00	0.00
	Totals:	**6,581.40**	**44,105.72**	**0.00**	**0.00**

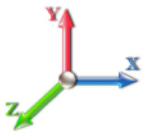
Calculated Forces

Structure:	CT03113-S-SBA	**Code:**	EIA/TIA-222-G	9/10/2021	
Site Name:	North Chaplin	**Exposure:**	B		
Height:	175.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 27	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 22

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-44.10	-6.59	0.00	-797.24	0.00	797.24	5803.10	2901.55	15291.3	7657.05	0.00	0.000	0.000	0.112
5.00	-42.54	-6.49	0.00	-764.29	0.00	764.29	5738.32	2869.16	14832.1	7427.08	0.01	-0.024	0.000	0.110
10.00	-41.01	-6.39	0.00	-731.84	0.00	731.84	5671.78	2835.89	14374.9	7198.15	0.05	-0.049	0.000	0.109
15.00	-39.50	-6.29	0.00	-699.89	0.00	699.89	5603.50	2801.75	13920.1	6970.40	0.12	-0.073	0.000	0.107
20.00	-38.02	-6.19	0.00	-668.44	0.00	668.44	5533.47	2766.74	13467.8	6743.96	0.21	-0.098	0.000	0.106
25.00	-36.58	-6.10	0.00	-637.46	0.00	637.46	5461.70	2730.85	13018.5	6518.96	0.32	-0.124	0.000	0.104
30.00	-35.16	-6.00	0.00	-606.97	0.00	606.97	5388.18	2694.09	12572.3	6295.53	0.47	-0.150	0.000	0.103
35.00	-33.77	-5.91	0.00	-576.95	0.00	576.95	5312.91	2656.45	12129.5	6073.81	0.64	-0.176	0.000	0.101
40.00	-32.41	-5.80	0.00	-547.43	0.00	547.43	5235.89	2617.95	11690.4	5853.93	0.84	-0.203	0.000	0.100
41.00	-32.14	-5.78	0.00	-541.63	0.00	541.63	5220.28	2610.14	11603.1	5810.18	0.88	-0.208	0.000	0.099
45.00	-30.19	-5.69	0.00	-518.49	0.00	518.49	5157.13	2578.57	11255.3	5636.01	1.06	-0.230	0.000	0.098
48.00	-28.75	-5.63	0.00	-501.41	0.00	501.41	4442.55	2221.27	9722.51	4868.48	1.21	-0.246	0.000	0.109
50.00	-28.30	-5.59	0.00	-490.16	0.00	490.16	4418.96	2209.48	9582.00	4798.12	1.32	-0.258	0.000	0.109
55.00	-27.18	-5.48	0.00	-462.21	0.00	462.21	4358.62	2179.31	9231.98	4622.85	1.61	-0.288	0.000	0.106
60.00	-26.08	-5.38	0.00	-434.80	0.00	434.80	4296.32	2148.16	8884.00	4448.60	1.92	-0.319	0.000	0.104
65.00	-25.01	-5.27	0.00	-407.92	0.00	407.92	4232.08	2116.04	8538.34	4275.52	2.28	-0.351	0.000	0.101
70.00	-23.97	-5.16	0.00	-381.59	0.00	381.59	4165.88	2082.94	8195.31	4103.74	2.66	-0.382	0.000	0.099
75.00	-22.95	-5.05	0.00	-355.80	0.00	355.80	4097.73	2048.86	7855.19	3933.43	3.08	-0.414	0.000	0.096
80.00	-21.95	-4.94	0.00	-330.56	0.00	330.56	4027.63	2013.81	7518.28	3764.73	3.53	-0.446	0.000	0.093
85.00	-20.98	-4.83	0.00	-305.86	0.00	305.86	3955.57	1977.79	7184.87	3597.77	4.01	-0.478	0.000	0.090
90.00	-19.14	-4.71	0.00	-281.71	0.00	281.71	3881.56	1940.78	6855.26	3432.73	4.53	-0.510	0.000	0.087
91.00	-18.77	-4.69	0.00	-277.00	0.00	277.00	3673.04	1836.52	6564.12	3286.94	4.64	-0.517	0.000	0.089
95.00	-18.03	-4.60	0.00	-258.25	0.00	258.25	3615.55	1807.77	6315.94	3162.67	5.08	-0.543	0.000	0.087
100.00	-17.11	-4.49	0.00	-235.26	0.00	235.26	3542.12	1771.06	6009.55	3009.24	5.67	-0.573	0.000	0.083
105.00	-16.23	-4.38	0.00	-212.81	0.00	212.81	3466.93	1733.47	5707.67	2858.08	6.28	-0.603	0.000	0.079
110.00	-15.36	-4.27	0.00	-190.92	0.00	190.92	3390.01	1695.00	5410.56	2709.30	6.93	-0.632	0.000	0.075
115.00	-14.53	-4.16	0.00	-169.57	0.00	169.57	3311.33	1655.67	5118.49	2563.05	7.61	-0.661	0.000	0.071
115.00	-14.53	-4.16	0.00	-169.57	0.00	169.57	2622.08	1311.04	4066.54	2036.29	7.61	-0.661	0.000	0.089
120.00	-13.84	-4.06	0.00	-148.75	0.00	148.75	2564.05	1282.02	3847.60	1926.66	8.32	-0.690	0.000	0.083
125.00	-13.17	-3.96	0.00	-128.46	0.00	128.46	2504.27	1252.13	3631.97	1818.69	9.06	-0.722	0.000	0.076
130.00	-12.52	-3.86	0.00	-108.68	0.00	108.68	2442.74	1221.37	3419.91	1712.49	9.83	-0.752	0.000	0.069
135.00	-11.43	-3.75	0.00	-89.40	0.00	89.40	1794.51	897.26	2468.50	1236.09	10.63	-0.781	0.000	0.079
140.00	-10.93	-3.65	0.00	-70.65	0.00	70.65	1752.60	876.30	2322.71	1163.08	11.46	-0.806	0.000	0.067
145.00	-10.44	-3.56	0.00	-52.39	0.00	52.39	1708.93	854.47	2178.91	1091.08	12.32	-0.832	0.000	0.054
150.00	-9.97	-3.46	0.00	-34.61	0.00	34.61	1663.52	831.76	2037.37	1020.20	13.21	-0.853	0.000	0.040
153.00	-6.15	-1.80	0.00	-24.23	0.00	24.23	1635.44	817.72	1953.63	978.27	13.75	-0.862	0.000	0.029
155.00	-5.97	-1.76	0.00	-20.64	0.00	20.64	1616.36	808.18	1898.33	950.58	14.11	-0.867	0.000	0.025
160.00	-5.57	-1.67	0.00	-11.85	0.00	11.85	1567.46	783.73	1762.08	882.35	15.02	-0.877	0.000	0.017
165.00	-1.87	-0.46	0.00	-3.50	0.00	3.50	1516.81	758.40	1628.87	815.65	15.94	-0.883	0.000	0.006
170.00	-1.52	-0.38	0.00	-1.19	0.00	1.19	1464.41	732.20	1498.97	750.60	16.87	-0.884	0.000	0.003
173.00	-0.13	-0.03	0.00	-0.06	0.00	0.06	1428.72	714.36	1419.33	710.72	17.43	-0.885	0.000	0.000
175.00	0.00	-0.03	0.00	0.00	0.00	0.00	1400.09	700.04	1362.73	682.38	17.80	-0.885	0.000	0.000

Final Analysis Summary

Structure:	CT03113-S-SBA		**Code:**	EIA/TIA-222-G	9/10/2021
Site Name:	North Chaplin		**Exposure:**	B	
Height:	175.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 28

Tower Engineering Solutions

Reactions

Load Case	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)
1.2D + 1.6W 101 mph Wind	29.9	0.00	52.90	0.00	0.00	3633.29
0.9D + 1.6W 101 mph Wind	29.9	0.00	39.67	0.00	0.00	3602.03
1.2D + 1.0Di + 1.0Wi 50 mph Wind	8.5	0.00	89.72	0.00	0.00	1038.14
1.2D + 1.0E	2.0	0.00	52.93	0.00	0.00	255.01
0.9D + 1.0E	2.0	0.00	39.69	0.00	0.00	252.66
1.0D + 1.0W 60 mph Wind	6.6	0.00	44.10	0.00	0.00	797.24

Max Stresses

Load Case	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Elev (ft)	Stress Ratio
1.2D + 1.6W 101 mph Wind	-52.90	-29.89	0.00	-3633.2	0.00	-3633.2	5803.10	2901.5	15291.3	7657.05	0.00	0.484
0.9D + 1.6W 101 mph Wind	-39.67	-29.88	0.00	-3602.0	0.00	-3602.0	5803.10	2901.5	15291.3	7657.05	0.00	0.477
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-89.72	-8.45	0.00	-1038.1	0.00	-1038.1	5803.10	2901.5	15291.3	7657.05	0.00	0.151
1.2D + 1.0E	-52.93	-1.98	0.00	-255.01	0.00	-255.01	5803.10	2901.5	15291.3	7657.05	0.00	0.042
0.9D + 1.0E	-39.69	-1.98	0.00	-252.66	0.00	-252.66	5803.10	2901.5	15291.3	7657.05	0.00	0.040
1.0D + 1.0W 60 mph Wind	-44.10	-6.59	0.00	-797.24	0.00	-797.24	5803.10	2901.5	15291.3	7657.05	0.00	0.112

Monopole Mat Foundation Design

			Date: 9/10/2021
Customer Name:	Verizon	**EIA/TIA Standard:**	EIA-222-G
Site Name:		**Structure Height (Ft.):**	175
Site Number:	CT03113-S-SBA	**Engineer Name:**	I. Dhakal
Engr. Number:	115598	**Engineer Login ID:**	

Foundation Info Obtained from: Mapping Operation

Structure Type: Monopole

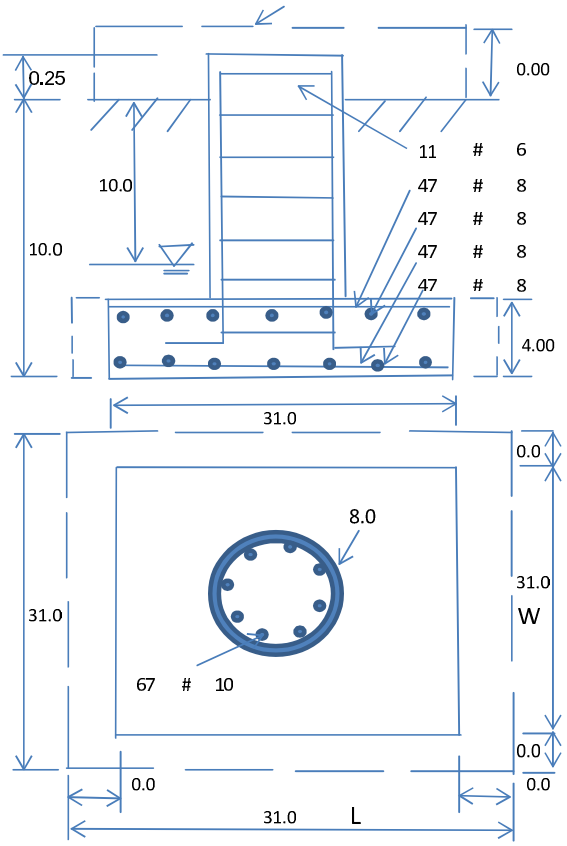
Analysis or Design? Analysis

Base Reactions (Factored):

Axial Load (Kips):	52.9	Shear Force (Kips):	29.9
Uplift Force (Kips):	0.0	Moment (Kips-ft):	3633.3
Allowable overstress %:	5.0%		

Foundation Geometries:

		Mods required -Yes/No ?:	No
Diameter of Pier (ft.):	8.0	Depth of Base BG (ft.):	10.0
Pier Height A. G. (ft.):	0.25	Thickness of Pad (ft):	4.00
Length of Pad (ft.):	31	Width of Pad (ft.):	31
Final Length of pad (ft)	31.0	Final width of pad (ft):	31.0



Material Properties and Reabr Info:

Concrete Strength (psi):	3500	Steel Elastic Modulus:	29000	ksi
Vertical bar yield (ksi)	60	Tie steel yield (ksi):	60	
Vertical Rebar Size #:	10	Tie / Stirrup Size #:	6	
Qty. of Vertical Rebars:	67	Tie Spacing (in):	12.0	
Pad Rebar Yield (Ksi):	60	Pad Steel Rebar Size (#):	8	
Concrete Cover (in.):	3	Unit Weight of Concrete:	150.0	pcf
Rebar at the bottom of the concrete pad:				
Qty. of Rebar in Pad (L):	47	Qty. of Rebar in Pad (W):	47	
Rebar at the top of the concrete pad:				
Qty. of Rebar in Pad (L):	47	Qty. of Rebar in Pad (W):	47	
Apply 1.35 factor for e/w Per G:	1.35			

Soil Design Parameters:

Soil Unit Weight (pcf):	135.0	Soil Buoyant Weight:	50.0	Pcf		
Water Table B.G.S. (ft):	10.0	Unit Weight of Water:	62.4	pcf	Angle from Top of Pad:	30
Ultimate Bearing Pressure (psf):	30000	Ultimate Skin Friction:		Psf	Angle from Bottm of Pad:	25
Consider Friction for O.T.M. (Y/N):	No	Consider Friction for bearing (Y/N):	Yes		Angle from Bottm of Pad:	25
Consider soil hor. resist. for OTM.:	Yes	Reduction factor on the maximum soil bearing pressure:				1.00

Foundation Analysis and Design: Uplift Strength Reduction Factor: 0.75 — Compression Strength Reduction Factor: 0.75

Total Dry Soil Volume (cu. Ft.):	5464.41	Total Dry Soil Weight (Kips):	737.69
Total Buoyant Soil Volume (cu. Ft.):	0.00	Total Buoyant Soil Weight (Kips):	0.00
Total Effective Soil Weight (Kips):	737.69	Weight from the Concrete Block at Top (K):	0.00
Total Dry Concrete Volume (cu. Ft.):	4158.16	Total Dry Concrete Weight (Kips):	623.72
Total Buoyant Concrete Volume (cu. Ft.):	0.00	Total Buoyant Concrete Weight (Kips):	0.00
Total Effective Concrete Weight (Kips):	623.72	Total Vertical Load on Base (Kips):	1414.32

Check Soil Capacities:

					Load/ Capacity Ratio	
Calculated Maxium Net Soil Pressure under the base (psf):	2321	<	Allowable Factored Soil Bearing (psf):	22500	0.10	OK!
Allowable Foundation Overturning Resistance (kips-ft.):	19811.7	>	Design Factored Momont (kips-ft):	3195	0.16	OK!
Factor of Safety Against Overturning (O. R. Moment/Design Moment):	6.20	OK!				

Check the capacities of Reinforceing Concrete:

Strength reduction factor (Flexure and axial tension):
Strength reduction factor (Axial compresion):
Strength reduction factor (Shear):
Wind Load Factor on Concrete Design:

ad Capacity Ratio

(1) Concrete Pier:

Vertical Steel Rebar Area (sq. in./each):			Tie / Stirrup Area (sq. in./each):	
Calculated Moment Capacity (Mn,Kips-Ft):		>	Design Factored Moment (Mu, Kips-	
Calculated Shear Capacity (Kips):		>	Design Factored Shear (Kips):	
Calculated Tension Capacity (Tn, Kips):		>	Design Factored Tension (Tu Kips):	
Calculated Compression Capacity (Pn, Kips):		>	Design Factored Axial Load (Pu Kips):	
Moment & Axial Strength Combination:		OK!	Check Tie Spacing (Design/Required):	
Pier Reinforcement Ratio:			Reinforcement Ratio is satisfied per ACI	

(2).Concrete Pad:

One-Way Design Shear Capacity (L-Direction, Kips):			One-Way Factored Shear (L-D. Kips): 424.7	
One-Way Design Shear Capacity (W-Direction, Kips):			One-Way Factored Shear (W-D., Kips	
One-Way Design Shear Capacity (Corner-Corner. Kips):			One-Way Factored Shear (C-C, Kips): 345.7	
Lower Steel Pad Reinforcement Ratio (L-Direct.):			Lower Steel Pad Reinf. Ratio (W-Direc	
Lower Steel Pad Moment Capacity (L-Direction. Kips-ft):			Moment at Bottom (L-Dir. K-Ft):	
Lower Steel Pad Moment Capacity (W-Direction. Kips-ft):			Moment at Bottom (W-Dir. K-Ft):	
Lower Steel Pad Moment Capacity (Corner-Corner,K-ft):			Moment at Bottom (C-C Dir. K-Ft): 4649.3	
Upper Steel Pad Reinforcement Ratio (L-Direct.):			Upper Steel Reinf. Ratio (W-Dir.):	
Upper Steel Pad Moment Capacity (L-Direc. Kips-ft):			Moment at the top (L-Dir K-Ft):	
Upper Steel Pad Moment Capacity (W-Direc. Kips-ft):			Moment at the top (W-Dir K-Ft):	
Upper Steel Pad Moment Capacity (Corner-Corner. K-ft):			Moment at the top (C-C Dir. K-Ft):	

(3).Check Punching Shear Capacity due to Moment in the Pier:

Moment transferred by punching shear:	1453.3	k-ft.	Max. factored shear stress v_{u_CD}	Psi
Max. factored shear stress v_{u_AB}		Psi	Factored shear Strength ϕv_n	Psi
Max. factored shear stress v_u		Psi	Check Usage of Punching Shear Capacity:	OK!

Maser Consulting Connecticut
2000 Midlantic Drive, Suite 100
Mt. Laurel, NJ 08054
856.797.0412
greg.dulnik@colliersengineering.com

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10055817
Maser Consulting Connecticut Project #: 20777651A

April 20, 2021

Site Information	*Site ID:*	*467573-VZW / MANSFIELD NE CT*
	Site Name:	*MANSFIELD NE CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*203 Davis Rd* *Chaplin, Connecticut 06235* *Windham County*
	Latitude:	*41.793486°*
	Longitude:	*-72.160178°*
Structure Information	*Tower Type:*	*175-Ft Monopole*
	Mount Type:	*12.50-Ft Platform*

FUZE ID # 16272193

Analysis Results

Platform: **70.2% Pass**

******Contractor PMI Requirements:***
Included at the end of this MA report
Available & Submitted via portal at https://pmi.vzwsmart.com
Contractor - Please Review Specific Site PMI Requirements Upon Award
Requirements also Noted on Mount Modification Drawings
Requirements may also be Noted on A & E drawings

Report Prepared By: Selene Chen

Digitally signed by Alec Norris
Date: 2021.04.21 14:09:19-04'00'

Executive Summary:

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

This analysis is inclusive of the mount structure only and does not address the structural capacity of the supporting structure. This mounting frame was not analyzed as an anchor attachment point for fall protection. All climbing activities are required to have a fall protection plan completed by a competent person.

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS, Site ID: 674961, dated February 19, 2021*
Mount Mapping Report	*HighTower Solutions, Inc., Site #: 467573, dated April 20, 2020*
Mount Analysis Report	*Maser Consulting Connecticut, Project #: 20777651A, dated March 15, 2021*
Mount Modification Drawings	*Maser Consulting Connecticut, Project #: 20777651A, dated April 20, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust),	120 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.982
Seismic Parameters:	S_S:	0.185
	S_1:	0.055
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
			Commscope		Added
			Samsung		
			Commscope		
			Samsung		
			Samsung		
			Antel		Retained
			Antel		
			Raycap		

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Maser Consulting Connecticut and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. Any deviation from the loading locations specified in this report shall be communicated to Maser Consulting Connecticut to verify deviation will not adversely impact the analysis.

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

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

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

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

4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.

5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.

6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Maser Consulting Connecticut is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.

7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
   - o Channel, Solid Round, Angle, Plate — ASTM A36 (Gr. 36)
   - o HSS (Rectangular) — ASTM 500 (Gr. B-46)
   - o Pipe — ASTM A53 (Gr. B-35)
   - o Threaded Rod — F1554 (Gr. 36)
   - o Bolts — ASTM A325

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
OVP Mount Pipe	*12.0%*	*Pass*
Mount Pipe	*24.2%*	*Pass*
Face Horizontal	*9.8%*	*Pass*
Grating Support	*25.5%*	*Pass*
Platform Crossmember	*19.8%*	*Pass*
Cross Arm Plate	*44.1%*	*Pass*
Standoff Horizontal	*33.1%*	*Pass*
Corner Plate	*36.3%*	*Pass*
Support Rail	*13.7%*	*Pass*
Support Rail Corner	*23.1%*	*Pass*
Connection Check	*70.2%*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**70.2%**

Recommendation:

The existing mount will be **SUFFICIENT** for the final loading after the proposed modifications are successfully completed.

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

Attachments:

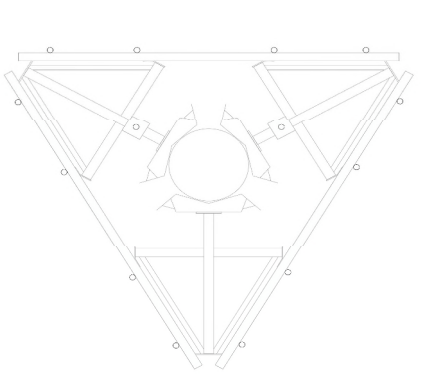
Mount Photos
Mount Mapping Report (for reference only)
Analysis Calculations
Contractor Required PMI Report Deliverables
Antenna Placement Diagrams
TIA Adoption and Wind Speed Usage Letter

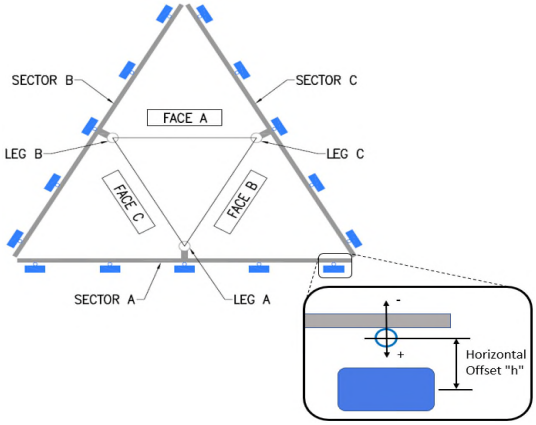
Updated on 3-03-2020

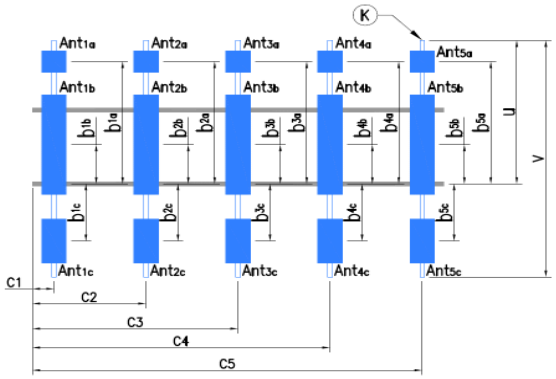
Antenna Mount Mapping Form (PATENT PENDING)

FCC # 1219915

Tower Owner:	SBA Towers	**Mapping Date:**	4/20/2020
Site Name:	NE MANSFIELD NE	**Tower Type:**	Monopole
Site Number or ID:	467573	**Tower Height (Ft.):**	175
Mapping Contractor:	HighTower Solutions, Inc.	**Mount Elevation (Ft.):**	152.3







Antenna Layout

Mount Azimuth (Degree) for Each Sector and Climbing Information				
Sector A:	0.00		Deg	
Sector B:	120.00		Deg	
Sector C:	240.00		Deg	
Sector D:			Deg	
Climbing	60.00		Deg	N/A
Climbing Facility	Corrosion Type:			Good condition.
	Access:			Climbing path was unobstructed.
	Condition:			Missing climbing members.

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	5'3"Tx2.38"Dia.Pipe x.15"	35.00	13.00	C1	5'3"Tx2.38"Dia.Pipe x.15"	35.00	13.00
A2	8'Tx2.88"Dia.Pipe x.18"	53.00	49.50	C2	8'Tx2.88"Dia.Pipe x.18"	53.00	49.50
A3	8'Tx2.88"Dia.Pipe x.18"	53.00	103.50	C3	8'Tx2.88"Dia.Pipe x.18"	53.00	103.50
A4	5'3"Tx2.38"Dia.Pipe x.15"	35.00	137.50	C4	5'3"Tx2.38"Dia.Pipe x.15"	35.00	137.50
A5				C5			
A6				C6			
B1	5'3"Tx2.38"Dia.Pipe x.15"	35.00	13.00	D1			
B2	8'Tx2.88"Dia.Pipe x.18"	53.00	49.50	D2			
B3	8'Tx2.88"Dia.Pipe x.18"	53.00	103.50	D3			
B4	5'3"Tx2.38"Dia.Pipe x.15"	35.00	137.50	D4			
B5				D5			
B6				D6			

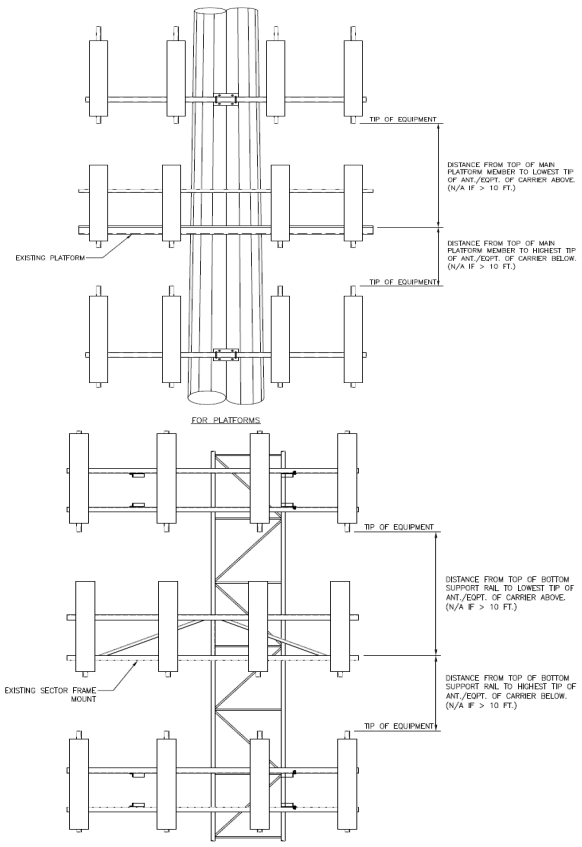
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.)	
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.)	

Please enter additional infomation or comments below.

Squid(Raycap)(RRFDC-3315-PF-48)(19"Tx15"Wx10"D)(2-1.55")(Photo #9018) on Squid Pipe Mount on 60° & 300° Side Arms

Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	31.5

	Enter antenna model. If not labled, enter "Unknown".					Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (In.)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A									
Ant_{1a}									
Ant_{1b}	Amphenol(LPA-80063	15.00	13.00	71.00	(1)1 5/8"	5.25	14.00	345.00	9010
Ant_{1c}									
Ant_{2a}									
Ant_{2b}	Commscope(SBNHH-	12.00	7.50	73.00	(2)1.55"	5.25	9.00	345.00	9008
Ant_{2c}	Alcatel Lucent(B13 RF	12.00	7.25	20.50	(2)1.55"	30.25	-6.00		9016
Ant_{3a}									
Ant_{3b}	Commscope(SBNHH-	12.00	7.50	73.00	(2)1.55"	5.25	9.00	345.00	9008
Ant_{3c}	Alcatel Lucent(B66a R	11.75	7.25	25.50	(2)1.55"	29.25	-7.00		9014
Ant_{4a}									
Ant_{4b}	Amphenol(LPA-80063	15.00	13.00	71.00	(1)1 5/8"	5.25	14.00	345.00	9010
Ant_{4c}									
Ant_{5a}									
Ant_{5b}									
Ant_{5c}									
Sector B									
Ant_{1a}									
Ant_{1b}	Antel(LPA80080/6CF	6.00	13.50	68.00	(1)1 5/8"	5.25	14.00	105.00	9005
Ant_{1c}									
Ant_{2a}									
Ant_{2b}	Commscope(SBNHH-	12.00	7.50	73.00	(2)1.55"	5.25	9.00	105.00	9008
Ant_{2c}	Alcatel Lucent(B13 RF	12.00	7.25	20.50	(2)1.55"	30.25	-6.00		9016
Ant_{3a}									
Ant_{3b}	Commscope(SBNHH-	12.00	7.50	73.00	(2)1.55"	5.25	9.00	105.00	9008
Ant_{3c}	Alcatel Lucent(B25 RF	11.75	7.25	25.50	(2)1.55"	29.25	-7.00		9014
Ant_{4a}									
Ant_{4b}	Antel(LPA80080/6CF	6.00	13.50	68.00	(1)1 5/8"	5.25	14.00	105.00	9005
Ant_{4c}									
Ant_{5a}									
Ant_{5b}									
Ant_{5c}									



Sector C									
Ant_{1a}									
Ant_{1b}	Amphenol(LPA-80063	15.00	13.00	71.00	(1)1 5/8"	5.25	14.00	225.00	9010
Ant_{1c}									
Ant_{2a}									
Ant_{2b}	Commscope(SBNHH-1	12.00	7.50	73.00	(2)1.55"	5.25	9.00	225.00	9008
Ant_{2c}	Alcatel Lucent(B13 RR	12.00	7.25	20.50	(2)1.55"	30.25	-6.00		9016
Ant_{3a}									
Ant_{3b}	Commscope(SBNHH-1	12.00	7.50	73.00	(2)1.55"	5.25	9.00	225.00	9008
Ant_{3c}	Alcatel Lucent(B66a R	11.75	7.25	25.50	(2)1.55"	29.25	-7.00		9014
Ant_{4a}									
Ant_{4b}	Amphenol(LPA-80063	15.00	13.00	71.00	(1)1 5/8"	5.25	14.00	225.00	9010
Ant_{4c}									
Ant_{5a}									
Ant_{5b}									
Ant_{5c}									

Sector D									
Ant_{1a}									
Ant_{1b}									
Ant_{1c}									
Ant_{2a}									
Ant_{2b}									
Ant_{2c}									
Ant_{3a}									
Ant_{3b}									
Ant_{3c}									
Ant_{4a}									
Ant_{4b}									
Ant_{4c}									
Ant_{5a}									
Ant_{5b}									
Ant_{5c}									

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #
1		
2		
3		
4		
5		
6		
7		
8		

Mapping Notes

1. Please report any visible structural or safety issues observed on the antenna mounts (Damaged members, loose connections, tilting mounts, safety climb issues, etc.)
2. If the thickness of the existing pipes or tubing can't be obtained from a general tool (such as Caliper), please use an ultrasonic measurement tool (thickness gauge) to measure the thickness.
3. Please create all required detail sketches of the mounts and insert them into the "Sketches" tab.
4. Please measure and enter the bolt sizes and types under the Members Box in the spreadsheet of the mount type.
5. Take and label the photos of the tower, mounts, connections, antennas and all measurements. Minimum 50 photos are required.
6. Please measure and report the size and length of all existing antenna mounting pipes.
7. Please measure and report the antenna information for all sectors.
8. Don't delete or rearrange any sheet or contents of any sheet from this mapping form.

Standard Conditions

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

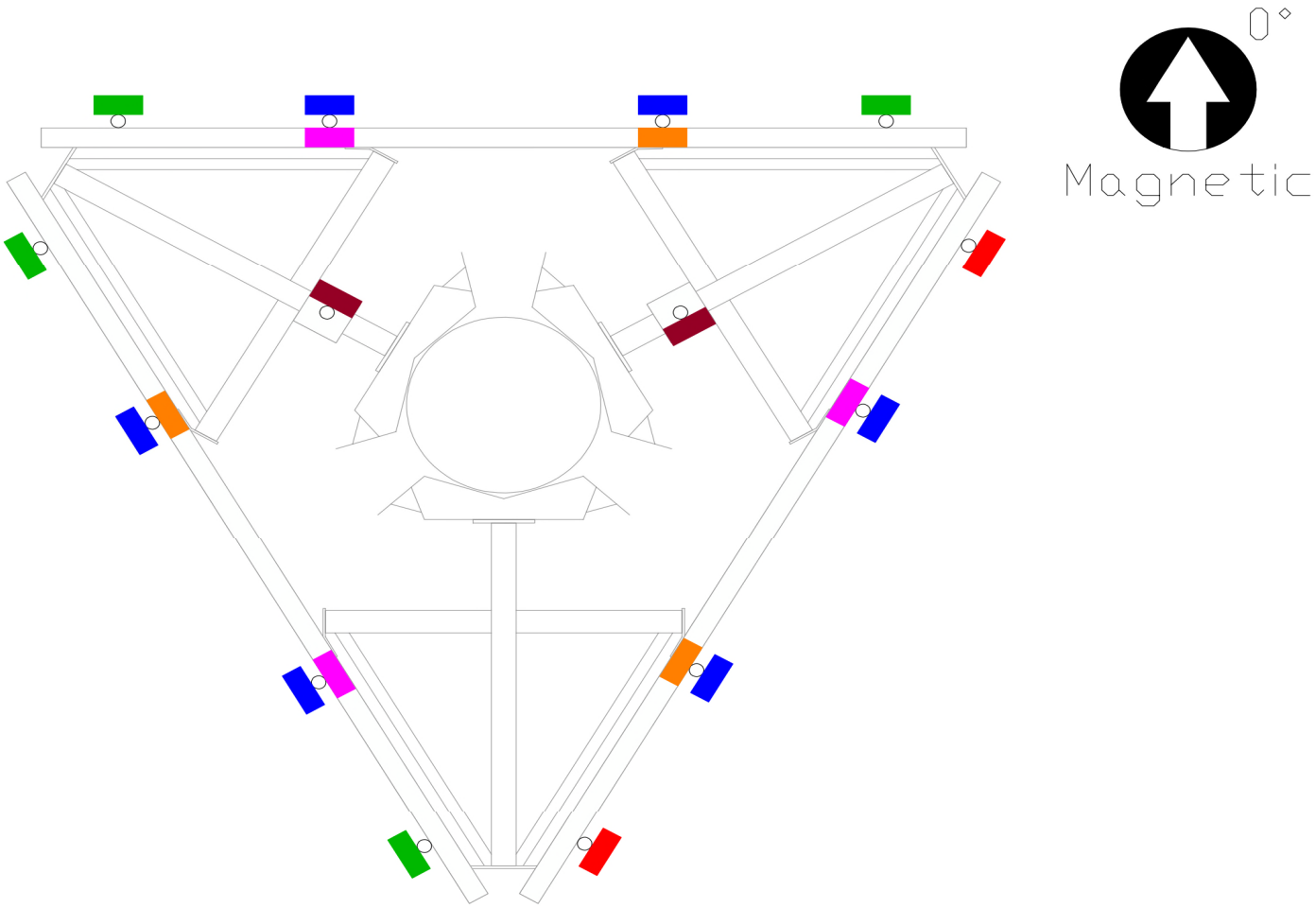
Updated on 3-03-2020

Antenna Mount Mapping Form (PATENT PENDING)

FCC #
1219915

Tower Owner:	SBA Towers	**Mapping Date:**	4/20/2020
Site Name:	NE MANSFIELD NE	**Tower Type:**	Monopole
Site Number or ID:	467573	**Tower Height (Ft.):**	175
Mapping Contractor:	HighTower Solutions, Inc.	**Mount Elevation (Ft.):**	152.3

Please Insert Sketches of the Antenna Mount

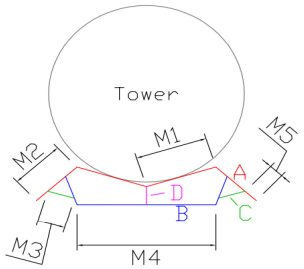


Legend

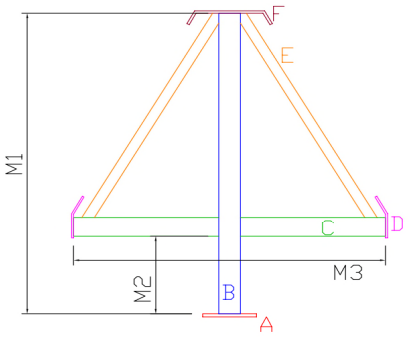
- Antenna #1
- Antenna #2
- Antenna #3
- Antenna #4
- Antenna #5
- Antenna #6

Please Insert Sketches of the Antenna Mount, cont'd

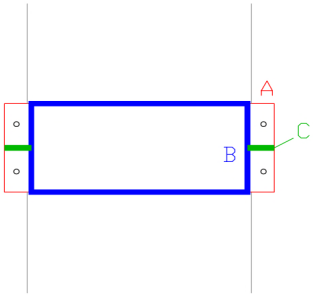
Plan View



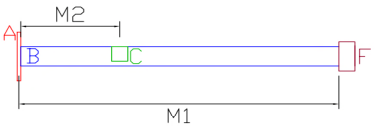
Plan View



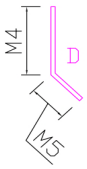
Side Elevation



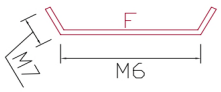
Side Elevation



Plan View of "D"



Plan View of "F"



Label	Member Size	Bolt Size
A	10"Tx.50"Flat	3-.75"All-Threads
B	10"Tx15"5"x.38"Channel	Welded
C	6.5"Lx2.75"Wx.38"Flat	Welded
D	10"Tx4"Wx.38"Flat	Welded
M1	7"	
M2	8"	
M3	6.5"	
M4	2.5"	
M5	15"	
Measurement of Gap at All-Threads	17.5"	

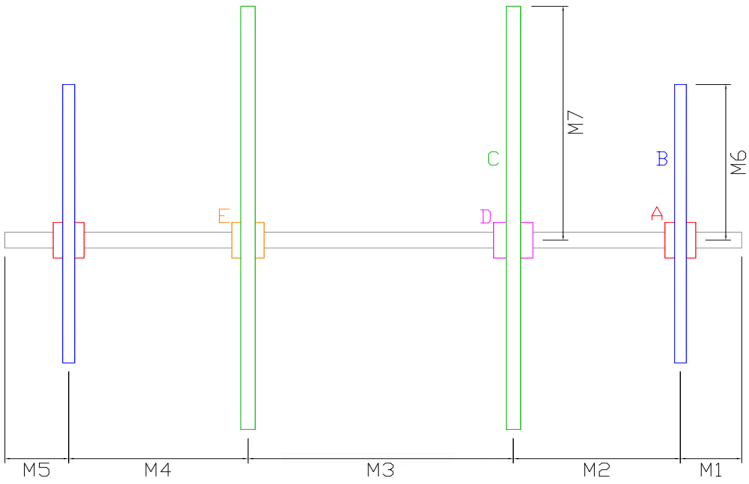
Label	Member Size	Bolt Size
A	10"Tx10"Wx.62"Flat	4-.62"
B	5'2"Lx4"x4"x.266"Sq.Tube	Welded
C	2'4.5"Lx4"x4"x.263"Sq.Tube	Welded
D	6"Tx.38"Flat	Welded
E	4'4"Lx2"x2"x.20"Angle	Welded
F	6"Tx.5"Flat	Welded
M1	5'2"	
M2	15.5"	
M3	5'1"	
M4	5"	
M5	3.5"	
M6	12"	
M7	3"	

Please Insert Sketches of the Antenna Mount, cont'd

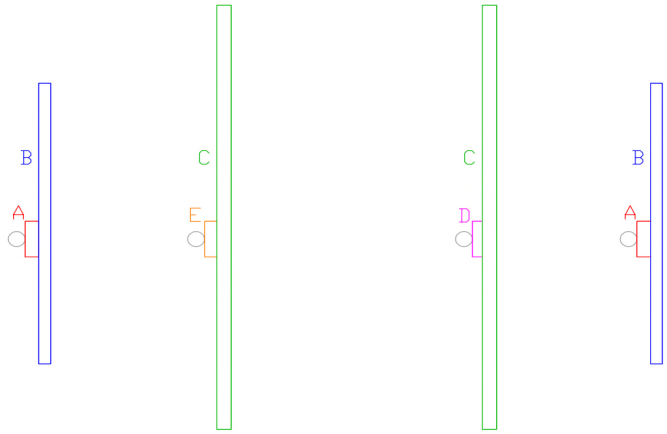
Front Elevation

Label	Member Size	Bolt Size
A	12'6"Lx3.5"Dia.Pipe x.20"	1-.50"U-Bolt

Front Elevation

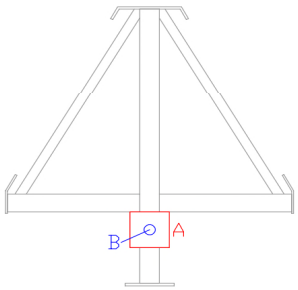


Side Elevation

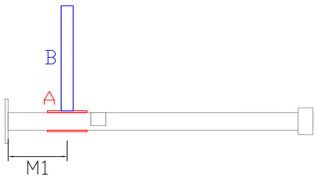


Label	Member Size	Bolt Size
A	8"Lx6.25"x2.75"x.35"Channel	2-.50"U-Bolt
B	5'3"Tx2.38"Dia.Pipe x.15"	2-.50"U-Bolt
C	8'Tx2.88"Dia.Pipe x.18"	2-.50"U-Bolt
D	8"Lx8"x2"x.38"Channel	2-.50"U-Bolt
E	8"Lx6.5"x2.5"x.32"Channel	2-.50"U-Bolt
M1	12.5"	
M2	2'10"	
M3	4'6"	
M4	3'.5"	
M5	13"	
M6	2'11"	
M7	4'5"	

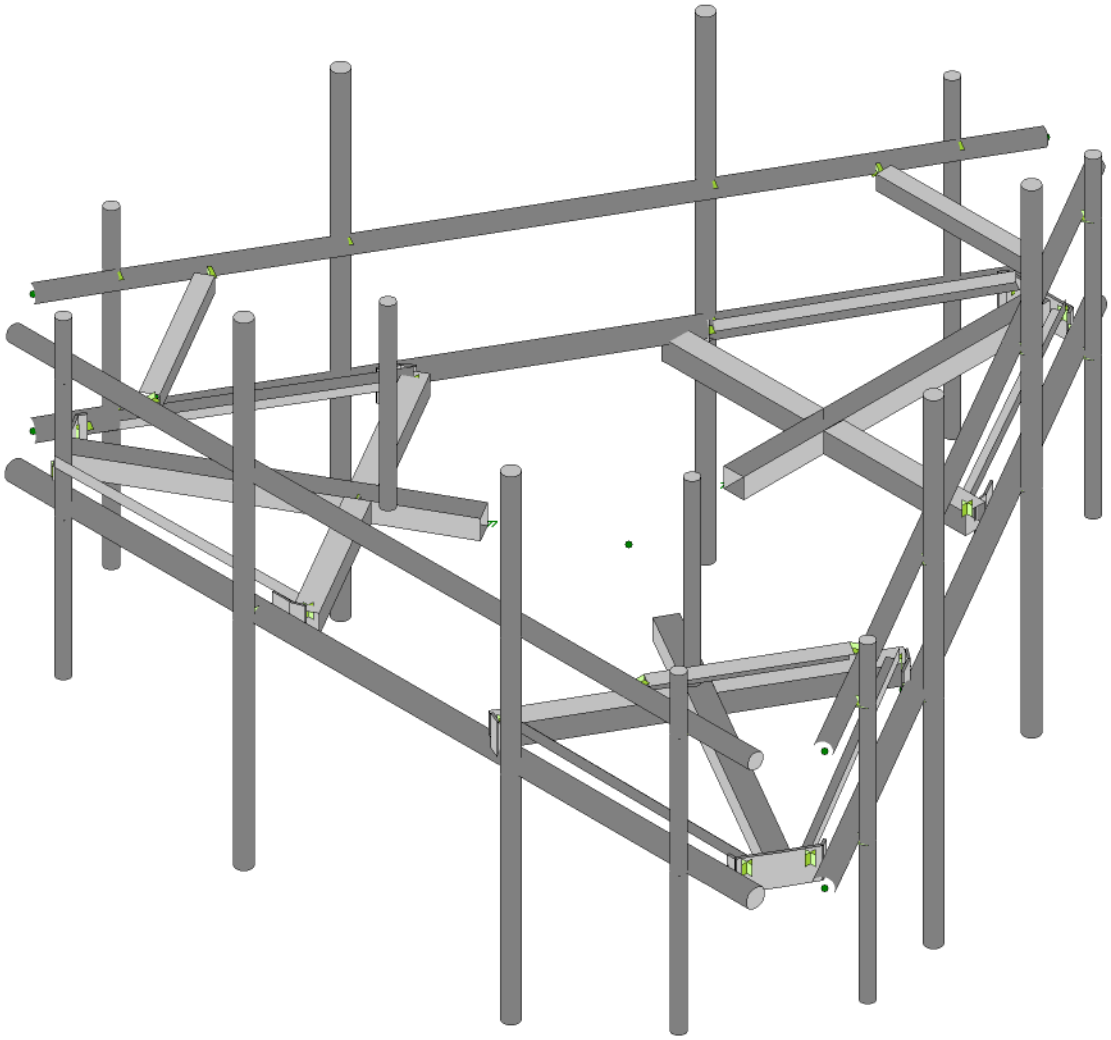
Plan View



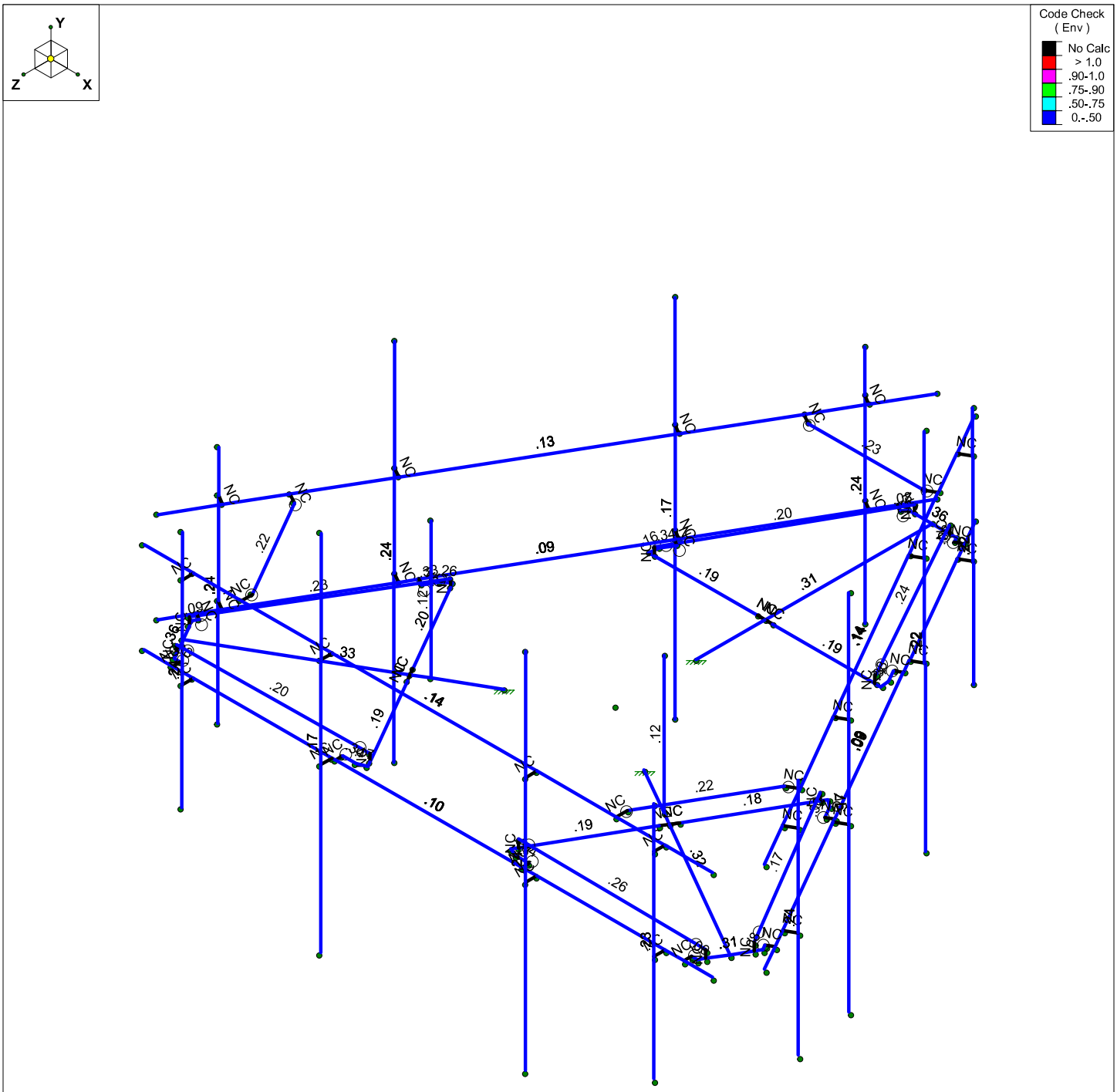
Side Elevation



Label	Member Size	Bolt Size
A	8"x8"x.38"Flat	4-.50"All-Threads
B	2'Tx2.38"Dia.Pipe x.15"	Welded
M1	1'	

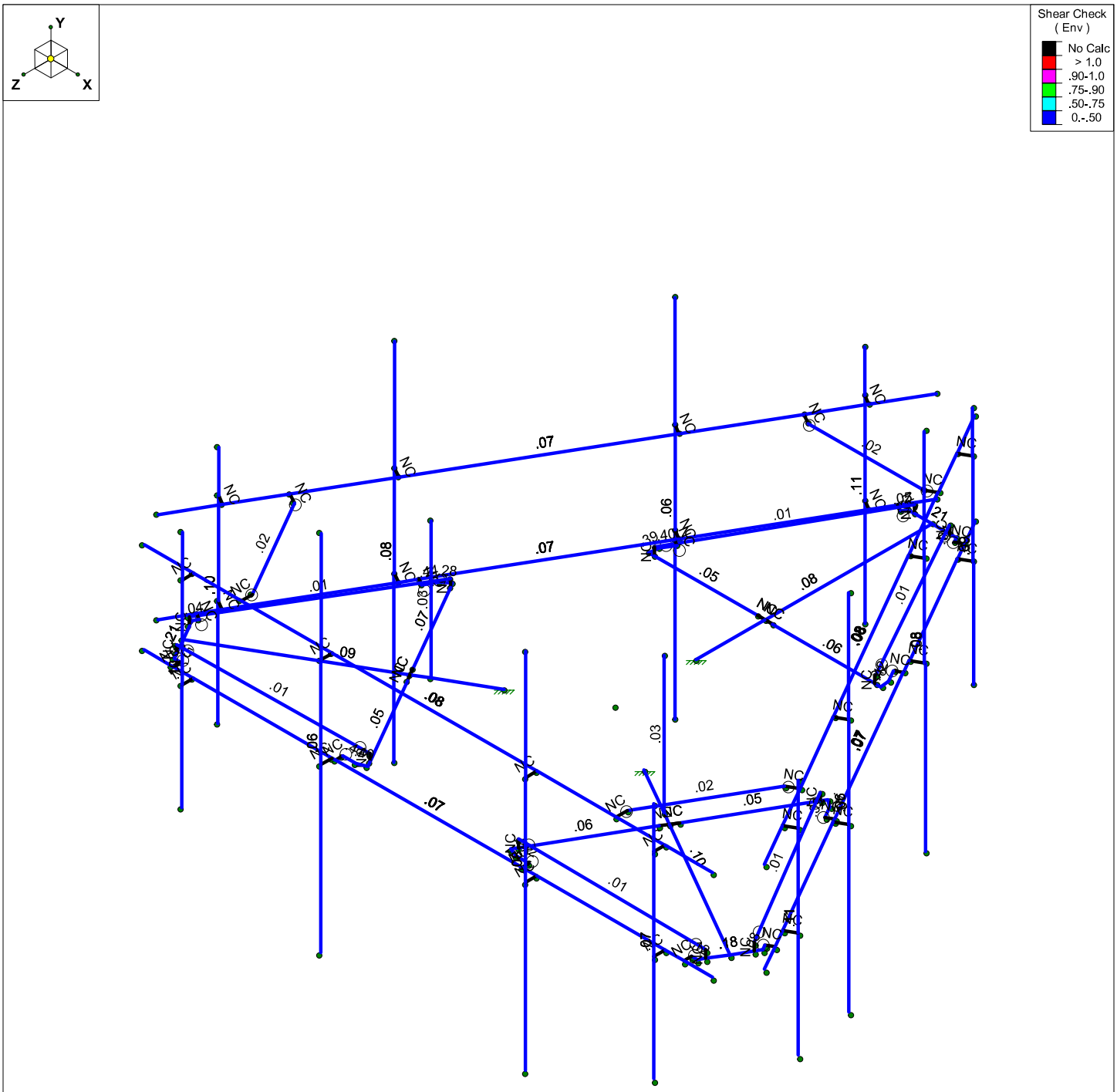


Maser Consulting	467573-VZW_MT_LO_H	SK - 1
FAC		Apr 20, 2021 at 11:23 AM
Project No. 10007402		467573-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	467573-VZW_MT_LO_H	SK - 2
FAC		Apr 20, 2021 at 11:25 AM
Project No. 10007402		467573-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	467573-VZW_MT_LO_H	SK - 3
FAC		Apr 20, 2021 at 11:25 AM
Project No. 10007402		467573-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					123			
2	Antenna Di	None					123			
3	Antenna Wo (0 Deg)	None					123			
4	Antenna Wo (30 Deg)	None					123			
5	Antenna Wo (60 Deg)	None					123			
6	Antenna Wo (90 Deg)	None					123			
7	Antenna Wo (120 Deg)	None					123			
8	Antenna Wo (150 Deg)	None					123			
9	Antenna Wo (180 Deg)	None					123			
10	Antenna Wo (210 Deg)	None					123			
11	Antenna Wo (240 Deg)	None					123			
12	Antenna Wo (270 Deg)	None					123			
13	Antenna Wo (300 Deg)	None					123			
14	Antenna Wo (330 Deg)	None					123			
15	Antenna Wi (0 Deg)	None					123			
16	Antenna Wi (30 Deg)	None					123			
17	Antenna Wi (60 Deg)	None					123			
18	Antenna Wi (90 Deg)	None					123			
19	Antenna Wi (120 Deg)	None					123			
20	Antenna Wi (150 Deg)	None					123			
21	Antenna Wi (180 Deg)	None					123			
22	Antenna Wi (210 Deg)	None					123			
23	Antenna Wi (240 Deg)	None					123			
24	Antenna Wi (270 Deg)	None					123			
25	Antenna Wi (300 Deg)	None					123			
26	Antenna Wi (330 Deg)	None					123			
27	Antenna Wm (0 Deg)	None					123			
28	Antenna Wm (30 Deg)	None					123			
29	Antenna Wm (60 Deg)	None					123			
30	Antenna Wm (90 Deg)	None					123			
31	Antenna Wm (120 De...	None					123			
32	Antenna Wm (150 De...	None					123			
33	Antenna Wm (180 De...	None					123			
34	Antenna Wm (210 De...	None					123			
35	Antenna Wm (240 De...	None					123			
36	Antenna Wm (270 De...	None					123			
37	Antenna Wm (300 De...	None					123			
38	Antenna Wm (330 De...	None					123			
39	Structure D	None		-1					3	
40	Structure Di	None						59	3	
41	Structure Wo (0 Deg)	None						118		
42	Structure Wo (30 Deg)	None						118		
43	Structure Wo (60 Deg)	None						118		
44	Structure Wo (90 Deg)	None						118		
45	Structure Wo (120 D...	None						118		
46	Structure Wo (150 D...	None						118		
47	Structure Wo (180 D...	None						118		
48	Structure Wo (210 D...	None						118		
49	Structure Wo (240 D...	None						118		
50	Structure Wo (270 D...	None						118		
51	Structure Wo (300 D...	None						118		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
52	Structure Wo (330 D...	None						118		
53	Structure Wi (0 Deg)	None						118		
54	Structure Wi (30 Deg)	None						118		
55	Structure Wi (60 Deg)	None						118		
56	Structure Wi (90 Deg)	None						118		
57	Structure Wi (120 De...	None						118		
58	Structure Wi (150 De...	None						118		
59	Structure Wi (180 De...	None						118		
60	Structure Wi (210 De...	None						118		
61	Structure Wi (240 De...	None						118		
62	Structure Wi (270 De...	None						118		
63	Structure Wi (300 De...	None						118		
64	Structure Wi (330 De...	None						118		
65	Structure Wm (0 Deg)	None						118		
66	Structure Wm (30 D...	None						118		
67	Structure Wm (60 D...	None						118		
68	Structure Wm (90 D...	None						118		
69	Structure Wm (120 ...	None						118		
70	Structure Wm (150 ...	None						118		
71	Structure Wm (180 ...	None						118		
72	Structure Wm (210 ...	None						118		
73	Structure Wm (240 ...	None						118		
74	Structure Wm (270 ...	None						118		
75	Structure Wm (300 ...	None						118		
76	Structure Wm (330 ...	None						118		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Are...	None						93		
82	BLC 40 Transient Are...	None						93		

Load Combinations

	Description	Solve	PDelta	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
1	1.2D+1.0Wo (0...	Yes	Y		1	1.2	39	1.2	3	1	41	1										
2	1.2D+1.0Wo (3...	Yes	Y		1	1.2	39	1.2	4	1	42	1										
3	1.2D+1.0Wo (6...	Yes	Y		1	1.2	39	1.2	5	1	43	1										
4	1.2D+1.0Wo (9...	Yes	Y		1	1.2	39	1.2	6	1	44	1										
5	1.2D+1.0Wo (1...	Yes	Y		1	1.2	39	1.2	7	1	45	1										
6	1.2D+1.0Wo (1...	Yes	Y		1	1.2	39	1.2	8	1	46	1										
7	1.2D+1.0Wo (1...	Yes	Y		1	1.2	39	1.2	9	1	47	1										
8	1.2D+1.0Wo (2...	Yes	Y		1	1.2	39	1.2	10	1	48	1										
9	1.2D+1.0Wo (2...	Yes	Y		1	1.2	39	1.2	11	1	49	1										
10	1.2D+1.0Wo (2...	Yes	Y		1	1.2	39	1.2	12	1	50	1										
11	1.2D+1.0Wo (3...	Yes	Y		1	1.2	39	1.2	13	1	51	1										
12	1.2D+1.0Wo (3...	Yes	Y		1	1.2	39	1.2	14	1	52	1										
13	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1						
14	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1						
15	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1						
16	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1						

Load Combinations (Continued)

	Description	Solve	PDelta	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
17	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 ...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 ...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	Seismic Mass		Y		1	1	39	1																
53	1.2D + 1.0Ev + ...		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1										
54	1.2D + 1.0Ev + ...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.866										
55	1.2D + 1.0Ev + ...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5										
56	1.2D + 1.0Ev + ...		Y		1	1.2	39	1.2	SX	1	SY	1	SZ											
57	1.2D + 1.0Ev + ...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5										
58	1.2D + 1.0Ev + ...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866										
59	1.2D + 1.0Ev + ...		Y		1	1.2	39	1.2	SX		SY	1	SZ	1										
60	1.2D + 1.0Ev + ...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866										
61	1.2D + 1.0Ev + ...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	.5										
62	1.2D + 1.0Ev + ...		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ											
63	1.2D + 1.0Ev + ...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	-.5										
64	1.2D + 1.0Ev + ...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	-.866										

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	0	0	0	0	
2	N2	-6.249996	0	4.095516	0	
3	N3	6.249996	0	4.095516	0	
4	N4	-5.749337	0	3.931981	0	
5	N5	-1.757481	0	3.93797	0	
6	N6	-2.049148	0	3.93797	0	
7	N7	-2.049148	0	4.095516	0	
8	N8	-5.624337	0	3.931981	0	
9	N9	-5.624337	0	4.095516	0	
10	N10	5.208337	0	4.095516	0	
11	N11	5.208337	0	4.345516	0	
12	N12	5.208337	2.916667	4.345516	0	
13	N13	5.208337	-2.333333	4.345516	0	
14	N14	5.749337	0	3.931981	0	
15	N15	5.624337	0	3.931981	0	
16	N16	5.624337	0	4.095516	0	
17	N17	6.279864	0	3.013081	0	
18	N18	6.217364	0	2.904828	0	
19	N19	6.358989	0	2.823061	0	
20	N20	0.530527	0	-6.945062	0	
21	N21	0.593027	0	-6.836809	0	
22	N22	0.734652	0	-6.918577	0	
23	N23	-0.530527	0	-6.945062	0	
24	N24	-0.593027	0	-6.836809	0	
25	N25	-0.734652	0	-6.918577	0	
26	N26	-6.279864	0	3.013081	0	
27	N27	-6.217364	0	2.904828	0	
28	N28	-6.358989	0	2.823061	0	
29	N29	-0.	0	-6.945062	0	
30	N30	-0.	0	-1.778396	0	
31	N31	-6.014601	0	3.472531	0	
32	N32	-1.540136	0	0.889198	0	
33	N33	6.014601	0	3.472531	0	
34	N34	1.540136	0	0.889198	0	
35	N35	1.757481	0	3.93797	0	
36	N36	2.049148	0	3.93797	0	
37	N37	2.049148	0	4.095516	0	
38	N42	-0.	0	-3.29384	0	
39	N43	-0.166687	0	-3.29384	0	
40	N44	0.166647	0	-3.29384	0	
41	N45	-2.852549	0	1.64692	0	
42	N46	-2.769206	0	1.791275	0	
43	N47	-2.935872	0	1.5026	0	
44	N48	2.852549	0	1.64692	0	
45	N49	2.935892	0	1.502565	0	
46	N50	2.769226	0	1.79124	0	
47	N59	-1.636768	0	3.752714	0	
48	N60	-5.82017	0	3.809294	0	
49	N61	-1.636768	0.166667	3.752714	0	
50	N62	-5.82017	0.166667	3.809294	0	
51	N71	1.636768	0	3.752714	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
52	N72	5.82017	0	3.809294	0	
53	N73	1.636768	0.166667	3.752714	0	
54	N74	5.82017	0.166667	3.809294	0	
55	N75	-1.574268	0	3.860967	0	
56	N76	1.574268	0	3.860967	0	
57	N57	4.289123	0	-0.446962	0	
58	N58	4.434956	0	-0.194371	0	
59	N59A	4.571395	0	-0.273144	0	
60	N60A	2.531642	0	-3.491009	0	
61	N61A	2.385808	0	-3.743599	0	
62	N62A	2.522247	0	-3.822372	0	
63	N67	4.06833	0	-0.458874	0	
64	N68	6.209031	0	3.135768	0	
65	N69	4.06833	0.166667	-0.458874	0	
66	N70	6.209031	0.166667	3.135768	0	
67	N71A	2.431562	0	-3.29384	0	
68	N72A	0.38886	0	-6.945062	0	
69	N73A	2.431562	0.166667	-3.29384	0	
70	N74A	0.38886	0.166667	-6.945062	0	
71	N75A	4.13083	0	-0.567127	0	
72	N76A	2.556562	0	-3.29384	0	
73	N77	-2.531642	0	-3.491009	0	
74	N78	-2.385808	0	-3.743599	0	
75	N79	-2.522247	0	-3.822372	0	
76	N80	-4.289123	0	-0.446962	0	
77	N81	-4.434956	0	-0.194371	0	
78	N82	-4.571395	0	-0.273144	0	
79	N87	-2.431562	0	-3.29384	0	
80	N88	-0.38886	0	-6.945062	0	
81	N89	-2.431562	0.166667	-3.29384	0	
82	N90	-0.38886	0.166667	-6.945062	0	
83	N91	-4.06833	0	-0.458874	0	
84	N92	-6.209031	0	3.135768	0	
85	N93	-4.06833	0.166667	-0.458874	0	
86	N94	-6.209031	0.166667	3.135768	0	
87	N95	-2.556562	0	-3.29384	0	
88	N96	-4.13083	0	-0.567127	0	
89	N89A	2.375004	0	4.095516	0	
90	N90A	2.375004	0	4.345516	0	
91	N91A	2.375004	4.416667	4.345516	0	
92	N92A	2.375004	-3.583333	4.345516	0	
93	N93A	-2.124996	0	4.095516	0	
94	N94A	-2.124996	0	4.345516	0	
95	N95A	-2.124996	4.416667	4.345516	0	
96	N96A	-2.124996	-3.583333	4.345516	0	
97	N97	-5.166663	0	4.095516	0	
98	N98	-5.166663	0	4.345516	0	
99	N99	-5.166663	2.916667	4.345516	0	
100	N100	-5.166663	-2.333333	4.345516	0	
101	N101	6.671819	0	3.364898	0	
102	N102	0.421823	0	-7.460413	0	
103	N103	0.942652	0	-6.55831	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
104	N104	1.159158	0	-6.68331	0	
105	N105	1.159158	2.916667	-6.68331	0	
106	N106	1.159158	-2.333333	-6.68331	0	
107	N107	2.359319	0	-4.104572	0	
108	N108	2.575825	0	-4.229572	0	
109	N109	2.575825	4.416667	-4.229572	0	
110	N110	2.575825	-3.583333	-4.229572	0	
111	N111	4.609319	0	-0.207457	0	
112	N112	4.825825	0	-0.332457	0	
113	N113	4.825825	4.416667	-0.332457	0	
114	N114	4.825825	-3.583333	-0.332457	0	
115	N115	6.130152	0	2.426703	0	
116	N116	6.346658	0	2.301703	0	
117	N117	6.346658	2.916667	2.301703	0	
118	N118	6.346658	-2.333333	2.301703	0	
119	N119	-0.421823	0	-7.460413	0	
120	N120	-6.671819	0	3.364898	0	
121	N121	-6.150989	0	2.462794	0	
122	N122	-6.367496	0	2.337794	0	
123	N123	-6.367496	2.916667	2.337794	0	
124	N124	-6.367496	-2.333333	2.337794	0	
125	N125	-4.734323	0	0.009056	0	
126	N126	-4.950829	0	-0.115944	0	
127	N127	-4.950829	4.416667	-0.115944	0	
128	N128	-4.950829	-3.583333	-0.115944	0	
129	N129	-2.484323	0	-3.888058	0	
130	N130	-2.700829	0	-4.013058	0	
131	N131	-2.700829	4.416667	-4.013058	0	
132	N132	-2.700829	-3.583333	-4.013058	0	
133	N133	-0.963489	0	-6.522219	0	
134	N134	-1.179996	0	-6.647219	0	
135	N135	-1.179996	2.916667	-6.647219	0	
136	N136	-1.179996	-2.333333	-6.647219	0	
137	N137	2.563874	0	1.480253	0	
138	N138	2.563874	3	1.480253	0	
139	N139	-2.563874	0	1.480253	0	
140	N140	-2.563874	3	1.480253	0	
141	N141	-6.249996	2	4.095516	0	
142	N142	6.249996	2	4.095516	0	
143	N143	5.208337	2	4.095516	0	
144	N144	5.208337	2	4.345516	0	
145	N145	2.375004	2	4.095516	0	
146	N146	2.375004	2	4.345516	0	
147	N147	-2.124996	2	4.095516	0	
148	N148	-2.124996	2	4.345516	0	
149	N149	-5.166663	2	4.095516	0	
150	N150	-5.166663	2	4.345516	0	
151	N151	-4.124998	2	4.095516	0	
152	N152	4.124998	2	4.095516	0	
153	N153	-4.124998	2	3.845516	0	
154	N154	4.124998	2	3.845516	0	
155	N155	6.671819	2	3.364898	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
156	N156	0.421823	2	-7.460413	0	
157	N157	0.942652	2	-6.55831	0	
158	N158	1.159158	2	-6.68331	0	
159	N159	2.359319	2	-4.104572	0	
160	N160	2.575825	2	-4.229572	0	
161	N161	4.609319	2	-0.207457	0	
162	N162	4.825825	2	-0.332457	0	
163	N163	6.130152	2	2.426703	0	
164	N164	6.346658	2	2.301703	0	
165	N165	5.60932	2	1.524595	0	
166	N166	1.484322	2	-5.620111	0	
167	N167	5.392813	2	1.649595	0	
168	N168	1.267815	2	-5.495111	0	
169	N169	-0.421823	2	-7.460413	0	
170	N170	-6.671819	2	3.364898	0	
171	N171	-6.150989	2	2.462794	0	
172	N172	-6.367496	2	2.337794	0	
173	N173	-4.734323	2	0.009056	0	
174	N174	-4.950829	2	-0.115944	0	
175	N175	-2.484323	2	-3.888058	0	
176	N176	-2.700829	2	-4.013058	0	
177	N177	-0.963489	2	-6.522219	0	
178	N178	-1.179996	2	-6.647219	0	
179	N179	-1.484322	2	-5.620111	0	
180	N180	-5.60932	2	1.524595	0	
181	N181	-1.267815	2	-5.495111	0	
182	N182	-5.392813	2	1.649595	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rules	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff Horizontal	HSS4X4X4	Beam	SquareTube	A500 Gr.B ...	Typical	3.37	7.8	7.8	12.8
3	Corner Plate	PL1/2X6	Beam	RECT	A36 Gr.36	Typical	3	.063	9	.237
4	Platform Crossmemb...	HSS4X4X4	Beam	SquareTube	A500 Gr.B ...	Typical	3.37	7.8	7.8	12.8
5	Grating Support	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
6	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
8	Larger Mount Pipe	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
9	OVP Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
10	Support Rail	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
11	Support Rail Corner	L3X3X4	Column	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031

Hot Rolled Steel Properties

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

Hot Rolled Steel Properties (Continued)

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E..	Density[k/ft...	Yield[ksi]	Ry	Fu[ksi]	Rt
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
7	A1085	29000	11154	.3	.65	.49	50	1.4	65	1.3
8	Q235	29000	11154	.3	.65	.49	35	1.5	58	1.2

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N3	N2			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
2	M2	N75	N5			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
3	M3	N5	N6			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
4	M4	N6	N7			RIGID	None	None	RIGID	Typical
5	M5	N4	N8			Corner Plate	Beam	RECT	A36 Gr.36	Typical
6	M6	N8	N9			RIGID	None	None	RIGID	Typical
7	M7	N10	N11			RIGID	None	None	RIGID	Typical
8	MP1A	N12	N13			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
9	M9	N14	N15			Corner Plate	Beam	RECT	A36 Gr.36	Typical
10	M10	N15	N16			RIGID	None	None	RIGID	Typical
11	M11	N17	N18			Corner Plate	Beam	RECT	A36 Gr.36	Typical
12	M12	N18	N19			RIGID	None	None	RIGID	Typical
13	M13	N20	N21			Corner Plate	Beam	RECT	A36 Gr.36	Typical
14	M14	N21	N22			RIGID	None	None	RIGID	Typical
15	M15	N23	N24			Corner Plate	Beam	RECT	A36 Gr.36	Typical
16	M16	N24	N25			RIGID	None	None	RIGID	Typical
17	M17	N26	N27			Corner Plate	Beam	RECT	A36 Gr.36	Typical
18	M18	N27	N28			RIGID	None	None	RIGID	Typical
19	M19	N4	N26			Corner Plate	Beam	RECT	A36 Gr.36	Typical
20	M20	N23	N20			Corner Plate	Beam	RECT	A36 Gr.36	Typical
21	M21	N17	N14			Corner Plate	Beam	RECT	A36 Gr.36	Typical
22	M22	N29	N30			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
23	M23	N31	N32			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
24	M24	N33	N34			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
25	M25	N76	N35			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
26	M26	N35	N36			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
27	M27	N36	N37			RIGID	None	None	RIGID	Typical
28	M28	N43	N42			RIGID	None	None	RIGID	Typical
29	M29	N44	N42			RIGID	None	None	RIGID	Typical
30	M30	N75	N46		90	Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
31	M31	N46	N45			RIGID	None	None	RIGID	Typical
32	M32	N47	N45			RIGID	None	None	RIGID	Typical
33	M33	N76	N50		90	Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
34	M34	N49	N48			RIGID	None	None	RIGID	Typical
35	M35	N50	N48			RIGID	None	None	RIGID	Typical
36	M36	N61	N59			RIGID	None	None	RIGID	Typical
37	M37	N62	N60			RIGID	None	None	RIGID	Typical
38	M38	N61	N62			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
39	M39	N73	N71			RIGID	None	None	RIGID	Typical
40	M40	N74	N72			RIGID	None	None	RIGID	Typical
41	M41	N73	N74		270	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
42	M42	N75A	N57			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
43	M43	N57	N58			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
44	M44	N58	N59A			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
45	M45	N76A	N60A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
46	M46	N60A	N61A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
47	M47	N61A	N62A			RIGID	None	None	RIGID	Typical
48	M48	N75A	N49		90	Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
49	M49	N49	N48			RIGID	None	None	RIGID	Typical
50	M50	N76A	N44		90	Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
51	M51	N44	N42			RIGID	None	None	RIGID	Typical
52	M52	N69	N67			RIGID	None	None	RIGID	Typical
53	M53	N70	N68			RIGID	None	None	RIGID	Typical
54	M54	N69	N70			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
55	M55	N73A	N71A			RIGID	None	None	RIGID	Typical
56	M56	N74A	N72A			RIGID	None	None	RIGID	Typical
57	M57	N73A	N74A		270	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
58	M58	N95	N77			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
59	M59	N77	N78			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
60	M60	N78	N79			RIGID	None	None	RIGID	Typical
61	M61	N96	N80			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
62	M62	N80	N81			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
63	M63	N81	N82			RIGID	None	None	RIGID	Typical
64	M64	N95	N43		90	Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
65	M65	N43	N42			RIGID	None	None	RIGID	Typical
66	M66	N96	N47		90	Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
67	M67	N47	N45			RIGID	None	None	RIGID	Typical
68	M68	N89	N87			RIGID	None	None	RIGID	Typical
69	M69	N90	N88			RIGID	None	None	RIGID	Typical
70	M70	N89	N90			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
71	M71	N93	N91			RIGID	None	None	RIGID	Typical
72	M72	N94	N92			RIGID	None	None	RIGID	Typical
73	M73	N93	N94		270	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
74	M74	N89A	N90A			RIGID	None	None	RIGID	Typical
75	MP2A	N91A	N92A			Larger Mount ...	Column	Pipe	A53 Gr.B	Typical
76	M76	N93A	N94A			RIGID	None	None	RIGID	Typical
77	MP3A	N95A	N96A			Larger Mount ...	Column	Pipe	A53 Gr.B	Typical
78	M78	N97	N98			RIGID	None	None	RIGID	Typical
79	MP4A	N99	N100			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
80	M80	N102	N101			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
81	M81	N103	N104			RIGID	None	None	RIGID	Typical
82	MP1C	N105	N106			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
83	M83	N107	N108			RIGID	None	None	RIGID	Typical
84	MP2C	N109	N110			Larger Mount ...	Column	Pipe	A53 Gr.B	Typical
85	M85	N111	N112			RIGID	None	None	RIGID	Typical
86	MP3C	N113	N114			Larger Mount ...	Column	Pipe	A53 Gr.B	Typical
87	M87	N115	N116			RIGID	None	None	RIGID	Typical
88	MP4C	N117	N118			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
89	M89	N120	N119			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
90	M90	N121	N122			RIGID	None	None	RIGID	Typical
91	MP1B	N123	N124			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
92	M92	N125	N126			RIGID	None	None	RIGID	Typical
93	MP2B	N127	N128			Larger Mount ...	Column	Pipe	A53 Gr.B	Typical
94	M94	N129	N130			RIGID	None	None	RIGID	Typical
95	MP3B	N131	N132			Larger Mount ...	Column	Pipe	A53 Gr.B	Typical
96	M96	N133	N134			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
97	MP4B	N135	N136			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
98	M98	N138	N137			OVP Mount Pi...	Column	Pipe	A53 Gr.B	Typical
99	M99	N140	N139			OVP Mount Pi...	Column	Pipe	A53 Gr.B	Typical
100	M100	N143	N144			RIGID	None	None	RIGID	Typical
101	M101	N145	N146			RIGID	None	None	RIGID	Typical
102	M102	N147	N148			RIGID	None	None	RIGID	Typical
103	M103	N149	N150			RIGID	None	None	RIGID	Typical
104	M104	N141	N142			Support Rail	Column	Pipe	A53 Gr.B	Typical
105	M105	N153	N151			RIGID	None	None	RIGID	Typical
106	M106	N154	N152			RIGID	None	None	RIGID	Typical
107	M107	N157	N158			RIGID	None	None	RIGID	Typical
108	M108	N159	N160			RIGID	None	None	RIGID	Typical
109	M109	N161	N162			RIGID	None	None	RIGID	Typical
110	M110	N163	N164			RIGID	None	None	RIGID	Typical
111	M111	N155	N156			Support Rail	Column	Pipe	A53 Gr.B	Typical
112	M112	N167	N165			RIGID	None	None	RIGID	Typical
113	M113	N168	N166			RIGID	None	None	RIGID	Typical
114	M114	N171	N172			RIGID	None	None	RIGID	Typical
115	M115	N173	N174			RIGID	None	None	RIGID	Typical
116	M116	N175	N176			RIGID	None	None	RIGID	Typical
117	M117	N177	N178			RIGID	None	None	RIGID	Typical
118	M118	N169	N170			Support Rail	Column	Pipe	A53 Gr.B	Typical
119	M119	N181	N179			RIGID	None	None	RIGID	Typical
120	M120	N182	N180			RIGID	None	None	RIGID	Typical
121	M121	N182	N153		90	Support Rail C...	Column	Single Angle	A36 Gr.36	Typical
122	M122	N154	N167		90	Support Rail C...	Column	Single Angle	A36 Gr.36	Typical
123	M123	N168	N181		90	Support Rail C...	Column	Single Angle	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1						Yes				None
2	M2						Yes	** NA **			None
3	M3						Yes	** NA **			None
4	M4		BenPIN				Yes	** NA **			None
5	M5						Yes				None
6	M6		BenPIN				Yes	** NA **			None
7	M7						Yes	** NA **			None
8	MP1A						Yes	** NA **			None
9	M9						Yes				None
10	M10		BenPIN				Yes	** NA **			None
11	M11						Yes				None
12	M12		BenPIN				Yes	** NA **			None
13	M13						Yes				None
14	M14		BenPIN				Yes	** NA **			None
15	M15						Yes				None
16	M16		BenPIN				Yes	** NA **			None
17	M17						Yes				None
18	M18		BenPIN				Yes	** NA **			None
19	M19						Yes				None
20	M20						Yes				None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
21	M21						Yes				None
22	M22						Yes				None
23	M23						Yes				None
24	M24						Yes				None
25	M25						Yes	** NA **			None
26	M26						Yes	** NA **			None
27	M27		BenPIN				Yes	** NA **			None
28	M28						Yes	** NA **			None
29	M29						Yes	** NA **			None
30	M30						Yes				None
31	M31						Yes	** NA **			None
32	M32						Yes	** NA **			None
33	M33						Yes				None
34	M34						Yes	** NA **			None
35	M35						Yes	** NA **			None
36	M36						Yes	** NA **			None
37	M37						Yes	** NA **			None
38	M38	OOOOOX	OOOOOX				Yes				None
39	M39						Yes	** NA **			None
40	M40						Yes	** NA **			None
41	M41	OOOOXO	OOOOXO				Yes				None
42	M42						Yes	** NA **			None
43	M43						Yes	** NA **			None
44	M44		BenPIN				Yes	** NA **			None
45	M45						Yes	** NA **			None
46	M46						Yes	** NA **			None
47	M47		BenPIN				Yes	** NA **			None
48	M48						Yes				None
49	M49						Yes	** NA **			None
50	M50						Yes				None
51	M51						Yes	** NA **			None
52	M52						Yes	** NA **			None
53	M53						Yes	** NA **			None
54	M54	OOOOOX	OOOOOX				Yes				None
55	M55						Yes	** NA **			None
56	M56						Yes	** NA **			None
57	M57	OOOOXO	OOOOXO				Yes				None
58	M58						Yes	** NA **			None
59	M59						Yes	** NA **			None
60	M60		BenPIN				Yes	** NA **			None
61	M61						Yes	** NA **			None
62	M62						Yes	** NA **			None
63	M63		BenPIN				Yes	** NA **			None
64	M64						Yes				None
65	M65						Yes	** NA **			None
66	M66						Yes				None
67	M67						Yes	** NA **			None
68	M68						Yes	** NA **			None
69	M69						Yes	** NA **			None
70	M70	OOOOOX	OOOOOX				Yes				None
71	M71						Yes	** NA **			None
72	M72						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
73	M73	OOOOXO	OOOOXO				Yes				None
74	M74						Yes	** NA **			None
75	MP2A						Yes	** NA **			None
76	M76						Yes	** NA **			None
77	MP3A						Yes	** NA **			None
78	M78						Yes	** NA **			None
79	MP4A						Yes	** NA **			None
80	M80						Yes				None
81	M81						Yes	** NA **			None
82	MP1C						Yes	** NA **			None
83	M83						Yes	** NA **			None
84	MP2C						Yes	** NA **			None
85	M85						Yes	** NA **			None
86	MP3C						Yes	** NA **			None
87	M87						Yes	** NA **			None
88	MP4C						Yes	** NA **			None
89	M89						Yes				None
90	M90						Yes	** NA **			None
91	MP1B						Yes	** NA **			None
92	M92						Yes	** NA **			None
93	MP2B						Yes	** NA **			None
94	M94						Yes	** NA **			None
95	MP3B						Yes	** NA **			None
96	M96						Yes	** NA **			None
97	MP4B						Yes	** NA **			None
98	M98						Yes	** NA **			None
99	M99						Yes	** NA **			None
100	M100						Yes	** NA **			None
101	M101						Yes	** NA **			None
102	M102						Yes	** NA **			None
103	M103						Yes	** NA **			None
104	M104						Yes	** NA **			None
105	M105		OOOOOO				Yes	** NA **			None
106	M106		OOOOOO				Yes	** NA **			None
107	M107						Yes	** NA **			None
108	M108						Yes	** NA **			None
109	M109						Yes	** NA **			None
110	M110						Yes	** NA **			None
111	M111						Yes	** NA **			None
112	M112		OOOOOO				Yes	** NA **			None
113	M113		OOOOOO				Yes	** NA **			None
114	M114						Yes	** NA **			None
115	M115						Yes	** NA **			None
116	M116						Yes	** NA **			None
117	M117						Yes	** NA **			None
118	M118						Yes	** NA **			None
119	M119		OOOOOO				Yes	** NA **			None
120	M120		OOOOOO				Yes	** NA **			None
121	M121						Yes	** NA **			None
122	M122						Yes	** NA **			None
123	M123						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-31.65	1
2	MP2A	My	-.015	1
3	MP2A	Mz	-.026	1
4	MP2A	Y	-31.65	6
5	MP2A	My	-.015	6
6	MP2A	Mz	-.026	6
7	MP2B	Y	-31.65	1
8	MP2B	My	.029	1
9	MP2B	Mz	.005	1
10	MP2B	Y	-31.65	6
11	MP2B	My	.029	6
12	MP2B	Mz	.005	6
13	MP2C	Y	-31.65	1
14	MP2C	My	-.019	1
15	MP2C	Mz	.023	1
16	MP2C	Y	-31.65	6
17	MP2C	My	-.019	6
18	MP2C	Mz	.023	6
19	MP2A	Y	-31.65	1
20	MP2A	My	-.026	1
21	MP2A	Mz	.015	1
22	MP2A	Y	-31.65	6
23	MP2A	My	-.026	6
24	MP2A	Mz	.015	6
25	MP2B	Y	-31.65	1
26	MP2B	My	.005	1
27	MP2B	Mz	-.029	1
28	MP2B	Y	-31.65	6
29	MP2B	My	.005	6
30	MP2B	Mz	-.029	6
31	MP2C	Y	-31.65	1
32	MP2C	My	.023	1
33	MP2C	Mz	.019	1
34	MP2C	Y	-31.65	6
35	MP2C	My	.023	6
36	MP2C	Mz	.019	6
37	MP3A	Y	-43.55	2
38	MP3A	My	-.028	2
39	MP3A	Mz	-.008	2
40	MP3A	Y	-43.55	5
41	MP3A	My	-.028	5
42	MP3A	Mz	-.008	5
43	MP3B	Y	-43.55	2
44	MP3B	My	.024	2
45	MP3B	Mz	-.017	2
46	MP3B	Y	-43.55	5
47	MP3B	My	.024	5
48	MP3B	Mz	-.017	5
49	MP3C	Y	-43.55	2
50	MP3C	My	.003	2
51	MP3C	Mz	.029	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP3C	Y	-43.55	5
53	MP3C	My	.003	5
54	MP3C	Mz	.029	5
55	MP2A	Y	-10.4	2
56	MP2A	My	.007	2
57	MP2A	Mz	.002	2
58	MP2B	Y	-10.4	2
59	MP2B	My	-.006	2
60	MP2B	Mz	.004	2
61	MP2C	Y	-10.4	2
62	MP2C	My	-.000604	2
63	MP2C	Mz	-.007	2
64	MP2A	Y	-84.4	3.5
65	MP2A	My	.054	3.5
66	MP2A	Mz	.015	3.5
67	MP2B	Y	-84.4	3.5
68	MP2B	My	-.046	3.5
69	MP2B	Mz	.032	3.5
70	MP2C	Y	-84.4	3.5
71	MP2C	My	-.005	3.5
72	MP2C	Mz	-.056	3.5
73	MP1A	Y	-70.3	3.5
74	MP1A	My	.045	3.5
75	MP1A	Mz	.012	3.5
76	MP1B	Y	-70.3	3.5
77	MP1B	My	.045	3.5
78	MP1B	Mz	.012	3.5
79	MP1C	Y	-70.3	3.5
80	MP1C	My	.045	3.5
81	MP1C	Mz	.012	3.5
82	MP1C	Y	-10.5	1
83	MP1C	My	.00061	1
84	MP1C	Mz	.007	1
85	MP1C	Y	-10.5	5
86	MP1C	My	.00061	5
87	MP1C	Mz	.007	5
88	MP4C	Y	-10.5	1
89	MP4C	My	.00061	1
90	MP4C	Mz	.007	1
91	MP4C	Y	-10.5	5
92	MP4C	My	.00061	5
93	MP4C	Mz	.007	5
94	MP1A	Y	-13.5	1
95	MP1A	My	-.009	1
96	MP1A	Mz	-.002	1
97	MP1A	Y	-13.5	5
98	MP1A	My	-.009	5
99	MP1A	Mz	-.002	5
100	MP1B	Y	-13.5	1
101	MP1B	My	.007	1
102	MP1B	Mz	-.005	1
103	MP1B	Y	-13.5	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
104	MP1B	My	.007	5
105	MP1B	Mz	-.005	5
106	MP4A	Y	-13.5	1
107	MP4A	My	-.009	1
108	MP4A	Mz	-.002	1
109	MP4A	Y	-13.5	5
110	MP4A	My	-.009	5
111	MP4A	Mz	-.002	5
112	MP4B	Y	-13.5	1
113	MP4B	My	.007	1
114	MP4B	Mz	-.005	1
115	MP4B	Y	-13.5	5
116	MP4B	My	.007	5
117	MP4B	Mz	-.005	5
118	M99	Y	-26.9	1
119	M99	My	-.008	1
120	M99	Mz	.016	1
121	M98	Y	-26.9	1
122	M98	My	-.008	1
123	M98	Mz	.016	1

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-70.628	1
2	MP2A	My	-.033	1
3	MP2A	Mz	-.058	1
4	MP2A	Y	-70.628	6
5	MP2A	My	-.033	6
6	MP2A	Mz	-.058	6
7	MP2B	Y	-70.628	1
8	MP2B	My	.066	1
9	MP2B	Mz	.012	1
10	MP2B	Y	-70.628	6
11	MP2B	My	.066	6
12	MP2B	Mz	.012	6
13	MP2C	Y	-70.628	1
14	MP2C	My	-.043	1
15	MP2C	Mz	.051	1
16	MP2C	Y	-70.628	6
17	MP2C	My	-.043	6
18	MP2C	Mz	.051	6
19	MP2A	Y	-70.628	1
20	MP2A	My	-.058	1
21	MP2A	Mz	.033	1
22	MP2A	Y	-70.628	6
23	MP2A	My	-.058	6
24	MP2A	Mz	.033	6
25	MP2B	Y	-70.628	1
26	MP2B	My	.012	1
27	MP2B	Mz	-.066	1
28	MP2B	Y	-70.628	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	My	.012	6
30	MP2B	Mz	-.066	6
31	MP2C	Y	-70.628	1
32	MP2C	My	.051	1
33	MP2C	Mz	.043	1
34	MP2C	Y	-70.628	6
35	MP2C	My	.051	6
36	MP2C	Mz	.043	6
37	MP3A	Y	-35.966	2
38	MP3A	My	-.023	2
39	MP3A	Mz	-.006	2
40	MP3A	Y	-35.966	5
41	MP3A	My	-.023	5
42	MP3A	Mz	-.006	5
43	MP3B	Y	-35.966	2
44	MP3B	My	.02	2
45	MP3B	Mz	-.014	2
46	MP3B	Y	-35.966	5
47	MP3B	My	.02	5
48	MP3B	Mz	-.014	5
49	MP3C	Y	-35.966	2
50	MP3C	My	.002	2
51	MP3C	Mz	.024	2
52	MP3C	Y	-35.966	5
53	MP3C	My	.002	5
54	MP3C	Mz	.024	5
55	MP2A	Y	-10.862	2
56	MP2A	My	.007	2
57	MP2A	Mz	.002	2
58	MP2B	Y	-10.862	2
59	MP2B	My	-.006	2
60	MP2B	Mz	.004	2
61	MP2C	Y	-10.862	2
62	MP2C	My	-.000631	2
63	MP2C	Mz	-.007	2
64	MP2A	Y	-45.351	3.5
65	MP2A	My	.029	3.5
66	MP2A	Mz	.008	3.5
67	MP2B	Y	-45.351	3.5
68	MP2B	My	-.025	3.5
69	MP2B	Mz	.017	3.5
70	MP2C	Y	-45.351	3.5
71	MP2C	My	-.003	3.5
72	MP2C	Mz	-.03	3.5
73	MP1A	Y	-40.788	3.5
74	MP1A	My	.026	3.5
75	MP1A	Mz	.007	3.5
76	MP1B	Y	-40.788	3.5
77	MP1B	My	.026	3.5
78	MP1B	Mz	.007	3.5
79	MP1C	Y	-40.788	3.5
80	MP1C	My	.026	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP1C	Mz	.007	3.5
82	MP1C	Y	-59.053	1
83	MP1C	My	.003	1
84	MP1C	Mz	.039	1
85	MP1C	Y	-59.053	5
86	MP1C	My	.003	5
87	MP1C	Mz	.039	5
88	MP4C	Y	-59.053	1
89	MP4C	My	.003	1
90	MP4C	Mz	.039	1
91	MP4C	Y	-59.053	5
92	MP4C	My	.003	5
93	MP4C	Mz	.039	5
94	MP1A	Y	-89.522	1
95	MP1A	My	-.058	1
96	MP1A	Mz	-.015	1
97	MP1A	Y	-89.522	5
98	MP1A	My	-.058	5
99	MP1A	Mz	-.015	5
100	MP1B	Y	-89.522	1
101	MP1B	My	.049	1
102	MP1B	Mz	-.034	1
103	MP1B	Y	-89.522	5
104	MP1B	My	.049	5
105	MP1B	Mz	-.034	5
106	MP4A	Y	-89.522	1
107	MP4A	My	-.058	1
108	MP4A	Mz	-.015	1
109	MP4A	Y	-89.522	5
110	MP4A	My	-.058	5
111	MP4A	Mz	-.015	5
112	MP4B	Y	-89.522	1
113	MP4B	My	.049	1
114	MP4B	Mz	-.034	1
115	MP4B	Y	-89.522	5
116	MP4B	My	.049	5
117	MP4B	Mz	-.034	5
118	M99	Y	-55.838	1
119	M99	My	-.016	1
120	M99	Mz	.034	1
121	M98	Y	-55.838	1
122	M98	My	-.016	1
123	M98	Mz	.034	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	-153.189	1
3	MP2A	Mx	.125	1
4	MP2A	X	0	6
5	MP2A	Z	-153.189	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2A	Mx	.125	6
7	MP2B	X	0	1
8	MP2B	Z	-139.089	1
9	MP2B	Mx	-.023	1
10	MP2B	X	0	6
11	MP2B	Z	-139.089	6
12	MP2B	Mx	-.023	6
13	MP2C	X	0	1
14	MP2C	Z	-103.389	1
15	MP2C	Mx	-.075	1
16	MP2C	X	0	6
17	MP2C	Z	-103.389	6
18	MP2C	Mx	-.075	6
19	MP2A	X	0	1
20	MP2A	Z	-153.189	1
21	MP2A	Mx	-.072	1
22	MP2A	X	0	6
23	MP2A	Z	-153.189	6
24	MP2A	Mx	-.072	6
25	MP2B	X	0	1
26	MP2B	Z	-139.089	1
27	MP2B	Mx	.129	1
28	MP2B	X	0	6
29	MP2B	Z	-139.089	6
30	MP2B	Mx	.129	6
31	MP2C	X	0	1
32	MP2C	Z	-103.389	1
33	MP2C	Mx	-.063	1
34	MP2C	X	0	6
35	MP2C	Z	-103.389	6
36	MP2C	Mx	-.063	6
37	MP3A	X	0	2
38	MP3A	Z	-77.595	2
39	MP3A	Mx	.013	2
40	MP3A	X	0	5
41	MP3A	Z	-77.595	5
42	MP3A	Mx	.013	5
43	MP3B	X	0	2
44	MP3B	Z	-64.698	2
45	MP3B	Mx	.025	2
46	MP3B	X	0	5
47	MP3B	Z	-64.698	5
48	MP3B	Mx	.025	5
49	MP3C	X	0	2
50	MP3C	Z	-32.043	2
51	MP3C	Mx	-.021	2
52	MP3C	X	0	5
53	MP3C	Z	-32.043	5
54	MP3C	Mx	-.021	5
55	MP2A	X	0	2
56	MP2A	Z	-12.401	2
57	MP2A	Mx	-.002	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	0	2
59	MP2B	Z	-11.445	2
60	MP2B	Mx	-.004	2
61	MP2C	X	0	2
62	MP2C	Z	-8.842	2
63	MP2C	Mx	.006	2
64	MP2A	X	0	3.5
65	MP2A	Z	-62.94	3.5
66	MP2A	Mx	-.011	3.5
67	MP2B	X	0	3.5
68	MP2B	Z	-57.348	3.5
69	MP2B	Mx	-.022	3.5
70	MP2C	X	0	3.5
71	MP2C	Z	-43.19	3.5
72	MP2C	Mx	.029	3.5
73	MP1A	X	0	3.5
74	MP1A	Z	-62.392	3.5
75	MP1A	Mx	-.011	3.5
76	MP1B	X	0	3.5
77	MP1B	Z	-62.392	3.5
78	MP1B	Mx	-.011	3.5
79	MP1C	X	0	3.5
80	MP1C	Z	-62.392	3.5
81	MP1C	Mx	-.011	3.5
82	MP1C	X	0	1
83	MP1C	Z	-147.942	1
84	MP1C	Mx	-.098	1
85	MP1C	X	0	5
86	MP1C	Z	-147.942	5
87	MP1C	Mx	-.098	5
88	MP4C	X	0	1
89	MP4C	Z	-147.942	1
90	MP4C	Mx	-.098	1
91	MP4C	X	0	5
92	MP4C	Z	-147.942	5
93	MP4C	Mx	-.098	5
94	MP1A	X	0	1
95	MP1A	Z	-164.045	1
96	MP1A	Mx	.028	1
97	MP1A	X	0	5
98	MP1A	Z	-164.045	5
99	MP1A	Mx	.028	5
100	MP1B	X	0	1
101	MP1B	Z	-159.422	1
102	MP1B	Mx	.061	1
103	MP1B	X	0	5
104	MP1B	Z	-159.422	5
105	MP1B	Mx	.061	5
106	MP4A	X	0	1
107	MP4A	Z	-164.045	1
108	MP4A	Mx	.028	1
109	MP4A	X	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
110	MP4A	Z	-164.045	5
111	MP4A	Mx	.028	5
112	MP4B	X	0	1
113	MP4B	Z	-159.422	1
114	MP4B	Mx	.061	1
115	MP4B	X	0	5
116	MP4B	Z	-159.422	5
117	MP4B	Mx	.061	5
118	M99	X	0	1
119	M99	Z	-61.273	1
120	M99	Mx	-.037	1
121	M98	X	0	1
122	M98	Z	-61.273	1
123	M98	Mx	-.037	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	76.594	1
2	MP2A	Z	-132.665	1
3	MP2A	Mx	.072	1
4	MP2A	X	76.594	6
5	MP2A	Z	-132.665	6
6	MP2A	Mx	.072	6
7	MP2B	X	56.296	1
8	MP2B	Z	-97.507	1
9	MP2B	Mx	.036	1
10	MP2B	X	56.296	6
11	MP2B	Z	-97.507	6
12	MP2B	Mx	.036	6
13	MP2C	X	60.342	1
14	MP2C	Z	-104.516	1
15	MP2C	Mx	-.112	1
16	MP2C	X	60.342	6
17	MP2C	Z	-104.516	6
18	MP2C	Mx	-.112	6
19	MP2A	X	76.594	1
20	MP2A	Z	-132.665	1
21	MP2A	Mx	-.125	1
22	MP2A	X	76.594	6
23	MP2A	Z	-132.665	6
24	MP2A	Mx	-.125	6
25	MP2B	X	56.296	1
26	MP2B	Z	-97.507	1
27	MP2B	Mx	.1	1
28	MP2B	X	56.296	6
29	MP2B	Z	-97.507	6
30	MP2B	Mx	.1	6
31	MP2C	X	60.342	1
32	MP2C	Z	-104.516	1
33	MP2C	Mx	-.02	1
34	MP2C	X	60.342	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP2C	Z	-104.516	6
36	MP2C	Mx	-.02	6
37	MP3A	X	38.798	2
38	MP3A	Z	-67.199	2
39	MP3A	Mx	-.013	2
40	MP3A	X	38.798	5
41	MP3A	Z	-67.199	5
42	MP3A	Mx	-.013	5
43	MP3B	X	20.23	2
44	MP3B	Z	-35.04	2
45	MP3B	Mx	.024	2
46	MP3B	X	20.23	5
47	MP3B	Z	-35.04	5
48	MP3B	Mx	.024	5
49	MP3C	X	23.932	2
50	MP3C	Z	-41.451	2
51	MP3C	Mx	-.026	2
52	MP3C	X	23.932	5
53	MP3C	Z	-41.451	5
54	MP3C	Mx	-.026	5
55	MP2A	X	6.269	2
56	MP2A	Z	-10.858	2
57	MP2A	Mx	.002	2
58	MP2B	X	4.756	2
59	MP2B	Z	-8.238	2
60	MP2B	Mx	-.006	2
61	MP2C	X	5.052	2
62	MP2C	Z	-8.75	2
63	MP2C	Mx	.006	2
64	MP2A	X	31.47	3.5
65	MP2A	Z	-54.508	3.5
66	MP2A	Mx	.011	3.5
67	MP2B	X	23.42	3.5
68	MP2B	Z	-40.564	3.5
69	MP2B	Mx	-.028	3.5
70	MP2C	X	25.025	3.5
71	MP2C	Z	-43.344	3.5
72	MP2C	Mx	.027	3.5
73	MP1A	X	31.196	3.5
74	MP1A	Z	-54.033	3.5
75	MP1A	Mx	.011	3.5
76	MP1B	X	31.196	3.5
77	MP1B	Z	-54.033	3.5
78	MP1B	Mx	.011	3.5
79	MP1C	X	31.196	3.5
80	MP1C	Z	-54.033	3.5
81	MP1C	Mx	.011	3.5
82	MP1C	X	62.083	1
83	MP1C	Z	-107.53	1
84	MP1C	Mx	-.068	1
85	MP1C	X	62.083	5
86	MP1C	Z	-107.53	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
87	MP1C	Mx	-.068	5
88	MP4C	X	62.083	1
89	MP4C	Z	-107.53	1
90	MP4C	Mx	-.068	1
91	MP4C	X	62.083	5
92	MP4C	Z	-107.53	5
93	MP4C	Mx	-.068	5
94	MP1A	X	82.022	1
95	MP1A	Z	-142.067	1
96	MP1A	Mx	-.028	1
97	MP1A	X	82.022	5
98	MP1A	Z	-142.067	5
99	MP1A	Mx	-.028	5
100	MP1B	X	75.366	1
101	MP1B	Z	-130.538	1
102	MP1B	Mx	.091	1
103	MP1B	X	75.366	5
104	MP1B	Z	-130.538	5
105	MP1B	Mx	.091	5
106	MP4A	X	82.022	1
107	MP4A	Z	-142.067	1
108	MP4A	Mx	-.028	1
109	MP4A	X	82.022	5
110	MP4A	Z	-142.067	5
111	MP4A	Mx	-.028	5
112	MP4B	X	75.366	1
113	MP4B	Z	-130.538	1
114	MP4B	Mx	.091	1
115	MP4B	X	75.366	5
116	MP4B	Z	-130.538	5
117	MP4B	Mx	.091	5
118	M99	X	28.057	1
119	M99	Z	-48.596	1
120	M99	Mx	-.037	1
121	M98	X	28.057	1
122	M98	Z	-48.596	1
123	M98	Mx	-.037	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	112.485	1
2	MP2A	Z	-64.943	1
3	MP2A	Mx	0	1
4	MP2A	X	112.485	6
5	MP2A	Z	-64.943	6
6	MP2A	Mx	0	6
7	MP2B	X	89.537	1
8	MP2B	Z	-51.694	1
9	MP2B	Mx	.075	1
10	MP2B	X	89.537	6
11	MP2B	Z	-51.694	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP2B	Mx	.075	6
13	MP2C	X	127.463	1
14	MP2C	Z	-73.591	1
15	MP2C	Mx	-.13	1
16	MP2C	X	127.463	6
17	MP2C	Z	-73.591	6
18	MP2C	Mx	-.13	6
19	MP2A	X	112.485	1
20	MP2A	Z	-64.943	1
21	MP2A	Mx	-.122	1
22	MP2A	X	112.485	6
23	MP2A	Z	-64.943	6
24	MP2A	Mx	-.122	6
25	MP2B	X	89.537	1
26	MP2B	Z	-51.694	1
27	MP2B	Mx	.063	1
28	MP2B	X	89.537	6
29	MP2B	Z	-51.694	6
30	MP2B	Mx	.063	6
31	MP2C	X	127.463	1
32	MP2C	Z	-73.591	1
33	MP2C	Mx	.047	1
34	MP2C	X	127.463	6
35	MP2C	Z	-73.591	6
36	MP2C	Mx	.047	6
37	MP3A	X	48.741	2
38	MP3A	Z	-28.14	2
39	MP3A	Mx	-.027	2
40	MP3A	X	48.741	5
41	MP3A	Z	-28.14	5
42	MP3A	Mx	-.027	5
43	MP3B	X	27.75	2
44	MP3B	Z	-16.022	2
45	MP3B	Mx	.021	2
46	MP3B	X	27.75	5
47	MP3B	Z	-16.022	5
48	MP3B	Mx	.021	5
49	MP3C	X	62.441	2
50	MP3C	Z	-36.05	2
51	MP3C	Mx	-.02	2
52	MP3C	X	62.441	5
53	MP3C	Z	-36.05	5
54	MP3C	Mx	-.02	5
55	MP2A	X	9.449	2
56	MP2A	Z	-5.456	2
57	MP2A	Mx	.005	2
58	MP2B	X	7.657	2
59	MP2B	Z	-4.421	2
60	MP2B	Mx	-.006	2
61	MP2C	X	10.423	2
62	MP2C	Z	-6.018	2
63	MP2C	Mx	.003	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP2A	X	46.505	3.5
65	MP2A	Z	-26.849	3.5
66	MP2A	Mx	.025	3.5
67	MP2B	X	37.404	3.5
68	MP2B	Z	-21.595	3.5
69	MP2B	Mx	-.029	3.5
70	MP2C	X	52.445	3.5
71	MP2C	Z	-30.279	3.5
72	MP2C	Mx	.017	3.5
73	MP1A	X	42.964	3.5
74	MP1A	Z	-24.806	3.5
75	MP1A	Mx	.023	3.5
76	MP1B	X	42.964	3.5
77	MP1B	Z	-24.806	3.5
78	MP1B	Mx	.023	3.5
79	MP1C	X	42.964	3.5
80	MP1C	Z	-24.806	3.5
81	MP1C	Mx	.023	3.5
82	MP1C	X	75.983	1
83	MP1C	Z	-43.869	1
84	MP1C	Mx	-.025	1
85	MP1C	X	75.983	5
86	MP1C	Z	-43.869	5
87	MP1C	Mx	-.025	5
88	MP4C	X	75.983	1
89	MP4C	Z	-43.869	1
90	MP4C	Mx	-.025	1
91	MP4C	X	75.983	5
92	MP4C	Z	-43.869	5
93	MP4C	Mx	-.025	5
94	MP1A	X	135.45	1
95	MP1A	Z	-78.202	1
96	MP1A	Mx	-.074	1
97	MP1A	X	135.45	5
98	MP1A	Z	-78.202	5
99	MP1A	Mx	-.074	5
100	MP1B	X	127.925	1
101	MP1B	Z	-73.858	1
102	MP1B	Mx	.098	1
103	MP1B	X	127.925	5
104	MP1B	Z	-73.858	5
105	MP1B	Mx	.098	5
106	MP4A	X	135.45	1
107	MP4A	Z	-78.202	1
108	MP4A	Mx	-.074	1
109	MP4A	X	135.45	5
110	MP4A	Z	-78.202	5
111	MP4A	Mx	-.074	5
112	MP4B	X	127.925	1
113	MP4B	Z	-73.858	1
114	MP4B	Mx	.098	1
115	MP4B	X	127.925	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
116	MP4B	Z	-73.858	5
117	MP4B	Mx	.098	5
118	M99	X	56.994	1
119	M99	Z	-32.905	1
120	M99	Mx	-.036	1
121	M98	X	56.994	1
122	M98	Z	-32.905	1
123	M98	Mx	-.036	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	106.585	1
2	MP2A	Z	0	1
3	MP2A	Mx	-.05	1
4	MP2A	X	106.585	6
5	MP2A	Z	0	6
6	MP2A	Mx	-.05	6
7	MP2B	X	120.684	1
8	MP2B	Z	0	1
9	MP2B	Mx	.112	1
10	MP2B	X	120.684	6
11	MP2B	Z	0	6
12	MP2B	Mx	.112	6
13	MP2C	X	156.385	1
14	MP2C	Z	0	1
15	MP2C	Mx	-.095	1
16	MP2C	X	156.385	6
17	MP2C	Z	0	6
18	MP2C	Mx	-.095	6
19	MP2A	X	106.585	1
20	MP2A	Z	0	1
21	MP2A	Mx	-.087	1
22	MP2A	X	106.585	6
23	MP2A	Z	0	6
24	MP2A	Mx	-.087	6
25	MP2B	X	120.684	1
26	MP2B	Z	0	1
27	MP2B	Mx	.02	1
28	MP2B	X	120.684	6
29	MP2B	Z	0	6
30	MP2B	Mx	.02	6
31	MP2C	X	156.385	1
32	MP2C	Z	0	1
33	MP2C	Mx	.113	1
34	MP2C	X	156.385	6
35	MP2C	Z	0	6
36	MP2C	Mx	.113	6
37	MP3A	X	34.967	2
38	MP3A	Z	0	2
39	MP3A	Mx	-.023	2
40	MP3A	X	34.967	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP3A	Z	0	5
42	MP3A	Mx	-.023	5
43	MP3B	X	47.863	2
44	MP3B	Z	0	2
45	MP3B	Mx	.026	2
46	MP3B	X	47.863	5
47	MP3B	Z	0	5
48	MP3B	Mx	.026	5
49	MP3C	X	80.518	2
50	MP3C	Z	0	2
51	MP3C	Mx	.005	2
52	MP3C	X	80.518	5
53	MP3C	Z	0	5
54	MP3C	Mx	.005	5
55	MP2A	X	9.148	2
56	MP2A	Z	0	2
57	MP2A	Mx	.006	2
58	MP2B	X	10.103	2
59	MP2B	Z	0	2
60	MP2B	Mx	-.006	2
61	MP2C	X	12.706	2
62	MP2C	Z	0	2
63	MP2C	Mx	-.000738	2
64	MP2A	X	44.457	3.5
65	MP2A	Z	0	3.5
66	MP2A	Mx	.029	3.5
67	MP2B	X	50.049	3.5
68	MP2B	Z	0	3.5
69	MP2B	Mx	-.027	3.5
70	MP2C	X	64.208	3.5
71	MP2C	Z	0	3.5
72	MP2C	Mx	-.004	3.5
73	MP1A	X	36.83	3.5
74	MP1A	Z	0	3.5
75	MP1A	Mx	.024	3.5
76	MP1B	X	36.83	3.5
77	MP1B	Z	0	3.5
78	MP1B	Mx	.024	3.5
79	MP1C	X	36.83	3.5
80	MP1C	Z	0	3.5
81	MP1C	Mx	.024	3.5
82	MP1C	X	75.086	1
83	MP1C	Z	0	1
84	MP1C	Mx	.004	1
85	MP1C	X	75.086	5
86	MP1C	Z	0	5
87	MP1C	Mx	.004	5
88	MP4C	X	75.086	1
89	MP4C	Z	0	1
90	MP4C	Mx	.004	1
91	MP4C	X	75.086	5
92	MP4C	Z	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
93	MP4C	Mx	.004	5
94	MP1A	X	148.763	1
95	MP1A	Z	0	1
96	MP1A	Mx	-.096	1
97	MP1A	X	148.763	5
98	MP1A	Z	0	5
99	MP1A	Mx	-.096	5
100	MP1B	X	153.386	1
101	MP1B	Z	0	1
102	MP1B	Mx	.084	1
103	MP1B	X	153.386	5
104	MP1B	Z	0	5
105	MP1B	Mx	.084	5
106	MP4A	X	148.763	1
107	MP4A	Z	0	1
108	MP4A	Mx	-.096	1
109	MP4A	X	148.763	5
110	MP4A	Z	0	5
111	MP4A	Mx	-.096	5
112	MP4B	X	153.386	1
113	MP4B	Z	0	1
114	MP4B	Mx	.084	1
115	MP4B	X	153.386	5
116	MP4B	Z	0	5
117	MP4B	Mx	.084	5
118	M99	X	80.667	1
119	M99	Z	0	1
120	M99	Mx	-.023	1
121	M98	X	80.667	1
122	M98	Z	0	1
123	M98	Mx	-.023	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	92.305	1
2	MP2A	Z	53.292	1
3	MP2A	Mx	-.087	1
4	MP2A	X	92.305	6
5	MP2A	Z	53.292	6
6	MP2A	Mx	-.087	6
7	MP2B	X	127.463	1
8	MP2B	Z	73.591	1
9	MP2B	Mx	.13	1
10	MP2B	X	127.463	6
11	MP2B	Z	73.591	6
12	MP2B	Mx	.13	6
13	MP2C	X	120.455	1
14	MP2C	Z	69.545	1
15	MP2C	Mx	-.023	1
16	MP2C	X	120.455	6
17	MP2C	Z	69.545	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2C	Mx	-.023	6
19	MP2A	X	92.305	1
20	MP2A	Z	53.292	1
21	MP2A	Mx	-.05	1
22	MP2A	X	92.305	6
23	MP2A	Z	53.292	6
24	MP2A	Mx	-.05	6
25	MP2B	X	127.463	1
26	MP2B	Z	73.591	1
27	MP2B	Mx	-.047	1
28	MP2B	X	127.463	6
29	MP2B	Z	73.591	6
30	MP2B	Mx	-.047	6
31	MP2C	X	120.455	1
32	MP2C	Z	69.545	1
33	MP2C	Mx	.129	1
34	MP2C	X	120.455	6
35	MP2C	Z	69.545	6
36	MP2C	Mx	.129	6
37	MP3A	X	30.282	2
38	MP3A	Z	17.483	2
39	MP3A	Mx	-.023	2
40	MP3A	X	30.282	5
41	MP3A	Z	17.483	5
42	MP3A	Mx	-.023	5
43	MP3B	X	62.441	2
44	MP3B	Z	36.05	2
45	MP3B	Mx	.02	2
46	MP3B	X	62.441	5
47	MP3B	Z	36.05	5
48	MP3B	Mx	.02	5
49	MP3C	X	56.031	2
50	MP3C	Z	32.349	2
51	MP3C	Mx	.025	2
52	MP3C	X	56.031	5
53	MP3C	Z	32.349	5
54	MP3C	Mx	.025	5
55	MP2A	X	7.803	2
56	MP2A	Z	4.505	2
57	MP2A	Mx	.006	2
58	MP2B	X	10.423	2
59	MP2B	Z	6.018	2
60	MP2B	Mx	-.003	2
61	MP2C	X	9.912	2
62	MP2C	Z	5.723	2
63	MP2C	Mx	-.004	2
64	MP2A	X	38.501	3.5
65	MP2A	Z	22.229	3.5
66	MP2A	Mx	.029	3.5
67	MP2B	X	52.445	3.5
68	MP2B	Z	30.279	3.5
69	MP2B	Mx	-.017	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP2C	X	49.665	3.5
71	MP2C	Z	28.674	3.5
72	MP2C	Mx	-.022	3.5
73	MP1A	X	31.896	3.5
74	MP1A	Z	18.415	3.5
75	MP1A	Mx	.024	3.5
76	MP1B	X	31.896	3.5
77	MP1B	Z	18.415	3.5
78	MP1B	Mx	.024	3.5
79	MP1C	X	31.896	3.5
80	MP1C	Z	18.415	3.5
81	MP1C	Mx	.024	3.5
82	MP1C	X	85.618	1
83	MP1C	Z	49.431	1
84	MP1C	Mx	.038	1
85	MP1C	X	85.618	5
86	MP1C	Z	49.431	5
87	MP1C	Mx	.038	5
88	MP4C	X	85.618	1
89	MP4C	Z	49.431	1
90	MP4C	Mx	.038	1
91	MP4C	X	85.618	5
92	MP4C	Z	49.431	5
93	MP4C	Mx	.038	5
94	MP1A	X	128.833	1
95	MP1A	Z	74.382	1
96	MP1A	Mx	-.096	1
97	MP1A	X	128.833	5
98	MP1A	Z	74.382	5
99	MP1A	Mx	-.096	5
100	MP1B	X	140.361	1
101	MP1B	Z	81.038	1
102	MP1B	Mx	.046	1
103	MP1B	X	140.361	5
104	MP1B	Z	81.038	5
105	MP1B	Mx	.046	5
106	MP4A	X	128.833	1
107	MP4A	Z	74.382	1
108	MP4A	Mx	-.096	1
109	MP4A	X	128.833	5
110	MP4A	Z	74.382	5
111	MP4A	Mx	-.096	5
112	MP4B	X	140.361	1
113	MP4B	Z	81.038	1
114	MP4B	Mx	.046	1
115	MP4B	X	140.361	5
116	MP4B	Z	81.038	5
117	MP4B	Mx	.046	5
118	M99	X	74.328	1
119	M99	Z	42.913	1
120	M99	Mx	.005	1
121	M98	X	74.328	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
122	M98	Z	42.913	1
123	M98	Mx	.005	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	64.943	1
2	MP2A	Z	112.485	1
3	MP2A	Mx	-.122	1
4	MP2A	X	64.943	6
5	MP2A	Z	112.485	6
6	MP2A	Mx	-.122	6
7	MP2B	X	78.192	1
8	MP2B	Z	135.433	1
9	MP2B	Mx	.095	1
10	MP2B	X	78.192	6
11	MP2B	Z	135.433	6
12	MP2B	Mx	.095	6
13	MP2C	X	56.296	1
14	MP2C	Z	97.507	1
15	MP2C	Mx	.036	1
16	MP2C	X	56.296	6
17	MP2C	Z	97.507	6
18	MP2C	Mx	.036	6
19	MP2A	X	64.943	1
20	MP2A	Z	112.485	1
21	MP2A	Mx	0	1
22	MP2A	X	64.943	6
23	MP2A	Z	112.485	6
24	MP2A	Mx	0	6
25	MP2B	X	78.192	1
26	MP2B	Z	135.433	1
27	MP2B	Mx	-.113	1
28	MP2B	X	78.192	6
29	MP2B	Z	135.433	6
30	MP2B	Mx	-.113	6
31	MP2C	X	56.296	1
32	MP2C	Z	97.507	1
33	MP2C	Mx	.1	1
34	MP2C	X	56.296	6
35	MP2C	Z	97.507	6
36	MP2C	Mx	.1	6
37	MP3A	X	28.14	2
38	MP3A	Z	48.741	2
39	MP3A	Mx	-.027	2
40	MP3A	X	28.14	5
41	MP3A	Z	48.741	5
42	MP3A	Mx	-.027	5
43	MP3B	X	40.259	2
44	MP3B	Z	69.731	2
45	MP3B	Mx	-.005	2
46	MP3B	X	40.259	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP3B	Z	69.731	5
48	MP3B	Mx	-.005	5
49	MP3C	X	20.23	2
50	MP3C	Z	35.04	2
51	MP3C	Mx	.024	2
52	MP3C	X	20.23	5
53	MP3C	Z	35.04	5
54	MP3C	Mx	.024	5
55	MP2A	X	5.319	2
56	MP2A	Z	9.212	2
57	MP2A	Mx	.005	2
58	MP2B	X	6.353	2
59	MP2B	Z	11.004	2
60	MP2B	Mx	.000738	2
61	MP2C	X	4.756	2
62	MP2C	Z	8.238	2
63	MP2C	Mx	-.006	2
64	MP2A	X	26.849	3.5
65	MP2A	Z	46.505	3.5
66	MP2A	Mx	.025	3.5
67	MP2B	X	32.104	3.5
68	MP2B	Z	55.605	3.5
69	MP2B	Mx	.004	3.5
70	MP2C	X	23.42	3.5
71	MP2C	Z	40.564	3.5
72	MP2C	Mx	-.028	3.5
73	MP1A	X	24.806	3.5
74	MP1A	Z	42.964	3.5
75	MP1A	Mx	.023	3.5
76	MP1B	X	24.806	3.5
77	MP1B	Z	42.964	3.5
78	MP1B	Mx	.023	3.5
79	MP1C	X	24.806	3.5
80	MP1C	Z	42.964	3.5
81	MP1C	Mx	.023	3.5
82	MP1C	X	67.645	1
83	MP1C	Z	117.165	1
84	MP1C	Mx	.082	1
85	MP1C	X	67.645	5
86	MP1C	Z	117.165	5
87	MP1C	Mx	.082	5
88	MP4C	X	67.645	1
89	MP4C	Z	117.165	1
90	MP4C	Mx	.082	1
91	MP4C	X	67.645	5
92	MP4C	Z	117.165	5
93	MP4C	Mx	.082	5
94	MP1A	X	78.202	1
95	MP1A	Z	135.45	1
96	MP1A	Mx	-.074	1
97	MP1A	X	78.202	5
98	MP1A	Z	135.45	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
99	MP1A	Mx	-.074	5
100	MP1B	X	82.546	1
101	MP1B	Z	142.975	1
102	MP1B	Mx	-.01	1
103	MP1B	X	82.546	5
104	MP1B	Z	142.975	5
105	MP1B	Mx	-.01	5
106	MP4A	X	78.202	1
107	MP4A	Z	135.45	1
108	MP4A	Mx	-.074	1
109	MP4A	X	78.202	5
110	MP4A	Z	135.45	5
111	MP4A	Mx	-.074	5
112	MP4B	X	82.546	1
113	MP4B	Z	142.975	1
114	MP4B	Mx	-.01	1
115	MP4B	X	82.546	5
116	MP4B	Z	142.975	5
117	MP4B	Mx	-.01	5
118	M99	X	38.065	1
119	M99	Z	65.93	1
120	M99	Mx	.029	1
121	M98	X	38.065	1
122	M98	Z	65.93	1
123	M98	Mx	.029	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	153.189	1
3	MP2A	Mx	-.125	1
4	MP2A	X	0	6
5	MP2A	Z	153.189	6
6	MP2A	Mx	-.125	6
7	MP2B	X	0	1
8	MP2B	Z	139.089	1
9	MP2B	Mx	.023	1
10	MP2B	X	0	6
11	MP2B	Z	139.089	6
12	MP2B	Mx	.023	6
13	MP2C	X	0	1
14	MP2C	Z	103.389	1
15	MP2C	Mx	.075	1
16	MP2C	X	0	6
17	MP2C	Z	103.389	6
18	MP2C	Mx	.075	6
19	MP2A	X	0	1
20	MP2A	Z	153.189	1
21	MP2A	Mx	.072	1
22	MP2A	X	0	6
23	MP2A	Z	153.189	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2A	Mx	.072	6
25	MP2B	X	0	1
26	MP2B	Z	139.089	1
27	MP2B	Mx	-.129	1
28	MP2B	X	0	6
29	MP2B	Z	139.089	6
30	MP2B	Mx	-.129	6
31	MP2C	X	0	1
32	MP2C	Z	103.389	1
33	MP2C	Mx	.063	1
34	MP2C	X	0	6
35	MP2C	Z	103.389	6
36	MP2C	Mx	.063	6
37	MP3A	X	0	2
38	MP3A	Z	77.595	2
39	MP3A	Mx	-.013	2
40	MP3A	X	0	5
41	MP3A	Z	77.595	5
42	MP3A	Mx	-.013	5
43	MP3B	X	0	2
44	MP3B	Z	64.698	2
45	MP3B	Mx	-.025	2
46	MP3B	X	0	5
47	MP3B	Z	64.698	5
48	MP3B	Mx	-.025	5
49	MP3C	X	0	2
50	MP3C	Z	32.043	2
51	MP3C	Mx	.021	2
52	MP3C	X	0	5
53	MP3C	Z	32.043	5
54	MP3C	Mx	.021	5
55	MP2A	X	0	2
56	MP2A	Z	12.401	2
57	MP2A	Mx	.002	2
58	MP2B	X	0	2
59	MP2B	Z	11.445	2
60	MP2B	Mx	.004	2
61	MP2C	X	0	2
62	MP2C	Z	8.842	2
63	MP2C	Mx	-.006	2
64	MP2A	X	0	3.5
65	MP2A	Z	62.94	3.5
66	MP2A	Mx	.011	3.5
67	MP2B	X	0	3.5
68	MP2B	Z	57.348	3.5
69	MP2B	Mx	.022	3.5
70	MP2C	X	0	3.5
71	MP2C	Z	43.19	3.5
72	MP2C	Mx	-.029	3.5
73	MP1A	X	0	3.5
74	MP1A	Z	62.392	3.5
75	MP1A	Mx	.011	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP1B	X	0	3.5
77	MP1B	Z	62.392	3.5
78	MP1B	Mx	.011	3.5
79	MP1C	X	0	3.5
80	MP1C	Z	62.392	3.5
81	MP1C	Mx	.011	3.5
82	MP1C	X	0	1
83	MP1C	Z	147.942	1
84	MP1C	Mx	.098	1
85	MP1C	X	0	5
86	MP1C	Z	147.942	5
87	MP1C	Mx	.098	5
88	MP4C	X	0	1
89	MP4C	Z	147.942	1
90	MP4C	Mx	.098	1
91	MP4C	X	0	5
92	MP4C	Z	147.942	5
93	MP4C	Mx	.098	5
94	MP1A	X	0	1
95	MP1A	Z	164.045	1
96	MP1A	Mx	-.028	1
97	MP1A	X	0	5
98	MP1A	Z	164.045	5
99	MP1A	Mx	-.028	5
100	MP1B	X	0	1
101	MP1B	Z	159.422	1
102	MP1B	Mx	-.061	1
103	MP1B	X	0	5
104	MP1B	Z	159.422	5
105	MP1B	Mx	-.061	5
106	MP4A	X	0	1
107	MP4A	Z	164.045	1
108	MP4A	Mx	-.028	1
109	MP4A	X	0	5
110	MP4A	Z	164.045	5
111	MP4A	Mx	-.028	5
112	MP4B	X	0	1
113	MP4B	Z	159.422	1
114	MP4B	Mx	-.061	1
115	MP4B	X	0	5
116	MP4B	Z	159.422	5
117	MP4B	Mx	-.061	5
118	M99	X	0	1
119	M99	Z	61.273	1
120	M99	Mx	.037	1
121	M98	X	0	1
122	M98	Z	61.273	1
123	M98	Mx	.037	1

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-76.594	1
2	MP2A	Z	132.665	1
3	MP2A	Mx	-.072	1
4	MP2A	X	-76.594	6
5	MP2A	Z	132.665	6
6	MP2A	Mx	-.072	6
7	MP2B	X	-56.296	1
8	MP2B	Z	97.507	1
9	MP2B	Mx	-.036	1
10	MP2B	X	-56.296	6
11	MP2B	Z	97.507	6
12	MP2B	Mx	-.036	6
13	MP2C	X	-60.342	1
14	MP2C	Z	104.516	1
15	MP2C	Mx	.112	1
16	MP2C	X	-60.342	6
17	MP2C	Z	104.516	6
18	MP2C	Mx	.112	6
19	MP2A	X	-76.594	1
20	MP2A	Z	132.665	1
21	MP2A	Mx	.125	1
22	MP2A	X	-76.594	6
23	MP2A	Z	132.665	6
24	MP2A	Mx	.125	6
25	MP2B	X	-56.296	1
26	MP2B	Z	97.507	1
27	MP2B	Mx	-.1	1
28	MP2B	X	-56.296	6
29	MP2B	Z	97.507	6
30	MP2B	Mx	-.1	6
31	MP2C	X	-60.342	1
32	MP2C	Z	104.516	1
33	MP2C	Mx	.02	1
34	MP2C	X	-60.342	6
35	MP2C	Z	104.516	6
36	MP2C	Mx	.02	6
37	MP3A	X	-38.798	2
38	MP3A	Z	67.199	2
39	MP3A	Mx	.013	2
40	MP3A	X	-38.798	5
41	MP3A	Z	67.199	5
42	MP3A	Mx	.013	5
43	MP3B	X	-20.23	2
44	MP3B	Z	35.04	2
45	MP3B	Mx	-.024	2
46	MP3B	X	-20.23	5
47	MP3B	Z	35.04	5
48	MP3B	Mx	-.024	5
49	MP3C	X	-23.932	2
50	MP3C	Z	41.451	2
51	MP3C	Mx	.026	2
52	MP3C	X	-23.932	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	41.451	5
54	MP3C	Mx	.026	5
55	MP2A	X	-6.269	2
56	MP2A	Z	10.858	2
57	MP2A	Mx	-.002	2
58	MP2B	X	-4.756	2
59	MP2B	Z	8.238	2
60	MP2B	Mx	.006	2
61	MP2C	X	-5.052	2
62	MP2C	Z	8.75	2
63	MP2C	Mx	-.006	2
64	MP2A	X	-31.47	3.5
65	MP2A	Z	54.508	3.5
66	MP2A	Mx	-.011	3.5
67	MP2B	X	-23.42	3.5
68	MP2B	Z	40.564	3.5
69	MP2B	Mx	.028	3.5
70	MP2C	X	-25.025	3.5
71	MP2C	Z	43.344	3.5
72	MP2C	Mx	-.027	3.5
73	MP1A	X	-31.196	3.5
74	MP1A	Z	54.033	3.5
75	MP1A	Mx	-.011	3.5
76	MP1B	X	-31.196	3.5
77	MP1B	Z	54.033	3.5
78	MP1B	Mx	-.011	3.5
79	MP1C	X	-31.196	3.5
80	MP1C	Z	54.033	3.5
81	MP1C	Mx	-.011	3.5
82	MP1C	X	-62.083	1
83	MP1C	Z	107.53	1
84	MP1C	Mx	.068	1
85	MP1C	X	-62.083	5
86	MP1C	Z	107.53	5
87	MP1C	Mx	.068	5
88	MP4C	X	-62.083	1
89	MP4C	Z	107.53	1
90	MP4C	Mx	.068	1
91	MP4C	X	-62.083	5
92	MP4C	Z	107.53	5
93	MP4C	Mx	.068	5
94	MP1A	X	-82.022	1
95	MP1A	Z	142.067	1
96	MP1A	Mx	.028	1
97	MP1A	X	-82.022	5
98	MP1A	Z	142.067	5
99	MP1A	Mx	.028	5
100	MP1B	X	-75.366	1
101	MP1B	Z	130.538	1
102	MP1B	Mx	-.091	1
103	MP1B	X	-75.366	5
104	MP1B	Z	130.538	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	MP1B	Mx	-.091	5
106	MP4A	X	-82.022	1
107	MP4A	Z	142.067	1
108	MP4A	Mx	.028	1
109	MP4A	X	-82.022	5
110	MP4A	Z	142.067	5
111	MP4A	Mx	.028	5
112	MP4B	X	-75.366	1
113	MP4B	Z	130.538	1
114	MP4B	Mx	-.091	1
115	MP4B	X	-75.366	5
116	MP4B	Z	130.538	5
117	MP4B	Mx	-.091	5
118	M99	X	-28.057	1
119	M99	Z	48.596	1
120	M99	Mx	.037	1
121	M98	X	-28.057	1
122	M98	Z	48.596	1
123	M98	Mx	.037	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-112.485	1
2	MP2A	Z	64.943	1
3	MP2A	Mx	0	1
4	MP2A	X	-112.485	6
5	MP2A	Z	64.943	6
6	MP2A	Mx	0	6
7	MP2B	X	-89.537	1
8	MP2B	Z	51.694	1
9	MP2B	Mx	-.075	1
10	MP2B	X	-89.537	6
11	MP2B	Z	51.694	6
12	MP2B	Mx	-.075	6
13	MP2C	X	-127.463	1
14	MP2C	Z	73.591	1
15	MP2C	Mx	.13	1
16	MP2C	X	-127.463	6
17	MP2C	Z	73.591	6
18	MP2C	Mx	.13	6
19	MP2A	X	-112.485	1
20	MP2A	Z	64.943	1
21	MP2A	Mx	.122	1
22	MP2A	X	-112.485	6
23	MP2A	Z	64.943	6
24	MP2A	Mx	.122	6
25	MP2B	X	-89.537	1
26	MP2B	Z	51.694	1
27	MP2B	Mx	-.063	1
28	MP2B	X	-89.537	6
29	MP2B	Z	51.694	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP2B	Mx	-.063	6
31	MP2C	X	-127.463	1
32	MP2C	Z	73.591	1
33	MP2C	Mx	-.047	1
34	MP2C	X	-127.463	6
35	MP2C	Z	73.591	6
36	MP2C	Mx	-.047	6
37	MP3A	X	-48.741	2
38	MP3A	Z	28.14	2
39	MP3A	Mx	.027	2
40	MP3A	X	-48.741	5
41	MP3A	Z	28.14	5
42	MP3A	Mx	.027	5
43	MP3B	X	-27.75	2
44	MP3B	Z	16.022	2
45	MP3B	Mx	-.021	2
46	MP3B	X	-27.75	5
47	MP3B	Z	16.022	5
48	MP3B	Mx	-.021	5
49	MP3C	X	-62.441	2
50	MP3C	Z	36.05	2
51	MP3C	Mx	.02	2
52	MP3C	X	-62.441	5
53	MP3C	Z	36.05	5
54	MP3C	Mx	.02	5
55	MP2A	X	-9.449	2
56	MP2A	Z	5.456	2
57	MP2A	Mx	-.005	2
58	MP2B	X	-7.657	2
59	MP2B	Z	4.421	2
60	MP2B	Mx	.006	2
61	MP2C	X	-10.423	2
62	MP2C	Z	6.018	2
63	MP2C	Mx	-.003	2
64	MP2A	X	-46.505	3.5
65	MP2A	Z	26.849	3.5
66	MP2A	Mx	-.025	3.5
67	MP2B	X	-37.404	3.5
68	MP2B	Z	21.595	3.5
69	MP2B	Mx	.029	3.5
70	MP2C	X	-52.445	3.5
71	MP2C	Z	30.279	3.5
72	MP2C	Mx	-.017	3.5
73	MP1A	X	-42.964	3.5
74	MP1A	Z	24.806	3.5
75	MP1A	Mx	-.023	3.5
76	MP1B	X	-42.964	3.5
77	MP1B	Z	24.806	3.5
78	MP1B	Mx	-.023	3.5
79	MP1C	X	-42.964	3.5
80	MP1C	Z	24.806	3.5
81	MP1C	Mx	-.023	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP1C	X	-75.983	1
83	MP1C	Z	43.869	1
84	MP1C	Mx	.025	1
85	MP1C	X	-75.983	5
86	MP1C	Z	43.869	5
87	MP1C	Mx	.025	5
88	MP4C	X	-75.983	1
89	MP4C	Z	43.869	1
90	MP4C	Mx	.025	1
91	MP4C	X	-75.983	5
92	MP4C	Z	43.869	5
93	MP4C	Mx	.025	5
94	MP1A	X	-135.45	1
95	MP1A	Z	78.202	1
96	MP1A	Mx	.074	1
97	MP1A	X	-135.45	5
98	MP1A	Z	78.202	5
99	MP1A	Mx	.074	5
100	MP1B	X	-127.925	1
101	MP1B	Z	73.858	1
102	MP1B	Mx	-.098	1
103	MP1B	X	-127.925	5
104	MP1B	Z	73.858	5
105	MP1B	Mx	-.098	5
106	MP4A	X	-135.45	1
107	MP4A	Z	78.202	1
108	MP4A	Mx	.074	1
109	MP4A	X	-135.45	5
110	MP4A	Z	78.202	5
111	MP4A	Mx	.074	5
112	MP4B	X	-127.925	1
113	MP4B	Z	73.858	1
114	MP4B	Mx	-.098	1
115	MP4B	X	-127.925	5
116	MP4B	Z	73.858	5
117	MP4B	Mx	-.098	5
118	M99	X	-56.994	1
119	M99	Z	32.905	1
120	M99	Mx	.036	1
121	M98	X	-56.994	1
122	M98	Z	32.905	1
123	M98	Mx	.036	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-106.585	1
2	MP2A	Z	0	1
3	MP2A	Mx	.05	1
4	MP2A	X	-106.585	6
5	MP2A	Z	0	6
6	MP2A	Mx	.05	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP2B	X	-120.684	1
8	MP2B	Z	0	1
9	MP2B	Mx	-.112	1
10	MP2B	X	-120.684	6
11	MP2B	Z	0	6
12	MP2B	Mx	-.112	6
13	MP2C	X	-156.385	1
14	MP2C	Z	0	1
15	MP2C	Mx	.095	1
16	MP2C	X	-156.385	6
17	MP2C	Z	0	6
18	MP2C	Mx	.095	6
19	MP2A	X	-106.585	1
20	MP2A	Z	0	1
21	MP2A	Mx	.087	1
22	MP2A	X	-106.585	6
23	MP2A	Z	0	6
24	MP2A	Mx	.087	6
25	MP2B	X	-120.684	1
26	MP2B	Z	0	1
27	MP2B	Mx	-.02	1
28	MP2B	X	-120.684	6
29	MP2B	Z	0	6
30	MP2B	Mx	-.02	6
31	MP2C	X	-156.385	1
32	MP2C	Z	0	1
33	MP2C	Mx	-.113	1
34	MP2C	X	-156.385	6
35	MP2C	Z	0	6
36	MP2C	Mx	-.113	6
37	MP3A	X	-34.967	2
38	MP3A	Z	0	2
39	MP3A	Mx	.023	2
40	MP3A	X	-34.967	5
41	MP3A	Z	0	5
42	MP3A	Mx	.023	5
43	MP3B	X	-47.863	2
44	MP3B	Z	0	2
45	MP3B	Mx	-.026	2
46	MP3B	X	-47.863	5
47	MP3B	Z	0	5
48	MP3B	Mx	-.026	5
49	MP3C	X	-80.518	2
50	MP3C	Z	0	2
51	MP3C	Mx	-.005	2
52	MP3C	X	-80.518	5
53	MP3C	Z	0	5
54	MP3C	Mx	-.005	5
55	MP2A	X	-9.148	2
56	MP2A	Z	0	2
57	MP2A	Mx	-.006	2
58	MP2B	X	-10.103	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP2B	Z	0	2
60	MP2B	Mx	.006	2
61	MP2C	X	-12.706	2
62	MP2C	Z	0	2
63	MP2C	Mx	.000738	2
64	MP2A	X	-44.457	3.5
65	MP2A	Z	0	3.5
66	MP2A	Mx	-.029	3.5
67	MP2B	X	-50.049	3.5
68	MP2B	Z	0	3.5
69	MP2B	Mx	.027	3.5
70	MP2C	X	-64.208	3.5
71	MP2C	Z	0	3.5
72	MP2C	Mx	.004	3.5
73	MP1A	X	-36.83	3.5
74	MP1A	Z	0	3.5
75	MP1A	Mx	-.024	3.5
76	MP1B	X	-36.83	3.5
77	MP1B	Z	0	3.5
78	MP1B	Mx	-.024	3.5
79	MP1C	X	-36.83	3.5
80	MP1C	Z	0	3.5
81	MP1C	Mx	-.024	3.5
82	MP1C	X	-75.086	1
83	MP1C	Z	0	1
84	MP1C	Mx	-.004	1
85	MP1C	X	-75.086	5
86	MP1C	Z	0	5
87	MP1C	Mx	-.004	5
88	MP4C	X	-75.086	1
89	MP4C	Z	0	1
90	MP4C	Mx	-.004	1
91	MP4C	X	-75.086	5
92	MP4C	Z	0	5
93	MP4C	Mx	-.004	5
94	MP1A	X	-148.763	1
95	MP1A	Z	0	1
96	MP1A	Mx	.096	1
97	MP1A	X	-148.763	5
98	MP1A	Z	0	5
99	MP1A	Mx	.096	5
100	MP1B	X	-153.386	1
101	MP1B	Z	0	1
102	MP1B	Mx	-.084	1
103	MP1B	X	-153.386	5
104	MP1B	Z	0	5
105	MP1B	Mx	-.084	5
106	MP4A	X	-148.763	1
107	MP4A	Z	0	1
108	MP4A	Mx	.096	1
109	MP4A	X	-148.763	5
110	MP4A	Z	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
111	MP4A	Mx	.096	5
112	MP4B	X	-153.386	1
113	MP4B	Z	0	1
114	MP4B	Mx	-.084	1
115	MP4B	X	-153.386	5
116	MP4B	Z	0	5
117	MP4B	Mx	-.084	5
118	M99	X	-80.667	1
119	M99	Z	0	1
120	M99	Mx	.023	1
121	M98	X	-80.667	1
122	M98	Z	0	1
123	M98	Mx	.023	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-92.305	1
2	MP2A	Z	-53.292	1
3	MP2A	Mx	.087	1
4	MP2A	X	-92.305	6
5	MP2A	Z	-53.292	6
6	MP2A	Mx	.087	6
7	MP2B	X	-127.463	1
8	MP2B	Z	-73.591	1
9	MP2B	Mx	-.13	1
10	MP2B	X	-127.463	6
11	MP2B	Z	-73.591	6
12	MP2B	Mx	-.13	6
13	MP2C	X	-120.455	1
14	MP2C	Z	-69.545	1
15	MP2C	Mx	.023	1
16	MP2C	X	-120.455	6
17	MP2C	Z	-69.545	6
18	MP2C	Mx	.023	6
19	MP2A	X	-92.305	1
20	MP2A	Z	-53.292	1
21	MP2A	Mx	.05	1
22	MP2A	X	-92.305	6
23	MP2A	Z	-53.292	6
24	MP2A	Mx	.05	6
25	MP2B	X	-127.463	1
26	MP2B	Z	-73.591	1
27	MP2B	Mx	.047	1
28	MP2B	X	-127.463	6
29	MP2B	Z	-73.591	6
30	MP2B	Mx	.047	6
31	MP2C	X	-120.455	1
32	MP2C	Z	-69.545	1
33	MP2C	Mx	-.129	1
34	MP2C	X	-120.455	6
35	MP2C	Z	-69.545	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mx	-.129	6
37	MP3A	X	-30.282	2
38	MP3A	Z	-17.483	2
39	MP3A	Mx	.023	2
40	MP3A	X	-30.282	5
41	MP3A	Z	-17.483	5
42	MP3A	Mx	.023	5
43	MP3B	X	-62.441	2
44	MP3B	Z	-36.05	2
45	MP3B	Mx	-.02	2
46	MP3B	X	-62.441	5
47	MP3B	Z	-36.05	5
48	MP3B	Mx	-.02	5
49	MP3C	X	-56.031	2
50	MP3C	Z	-32.349	2
51	MP3C	Mx	-.025	2
52	MP3C	X	-56.031	5
53	MP3C	Z	-32.349	5
54	MP3C	Mx	-.025	5
55	MP2A	X	-7.803	2
56	MP2A	Z	-4.505	2
57	MP2A	Mx	-.006	2
58	MP2B	X	-10.423	2
59	MP2B	Z	-6.018	2
60	MP2B	Mx	.003	2
61	MP2C	X	-9.912	2
62	MP2C	Z	-5.723	2
63	MP2C	Mx	.004	2
64	MP2A	X	-38.501	3.5
65	MP2A	Z	-22.229	3.5
66	MP2A	Mx	-.029	3.5
67	MP2B	X	-52.445	3.5
68	MP2B	Z	-30.279	3.5
69	MP2B	Mx	.017	3.5
70	MP2C	X	-49.665	3.5
71	MP2C	Z	-28.674	3.5
72	MP2C	Mx	.022	3.5
73	MP1A	X	-31.896	3.5
74	MP1A	Z	-18.415	3.5
75	MP1A	Mx	-.024	3.5
76	MP1B	X	-31.896	3.5
77	MP1B	Z	-18.415	3.5
78	MP1B	Mx	-.024	3.5
79	MP1C	X	-31.896	3.5
80	MP1C	Z	-18.415	3.5
81	MP1C	Mx	-.024	3.5
82	MP1C	X	-85.618	1
83	MP1C	Z	-49.431	1
84	MP1C	Mx	-.038	1
85	MP1C	X	-85.618	5
86	MP1C	Z	-49.431	5
87	MP1C	Mx	-.038	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP4C	X	-85.618	1
89	MP4C	Z	-49.431	1
90	MP4C	Mx	-.038	1
91	MP4C	X	-85.618	5
92	MP4C	Z	-49.431	5
93	MP4C	Mx	-.038	5
94	MP1A	X	-128.833	1
95	MP1A	Z	-74.382	1
96	MP1A	Mx	.096	1
97	MP1A	X	-128.833	5
98	MP1A	Z	-74.382	5
99	MP1A	Mx	.096	5
100	MP1B	X	-140.361	1
101	MP1B	Z	-81.038	1
102	MP1B	Mx	-.046	1
103	MP1B	X	-140.361	5
104	MP1B	Z	-81.038	5
105	MP1B	Mx	-.046	5
106	MP4A	X	-128.833	1
107	MP4A	Z	-74.382	1
108	MP4A	Mx	.096	1
109	MP4A	X	-128.833	5
110	MP4A	Z	-74.382	5
111	MP4A	Mx	.096	5
112	MP4B	X	-140.361	1
113	MP4B	Z	-81.038	1
114	MP4B	Mx	-.046	1
115	MP4B	X	-140.361	5
116	MP4B	Z	-81.038	5
117	MP4B	Mx	-.046	5
118	M99	X	-74.328	1
119	M99	Z	-42.913	1
120	M99	Mx	-.005	1
121	M98	X	-74.328	1
122	M98	Z	-42.913	1
123	M98	Mx	-.005	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-64.943	1
2	MP2A	Z	-112.485	1
3	MP2A	Mx	.122	1
4	MP2A	X	-64.943	6
5	MP2A	Z	-112.485	6
6	MP2A	Mx	.122	6
7	MP2B	X	-78.192	1
8	MP2B	Z	-135.433	1
9	MP2B	Mx	-.095	1
10	MP2B	X	-78.192	6
11	MP2B	Z	-135.433	6
12	MP2B	Mx	-.095	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP2C	X	-56.296	1
14	MP2C	Z	-97.507	1
15	MP2C	Mx	-.036	1
16	MP2C	X	-56.296	6
17	MP2C	Z	-97.507	6
18	MP2C	Mx	-.036	6
19	MP2A	X	-64.943	1
20	MP2A	Z	-112.485	1
21	MP2A	Mx	0	1
22	MP2A	X	-64.943	6
23	MP2A	Z	-112.485	6
24	MP2A	Mx	0	6
25	MP2B	X	-78.192	1
26	MP2B	Z	-135.433	1
27	MP2B	Mx	.113	1
28	MP2B	X	-78.192	6
29	MP2B	Z	-135.433	6
30	MP2B	Mx	.113	6
31	MP2C	X	-56.296	1
32	MP2C	Z	-97.507	1
33	MP2C	Mx	-.1	1
34	MP2C	X	-56.296	6
35	MP2C	Z	-97.507	6
36	MP2C	Mx	-.1	6
37	MP3A	X	-28.14	2
38	MP3A	Z	-48.741	2
39	MP3A	Mx	.027	2
40	MP3A	X	-28.14	5
41	MP3A	Z	-48.741	5
42	MP3A	Mx	.027	5
43	MP3B	X	-40.259	2
44	MP3B	Z	-69.731	2
45	MP3B	Mx	.005	2
46	MP3B	X	-40.259	5
47	MP3B	Z	-69.731	5
48	MP3B	Mx	.005	5
49	MP3C	X	-20.23	2
50	MP3C	Z	-35.04	2
51	MP3C	Mx	-.024	2
52	MP3C	X	-20.23	5
53	MP3C	Z	-35.04	5
54	MP3C	Mx	-.024	5
55	MP2A	X	-5.319	2
56	MP2A	Z	-9.212	2
57	MP2A	Mx	-.005	2
58	MP2B	X	-6.353	2
59	MP2B	Z	-11.004	2
60	MP2B	Mx	-.000738	2
61	MP2C	X	-4.756	2
62	MP2C	Z	-8.238	2
63	MP2C	Mx	.006	2
64	MP2A	X	-26.849	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP2A	Z	-46.505	3.5
66	MP2A	Mx	-.025	3.5
67	MP2B	X	-32.104	3.5
68	MP2B	Z	-55.605	3.5
69	MP2B	Mx	-.004	3.5
70	MP2C	X	-23.42	3.5
71	MP2C	Z	-40.564	3.5
72	MP2C	Mx	.028	3.5
73	MP1A	X	-24.806	3.5
74	MP1A	Z	-42.964	3.5
75	MP1A	Mx	-.023	3.5
76	MP1B	X	-24.806	3.5
77	MP1B	Z	-42.964	3.5
78	MP1B	Mx	-.023	3.5
79	MP1C	X	-24.806	3.5
80	MP1C	Z	-42.964	3.5
81	MP1C	Mx	-.023	3.5
82	MP1C	X	-67.645	1
83	MP1C	Z	-117.165	1
84	MP1C	Mx	-.082	1
85	MP1C	X	-67.645	5
86	MP1C	Z	-117.165	5
87	MP1C	Mx	-.082	5
88	MP4C	X	-67.645	1
89	MP4C	Z	-117.165	1
90	MP4C	Mx	-.082	1
91	MP4C	X	-67.645	5
92	MP4C	Z	-117.165	5
93	MP4C	Mx	-.082	5
94	MP1A	X	-78.202	1
95	MP1A	Z	-135.45	1
96	MP1A	Mx	.074	1
97	MP1A	X	-78.202	5
98	MP1A	Z	-135.45	5
99	MP1A	Mx	.074	5
100	MP1B	X	-82.546	1
101	MP1B	Z	-142.975	1
102	MP1B	Mx	.01	1
103	MP1B	X	-82.546	5
104	MP1B	Z	-142.975	5
105	MP1B	Mx	.01	5
106	MP4A	X	-78.202	1
107	MP4A	Z	-135.45	1
108	MP4A	Mx	.074	1
109	MP4A	X	-78.202	5
110	MP4A	Z	-135.45	5
111	MP4A	Mx	.074	5
112	MP4B	X	-82.546	1
113	MP4B	Z	-142.975	1
114	MP4B	Mx	.01	1
115	MP4B	X	-82.546	5
116	MP4B	Z	-142.975	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
117	MP4B	Mx	.01	5
118	M99	X	-38.065	1
119	M99	Z	-65.93	1
120	M99	Mx	-.029	1
121	M98	X	-38.065	1
122	M98	Z	-65.93	1
123	M98	Mx	-.029	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	-29.218	1
3	MP2A	Mx	.024	1
4	MP2A	X	0	6
5	MP2A	Z	-29.218	6
6	MP2A	Mx	.024	6
7	MP2B	X	0	1
8	MP2B	Z	-26.734	1
9	MP2B	Mx	-.004	1
10	MP2B	X	0	6
11	MP2B	Z	-26.734	6
12	MP2B	Mx	-.004	6
13	MP2C	X	0	1
14	MP2C	Z	-20.443	1
15	MP2C	Mx	-.015	1
16	MP2C	X	0	6
17	MP2C	Z	-20.443	6
18	MP2C	Mx	-.015	6
19	MP2A	X	0	1
20	MP2A	Z	-29.218	1
21	MP2A	Mx	-.014	1
22	MP2A	X	0	6
23	MP2A	Z	-29.218	6
24	MP2A	Mx	-.014	6
25	MP2B	X	0	1
26	MP2B	Z	-26.734	1
27	MP2B	Mx	.025	1
28	MP2B	X	0	6
29	MP2B	Z	-26.734	6
30	MP2B	Mx	.025	6
31	MP2C	X	0	1
32	MP2C	Z	-20.443	1
33	MP2C	Mx	-.012	1
34	MP2C	X	0	6
35	MP2C	Z	-20.443	6
36	MP2C	Mx	-.012	6
37	MP3A	X	0	2
38	MP3A	Z	-15.272	2
39	MP3A	Mx	.003	2
40	MP3A	X	0	5
41	MP3A	Z	-15.272	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
42	MP3A	Mx	.003	5
43	MP3B	X	0	2
44	MP3B	Z	-12.884	2
45	MP3B	Mx	.005	2
46	MP3B	X	0	5
47	MP3B	Z	-12.884	5
48	MP3B	Mx	.005	5
49	MP3C	X	0	2
50	MP3C	Z	-6.839	2
51	MP3C	Mx	-.005	2
52	MP3C	X	0	5
53	MP3C	Z	-6.839	5
54	MP3C	Mx	-.005	5
55	MP2A	X	0	2
56	MP2A	Z	-3.187	2
57	MP2A	Mx	-.000621	2
58	MP2B	X	0	2
59	MP2B	Z	-2.989	2
60	MP2B	Mx	-.001	2
61	MP2C	X	0	2
62	MP2C	Z	-2.451	2
63	MP2C	Mx	.002	2
64	MP2A	X	0	3.5
65	MP2A	Z	-13.119	3.5
66	MP2A	Mx	-.002	3.5
67	MP2B	X	0	3.5
68	MP2B	Z	-12.052	3.5
69	MP2B	Mx	-.005	3.5
70	MP2C	X	0	3.5
71	MP2C	Z	-9.35	3.5
72	MP2C	Mx	.006	3.5
73	MP1A	X	0	3.5
74	MP1A	Z	-13.015	3.5
75	MP1A	Mx	-.002	3.5
76	MP1B	X	0	3.5
77	MP1B	Z	-13.015	3.5
78	MP1B	Mx	-.002	3.5
79	MP1C	X	0	3.5
80	MP1C	Z	-13.015	3.5
81	MP1C	Mx	-.002	3.5
82	MP1C	X	0	1
83	MP1C	Z	-28.245	1
84	MP1C	Mx	-.019	1
85	MP1C	X	0	5
86	MP1C	Z	-28.245	5
87	MP1C	Mx	-.019	5
88	MP4C	X	0	1
89	MP4C	Z	-28.245	1
90	MP4C	Mx	-.019	1
91	MP4C	X	0	5
92	MP4C	Z	-28.245	5
93	MP4C	Mx	-.019	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP1A	X	0	1
95	MP1A	Z	-31.111	1
96	MP1A	Mx	.005	1
97	MP1A	X	0	5
98	MP1A	Z	-31.111	5
99	MP1A	Mx	.005	5
100	MP1B	X	0	1
101	MP1B	Z	-30.288	1
102	MP1B	Mx	.012	1
103	MP1B	X	0	5
104	MP1B	Z	-30.288	5
105	MP1B	Mx	.012	5
106	MP4A	X	0	1
107	MP4A	Z	-31.111	1
108	MP4A	Mx	.005	1
109	MP4A	X	0	5
110	MP4A	Z	-31.111	5
111	MP4A	Mx	.005	5
112	MP4B	X	0	1
113	MP4B	Z	-30.288	1
114	MP4B	Mx	.012	1
115	MP4B	X	0	5
116	MP4B	Z	-30.288	5
117	MP4B	Mx	.012	5
118	M99	X	0	1
119	M99	Z	-12.843	1
120	M99	Mx	-.008	1
121	M98	X	0	1
122	M98	Z	-12.843	1
123	M98	Mx	-.008	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	14.609	1
2	MP2A	Z	-25.304	1
3	MP2A	Mx	.014	1
4	MP2A	X	14.609	6
5	MP2A	Z	-25.304	6
6	MP2A	Mx	.014	6
7	MP2B	X	11.032	1
8	MP2B	Z	-19.109	1
9	MP2B	Mx	.007	1
10	MP2B	X	11.032	6
11	MP2B	Z	-19.109	6
12	MP2B	Mx	.007	6
13	MP2C	X	11.745	1
14	MP2C	Z	-20.344	1
15	MP2C	Mx	-.022	1
16	MP2C	X	11.745	6
17	MP2C	Z	-20.344	6
18	MP2C	Mx	-.022	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP2A	X	14.609	1
20	MP2A	Z	-25.304	1
21	MP2A	Mx	-.024	1
22	MP2A	X	14.609	6
23	MP2A	Z	-25.304	6
24	MP2A	Mx	-.024	6
25	MP2B	X	11.032	1
26	MP2B	Z	-19.109	1
27	MP2B	Mx	.02	1
28	MP2B	X	11.032	6
29	MP2B	Z	-19.109	6
30	MP2B	Mx	.02	6
31	MP2C	X	11.745	1
32	MP2C	Z	-20.344	1
33	MP2C	Mx	-.004	1
34	MP2C	X	11.745	6
35	MP2C	Z	-20.344	6
36	MP2C	Mx	-.004	6
37	MP3A	X	7.636	2
38	MP3A	Z	-13.226	2
39	MP3A	Mx	-.003	2
40	MP3A	X	7.636	5
41	MP3A	Z	-13.226	5
42	MP3A	Mx	-.003	5
43	MP3B	X	4.199	2
44	MP3B	Z	-7.273	2
45	MP3B	Mx	.005	2
46	MP3B	X	4.199	5
47	MP3B	Z	-7.273	5
48	MP3B	Mx	.005	5
49	MP3C	X	4.884	2
50	MP3C	Z	-8.459	2
51	MP3C	Mx	-.005	2
52	MP3C	X	4.884	5
53	MP3C	Z	-8.459	5
54	MP3C	Mx	-.005	5
55	MP2A	X	1.608	2
56	MP2A	Z	-2.785	2
57	MP2A	Mx	.000482	2
58	MP2B	X	1.295	2
59	MP2B	Z	-2.243	2
60	MP2B	Mx	-.002	2
61	MP2C	X	1.356	2
62	MP2C	Z	-2.349	2
63	MP2C	Mx	.001	2
64	MP2A	X	6.56	3.5
65	MP2A	Z	-11.362	3.5
66	MP2A	Mx	.002	3.5
67	MP2B	X	5.023	3.5
68	MP2B	Z	-8.7	3.5
69	MP2B	Mx	-.006	3.5
70	MP2C	X	5.329	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP2C	Z	-9.231	3.5
72	MP2C	Mx	.006	3.5
73	MP1A	X	6.508	3.5
74	MP1A	Z	-11.272	3.5
75	MP1A	Mx	.002	3.5
76	MP1B	X	6.508	3.5
77	MP1B	Z	-11.272	3.5
78	MP1B	Mx	.002	3.5
79	MP1C	X	6.508	3.5
80	MP1C	Z	-11.272	3.5
81	MP1C	Mx	.002	3.5
82	MP1C	X	12.011	1
83	MP1C	Z	-20.804	1
84	MP1C	Mx	-.013	1
85	MP1C	X	12.011	5
86	MP1C	Z	-20.804	5
87	MP1C	Mx	-.013	5
88	MP4C	X	12.011	1
89	MP4C	Z	-20.804	1
90	MP4C	Mx	-.013	1
91	MP4C	X	12.011	5
92	MP4C	Z	-20.804	5
93	MP4C	Mx	-.013	5
94	MP1A	X	15.556	1
95	MP1A	Z	-26.943	1
96	MP1A	Mx	-.005	1
97	MP1A	X	15.556	5
98	MP1A	Z	-26.943	5
99	MP1A	Mx	-.005	5
100	MP1B	X	14.37	1
101	MP1B	Z	-24.89	1
102	MP1B	Mx	.017	1
103	MP1B	X	14.37	5
104	MP1B	Z	-24.89	5
105	MP1B	Mx	.017	5
106	MP4A	X	15.556	1
107	MP4A	Z	-26.943	1
108	MP4A	Mx	-.005	1
109	MP4A	X	15.556	5
110	MP4A	Z	-26.943	5
111	MP4A	Mx	-.005	5
112	MP4B	X	14.37	1
113	MP4B	Z	-24.89	1
114	MP4B	Mx	.017	1
115	MP4B	X	14.37	5
116	MP4B	Z	-24.89	5
117	MP4B	Mx	.017	5
118	M99	X	5.942	1
119	M99	Z	-10.292	1
120	M99	Mx	-.008	1
121	M98	X	5.942	1
122	M98	Z	-10.292	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
123	M98	Mx	-.008	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	21.748	1
2	MP2A	Z	-12.556	1
3	MP2A	Mx	0	1
4	MP2A	X	21.748	6
5	MP2A	Z	-12.556	6
6	MP2A	Mx	0	6
7	MP2B	X	17.704	1
8	MP2B	Z	-10.222	1
9	MP2B	Mx	.015	1
10	MP2B	X	17.704	6
11	MP2B	Z	-10.222	6
12	MP2B	Mx	.015	6
13	MP2C	X	24.387	1
14	MP2C	Z	-14.08	1
15	MP2C	Mx	-.025	1
16	MP2C	X	24.387	6
17	MP2C	Z	-14.08	6
18	MP2C	Mx	-.025	6
19	MP2A	X	21.748	1
20	MP2A	Z	-12.556	1
21	MP2A	Mx	-.024	1
22	MP2A	X	21.748	6
23	MP2A	Z	-12.556	6
24	MP2A	Mx	-.024	6
25	MP2B	X	17.704	1
26	MP2B	Z	-10.222	1
27	MP2B	Mx	.012	1
28	MP2B	X	17.704	6
29	MP2B	Z	-10.222	6
30	MP2B	Mx	.012	6
31	MP2C	X	24.387	1
32	MP2C	Z	-14.08	1
33	MP2C	Mx	.009	1
34	MP2C	X	24.387	6
35	MP2C	Z	-14.08	6
36	MP2C	Mx	.009	6
37	MP3A	X	9.809	2
38	MP3A	Z	-5.663	2
39	MP3A	Mx	-.005	2
40	MP3A	X	9.809	5
41	MP3A	Z	-5.663	5
42	MP3A	Mx	-.005	5
43	MP3B	X	5.923	2
44	MP3B	Z	-3.42	2
45	MP3B	Mx	.005	2
46	MP3B	X	5.923	5
47	MP3B	Z	-3.42	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP3B	Mx	.005	5
49	MP3C	X	12.345	2
50	MP3C	Z	-7.127	2
51	MP3C	Mx	-.004	2
52	MP3C	X	12.345	5
53	MP3C	Z	-7.127	5
54	MP3C	Mx	-.004	5
55	MP2A	X	2.493	2
56	MP2A	Z	-1.439	2
57	MP2A	Mx	.001	2
58	MP2B	X	2.123	2
59	MP2B	Z	-1.226	2
60	MP2B	Mx	-.002	2
61	MP2C	X	2.695	2
62	MP2C	Z	-1.556	2
63	MP2C	Mx	.000877	2
64	MP2A	X	9.834	3.5
65	MP2A	Z	-5.678	3.5
66	MP2A	Mx	.005	3.5
67	MP2B	X	8.097	3.5
68	MP2B	Z	-4.675	3.5
69	MP2B	Mx	-.006	3.5
70	MP2C	X	10.968	3.5
71	MP2C	Z	-6.332	3.5
72	MP2C	Mx	.004	3.5
73	MP1A	X	9.164	3.5
74	MP1A	Z	-5.291	3.5
75	MP1A	Mx	.005	3.5
76	MP1B	X	9.164	3.5
77	MP1B	Z	-5.291	3.5
78	MP1B	Mx	.005	3.5
79	MP1C	X	9.164	3.5
80	MP1C	Z	-5.291	3.5
81	MP1C	Mx	.005	3.5
82	MP1C	X	15.201	1
83	MP1C	Z	-8.776	1
84	MP1C	Mx	-.005	1
85	MP1C	X	15.201	5
86	MP1C	Z	-8.776	5
87	MP1C	Mx	-.005	5
88	MP4C	X	15.201	1
89	MP4C	Z	-8.776	1
90	MP4C	Mx	-.005	1
91	MP4C	X	15.201	5
92	MP4C	Z	-8.776	5
93	MP4C	Mx	-.005	5
94	MP1A	X	25.765	1
95	MP1A	Z	-14.875	1
96	MP1A	Mx	-.014	1
97	MP1A	X	25.765	5
98	MP1A	Z	-14.875	5
99	MP1A	Mx	-.014	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
100	MP1B	X	24.425	1
101	MP1B	Z	-14.102	1
102	MP1B	Mx	.019	1
103	MP1B	X	24.425	5
104	MP1B	Z	-14.102	5
105	MP1B	Mx	.019	5
106	MP4A	X	25.765	1
107	MP4A	Z	-14.875	1
108	MP4A	Mx	-.014	1
109	MP4A	X	25.765	5
110	MP4A	Z	-14.875	5
111	MP4A	Mx	-.014	5
112	MP4B	X	24.425	1
113	MP4B	Z	-14.102	1
114	MP4B	Mx	.019	1
115	MP4B	X	24.425	5
116	MP4B	Z	-14.102	5
117	MP4B	Mx	.019	5
118	M99	X	11.852	1
119	M99	Z	-6.843	1
120	M99	Mx	-.007	1
121	M98	X	11.852	1
122	M98	Z	-6.843	1
123	M98	Mx	-.007	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	21.006	1
2	MP2A	Z	0	1
3	MP2A	Mx	-.01	1
4	MP2A	X	21.006	6
5	MP2A	Z	0	6
6	MP2A	Mx	-.01	6
7	MP2B	X	23.491	1
8	MP2B	Z	0	1
9	MP2B	Mx	.022	1
10	MP2B	X	23.491	6
11	MP2B	Z	0	6
12	MP2B	Mx	.022	6
13	MP2C	X	29.781	1
14	MP2C	Z	0	1
15	MP2C	Mx	-.018	1
16	MP2C	X	29.781	6
17	MP2C	Z	0	6
18	MP2C	Mx	-.018	6
19	MP2A	X	21.006	1
20	MP2A	Z	0	1
21	MP2A	Mx	-.017	1
22	MP2A	X	21.006	6
23	MP2A	Z	0	6
24	MP2A	Mx	-.017	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP2B	X	23.491	1
26	MP2B	Z	0	1
27	MP2B	Mx	.004	1
28	MP2B	X	23.491	6
29	MP2B	Z	0	6
30	MP2B	Mx	.004	6
31	MP2C	X	29.781	1
32	MP2C	Z	0	1
33	MP2C	Mx	.022	1
34	MP2C	X	29.781	6
35	MP2C	Z	0	6
36	MP2C	Mx	.022	6
37	MP3A	X	7.381	2
38	MP3A	Z	0	2
39	MP3A	Mx	-.005	2
40	MP3A	X	7.381	5
41	MP3A	Z	0	5
42	MP3A	Mx	-.005	5
43	MP3B	X	9.768	2
44	MP3B	Z	0	2
45	MP3B	Mx	.005	2
46	MP3B	X	9.768	5
47	MP3B	Z	0	5
48	MP3B	Mx	.005	5
49	MP3C	X	15.813	2
50	MP3C	Z	0	2
51	MP3C	Mx	.000919	2
52	MP3C	X	15.813	5
53	MP3C	Z	0	5
54	MP3C	Mx	.000919	5
55	MP2A	X	2.514	2
56	MP2A	Z	0	2
57	MP2A	Mx	.002	2
58	MP2B	X	2.712	2
59	MP2B	Z	0	2
60	MP2B	Mx	-.001	2
61	MP2C	X	3.25	2
62	MP2C	Z	0	2
63	MP2C	Mx	-.000189	2
64	MP2A	X	9.592	3.5
65	MP2A	Z	0	3.5
66	MP2A	Mx	.006	3.5
67	MP2B	X	10.659	3.5
68	MP2B	Z	0	3.5
69	MP2B	Mx	-.006	3.5
70	MP2C	X	13.361	3.5
71	MP2C	Z	0	3.5
72	MP2C	Mx	-.000776	3.5
73	MP1A	X	8.147	3.5
74	MP1A	Z	0	3.5
75	MP1A	Mx	.005	3.5
76	MP1B	X	8.147	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP1B	Z	0	3.5
78	MP1B	Mx	.005	3.5
79	MP1C	X	8.147	3.5
80	MP1C	Z	0	3.5
81	MP1C	Mx	.005	3.5
82	MP1C	X	15.305	1
83	MP1C	Z	0	1
84	MP1C	Mx	.000889	1
85	MP1C	X	15.305	5
86	MP1C	Z	0	5
87	MP1C	Mx	.000889	5
88	MP4C	X	15.305	1
89	MP4C	Z	0	1
90	MP4C	Mx	.000889	1
91	MP4C	X	15.305	5
92	MP4C	Z	0	5
93	MP4C	Mx	.000889	5
94	MP1A	X	28.39	1
95	MP1A	Z	0	1
96	MP1A	Mx	-.018	1
97	MP1A	X	28.39	5
98	MP1A	Z	0	5
99	MP1A	Mx	-.018	5
100	MP1B	X	29.213	1
101	MP1B	Z	0	1
102	MP1B	Mx	.016	1
103	MP1B	X	29.213	5
104	MP1B	Z	0	5
105	MP1B	Mx	.016	5
106	MP4A	X	28.39	1
107	MP4A	Z	0	1
108	MP4A	Mx	-.018	1
109	MP4A	X	28.39	5
110	MP4A	Z	0	5
111	MP4A	Mx	-.018	5
112	MP4B	X	29.213	1
113	MP4B	Z	0	1
114	MP4B	Mx	.016	1
115	MP4B	X	29.213	5
116	MP4B	Z	0	5
117	MP4B	Mx	.016	5
118	M99	X	16.444	1
119	M99	Z	0	1
120	M99	Mx	-.005	1
121	M98	X	16.444	1
122	M98	Z	0	1
123	M98	Mx	-.005	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	18.192	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP2A	Z	10.503	1
3	MP2A	Mx	-.017	1
4	MP2A	X	18.192	6
5	MP2A	Z	10.503	6
6	MP2A	Mx	-.017	6
7	MP2B	X	24.387	1
8	MP2B	Z	14.08	1
9	MP2B	Mx	.025	1
10	MP2B	X	24.387	6
11	MP2B	Z	14.08	6
12	MP2B	Mx	.025	6
13	MP2C	X	23.152	1
14	MP2C	Z	13.367	1
15	MP2C	Mx	-.004	1
16	MP2C	X	23.152	6
17	MP2C	Z	13.367	6
18	MP2C	Mx	-.004	6
19	MP2A	X	18.192	1
20	MP2A	Z	10.503	1
21	MP2A	Mx	-.01	1
22	MP2A	X	18.192	6
23	MP2A	Z	10.503	6
24	MP2A	Mx	-.01	6
25	MP2B	X	24.387	1
26	MP2B	Z	14.08	1
27	MP2B	Mx	-.009	1
28	MP2B	X	24.387	6
29	MP2B	Z	14.08	6
30	MP2B	Mx	-.009	6
31	MP2C	X	23.152	1
32	MP2C	Z	13.367	1
33	MP2C	Mx	.025	1
34	MP2C	X	23.152	6
35	MP2C	Z	13.367	6
36	MP2C	Mx	.025	6
37	MP3A	X	6.392	2
38	MP3A	Z	3.69	2
39	MP3A	Mx	-.005	2
40	MP3A	X	6.392	5
41	MP3A	Z	3.69	5
42	MP3A	Mx	-.005	5
43	MP3B	X	12.345	2
44	MP3B	Z	7.127	2
45	MP3B	Mx	.004	2
46	MP3B	X	12.345	5
47	MP3B	Z	7.127	5
48	MP3B	Mx	.004	5
49	MP3C	X	11.158	2
50	MP3C	Z	6.442	2
51	MP3C	Mx	.005	2
52	MP3C	X	11.158	5
53	MP3C	Z	6.442	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
54	MP3C	Mx	.005	5
55	MP2A	X	2.153	2
56	MP2A	Z	1.243	2
57	MP2A	Mx	.002	2
58	MP2B	X	2.695	2
59	MP2B	Z	1.556	2
60	MP2B	Mx	-.000877	2
61	MP2C	X	2.589	2
62	MP2C	Z	1.495	2
63	MP2C	Mx	-.001	2
64	MP2A	X	8.307	3.5
65	MP2A	Z	4.796	3.5
66	MP2A	Mx	.006	3.5
67	MP2B	X	10.968	3.5
68	MP2B	Z	6.332	3.5
69	MP2B	Mx	-.004	3.5
70	MP2C	X	10.437	3.5
71	MP2C	Z	6.026	3.5
72	MP2C	Mx	-.005	3.5
73	MP1A	X	7.056	3.5
74	MP1A	Z	4.074	3.5
75	MP1A	Mx	.005	3.5
76	MP1B	X	7.056	3.5
77	MP1B	Z	4.074	3.5
78	MP1B	Mx	.005	3.5
79	MP1C	X	7.056	3.5
80	MP1C	Z	4.074	3.5
81	MP1C	Mx	.005	3.5
82	MP1C	X	16.912	1
83	MP1C	Z	9.764	1
84	MP1C	Mx	.007	1
85	MP1C	X	16.912	5
86	MP1C	Z	9.764	5
87	MP1C	Mx	.007	5
88	MP4C	X	16.912	1
89	MP4C	Z	9.764	1
90	MP4C	Mx	.007	1
91	MP4C	X	16.912	5
92	MP4C	Z	9.764	5
93	MP4C	Mx	.007	5
94	MP1A	X	24.586	1
95	MP1A	Z	14.195	1
96	MP1A	Mx	-.018	1
97	MP1A	X	24.586	5
98	MP1A	Z	14.195	5
99	MP1A	Mx	-.018	5
100	MP1B	X	26.639	1
101	MP1B	Z	15.38	1
102	MP1B	Mx	.009	1
103	MP1B	X	26.639	5
104	MP1B	Z	15.38	5
105	MP1B	Mx	.009	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
106	MP4A	X	24.586	1
107	MP4A	Z	14.195	1
108	MP4A	Mx	-.018	1
109	MP4A	X	24.586	5
110	MP4A	Z	14.195	5
111	MP4A	Mx	-.018	5
112	MP4B	X	26.639	1
113	MP4B	Z	15.38	1
114	MP4B	Mx	.009	1
115	MP4B	X	26.639	5
116	MP4B	Z	15.38	5
117	MP4B	Mx	.009	5
118	M99	X	15.071	1
119	M99	Z	8.701	1
120	M99	Mx	.001	1
121	M98	X	15.071	1
122	M98	Z	8.701	1
123	M98	Mx	.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	12.556	1
2	MP2A	Z	21.748	1
3	MP2A	Mx	-.024	1
4	MP2A	X	12.556	6
5	MP2A	Z	21.748	6
6	MP2A	Mx	-.024	6
7	MP2B	X	14.891	1
8	MP2B	Z	25.791	1
9	MP2B	Mx	.018	1
10	MP2B	X	14.891	6
11	MP2B	Z	25.791	6
12	MP2B	Mx	.018	6
13	MP2C	X	11.032	1
14	MP2C	Z	19.109	1
15	MP2C	Mx	.007	1
16	MP2C	X	11.032	6
17	MP2C	Z	19.109	6
18	MP2C	Mx	.007	6
19	MP2A	X	12.556	1
20	MP2A	Z	21.748	1
21	MP2A	Mx	0	1
22	MP2A	X	12.556	6
23	MP2A	Z	21.748	6
24	MP2A	Mx	0	6
25	MP2B	X	14.891	1
26	MP2B	Z	25.791	1
27	MP2B	Mx	-.022	1
28	MP2B	X	14.891	6
29	MP2B	Z	25.791	6
30	MP2B	Mx	-.022	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP2C	X	11.032	1
32	MP2C	Z	19.109	1
33	MP2C	Mx	.02	1
34	MP2C	X	11.032	6
35	MP2C	Z	19.109	6
36	MP2C	Mx	.02	6
37	MP3A	X	5.663	2
38	MP3A	Z	9.809	2
39	MP3A	Mx	-.005	2
40	MP3A	X	5.663	5
41	MP3A	Z	9.809	5
42	MP3A	Mx	-.005	5
43	MP3B	X	7.906	2
44	MP3B	Z	13.694	2
45	MP3B	Mx	-.000919	2
46	MP3B	X	7.906	5
47	MP3B	Z	13.694	5
48	MP3B	Mx	-.000919	5
49	MP3C	X	4.199	2
50	MP3C	Z	7.273	2
51	MP3C	Mx	.005	2
52	MP3C	X	4.199	5
53	MP3C	Z	7.273	5
54	MP3C	Mx	.005	5
55	MP2A	X	1.411	2
56	MP2A	Z	2.444	2
57	MP2A	Mx	.001	2
58	MP2B	X	1.625	2
59	MP2B	Z	2.815	2
60	MP2B	Mx	.000189	2
61	MP2C	X	1.295	2
62	MP2C	Z	2.243	2
63	MP2C	Mx	-.002	2
64	MP2A	X	5.678	3.5
65	MP2A	Z	9.834	3.5
66	MP2A	Mx	.005	3.5
67	MP2B	X	6.681	3.5
68	MP2B	Z	11.571	3.5
69	MP2B	Mx	.000776	3.5
70	MP2C	X	5.023	3.5
71	MP2C	Z	8.7	3.5
72	MP2C	Mx	-.006	3.5
73	MP1A	X	5.291	3.5
74	MP1A	Z	9.164	3.5
75	MP1A	Mx	.005	3.5
76	MP1B	X	5.291	3.5
77	MP1B	Z	9.164	3.5
78	MP1B	Mx	.005	3.5
79	MP1C	X	5.291	3.5
80	MP1C	Z	9.164	3.5
81	MP1C	Mx	.005	3.5
82	MP1C	X	12.999	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP1C	Z	22.515	1
84	MP1C	Mx	.016	1
85	MP1C	X	12.999	5
86	MP1C	Z	22.515	5
87	MP1C	Mx	.016	5
88	MP4C	X	12.999	1
89	MP4C	Z	22.515	1
90	MP4C	Mx	.016	1
91	MP4C	X	12.999	5
92	MP4C	Z	22.515	5
93	MP4C	Mx	.016	5
94	MP1A	X	14.875	1
95	MP1A	Z	25.765	1
96	MP1A	Mx	-.014	1
97	MP1A	X	14.875	5
98	MP1A	Z	25.765	5
99	MP1A	Mx	-.014	5
100	MP1B	X	15.649	1
101	MP1B	Z	27.105	1
102	MP1B	Mx	-.002	1
103	MP1B	X	15.649	5
104	MP1B	Z	27.105	5
105	MP1B	Mx	-.002	5
106	MP4A	X	14.875	1
107	MP4A	Z	25.765	1
108	MP4A	Mx	-.014	1
109	MP4A	X	14.875	5
110	MP4A	Z	25.765	5
111	MP4A	Mx	-.014	5
112	MP4B	X	15.649	1
113	MP4B	Z	27.105	1
114	MP4B	Mx	-.002	1
115	MP4B	X	15.649	5
116	MP4B	Z	27.105	5
117	MP4B	Mx	-.002	5
118	M99	X	7.801	1
119	M99	Z	13.512	1
120	M99	Mx	.006	1
121	M98	X	7.801	1
122	M98	Z	13.512	1
123	M98	Mx	.006	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	29.218	1
3	MP2A	Mx	-.024	1
4	MP2A	X	0	6
5	MP2A	Z	29.218	6
6	MP2A	Mx	-.024	6
7	MP2B	X	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP2B	Z	26.734	1
9	MP2B	Mx	.004	1
10	MP2B	X	0	6
11	MP2B	Z	26.734	6
12	MP2B	Mx	.004	6
13	MP2C	X	0	1
14	MP2C	Z	20.443	1
15	MP2C	Mx	.015	1
16	MP2C	X	0	6
17	MP2C	Z	20.443	6
18	MP2C	Mx	.015	6
19	MP2A	X	0	1
20	MP2A	Z	29.218	1
21	MP2A	Mx	.014	1
22	MP2A	X	0	6
23	MP2A	Z	29.218	6
24	MP2A	Mx	.014	6
25	MP2B	X	0	1
26	MP2B	Z	26.734	1
27	MP2B	Mx	-.025	1
28	MP2B	X	0	6
29	MP2B	Z	26.734	6
30	MP2B	Mx	-.025	6
31	MP2C	X	0	1
32	MP2C	Z	20.443	1
33	MP2C	Mx	.012	1
34	MP2C	X	0	6
35	MP2C	Z	20.443	6
36	MP2C	Mx	.012	6
37	MP3A	X	0	2
38	MP3A	Z	15.272	2
39	MP3A	Mx	-.003	2
40	MP3A	X	0	5
41	MP3A	Z	15.272	5
42	MP3A	Mx	-.003	5
43	MP3B	X	0	2
44	MP3B	Z	12.884	2
45	MP3B	Mx	-.005	2
46	MP3B	X	0	5
47	MP3B	Z	12.884	5
48	MP3B	Mx	-.005	5
49	MP3C	X	0	2
50	MP3C	Z	6.839	2
51	MP3C	Mx	.005	2
52	MP3C	X	0	5
53	MP3C	Z	6.839	5
54	MP3C	Mx	.005	5
55	MP2A	X	0	2
56	MP2A	Z	3.187	2
57	MP2A	Mx	.000621	2
58	MP2B	X	0	2
59	MP2B	Z	2.989	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP2B	Mx	.001	2
61	MP2C	X	0	2
62	MP2C	Z	2.451	2
63	MP2C	Mx	-.002	2
64	MP2A	X	0	3.5
65	MP2A	Z	13.119	3.5
66	MP2A	Mx	.002	3.5
67	MP2B	X	0	3.5
68	MP2B	Z	12.052	3.5
69	MP2B	Mx	.005	3.5
70	MP2C	X	0	3.5
71	MP2C	Z	9.35	3.5
72	MP2C	Mx	-.006	3.5
73	MP1A	X	0	3.5
74	MP1A	Z	13.015	3.5
75	MP1A	Mx	.002	3.5
76	MP1B	X	0	3.5
77	MP1B	Z	13.015	3.5
78	MP1B	Mx	.002	3.5
79	MP1C	X	0	3.5
80	MP1C	Z	13.015	3.5
81	MP1C	Mx	.002	3.5
82	MP1C	X	0	1
83	MP1C	Z	28.245	1
84	MP1C	Mx	.019	1
85	MP1C	X	0	5
86	MP1C	Z	28.245	5
87	MP1C	Mx	.019	5
88	MP4C	X	0	1
89	MP4C	Z	28.245	1
90	MP4C	Mx	.019	1
91	MP4C	X	0	5
92	MP4C	Z	28.245	5
93	MP4C	Mx	.019	5
94	MP1A	X	0	1
95	MP1A	Z	31.111	1
96	MP1A	Mx	-.005	1
97	MP1A	X	0	5
98	MP1A	Z	31.111	5
99	MP1A	Mx	-.005	5
100	MP1B	X	0	1
101	MP1B	Z	30.288	1
102	MP1B	Mx	-.012	1
103	MP1B	X	0	5
104	MP1B	Z	30.288	5
105	MP1B	Mx	-.012	5
106	MP4A	X	0	1
107	MP4A	Z	31.111	1
108	MP4A	Mx	-.005	1
109	MP4A	X	0	5
110	MP4A	Z	31.111	5
111	MP4A	Mx	-.005	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
112	MP4B	X	0	1
113	MP4B	Z	30.288	1
114	MP4B	Mx	-.012	1
115	MP4B	X	0	5
116	MP4B	Z	30.288	5
117	MP4B	Mx	-.012	5
118	M99	X	0	1
119	M99	Z	12.843	1
120	M99	Mx	.008	1
121	M98	X	0	1
122	M98	Z	12.843	1
123	M98	Mx	.008	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-14.609	1
2	MP2A	Z	25.304	1
3	MP2A	Mx	-.014	1
4	MP2A	X	-14.609	6
5	MP2A	Z	25.304	6
6	MP2A	Mx	-.014	6
7	MP2B	X	-11.032	1
8	MP2B	Z	19.109	1
9	MP2B	Mx	-.007	1
10	MP2B	X	-11.032	6
11	MP2B	Z	19.109	6
12	MP2B	Mx	-.007	6
13	MP2C	X	-11.745	1
14	MP2C	Z	20.344	1
15	MP2C	Mx	.022	1
16	MP2C	X	-11.745	6
17	MP2C	Z	20.344	6
18	MP2C	Mx	.022	6
19	MP2A	X	-14.609	1
20	MP2A	Z	25.304	1
21	MP2A	Mx	.024	1
22	MP2A	X	-14.609	6
23	MP2A	Z	25.304	6
24	MP2A	Mx	.024	6
25	MP2B	X	-11.032	1
26	MP2B	Z	19.109	1
27	MP2B	Mx	-.02	1
28	MP2B	X	-11.032	6
29	MP2B	Z	19.109	6
30	MP2B	Mx	-.02	6
31	MP2C	X	-11.745	1
32	MP2C	Z	20.344	1
33	MP2C	Mx	.004	1
34	MP2C	X	-11.745	6
35	MP2C	Z	20.344	6
36	MP2C	Mx	.004	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP3A	X	-7.636	2
38	MP3A	Z	13.226	2
39	MP3A	Mx	.003	2
40	MP3A	X	-7.636	5
41	MP3A	Z	13.226	5
42	MP3A	Mx	.003	5
43	MP3B	X	-4.199	2
44	MP3B	Z	7.273	2
45	MP3B	Mx	-.005	2
46	MP3B	X	-4.199	5
47	MP3B	Z	7.273	5
48	MP3B	Mx	-.005	5
49	MP3C	X	-4.884	2
50	MP3C	Z	8.459	2
51	MP3C	Mx	.005	2
52	MP3C	X	-4.884	5
53	MP3C	Z	8.459	5
54	MP3C	Mx	.005	5
55	MP2A	X	-1.608	2
56	MP2A	Z	2.785	2
57	MP2A	Mx	-.000482	2
58	MP2B	X	-1.295	2
59	MP2B	Z	2.243	2
60	MP2B	Mx	.002	2
61	MP2C	X	-1.356	2
62	MP2C	Z	2.349	2
63	MP2C	Mx	-.001	2
64	MP2A	X	-6.56	3.5
65	MP2A	Z	11.362	3.5
66	MP2A	Mx	-.002	3.5
67	MP2B	X	-5.023	3.5
68	MP2B	Z	8.7	3.5
69	MP2B	Mx	.006	3.5
70	MP2C	X	-5.329	3.5
71	MP2C	Z	9.231	3.5
72	MP2C	Mx	-.006	3.5
73	MP1A	X	-6.508	3.5
74	MP1A	Z	11.272	3.5
75	MP1A	Mx	-.002	3.5
76	MP1B	X	-6.508	3.5
77	MP1B	Z	11.272	3.5
78	MP1B	Mx	-.002	3.5
79	MP1C	X	-6.508	3.5
80	MP1C	Z	11.272	3.5
81	MP1C	Mx	-.002	3.5
82	MP1C	X	-12.011	1
83	MP1C	Z	20.804	1
84	MP1C	Mx	.013	1
85	MP1C	X	-12.011	5
86	MP1C	Z	20.804	5
87	MP1C	Mx	.013	5
88	MP4C	X	-12.011	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP4C	Z	20.804	1
90	MP4C	Mx	.013	1
91	MP4C	X	-12.011	5
92	MP4C	Z	20.804	5
93	MP4C	Mx	.013	5
94	MP1A	X	-15.556	1
95	MP1A	Z	26.943	1
96	MP1A	Mx	.005	1
97	MP1A	X	-15.556	5
98	MP1A	Z	26.943	5
99	MP1A	Mx	.005	5
100	MP1B	X	-14.37	1
101	MP1B	Z	24.89	1
102	MP1B	Mx	-.017	1
103	MP1B	X	-14.37	5
104	MP1B	Z	24.89	5
105	MP1B	Mx	-.017	5
106	MP4A	X	-15.556	1
107	MP4A	Z	26.943	1
108	MP4A	Mx	.005	1
109	MP4A	X	-15.556	5
110	MP4A	Z	26.943	5
111	MP4A	Mx	.005	5
112	MP4B	X	-14.37	1
113	MP4B	Z	24.89	1
114	MP4B	Mx	-.017	1
115	MP4B	X	-14.37	5
116	MP4B	Z	24.89	5
117	MP4B	Mx	-.017	5
118	M99	X	-5.942	1
119	M99	Z	10.292	1
120	M99	Mx	.008	1
121	M98	X	-5.942	1
122	M98	Z	10.292	1
123	M98	Mx	.008	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-21.748	1
2	MP2A	Z	12.556	1
3	MP2A	Mx	0	1
4	MP2A	X	-21.748	6
5	MP2A	Z	12.556	6
6	MP2A	Mx	0	6
7	MP2B	X	-17.704	1
8	MP2B	Z	10.222	1
9	MP2B	Mx	-.015	1
10	MP2B	X	-17.704	6
11	MP2B	Z	10.222	6
12	MP2B	Mx	-.015	6
13	MP2C	X	-24.387	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP2C	Z	14.08	1
15	MP2C	Mx	.025	1
16	MP2C	X	-24.387	6
17	MP2C	Z	14.08	6
18	MP2C	Mx	.025	6
19	MP2A	X	-21.748	1
20	MP2A	Z	12.556	1
21	MP2A	Mx	.024	1
22	MP2A	X	-21.748	6
23	MP2A	Z	12.556	6
24	MP2A	Mx	.024	6
25	MP2B	X	-17.704	1
26	MP2B	Z	10.222	1
27	MP2B	Mx	-.012	1
28	MP2B	X	-17.704	6
29	MP2B	Z	10.222	6
30	MP2B	Mx	-.012	6
31	MP2C	X	-24.387	1
32	MP2C	Z	14.08	1
33	MP2C	Mx	-.009	1
34	MP2C	X	-24.387	6
35	MP2C	Z	14.08	6
36	MP2C	Mx	-.009	6
37	MP3A	X	-9.809	2
38	MP3A	Z	5.663	2
39	MP3A	Mx	.005	2
40	MP3A	X	-9.809	5
41	MP3A	Z	5.663	5
42	MP3A	Mx	.005	5
43	MP3B	X	-5.923	2
44	MP3B	Z	3.42	2
45	MP3B	Mx	-.005	2
46	MP3B	X	-5.923	5
47	MP3B	Z	3.42	5
48	MP3B	Mx	-.005	5
49	MP3C	X	-12.345	2
50	MP3C	Z	7.127	2
51	MP3C	Mx	.004	2
52	MP3C	X	-12.345	5
53	MP3C	Z	7.127	5
54	MP3C	Mx	.004	5
55	MP2A	X	-2.493	2
56	MP2A	Z	1.439	2
57	MP2A	Mx	-.001	2
58	MP2B	X	-2.123	2
59	MP2B	Z	1.226	2
60	MP2B	Mx	.002	2
61	MP2C	X	-2.695	2
62	MP2C	Z	1.556	2
63	MP2C	Mx	-.000877	2
64	MP2A	X	-9.834	3.5
65	MP2A	Z	5.678	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP2A	Mx	-.005	3.5
67	MP2B	X	-8.097	3.5
68	MP2B	Z	4.675	3.5
69	MP2B	Mx	.006	3.5
70	MP2C	X	-10.968	3.5
71	MP2C	Z	6.332	3.5
72	MP2C	Mx	-.004	3.5
73	MP1A	X	-9.164	3.5
74	MP1A	Z	5.291	3.5
75	MP1A	Mx	-.005	3.5
76	MP1B	X	-9.164	3.5
77	MP1B	Z	5.291	3.5
78	MP1B	Mx	-.005	3.5
79	MP1C	X	-9.164	3.5
80	MP1C	Z	5.291	3.5
81	MP1C	Mx	-.005	3.5
82	MP1C	X	-15.201	1
83	MP1C	Z	8.776	1
84	MP1C	Mx	.005	1
85	MP1C	X	-15.201	5
86	MP1C	Z	8.776	5
87	MP1C	Mx	.005	5
88	MP4C	X	-15.201	1
89	MP4C	Z	8.776	1
90	MP4C	Mx	.005	1
91	MP4C	X	-15.201	5
92	MP4C	Z	8.776	5
93	MP4C	Mx	.005	5
94	MP1A	X	-25.765	1
95	MP1A	Z	14.875	1
96	MP1A	Mx	.014	1
97	MP1A	X	-25.765	5
98	MP1A	Z	14.875	5
99	MP1A	Mx	.014	5
100	MP1B	X	-24.425	1
101	MP1B	Z	14.102	1
102	MP1B	Mx	-.019	1
103	MP1B	X	-24.425	5
104	MP1B	Z	14.102	5
105	MP1B	Mx	-.019	5
106	MP4A	X	-25.765	1
107	MP4A	Z	14.875	1
108	MP4A	Mx	.014	1
109	MP4A	X	-25.765	5
110	MP4A	Z	14.875	5
111	MP4A	Mx	.014	5
112	MP4B	X	-24.425	1
113	MP4B	Z	14.102	1
114	MP4B	Mx	-.019	1
115	MP4B	X	-24.425	5
116	MP4B	Z	14.102	5
117	MP4B	Mx	-.019	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
118	M99	X	-11.852	1
119	M99	Z	6.843	1
120	M99	Mx	.007	1
121	M98	X	-11.852	1
122	M98	Z	6.843	1
123	M98	Mx	.007	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-21.006	1
2	MP2A	Z	0	1
3	MP2A	Mx	.01	1
4	MP2A	X	-21.006	6
5	MP2A	Z	0	6
6	MP2A	Mx	.01	6
7	MP2B	X	-23.491	1
8	MP2B	Z	0	1
9	MP2B	Mx	-.022	1
10	MP2B	X	-23.491	6
11	MP2B	Z	0	6
12	MP2B	Mx	-.022	6
13	MP2C	X	-29.781	1
14	MP2C	Z	0	1
15	MP2C	Mx	.018	1
16	MP2C	X	-29.781	6
17	MP2C	Z	0	6
18	MP2C	Mx	.018	6
19	MP2A	X	-21.006	1
20	MP2A	Z	0	1
21	MP2A	Mx	.017	1
22	MP2A	X	-21.006	6
23	MP2A	Z	0	6
24	MP2A	Mx	.017	6
25	MP2B	X	-23.491	1
26	MP2B	Z	0	1
27	MP2B	Mx	-.004	1
28	MP2B	X	-23.491	6
29	MP2B	Z	0	6
30	MP2B	Mx	-.004	6
31	MP2C	X	-29.781	1
32	MP2C	Z	0	1
33	MP2C	Mx	-.022	1
34	MP2C	X	-29.781	6
35	MP2C	Z	0	6
36	MP2C	Mx	-.022	6
37	MP3A	X	-7.381	2
38	MP3A	Z	0	2
39	MP3A	Mx	.005	2
40	MP3A	X	-7.381	5
41	MP3A	Z	0	5
42	MP3A	Mx	.005	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP3B	X	-9.768	2
44	MP3B	Z	0	2
45	MP3B	Mx	-.005	2
46	MP3B	X	-9.768	5
47	MP3B	Z	0	5
48	MP3B	Mx	-.005	5
49	MP3C	X	-15.813	2
50	MP3C	Z	0	2
51	MP3C	Mx	-.000919	2
52	MP3C	X	-15.813	5
53	MP3C	Z	0	5
54	MP3C	Mx	-.000919	5
55	MP2A	X	-2.514	2
56	MP2A	Z	0	2
57	MP2A	Mx	-.002	2
58	MP2B	X	-2.712	2
59	MP2B	Z	0	2
60	MP2B	Mx	.001	2
61	MP2C	X	-3.25	2
62	MP2C	Z	0	2
63	MP2C	Mx	.000189	2
64	MP2A	X	-9.592	3.5
65	MP2A	Z	0	3.5
66	MP2A	Mx	-.006	3.5
67	MP2B	X	-10.659	3.5
68	MP2B	Z	0	3.5
69	MP2B	Mx	.006	3.5
70	MP2C	X	-13.361	3.5
71	MP2C	Z	0	3.5
72	MP2C	Mx	.000776	3.5
73	MP1A	X	-8.147	3.5
74	MP1A	Z	0	3.5
75	MP1A	Mx	-.005	3.5
76	MP1B	X	-8.147	3.5
77	MP1B	Z	0	3.5
78	MP1B	Mx	-.005	3.5
79	MP1C	X	-8.147	3.5
80	MP1C	Z	0	3.5
81	MP1C	Mx	-.005	3.5
82	MP1C	X	-15.305	1
83	MP1C	Z	0	1
84	MP1C	Mx	-.000889	1
85	MP1C	X	-15.305	5
86	MP1C	Z	0	5
87	MP1C	Mx	-.000889	5
88	MP4C	X	-15.305	1
89	MP4C	Z	0	1
90	MP4C	Mx	-.000889	1
91	MP4C	X	-15.305	5
92	MP4C	Z	0	5
93	MP4C	Mx	-.000889	5
94	MP1A	X	-28.39	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP1A	Z	0	1
96	MP1A	Mx	.018	1
97	MP1A	X	-28.39	5
98	MP1A	Z	0	5
99	MP1A	Mx	.018	5
100	MP1B	X	-29.213	1
101	MP1B	Z	0	1
102	MP1B	Mx	-.016	1
103	MP1B	X	-29.213	5
104	MP1B	Z	0	5
105	MP1B	Mx	-.016	5
106	MP4A	X	-28.39	1
107	MP4A	Z	0	1
108	MP4A	Mx	.018	1
109	MP4A	X	-28.39	5
110	MP4A	Z	0	5
111	MP4A	Mx	.018	5
112	MP4B	X	-29.213	1
113	MP4B	Z	0	1
114	MP4B	Mx	-.016	1
115	MP4B	X	-29.213	5
116	MP4B	Z	0	5
117	MP4B	Mx	-.016	5
118	M99	X	-16.444	1
119	M99	Z	0	1
120	M99	Mx	.005	1
121	M98	X	-16.444	1
122	M98	Z	0	1
123	M98	Mx	.005	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-18.192	1
2	MP2A	Z	-10.503	1
3	MP2A	Mx	.017	1
4	MP2A	X	-18.192	6
5	MP2A	Z	-10.503	6
6	MP2A	Mx	.017	6
7	MP2B	X	-24.387	1
8	MP2B	Z	-14.08	1
9	MP2B	Mx	-.025	1
10	MP2B	X	-24.387	6
11	MP2B	Z	-14.08	6
12	MP2B	Mx	-.025	6
13	MP2C	X	-23.152	1
14	MP2C	Z	-13.367	1
15	MP2C	Mx	.004	1
16	MP2C	X	-23.152	6
17	MP2C	Z	-13.367	6
18	MP2C	Mx	.004	6
19	MP2A	X	-18.192	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP2A	Z	-10.503	1
21	MP2A	Mx	.01	1
22	MP2A	X	-18.192	6
23	MP2A	Z	-10.503	6
24	MP2A	Mx	.01	6
25	MP2B	X	-24.387	1
26	MP2B	Z	-14.08	1
27	MP2B	Mx	.009	1
28	MP2B	X	-24.387	6
29	MP2B	Z	-14.08	6
30	MP2B	Mx	.009	6
31	MP2C	X	-23.152	1
32	MP2C	Z	-13.367	1
33	MP2C	Mx	-.025	1
34	MP2C	X	-23.152	6
35	MP2C	Z	-13.367	6
36	MP2C	Mx	-.025	6
37	MP3A	X	-6.392	2
38	MP3A	Z	-3.69	2
39	MP3A	Mx	.005	2
40	MP3A	X	-6.392	5
41	MP3A	Z	-3.69	5
42	MP3A	Mx	.005	5
43	MP3B	X	-12.345	2
44	MP3B	Z	-7.127	2
45	MP3B	Mx	-.004	2
46	MP3B	X	-12.345	5
47	MP3B	Z	-7.127	5
48	MP3B	Mx	-.004	5
49	MP3C	X	-11.158	2
50	MP3C	Z	-6.442	2
51	MP3C	Mx	-.005	2
52	MP3C	X	-11.158	5
53	MP3C	Z	-6.442	5
54	MP3C	Mx	-.005	5
55	MP2A	X	-2.153	2
56	MP2A	Z	-1.243	2
57	MP2A	Mx	-.002	2
58	MP2B	X	-2.695	2
59	MP2B	Z	-1.556	2
60	MP2B	Mx	.000877	2
61	MP2C	X	-2.589	2
62	MP2C	Z	-1.495	2
63	MP2C	Mx	.001	2
64	MP2A	X	-8.307	3.5
65	MP2A	Z	-4.796	3.5
66	MP2A	Mx	-.006	3.5
67	MP2B	X	-10.968	3.5
68	MP2B	Z	-6.332	3.5
69	MP2B	Mx	.004	3.5
70	MP2C	X	-10.437	3.5
71	MP2C	Z	-6.026	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP2C	Mx	.005	3.5
73	MP1A	X	-7.056	3.5
74	MP1A	Z	-4.074	3.5
75	MP1A	Mx	-.005	3.5
76	MP1B	X	-7.056	3.5
77	MP1B	Z	-4.074	3.5
78	MP1B	Mx	-.005	3.5
79	MP1C	X	-7.056	3.5
80	MP1C	Z	-4.074	3.5
81	MP1C	Mx	-.005	3.5
82	MP1C	X	-16.912	1
83	MP1C	Z	-9.764	1
84	MP1C	Mx	-.007	1
85	MP1C	X	-16.912	5
86	MP1C	Z	-9.764	5
87	MP1C	Mx	-.007	5
88	MP4C	X	-16.912	1
89	MP4C	Z	-9.764	1
90	MP4C	Mx	-.007	1
91	MP4C	X	-16.912	5
92	MP4C	Z	-9.764	5
93	MP4C	Mx	-.007	5
94	MP1A	X	-24.586	1
95	MP1A	Z	-14.195	1
96	MP1A	Mx	.018	1
97	MP1A	X	-24.586	5
98	MP1A	Z	-14.195	5
99	MP1A	Mx	.018	5
100	MP1B	X	-26.639	1
101	MP1B	Z	-15.38	1
102	MP1B	Mx	-.009	1
103	MP1B	X	-26.639	5
104	MP1B	Z	-15.38	5
105	MP1B	Mx	-.009	5
106	MP4A	X	-24.586	1
107	MP4A	Z	-14.195	1
108	MP4A	Mx	.018	1
109	MP4A	X	-24.586	5
110	MP4A	Z	-14.195	5
111	MP4A	Mx	.018	5
112	MP4B	X	-26.639	1
113	MP4B	Z	-15.38	1
114	MP4B	Mx	-.009	1
115	MP4B	X	-26.639	5
116	MP4B	Z	-15.38	5
117	MP4B	Mx	-.009	5
118	M99	X	-15.071	1
119	M99	Z	-8.701	1
120	M99	Mx	-.001	1
121	M98	X	-15.071	1
122	M98	Z	-8.701	1
123	M98	Mx	-.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-12.556	1
2	MP2A	Z	-21.748	1
3	MP2A	Mx	.024	1
4	MP2A	X	-12.556	6
5	MP2A	Z	-21.748	6
6	MP2A	Mx	.024	6
7	MP2B	X	-14.891	1
8	MP2B	Z	-25.791	1
9	MP2B	Mx	-.018	1
10	MP2B	X	-14.891	6
11	MP2B	Z	-25.791	6
12	MP2B	Mx	-.018	6
13	MP2C	X	-11.032	1
14	MP2C	Z	-19.109	1
15	MP2C	Mx	-.007	1
16	MP2C	X	-11.032	6
17	MP2C	Z	-19.109	6
18	MP2C	Mx	-.007	6
19	MP2A	X	-12.556	1
20	MP2A	Z	-21.748	1
21	MP2A	Mx	0	1
22	MP2A	X	-12.556	6
23	MP2A	Z	-21.748	6
24	MP2A	Mx	0	6
25	MP2B	X	-14.891	1
26	MP2B	Z	-25.791	1
27	MP2B	Mx	.022	1
28	MP2B	X	-14.891	6
29	MP2B	Z	-25.791	6
30	MP2B	Mx	.022	6
31	MP2C	X	-11.032	1
32	MP2C	Z	-19.109	1
33	MP2C	Mx	-.02	1
34	MP2C	X	-11.032	6
35	MP2C	Z	-19.109	6
36	MP2C	Mx	-.02	6
37	MP3A	X	-5.663	2
38	MP3A	Z	-9.809	2
39	MP3A	Mx	.005	2
40	MP3A	X	-5.663	5
41	MP3A	Z	-9.809	5
42	MP3A	Mx	.005	5
43	MP3B	X	-7.906	2
44	MP3B	Z	-13.694	2
45	MP3B	Mx	.000919	2
46	MP3B	X	-7.906	5
47	MP3B	Z	-13.694	5
48	MP3B	Mx	.000919	5
49	MP3C	X	-4.199	2
50	MP3C	Z	-7.273	2
51	MP3C	Mx	-.005	2
52	MP3C	X	-4.199	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	-7.273	5
54	MP3C	Mx	-.005	5
55	MP2A	X	-1.411	2
56	MP2A	Z	-2.444	2
57	MP2A	Mx	-.001	2
58	MP2B	X	-1.625	2
59	MP2B	Z	-2.815	2
60	MP2B	Mx	-.000189	2
61	MP2C	X	-1.295	2
62	MP2C	Z	-2.243	2
63	MP2C	Mx	.002	2
64	MP2A	X	-5.678	3.5
65	MP2A	Z	-9.834	3.5
66	MP2A	Mx	-.005	3.5
67	MP2B	X	-6.681	3.5
68	MP2B	Z	-11.571	3.5
69	MP2B	Mx	-.000776	3.5
70	MP2C	X	-5.023	3.5
71	MP2C	Z	-8.7	3.5
72	MP2C	Mx	.006	3.5
73	MP1A	X	-5.291	3.5
74	MP1A	Z	-9.164	3.5
75	MP1A	Mx	-.005	3.5
76	MP1B	X	-5.291	3.5
77	MP1B	Z	-9.164	3.5
78	MP1B	Mx	-.005	3.5
79	MP1C	X	-5.291	3.5
80	MP1C	Z	-9.164	3.5
81	MP1C	Mx	-.005	3.5
82	MP1C	X	-12.999	1
83	MP1C	Z	-22.515	1
84	MP1C	Mx	-.016	1
85	MP1C	X	-12.999	5
86	MP1C	Z	-22.515	5
87	MP1C	Mx	-.016	5
88	MP4C	X	-12.999	1
89	MP4C	Z	-22.515	1
90	MP4C	Mx	-.016	1
91	MP4C	X	-12.999	5
92	MP4C	Z	-22.515	5
93	MP4C	Mx	-.016	5
94	MP1A	X	-14.875	1
95	MP1A	Z	-25.765	1
96	MP1A	Mx	.014	1
97	MP1A	X	-14.875	5
98	MP1A	Z	-25.765	5
99	MP1A	Mx	.014	5
100	MP1B	X	-15.649	1
101	MP1B	Z	-27.105	1
102	MP1B	Mx	.002	1
103	MP1B	X	-15.649	5
104	MP1B	Z	-27.105	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	MP1B	Mx	.002	5
106	MP4A	X	-14.875	1
107	MP4A	Z	-25.765	1
108	MP4A	Mx	.014	1
109	MP4A	X	-14.875	5
110	MP4A	Z	-25.765	5
111	MP4A	Mx	.014	5
112	MP4B	X	-15.649	1
113	MP4B	Z	-27.105	1
114	MP4B	Mx	.002	1
115	MP4B	X	-15.649	5
116	MP4B	Z	-27.105	5
117	MP4B	Mx	.002	5
118	M99	X	-7.801	1
119	M99	Z	-13.512	1
120	M99	Mx	-.006	1
121	M98	X	-7.801	1
122	M98	Z	-13.512	1
123	M98	Mx	-.006	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	-9.574	1
3	MP2A	Mx	.008	1
4	MP2A	X	0	6
5	MP2A	Z	-9.574	6
6	MP2A	Mx	.008	6
7	MP2B	X	0	1
8	MP2B	Z	-8.693	1
9	MP2B	Mx	-.001	1
10	MP2B	X	0	6
11	MP2B	Z	-8.693	6
12	MP2B	Mx	-.001	6
13	MP2C	X	0	1
14	MP2C	Z	-6.462	1
15	MP2C	Mx	-.005	1
16	MP2C	X	0	6
17	MP2C	Z	-6.462	6
18	MP2C	Mx	-.005	6
19	MP2A	X	0	1
20	MP2A	Z	-9.574	1
21	MP2A	Mx	-.005	1
22	MP2A	X	0	6
23	MP2A	Z	-9.574	6
24	MP2A	Mx	-.005	6
25	MP2B	X	0	1
26	MP2B	Z	-8.693	1
27	MP2B	Mx	.008	1
28	MP2B	X	0	6
29	MP2B	Z	-8.693	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP2B	Mx	.008	6
31	MP2C	X	0	1
32	MP2C	Z	-6.462	1
33	MP2C	Mx	-.004	1
34	MP2C	X	0	6
35	MP2C	Z	-6.462	6
36	MP2C	Mx	-.004	6
37	MP3A	X	0	2
38	MP3A	Z	-4.85	2
39	MP3A	Mx	.000837	2
40	MP3A	X	0	5
41	MP3A	Z	-4.85	5
42	MP3A	Mx	.000837	5
43	MP3B	X	0	2
44	MP3B	Z	-4.044	2
45	MP3B	Mx	.002	2
46	MP3B	X	0	5
47	MP3B	Z	-4.044	5
48	MP3B	Mx	.002	5
49	MP3C	X	0	2
50	MP3C	Z	-2.003	2
51	MP3C	Mx	-.001	2
52	MP3C	X	0	5
53	MP3C	Z	-2.003	5
54	MP3C	Mx	-.001	5
55	MP2A	X	0	2
56	MP2A	Z	-.775	2
57	MP2A	Mx	-.000151	2
58	MP2B	X	0	2
59	MP2B	Z	-.715	2
60	MP2B	Mx	-.000273	2
61	MP2C	X	0	2
62	MP2C	Z	-.553	2
63	MP2C	Mx	.000367	2
64	MP2A	X	0	3.5
65	MP2A	Z	-3.934	3.5
66	MP2A	Mx	-.000679	3.5
67	MP2B	X	0	3.5
68	MP2B	Z	-3.584	3.5
69	MP2B	Mx	-.001	3.5
70	MP2C	X	0	3.5
71	MP2C	Z	-2.699	3.5
72	MP2C	Mx	.002	3.5
73	MP1A	X	0	3.5
74	MP1A	Z	-3.9	3.5
75	MP1A	Mx	-.000673	3.5
76	MP1B	X	0	3.5
77	MP1B	Z	-3.9	3.5
78	MP1B	Mx	-.000673	3.5
79	MP1C	X	0	3.5
80	MP1C	Z	-3.9	3.5
81	MP1C	Mx	-.000673	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP1C	X	0	1
83	MP1C	Z	-9.246	1
84	MP1C	Mx	-.006	1
85	MP1C	X	0	5
86	MP1C	Z	-9.246	5
87	MP1C	Mx	-.006	5
88	MP4C	X	0	1
89	MP4C	Z	-9.246	1
90	MP4C	Mx	-.006	1
91	MP4C	X	0	5
92	MP4C	Z	-9.246	5
93	MP4C	Mx	-.006	5
94	MP1A	X	0	1
95	MP1A	Z	-10.253	1
96	MP1A	Mx	.002	1
97	MP1A	X	0	5
98	MP1A	Z	-10.253	5
99	MP1A	Mx	.002	5
100	MP1B	X	0	1
101	MP1B	Z	-9.964	1
102	MP1B	Mx	.004	1
103	MP1B	X	0	5
104	MP1B	Z	-9.964	5
105	MP1B	Mx	.004	5
106	MP4A	X	0	1
107	MP4A	Z	-10.253	1
108	MP4A	Mx	.002	1
109	MP4A	X	0	5
110	MP4A	Z	-10.253	5
111	MP4A	Mx	.002	5
112	MP4B	X	0	1
113	MP4B	Z	-9.964	1
114	MP4B	Mx	.004	1
115	MP4B	X	0	5
116	MP4B	Z	-9.964	5
117	MP4B	Mx	.004	5
118	M99	X	0	1
119	M99	Z	-3.83	1
120	M99	Mx	-.002	1
121	M98	X	0	1
122	M98	Z	-3.83	1
123	M98	Mx	-.002	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	4.787	1
2	MP2A	Z	-8.292	1
3	MP2A	Mx	.005	1
4	MP2A	X	4.787	6
5	MP2A	Z	-8.292	6
6	MP2A	Mx	.005	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP2B	X	3.518	1
8	MP2B	Z	-6.094	1
9	MP2B	Mx	.002	1
10	MP2B	X	3.518	6
11	MP2B	Z	-6.094	6
12	MP2B	Mx	.002	6
13	MP2C	X	3.771	1
14	MP2C	Z	-6.532	1
15	MP2C	Mx	-.007	1
16	MP2C	X	3.771	6
17	MP2C	Z	-6.532	6
18	MP2C	Mx	-.007	6
19	MP2A	X	4.787	1
20	MP2A	Z	-8.292	1
21	MP2A	Mx	-.008	1
22	MP2A	X	4.787	6
23	MP2A	Z	-8.292	6
24	MP2A	Mx	-.008	6
25	MP2B	X	3.518	1
26	MP2B	Z	-6.094	1
27	MP2B	Mx	.006	1
28	MP2B	X	3.518	6
29	MP2B	Z	-6.094	6
30	MP2B	Mx	.006	6
31	MP2C	X	3.771	1
32	MP2C	Z	-6.532	1
33	MP2C	Mx	-.001	1
34	MP2C	X	3.771	6
35	MP2C	Z	-6.532	6
36	MP2C	Mx	-.001	6
37	MP3A	X	2.425	2
38	MP3A	Z	-4.2	2
39	MP3A	Mx	-.000837	2
40	MP3A	X	2.425	5
41	MP3A	Z	-4.2	5
42	MP3A	Mx	-.000837	5
43	MP3B	X	1.264	2
44	MP3B	Z	-2.19	2
45	MP3B	Mx	.002	2
46	MP3B	X	1.264	5
47	MP3B	Z	-2.19	5
48	MP3B	Mx	.002	5
49	MP3C	X	1.496	2
50	MP3C	Z	-2.591	2
51	MP3C	Mx	-.002	2
52	MP3C	X	1.496	5
53	MP3C	Z	-2.591	5
54	MP3C	Mx	-.002	5
55	MP2A	X	.392	2
56	MP2A	Z	-.679	2
57	MP2A	Mx	.000118	2
58	MP2B	X	.297	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP2B	Z	-.515	2
60	MP2B	Mx	-.000359	2
61	MP2C	X	.316	2
62	MP2C	Z	-.547	2
63	MP2C	Mx	.000345	2
64	MP2A	X	1.967	3.5
65	MP2A	Z	-3.407	3.5
66	MP2A	Mx	.000679	3.5
67	MP2B	X	1.464	3.5
68	MP2B	Z	-2.535	3.5
69	MP2B	Mx	-.002	3.5
70	MP2C	X	1.564	3.5
71	MP2C	Z	-2.709	3.5
72	MP2C	Mx	.002	3.5
73	MP1A	X	1.95	3.5
74	MP1A	Z	-3.377	3.5
75	MP1A	Mx	.000673	3.5
76	MP1B	X	1.95	3.5
77	MP1B	Z	-3.377	3.5
78	MP1B	Mx	.000673	3.5
79	MP1C	X	1.95	3.5
80	MP1C	Z	-3.377	3.5
81	MP1C	Mx	.000673	3.5
82	MP1C	X	3.88	1
83	MP1C	Z	-6.721	1
84	MP1C	Mx	-.004	1
85	MP1C	X	3.88	5
86	MP1C	Z	-6.721	5
87	MP1C	Mx	-.004	5
88	MP4C	X	3.88	1
89	MP4C	Z	-6.721	1
90	MP4C	Mx	-.004	1
91	MP4C	X	3.88	5
92	MP4C	Z	-6.721	5
93	MP4C	Mx	-.004	5
94	MP1A	X	5.126	1
95	MP1A	Z	-8.879	1
96	MP1A	Mx	-.002	1
97	MP1A	X	5.126	5
98	MP1A	Z	-8.879	5
99	MP1A	Mx	-.002	5
100	MP1B	X	4.71	1
101	MP1B	Z	-8.159	1
102	MP1B	Mx	.006	1
103	MP1B	X	4.71	5
104	MP1B	Z	-8.159	5
105	MP1B	Mx	.006	5
106	MP4A	X	5.126	1
107	MP4A	Z	-8.879	1
108	MP4A	Mx	-.002	1
109	MP4A	X	5.126	5
110	MP4A	Z	-8.879	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
111	MP4A	Mx	-.002	5
112	MP4B	X	4.71	1
113	MP4B	Z	-8.159	1
114	MP4B	Mx	.006	1
115	MP4B	X	4.71	5
116	MP4B	Z	-8.159	5
117	MP4B	Mx	.006	5
118	M99	X	1.754	1
119	M99	Z	-3.037	1
120	M99	Mx	-.002	1
121	M98	X	1.754	1
122	M98	Z	-3.037	1
123	M98	Mx	-.002	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	7.03	1
2	MP2A	Z	-4.059	1
3	MP2A	Mx	0	1
4	MP2A	X	7.03	6
5	MP2A	Z	-4.059	6
6	MP2A	Mx	0	6
7	MP2B	X	5.596	1
8	MP2B	Z	-3.231	1
9	MP2B	Mx	.005	1
10	MP2B	X	5.596	6
11	MP2B	Z	-3.231	6
12	MP2B	Mx	.005	6
13	MP2C	X	7.966	1
14	MP2C	Z	-4.599	1
15	MP2C	Mx	-.008	1
16	MP2C	X	7.966	6
17	MP2C	Z	-4.599	6
18	MP2C	Mx	-.008	6
19	MP2A	X	7.03	1
20	MP2A	Z	-4.059	1
21	MP2A	Mx	-.008	1
22	MP2A	X	7.03	6
23	MP2A	Z	-4.059	6
24	MP2A	Mx	-.008	6
25	MP2B	X	5.596	1
26	MP2B	Z	-3.231	1
27	MP2B	Mx	.004	1
28	MP2B	X	5.596	6
29	MP2B	Z	-3.231	6
30	MP2B	Mx	.004	6
31	MP2C	X	7.966	1
32	MP2C	Z	-4.599	1
33	MP2C	Mx	.003	1
34	MP2C	X	7.966	6
35	MP2C	Z	-4.599	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mx	.003	6
37	MP3A	X	3.046	2
38	MP3A	Z	-1.759	2
39	MP3A	Mx	-.002	2
40	MP3A	X	3.046	5
41	MP3A	Z	-1.759	5
42	MP3A	Mx	-.002	5
43	MP3B	X	1.734	2
44	MP3B	Z	-1.001	2
45	MP3B	Mx	.001	2
46	MP3B	X	1.734	5
47	MP3B	Z	-1.001	5
48	MP3B	Mx	.001	5
49	MP3C	X	3.903	2
50	MP3C	Z	-2.253	2
51	MP3C	Mx	-.001	2
52	MP3C	X	3.903	5
53	MP3C	Z	-2.253	5
54	MP3C	Mx	-.001	5
55	MP2A	X	.591	2
56	MP2A	Z	-.341	2
57	MP2A	Mx	.00031	2
58	MP2B	X	.479	2
59	MP2B	Z	-.276	2
60	MP2B	Mx	-.000367	2
61	MP2C	X	.651	2
62	MP2C	Z	-.376	2
63	MP2C	Mx	.000212	2
64	MP2A	X	2.907	3.5
65	MP2A	Z	-1.678	3.5
66	MP2A	Mx	.002	3.5
67	MP2B	X	2.338	3.5
68	MP2B	Z	-1.35	3.5
69	MP2B	Mx	-.002	3.5
70	MP2C	X	3.278	3.5
71	MP2C	Z	-1.892	3.5
72	MP2C	Mx	.001	3.5
73	MP1A	X	2.685	3.5
74	MP1A	Z	-1.55	3.5
75	MP1A	Mx	.001	3.5
76	MP1B	X	2.685	3.5
77	MP1B	Z	-1.55	3.5
78	MP1B	Mx	.001	3.5
79	MP1C	X	2.685	3.5
80	MP1C	Z	-1.55	3.5
81	MP1C	Mx	.001	3.5
82	MP1C	X	4.749	1
83	MP1C	Z	-2.742	1
84	MP1C	Mx	-.002	1
85	MP1C	X	4.749	5
86	MP1C	Z	-2.742	5
87	MP1C	Mx	-.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP4C	X	4.749	1
89	MP4C	Z	-2.742	1
90	MP4C	Mx	-.002	1
91	MP4C	X	4.749	5
92	MP4C	Z	-2.742	5
93	MP4C	Mx	-.002	5
94	MP1A	X	8.466	1
95	MP1A	Z	-4.888	1
96	MP1A	Mx	-.005	1
97	MP1A	X	8.466	5
98	MP1A	Z	-4.888	5
99	MP1A	Mx	-.005	5
100	MP1B	X	7.995	1
101	MP1B	Z	-4.616	1
102	MP1B	Mx	.006	1
103	MP1B	X	7.995	5
104	MP1B	Z	-4.616	5
105	MP1B	Mx	.006	5
106	MP4A	X	8.466	1
107	MP4A	Z	-4.888	1
108	MP4A	Mx	-.005	1
109	MP4A	X	8.466	5
110	MP4A	Z	-4.888	5
111	MP4A	Mx	-.005	5
112	MP4B	X	7.995	1
113	MP4B	Z	-4.616	1
114	MP4B	Mx	.006	1
115	MP4B	X	7.995	5
116	MP4B	Z	-4.616	5
117	MP4B	Mx	.006	5
118	M99	X	3.562	1
119	M99	Z	-2.057	1
120	M99	Mx	-.002	1
121	M98	X	3.562	1
122	M98	Z	-2.057	1
123	M98	Mx	-.002	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	6.662	1
2	MP2A	Z	0	1
3	MP2A	Mx	-.003	1
4	MP2A	X	6.662	6
5	MP2A	Z	0	6
6	MP2A	Mx	-.003	6
7	MP2B	X	7.543	1
8	MP2B	Z	0	1
9	MP2B	Mx	.007	1
10	MP2B	X	7.543	6
11	MP2B	Z	0	6
12	MP2B	Mx	.007	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP2C	X	9.774	1
14	MP2C	Z	0	1
15	MP2C	Mx	-.006	1
16	MP2C	X	9.774	6
17	MP2C	Z	0	6
18	MP2C	Mx	-.006	6
19	MP2A	X	6.662	1
20	MP2A	Z	0	1
21	MP2A	Mx	-.005	1
22	MP2A	X	6.662	6
23	MP2A	Z	0	6
24	MP2A	Mx	-.005	6
25	MP2B	X	7.543	1
26	MP2B	Z	0	1
27	MP2B	Mx	.001	1
28	MP2B	X	7.543	6
29	MP2B	Z	0	6
30	MP2B	Mx	.001	6
31	MP2C	X	9.774	1
32	MP2C	Z	0	1
33	MP2C	Mx	.007	1
34	MP2C	X	9.774	6
35	MP2C	Z	0	6
36	MP2C	Mx	.007	6
37	MP3A	X	2.185	2
38	MP3A	Z	0	2
39	MP3A	Mx	-.001	2
40	MP3A	X	2.185	5
41	MP3A	Z	0	5
42	MP3A	Mx	-.001	5
43	MP3B	X	2.991	2
44	MP3B	Z	0	2
45	MP3B	Mx	.002	2
46	MP3B	X	2.991	5
47	MP3B	Z	0	5
48	MP3B	Mx	.002	5
49	MP3C	X	5.032	2
50	MP3C	Z	0	2
51	MP3C	Mx	.000292	2
52	MP3C	X	5.032	5
53	MP3C	Z	0	5
54	MP3C	Mx	.000292	5
55	MP2A	X	.572	2
56	MP2A	Z	0	2
57	MP2A	Mx	.000365	2
58	MP2B	X	.631	2
59	MP2B	Z	0	2
60	MP2B	Mx	-.000345	2
61	MP2C	X	.794	2
62	MP2C	Z	0	2
63	MP2C	Mx	-4.6e-5	2
64	MP2A	X	2.779	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP2A	Z	0	3.5
66	MP2A	Mx	.002	3.5
67	MP2B	X	3.128	3.5
68	MP2B	Z	0	3.5
69	MP2B	Mx	-.002	3.5
70	MP2C	X	4.013	3.5
71	MP2C	Z	0	3.5
72	MP2C	Mx	-.000233	3.5
73	MP1A	X	2.302	3.5
74	MP1A	Z	0	3.5
75	MP1A	Mx	.001	3.5
76	MP1B	X	2.302	3.5
77	MP1B	Z	0	3.5
78	MP1B	Mx	.001	3.5
79	MP1C	X	2.302	3.5
80	MP1C	Z	0	3.5
81	MP1C	Mx	.001	3.5
82	MP1C	X	4.693	1
83	MP1C	Z	0	1
84	MP1C	Mx	.000273	1
85	MP1C	X	4.693	5
86	MP1C	Z	0	5
87	MP1C	Mx	.000273	5
88	MP4C	X	4.693	1
89	MP4C	Z	0	1
90	MP4C	Mx	.000273	1
91	MP4C	X	4.693	5
92	MP4C	Z	0	5
93	MP4C	Mx	.000273	5
94	MP1A	X	9.298	1
95	MP1A	Z	0	1
96	MP1A	Mx	-.006	1
97	MP1A	X	9.298	5
98	MP1A	Z	0	5
99	MP1A	Mx	-.006	5
100	MP1B	X	9.587	1
101	MP1B	Z	0	1
102	MP1B	Mx	.005	1
103	MP1B	X	9.587	5
104	MP1B	Z	0	5
105	MP1B	Mx	.005	5
106	MP4A	X	9.298	1
107	MP4A	Z	0	1
108	MP4A	Mx	-.006	1
109	MP4A	X	9.298	5
110	MP4A	Z	0	5
111	MP4A	Mx	-.006	5
112	MP4B	X	9.587	1
113	MP4B	Z	0	1
114	MP4B	Mx	.005	1
115	MP4B	X	9.587	5
116	MP4B	Z	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
117	MP4B	Mx	.005	5
118	M99	X	5.042	1
119	M99	Z	0	1
120	M99	Mx	-.001	1
121	M98	X	5.042	1
122	M98	Z	0	1
123	M98	Mx	-.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	5.769	1
2	MP2A	Z	3.331	1
3	MP2A	Mx	-.005	1
4	MP2A	X	5.769	6
5	MP2A	Z	3.331	6
6	MP2A	Mx	-.005	6
7	MP2B	X	7.966	1
8	MP2B	Z	4.599	1
9	MP2B	Mx	.008	1
10	MP2B	X	7.966	6
11	MP2B	Z	4.599	6
12	MP2B	Mx	.008	6
13	MP2C	X	7.528	1
14	MP2C	Z	4.347	1
15	MP2C	Mx	-.001	1
16	MP2C	X	7.528	6
17	MP2C	Z	4.347	6
18	MP2C	Mx	-.001	6
19	MP2A	X	5.769	1
20	MP2A	Z	3.331	1
21	MP2A	Mx	-.003	1
22	MP2A	X	5.769	6
23	MP2A	Z	3.331	6
24	MP2A	Mx	-.003	6
25	MP2B	X	7.966	1
26	MP2B	Z	4.599	1
27	MP2B	Mx	-.003	1
28	MP2B	X	7.966	6
29	MP2B	Z	4.599	6
30	MP2B	Mx	-.003	6
31	MP2C	X	7.528	1
32	MP2C	Z	4.347	1
33	MP2C	Mx	.008	1
34	MP2C	X	7.528	6
35	MP2C	Z	4.347	6
36	MP2C	Mx	.008	6
37	MP3A	X	1.893	2
38	MP3A	Z	1.093	2
39	MP3A	Mx	-.001	2
40	MP3A	X	1.893	5
41	MP3A	Z	1.093	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
42	MP3A	Mx	-.001	5
43	MP3B	X	3.903	2
44	MP3B	Z	2.253	2
45	MP3B	Mx	.001	2
46	MP3B	X	3.903	5
47	MP3B	Z	2.253	5
48	MP3B	Mx	.001	5
49	MP3C	X	3.502	2
50	MP3C	Z	2.022	2
51	MP3C	Mx	.002	2
52	MP3C	X	3.502	5
53	MP3C	Z	2.022	5
54	MP3C	Mx	.002	5
55	MP2A	X	.488	2
56	MP2A	Z	.282	2
57	MP2A	Mx	.000366	2
58	MP2B	X	.651	2
59	MP2B	Z	.376	2
60	MP2B	Mx	-.000212	2
61	MP2C	X	.619	2
62	MP2C	Z	.358	2
63	MP2C	Mx	-.000274	2
64	MP2A	X	2.406	3.5
65	MP2A	Z	1.389	3.5
66	MP2A	Mx	.002	3.5
67	MP2B	X	3.278	3.5
68	MP2B	Z	1.892	3.5
69	MP2B	Mx	-.001	3.5
70	MP2C	X	3.104	3.5
71	MP2C	Z	1.792	3.5
72	MP2C	Mx	-.001	3.5
73	MP1A	X	1.993	3.5
74	MP1A	Z	1.151	3.5
75	MP1A	Mx	.001	3.5
76	MP1B	X	1.993	3.5
77	MP1B	Z	1.151	3.5
78	MP1B	Mx	.001	3.5
79	MP1C	X	1.993	3.5
80	MP1C	Z	1.151	3.5
81	MP1C	Mx	.001	3.5
82	MP1C	X	5.351	1
83	MP1C	Z	3.089	1
84	MP1C	Mx	.002	1
85	MP1C	X	5.351	5
86	MP1C	Z	3.089	5
87	MP1C	Mx	.002	5
88	MP4C	X	5.351	1
89	MP4C	Z	3.089	1
90	MP4C	Mx	.002	1
91	MP4C	X	5.351	5
92	MP4C	Z	3.089	5
93	MP4C	Mx	.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP1A	X	8.052	1
95	MP1A	Z	4.649	1
96	MP1A	Mx	-.006	1
97	MP1A	X	8.052	5
98	MP1A	Z	4.649	5
99	MP1A	Mx	-.006	5
100	MP1B	X	8.773	1
101	MP1B	Z	5.065	1
102	MP1B	Mx	.003	1
103	MP1B	X	8.773	5
104	MP1B	Z	5.065	5
105	MP1B	Mx	.003	5
106	MP4A	X	8.052	1
107	MP4A	Z	4.649	1
108	MP4A	Mx	-.006	1
109	MP4A	X	8.052	5
110	MP4A	Z	4.649	5
111	MP4A	Mx	-.006	5
112	MP4B	X	8.773	1
113	MP4B	Z	5.065	1
114	MP4B	Mx	.003	1
115	MP4B	X	8.773	5
116	MP4B	Z	5.065	5
117	MP4B	Mx	.003	5
118	M99	X	4.645	1
119	M99	Z	2.682	1
120	M99	Mx	.000312	1
121	M98	X	4.645	1
122	M98	Z	2.682	1
123	M98	Mx	.000312	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	4.059	1
2	MP2A	Z	7.03	1
3	MP2A	Mx	-.008	1
4	MP2A	X	4.059	6
5	MP2A	Z	7.03	6
6	MP2A	Mx	-.008	6
7	MP2B	X	4.887	1
8	MP2B	Z	8.465	1
9	MP2B	Mx	.006	1
10	MP2B	X	4.887	6
11	MP2B	Z	8.465	6
12	MP2B	Mx	.006	6
13	MP2C	X	3.518	1
14	MP2C	Z	6.094	1
15	MP2C	Mx	.002	1
16	MP2C	X	3.518	6
17	MP2C	Z	6.094	6
18	MP2C	Mx	.002	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP2A	X	4.059	1
20	MP2A	Z	7.03	1
21	MP2A	Mx	0	1
22	MP2A	X	4.059	6
23	MP2A	Z	7.03	6
24	MP2A	Mx	0	6
25	MP2B	X	4.887	1
26	MP2B	Z	8.465	1
27	MP2B	Mx	-.007	1
28	MP2B	X	4.887	6
29	MP2B	Z	8.465	6
30	MP2B	Mx	-.007	6
31	MP2C	X	3.518	1
32	MP2C	Z	6.094	1
33	MP2C	Mx	.006	1
34	MP2C	X	3.518	6
35	MP2C	Z	6.094	6
36	MP2C	Mx	.006	6
37	MP3A	X	1.759	2
38	MP3A	Z	3.046	2
39	MP3A	Mx	-.002	2
40	MP3A	X	1.759	5
41	MP3A	Z	3.046	5
42	MP3A	Mx	-.002	5
43	MP3B	X	2.516	2
44	MP3B	Z	4.358	2
45	MP3B	Mx	-.000292	2
46	MP3B	X	2.516	5
47	MP3B	Z	4.358	5
48	MP3B	Mx	-.000292	5
49	MP3C	X	1.264	2
50	MP3C	Z	2.19	2
51	MP3C	Mx	.002	2
52	MP3C	X	1.264	5
53	MP3C	Z	2.19	5
54	MP3C	Mx	.002	5
55	MP2A	X	.332	2
56	MP2A	Z	.576	2
57	MP2A	Mx	.000324	2
58	MP2B	X	.397	2
59	MP2B	Z	.688	2
60	MP2B	Mx	4.6e-5	2
61	MP2C	X	.297	2
62	MP2C	Z	.515	2
63	MP2C	Mx	-.000359	2
64	MP2A	X	1.678	3.5
65	MP2A	Z	2.907	3.5
66	MP2A	Mx	.002	3.5
67	MP2B	X	2.006	3.5
68	MP2B	Z	3.475	3.5
69	MP2B	Mx	.000233	3.5
70	MP2C	X	1.464	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP2C	Z	2.535	3.5
72	MP2C	Mx	-.002	3.5
73	MP1A	X	1.55	3.5
74	MP1A	Z	2.685	3.5
75	MP1A	Mx	.001	3.5
76	MP1B	X	1.55	3.5
77	MP1B	Z	2.685	3.5
78	MP1B	Mx	.001	3.5
79	MP1C	X	1.55	3.5
80	MP1C	Z	2.685	3.5
81	MP1C	Mx	.001	3.5
82	MP1C	X	4.228	1
83	MP1C	Z	7.323	1
84	MP1C	Mx	.005	1
85	MP1C	X	4.228	5
86	MP1C	Z	7.323	5
87	MP1C	Mx	.005	5
88	MP4C	X	4.228	1
89	MP4C	Z	7.323	1
90	MP4C	Mx	.005	1
91	MP4C	X	4.228	5
92	MP4C	Z	7.323	5
93	MP4C	Mx	.005	5
94	MP1A	X	4.888	1
95	MP1A	Z	8.466	1
96	MP1A	Mx	-.005	1
97	MP1A	X	4.888	5
98	MP1A	Z	8.466	5
99	MP1A	Mx	-.005	5
100	MP1B	X	5.159	1
101	MP1B	Z	8.936	1
102	MP1B	Mx	-.0006	1
103	MP1B	X	5.159	5
104	MP1B	Z	8.936	5
105	MP1B	Mx	-.0006	5
106	MP4A	X	4.888	1
107	MP4A	Z	8.466	1
108	MP4A	Mx	-.005	1
109	MP4A	X	4.888	5
110	MP4A	Z	8.466	5
111	MP4A	Mx	-.005	5
112	MP4B	X	5.159	1
113	MP4B	Z	8.936	1
114	MP4B	Mx	-.0006	1
115	MP4B	X	5.159	5
116	MP4B	Z	8.936	5
117	MP4B	Mx	-.0006	5
118	M99	X	2.379	1
119	M99	Z	4.121	1
120	M99	Mx	.002	1
121	M98	X	2.379	1
122	M98	Z	4.121	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
123	M98	Mx	.002	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	9.574	1
3	MP2A	Mx	-.008	1
4	MP2A	X	0	6
5	MP2A	Z	9.574	6
6	MP2A	Mx	-.008	6
7	MP2B	X	0	1
8	MP2B	Z	8.693	1
9	MP2B	Mx	.001	1
10	MP2B	X	0	6
11	MP2B	Z	8.693	6
12	MP2B	Mx	.001	6
13	MP2C	X	0	1
14	MP2C	Z	6.462	1
15	MP2C	Mx	.005	1
16	MP2C	X	0	6
17	MP2C	Z	6.462	6
18	MP2C	Mx	.005	6
19	MP2A	X	0	1
20	MP2A	Z	9.574	1
21	MP2A	Mx	.005	1
22	MP2A	X	0	6
23	MP2A	Z	9.574	6
24	MP2A	Mx	.005	6
25	MP2B	X	0	1
26	MP2B	Z	8.693	1
27	MP2B	Mx	-.008	1
28	MP2B	X	0	6
29	MP2B	Z	8.693	6
30	MP2B	Mx	-.008	6
31	MP2C	X	0	1
32	MP2C	Z	6.462	1
33	MP2C	Mx	.004	1
34	MP2C	X	0	6
35	MP2C	Z	6.462	6
36	MP2C	Mx	.004	6
37	MP3A	X	0	2
38	MP3A	Z	4.85	2
39	MP3A	Mx	-.000837	2
40	MP3A	X	0	5
41	MP3A	Z	4.85	5
42	MP3A	Mx	-.000837	5
43	MP3B	X	0	2
44	MP3B	Z	4.044	2
45	MP3B	Mx	-.002	2
46	MP3B	X	0	5
47	MP3B	Z	4.044	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP3B	Mx	-.002	5
49	MP3C	X	0	2
50	MP3C	Z	2.003	2
51	MP3C	Mx	.001	2
52	MP3C	X	0	5
53	MP3C	Z	2.003	5
54	MP3C	Mx	.001	5
55	MP2A	X	0	2
56	MP2A	Z	.775	2
57	MP2A	Mx	.000151	2
58	MP2B	X	0	2
59	MP2B	Z	.715	2
60	MP2B	Mx	.000273	2
61	MP2C	X	0	2
62	MP2C	Z	.553	2
63	MP2C	Mx	-.000367	2
64	MP2A	X	0	3.5
65	MP2A	Z	3.934	3.5
66	MP2A	Mx	.000679	3.5
67	MP2B	X	0	3.5
68	MP2B	Z	3.584	3.5
69	MP2B	Mx	.001	3.5
70	MP2C	X	0	3.5
71	MP2C	Z	2.699	3.5
72	MP2C	Mx	-.002	3.5
73	MP1A	X	0	3.5
74	MP1A	Z	3.9	3.5
75	MP1A	Mx	.000673	3.5
76	MP1B	X	0	3.5
77	MP1B	Z	3.9	3.5
78	MP1B	Mx	.000673	3.5
79	MP1C	X	0	3.5
80	MP1C	Z	3.9	3.5
81	MP1C	Mx	.000673	3.5
82	MP1C	X	0	1
83	MP1C	Z	9.246	1
84	MP1C	Mx	.006	1
85	MP1C	X	0	5
86	MP1C	Z	9.246	5
87	MP1C	Mx	.006	5
88	MP4C	X	0	1
89	MP4C	Z	9.246	1
90	MP4C	Mx	.006	1
91	MP4C	X	0	5
92	MP4C	Z	9.246	5
93	MP4C	Mx	.006	5
94	MP1A	X	0	1
95	MP1A	Z	10.253	1
96	MP1A	Mx	-.002	1
97	MP1A	X	0	5
98	MP1A	Z	10.253	5
99	MP1A	Mx	-.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
100	MP1B	X	0	1
101	MP1B	Z	9.964	1
102	MP1B	Mx	-.004	1
103	MP1B	X	0	5
104	MP1B	Z	9.964	5
105	MP1B	Mx	-.004	5
106	MP4A	X	0	1
107	MP4A	Z	10.253	1
108	MP4A	Mx	-.002	1
109	MP4A	X	0	5
110	MP4A	Z	10.253	5
111	MP4A	Mx	-.002	5
112	MP4B	X	0	1
113	MP4B	Z	9.964	1
114	MP4B	Mx	-.004	1
115	MP4B	X	0	5
116	MP4B	Z	9.964	5
117	MP4B	Mx	-.004	5
118	M99	X	0	1
119	M99	Z	3.83	1
120	M99	Mx	.002	1
121	M98	X	0	1
122	M98	Z	3.83	1
123	M98	Mx	.002	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-4.787	1
2	MP2A	Z	8.292	1
3	MP2A	Mx	-.005	1
4	MP2A	X	-4.787	6
5	MP2A	Z	8.292	6
6	MP2A	Mx	-.005	6
7	MP2B	X	-3.518	1
8	MP2B	Z	6.094	1
9	MP2B	Mx	-.002	1
10	MP2B	X	-3.518	6
11	MP2B	Z	6.094	6
12	MP2B	Mx	-.002	6
13	MP2C	X	-3.771	1
14	MP2C	Z	6.532	1
15	MP2C	Mx	.007	1
16	MP2C	X	-3.771	6
17	MP2C	Z	6.532	6
18	MP2C	Mx	.007	6
19	MP2A	X	-4.787	1
20	MP2A	Z	8.292	1
21	MP2A	Mx	.008	1
22	MP2A	X	-4.787	6
23	MP2A	Z	8.292	6
24	MP2A	Mx	.008	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP2B	X	-3.518	1
26	MP2B	Z	6.094	1
27	MP2B	Mx	-.006	1
28	MP2B	X	-3.518	6
29	MP2B	Z	6.094	6
30	MP2B	Mx	-.006	6
31	MP2C	X	-3.771	1
32	MP2C	Z	6.532	1
33	MP2C	Mx	.001	1
34	MP2C	X	-3.771	6
35	MP2C	Z	6.532	6
36	MP2C	Mx	.001	6
37	MP3A	X	-2.425	2
38	MP3A	Z	4.2	2
39	MP3A	Mx	.000837	2
40	MP3A	X	-2.425	5
41	MP3A	Z	4.2	5
42	MP3A	Mx	.000837	5
43	MP3B	X	-1.264	2
44	MP3B	Z	2.19	2
45	MP3B	Mx	-.002	2
46	MP3B	X	-1.264	5
47	MP3B	Z	2.19	5
48	MP3B	Mx	-.002	5
49	MP3C	X	-1.496	2
50	MP3C	Z	2.591	2
51	MP3C	Mx	.002	2
52	MP3C	X	-1.496	5
53	MP3C	Z	2.591	5
54	MP3C	Mx	.002	5
55	MP2A	X	-.392	2
56	MP2A	Z	.679	2
57	MP2A	Mx	-.000118	2
58	MP2B	X	-.297	2
59	MP2B	Z	.515	2
60	MP2B	Mx	.000359	2
61	MP2C	X	-.316	2
62	MP2C	Z	.547	2
63	MP2C	Mx	-.000345	2
64	MP2A	X	-1.967	3.5
65	MP2A	Z	3.407	3.5
66	MP2A	Mx	-.000679	3.5
67	MP2B	X	-1.464	3.5
68	MP2B	Z	2.535	3.5
69	MP2B	Mx	.002	3.5
70	MP2C	X	-1.564	3.5
71	MP2C	Z	2.709	3.5
72	MP2C	Mx	-.002	3.5
73	MP1A	X	-1.95	3.5
74	MP1A	Z	3.377	3.5
75	MP1A	Mx	-.000673	3.5
76	MP1B	X	-1.95	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP1B	Z	3.377	3.5
78	MP1B	Mx	-.000673	3.5
79	MP1C	X	-1.95	3.5
80	MP1C	Z	3.377	3.5
81	MP1C	Mx	-.000673	3.5
82	MP1C	X	-3.88	1
83	MP1C	Z	6.721	1
84	MP1C	Mx	.004	1
85	MP1C	X	-3.88	5
86	MP1C	Z	6.721	5
87	MP1C	Mx	.004	5
88	MP4C	X	-3.88	1
89	MP4C	Z	6.721	1
90	MP4C	Mx	.004	1
91	MP4C	X	-3.88	5
92	MP4C	Z	6.721	5
93	MP4C	Mx	.004	5
94	MP1A	X	-5.126	1
95	MP1A	Z	8.879	1
96	MP1A	Mx	.002	1
97	MP1A	X	-5.126	5
98	MP1A	Z	8.879	5
99	MP1A	Mx	.002	5
100	MP1B	X	-4.71	1
101	MP1B	Z	8.159	1
102	MP1B	Mx	-.006	1
103	MP1B	X	-4.71	5
104	MP1B	Z	8.159	5
105	MP1B	Mx	-.006	5
106	MP4A	X	-5.126	1
107	MP4A	Z	8.879	1
108	MP4A	Mx	.002	1
109	MP4A	X	-5.126	5
110	MP4A	Z	8.879	5
111	MP4A	Mx	.002	5
112	MP4B	X	-4.71	1
113	MP4B	Z	8.159	1
114	MP4B	Mx	-.006	1
115	MP4B	X	-4.71	5
116	MP4B	Z	8.159	5
117	MP4B	Mx	-.006	5
118	M99	X	-1.754	1
119	M99	Z	3.037	1
120	M99	Mx	.002	1
121	M98	X	-1.754	1
122	M98	Z	3.037	1
123	M98	Mx	.002	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-7.03	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP2A	Z	4.059	1
3	MP2A	Mx	0	1
4	MP2A	X	-7.03	6
5	MP2A	Z	4.059	6
6	MP2A	Mx	0	6
7	MP2B	X	-5.596	1
8	MP2B	Z	3.231	1
9	MP2B	Mx	-.005	1
10	MP2B	X	-5.596	6
11	MP2B	Z	3.231	6
12	MP2B	Mx	-.005	6
13	MP2C	X	-7.966	1
14	MP2C	Z	4.599	1
15	MP2C	Mx	.008	1
16	MP2C	X	-7.966	6
17	MP2C	Z	4.599	6
18	MP2C	Mx	.008	6
19	MP2A	X	-7.03	1
20	MP2A	Z	4.059	1
21	MP2A	Mx	.008	1
22	MP2A	X	-7.03	6
23	MP2A	Z	4.059	6
24	MP2A	Mx	.008	6
25	MP2B	X	-5.596	1
26	MP2B	Z	3.231	1
27	MP2B	Mx	-.004	1
28	MP2B	X	-5.596	6
29	MP2B	Z	3.231	6
30	MP2B	Mx	-.004	6
31	MP2C	X	-7.966	1
32	MP2C	Z	4.599	1
33	MP2C	Mx	-.003	1
34	MP2C	X	-7.966	6
35	MP2C	Z	4.599	6
36	MP2C	Mx	-.003	6
37	MP3A	X	-3.046	2
38	MP3A	Z	1.759	2
39	MP3A	Mx	.002	2
40	MP3A	X	-3.046	5
41	MP3A	Z	1.759	5
42	MP3A	Mx	.002	5
43	MP3B	X	-1.734	2
44	MP3B	Z	1.001	2
45	MP3B	Mx	-.001	2
46	MP3B	X	-1.734	5
47	MP3B	Z	1.001	5
48	MP3B	Mx	-.001	5
49	MP3C	X	-3.903	2
50	MP3C	Z	2.253	2
51	MP3C	Mx	.001	2
52	MP3C	X	-3.903	5
53	MP3C	Z	2.253	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
54	MP3C	Mx	.001	5
55	MP2A	X	-.591	2
56	MP2A	Z	.341	2
57	MP2A	Mx	-.00031	2
58	MP2B	X	-.479	2
59	MP2B	Z	.276	2
60	MP2B	Mx	.000367	2
61	MP2C	X	-.651	2
62	MP2C	Z	.376	2
63	MP2C	Mx	-.000212	2
64	MP2A	X	-2.907	3.5
65	MP2A	Z	1.678	3.5
66	MP2A	Mx	-.002	3.5
67	MP2B	X	-2.338	3.5
68	MP2B	Z	1.35	3.5
69	MP2B	Mx	.002	3.5
70	MP2C	X	-3.278	3.5
71	MP2C	Z	1.892	3.5
72	MP2C	Mx	-.001	3.5
73	MP1A	X	-2.685	3.5
74	MP1A	Z	1.55	3.5
75	MP1A	Mx	-.001	3.5
76	MP1B	X	-2.685	3.5
77	MP1B	Z	1.55	3.5
78	MP1B	Mx	-.001	3.5
79	MP1C	X	-2.685	3.5
80	MP1C	Z	1.55	3.5
81	MP1C	Mx	-.001	3.5
82	MP1C	X	-4.749	1
83	MP1C	Z	2.742	1
84	MP1C	Mx	.002	1
85	MP1C	X	-4.749	5
86	MP1C	Z	2.742	5
87	MP1C	Mx	.002	5
88	MP4C	X	-4.749	1
89	MP4C	Z	2.742	1
90	MP4C	Mx	.002	1
91	MP4C	X	-4.749	5
92	MP4C	Z	2.742	5
93	MP4C	Mx	.002	5
94	MP1A	X	-8.466	1
95	MP1A	Z	4.888	1
96	MP1A	Mx	.005	1
97	MP1A	X	-8.466	5
98	MP1A	Z	4.888	5
99	MP1A	Mx	.005	5
100	MP1B	X	-7.995	1
101	MP1B	Z	4.616	1
102	MP1B	Mx	-.006	1
103	MP1B	X	-7.995	5
104	MP1B	Z	4.616	5
105	MP1B	Mx	-.006	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
106	MP4A	X	-8.466	1
107	MP4A	Z	4.888	1
108	MP4A	Mx	.005	1
109	MP4A	X	-8.466	5
110	MP4A	Z	4.888	5
111	MP4A	Mx	.005	5
112	MP4B	X	-7.995	1
113	MP4B	Z	4.616	1
114	MP4B	Mx	-.006	1
115	MP4B	X	-7.995	5
116	MP4B	Z	4.616	5
117	MP4B	Mx	-.006	5
118	M99	X	-3.562	1
119	M99	Z	2.057	1
120	M99	Mx	.002	1
121	M98	X	-3.562	1
122	M98	Z	2.057	1
123	M98	Mx	.002	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-6.662	1
2	MP2A	Z	0	1
3	MP2A	Mx	.003	1
4	MP2A	X	-6.662	6
5	MP2A	Z	0	6
6	MP2A	Mx	.003	6
7	MP2B	X	-7.543	1
8	MP2B	Z	0	1
9	MP2B	Mx	-.007	1
10	MP2B	X	-7.543	6
11	MP2B	Z	0	6
12	MP2B	Mx	-.007	6
13	MP2C	X	-9.774	1
14	MP2C	Z	0	1
15	MP2C	Mx	.006	1
16	MP2C	X	-9.774	6
17	MP2C	Z	0	6
18	MP2C	Mx	.006	6
19	MP2A	X	-6.662	1
20	MP2A	Z	0	1
21	MP2A	Mx	.005	1
22	MP2A	X	-6.662	6
23	MP2A	Z	0	6
24	MP2A	Mx	.005	6
25	MP2B	X	-7.543	1
26	MP2B	Z	0	1
27	MP2B	Mx	-.001	1
28	MP2B	X	-7.543	6
29	MP2B	Z	0	6
30	MP2B	Mx	-.001	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP2C	X	-9.774	1
32	MP2C	Z	0	1
33	MP2C	Mx	-.007	1
34	MP2C	X	-9.774	6
35	MP2C	Z	0	6
36	MP2C	Mx	-.007	6
37	MP3A	X	-2.185	2
38	MP3A	Z	0	2
39	MP3A	Mx	.001	2
40	MP3A	X	-2.185	5
41	MP3A	Z	0	5
42	MP3A	Mx	.001	5
43	MP3B	X	-2.991	2
44	MP3B	Z	0	2
45	MP3B	Mx	-.002	2
46	MP3B	X	-2.991	5
47	MP3B	Z	0	5
48	MP3B	Mx	-.002	5
49	MP3C	X	-5.032	2
50	MP3C	Z	0	2
51	MP3C	Mx	-.000292	2
52	MP3C	X	-5.032	5
53	MP3C	Z	0	5
54	MP3C	Mx	-.000292	5
55	MP2A	X	-.572	2
56	MP2A	Z	0	2
57	MP2A	Mx	-.000365	2
58	MP2B	X	-.631	2
59	MP2B	Z	0	2
60	MP2B	Mx	.000345	2
61	MP2C	X	-.794	2
62	MP2C	Z	0	2
63	MP2C	Mx	4.6e-5	2
64	MP2A	X	-2.779	3.5
65	MP2A	Z	0	3.5
66	MP2A	Mx	-.002	3.5
67	MP2B	X	-3.128	3.5
68	MP2B	Z	0	3.5
69	MP2B	Mx	.002	3.5
70	MP2C	X	-4.013	3.5
71	MP2C	Z	0	3.5
72	MP2C	Mx	.000233	3.5
73	MP1A	X	-2.302	3.5
74	MP1A	Z	0	3.5
75	MP1A	Mx	-.001	3.5
76	MP1B	X	-2.302	3.5
77	MP1B	Z	0	3.5
78	MP1B	Mx	-.001	3.5
79	MP1C	X	-2.302	3.5
80	MP1C	Z	0	3.5
81	MP1C	Mx	-.001	3.5
82	MP1C	X	-4.693	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP1C	Z	0	1
84	MP1C	Mx	-.000273	1
85	MP1C	X	-4.693	5
86	MP1C	Z	0	5
87	MP1C	Mx	-.000273	5
88	MP4C	X	-4.693	1
89	MP4C	Z	0	1
90	MP4C	Mx	-.000273	1
91	MP4C	X	-4.693	5
92	MP4C	Z	0	5
93	MP4C	Mx	-.000273	5
94	MP1A	X	-9.298	1
95	MP1A	Z	0	1
96	MP1A	Mx	.006	1
97	MP1A	X	-9.298	5
98	MP1A	Z	0	5
99	MP1A	Mx	.006	5
100	MP1B	X	-9.587	1
101	MP1B	Z	0	1
102	MP1B	Mx	-.005	1
103	MP1B	X	-9.587	5
104	MP1B	Z	0	5
105	MP1B	Mx	-.005	5
106	MP4A	X	-9.298	1
107	MP4A	Z	0	1
108	MP4A	Mx	.006	1
109	MP4A	X	-9.298	5
110	MP4A	Z	0	5
111	MP4A	Mx	.006	5
112	MP4B	X	-9.587	1
113	MP4B	Z	0	1
114	MP4B	Mx	-.005	1
115	MP4B	X	-9.587	5
116	MP4B	Z	0	5
117	MP4B	Mx	-.005	5
118	M99	X	-5.042	1
119	M99	Z	0	1
120	M99	Mx	.001	1
121	M98	X	-5.042	1
122	M98	Z	0	1
123	M98	Mx	.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-5.769	1
2	MP2A	Z	-3.331	1
3	MP2A	Mx	.005	1
4	MP2A	X	-5.769	6
5	MP2A	Z	-3.331	6
6	MP2A	Mx	.005	6
7	MP2B	X	-7.966	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP2B	Z	-4.599	1
9	MP2B	Mx	-.008	1
10	MP2B	X	-7.966	6
11	MP2B	Z	-4.599	6
12	MP2B	Mx	-.008	6
13	MP2C	X	-7.528	1
14	MP2C	Z	-4.347	1
15	MP2C	Mx	.001	1
16	MP2C	X	-7.528	6
17	MP2C	Z	-4.347	6
18	MP2C	Mx	.001	6
19	MP2A	X	-5.769	1
20	MP2A	Z	-3.331	1
21	MP2A	Mx	.003	1
22	MP2A	X	-5.769	6
23	MP2A	Z	-3.331	6
24	MP2A	Mx	.003	6
25	MP2B	X	-7.966	1
26	MP2B	Z	-4.599	1
27	MP2B	Mx	.003	1
28	MP2B	X	-7.966	6
29	MP2B	Z	-4.599	6
30	MP2B	Mx	.003	6
31	MP2C	X	-7.528	1
32	MP2C	Z	-4.347	1
33	MP2C	Mx	-.008	1
34	MP2C	X	-7.528	6
35	MP2C	Z	-4.347	6
36	MP2C	Mx	-.008	6
37	MP3A	X	-1.893	2
38	MP3A	Z	-1.093	2
39	MP3A	Mx	.001	2
40	MP3A	X	-1.893	5
41	MP3A	Z	-1.093	5
42	MP3A	Mx	.001	5
43	MP3B	X	-3.903	2
44	MP3B	Z	-2.253	2
45	MP3B	Mx	-.001	2
46	MP3B	X	-3.903	5
47	MP3B	Z	-2.253	5
48	MP3B	Mx	-.001	5
49	MP3C	X	-3.502	2
50	MP3C	Z	-2.022	2
51	MP3C	Mx	-.002	2
52	MP3C	X	-3.502	5
53	MP3C	Z	-2.022	5
54	MP3C	Mx	-.002	5
55	MP2A	X	-.488	2
56	MP2A	Z	-.282	2
57	MP2A	Mx	-.000366	2
58	MP2B	X	-.651	2
59	MP2B	Z	-.376	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP2B	Mx	.000212	2
61	MP2C	X	-.619	2
62	MP2C	Z	-.358	2
63	MP2C	Mx	.000274	2
64	MP2A	X	-2.406	3.5
65	MP2A	Z	-1.389	3.5
66	MP2A	Mx	-.002	3.5
67	MP2B	X	-3.278	3.5
68	MP2B	Z	-1.892	3.5
69	MP2B	Mx	.001	3.5
70	MP2C	X	-3.104	3.5
71	MP2C	Z	-1.792	3.5
72	MP2C	Mx	.001	3.5
73	MP1A	X	-1.993	3.5
74	MP1A	Z	-1.151	3.5
75	MP1A	Mx	-.001	3.5
76	MP1B	X	-1.993	3.5
77	MP1B	Z	-1.151	3.5
78	MP1B	Mx	-.001	3.5
79	MP1C	X	-1.993	3.5
80	MP1C	Z	-1.151	3.5
81	MP1C	Mx	-.001	3.5
82	MP1C	X	-5.351	1
83	MP1C	Z	-3.089	1
84	MP1C	Mx	-.002	1
85	MP1C	X	-5.351	5
86	MP1C	Z	-3.089	5
87	MP1C	Mx	-.002	5
88	MP4C	X	-5.351	1
89	MP4C	Z	-3.089	1
90	MP4C	Mx	-.002	1
91	MP4C	X	-5.351	5
92	MP4C	Z	-3.089	5
93	MP4C	Mx	-.002	5
94	MP1A	X	-8.052	1
95	MP1A	Z	-4.649	1
96	MP1A	Mx	.006	1
97	MP1A	X	-8.052	5
98	MP1A	Z	-4.649	5
99	MP1A	Mx	.006	5
100	MP1B	X	-8.773	1
101	MP1B	Z	-5.065	1
102	MP1B	Mx	-.003	1
103	MP1B	X	-8.773	5
104	MP1B	Z	-5.065	5
105	MP1B	Mx	-.003	5
106	MP4A	X	-8.052	1
107	MP4A	Z	-4.649	1
108	MP4A	Mx	.006	1
109	MP4A	X	-8.052	5
110	MP4A	Z	-4.649	5
111	MP4A	Mx	.006	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
112	MP4B	X	-8.773	1
113	MP4B	Z	-5.065	1
114	MP4B	Mx	-.003	1
115	MP4B	X	-8.773	5
116	MP4B	Z	-5.065	5
117	MP4B	Mx	-.003	5
118	M99	X	-4.645	1
119	M99	Z	-2.682	1
120	M99	Mx	-.000312	1
121	M98	X	-4.645	1
122	M98	Z	-2.682	1
123	M98	Mx	-.000312	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-4.059	1
2	MP2A	Z	-7.03	1
3	MP2A	Mx	.008	1
4	MP2A	X	-4.059	6
5	MP2A	Z	-7.03	6
6	MP2A	Mx	.008	6
7	MP2B	X	-4.887	1
8	MP2B	Z	-8.465	1
9	MP2B	Mx	-.006	1
10	MP2B	X	-4.887	6
11	MP2B	Z	-8.465	6
12	MP2B	Mx	-.006	6
13	MP2C	X	-3.518	1
14	MP2C	Z	-6.094	1
15	MP2C	Mx	-.002	1
16	MP2C	X	-3.518	6
17	MP2C	Z	-6.094	6
18	MP2C	Mx	-.002	6
19	MP2A	X	-4.059	1
20	MP2A	Z	-7.03	1
21	MP2A	Mx	0	1
22	MP2A	X	-4.059	6
23	MP2A	Z	-7.03	6
24	MP2A	Mx	0	6
25	MP2B	X	-4.887	1
26	MP2B	Z	-8.465	1
27	MP2B	Mx	.007	1
28	MP2B	X	-4.887	6
29	MP2B	Z	-8.465	6
30	MP2B	Mx	.007	6
31	MP2C	X	-3.518	1
32	MP2C	Z	-6.094	1
33	MP2C	Mx	-.006	1
34	MP2C	X	-3.518	6
35	MP2C	Z	-6.094	6
36	MP2C	Mx	-.006	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP3A	X	-1.759	2
38	MP3A	Z	-3.046	2
39	MP3A	Mx	.002	2
40	MP3A	X	-1.759	5
41	MP3A	Z	-3.046	5
42	MP3A	Mx	.002	5
43	MP3B	X	-2.516	2
44	MP3B	Z	-4.358	2
45	MP3B	Mx	.000292	2
46	MP3B	X	-2.516	5
47	MP3B	Z	-4.358	5
48	MP3B	Mx	.000292	5
49	MP3C	X	-1.264	2
50	MP3C	Z	-2.19	2
51	MP3C	Mx	-.002	2
52	MP3C	X	-1.264	5
53	MP3C	Z	-2.19	5
54	MP3C	Mx	-.002	5
55	MP2A	X	-.332	2
56	MP2A	Z	-.576	2
57	MP2A	Mx	-.000324	2
58	MP2B	X	-.397	2
59	MP2B	Z	-.688	2
60	MP2B	Mx	-4.6e-5	2
61	MP2C	X	-.297	2
62	MP2C	Z	-.515	2
63	MP2C	Mx	.000359	2
64	MP2A	X	-1.678	3.5
65	MP2A	Z	-2.907	3.5
66	MP2A	Mx	-.002	3.5
67	MP2B	X	-2.006	3.5
68	MP2B	Z	-3.475	3.5
69	MP2B	Mx	-.000233	3.5
70	MP2C	X	-1.464	3.5
71	MP2C	Z	-2.535	3.5
72	MP2C	Mx	.002	3.5
73	MP1A	X	-1.55	3.5
74	MP1A	Z	-2.685	3.5
75	MP1A	Mx	-.001	3.5
76	MP1B	X	-1.55	3.5
77	MP1B	Z	-2.685	3.5
78	MP1B	Mx	-.001	3.5
79	MP1C	X	-1.55	3.5
80	MP1C	Z	-2.685	3.5
81	MP1C	Mx	-.001	3.5
82	MP1C	X	-4.228	1
83	MP1C	Z	-7.323	1
84	MP1C	Mx	-.005	1
85	MP1C	X	-4.228	5
86	MP1C	Z	-7.323	5
87	MP1C	Mx	-.005	5
88	MP4C	X	-4.228	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP4C	Z	-7.323	1
90	MP4C	Mx	-.005	1
91	MP4C	X	-4.228	5
92	MP4C	Z	-7.323	5
93	MP4C	Mx	-.005	5
94	MP1A	X	-4.888	1
95	MP1A	Z	-8.466	1
96	MP1A	Mx	.005	1
97	MP1A	X	-4.888	5
98	MP1A	Z	-8.466	5
99	MP1A	Mx	.005	5
100	MP1B	X	-5.159	1
101	MP1B	Z	-8.936	1
102	MP1B	Mx	.0006	1
103	MP1B	X	-5.159	5
104	MP1B	Z	-8.936	5
105	MP1B	Mx	.0006	5
106	MP4A	X	-4.888	1
107	MP4A	Z	-8.466	1
108	MP4A	Mx	.005	1
109	MP4A	X	-4.888	5
110	MP4A	Z	-8.466	5
111	MP4A	Mx	.005	5
112	MP4B	X	-5.159	1
113	MP4B	Z	-8.936	1
114	MP4B	Mx	.0006	1
115	MP4B	X	-5.159	5
116	MP4B	Z	-8.936	5
117	MP4B	Mx	.0006	5
118	M99	X	-2.379	1
119	M99	Z	-4.121	1
120	M99	Mx	-.002	1
121	M98	X	-2.379	1
122	M98	Z	-4.121	1
123	M98	Mx	-.002	1

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%31

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%8

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-250	%50

Member Point Loads (BLC 80 : Lv2)

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

Member Point Loads (BLC 80 : Lv2) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-250	%100

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-6.634	-6.634	0	%100
2	M2	Y	-10.207	-10.207	0	%100
3	M3	Y	-10.207	-10.207	0	%100
4	M5	Y	-10.22	-10.22	0	%100
5	MP1A	Y	-5.034	-5.034	0	%100
6	M9	Y	-10.22	-10.22	0	%100
7	M11	Y	-10.22	-10.22	0	%100
8	M13	Y	-10.22	-10.22	0	%100
9	M15	Y	-10.22	-10.22	0	%100
10	M17	Y	-10.22	-10.22	0	%100
11	M19	Y	-10.22	-10.22	0	%100
12	M20	Y	-10.22	-10.22	0	%100
13	M21	Y	-10.22	-10.22	0	%100
14	M22	Y	-9.702	-9.702	0	%100
15	M23	Y	-9.702	-9.702	0	%100
16	M24	Y	-9.702	-9.702	0	%100
17	M25	Y	-10.207	-10.207	0	%100
18	M26	Y	-10.207	-10.207	0	%100
19	M30	Y	-9.702	-9.702	0	%100
20	M33	Y	-9.702	-9.702	0	%100
21	M38	Y	-5.679	-5.679	0	%100
22	M41	Y	-5.679	-5.679	0	%100
23	M42	Y	-10.207	-10.207	0	%100
24	M43	Y	-10.207	-10.207	0	%100
25	M45	Y	-10.207	-10.207	0	%100
26	M46	Y	-10.207	-10.207	0	%100
27	M48	Y	-9.702	-9.702	0	%100
28	M50	Y	-9.702	-9.702	0	%100
29	M54	Y	-5.679	-5.679	0	%100
30	M57	Y	-5.679	-5.679	0	%100
31	M58	Y	-10.207	-10.207	0	%100
32	M59	Y	-10.207	-10.207	0	%100
33	M61	Y	-10.207	-10.207	0	%100
34	M62	Y	-10.207	-10.207	0	%100
35	M64	Y	-9.702	-9.702	0	%100
36	M66	Y	-9.702	-9.702	0	%100
37	M70	Y	-5.679	-5.679	0	%100
38	M73	Y	-5.679	-5.679	0	%100
39	MP2A	Y	-5.745	-5.745	0	%100
40	MP3A	Y	-5.745	-5.745	0	%100
41	MP4A	Y	-5.034	-5.034	0	%100
42	M80	Y	-6.634	-6.634	0	%100
43	MP1C	Y	-5.034	-5.034	0	%100
44	MP2C	Y	-5.745	-5.745	0	%100
45	MP3C	Y	-5.745	-5.745	0	%100
46	MP4C	Y	-5.034	-5.034	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
47	M89	Y	-6.634	-6.634	0	%100
48	MP1B	Y	-5.034	-5.034	0	%100
49	MP2B	Y	-5.745	-5.745	0	%100
50	MP3B	Y	-5.745	-5.745	0	%100
51	MP4B	Y	-5.034	-5.034	0	%100
52	M98	Y	-5.034	-5.034	0	%100
53	M99	Y	-5.034	-5.034	0	%100
54	M104	Y	-5.745	-5.745	0	%100
55	M111	Y	-5.745	-5.745	0	%100
56	M118	Y	-5.745	-5.745	0	%100
57	M121	Y	-7.691	-7.691	0	%100
58	M122	Y	-7.691	-7.691	0	%100
59	M123	Y	-7.691	-7.691	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-12.048	-12.048	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-17.563	-17.563	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-20.653	-20.653	0	%100
7	M5	X	0	0	0	%100
8	M5	Z	-21.801	-21.801	0	%100
9	MP1A	X	0	0	0	%100
10	MP1A	Z	-8.175	-8.175	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	-21.801	-21.801	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	-5.45	-5.45	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	-5.45	-5.45	0	%100
17	M15	X	0	0	0	%100
18	M15	Z	-5.45	-5.45	0	%100
19	M17	X	0	0	0	%100
20	M17	Z	-5.45	-5.45	0	%100
21	M19	X	0	0	0	%100
22	M19	Z	-5.163	-5.163	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	-20.653	-20.653	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	-5.163	-5.163	0	%100
27	M22	X	0	0	0	%100
28	M22	Z	0	0	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	-9.167	-9.167	0	%100
31	M24	X	0	0	0	%100
32	M24	Z	-9.167	-9.167	0	%100
33	M25	X	0	0	0	%100
34	M25	Z	-17.563	-17.563	0	%100
35	M26	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
36	M26	Z	-20.653	-20.653	0	%100
37	M30	X	0	0	0	%100
38	M30	Z	-2.591	-2.591	0	%100
39	M33	X	0	0	0	%100
40	M33	Z	-2.591	-2.591	0	%100
41	M38	X	0	0	0	%100
42	M38	Z	-11.472	-11.472	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	-11.472	-11.472	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	-13.11	-13.11	0	%100
47	M43	X	0	0	0	%100
48	M43	Z	-5.163	-5.163	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	-.325	-.325	0	%100
51	M46	X	0	0	0	%100
52	M46	Z	-5.163	-5.163	0	%100
53	M48	X	0	0	0	%100
54	M48	Z	-2.591	-2.591	0	%100
55	M50	X	0	0	0	%100
56	M50	Z	-10.365	-10.365	0	%100
57	M54	X	0	0	0	%100
58	M54	Z	-3.004	-3.004	0	%100
59	M57	X	0	0	0	%100
60	M57	Z	-2.735	-2.735	0	%100
61	M58	X	0	0	0	%100
62	M58	Z	-.325	-.325	0	%100
63	M59	X	0	0	0	%100
64	M59	Z	-5.163	-5.163	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	-13.11	-13.11	0	%100
67	M62	X	0	0	0	%100
68	M62	Z	-5.163	-5.163	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	-10.365	-10.365	0	%100
71	M66	X	0	0	0	%100
72	M66	Z	-2.591	-2.591	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	-2.735	-2.735	0	%100
75	M73	X	0	0	0	%100
76	M73	Z	-3.004	-3.004	0	%100
77	MP2A	X	0	0	0	%100
78	MP2A	Z	-9.896	-9.896	0	%100
79	MP3A	X	0	0	0	%100
80	MP3A	Z	-9.896	-9.896	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	-8.175	-8.175	0	%100
83	M80	X	0	0	0	%100
84	M80	Z	-3.012	-3.012	0	%100
85	MP1C	X	0	0	0	%100
86	MP1C	Z	-8.175	-8.175	0	%100
87	MP2C	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
88	MP2C	Z	-9.896	-9.896	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	-9.896	-9.896	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	-8.175	-8.175	0	%100
93	M89	X	0	0	0	%100
94	M89	Z	-3.012	-3.012	0	%100
95	MP1B	X	0	0	0	%100
96	MP1B	Z	-8.175	-8.175	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-9.896	-9.896	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	-9.896	-9.896	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	-8.175	-8.175	0	%100
103	M98	X	0	0	0	%100
104	M98	Z	-6.685	-6.685	0	%100
105	M99	X	0	0	0	%100
106	M99	Z	-6.685	-6.685	0	%100
107	M104	X	0	0	0	%100
108	M104	Z	-9.896	-9.896	0	%100
109	M111	X	0	0	0	%100
110	M111	Z	-2.474	-2.474	0	%100
111	M118	X	0	0	0	%100
112	M118	Z	-2.474	-2.474	0	%100
113	M121	X	0	0	0	%100
114	M121	Z	-3.237	-3.237	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	-3.237	-3.237	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	-12.949	-12.949	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	4.518	4.518	0	%100
2	M1	Z	-7.825	-7.825	0	%100
3	M2	X	3.778	3.778	0	%100
4	M2	Z	-6.543	-6.543	0	%100
5	M3	X	7.745	7.745	0	%100
6	M3	Z	-13.415	-13.415	0	%100
7	M5	X	8.175	8.175	0	%100
8	M5	Z	-14.16	-14.16	0	%100
9	MP1A	X	4.088	4.088	0	%100
10	MP1A	Z	-7.08	-7.08	0	%100
11	M9	X	8.175	8.175	0	%100
12	M9	Z	-14.16	-14.16	0	%100
13	M11	X	8.175	8.175	0	%100
14	M11	Z	-14.16	-14.16	0	%100
15	M13	X	8.175	8.175	0	%100
16	M13	Z	-14.16	-14.16	0	%100
17	M15	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
18	M15	Z	0	0	0	%100
19	M17	X	0	0	0	%100
20	M17	Z	0	0	0	%100
21	M19	X	7.745	7.745	0	%100
22	M19	Z	-13.415	-13.415	0	%100
23	M20	X	7.745	7.745	0	%100
24	M20	Z	-13.415	-13.415	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	1.528	1.528	0	%100
28	M22	Z	-2.646	-2.646	0	%100
29	M23	X	1.528	1.528	0	%100
30	M23	Z	-2.646	-2.646	0	%100
31	M24	X	6.112	6.112	0	%100
32	M24	Z	-10.586	-10.586	0	%100
33	M25	X	10.17	10.17	0	%100
34	M25	Z	-17.615	-17.615	0	%100
35	M26	X	7.745	7.745	0	%100
36	M26	Z	-13.415	-13.415	0	%100
37	M30	X	3.887	3.887	0	%100
38	M30	Z	-6.732	-6.732	0	%100
39	M33	X	0	0	0	%100
40	M33	Z	0	0	0	%100
41	M38	X	4.235	4.235	0	%100
42	M38	Z	-7.335	-7.335	0	%100
43	M41	X	4.369	4.369	0	%100
44	M41	Z	-7.568	-7.568	0	%100
45	M42	X	10.17	10.17	0	%100
46	M42	Z	-17.615	-17.615	0	%100
47	M43	X	7.745	7.745	0	%100
48	M43	Z	-13.415	-13.415	0	%100
49	M45	X	3.778	3.778	0	%100
50	M45	Z	-6.543	-6.543	0	%100
51	M46	X	7.745	7.745	0	%100
52	M46	Z	-13.415	-13.415	0	%100
53	M48	X	0	0	0	%100
54	M48	Z	0	0	0	%100
55	M50	X	3.887	3.887	0	%100
56	M50	Z	-6.732	-6.732	0	%100
57	M54	X	4.369	4.369	0	%100
58	M54	Z	-7.568	-7.568	0	%100
59	M57	X	4.235	4.235	0	%100
60	M57	Z	-7.335	-7.335	0	%100
61	M58	X	1.551	1.551	0	%100
62	M58	Z	-2.687	-2.687	0	%100
63	M59	X	0	0	0	%100
64	M59	Z	0	0	0	%100
65	M61	X	1.551	1.551	0	%100
66	M61	Z	-2.687	-2.687	0	%100
67	M62	X	0	0	0	%100
68	M62	Z	0	0	0	%100
69	M64	X	3.887	3.887	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
70	M64	Z	-6.732	-6.732	0	%100
71	M66	X	3.887	3.887	0	%100
72	M66	Z	-6.732	-6.732	0	%100
73	M70	X	.001	.001	0	%100
74	M70	Z	-.002	-.002	0	%100
75	M73	X	.001	.001	0	%100
76	M73	Z	-.002	-.002	0	%100
77	MP2A	X	4.948	4.948	0	%100
78	MP2A	Z	-8.571	-8.571	0	%100
79	MP3A	X	4.948	4.948	0	%100
80	MP3A	Z	-8.571	-8.571	0	%100
81	MP4A	X	4.088	4.088	0	%100
82	MP4A	Z	-7.08	-7.08	0	%100
83	M80	X	4.518	4.518	0	%100
84	M80	Z	-7.825	-7.825	0	%100
85	MP1C	X	4.088	4.088	0	%100
86	MP1C	Z	-7.08	-7.08	0	%100
87	MP2C	X	4.948	4.948	0	%100
88	MP2C	Z	-8.571	-8.571	0	%100
89	MP3C	X	4.948	4.948	0	%100
90	MP3C	Z	-8.571	-8.571	0	%100
91	MP4C	X	4.088	4.088	0	%100
92	MP4C	Z	-7.08	-7.08	0	%100
93	M89	X	0	0	0	%100
94	M89	Z	0	0	0	%100
95	MP1B	X	4.088	4.088	0	%100
96	MP1B	Z	-7.08	-7.08	0	%100
97	MP2B	X	4.948	4.948	0	%100
98	MP2B	Z	-8.571	-8.571	0	%100
99	MP3B	X	4.948	4.948	0	%100
100	MP3B	Z	-8.571	-8.571	0	%100
101	MP4B	X	4.088	4.088	0	%100
102	MP4B	Z	-7.08	-7.08	0	%100
103	M98	X	3.343	3.343	0	%100
104	M98	Z	-5.79	-5.79	0	%100
105	M99	X	3.343	3.343	0	%100
106	M99	Z	-5.79	-5.79	0	%100
107	M104	X	3.711	3.711	0	%100
108	M104	Z	-6.428	-6.428	0	%100
109	M111	X	3.711	3.711	0	%100
110	M111	Z	-6.428	-6.428	0	%100
111	M118	X	0	0	0	%100
112	M118	Z	0	0	0	%100
113	M121	X	4.856	4.856	0	%100
114	M121	Z	-8.411	-8.411	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	0	0	0	%100
117	M123	X	4.856	4.856	0	%100
118	M123	Z	-8.411	-8.411	0	%100

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

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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.608	2.608	0	%100
2	M1	Z	-1.506	-1.506	0	%100
3	M2	X	.281	.281	0	%100
4	M2	Z	-.162	-.162	0	%100
5	M3	X	4.472	4.472	0	%100
6	M3	Z	-2.582	-2.582	0	%100
7	M5	X	4.72	4.72	0	%100
8	M5	Z	-2.725	-2.725	0	%100
9	MP1A	X	7.08	7.08	0	%100
10	MP1A	Z	-4.088	-4.088	0	%100
11	M9	X	4.72	4.72	0	%100
12	M9	Z	-2.725	-2.725	0	%100
13	M11	X	18.88	18.88	0	%100
14	M11	Z	-10.9	-10.9	0	%100
15	M13	X	18.88	18.88	0	%100
16	M13	Z	-10.9	-10.9	0	%100
17	M15	X	4.72	4.72	0	%100
18	M15	Z	-2.725	-2.725	0	%100
19	M17	X	4.72	4.72	0	%100
20	M17	Z	-2.725	-2.725	0	%100
21	M19	X	17.886	17.886	0	%100
22	M19	Z	-10.327	-10.327	0	%100
23	M20	X	4.472	4.472	0	%100
24	M20	Z	-2.582	-2.582	0	%100
25	M21	X	4.472	4.472	0	%100
26	M21	Z	-2.582	-2.582	0	%100
27	M22	X	7.939	7.939	0	%100
28	M22	Z	-4.584	-4.584	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	0	0	0	%100
31	M24	X	7.939	7.939	0	%100
32	M24	Z	-4.584	-4.584	0	%100
33	M25	X	11.354	11.354	0	%100
34	M25	Z	-6.555	-6.555	0	%100
35	M26	X	4.472	4.472	0	%100
36	M26	Z	-2.582	-2.582	0	%100
37	M30	X	8.976	8.976	0	%100
38	M30	Z	-5.182	-5.182	0	%100
39	M33	X	2.244	2.244	0	%100
40	M33	Z	-1.296	-1.296	0	%100
41	M38	X	2.369	2.369	0	%100
42	M38	Z	-1.368	-1.368	0	%100
43	M41	X	2.601	2.601	0	%100
44	M41	Z	-1.502	-1.502	0	%100
45	M42	X	15.21	15.21	0	%100
46	M42	Z	-8.782	-8.782	0	%100
47	M43	X	17.886	17.886	0	%100
48	M43	Z	-10.327	-10.327	0	%100
49	M45	X	15.21	15.21	0	%100
50	M45	Z	-8.782	-8.782	0	%100
51	M46	X	17.886	17.886	0	%100
52	M46	Z	-10.327	-10.327	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	M48	X	2.244	2.244	0	%100
54	M48	Z	-1.296	-1.296	0	%100
55	M50	X	2.244	2.244	0	%100
56	M50	Z	-1.296	-1.296	0	%100
57	M54	X	9.935	9.935	0	%100
58	M54	Z	-5.736	-5.736	0	%100
59	M57	X	9.935	9.935	0	%100
60	M57	Z	-5.736	-5.736	0	%100
61	M58	X	11.354	11.354	0	%100
62	M58	Z	-6.555	-6.555	0	%100
63	M59	X	4.472	4.472	0	%100
64	M59	Z	-2.582	-2.582	0	%100
65	M61	X	.281	.281	0	%100
66	M61	Z	-.162	-.162	0	%100
67	M62	X	4.472	4.472	0	%100
68	M62	Z	-2.582	-2.582	0	%100
69	M64	X	2.244	2.244	0	%100
70	M64	Z	-1.296	-1.296	0	%100
71	M66	X	8.976	8.976	0	%100
72	M66	Z	-5.182	-5.182	0	%100
73	M70	X	2.601	2.601	0	%100
74	M70	Z	-1.502	-1.502	0	%100
75	M73	X	2.369	2.369	0	%100
76	M73	Z	-1.368	-1.368	0	%100
77	MP2A	X	8.571	8.571	0	%100
78	MP2A	Z	-4.948	-4.948	0	%100
79	MP3A	X	8.571	8.571	0	%100
80	MP3A	Z	-4.948	-4.948	0	%100
81	MP4A	X	7.08	7.08	0	%100
82	MP4A	Z	-4.088	-4.088	0	%100
83	M80	X	10.434	10.434	0	%100
84	M80	Z	-6.024	-6.024	0	%100
85	MP1C	X	7.08	7.08	0	%100
86	MP1C	Z	-4.088	-4.088	0	%100
87	MP2C	X	8.571	8.571	0	%100
88	MP2C	Z	-4.948	-4.948	0	%100
89	MP3C	X	8.571	8.571	0	%100
90	MP3C	Z	-4.948	-4.948	0	%100
91	MP4C	X	7.08	7.08	0	%100
92	MP4C	Z	-4.088	-4.088	0	%100
93	M89	X	2.608	2.608	0	%100
94	M89	Z	-1.506	-1.506	0	%100
95	MP1B	X	7.08	7.08	0	%100
96	MP1B	Z	-4.088	-4.088	0	%100
97	MP2B	X	8.571	8.571	0	%100
98	MP2B	Z	-4.948	-4.948	0	%100
99	MP3B	X	8.571	8.571	0	%100
100	MP3B	Z	-4.948	-4.948	0	%100
101	MP4B	X	7.08	7.08	0	%100
102	MP4B	Z	-4.088	-4.088	0	%100
103	M98	X	5.79	5.79	0	%100
104	M98	Z	-3.343	-3.343	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
105	M99	X	5.79	5.79	0	%100
106	M99	Z	-3.343	-3.343	0	%100
107	M104	X	2.143	2.143	0	%100
108	M104	Z	-1.237	-1.237	0	%100
109	M111	X	8.571	8.571	0	%100
110	M111	Z	-4.948	-4.948	0	%100
111	M118	X	2.143	2.143	0	%100
112	M118	Z	-1.237	-1.237	0	%100
113	M121	X	11.214	11.214	0	%100
114	M121	Z	-6.475	-6.475	0	%100
115	M122	X	2.804	2.804	0	%100
116	M122	Z	-1.619	-1.619	0	%100
117	M123	X	2.804	2.804	0	%100
118	M123	Z	-1.619	-1.619	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	3.102	3.102	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M5	X	0	0	0	%100
8	M5	Z	0	0	0	%100
9	MP1A	X	8.175	8.175	0	%100
10	MP1A	Z	0	0	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	0	0	0	%100
13	M11	X	16.351	16.351	0	%100
14	M11	Z	0	0	0	%100
15	M13	X	16.351	16.351	0	%100
16	M13	Z	0	0	0	%100
17	M15	X	16.351	16.351	0	%100
18	M15	Z	0	0	0	%100
19	M17	X	16.351	16.351	0	%100
20	M17	Z	0	0	0	%100
21	M19	X	15.49	15.49	0	%100
22	M19	Z	0	0	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	0	0	0	%100
25	M21	X	15.49	15.49	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	12.223	12.223	0	%100
28	M22	Z	0	0	0	%100
29	M23	X	3.056	3.056	0	%100
30	M23	Z	0	0	0	%100
31	M24	X	3.056	3.056	0	%100
32	M24	Z	0	0	0	%100
33	M25	X	3.102	3.102	0	%100
34	M25	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
35	M26	X	0	0	0	%100
36	M26	Z	0	0	0	%100
37	M30	X	7.773	7.773	0	%100
38	M30	Z	0	0	0	%100
39	M33	X	7.773	7.773	0	%100
40	M33	Z	0	0	0	%100
41	M38	X	.002	.002	0	%100
42	M38	Z	0	0	0	%100
43	M41	X	.002	.002	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	7.555	7.555	0	%100
46	M42	Z	0	0	0	%100
47	M43	X	15.49	15.49	0	%100
48	M43	Z	0	0	0	%100
49	M45	X	20.341	20.341	0	%100
50	M45	Z	0	0	0	%100
51	M46	X	15.49	15.49	0	%100
52	M46	Z	0	0	0	%100
53	M48	X	7.773	7.773	0	%100
54	M48	Z	0	0	0	%100
55	M50	X	0	0	0	%100
56	M50	Z	0	0	0	%100
57	M54	X	8.47	8.47	0	%100
58	M54	Z	0	0	0	%100
59	M57	X	8.739	8.739	0	%100
60	M57	Z	0	0	0	%100
61	M58	X	20.341	20.341	0	%100
62	M58	Z	0	0	0	%100
63	M59	X	15.49	15.49	0	%100
64	M59	Z	0	0	0	%100
65	M61	X	7.555	7.555	0	%100
66	M61	Z	0	0	0	%100
67	M62	X	15.49	15.49	0	%100
68	M62	Z	0	0	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	0	0	0	%100
71	M66	X	7.773	7.773	0	%100
72	M66	Z	0	0	0	%100
73	M70	X	8.739	8.739	0	%100
74	M70	Z	0	0	0	%100
75	M73	X	8.47	8.47	0	%100
76	M73	Z	0	0	0	%100
77	MP2A	X	9.896	9.896	0	%100
78	MP2A	Z	0	0	0	%100
79	MP3A	X	9.896	9.896	0	%100
80	MP3A	Z	0	0	0	%100
81	MP4A	X	8.175	8.175	0	%100
82	MP4A	Z	0	0	0	%100
83	M80	X	9.036	9.036	0	%100
84	M80	Z	0	0	0	%100
85	MP1C	X	8.175	8.175	0	%100
86	MP1C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
87	MP2C	X	9.896	9.896	0	%100
88	MP2C	Z	0	0	0	%100
89	MP3C	X	9.896	9.896	0	%100
90	MP3C	Z	0	0	0	%100
91	MP4C	X	8.175	8.175	0	%100
92	MP4C	Z	0	0	0	%100
93	M89	X	9.036	9.036	0	%100
94	M89	Z	0	0	0	%100
95	MP1B	X	8.175	8.175	0	%100
96	MP1B	Z	0	0	0	%100
97	MP2B	X	9.896	9.896	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	9.896	9.896	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	8.175	8.175	0	%100
102	MP4B	Z	0	0	0	%100
103	M98	X	6.685	6.685	0	%100
104	M98	Z	0	0	0	%100
105	M99	X	6.685	6.685	0	%100
106	M99	Z	0	0	0	%100
107	M104	X	0	0	0	%100
108	M104	Z	0	0	0	%100
109	M111	X	7.422	7.422	0	%100
110	M111	Z	0	0	0	%100
111	M118	X	7.422	7.422	0	%100
112	M118	Z	0	0	0	%100
113	M121	X	9.712	9.712	0	%100
114	M121	Z	0	0	0	%100
115	M122	X	9.712	9.712	0	%100
116	M122	Z	0	0	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.608	2.608	0	%100
2	M1	Z	1.506	1.506	0	%100
3	M2	X	11.354	11.354	0	%100
4	M2	Z	6.555	6.555	0	%100
5	M3	X	4.472	4.472	0	%100
6	M3	Z	2.582	2.582	0	%100
7	M5	X	4.72	4.72	0	%100
8	M5	Z	2.725	2.725	0	%100
9	MP1A	X	7.08	7.08	0	%100
10	MP1A	Z	4.088	4.088	0	%100
11	M9	X	4.72	4.72	0	%100
12	M9	Z	2.725	2.725	0	%100
13	M11	X	4.72	4.72	0	%100
14	M11	Z	2.725	2.725	0	%100
15	M13	X	4.72	4.72	0	%100
16	M13	Z	2.725	2.725	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	M15	X	18.88	18.88	0	%100
18	M15	Z	10.9	10.9	0	%100
19	M17	X	18.88	18.88	0	%100
20	M17	Z	10.9	10.9	0	%100
21	M19	X	4.472	4.472	0	%100
22	M19	Z	2.582	2.582	0	%100
23	M20	X	4.472	4.472	0	%100
24	M20	Z	2.582	2.582	0	%100
25	M21	X	17.886	17.886	0	%100
26	M21	Z	10.327	10.327	0	%100
27	M22	X	7.939	7.939	0	%100
28	M22	Z	4.584	4.584	0	%100
29	M23	X	7.939	7.939	0	%100
30	M23	Z	4.584	4.584	0	%100
31	M24	X	0	0	0	%100
32	M24	Z	0	0	0	%100
33	M25	X	.281	.281	0	%100
34	M25	Z	.162	.162	0	%100
35	M26	X	4.472	4.472	0	%100
36	M26	Z	2.582	2.582	0	%100
37	M30	X	2.244	2.244	0	%100
38	M30	Z	1.296	1.296	0	%100
39	M33	X	8.976	8.976	0	%100
40	M33	Z	5.182	5.182	0	%100
41	M38	X	2.601	2.601	0	%100
42	M38	Z	1.502	1.502	0	%100
43	M41	X	2.369	2.369	0	%100
44	M41	Z	1.368	1.368	0	%100
45	M42	X	.281	.281	0	%100
46	M42	Z	.162	.162	0	%100
47	M43	X	4.472	4.472	0	%100
48	M43	Z	2.582	2.582	0	%100
49	M45	X	11.354	11.354	0	%100
50	M45	Z	6.555	6.555	0	%100
51	M46	X	4.472	4.472	0	%100
52	M46	Z	2.582	2.582	0	%100
53	M48	X	8.976	8.976	0	%100
54	M48	Z	5.182	5.182	0	%100
55	M50	X	2.244	2.244	0	%100
56	M50	Z	1.296	1.296	0	%100
57	M54	X	2.369	2.369	0	%100
58	M54	Z	1.368	1.368	0	%100
59	M57	X	2.601	2.601	0	%100
60	M57	Z	1.502	1.502	0	%100
61	M58	X	15.21	15.21	0	%100
62	M58	Z	8.782	8.782	0	%100
63	M59	X	17.886	17.886	0	%100
64	M59	Z	10.327	10.327	0	%100
65	M61	X	15.21	15.21	0	%100
66	M61	Z	8.782	8.782	0	%100
67	M62	X	17.886	17.886	0	%100
68	M62	Z	10.327	10.327	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
69	M64	X	2.244	2.244	0	%100
70	M64	Z	1.296	1.296	0	%100
71	M66	X	2.244	2.244	0	%100
72	M66	Z	1.296	1.296	0	%100
73	M70	X	9.935	9.935	0	%100
74	M70	Z	5.736	5.736	0	%100
75	M73	X	9.935	9.935	0	%100
76	M73	Z	5.736	5.736	0	%100
77	MP2A	X	8.571	8.571	0	%100
78	MP2A	Z	4.948	4.948	0	%100
79	MP3A	X	8.571	8.571	0	%100
80	MP3A	Z	4.948	4.948	0	%100
81	MP4A	X	7.08	7.08	0	%100
82	MP4A	Z	4.088	4.088	0	%100
83	M80	X	2.608	2.608	0	%100
84	M80	Z	1.506	1.506	0	%100
85	MP1C	X	7.08	7.08	0	%100
86	MP1C	Z	4.088	4.088	0	%100
87	MP2C	X	8.571	8.571	0	%100
88	MP2C	Z	4.948	4.948	0	%100
89	MP3C	X	8.571	8.571	0	%100
90	MP3C	Z	4.948	4.948	0	%100
91	MP4C	X	7.08	7.08	0	%100
92	MP4C	Z	4.088	4.088	0	%100
93	M89	X	10.434	10.434	0	%100
94	M89	Z	6.024	6.024	0	%100
95	MP1B	X	7.08	7.08	0	%100
96	MP1B	Z	4.088	4.088	0	%100
97	MP2B	X	8.571	8.571	0	%100
98	MP2B	Z	4.948	4.948	0	%100
99	MP3B	X	8.571	8.571	0	%100
100	MP3B	Z	4.948	4.948	0	%100
101	MP4B	X	7.08	7.08	0	%100
102	MP4B	Z	4.088	4.088	0	%100
103	M98	X	5.79	5.79	0	%100
104	M98	Z	3.343	3.343	0	%100
105	M99	X	5.79	5.79	0	%100
106	M99	Z	3.343	3.343	0	%100
107	M104	X	2.143	2.143	0	%100
108	M104	Z	1.237	1.237	0	%100
109	M111	X	2.143	2.143	0	%100
110	M111	Z	1.237	1.237	0	%100
111	M118	X	8.571	8.571	0	%100
112	M118	Z	4.948	4.948	0	%100
113	M121	X	2.804	2.804	0	%100
114	M121	Z	1.619	1.619	0	%100
115	M122	X	11.214	11.214	0	%100
116	M122	Z	6.475	6.475	0	%100
117	M123	X	2.804	2.804	0	%100
118	M123	Z	1.619	1.619	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	4.518	4.518	0	%100
2	M1	Z	7.825	7.825	0	%100
3	M2	X	10.17	10.17	0	%100
4	M2	Z	17.615	17.615	0	%100
5	M3	X	7.745	7.745	0	%100
6	M3	Z	13.415	13.415	0	%100
7	M5	X	8.175	8.175	0	%100
8	M5	Z	14.16	14.16	0	%100
9	MP1A	X	4.088	4.088	0	%100
10	MP1A	Z	7.08	7.08	0	%100
11	M9	X	8.175	8.175	0	%100
12	M9	Z	14.16	14.16	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	0	0	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	0	0	0	%100
17	M15	X	8.175	8.175	0	%100
18	M15	Z	14.16	14.16	0	%100
19	M17	X	8.175	8.175	0	%100
20	M17	Z	14.16	14.16	0	%100
21	M19	X	0	0	0	%100
22	M19	Z	0	0	0	%100
23	M20	X	7.745	7.745	0	%100
24	M20	Z	13.415	13.415	0	%100
25	M21	X	7.745	7.745	0	%100
26	M21	Z	13.415	13.415	0	%100
27	M22	X	1.528	1.528	0	%100
28	M22	Z	2.646	2.646	0	%100
29	M23	X	6.112	6.112	0	%100
30	M23	Z	10.586	10.586	0	%100
31	M24	X	1.528	1.528	0	%100
32	M24	Z	2.646	2.646	0	%100
33	M25	X	3.778	3.778	0	%100
34	M25	Z	6.543	6.543	0	%100
35	M26	X	7.745	7.745	0	%100
36	M26	Z	13.415	13.415	0	%100
37	M30	X	0	0	0	%100
38	M30	Z	0	0	0	%100
39	M33	X	3.887	3.887	0	%100
40	M33	Z	6.732	6.732	0	%100
41	M38	X	4.369	4.369	0	%100
42	M38	Z	7.568	7.568	0	%100
43	M41	X	4.235	4.235	0	%100
44	M41	Z	7.335	7.335	0	%100
45	M42	X	1.551	1.551	0	%100
46	M42	Z	2.687	2.687	0	%100
47	M43	X	0	0	0	%100
48	M43	Z	0	0	0	%100
49	M45	X	1.551	1.551	0	%100
50	M45	Z	2.687	2.687	0	%100
51	M46	X	0	0	0	%100
52	M46	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	M48	X	3.887	3.887	0	%100
54	M48	Z	6.732	6.732	0	%100
55	M50	X	3.887	3.887	0	%100
56	M50	Z	6.732	6.732	0	%100
57	M54	X	.001	.001	0	%100
58	M54	Z	.002	.002	0	%100
59	M57	X	.001	.001	0	%100
60	M57	Z	.002	.002	0	%100
61	M58	X	3.778	3.778	0	%100
62	M58	Z	6.543	6.543	0	%100
63	M59	X	7.745	7.745	0	%100
64	M59	Z	13.415	13.415	0	%100
65	M61	X	10.17	10.17	0	%100
66	M61	Z	17.615	17.615	0	%100
67	M62	X	7.745	7.745	0	%100
68	M62	Z	13.415	13.415	0	%100
69	M64	X	3.887	3.887	0	%100
70	M64	Z	6.732	6.732	0	%100
71	M66	X	0	0	0	%100
72	M66	Z	0	0	0	%100
73	M70	X	4.235	4.235	0	%100
74	M70	Z	7.335	7.335	0	%100
75	M73	X	4.369	4.369	0	%100
76	M73	Z	7.568	7.568	0	%100
77	MP2A	X	4.948	4.948	0	%100
78	MP2A	Z	8.571	8.571	0	%100
79	MP3A	X	4.948	4.948	0	%100
80	MP3A	Z	8.571	8.571	0	%100
81	MP4A	X	4.088	4.088	0	%100
82	MP4A	Z	7.08	7.08	0	%100
83	M80	X	0	0	0	%100
84	M80	Z	0	0	0	%100
85	MP1C	X	4.088	4.088	0	%100
86	MP1C	Z	7.08	7.08	0	%100
87	MP2C	X	4.948	4.948	0	%100
88	MP2C	Z	8.571	8.571	0	%100
89	MP3C	X	4.948	4.948	0	%100
90	MP3C	Z	8.571	8.571	0	%100
91	MP4C	X	4.088	4.088	0	%100
92	MP4C	Z	7.08	7.08	0	%100
93	M89	X	4.518	4.518	0	%100
94	M89	Z	7.825	7.825	0	%100
95	MP1B	X	4.088	4.088	0	%100
96	MP1B	Z	7.08	7.08	0	%100
97	MP2B	X	4.948	4.948	0	%100
98	MP2B	Z	8.571	8.571	0	%100
99	MP3B	X	4.948	4.948	0	%100
100	MP3B	Z	8.571	8.571	0	%100
101	MP4B	X	4.088	4.088	0	%100
102	MP4B	Z	7.08	7.08	0	%100
103	M98	X	3.343	3.343	0	%100
104	M98	Z	5.79	5.79	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
105	M99	X	3.343	3.343	0	%100
106	M99	Z	5.79	5.79	0	%100
107	M104	X	3.711	3.711	0	%100
108	M104	Z	6.428	6.428	0	%100
109	M111	X	0	0	0	%100
110	M111	Z	0	0	0	%100
111	M118	X	3.711	3.711	0	%100
112	M118	Z	6.428	6.428	0	%100
113	M121	X	0	0	0	%100
114	M121	Z	0	0	0	%100
115	M122	X	4.856	4.856	0	%100
116	M122	Z	8.411	8.411	0	%100
117	M123	X	4.856	4.856	0	%100
118	M123	Z	8.411	8.411	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	12.048	12.048	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	17.563	17.563	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	20.653	20.653	0	%100
7	M5	X	0	0	0	%100
8	M5	Z	21.801	21.801	0	%100
9	MP1A	X	0	0	0	%100
10	MP1A	Z	8.175	8.175	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	21.801	21.801	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	5.45	5.45	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	5.45	5.45	0	%100
17	M15	X	0	0	0	%100
18	M15	Z	5.45	5.45	0	%100
19	M17	X	0	0	0	%100
20	M17	Z	5.45	5.45	0	%100
21	M19	X	0	0	0	%100
22	M19	Z	5.163	5.163	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	20.653	20.653	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	5.163	5.163	0	%100
27	M22	X	0	0	0	%100
28	M22	Z	0	0	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	9.167	9.167	0	%100
31	M24	X	0	0	0	%100
32	M24	Z	9.167	9.167	0	%100
33	M25	X	0	0	0	%100
34	M25	Z	17.563	17.563	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
35	M26	X	0	0	0	%100
36	M26	Z	20.653	20.653	0	%100
37	M30	X	0	0	0	%100
38	M30	Z	2.591	2.591	0	%100
39	M33	X	0	0	0	%100
40	M33	Z	2.591	2.591	0	%100
41	M38	X	0	0	0	%100
42	M38	Z	11.472	11.472	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	11.472	11.472	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	13.11	13.11	0	%100
47	M43	X	0	0	0	%100
48	M43	Z	5.163	5.163	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	.325	.325	0	%100
51	M46	X	0	0	0	%100
52	M46	Z	5.163	5.163	0	%100
53	M48	X	0	0	0	%100
54	M48	Z	2.591	2.591	0	%100
55	M50	X	0	0	0	%100
56	M50	Z	10.365	10.365	0	%100
57	M54	X	0	0	0	%100
58	M54	Z	3.004	3.004	0	%100
59	M57	X	0	0	0	%100
60	M57	Z	2.735	2.735	0	%100
61	M58	X	0	0	0	%100
62	M58	Z	.325	.325	0	%100
63	M59	X	0	0	0	%100
64	M59	Z	5.163	5.163	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	13.11	13.11	0	%100
67	M62	X	0	0	0	%100
68	M62	Z	5.163	5.163	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	10.365	10.365	0	%100
71	M66	X	0	0	0	%100
72	M66	Z	2.591	2.591	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	2.735	2.735	0	%100
75	M73	X	0	0	0	%100
76	M73	Z	3.004	3.004	0	%100
77	MP2A	X	0	0	0	%100
78	MP2A	Z	9.896	9.896	0	%100
79	MP3A	X	0	0	0	%100
80	MP3A	Z	9.896	9.896	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	8.175	8.175	0	%100
83	M80	X	0	0	0	%100
84	M80	Z	3.012	3.012	0	%100
85	MP1C	X	0	0	0	%100
86	MP1C	Z	8.175	8.175	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
87	MP2C	X	0	0	0	%100
88	MP2C	Z	9.896	9.896	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	9.896	9.896	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	8.175	8.175	0	%100
93	M89	X	0	0	0	%100
94	M89	Z	3.012	3.012	0	%100
95	MP1B	X	0	0	0	%100
96	MP1B	Z	8.175	8.175	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	9.896	9.896	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	9.896	9.896	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	8.175	8.175	0	%100
103	M98	X	0	0	0	%100
104	M98	Z	6.685	6.685	0	%100
105	M99	X	0	0	0	%100
106	M99	Z	6.685	6.685	0	%100
107	M104	X	0	0	0	%100
108	M104	Z	9.896	9.896	0	%100
109	M111	X	0	0	0	%100
110	M111	Z	2.474	2.474	0	%100
111	M118	X	0	0	0	%100
112	M118	Z	2.474	2.474	0	%100
113	M121	X	0	0	0	%100
114	M121	Z	3.237	3.237	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	3.237	3.237	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	12.949	12.949	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-4.518	-4.518	0	%100
2	M1	Z	7.825	7.825	0	%100
3	M2	X	-3.778	-3.778	0	%100
4	M2	Z	6.543	6.543	0	%100
5	M3	X	-7.745	-7.745	0	%100
6	M3	Z	13.415	13.415	0	%100
7	M5	X	-8.175	-8.175	0	%100
8	M5	Z	14.16	14.16	0	%100
9	MP1A	X	-4.088	-4.088	0	%100
10	MP1A	Z	7.08	7.08	0	%100
11	M9	X	-8.175	-8.175	0	%100
12	M9	Z	14.16	14.16	0	%100
13	M11	X	-8.175	-8.175	0	%100
14	M11	Z	14.16	14.16	0	%100
15	M13	X	-8.175	-8.175	0	%100
16	M13	Z	14.16	14.16	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	M15	X	0	0	0	%100
18	M15	Z	0	0	0	%100
19	M17	X	0	0	0	%100
20	M17	Z	0	0	0	%100
21	M19	X	-7.745	-7.745	0	%100
22	M19	Z	13.415	13.415	0	%100
23	M20	X	-7.745	-7.745	0	%100
24	M20	Z	13.415	13.415	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	-1.528	-1.528	0	%100
28	M22	Z	2.646	2.646	0	%100
29	M23	X	-1.528	-1.528	0	%100
30	M23	Z	2.646	2.646	0	%100
31	M24	X	-6.112	-6.112	0	%100
32	M24	Z	10.586	10.586	0	%100
33	M25	X	-10.17	-10.17	0	%100
34	M25	Z	17.615	17.615	0	%100
35	M26	X	-7.745	-7.745	0	%100
36	M26	Z	13.415	13.415	0	%100
37	M30	X	-3.887	-3.887	0	%100
38	M30	Z	6.732	6.732	0	%100
39	M33	X	0	0	0	%100
40	M33	Z	0	0	0	%100
41	M38	X	-4.235	-4.235	0	%100
42	M38	Z	7.335	7.335	0	%100
43	M41	X	-4.369	-4.369	0	%100
44	M41	Z	7.568	7.568	0	%100
45	M42	X	-10.17	-10.17	0	%100
46	M42	Z	17.615	17.615	0	%100
47	M43	X	-7.745	-7.745	0	%100
48	M43	Z	13.415	13.415	0	%100
49	M45	X	-3.778	-3.778	0	%100
50	M45	Z	6.543	6.543	0	%100
51	M46	X	-7.745	-7.745	0	%100
52	M46	Z	13.415	13.415	0	%100
53	M48	X	0	0	0	%100
54	M48	Z	0	0	0	%100
55	M50	X	-3.887	-3.887	0	%100
56	M50	Z	6.732	6.732	0	%100
57	M54	X	-4.369	-4.369	0	%100
58	M54	Z	7.568	7.568	0	%100
59	M57	X	-4.235	-4.235	0	%100
60	M57	Z	7.335	7.335	0	%100
61	M58	X	-1.551	-1.551	0	%100
62	M58	Z	2.687	2.687	0	%100
63	M59	X	0	0	0	%100
64	M59	Z	0	0	0	%100
65	M61	X	-1.551	-1.551	0	%100
66	M61	Z	2.687	2.687	0	%100
67	M62	X	0	0	0	%100
68	M62	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
69	M64	X	-3.887	-3.887	0	%100
70	M64	Z	6.732	6.732	0	%100
71	M66	X	-3.887	-3.887	0	%100
72	M66	Z	6.732	6.732	0	%100
73	M70	X	-.001	-.001	0	%100
74	M70	Z	.002	.002	0	%100
75	M73	X	-.001	-.001	0	%100
76	M73	Z	.002	.002	0	%100
77	MP2A	X	-4.948	-4.948	0	%100
78	MP2A	Z	8.571	8.571	0	%100
79	MP3A	X	-4.948	-4.948	0	%100
80	MP3A	Z	8.571	8.571	0	%100
81	MP4A	X	-4.088	-4.088	0	%100
82	MP4A	Z	7.08	7.08	0	%100
83	M80	X	-4.518	-4.518	0	%100
84	M80	Z	7.825	7.825	0	%100
85	MP1C	X	-4.088	-4.088	0	%100
86	MP1C	Z	7.08	7.08	0	%100
87	MP2C	X	-4.948	-4.948	0	%100
88	MP2C	Z	8.571	8.571	0	%100
89	MP3C	X	-4.948	-4.948	0	%100
90	MP3C	Z	8.571	8.571	0	%100
91	MP4C	X	-4.088	-4.088	0	%100
92	MP4C	Z	7.08	7.08	0	%100
93	M89	X	0	0	0	%100
94	M89	Z	0	0	0	%100
95	MP1B	X	-4.088	-4.088	0	%100
96	MP1B	Z	7.08	7.08	0	%100
97	MP2B	X	-4.948	-4.948	0	%100
98	MP2B	Z	8.571	8.571	0	%100
99	MP3B	X	-4.948	-4.948	0	%100
100	MP3B	Z	8.571	8.571	0	%100
101	MP4B	X	-4.088	-4.088	0	%100
102	MP4B	Z	7.08	7.08	0	%100
103	M98	X	-3.343	-3.343	0	%100
104	M98	Z	5.79	5.79	0	%100
105	M99	X	-3.343	-3.343	0	%100
106	M99	Z	5.79	5.79	0	%100
107	M104	X	-3.711	-3.711	0	%100
108	M104	Z	6.428	6.428	0	%100
109	M111	X	-3.711	-3.711	0	%100
110	M111	Z	6.428	6.428	0	%100
111	M118	X	0	0	0	%100
112	M118	Z	0	0	0	%100
113	M121	X	-4.856	-4.856	0	%100
114	M121	Z	8.411	8.411	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	0	0	0	%100
117	M123	X	-4.856	-4.856	0	%100
118	M123	Z	8.411	8.411	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.608	-2.608	0	%100
2	M1	Z	1.506	1.506	0	%100
3	M2	X	-.281	-.281	0	%100
4	M2	Z	.162	.162	0	%100
5	M3	X	-4.472	-4.472	0	%100
6	M3	Z	2.582	2.582	0	%100
7	M5	X	-4.72	-4.72	0	%100
8	M5	Z	2.725	2.725	0	%100
9	MP1A	X	-7.08	-7.08	0	%100
10	MP1A	Z	4.088	4.088	0	%100
11	M9	X	-4.72	-4.72	0	%100
12	M9	Z	2.725	2.725	0	%100
13	M11	X	-18.88	-18.88	0	%100
14	M11	Z	10.9	10.9	0	%100
15	M13	X	-18.88	-18.88	0	%100
16	M13	Z	10.9	10.9	0	%100
17	M15	X	-4.72	-4.72	0	%100
18	M15	Z	2.725	2.725	0	%100
19	M17	X	-4.72	-4.72	0	%100
20	M17	Z	2.725	2.725	0	%100
21	M19	X	-17.886	-17.886	0	%100
22	M19	Z	10.327	10.327	0	%100
23	M20	X	-4.472	-4.472	0	%100
24	M20	Z	2.582	2.582	0	%100
25	M21	X	-4.472	-4.472	0	%100
26	M21	Z	2.582	2.582	0	%100
27	M22	X	-7.939	-7.939	0	%100
28	M22	Z	4.584	4.584	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	0	0	0	%100
31	M24	X	-7.939	-7.939	0	%100
32	M24	Z	4.584	4.584	0	%100
33	M25	X	-11.354	-11.354	0	%100
34	M25	Z	6.555	6.555	0	%100
35	M26	X	-4.472	-4.472	0	%100
36	M26	Z	2.582	2.582	0	%100
37	M30	X	-8.976	-8.976	0	%100
38	M30	Z	5.182	5.182	0	%100
39	M33	X	-2.244	-2.244	0	%100
40	M33	Z	1.296	1.296	0	%100
41	M38	X	-2.369	-2.369	0	%100
42	M38	Z	1.368	1.368	0	%100
43	M41	X	-2.601	-2.601	0	%100
44	M41	Z	1.502	1.502	0	%100
45	M42	X	-15.21	-15.21	0	%100
46	M42	Z	8.782	8.782	0	%100
47	M43	X	-17.886	-17.886	0	%100
48	M43	Z	10.327	10.327	0	%100
49	M45	X	-15.21	-15.21	0	%100
50	M45	Z	8.782	8.782	0	%100
51	M46	X	-17.886	-17.886	0	%100
52	M46	Z	10.327	10.327	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	M48	X	-2.244	-2.244	0	%100
54	M48	Z	1.296	1.296	0	%100
55	M50	X	-2.244	-2.244	0	%100
56	M50	Z	1.296	1.296	0	%100
57	M54	X	-9.935	-9.935	0	%100
58	M54	Z	5.736	5.736	0	%100
59	M57	X	-9.935	-9.935	0	%100
60	M57	Z	5.736	5.736	0	%100
61	M58	X	-11.354	-11.354	0	%100
62	M58	Z	6.555	6.555	0	%100
63	M59	X	-4.472	-4.472	0	%100
64	M59	Z	2.582	2.582	0	%100
65	M61	X	-.281	-.281	0	%100
66	M61	Z	.162	.162	0	%100
67	M62	X	-4.472	-4.472	0	%100
68	M62	Z	2.582	2.582	0	%100
69	M64	X	-2.244	-2.244	0	%100
70	M64	Z	1.296	1.296	0	%100
71	M66	X	-8.976	-8.976	0	%100
72	M66	Z	5.182	5.182	0	%100
73	M70	X	-2.601	-2.601	0	%100
74	M70	Z	1.502	1.502	0	%100
75	M73	X	-2.369	-2.369	0	%100
76	M73	Z	1.368	1.368	0	%100
77	MP2A	X	-8.571	-8.571	0	%100
78	MP2A	Z	4.948	4.948	0	%100
79	MP3A	X	-8.571	-8.571	0	%100
80	MP3A	Z	4.948	4.948	0	%100
81	MP4A	X	-7.08	-7.08	0	%100
82	MP4A	Z	4.088	4.088	0	%100
83	M80	X	-10.434	-10.434	0	%100
84	M80	Z	6.024	6.024	0	%100
85	MP1C	X	-7.08	-7.08	0	%100
86	MP1C	Z	4.088	4.088	0	%100
87	MP2C	X	-8.571	-8.571	0	%100
88	MP2C	Z	4.948	4.948	0	%100
89	MP3C	X	-8.571	-8.571	0	%100
90	MP3C	Z	4.948	4.948	0	%100
91	MP4C	X	-7.08	-7.08	0	%100
92	MP4C	Z	4.088	4.088	0	%100
93	M89	X	-2.608	-2.608	0	%100
94	M89	Z	1.506	1.506	0	%100
95	MP1B	X	-7.08	-7.08	0	%100
96	MP1B	Z	4.088	4.088	0	%100
97	MP2B	X	-8.571	-8.571	0	%100
98	MP2B	Z	4.948	4.948	0	%100
99	MP3B	X	-8.571	-8.571	0	%100
100	MP3B	Z	4.948	4.948	0	%100
101	MP4B	X	-7.08	-7.08	0	%100
102	MP4B	Z	4.088	4.088	0	%100
103	M98	X	-5.79	-5.79	0	%100
104	M98	Z	3.343	3.343	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
105	M99	X	-5.79	-5.79	0	%100
106	M99	Z	3.343	3.343	0	%100
107	M104	X	-2.143	-2.143	0	%100
108	M104	Z	1.237	1.237	0	%100
109	M111	X	-8.571	-8.571	0	%100
110	M111	Z	4.948	4.948	0	%100
111	M118	X	-2.143	-2.143	0	%100
112	M118	Z	1.237	1.237	0	%100
113	M121	X	-11.214	-11.214	0	%100
114	M121	Z	6.475	6.475	0	%100
115	M122	X	-2.804	-2.804	0	%100
116	M122	Z	1.619	1.619	0	%100
117	M123	X	-2.804	-2.804	0	%100
118	M123	Z	1.619	1.619	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-3.102	-3.102	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M5	X	0	0	0	%100
8	M5	Z	0	0	0	%100
9	MP1A	X	-8.175	-8.175	0	%100
10	MP1A	Z	0	0	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	0	0	0	%100
13	M11	X	-16.351	-16.351	0	%100
14	M11	Z	0	0	0	%100
15	M13	X	-16.351	-16.351	0	%100
16	M13	Z	0	0	0	%100
17	M15	X	-16.351	-16.351	0	%100
18	M15	Z	0	0	0	%100
19	M17	X	-16.351	-16.351	0	%100
20	M17	Z	0	0	0	%100
21	M19	X	-15.49	-15.49	0	%100
22	M19	Z	0	0	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	0	0	0	%100
25	M21	X	-15.49	-15.49	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	-12.223	-12.223	0	%100
28	M22	Z	0	0	0	%100
29	M23	X	-3.056	-3.056	0	%100
30	M23	Z	0	0	0	%100
31	M24	X	-3.056	-3.056	0	%100
32	M24	Z	0	0	0	%100
33	M25	X	-3.102	-3.102	0	%100
34	M25	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
35	M26	X	0	0	0	%100
36	M26	Z	0	0	0	%100
37	M30	X	-7.773	-7.773	0	%100
38	M30	Z	0	0	0	%100
39	M33	X	-7.773	-7.773	0	%100
40	M33	Z	0	0	0	%100
41	M38	X	-.002	-.002	0	%100
42	M38	Z	0	0	0	%100
43	M41	X	-.002	-.002	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	-7.555	-7.555	0	%100
46	M42	Z	0	0	0	%100
47	M43	X	-15.49	-15.49	0	%100
48	M43	Z	0	0	0	%100
49	M45	X	-20.341	-20.341	0	%100
50	M45	Z	0	0	0	%100
51	M46	X	-15.49	-15.49	0	%100
52	M46	Z	0	0	0	%100
53	M48	X	-7.773	-7.773	0	%100
54	M48	Z	0	0	0	%100
55	M50	X	0	0	0	%100
56	M50	Z	0	0	0	%100
57	M54	X	-8.47	-8.47	0	%100
58	M54	Z	0	0	0	%100
59	M57	X	-8.739	-8.739	0	%100
60	M57	Z	0	0	0	%100
61	M58	X	-20.341	-20.341	0	%100
62	M58	Z	0	0	0	%100
63	M59	X	-15.49	-15.49	0	%100
64	M59	Z	0	0	0	%100
65	M61	X	-7.555	-7.555	0	%100
66	M61	Z	0	0	0	%100
67	M62	X	-15.49	-15.49	0	%100
68	M62	Z	0	0	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	0	0	0	%100
71	M66	X	-7.773	-7.773	0	%100
72	M66	Z	0	0	0	%100
73	M70	X	-8.739	-8.739	0	%100
74	M70	Z	0	0	0	%100
75	M73	X	-8.47	-8.47	0	%100
76	M73	Z	0	0	0	%100
77	MP2A	X	-9.896	-9.896	0	%100
78	MP2A	Z	0	0	0	%100
79	MP3A	X	-9.896	-9.896	0	%100
80	MP3A	Z	0	0	0	%100
81	MP4A	X	-8.175	-8.175	0	%100
82	MP4A	Z	0	0	0	%100
83	M80	X	-9.036	-9.036	0	%100
84	M80	Z	0	0	0	%100
85	MP1C	X	-8.175	-8.175	0	%100
86	MP1C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
87	MP2C	X	-9.896	-9.896	0	%100
88	MP2C	Z	0	0	0	%100
89	MP3C	X	-9.896	-9.896	0	%100
90	MP3C	Z	0	0	0	%100
91	MP4C	X	-8.175	-8.175	0	%100
92	MP4C	Z	0	0	0	%100
93	M89	X	-9.036	-9.036	0	%100
94	M89	Z	0	0	0	%100
95	MP1B	X	-8.175	-8.175	0	%100
96	MP1B	Z	0	0	0	%100
97	MP2B	X	-9.896	-9.896	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	-9.896	-9.896	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	-8.175	-8.175	0	%100
102	MP4B	Z	0	0	0	%100
103	M98	X	-6.685	-6.685	0	%100
104	M98	Z	0	0	0	%100
105	M99	X	-6.685	-6.685	0	%100
106	M99	Z	0	0	0	%100
107	M104	X	0	0	0	%100
108	M104	Z	0	0	0	%100
109	M111	X	-7.422	-7.422	0	%100
110	M111	Z	0	0	0	%100
111	M118	X	-7.422	-7.422	0	%100
112	M118	Z	0	0	0	%100
113	M121	X	-9.712	-9.712	0	%100
114	M121	Z	0	0	0	%100
115	M122	X	-9.712	-9.712	0	%100
116	M122	Z	0	0	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.608	-2.608	0	%100
2	M1	Z	-1.506	-1.506	0	%100
3	M2	X	-11.354	-11.354	0	%100
4	M2	Z	-6.555	-6.555	0	%100
5	M3	X	-4.472	-4.472	0	%100
6	M3	Z	-2.582	-2.582	0	%100
7	M5	X	-4.72	-4.72	0	%100
8	M5	Z	-2.725	-2.725	0	%100
9	MP1A	X	-7.08	-7.08	0	%100
10	MP1A	Z	-4.088	-4.088	0	%100
11	M9	X	-4.72	-4.72	0	%100
12	M9	Z	-2.725	-2.725	0	%100
13	M11	X	-4.72	-4.72	0	%100
14	M11	Z	-2.725	-2.725	0	%100
15	M13	X	-4.72	-4.72	0	%100
16	M13	Z	-2.725	-2.725	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	M15	X	-18.88	-18.88	0	%100
18	M15	Z	-10.9	-10.9	0	%100
19	M17	X	-18.88	-18.88	0	%100
20	M17	Z	-10.9	-10.9	0	%100
21	M19	X	-4.472	-4.472	0	%100
22	M19	Z	-2.582	-2.582	0	%100
23	M20	X	-4.472	-4.472	0	%100
24	M20	Z	-2.582	-2.582	0	%100
25	M21	X	-17.886	-17.886	0	%100
26	M21	Z	-10.327	-10.327	0	%100
27	M22	X	-7.939	-7.939	0	%100
28	M22	Z	-4.584	-4.584	0	%100
29	M23	X	-7.939	-7.939	0	%100
30	M23	Z	-4.584	-4.584	0	%100
31	M24	X	0	0	0	%100
32	M24	Z	0	0	0	%100
33	M25	X	-.281	-.281	0	%100
34	M25	Z	-.162	-.162	0	%100
35	M26	X	-4.472	-4.472	0	%100
36	M26	Z	-2.582	-2.582	0	%100
37	M30	X	-2.244	-2.244	0	%100
38	M30	Z	-1.296	-1.296	0	%100
39	M33	X	-8.976	-8.976	0	%100
40	M33	Z	-5.182	-5.182	0	%100
41	M38	X	-2.601	-2.601	0	%100
42	M38	Z	-1.502	-1.502	0	%100
43	M41	X	-2.369	-2.369	0	%100
44	M41	Z	-1.368	-1.368	0	%100
45	M42	X	-.281	-.281	0	%100
46	M42	Z	-.162	-.162	0	%100
47	M43	X	-4.472	-4.472	0	%100
48	M43	Z	-2.582	-2.582	0	%100
49	M45	X	-11.354	-11.354	0	%100
50	M45	Z	-6.555	-6.555	0	%100
51	M46	X	-4.472	-4.472	0	%100
52	M46	Z	-2.582	-2.582	0	%100
53	M48	X	-8.976	-8.976	0	%100
54	M48	Z	-5.182	-5.182	0	%100
55	M50	X	-2.244	-2.244	0	%100
56	M50	Z	-1.296	-1.296	0	%100
57	M54	X	-2.369	-2.369	0	%100
58	M54	Z	-1.368	-1.368	0	%100
59	M57	X	-2.601	-2.601	0	%100
60	M57	Z	-1.502	-1.502	0	%100
61	M58	X	-15.21	-15.21	0	%100
62	M58	Z	-8.782	-8.782	0	%100
63	M59	X	-17.886	-17.886	0	%100
64	M59	Z	-10.327	-10.327	0	%100
65	M61	X	-15.21	-15.21	0	%100
66	M61	Z	-8.782	-8.782	0	%100
67	M62	X	-17.886	-17.886	0	%100
68	M62	Z	-10.327	-10.327	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
69	M64	X	-2.244	-2.244	0	%100
70	M64	Z	-1.296	-1.296	0	%100
71	M66	X	-2.244	-2.244	0	%100
72	M66	Z	-1.296	-1.296	0	%100
73	M70	X	-9.935	-9.935	0	%100
74	M70	Z	-5.736	-5.736	0	%100
75	M73	X	-9.935	-9.935	0	%100
76	M73	Z	-5.736	-5.736	0	%100
77	MP2A	X	-8.571	-8.571	0	%100
78	MP2A	Z	-4.948	-4.948	0	%100
79	MP3A	X	-8.571	-8.571	0	%100
80	MP3A	Z	-4.948	-4.948	0	%100
81	MP4A	X	-7.08	-7.08	0	%100
82	MP4A	Z	-4.088	-4.088	0	%100
83	M80	X	-2.608	-2.608	0	%100
84	M80	Z	-1.506	-1.506	0	%100
85	MP1C	X	-7.08	-7.08	0	%100
86	MP1C	Z	-4.088	-4.088	0	%100
87	MP2C	X	-8.571	-8.571	0	%100
88	MP2C	Z	-4.948	-4.948	0	%100
89	MP3C	X	-8.571	-8.571	0	%100
90	MP3C	Z	-4.948	-4.948	0	%100
91	MP4C	X	-7.08	-7.08	0	%100
92	MP4C	Z	-4.088	-4.088	0	%100
93	M89	X	-10.434	-10.434	0	%100
94	M89	Z	-6.024	-6.024	0	%100
95	MP1B	X	-7.08	-7.08	0	%100
96	MP1B	Z	-4.088	-4.088	0	%100
97	MP2B	X	-8.571	-8.571	0	%100
98	MP2B	Z	-4.948	-4.948	0	%100
99	MP3B	X	-8.571	-8.571	0	%100
100	MP3B	Z	-4.948	-4.948	0	%100
101	MP4B	X	-7.08	-7.08	0	%100
102	MP4B	Z	-4.088	-4.088	0	%100
103	M98	X	-5.79	-5.79	0	%100
104	M98	Z	-3.343	-3.343	0	%100
105	M99	X	-5.79	-5.79	0	%100
106	M99	Z	-3.343	-3.343	0	%100
107	M104	X	-2.143	-2.143	0	%100
108	M104	Z	-1.237	-1.237	0	%100
109	M111	X	-2.143	-2.143	0	%100
110	M111	Z	-1.237	-1.237	0	%100
111	M118	X	-8.571	-8.571	0	%100
112	M118	Z	-4.948	-4.948	0	%100
113	M121	X	-2.804	-2.804	0	%100
114	M121	Z	-1.619	-1.619	0	%100
115	M122	X	-11.214	-11.214	0	%100
116	M122	Z	-6.475	-6.475	0	%100
117	M123	X	-2.804	-2.804	0	%100
118	M123	Z	-1.619	-1.619	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-4.518	-4.518	0	%100
2	M1	Z	-7.825	-7.825	0	%100
3	M2	X	-10.17	-10.17	0	%100
4	M2	Z	-17.615	-17.615	0	%100
5	M3	X	-7.745	-7.745	0	%100
6	M3	Z	-13.415	-13.415	0	%100
7	M5	X	-8.175	-8.175	0	%100
8	M5	Z	-14.16	-14.16	0	%100
9	MP1A	X	-4.088	-4.088	0	%100
10	MP1A	Z	-7.08	-7.08	0	%100
11	M9	X	-8.175	-8.175	0	%100
12	M9	Z	-14.16	-14.16	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	0	0	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	0	0	0	%100
17	M15	X	-8.175	-8.175	0	%100
18	M15	Z	-14.16	-14.16	0	%100
19	M17	X	-8.175	-8.175	0	%100
20	M17	Z	-14.16	-14.16	0	%100
21	M19	X	0	0	0	%100
22	M19	Z	0	0	0	%100
23	M20	X	-7.745	-7.745	0	%100
24	M20	Z	-13.415	-13.415	0	%100
25	M21	X	-7.745	-7.745	0	%100
26	M21	Z	-13.415	-13.415	0	%100
27	M22	X	-1.528	-1.528	0	%100
28	M22	Z	-2.646	-2.646	0	%100
29	M23	X	-6.112	-6.112	0	%100
30	M23	Z	-10.586	-10.586	0	%100
31	M24	X	-1.528	-1.528	0	%100
32	M24	Z	-2.646	-2.646	0	%100
33	M25	X	-3.778	-3.778	0	%100
34	M25	Z	-6.543	-6.543	0	%100
35	M26	X	-7.745	-7.745	0	%100
36	M26	Z	-13.415	-13.415	0	%100
37	M30	X	0	0	0	%100
38	M30	Z	0	0	0	%100
39	M33	X	-3.887	-3.887	0	%100
40	M33	Z	-6.732	-6.732	0	%100
41	M38	X	-4.369	-4.369	0	%100
42	M38	Z	-7.568	-7.568	0	%100
43	M41	X	-4.235	-4.235	0	%100
44	M41	Z	-7.335	-7.335	0	%100
45	M42	X	-1.551	-1.551	0	%100
46	M42	Z	-2.687	-2.687	0	%100
47	M43	X	0	0	0	%100
48	M43	Z	0	0	0	%100
49	M45	X	-1.551	-1.551	0	%100
50	M45	Z	-2.687	-2.687	0	%100
51	M46	X	0	0	0	%100
52	M46	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	M48	X	-3.887	-3.887	0	%100
54	M48	Z	-6.732	-6.732	0	%100
55	M50	X	-3.887	-3.887	0	%100
56	M50	Z	-6.732	-6.732	0	%100
57	M54	X	-.001	-.001	0	%100
58	M54	Z	-.002	-.002	0	%100
59	M57	X	-.001	-.001	0	%100
60	M57	Z	-.002	-.002	0	%100
61	M58	X	-3.778	-3.778	0	%100
62	M58	Z	-6.543	-6.543	0	%100
63	M59	X	-7.745	-7.745	0	%100
64	M59	Z	-13.415	-13.415	0	%100
65	M61	X	-10.17	-10.17	0	%100
66	M61	Z	-17.615	-17.615	0	%100
67	M62	X	-7.745	-7.745	0	%100
68	M62	Z	-13.415	-13.415	0	%100
69	M64	X	-3.887	-3.887	0	%100
70	M64	Z	-6.732	-6.732	0	%100
71	M66	X	0	0	0	%100
72	M66	Z	0	0	0	%100
73	M70	X	-4.235	-4.235	0	%100
74	M70	Z	-7.335	-7.335	0	%100
75	M73	X	-4.369	-4.369	0	%100
76	M73	Z	-7.568	-7.568	0	%100
77	MP2A	X	-4.948	-4.948	0	%100
78	MP2A	Z	-8.571	-8.571	0	%100
79	MP3A	X	-4.948	-4.948	0	%100
80	MP3A	Z	-8.571	-8.571	0	%100
81	MP4A	X	-4.088	-4.088	0	%100
82	MP4A	Z	-7.08	-7.08	0	%100
83	M80	X	0	0	0	%100
84	M80	Z	0	0	0	%100
85	MP1C	X	-4.088	-4.088	0	%100
86	MP1C	Z	-7.08	-7.08	0	%100
87	MP2C	X	-4.948	-4.948	0	%100
88	MP2C	Z	-8.571	-8.571	0	%100
89	MP3C	X	-4.948	-4.948	0	%100
90	MP3C	Z	-8.571	-8.571	0	%100
91	MP4C	X	-4.088	-4.088	0	%100
92	MP4C	Z	-7.08	-7.08	0	%100
93	M89	X	-4.518	-4.518	0	%100
94	M89	Z	-7.825	-7.825	0	%100
95	MP1B	X	-4.088	-4.088	0	%100
96	MP1B	Z	-7.08	-7.08	0	%100
97	MP2B	X	-4.948	-4.948	0	%100
98	MP2B	Z	-8.571	-8.571	0	%100
99	MP3B	X	-4.948	-4.948	0	%100
100	MP3B	Z	-8.571	-8.571	0	%100
101	MP4B	X	-4.088	-4.088	0	%100
102	MP4B	Z	-7.08	-7.08	0	%100
103	M98	X	-3.343	-3.343	0	%100
104	M98	Z	-5.79	-5.79	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
105	M99	X	-3.343	-3.343	0	%100
106	M99	Z	-5.79	-5.79	0	%100
107	M104	X	-3.711	-3.711	0	%100
108	M104	Z	-6.428	-6.428	0	%100
109	M111	X	0	0	0	%100
110	M111	Z	0	0	0	%100
111	M118	X	-3.711	-3.711	0	%100
112	M118	Z	-6.428	-6.428	0	%100
113	M121	X	0	0	0	%100
114	M121	Z	0	0	0	%100
115	M122	X	-4.856	-4.856	0	%100
116	M122	Z	-8.411	-8.411	0	%100
117	M123	X	-4.856	-4.856	0	%100
118	M123	Z	-8.411	-8.411	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-3.483	-3.483	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-3.739	-3.739	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-4.397	-4.397	0	%100
7	M5	X	0	0	0	%100
8	M5	Z	-4.597	-4.597	0	%100
9	MP1A	X	0	0	0	%100
10	MP1A	Z	-2.811	-2.811	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	-4.597	-4.597	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	-1.149	-1.149	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	-1.149	-1.149	0	%100
17	M15	X	0	0	0	%100
18	M15	Z	-1.149	-1.149	0	%100
19	M17	X	0	0	0	%100
20	M17	Z	-1.149	-1.149	0	%100
21	M19	X	0	0	0	%100
22	M19	Z	-1.118	-1.118	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	-4.474	-4.474	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	-1.118	-1.118	0	%100
27	M22	X	0	0	0	%100
28	M22	Z	0	0	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	-2.635	-2.635	0	%100
31	M24	X	0	0	0	%100
32	M24	Z	-2.635	-2.635	0	%100
33	M25	X	0	0	0	%100
34	M25	Z	-3.739	-3.739	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
35	M26	X	0	0	0	%100
36	M26	Z	-4.397	-4.397	0	%100
37	M30	X	0	0	0	%100
38	M30	Z	-.716	-.716	0	%100
39	M33	X	0	0	0	%100
40	M33	Z	-.716	-.716	0	%100
41	M38	X	0	0	0	%100
42	M38	Z	-3.294	-3.294	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	-3.294	-3.294	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	-2.791	-2.791	0	%100
47	M43	X	0	0	0	%100
48	M43	Z	-1.099	-1.099	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	-.069	-.069	0	%100
51	M46	X	0	0	0	%100
52	M46	Z	-1.099	-1.099	0	%100
53	M48	X	0	0	0	%100
54	M48	Z	-.716	-.716	0	%100
55	M50	X	0	0	0	%100
56	M50	Z	-2.864	-2.864	0	%100
57	M54	X	0	0	0	%100
58	M54	Z	-.863	-.863	0	%100
59	M57	X	0	0	0	%100
60	M57	Z	-.785	-.785	0	%100
61	M58	X	0	0	0	%100
62	M58	Z	-.069	-.069	0	%100
63	M59	X	0	0	0	%100
64	M59	Z	-1.099	-1.099	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	-2.791	-2.791	0	%100
67	M62	X	0	0	0	%100
68	M62	Z	-1.099	-1.099	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	-2.864	-2.864	0	%100
71	M66	X	0	0	0	%100
72	M66	Z	-.716	-.716	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	-.785	-.785	0	%100
75	M73	X	0	0	0	%100
76	M73	Z	-.863	-.863	0	%100
77	MP2A	X	0	0	0	%100
78	MP2A	Z	-3.11	-3.11	0	%100
79	MP3A	X	0	0	0	%100
80	MP3A	Z	-3.11	-3.11	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	-2.811	-2.811	0	%100
83	M80	X	0	0	0	%100
84	M80	Z	-.871	-.871	0	%100
85	MP1C	X	0	0	0	%100
86	MP1C	Z	-2.811	-2.811	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
87	MP2C	X	0	0	0	%100
88	MP2C	Z	-3.11	-3.11	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	-3.11	-3.11	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	-2.811	-2.811	0	%100
93	M89	X	0	0	0	%100
94	M89	Z	-.871	-.871	0	%100
95	MP1B	X	0	0	0	%100
96	MP1B	Z	-2.811	-2.811	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-3.11	-3.11	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	-3.11	-3.11	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	-2.811	-2.811	0	%100
103	M98	X	0	0	0	%100
104	M98	Z	-2.306	-2.306	0	%100
105	M99	X	0	0	0	%100
106	M99	Z	-2.306	-2.306	0	%100
107	M104	X	0	0	0	%100
108	M104	Z	-3.11	-3.11	0	%100
109	M111	X	0	0	0	%100
110	M111	Z	-.777	-.777	0	%100
111	M118	X	0	0	0	%100
112	M118	Z	-.777	-.777	0	%100
113	M121	X	0	0	0	%100
114	M121	Z	-.833	-.833	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	-.833	-.833	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	-3.332	-3.332	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.306	1.306	0	%100
2	M1	Z	-2.262	-2.262	0	%100
3	M2	X	.804	.804	0	%100
4	M2	Z	-1.393	-1.393	0	%100
5	M3	X	1.649	1.649	0	%100
6	M3	Z	-2.856	-2.856	0	%100
7	M5	X	1.724	1.724	0	%100
8	M5	Z	-2.986	-2.986	0	%100
9	MP1A	X	1.405	1.405	0	%100
10	MP1A	Z	-2.434	-2.434	0	%100
11	M9	X	1.724	1.724	0	%100
12	M9	Z	-2.986	-2.986	0	%100
13	M11	X	1.724	1.724	0	%100
14	M11	Z	-2.986	-2.986	0	%100
15	M13	X	1.724	1.724	0	%100
16	M13	Z	-2.986	-2.986	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	M15	X	0	0	0	%100
18	M15	Z	0	0	0	%100
19	M17	X	0	0	0	%100
20	M17	Z	0	0	0	%100
21	M19	X	1.678	1.678	0	%100
22	M19	Z	-2.906	-2.906	0	%100
23	M20	X	1.678	1.678	0	%100
24	M20	Z	-2.906	-2.906	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	.439	.439	0	%100
28	M22	Z	-.761	-.761	0	%100
29	M23	X	.439	.439	0	%100
30	M23	Z	-.761	-.761	0	%100
31	M24	X	1.757	1.757	0	%100
32	M24	Z	-3.043	-3.043	0	%100
33	M25	X	2.165	2.165	0	%100
34	M25	Z	-3.75	-3.75	0	%100
35	M26	X	1.649	1.649	0	%100
36	M26	Z	-2.856	-2.856	0	%100
37	M30	X	1.074	1.074	0	%100
38	M30	Z	-1.86	-1.86	0	%100
39	M33	X	0	0	0	%100
40	M33	Z	0	0	0	%100
41	M38	X	1.216	1.216	0	%100
42	M38	Z	-2.106	-2.106	0	%100
43	M41	X	1.255	1.255	0	%100
44	M41	Z	-2.173	-2.173	0	%100
45	M42	X	2.165	2.165	0	%100
46	M42	Z	-3.75	-3.75	0	%100
47	M43	X	1.649	1.649	0	%100
48	M43	Z	-2.856	-2.856	0	%100
49	M45	X	.804	.804	0	%100
50	M45	Z	-1.393	-1.393	0	%100
51	M46	X	1.649	1.649	0	%100
52	M46	Z	-2.856	-2.856	0	%100
53	M48	X	0	0	0	%100
54	M48	Z	0	0	0	%100
55	M50	X	1.074	1.074	0	%100
56	M50	Z	-1.86	-1.86	0	%100
57	M54	X	1.255	1.255	0	%100
58	M54	Z	-2.173	-2.173	0	%100
59	M57	X	1.216	1.216	0	%100
60	M57	Z	-2.106	-2.106	0	%100
61	M58	X	.33	.33	0	%100
62	M58	Z	-.572	-.572	0	%100
63	M59	X	0	0	0	%100
64	M59	Z	0	0	0	%100
65	M61	X	.33	.33	0	%100
66	M61	Z	-.572	-.572	0	%100
67	M62	X	0	0	0	%100
68	M62	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
69	M64	X	1.074	1.074	0	%100
70	M64	Z	-1.86	-1.86	0	%100
71	M66	X	1.074	1.074	0	%100
72	M66	Z	-1.86	-1.86	0	%100
73	M70	X	.000301	.000301	0	%100
74	M70	Z	-.000522	-.000522	0	%100
75	M73	X	.000301	.000301	0	%100
76	M73	Z	-.000522	-.000522	0	%100
77	MP2A	X	1.555	1.555	0	%100
78	MP2A	Z	-2.693	-2.693	0	%100
79	MP3A	X	1.555	1.555	0	%100
80	MP3A	Z	-2.693	-2.693	0	%100
81	MP4A	X	1.405	1.405	0	%100
82	MP4A	Z	-2.434	-2.434	0	%100
83	M80	X	1.306	1.306	0	%100
84	M80	Z	-2.262	-2.262	0	%100
85	MP1C	X	1.405	1.405	0	%100
86	MP1C	Z	-2.434	-2.434	0	%100
87	MP2C	X	1.555	1.555	0	%100
88	MP2C	Z	-2.693	-2.693	0	%100
89	MP3C	X	1.555	1.555	0	%100
90	MP3C	Z	-2.693	-2.693	0	%100
91	MP4C	X	1.405	1.405	0	%100
92	MP4C	Z	-2.434	-2.434	0	%100
93	M89	X	0	0	0	%100
94	M89	Z	0	0	0	%100
95	MP1B	X	1.405	1.405	0	%100
96	MP1B	Z	-2.434	-2.434	0	%100
97	MP2B	X	1.555	1.555	0	%100
98	MP2B	Z	-2.693	-2.693	0	%100
99	MP3B	X	1.555	1.555	0	%100
100	MP3B	Z	-2.693	-2.693	0	%100
101	MP4B	X	1.405	1.405	0	%100
102	MP4B	Z	-2.434	-2.434	0	%100
103	M98	X	1.153	1.153	0	%100
104	M98	Z	-1.997	-1.997	0	%100
105	M99	X	1.153	1.153	0	%100
106	M99	Z	-1.997	-1.997	0	%100
107	M104	X	1.166	1.166	0	%100
108	M104	Z	-2.02	-2.02	0	%100
109	M111	X	1.166	1.166	0	%100
110	M111	Z	-2.02	-2.02	0	%100
111	M118	X	0	0	0	%100
112	M118	Z	0	0	0	%100
113	M121	X	1.25	1.25	0	%100
114	M121	Z	-2.164	-2.164	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	0	0	0	%100
117	M123	X	1.25	1.25	0	%100
118	M123	Z	-2.164	-2.164	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.754	.754	0	%100
2	M1	Z	-.435	-.435	0	%100
3	M2	X	.06	.06	0	%100
4	M2	Z	-.035	-.035	0	%100
5	M3	X	.952	.952	0	%100
6	M3	Z	-.55	-.55	0	%100
7	M5	X	.995	.995	0	%100
8	M5	Z	-.575	-.575	0	%100
9	MP1A	X	2.434	2.434	0	%100
10	MP1A	Z	-1.405	-1.405	0	%100
11	M9	X	.995	.995	0	%100
12	M9	Z	-.575	-.575	0	%100
13	M11	X	3.981	3.981	0	%100
14	M11	Z	-2.298	-2.298	0	%100
15	M13	X	3.981	3.981	0	%100
16	M13	Z	-2.298	-2.298	0	%100
17	M15	X	.995	.995	0	%100
18	M15	Z	-.575	-.575	0	%100
19	M17	X	.995	.995	0	%100
20	M17	Z	-.575	-.575	0	%100
21	M19	X	3.874	3.874	0	%100
22	M19	Z	-2.237	-2.237	0	%100
23	M20	X	.969	.969	0	%100
24	M20	Z	-.559	-.559	0	%100
25	M21	X	.969	.969	0	%100
26	M21	Z	-.559	-.559	0	%100
27	M22	X	2.282	2.282	0	%100
28	M22	Z	-1.318	-1.318	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	0	0	0	%100
31	M24	X	2.282	2.282	0	%100
32	M24	Z	-1.318	-1.318	0	%100
33	M25	X	2.417	2.417	0	%100
34	M25	Z	-1.396	-1.396	0	%100
35	M26	X	.952	.952	0	%100
36	M26	Z	-.55	-.55	0	%100
37	M30	X	2.48	2.48	0	%100
38	M30	Z	-1.432	-1.432	0	%100
39	M33	X	.62	.62	0	%100
40	M33	Z	-.358	-.358	0	%100
41	M38	X	.68	.68	0	%100
42	M38	Z	-.393	-.393	0	%100
43	M41	X	.747	.747	0	%100
44	M41	Z	-.431	-.431	0	%100
45	M42	X	3.238	3.238	0	%100
46	M42	Z	-1.87	-1.87	0	%100
47	M43	X	3.808	3.808	0	%100
48	M43	Z	-2.199	-2.199	0	%100
49	M45	X	3.238	3.238	0	%100
50	M45	Z	-1.87	-1.87	0	%100
51	M46	X	3.808	3.808	0	%100
52	M46	Z	-2.199	-2.199	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	M48	X	.62	.62	0	%100
54	M48	Z	-.358	-.358	0	%100
55	M50	X	.62	.62	0	%100
56	M50	Z	-.358	-.358	0	%100
57	M54	X	2.853	2.853	0	%100
58	M54	Z	-1.647	-1.647	0	%100
59	M57	X	2.853	2.853	0	%100
60	M57	Z	-1.647	-1.647	0	%100
61	M58	X	2.417	2.417	0	%100
62	M58	Z	-1.396	-1.396	0	%100
63	M59	X	.952	.952	0	%100
64	M59	Z	-.55	-.55	0	%100
65	M61	X	.06	.06	0	%100
66	M61	Z	-.035	-.035	0	%100
67	M62	X	.952	.952	0	%100
68	M62	Z	-.55	-.55	0	%100
69	M64	X	.62	.62	0	%100
70	M64	Z	-.358	-.358	0	%100
71	M66	X	2.48	2.48	0	%100
72	M66	Z	-1.432	-1.432	0	%100
73	M70	X	.747	.747	0	%100
74	M70	Z	-.431	-.431	0	%100
75	M73	X	.68	.68	0	%100
76	M73	Z	-.393	-.393	0	%100
77	MP2A	X	2.693	2.693	0	%100
78	MP2A	Z	-1.555	-1.555	0	%100
79	MP3A	X	2.693	2.693	0	%100
80	MP3A	Z	-1.555	-1.555	0	%100
81	MP4A	X	2.434	2.434	0	%100
82	MP4A	Z	-1.405	-1.405	0	%100
83	M80	X	3.017	3.017	0	%100
84	M80	Z	-1.742	-1.742	0	%100
85	MP1C	X	2.434	2.434	0	%100
86	MP1C	Z	-1.405	-1.405	0	%100
87	MP2C	X	2.693	2.693	0	%100
88	MP2C	Z	-1.555	-1.555	0	%100
89	MP3C	X	2.693	2.693	0	%100
90	MP3C	Z	-1.555	-1.555	0	%100
91	MP4C	X	2.434	2.434	0	%100
92	MP4C	Z	-1.405	-1.405	0	%100
93	M89	X	.754	.754	0	%100
94	M89	Z	-.435	-.435	0	%100
95	MP1B	X	2.434	2.434	0	%100
96	MP1B	Z	-1.405	-1.405	0	%100
97	MP2B	X	2.693	2.693	0	%100
98	MP2B	Z	-1.555	-1.555	0	%100
99	MP3B	X	2.693	2.693	0	%100
100	MP3B	Z	-1.555	-1.555	0	%100
101	MP4B	X	2.434	2.434	0	%100
102	MP4B	Z	-1.405	-1.405	0	%100
103	M98	X	1.997	1.997	0	%100
104	M98	Z	-1.153	-1.153	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
105	M99	X	1.997	1.997	0	%100
106	M99	Z	-1.153	-1.153	0	%100
107	M104	X	.673	.673	0	%100
108	M104	Z	-.389	-.389	0	%100
109	M111	X	2.693	2.693	0	%100
110	M111	Z	-1.555	-1.555	0	%100
111	M118	X	.673	.673	0	%100
112	M118	Z	-.389	-.389	0	%100
113	M121	X	2.886	2.886	0	%100
114	M121	Z	-1.666	-1.666	0	%100
115	M122	X	.721	.721	0	%100
116	M122	Z	-.417	-.417	0	%100
117	M123	X	.721	.721	0	%100
118	M123	Z	-.417	-.417	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	.66	.66	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M5	X	0	0	0	%100
8	M5	Z	0	0	0	%100
9	MP1A	X	2.811	2.811	0	%100
10	MP1A	Z	0	0	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	0	0	0	%100
13	M11	X	3.447	3.447	0	%100
14	M11	Z	0	0	0	%100
15	M13	X	3.447	3.447	0	%100
16	M13	Z	0	0	0	%100
17	M15	X	3.447	3.447	0	%100
18	M15	Z	0	0	0	%100
19	M17	X	3.447	3.447	0	%100
20	M17	Z	0	0	0	%100
21	M19	X	3.355	3.355	0	%100
22	M19	Z	0	0	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	0	0	0	%100
25	M21	X	3.355	3.355	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	3.514	3.514	0	%100
28	M22	Z	0	0	0	%100
29	M23	X	.878	.878	0	%100
30	M23	Z	0	0	0	%100
31	M24	X	.878	.878	0	%100
32	M24	Z	0	0	0	%100
33	M25	X	.66	.66	0	%100
34	M25	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
35	M26	X	0	0	0	%100
36	M26	Z	0	0	0	%100
37	M30	X	2.148	2.148	0	%100
38	M30	Z	0	0	0	%100
39	M33	X	2.148	2.148	0	%100
40	M33	Z	0	0	0	%100
41	M38	X	.000603	.000603	0	%100
42	M38	Z	0	0	0	%100
43	M41	X	.000603	.000603	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	1.608	1.608	0	%100
46	M42	Z	0	0	0	%100
47	M43	X	3.298	3.298	0	%100
48	M43	Z	0	0	0	%100
49	M45	X	4.33	4.33	0	%100
50	M45	Z	0	0	0	%100
51	M46	X	3.298	3.298	0	%100
52	M46	Z	0	0	0	%100
53	M48	X	2.148	2.148	0	%100
54	M48	Z	0	0	0	%100
55	M50	X	0	0	0	%100
56	M50	Z	0	0	0	%100
57	M54	X	2.432	2.432	0	%100
58	M54	Z	0	0	0	%100
59	M57	X	2.509	2.509	0	%100
60	M57	Z	0	0	0	%100
61	M58	X	4.33	4.33	0	%100
62	M58	Z	0	0	0	%100
63	M59	X	3.298	3.298	0	%100
64	M59	Z	0	0	0	%100
65	M61	X	1.608	1.608	0	%100
66	M61	Z	0	0	0	%100
67	M62	X	3.298	3.298	0	%100
68	M62	Z	0	0	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	0	0	0	%100
71	M66	X	2.148	2.148	0	%100
72	M66	Z	0	0	0	%100
73	M70	X	2.509	2.509	0	%100
74	M70	Z	0	0	0	%100
75	M73	X	2.432	2.432	0	%100
76	M73	Z	0	0	0	%100
77	MP2A	X	3.11	3.11	0	%100
78	MP2A	Z	0	0	0	%100
79	MP3A	X	3.11	3.11	0	%100
80	MP3A	Z	0	0	0	%100
81	MP4A	X	2.811	2.811	0	%100
82	MP4A	Z	0	0	0	%100
83	M80	X	2.612	2.612	0	%100
84	M80	Z	0	0	0	%100
85	MP1C	X	2.811	2.811	0	%100
86	MP1C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
87	MP2C	X	3.11	3.11	0	%100
88	MP2C	Z	0	0	0	%100
89	MP3C	X	3.11	3.11	0	%100
90	MP3C	Z	0	0	0	%100
91	MP4C	X	2.811	2.811	0	%100
92	MP4C	Z	0	0	0	%100
93	M89	X	2.612	2.612	0	%100
94	M89	Z	0	0	0	%100
95	MP1B	X	2.811	2.811	0	%100
96	MP1B	Z	0	0	0	%100
97	MP2B	X	3.11	3.11	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	3.11	3.11	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	2.811	2.811	0	%100
102	MP4B	Z	0	0	0	%100
103	M98	X	2.306	2.306	0	%100
104	M98	Z	0	0	0	%100
105	M99	X	2.306	2.306	0	%100
106	M99	Z	0	0	0	%100
107	M104	X	0	0	0	%100
108	M104	Z	0	0	0	%100
109	M111	X	2.332	2.332	0	%100
110	M111	Z	0	0	0	%100
111	M118	X	2.332	2.332	0	%100
112	M118	Z	0	0	0	%100
113	M121	X	2.499	2.499	0	%100
114	M121	Z	0	0	0	%100
115	M122	X	2.499	2.499	0	%100
116	M122	Z	0	0	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.754	.754	0	%100
2	M1	Z	.435	.435	0	%100
3	M2	X	2.417	2.417	0	%100
4	M2	Z	1.396	1.396	0	%100
5	M3	X	.952	.952	0	%100
6	M3	Z	.55	.55	0	%100
7	M5	X	.995	.995	0	%100
8	M5	Z	.575	.575	0	%100
9	MP1A	X	2.434	2.434	0	%100
10	MP1A	Z	1.405	1.405	0	%100
11	M9	X	.995	.995	0	%100
12	M9	Z	.575	.575	0	%100
13	M11	X	.995	.995	0	%100
14	M11	Z	.575	.575	0	%100
15	M13	X	.995	.995	0	%100
16	M13	Z	.575	.575	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	M15	X	3.981	3.981	0	%100
18	M15	Z	2.298	2.298	0	%100
19	M17	X	3.981	3.981	0	%100
20	M17	Z	2.298	2.298	0	%100
21	M19	X	.969	.969	0	%100
22	M19	Z	.559	.559	0	%100
23	M20	X	.969	.969	0	%100
24	M20	Z	.559	.559	0	%100
25	M21	X	3.874	3.874	0	%100
26	M21	Z	2.237	2.237	0	%100
27	M22	X	2.282	2.282	0	%100
28	M22	Z	1.318	1.318	0	%100
29	M23	X	2.282	2.282	0	%100
30	M23	Z	1.318	1.318	0	%100
31	M24	X	0	0	0	%100
32	M24	Z	0	0	0	%100
33	M25	X	.06	.06	0	%100
34	M25	Z	.035	.035	0	%100
35	M26	X	.952	.952	0	%100
36	M26	Z	.55	.55	0	%100
37	M30	X	.62	.62	0	%100
38	M30	Z	.358	.358	0	%100
39	M33	X	2.48	2.48	0	%100
40	M33	Z	1.432	1.432	0	%100
41	M38	X	.747	.747	0	%100
42	M38	Z	.431	.431	0	%100
43	M41	X	.68	.68	0	%100
44	M41	Z	.393	.393	0	%100
45	M42	X	.06	.06	0	%100
46	M42	Z	.035	.035	0	%100
47	M43	X	.952	.952	0	%100
48	M43	Z	.55	.55	0	%100
49	M45	X	2.417	2.417	0	%100
50	M45	Z	1.396	1.396	0	%100
51	M46	X	.952	.952	0	%100
52	M46	Z	.55	.55	0	%100
53	M48	X	2.48	2.48	0	%100
54	M48	Z	1.432	1.432	0	%100
55	M50	X	.62	.62	0	%100
56	M50	Z	.358	.358	0	%100
57	M54	X	.68	.68	0	%100
58	M54	Z	.393	.393	0	%100
59	M57	X	.747	.747	0	%100
60	M57	Z	.431	.431	0	%100
61	M58	X	3.238	3.238	0	%100
62	M58	Z	1.87	1.87	0	%100
63	M59	X	3.808	3.808	0	%100
64	M59	Z	2.199	2.199	0	%100
65	M61	X	3.238	3.238	0	%100
66	M61	Z	1.87	1.87	0	%100
67	M62	X	3.808	3.808	0	%100
68	M62	Z	2.199	2.199	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
69	M64	X	.62	.62	0	%100
70	M64	Z	.358	.358	0	%100
71	M66	X	.62	.62	0	%100
72	M66	Z	.358	.358	0	%100
73	M70	X	2.853	2.853	0	%100
74	M70	Z	1.647	1.647	0	%100
75	M73	X	2.853	2.853	0	%100
76	M73	Z	1.647	1.647	0	%100
77	MP2A	X	2.693	2.693	0	%100
78	MP2A	Z	1.555	1.555	0	%100
79	MP3A	X	2.693	2.693	0	%100
80	MP3A	Z	1.555	1.555	0	%100
81	MP4A	X	2.434	2.434	0	%100
82	MP4A	Z	1.405	1.405	0	%100
83	M80	X	.754	.754	0	%100
84	M80	Z	.435	.435	0	%100
85	MP1C	X	2.434	2.434	0	%100
86	MP1C	Z	1.405	1.405	0	%100
87	MP2C	X	2.693	2.693	0	%100
88	MP2C	Z	1.555	1.555	0	%100
89	MP3C	X	2.693	2.693	0	%100
90	MP3C	Z	1.555	1.555	0	%100
91	MP4C	X	2.434	2.434	0	%100
92	MP4C	Z	1.405	1.405	0	%100
93	M89	X	3.017	3.017	0	%100
94	M89	Z	1.742	1.742	0	%100
95	MP1B	X	2.434	2.434	0	%100
96	MP1B	Z	1.405	1.405	0	%100
97	MP2B	X	2.693	2.693	0	%100
98	MP2B	Z	1.555	1.555	0	%100
99	MP3B	X	2.693	2.693	0	%100
100	MP3B	Z	1.555	1.555	0	%100
101	MP4B	X	2.434	2.434	0	%100
102	MP4B	Z	1.405	1.405	0	%100
103	M98	X	1.997	1.997	0	%100
104	M98	Z	1.153	1.153	0	%100
105	M99	X	1.997	1.997	0	%100
106	M99	Z	1.153	1.153	0	%100
107	M104	X	.673	.673	0	%100
108	M104	Z	.389	.389	0	%100
109	M111	X	.673	.673	0	%100
110	M111	Z	.389	.389	0	%100
111	M118	X	2.693	2.693	0	%100
112	M118	Z	1.555	1.555	0	%100
113	M121	X	.721	.721	0	%100
114	M121	Z	.417	.417	0	%100
115	M122	X	2.886	2.886	0	%100
116	M122	Z	1.666	1.666	0	%100
117	M123	X	.721	.721	0	%100
118	M123	Z	.417	.417	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.306	1.306	0	%100
2	M1	Z	2.262	2.262	0	%100
3	M2	X	2.165	2.165	0	%100
4	M2	Z	3.75	3.75	0	%100
5	M3	X	1.649	1.649	0	%100
6	M3	Z	2.856	2.856	0	%100
7	M5	X	1.724	1.724	0	%100
8	M5	Z	2.986	2.986	0	%100
9	MP1A	X	1.405	1.405	0	%100
10	MP1A	Z	2.434	2.434	0	%100
11	M9	X	1.724	1.724	0	%100
12	M9	Z	2.986	2.986	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	0	0	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	0	0	0	%100
17	M15	X	1.724	1.724	0	%100
18	M15	Z	2.986	2.986	0	%100
19	M17	X	1.724	1.724	0	%100
20	M17	Z	2.986	2.986	0	%100
21	M19	X	0	0	0	%100
22	M19	Z	0	0	0	%100
23	M20	X	1.678	1.678	0	%100
24	M20	Z	2.906	2.906	0	%100
25	M21	X	1.678	1.678	0	%100
26	M21	Z	2.906	2.906	0	%100
27	M22	X	.439	.439	0	%100
28	M22	Z	.761	.761	0	%100
29	M23	X	1.757	1.757	0	%100
30	M23	Z	3.043	3.043	0	%100
31	M24	X	.439	.439	0	%100
32	M24	Z	.761	.761	0	%100
33	M25	X	.804	.804	0	%100
34	M25	Z	1.393	1.393	0	%100
35	M26	X	1.649	1.649	0	%100
36	M26	Z	2.856	2.856	0	%100
37	M30	X	0	0	0	%100
38	M30	Z	0	0	0	%100
39	M33	X	1.074	1.074	0	%100
40	M33	Z	1.86	1.86	0	%100
41	M38	X	1.255	1.255	0	%100
42	M38	Z	2.173	2.173	0	%100
43	M41	X	1.216	1.216	0	%100
44	M41	Z	2.106	2.106	0	%100
45	M42	X	.33	.33	0	%100
46	M42	Z	.572	.572	0	%100
47	M43	X	0	0	0	%100
48	M43	Z	0	0	0	%100
49	M45	X	.33	.33	0	%100
50	M45	Z	.572	.572	0	%100
51	M46	X	0	0	0	%100
52	M46	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	M48	X	1.074	1.074	0	%100
54	M48	Z	1.86	1.86	0	%100
55	M50	X	1.074	1.074	0	%100
56	M50	Z	1.86	1.86	0	%100
57	M54	X	.000301	.000301	0	%100
58	M54	Z	.000522	.000522	0	%100
59	M57	X	.000301	.000301	0	%100
60	M57	Z	.000522	.000522	0	%100
61	M58	X	.804	.804	0	%100
62	M58	Z	1.393	1.393	0	%100
63	M59	X	1.649	1.649	0	%100
64	M59	Z	2.856	2.856	0	%100
65	M61	X	2.165	2.165	0	%100
66	M61	Z	3.75	3.75	0	%100
67	M62	X	1.649	1.649	0	%100
68	M62	Z	2.856	2.856	0	%100
69	M64	X	1.074	1.074	0	%100
70	M64	Z	1.86	1.86	0	%100
71	M66	X	0	0	0	%100
72	M66	Z	0	0	0	%100
73	M70	X	1.216	1.216	0	%100
74	M70	Z	2.106	2.106	0	%100
75	M73	X	1.255	1.255	0	%100
76	M73	Z	2.173	2.173	0	%100
77	MP2A	X	1.555	1.555	0	%100
78	MP2A	Z	2.693	2.693	0	%100
79	MP3A	X	1.555	1.555	0	%100
80	MP3A	Z	2.693	2.693	0	%100
81	MP4A	X	1.405	1.405	0	%100
82	MP4A	Z	2.434	2.434	0	%100
83	M80	X	0	0	0	%100
84	M80	Z	0	0	0	%100
85	MP1C	X	1.405	1.405	0	%100
86	MP1C	Z	2.434	2.434	0	%100
87	MP2C	X	1.555	1.555	0	%100
88	MP2C	Z	2.693	2.693	0	%100
89	MP3C	X	1.555	1.555	0	%100
90	MP3C	Z	2.693	2.693	0	%100
91	MP4C	X	1.405	1.405	0	%100
92	MP4C	Z	2.434	2.434	0	%100
93	M89	X	1.306	1.306	0	%100
94	M89	Z	2.262	2.262	0	%100
95	MP1B	X	1.405	1.405	0	%100
96	MP1B	Z	2.434	2.434	0	%100
97	MP2B	X	1.555	1.555	0	%100
98	MP2B	Z	2.693	2.693	0	%100
99	MP3B	X	1.555	1.555	0	%100
100	MP3B	Z	2.693	2.693	0	%100
101	MP4B	X	1.405	1.405	0	%100
102	MP4B	Z	2.434	2.434	0	%100
103	M98	X	1.153	1.153	0	%100
104	M98	Z	1.997	1.997	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
105	M99	X	1.153	1.153	0	%100
106	M99	Z	1.997	1.997	0	%100
107	M104	X	1.166	1.166	0	%100
108	M104	Z	2.02	2.02	0	%100
109	M111	X	0	0	0	%100
110	M111	Z	0	0	0	%100
111	M118	X	1.166	1.166	0	%100
112	M118	Z	2.02	2.02	0	%100
113	M121	X	0	0	0	%100
114	M121	Z	0	0	0	%100
115	M122	X	1.25	1.25	0	%100
116	M122	Z	2.164	2.164	0	%100
117	M123	X	1.25	1.25	0	%100
118	M123	Z	2.164	2.164	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	3.483	3.483	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	3.739	3.739	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	4.397	4.397	0	%100
7	M5	X	0	0	0	%100
8	M5	Z	4.597	4.597	0	%100
9	MP1A	X	0	0	0	%100
10	MP1A	Z	2.811	2.811	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	4.597	4.597	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	1.149	1.149	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	1.149	1.149	0	%100
17	M15	X	0	0	0	%100
18	M15	Z	1.149	1.149	0	%100
19	M17	X	0	0	0	%100
20	M17	Z	1.149	1.149	0	%100
21	M19	X	0	0	0	%100
22	M19	Z	1.118	1.118	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	4.474	4.474	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	1.118	1.118	0	%100
27	M22	X	0	0	0	%100
28	M22	Z	0	0	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	2.635	2.635	0	%100
31	M24	X	0	0	0	%100
32	M24	Z	2.635	2.635	0	%100
33	M25	X	0	0	0	%100
34	M25	Z	3.739	3.739	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
35	M26	X	0	0	0	%100
36	M26	Z	4.397	4.397	0	%100
37	M30	X	0	0	0	%100
38	M30	Z	.716	.716	0	%100
39	M33	X	0	0	0	%100
40	M33	Z	.716	.716	0	%100
41	M38	X	0	0	0	%100
42	M38	Z	3.294	3.294	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	3.294	3.294	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	2.791	2.791	0	%100
47	M43	X	0	0	0	%100
48	M43	Z	1.099	1.099	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	.069	.069	0	%100
51	M46	X	0	0	0	%100
52	M46	Z	1.099	1.099	0	%100
53	M48	X	0	0	0	%100
54	M48	Z	.716	.716	0	%100
55	M50	X	0	0	0	%100
56	M50	Z	2.864	2.864	0	%100
57	M54	X	0	0	0	%100
58	M54	Z	.863	.863	0	%100
59	M57	X	0	0	0	%100
60	M57	Z	.785	.785	0	%100
61	M58	X	0	0	0	%100
62	M58	Z	.069	.069	0	%100
63	M59	X	0	0	0	%100
64	M59	Z	1.099	1.099	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	2.791	2.791	0	%100
67	M62	X	0	0	0	%100
68	M62	Z	1.099	1.099	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	2.864	2.864	0	%100
71	M66	X	0	0	0	%100
72	M66	Z	.716	.716	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	.785	.785	0	%100
75	M73	X	0	0	0	%100
76	M73	Z	.863	.863	0	%100
77	MP2A	X	0	0	0	%100
78	MP2A	Z	3.11	3.11	0	%100
79	MP3A	X	0	0	0	%100
80	MP3A	Z	3.11	3.11	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	2.811	2.811	0	%100
83	M80	X	0	0	0	%100
84	M80	Z	.871	.871	0	%100
85	MP1C	X	0	0	0	%100
86	MP1C	Z	2.811	2.811	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
87	MP2C	X	0	0	0	%100
88	MP2C	Z	3.11	3.11	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	3.11	3.11	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	2.811	2.811	0	%100
93	M89	X	0	0	0	%100
94	M89	Z	.871	.871	0	%100
95	MP1B	X	0	0	0	%100
96	MP1B	Z	2.811	2.811	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	3.11	3.11	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	3.11	3.11	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	2.811	2.811	0	%100
103	M98	X	0	0	0	%100
104	M98	Z	2.306	2.306	0	%100
105	M99	X	0	0	0	%100
106	M99	Z	2.306	2.306	0	%100
107	M104	X	0	0	0	%100
108	M104	Z	3.11	3.11	0	%100
109	M111	X	0	0	0	%100
110	M111	Z	.777	.777	0	%100
111	M118	X	0	0	0	%100
112	M118	Z	.777	.777	0	%100
113	M121	X	0	0	0	%100
114	M121	Z	.833	.833	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	.833	.833	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	3.332	3.332	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.306	-1.306	0	%100
2	M1	Z	2.262	2.262	0	%100
3	M2	X	-.804	-.804	0	%100
4	M2	Z	1.393	1.393	0	%100
5	M3	X	-1.649	-1.649	0	%100
6	M3	Z	2.856	2.856	0	%100
7	M5	X	-1.724	-1.724	0	%100
8	M5	Z	2.986	2.986	0	%100
9	MP1A	X	-1.405	-1.405	0	%100
10	MP1A	Z	2.434	2.434	0	%100
11	M9	X	-1.724	-1.724	0	%100
12	M9	Z	2.986	2.986	0	%100
13	M11	X	-1.724	-1.724	0	%100
14	M11	Z	2.986	2.986	0	%100
15	M13	X	-1.724	-1.724	0	%100
16	M13	Z	2.986	2.986	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	M15	X	0	0	0	%100
18	M15	Z	0	0	0	%100
19	M17	X	0	0	0	%100
20	M17	Z	0	0	0	%100
21	M19	X	-1.678	-1.678	0	%100
22	M19	Z	2.906	2.906	0	%100
23	M20	X	-1.678	-1.678	0	%100
24	M20	Z	2.906	2.906	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	-.439	-.439	0	%100
28	M22	Z	.761	.761	0	%100
29	M23	X	-.439	-.439	0	%100
30	M23	Z	.761	.761	0	%100
31	M24	X	-1.757	-1.757	0	%100
32	M24	Z	3.043	3.043	0	%100
33	M25	X	-2.165	-2.165	0	%100
34	M25	Z	3.75	3.75	0	%100
35	M26	X	-1.649	-1.649	0	%100
36	M26	Z	2.856	2.856	0	%100
37	M30	X	-1.074	-1.074	0	%100
38	M30	Z	1.86	1.86	0	%100
39	M33	X	0	0	0	%100
40	M33	Z	0	0	0	%100
41	M38	X	-1.216	-1.216	0	%100
42	M38	Z	2.106	2.106	0	%100
43	M41	X	-1.255	-1.255	0	%100
44	M41	Z	2.173	2.173	0	%100
45	M42	X	-2.165	-2.165	0	%100
46	M42	Z	3.75	3.75	0	%100
47	M43	X	-1.649	-1.649	0	%100
48	M43	Z	2.856	2.856	0	%100
49	M45	X	-.804	-.804	0	%100
50	M45	Z	1.393	1.393	0	%100
51	M46	X	-1.649	-1.649	0	%100
52	M46	Z	2.856	2.856	0	%100
53	M48	X	0	0	0	%100
54	M48	Z	0	0	0	%100
55	M50	X	-1.074	-1.074	0	%100
56	M50	Z	1.86	1.86	0	%100
57	M54	X	-1.255	-1.255	0	%100
58	M54	Z	2.173	2.173	0	%100
59	M57	X	-1.216	-1.216	0	%100
60	M57	Z	2.106	2.106	0	%100
61	M58	X	-.33	-.33	0	%100
62	M58	Z	.572	.572	0	%100
63	M59	X	0	0	0	%100
64	M59	Z	0	0	0	%100
65	M61	X	-.33	-.33	0	%100
66	M61	Z	.572	.572	0	%100
67	M62	X	0	0	0	%100
68	M62	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
69	M64	X	-1.074	-1.074	0	%100
70	M64	Z	1.86	1.86	0	%100
71	M66	X	-1.074	-1.074	0	%100
72	M66	Z	1.86	1.86	0	%100
73	M70	X	-.000301	-.000301	0	%100
74	M70	Z	.000522	.000522	0	%100
75	M73	X	-.000301	-.000301	0	%100
76	M73	Z	.000522	.000522	0	%100
77	MP2A	X	-1.555	-1.555	0	%100
78	MP2A	Z	2.693	2.693	0	%100
79	MP3A	X	-1.555	-1.555	0	%100
80	MP3A	Z	2.693	2.693	0	%100
81	MP4A	X	-1.405	-1.405	0	%100
82	MP4A	Z	2.434	2.434	0	%100
83	M80	X	-1.306	-1.306	0	%100
84	M80	Z	2.262	2.262	0	%100
85	MP1C	X	-1.405	-1.405	0	%100
86	MP1C	Z	2.434	2.434	0	%100
87	MP2C	X	-1.555	-1.555	0	%100
88	MP2C	Z	2.693	2.693	0	%100
89	MP3C	X	-1.555	-1.555	0	%100
90	MP3C	Z	2.693	2.693	0	%100
91	MP4C	X	-1.405	-1.405	0	%100
92	MP4C	Z	2.434	2.434	0	%100
93	M89	X	0	0	0	%100
94	M89	Z	0	0	0	%100
95	MP1B	X	-1.405	-1.405	0	%100
96	MP1B	Z	2.434	2.434	0	%100
97	MP2B	X	-1.555	-1.555	0	%100
98	MP2B	Z	2.693	2.693	0	%100
99	MP3B	X	-1.555	-1.555	0	%100
100	MP3B	Z	2.693	2.693	0	%100
101	MP4B	X	-1.405	-1.405	0	%100
102	MP4B	Z	2.434	2.434	0	%100
103	M98	X	-1.153	-1.153	0	%100
104	M98	Z	1.997	1.997	0	%100
105	M99	X	-1.153	-1.153	0	%100
106	M99	Z	1.997	1.997	0	%100
107	M104	X	-1.166	-1.166	0	%100
108	M104	Z	2.02	2.02	0	%100
109	M111	X	-1.166	-1.166	0	%100
110	M111	Z	2.02	2.02	0	%100
111	M118	X	0	0	0	%100
112	M118	Z	0	0	0	%100
113	M121	X	-1.25	-1.25	0	%100
114	M121	Z	2.164	2.164	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	0	0	0	%100
117	M123	X	-1.25	-1.25	0	%100
118	M123	Z	2.164	2.164	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.754	-.754	0	%100
2	M1	Z	.435	.435	0	%100
3	M2	X	-.06	-.06	0	%100
4	M2	Z	.035	.035	0	%100
5	M3	X	-.952	-.952	0	%100
6	M3	Z	.55	.55	0	%100
7	M5	X	-.995	-.995	0	%100
8	M5	Z	.575	.575	0	%100
9	MP1A	X	-2.434	-2.434	0	%100
10	MP1A	Z	1.405	1.405	0	%100
11	M9	X	-.995	-.995	0	%100
12	M9	Z	.575	.575	0	%100
13	M11	X	-3.981	-3.981	0	%100
14	M11	Z	2.298	2.298	0	%100
15	M13	X	-3.981	-3.981	0	%100
16	M13	Z	2.298	2.298	0	%100
17	M15	X	-.995	-.995	0	%100
18	M15	Z	.575	.575	0	%100
19	M17	X	-.995	-.995	0	%100
20	M17	Z	.575	.575	0	%100
21	M19	X	-3.874	-3.874	0	%100
22	M19	Z	2.237	2.237	0	%100
23	M20	X	-.969	-.969	0	%100
24	M20	Z	.559	.559	0	%100
25	M21	X	-.969	-.969	0	%100
26	M21	Z	.559	.559	0	%100
27	M22	X	-2.282	-2.282	0	%100
28	M22	Z	1.318	1.318	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	0	0	0	%100
31	M24	X	-2.282	-2.282	0	%100
32	M24	Z	1.318	1.318	0	%100
33	M25	X	-2.417	-2.417	0	%100
34	M25	Z	1.396	1.396	0	%100
35	M26	X	-.952	-.952	0	%100
36	M26	Z	.55	.55	0	%100
37	M30	X	-2.48	-2.48	0	%100
38	M30	Z	1.432	1.432	0	%100
39	M33	X	-.62	-.62	0	%100
40	M33	Z	.358	.358	0	%100
41	M38	X	-.68	-.68	0	%100
42	M38	Z	.393	.393	0	%100
43	M41	X	-.747	-.747	0	%100
44	M41	Z	.431	.431	0	%100
45	M42	X	-3.238	-3.238	0	%100
46	M42	Z	1.87	1.87	0	%100
47	M43	X	-3.808	-3.808	0	%100
48	M43	Z	2.199	2.199	0	%100
49	M45	X	-3.238	-3.238	0	%100
50	M45	Z	1.87	1.87	0	%100
51	M46	X	-3.808	-3.808	0	%100
52	M46	Z	2.199	2.199	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	M48	X	-.62	-.62	0	%100
54	M48	Z	.358	.358	0	%100
55	M50	X	-.62	-.62	0	%100
56	M50	Z	.358	.358	0	%100
57	M54	X	-2.853	-2.853	0	%100
58	M54	Z	1.647	1.647	0	%100
59	M57	X	-2.853	-2.853	0	%100
60	M57	Z	1.647	1.647	0	%100
61	M58	X	-2.417	-2.417	0	%100
62	M58	Z	1.396	1.396	0	%100
63	M59	X	-.952	-.952	0	%100
64	M59	Z	.55	.55	0	%100
65	M61	X	-.06	-.06	0	%100
66	M61	Z	.035	.035	0	%100
67	M62	X	-.952	-.952	0	%100
68	M62	Z	.55	.55	0	%100
69	M64	X	-.62	-.62	0	%100
70	M64	Z	.358	.358	0	%100
71	M66	X	-2.48	-2.48	0	%100
72	M66	Z	1.432	1.432	0	%100
73	M70	X	-.747	-.747	0	%100
74	M70	Z	.431	.431	0	%100
75	M73	X	-.68	-.68	0	%100
76	M73	Z	.393	.393	0	%100
77	MP2A	X	-2.693	-2.693	0	%100
78	MP2A	Z	1.555	1.555	0	%100
79	MP3A	X	-2.693	-2.693	0	%100
80	MP3A	Z	1.555	1.555	0	%100
81	MP4A	X	-2.434	-2.434	0	%100
82	MP4A	Z	1.405	1.405	0	%100
83	M80	X	-3.017	-3.017	0	%100
84	M80	Z	1.742	1.742	0	%100
85	MP1C	X	-2.434	-2.434	0	%100
86	MP1C	Z	1.405	1.405	0	%100
87	MP2C	X	-2.693	-2.693	0	%100
88	MP2C	Z	1.555	1.555	0	%100
89	MP3C	X	-2.693	-2.693	0	%100
90	MP3C	Z	1.555	1.555	0	%100
91	MP4C	X	-2.434	-2.434	0	%100
92	MP4C	Z	1.405	1.405	0	%100
93	M89	X	-.754	-.754	0	%100
94	M89	Z	.435	.435	0	%100
95	MP1B	X	-2.434	-2.434	0	%100
96	MP1B	Z	1.405	1.405	0	%100
97	MP2B	X	-2.693	-2.693	0	%100
98	MP2B	Z	1.555	1.555	0	%100
99	MP3B	X	-2.693	-2.693	0	%100
100	MP3B	Z	1.555	1.555	0	%100
101	MP4B	X	-2.434	-2.434	0	%100
102	MP4B	Z	1.405	1.405	0	%100
103	M98	X	-1.997	-1.997	0	%100
104	M98	Z	1.153	1.153	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
105	M99	X	-1.997	-1.997	0	%100
106	M99	Z	1.153	1.153	0	%100
107	M104	X	-.673	-.673	0	%100
108	M104	Z	.389	.389	0	%100
109	M111	X	-2.693	-2.693	0	%100
110	M111	Z	1.555	1.555	0	%100
111	M118	X	-.673	-.673	0	%100
112	M118	Z	.389	.389	0	%100
113	M121	X	-2.886	-2.886	0	%100
114	M121	Z	1.666	1.666	0	%100
115	M122	X	-.721	-.721	0	%100
116	M122	Z	.417	.417	0	%100
117	M123	X	-.721	-.721	0	%100
118	M123	Z	.417	.417	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-.66	-.66	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M5	X	0	0	0	%100
8	M5	Z	0	0	0	%100
9	MP1A	X	-2.811	-2.811	0	%100
10	MP1A	Z	0	0	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	0	0	0	%100
13	M11	X	-3.447	-3.447	0	%100
14	M11	Z	0	0	0	%100
15	M13	X	-3.447	-3.447	0	%100
16	M13	Z	0	0	0	%100
17	M15	X	-3.447	-3.447	0	%100
18	M15	Z	0	0	0	%100
19	M17	X	-3.447	-3.447	0	%100
20	M17	Z	0	0	0	%100
21	M19	X	-3.355	-3.355	0	%100
22	M19	Z	0	0	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	0	0	0	%100
25	M21	X	-3.355	-3.355	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	-3.514	-3.514	0	%100
28	M22	Z	0	0	0	%100
29	M23	X	-.878	-.878	0	%100
30	M23	Z	0	0	0	%100
31	M24	X	-.878	-.878	0	%100
32	M24	Z	0	0	0	%100
33	M25	X	-.66	-.66	0	%100
34	M25	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
35	M26	X	0	0	0	%100
36	M26	Z	0	0	0	%100
37	M30	X	-2.148	-2.148	0	%100
38	M30	Z	0	0	0	%100
39	M33	X	-2.148	-2.148	0	%100
40	M33	Z	0	0	0	%100
41	M38	X	-.000603	-.000603	0	%100
42	M38	Z	0	0	0	%100
43	M41	X	-.000603	-.000603	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	-1.608	-1.608	0	%100
46	M42	Z	0	0	0	%100
47	M43	X	-3.298	-3.298	0	%100
48	M43	Z	0	0	0	%100
49	M45	X	-4.33	-4.33	0	%100
50	M45	Z	0	0	0	%100
51	M46	X	-3.298	-3.298	0	%100
52	M46	Z	0	0	0	%100
53	M48	X	-2.148	-2.148	0	%100
54	M48	Z	0	0	0	%100
55	M50	X	0	0	0	%100
56	M50	Z	0	0	0	%100
57	M54	X	-2.432	-2.432	0	%100
58	M54	Z	0	0	0	%100
59	M57	X	-2.509	-2.509	0	%100
60	M57	Z	0	0	0	%100
61	M58	X	-4.33	-4.33	0	%100
62	M58	Z	0	0	0	%100
63	M59	X	-3.298	-3.298	0	%100
64	M59	Z	0	0	0	%100
65	M61	X	-1.608	-1.608	0	%100
66	M61	Z	0	0	0	%100
67	M62	X	-3.298	-3.298	0	%100
68	M62	Z	0	0	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	0	0	0	%100
71	M66	X	-2.148	-2.148	0	%100
72	M66	Z	0	0	0	%100
73	M70	X	-2.509	-2.509	0	%100
74	M70	Z	0	0	0	%100
75	M73	X	-2.432	-2.432	0	%100
76	M73	Z	0	0	0	%100
77	MP2A	X	-3.11	-3.11	0	%100
78	MP2A	Z	0	0	0	%100
79	MP3A	X	-3.11	-3.11	0	%100
80	MP3A	Z	0	0	0	%100
81	MP4A	X	-2.811	-2.811	0	%100
82	MP4A	Z	0	0	0	%100
83	M80	X	-2.612	-2.612	0	%100
84	M80	Z	0	0	0	%100
85	MP1C	X	-2.811	-2.811	0	%100
86	MP1C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
87	MP2C	X	-3.11	-3.11	0	%100
88	MP2C	Z	0	0	0	%100
89	MP3C	X	-3.11	-3.11	0	%100
90	MP3C	Z	0	0	0	%100
91	MP4C	X	-2.811	-2.811	0	%100
92	MP4C	Z	0	0	0	%100
93	M89	X	-2.612	-2.612	0	%100
94	M89	Z	0	0	0	%100
95	MP1B	X	-2.811	-2.811	0	%100
96	MP1B	Z	0	0	0	%100
97	MP2B	X	-3.11	-3.11	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	-3.11	-3.11	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	-2.811	-2.811	0	%100
102	MP4B	Z	0	0	0	%100
103	M98	X	-2.306	-2.306	0	%100
104	M98	Z	0	0	0	%100
105	M99	X	-2.306	-2.306	0	%100
106	M99	Z	0	0	0	%100
107	M104	X	0	0	0	%100
108	M104	Z	0	0	0	%100
109	M111	X	-2.332	-2.332	0	%100
110	M111	Z	0	0	0	%100
111	M118	X	-2.332	-2.332	0	%100
112	M118	Z	0	0	0	%100
113	M121	X	-2.499	-2.499	0	%100
114	M121	Z	0	0	0	%100
115	M122	X	-2.499	-2.499	0	%100
116	M122	Z	0	0	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.754	-.754	0	%100
2	M1	Z	-.435	-.435	0	%100
3	M2	X	-2.417	-2.417	0	%100
4	M2	Z	-1.396	-1.396	0	%100
5	M3	X	-.952	-.952	0	%100
6	M3	Z	-.55	-.55	0	%100
7	M5	X	-.995	-.995	0	%100
8	M5	Z	-.575	-.575	0	%100
9	MP1A	X	-2.434	-2.434	0	%100
10	MP1A	Z	-1.405	-1.405	0	%100
11	M9	X	-.995	-.995	0	%100
12	M9	Z	-.575	-.575	0	%100
13	M11	X	-.995	-.995	0	%100
14	M11	Z	-.575	-.575	0	%100
15	M13	X	-.995	-.995	0	%100
16	M13	Z	-.575	-.575	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	M15	X	-3.981	-3.981	0	%100
18	M15	Z	-2.298	-2.298	0	%100
19	M17	X	-3.981	-3.981	0	%100
20	M17	Z	-2.298	-2.298	0	%100
21	M19	X	-.969	-.969	0	%100
22	M19	Z	-.559	-.559	0	%100
23	M20	X	-.969	-.969	0	%100
24	M20	Z	-.559	-.559	0	%100
25	M21	X	-3.874	-3.874	0	%100
26	M21	Z	-2.237	-2.237	0	%100
27	M22	X	-2.282	-2.282	0	%100
28	M22	Z	-1.318	-1.318	0	%100
29	M23	X	-2.282	-2.282	0	%100
30	M23	Z	-1.318	-1.318	0	%100
31	M24	X	0	0	0	%100
32	M24	Z	0	0	0	%100
33	M25	X	-.06	-.06	0	%100
34	M25	Z	-.035	-.035	0	%100
35	M26	X	-.952	-.952	0	%100
36	M26	Z	-.55	-.55	0	%100
37	M30	X	-.62	-.62	0	%100
38	M30	Z	-.358	-.358	0	%100
39	M33	X	-2.48	-2.48	0	%100
40	M33	Z	-1.432	-1.432	0	%100
41	M38	X	-.747	-.747	0	%100
42	M38	Z	-.431	-.431	0	%100
43	M41	X	-.68	-.68	0	%100
44	M41	Z	-.393	-.393	0	%100
45	M42	X	-.06	-.06	0	%100
46	M42	Z	-.035	-.035	0	%100
47	M43	X	-.952	-.952	0	%100
48	M43	Z	-.55	-.55	0	%100
49	M45	X	-2.417	-2.417	0	%100
50	M45	Z	-1.396	-1.396	0	%100
51	M46	X	-.952	-.952	0	%100
52	M46	Z	-.55	-.55	0	%100
53	M48	X	-2.48	-2.48	0	%100
54	M48	Z	-1.432	-1.432	0	%100
55	M50	X	-.62	-.62	0	%100
56	M50	Z	-.358	-.358	0	%100
57	M54	X	-.68	-.68	0	%100
58	M54	Z	-.393	-.393	0	%100
59	M57	X	-.747	-.747	0	%100
60	M57	Z	-.431	-.431	0	%100
61	M58	X	-3.238	-3.238	0	%100
62	M58	Z	-1.87	-1.87	0	%100
63	M59	X	-3.808	-3.808	0	%100
64	M59	Z	-2.199	-2.199	0	%100
65	M61	X	-3.238	-3.238	0	%100
66	M61	Z	-1.87	-1.87	0	%100
67	M62	X	-3.808	-3.808	0	%100
68	M62	Z	-2.199	-2.199	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
69	M64	X	-.62	-.62	0	%100
70	M64	Z	-.358	-.358	0	%100
71	M66	X	-.62	-.62	0	%100
72	M66	Z	-.358	-.358	0	%100
73	M70	X	-2.853	-2.853	0	%100
74	M70	Z	-1.647	-1.647	0	%100
75	M73	X	-2.853	-2.853	0	%100
76	M73	Z	-1.647	-1.647	0	%100
77	MP2A	X	-2.693	-2.693	0	%100
78	MP2A	Z	-1.555	-1.555	0	%100
79	MP3A	X	-2.693	-2.693	0	%100
80	MP3A	Z	-1.555	-1.555	0	%100
81	MP4A	X	-2.434	-2.434	0	%100
82	MP4A	Z	-1.405	-1.405	0	%100
83	M80	X	-.754	-.754	0	%100
84	M80	Z	-.435	-.435	0	%100
85	MP1C	X	-2.434	-2.434	0	%100
86	MP1C	Z	-1.405	-1.405	0	%100
87	MP2C	X	-2.693	-2.693	0	%100
88	MP2C	Z	-1.555	-1.555	0	%100
89	MP3C	X	-2.693	-2.693	0	%100
90	MP3C	Z	-1.555	-1.555	0	%100
91	MP4C	X	-2.434	-2.434	0	%100
92	MP4C	Z	-1.405	-1.405	0	%100
93	M89	X	-3.017	-3.017	0	%100
94	M89	Z	-1.742	-1.742	0	%100
95	MP1B	X	-2.434	-2.434	0	%100
96	MP1B	Z	-1.405	-1.405	0	%100
97	MP2B	X	-2.693	-2.693	0	%100
98	MP2B	Z	-1.555	-1.555	0	%100
99	MP3B	X	-2.693	-2.693	0	%100
100	MP3B	Z	-1.555	-1.555	0	%100
101	MP4B	X	-2.434	-2.434	0	%100
102	MP4B	Z	-1.405	-1.405	0	%100
103	M98	X	-1.997	-1.997	0	%100
104	M98	Z	-1.153	-1.153	0	%100
105	M99	X	-1.997	-1.997	0	%100
106	M99	Z	-1.153	-1.153	0	%100
107	M104	X	-.673	-.673	0	%100
108	M104	Z	-.389	-.389	0	%100
109	M111	X	-.673	-.673	0	%100
110	M111	Z	-.389	-.389	0	%100
111	M118	X	-2.693	-2.693	0	%100
112	M118	Z	-1.555	-1.555	0	%100
113	M121	X	-.721	-.721	0	%100
114	M121	Z	-.417	-.417	0	%100
115	M122	X	-2.886	-2.886	0	%100
116	M122	Z	-1.666	-1.666	0	%100
117	M123	X	-.721	-.721	0	%100
118	M123	Z	-.417	-.417	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.306	-1.306	0	%100
2	M1	Z	-2.262	-2.262	0	%100
3	M2	X	-2.165	-2.165	0	%100
4	M2	Z	-3.75	-3.75	0	%100
5	M3	X	-1.649	-1.649	0	%100
6	M3	Z	-2.856	-2.856	0	%100
7	M5	X	-1.724	-1.724	0	%100
8	M5	Z	-2.986	-2.986	0	%100
9	MP1A	X	-1.405	-1.405	0	%100
10	MP1A	Z	-2.434	-2.434	0	%100
11	M9	X	-1.724	-1.724	0	%100
12	M9	Z	-2.986	-2.986	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	0	0	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	0	0	0	%100
17	M15	X	-1.724	-1.724	0	%100
18	M15	Z	-2.986	-2.986	0	%100
19	M17	X	-1.724	-1.724	0	%100
20	M17	Z	-2.986	-2.986	0	%100
21	M19	X	0	0	0	%100
22	M19	Z	0	0	0	%100
23	M20	X	-1.678	-1.678	0	%100
24	M20	Z	-2.906	-2.906	0	%100
25	M21	X	-1.678	-1.678	0	%100
26	M21	Z	-2.906	-2.906	0	%100
27	M22	X	-.439	-.439	0	%100
28	M22	Z	-.761	-.761	0	%100
29	M23	X	-1.757	-1.757	0	%100
30	M23	Z	-3.043	-3.043	0	%100
31	M24	X	-.439	-.439	0	%100
32	M24	Z	-.761	-.761	0	%100
33	M25	X	-.804	-.804	0	%100
34	M25	Z	-1.393	-1.393	0	%100
35	M26	X	-1.649	-1.649	0	%100
36	M26	Z	-2.856	-2.856	0	%100
37	M30	X	0	0	0	%100
38	M30	Z	0	0	0	%100
39	M33	X	-1.074	-1.074	0	%100
40	M33	Z	-1.86	-1.86	0	%100
41	M38	X	-1.255	-1.255	0	%100
42	M38	Z	-2.173	-2.173	0	%100
43	M41	X	-1.216	-1.216	0	%100
44	M41	Z	-2.106	-2.106	0	%100
45	M42	X	-.33	-.33	0	%100
46	M42	Z	-.572	-.572	0	%100
47	M43	X	0	0	0	%100
48	M43	Z	0	0	0	%100
49	M45	X	-.33	-.33	0	%100
50	M45	Z	-.572	-.572	0	%100
51	M46	X	0	0	0	%100
52	M46	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	M48	X	-1.074	-1.074	0	%100
54	M48	Z	-1.86	-1.86	0	%100
55	M50	X	-1.074	-1.074	0	%100
56	M50	Z	-1.86	-1.86	0	%100
57	M54	X	-.000301	-.000301	0	%100
58	M54	Z	-.000522	-.000522	0	%100
59	M57	X	-.000301	-.000301	0	%100
60	M57	Z	-.000522	-.000522	0	%100
61	M58	X	-.804	-.804	0	%100
62	M58	Z	-1.393	-1.393	0	%100
63	M59	X	-1.649	-1.649	0	%100
64	M59	Z	-2.856	-2.856	0	%100
65	M61	X	-2.165	-2.165	0	%100
66	M61	Z	-3.75	-3.75	0	%100
67	M62	X	-1.649	-1.649	0	%100
68	M62	Z	-2.856	-2.856	0	%100
69	M64	X	-1.074	-1.074	0	%100
70	M64	Z	-1.86	-1.86	0	%100
71	M66	X	0	0	0	%100
72	M66	Z	0	0	0	%100
73	M70	X	-1.216	-1.216	0	%100
74	M70	Z	-2.106	-2.106	0	%100
75	M73	X	-1.255	-1.255	0	%100
76	M73	Z	-2.173	-2.173	0	%100
77	MP2A	X	-1.555	-1.555	0	%100
78	MP2A	Z	-2.693	-2.693	0	%100
79	MP3A	X	-1.555	-1.555	0	%100
80	MP3A	Z	-2.693	-2.693	0	%100
81	MP4A	X	-1.405	-1.405	0	%100
82	MP4A	Z	-2.434	-2.434	0	%100
83	M80	X	0	0	0	%100
84	M80	Z	0	0	0	%100
85	MP1C	X	-1.405	-1.405	0	%100
86	MP1C	Z	-2.434	-2.434	0	%100
87	MP2C	X	-1.555	-1.555	0	%100
88	MP2C	Z	-2.693	-2.693	0	%100
89	MP3C	X	-1.555	-1.555	0	%100
90	MP3C	Z	-2.693	-2.693	0	%100
91	MP4C	X	-1.405	-1.405	0	%100
92	MP4C	Z	-2.434	-2.434	0	%100
93	M89	X	-1.306	-1.306	0	%100
94	M89	Z	-2.262	-2.262	0	%100
95	MP1B	X	-1.405	-1.405	0	%100
96	MP1B	Z	-2.434	-2.434	0	%100
97	MP2B	X	-1.555	-1.555	0	%100
98	MP2B	Z	-2.693	-2.693	0	%100
99	MP3B	X	-1.555	-1.555	0	%100
100	MP3B	Z	-2.693	-2.693	0	%100
101	MP4B	X	-1.405	-1.405	0	%100
102	MP4B	Z	-2.434	-2.434	0	%100
103	M98	X	-1.153	-1.153	0	%100
104	M98	Z	-1.997	-1.997	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
105	M99	X	-1.153	-1.153	0	%100
106	M99	Z	-1.997	-1.997	0	%100
107	M104	X	-1.166	-1.166	0	%100
108	M104	Z	-2.02	-2.02	0	%100
109	M111	X	0	0	0	%100
110	M111	Z	0	0	0	%100
111	M118	X	-1.166	-1.166	0	%100
112	M118	Z	-2.02	-2.02	0	%100
113	M121	X	0	0	0	%100
114	M121	Z	0	0	0	%100
115	M122	X	-1.25	-1.25	0	%100
116	M122	Z	-2.164	-2.164	0	%100
117	M123	X	-1.25	-1.25	0	%100
118	M123	Z	-2.164	-2.164	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-.753	-.753	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-1.098	-1.098	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-1.291	-1.291	0	%100
7	M5	X	0	0	0	%100
8	M5	Z	-1.363	-1.363	0	%100
9	MP1A	X	0	0	0	%100
10	MP1A	Z	-.511	-.511	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	-1.363	-1.363	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	-.341	-.341	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	-.341	-.341	0	%100
17	M15	X	0	0	0	%100
18	M15	Z	-.341	-.341	0	%100
19	M17	X	0	0	0	%100
20	M17	Z	-.341	-.341	0	%100
21	M19	X	0	0	0	%100
22	M19	Z	-.323	-.323	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	-1.291	-1.291	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	-.323	-.323	0	%100
27	M22	X	0	0	0	%100
28	M22	Z	0	0	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	-.573	-.573	0	%100
31	M24	X	0	0	0	%100
32	M24	Z	-.573	-.573	0	%100
33	M25	X	0	0	0	%100
34	M25	Z	-1.098	-1.098	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
35	M26	X	0	0	0	%100
36	M26	Z	-1.291	-1.291	0	%100
37	M30	X	0	0	0	%100
38	M30	Z	-.162	-.162	0	%100
39	M33	X	0	0	0	%100
40	M33	Z	-.162	-.162	0	%100
41	M38	X	0	0	0	%100
42	M38	Z	-.717	-.717	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	-.717	-.717	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	-.819	-.819	0	%100
47	M43	X	0	0	0	%100
48	M43	Z	-.323	-.323	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	-.02	-.02	0	%100
51	M46	X	0	0	0	%100
52	M46	Z	-.323	-.323	0	%100
53	M48	X	0	0	0	%100
54	M48	Z	-.162	-.162	0	%100
55	M50	X	0	0	0	%100
56	M50	Z	-.648	-.648	0	%100
57	M54	X	0	0	0	%100
58	M54	Z	-.188	-.188	0	%100
59	M57	X	0	0	0	%100
60	M57	Z	-.171	-.171	0	%100
61	M58	X	0	0	0	%100
62	M58	Z	-.02	-.02	0	%100
63	M59	X	0	0	0	%100
64	M59	Z	-.323	-.323	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	-.819	-.819	0	%100
67	M62	X	0	0	0	%100
68	M62	Z	-.323	-.323	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	-.648	-.648	0	%100
71	M66	X	0	0	0	%100
72	M66	Z	-.162	-.162	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	-.171	-.171	0	%100
75	M73	X	0	0	0	%100
76	M73	Z	-.188	-.188	0	%100
77	MP2A	X	0	0	0	%100
78	MP2A	Z	-.619	-.619	0	%100
79	MP3A	X	0	0	0	%100
80	MP3A	Z	-.619	-.619	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	-.511	-.511	0	%100
83	M80	X	0	0	0	%100
84	M80	Z	-.188	-.188	0	%100
85	MP1C	X	0	0	0	%100
86	MP1C	Z	-.511	-.511	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
87	MP2C	X	0	0	0	%100
88	MP2C	Z	-.619	-.619	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	-.619	-.619	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	-.511	-.511	0	%100
93	M89	X	0	0	0	%100
94	M89	Z	-.188	-.188	0	%100
95	MP1B	X	0	0	0	%100
96	MP1B	Z	-.511	-.511	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-.619	-.619	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	-.619	-.619	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	-.511	-.511	0	%100
103	M98	X	0	0	0	%100
104	M98	Z	-.418	-.418	0	%100
105	M99	X	0	0	0	%100
106	M99	Z	-.418	-.418	0	%100
107	M104	X	0	0	0	%100
108	M104	Z	-.619	-.619	0	%100
109	M111	X	0	0	0	%100
110	M111	Z	-.155	-.155	0	%100
111	M118	X	0	0	0	%100
112	M118	Z	-.155	-.155	0	%100
113	M121	X	0	0	0	%100
114	M121	Z	-.202	-.202	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	-.202	-.202	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	-.809	-.809	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.282	.282	0	%100
2	M1	Z	-.489	-.489	0	%100
3	M2	X	.236	.236	0	%100
4	M2	Z	-.409	-.409	0	%100
5	M3	X	.484	.484	0	%100
6	M3	Z	-.838	-.838	0	%100
7	M5	X	.511	.511	0	%100
8	M5	Z	-.885	-.885	0	%100
9	MP1A	X	.255	.255	0	%100
10	MP1A	Z	-.443	-.443	0	%100
11	M9	X	.511	.511	0	%100
12	M9	Z	-.885	-.885	0	%100
13	M11	X	.511	.511	0	%100
14	M11	Z	-.885	-.885	0	%100
15	M13	X	.511	.511	0	%100
16	M13	Z	-.885	-.885	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	M15	X	0	0	0	%100
18	M15	Z	0	0	0	%100
19	M17	X	0	0	0	%100
20	M17	Z	0	0	0	%100
21	M19	X	.484	.484	0	%100
22	M19	Z	-.838	-.838	0	%100
23	M20	X	.484	.484	0	%100
24	M20	Z	-.838	-.838	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	.095	.095	0	%100
28	M22	Z	-.165	-.165	0	%100
29	M23	X	.095	.095	0	%100
30	M23	Z	-.165	-.165	0	%100
31	M24	X	.382	.382	0	%100
32	M24	Z	-.662	-.662	0	%100
33	M25	X	.636	.636	0	%100
34	M25	Z	-1.101	-1.101	0	%100
35	M26	X	.484	.484	0	%100
36	M26	Z	-.838	-.838	0	%100
37	M30	X	.243	.243	0	%100
38	M30	Z	-.421	-.421	0	%100
39	M33	X	0	0	0	%100
40	M33	Z	0	0	0	%100
41	M38	X	.265	.265	0	%100
42	M38	Z	-.458	-.458	0	%100
43	M41	X	.273	.273	0	%100
44	M41	Z	-.473	-.473	0	%100
45	M42	X	.636	.636	0	%100
46	M42	Z	-1.101	-1.101	0	%100
47	M43	X	.484	.484	0	%100
48	M43	Z	-.838	-.838	0	%100
49	M45	X	.236	.236	0	%100
50	M45	Z	-.409	-.409	0	%100
51	M46	X	.484	.484	0	%100
52	M46	Z	-.838	-.838	0	%100
53	M48	X	0	0	0	%100
54	M48	Z	0	0	0	%100
55	M50	X	.243	.243	0	%100
56	M50	Z	-.421	-.421	0	%100
57	M54	X	.273	.273	0	%100
58	M54	Z	-.473	-.473	0	%100
59	M57	X	.265	.265	0	%100
60	M57	Z	-.458	-.458	0	%100
61	M58	X	.097	.097	0	%100
62	M58	Z	-.168	-.168	0	%100
63	M59	X	0	0	0	%100
64	M59	Z	0	0	0	%100
65	M61	X	.097	.097	0	%100
66	M61	Z	-.168	-.168	0	%100
67	M62	X	0	0	0	%100
68	M62	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
69	M64	X	.243	.243	0	%100
70	M64	Z	-.421	-.421	0	%100
71	M66	X	.243	.243	0	%100
72	M66	Z	-.421	-.421	0	%100
73	M70	X	6.6e-5	6.6e-5	0	%100
74	M70	Z	-.000114	-.000114	0	%100
75	M73	X	6.6e-5	6.6e-5	0	%100
76	M73	Z	-.000114	-.000114	0	%100
77	MP2A	X	.309	.309	0	%100
78	MP2A	Z	-.536	-.536	0	%100
79	MP3A	X	.309	.309	0	%100
80	MP3A	Z	-.536	-.536	0	%100
81	MP4A	X	.255	.255	0	%100
82	MP4A	Z	-.443	-.443	0	%100
83	M80	X	.282	.282	0	%100
84	M80	Z	-.489	-.489	0	%100
85	MP1C	X	.255	.255	0	%100
86	MP1C	Z	-.443	-.443	0	%100
87	MP2C	X	.309	.309	0	%100
88	MP2C	Z	-.536	-.536	0	%100
89	MP3C	X	.309	.309	0	%100
90	MP3C	Z	-.536	-.536	0	%100
91	MP4C	X	.255	.255	0	%100
92	MP4C	Z	-.443	-.443	0	%100
93	M89	X	0	0	0	%100
94	M89	Z	0	0	0	%100
95	MP1B	X	.255	.255	0	%100
96	MP1B	Z	-.443	-.443	0	%100
97	MP2B	X	.309	.309	0	%100
98	MP2B	Z	-.536	-.536	0	%100
99	MP3B	X	.309	.309	0	%100
100	MP3B	Z	-.536	-.536	0	%100
101	MP4B	X	.255	.255	0	%100
102	MP4B	Z	-.443	-.443	0	%100
103	M98	X	.209	.209	0	%100
104	M98	Z	-.362	-.362	0	%100
105	M99	X	.209	.209	0	%100
106	M99	Z	-.362	-.362	0	%100
107	M104	X	.232	.232	0	%100
108	M104	Z	-.402	-.402	0	%100
109	M111	X	.232	.232	0	%100
110	M111	Z	-.402	-.402	0	%100
111	M118	X	0	0	0	%100
112	M118	Z	0	0	0	%100
113	M121	X	.303	.303	0	%100
114	M121	Z	-.526	-.526	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	0	0	0	%100
117	M123	X	.303	.303	0	%100
118	M123	Z	-.526	-.526	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.163	.163	0	%100
2	M1	Z	-.094	-.094	0	%100
3	M2	X	.018	.018	0	%100
4	M2	Z	-.01	-.01	0	%100
5	M3	X	.279	.279	0	%100
6	M3	Z	-.161	-.161	0	%100
7	M5	X	.295	.295	0	%100
8	M5	Z	-.17	-.17	0	%100
9	MP1A	X	.443	.443	0	%100
10	MP1A	Z	-.255	-.255	0	%100
11	M9	X	.295	.295	0	%100
12	M9	Z	-.17	-.17	0	%100
13	M11	X	1.18	1.18	0	%100
14	M11	Z	-.681	-.681	0	%100
15	M13	X	1.18	1.18	0	%100
16	M13	Z	-.681	-.681	0	%100
17	M15	X	.295	.295	0	%100
18	M15	Z	-.17	-.17	0	%100
19	M17	X	.295	.295	0	%100
20	M17	Z	-.17	-.17	0	%100
21	M19	X	1.118	1.118	0	%100
22	M19	Z	-.645	-.645	0	%100
23	M20	X	.279	.279	0	%100
24	M20	Z	-.161	-.161	0	%100
25	M21	X	.279	.279	0	%100
26	M21	Z	-.161	-.161	0	%100
27	M22	X	.496	.496	0	%100
28	M22	Z	-.286	-.286	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	0	0	0	%100
31	M24	X	.496	.496	0	%100
32	M24	Z	-.286	-.286	0	%100
33	M25	X	.71	.71	0	%100
34	M25	Z	-.41	-.41	0	%100
35	M26	X	.279	.279	0	%100
36	M26	Z	-.161	-.161	0	%100
37	M30	X	.561	.561	0	%100
38	M30	Z	-.324	-.324	0	%100
39	M33	X	.14	.14	0	%100
40	M33	Z	-.081	-.081	0	%100
41	M38	X	.148	.148	0	%100
42	M38	Z	-.085	-.085	0	%100
43	M41	X	.163	.163	0	%100
44	M41	Z	-.094	-.094	0	%100
45	M42	X	.951	.951	0	%100
46	M42	Z	-.549	-.549	0	%100
47	M43	X	1.118	1.118	0	%100
48	M43	Z	-.645	-.645	0	%100
49	M45	X	.951	.951	0	%100
50	M45	Z	-.549	-.549	0	%100
51	M46	X	1.118	1.118	0	%100
52	M46	Z	-.645	-.645	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	M48	X	.14	.14	0	%100
54	M48	Z	-.081	-.081	0	%100
55	M50	X	.14	.14	0	%100
56	M50	Z	-.081	-.081	0	%100
57	M54	X	.621	.621	0	%100
58	M54	Z	-.358	-.358	0	%100
59	M57	X	.621	.621	0	%100
60	M57	Z	-.358	-.358	0	%100
61	M58	X	.71	.71	0	%100
62	M58	Z	-.41	-.41	0	%100
63	M59	X	.279	.279	0	%100
64	M59	Z	-.161	-.161	0	%100
65	M61	X	.018	.018	0	%100
66	M61	Z	-.01	-.01	0	%100
67	M62	X	.279	.279	0	%100
68	M62	Z	-.161	-.161	0	%100
69	M64	X	.14	.14	0	%100
70	M64	Z	-.081	-.081	0	%100
71	M66	X	.561	.561	0	%100
72	M66	Z	-.324	-.324	0	%100
73	M70	X	.163	.163	0	%100
74	M70	Z	-.094	-.094	0	%100
75	M73	X	.148	.148	0	%100
76	M73	Z	-.085	-.085	0	%100
77	MP2A	X	.536	.536	0	%100
78	MP2A	Z	-.309	-.309	0	%100
79	MP3A	X	.536	.536	0	%100
80	MP3A	Z	-.309	-.309	0	%100
81	MP4A	X	.443	.443	0	%100
82	MP4A	Z	-.255	-.255	0	%100
83	M80	X	.652	.652	0	%100
84	M80	Z	-.376	-.376	0	%100
85	MP1C	X	.443	.443	0	%100
86	MP1C	Z	-.255	-.255	0	%100
87	MP2C	X	.536	.536	0	%100
88	MP2C	Z	-.309	-.309	0	%100
89	MP3C	X	.536	.536	0	%100
90	MP3C	Z	-.309	-.309	0	%100
91	MP4C	X	.443	.443	0	%100
92	MP4C	Z	-.255	-.255	0	%100
93	M89	X	.163	.163	0	%100
94	M89	Z	-.094	-.094	0	%100
95	MP1B	X	.443	.443	0	%100
96	MP1B	Z	-.255	-.255	0	%100
97	MP2B	X	.536	.536	0	%100
98	MP2B	Z	-.309	-.309	0	%100
99	MP3B	X	.536	.536	0	%100
100	MP3B	Z	-.309	-.309	0	%100
101	MP4B	X	.443	.443	0	%100
102	MP4B	Z	-.255	-.255	0	%100
103	M98	X	.362	.362	0	%100
104	M98	Z	-.209	-.209	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
105	M99	X	.362	.362	0	%100
106	M99	Z	-.209	-.209	0	%100
107	M104	X	.134	.134	0	%100
108	M104	Z	-.077	-.077	0	%100
109	M111	X	.536	.536	0	%100
110	M111	Z	-.309	-.309	0	%100
111	M118	X	.134	.134	0	%100
112	M118	Z	-.077	-.077	0	%100
113	M121	X	.701	.701	0	%100
114	M121	Z	-.405	-.405	0	%100
115	M122	X	.175	.175	0	%100
116	M122	Z	-.101	-.101	0	%100
117	M123	X	.175	.175	0	%100
118	M123	Z	-.101	-.101	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	.194	.194	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M5	X	0	0	0	%100
8	M5	Z	0	0	0	%100
9	MP1A	X	.511	.511	0	%100
10	MP1A	Z	0	0	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	0	0	0	%100
13	M11	X	1.022	1.022	0	%100
14	M11	Z	0	0	0	%100
15	M13	X	1.022	1.022	0	%100
16	M13	Z	0	0	0	%100
17	M15	X	1.022	1.022	0	%100
18	M15	Z	0	0	0	%100
19	M17	X	1.022	1.022	0	%100
20	M17	Z	0	0	0	%100
21	M19	X	.968	.968	0	%100
22	M19	Z	0	0	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	0	0	0	%100
25	M21	X	.968	.968	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	.764	.764	0	%100
28	M22	Z	0	0	0	%100
29	M23	X	.191	.191	0	%100
30	M23	Z	0	0	0	%100
31	M24	X	.191	.191	0	%100
32	M24	Z	0	0	0	%100
33	M25	X	.194	.194	0	%100
34	M25	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
35	M26	X	0	0	0	%100
36	M26	Z	0	0	0	%100
37	M30	X	.486	.486	0	%100
38	M30	Z	0	0	0	%100
39	M33	X	.486	.486	0	%100
40	M33	Z	0	0	0	%100
41	M38	X	.000131	.000131	0	%100
42	M38	Z	0	0	0	%100
43	M41	X	.000131	.000131	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	.472	.472	0	%100
46	M42	Z	0	0	0	%100
47	M43	X	.968	.968	0	%100
48	M43	Z	0	0	0	%100
49	M45	X	1.271	1.271	0	%100
50	M45	Z	0	0	0	%100
51	M46	X	.968	.968	0	%100
52	M46	Z	0	0	0	%100
53	M48	X	.486	.486	0	%100
54	M48	Z	0	0	0	%100
55	M50	X	0	0	0	%100
56	M50	Z	0	0	0	%100
57	M54	X	.529	.529	0	%100
58	M54	Z	0	0	0	%100
59	M57	X	.546	.546	0	%100
60	M57	Z	0	0	0	%100
61	M58	X	1.271	1.271	0	%100
62	M58	Z	0	0	0	%100
63	M59	X	.968	.968	0	%100
64	M59	Z	0	0	0	%100
65	M61	X	.472	.472	0	%100
66	M61	Z	0	0	0	%100
67	M62	X	.968	.968	0	%100
68	M62	Z	0	0	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	0	0	0	%100
71	M66	X	.486	.486	0	%100
72	M66	Z	0	0	0	%100
73	M70	X	.546	.546	0	%100
74	M70	Z	0	0	0	%100
75	M73	X	.529	.529	0	%100
76	M73	Z	0	0	0	%100
77	MP2A	X	.619	.619	0	%100
78	MP2A	Z	0	0	0	%100
79	MP3A	X	.619	.619	0	%100
80	MP3A	Z	0	0	0	%100
81	MP4A	X	.511	.511	0	%100
82	MP4A	Z	0	0	0	%100
83	M80	X	.565	.565	0	%100
84	M80	Z	0	0	0	%100
85	MP1C	X	.511	.511	0	%100
86	MP1C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
87	MP2C	X	.619	.619	0	%100
88	MP2C	Z	0	0	0	%100
89	MP3C	X	.619	.619	0	%100
90	MP3C	Z	0	0	0	%100
91	MP4C	X	.511	.511	0	%100
92	MP4C	Z	0	0	0	%100
93	M89	X	.565	.565	0	%100
94	M89	Z	0	0	0	%100
95	MP1B	X	.511	.511	0	%100
96	MP1B	Z	0	0	0	%100
97	MP2B	X	.619	.619	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	.619	.619	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	.511	.511	0	%100
102	MP4B	Z	0	0	0	%100
103	M98	X	.418	.418	0	%100
104	M98	Z	0	0	0	%100
105	M99	X	.418	.418	0	%100
106	M99	Z	0	0	0	%100
107	M104	X	0	0	0	%100
108	M104	Z	0	0	0	%100
109	M111	X	.464	.464	0	%100
110	M111	Z	0	0	0	%100
111	M118	X	.464	.464	0	%100
112	M118	Z	0	0	0	%100
113	M121	X	.607	.607	0	%100
114	M121	Z	0	0	0	%100
115	M122	X	.607	.607	0	%100
116	M122	Z	0	0	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.163	.163	0	%100
2	M1	Z	.094	.094	0	%100
3	M2	X	.71	.71	0	%100
4	M2	Z	.41	.41	0	%100
5	M3	X	.279	.279	0	%100
6	M3	Z	.161	.161	0	%100
7	M5	X	.295	.295	0	%100
8	M5	Z	.17	.17	0	%100
9	MP1A	X	.443	.443	0	%100
10	MP1A	Z	.255	.255	0	%100
11	M9	X	.295	.295	0	%100
12	M9	Z	.17	.17	0	%100
13	M11	X	.295	.295	0	%100
14	M11	Z	.17	.17	0	%100
15	M13	X	.295	.295	0	%100
16	M13	Z	.17	.17	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	M15	X	1.18	1.18	0	%100
18	M15	Z	.681	.681	0	%100
19	M17	X	1.18	1.18	0	%100
20	M17	Z	.681	.681	0	%100
21	M19	X	.279	.279	0	%100
22	M19	Z	.161	.161	0	%100
23	M20	X	.279	.279	0	%100
24	M20	Z	.161	.161	0	%100
25	M21	X	1.118	1.118	0	%100
26	M21	Z	.645	.645	0	%100
27	M22	X	.496	.496	0	%100
28	M22	Z	.286	.286	0	%100
29	M23	X	.496	.496	0	%100
30	M23	Z	.286	.286	0	%100
31	M24	X	0	0	0	%100
32	M24	Z	0	0	0	%100
33	M25	X	.018	.018	0	%100
34	M25	Z	.01	.01	0	%100
35	M26	X	.279	.279	0	%100
36	M26	Z	.161	.161	0	%100
37	M30	X	.14	.14	0	%100
38	M30	Z	.081	.081	0	%100
39	M33	X	.561	.561	0	%100
40	M33	Z	.324	.324	0	%100
41	M38	X	.163	.163	0	%100
42	M38	Z	.094	.094	0	%100
43	M41	X	.148	.148	0	%100
44	M41	Z	.085	.085	0	%100
45	M42	X	.018	.018	0	%100
46	M42	Z	.01	.01	0	%100
47	M43	X	.279	.279	0	%100
48	M43	Z	.161	.161	0	%100
49	M45	X	.71	.71	0	%100
50	M45	Z	.41	.41	0	%100
51	M46	X	.279	.279	0	%100
52	M46	Z	.161	.161	0	%100
53	M48	X	.561	.561	0	%100
54	M48	Z	.324	.324	0	%100
55	M50	X	.14	.14	0	%100
56	M50	Z	.081	.081	0	%100
57	M54	X	.148	.148	0	%100
58	M54	Z	.085	.085	0	%100
59	M57	X	.163	.163	0	%100
60	M57	Z	.094	.094	0	%100
61	M58	X	.951	.951	0	%100
62	M58	Z	.549	.549	0	%100
63	M59	X	1.118	1.118	0	%100
64	M59	Z	.645	.645	0	%100
65	M61	X	.951	.951	0	%100
66	M61	Z	.549	.549	0	%100
67	M62	X	1.118	1.118	0	%100
68	M62	Z	.645	.645	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
69	M64	X	.14	.14	0	%100
70	M64	Z	.081	.081	0	%100
71	M66	X	.14	.14	0	%100
72	M66	Z	.081	.081	0	%100
73	M70	X	.621	.621	0	%100
74	M70	Z	.358	.358	0	%100
75	M73	X	.621	.621	0	%100
76	M73	Z	.358	.358	0	%100
77	MP2A	X	.536	.536	0	%100
78	MP2A	Z	.309	.309	0	%100
79	MP3A	X	.536	.536	0	%100
80	MP3A	Z	.309	.309	0	%100
81	MP4A	X	.443	.443	0	%100
82	MP4A	Z	.255	.255	0	%100
83	M80	X	.163	.163	0	%100
84	M80	Z	.094	.094	0	%100
85	MP1C	X	.443	.443	0	%100
86	MP1C	Z	.255	.255	0	%100
87	MP2C	X	.536	.536	0	%100
88	MP2C	Z	.309	.309	0	%100
89	MP3C	X	.536	.536	0	%100
90	MP3C	Z	.309	.309	0	%100
91	MP4C	X	.443	.443	0	%100
92	MP4C	Z	.255	.255	0	%100
93	M89	X	.652	.652	0	%100
94	M89	Z	.376	.376	0	%100
95	MP1B	X	.443	.443	0	%100
96	MP1B	Z	.255	.255	0	%100
97	MP2B	X	.536	.536	0	%100
98	MP2B	Z	.309	.309	0	%100
99	MP3B	X	.536	.536	0	%100
100	MP3B	Z	.309	.309	0	%100
101	MP4B	X	.443	.443	0	%100
102	MP4B	Z	.255	.255	0	%100
103	M98	X	.362	.362	0	%100
104	M98	Z	.209	.209	0	%100
105	M99	X	.362	.362	0	%100
106	M99	Z	.209	.209	0	%100
107	M104	X	.134	.134	0	%100
108	M104	Z	.077	.077	0	%100
109	M111	X	.134	.134	0	%100
110	M111	Z	.077	.077	0	%100
111	M118	X	.536	.536	0	%100
112	M118	Z	.309	.309	0	%100
113	M121	X	.175	.175	0	%100
114	M121	Z	.101	.101	0	%100
115	M122	X	.701	.701	0	%100
116	M122	Z	.405	.405	0	%100
117	M123	X	.175	.175	0	%100
118	M123	Z	.101	.101	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.282	.282	0	%100
2	M1	Z	.489	.489	0	%100
3	M2	X	.636	.636	0	%100
4	M2	Z	1.101	1.101	0	%100
5	M3	X	.484	.484	0	%100
6	M3	Z	.838	.838	0	%100
7	M5	X	.511	.511	0	%100
8	M5	Z	.885	.885	0	%100
9	MP1A	X	.255	.255	0	%100
10	MP1A	Z	.443	.443	0	%100
11	M9	X	.511	.511	0	%100
12	M9	Z	.885	.885	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	0	0	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	0	0	0	%100
17	M15	X	.511	.511	0	%100
18	M15	Z	.885	.885	0	%100
19	M17	X	.511	.511	0	%100
20	M17	Z	.885	.885	0	%100
21	M19	X	0	0	0	%100
22	M19	Z	0	0	0	%100
23	M20	X	.484	.484	0	%100
24	M20	Z	.838	.838	0	%100
25	M21	X	.484	.484	0	%100
26	M21	Z	.838	.838	0	%100
27	M22	X	.095	.095	0	%100
28	M22	Z	.165	.165	0	%100
29	M23	X	.382	.382	0	%100
30	M23	Z	.662	.662	0	%100
31	M24	X	.095	.095	0	%100
32	M24	Z	.165	.165	0	%100
33	M25	X	.236	.236	0	%100
34	M25	Z	.409	.409	0	%100
35	M26	X	.484	.484	0	%100
36	M26	Z	.838	.838	0	%100
37	M30	X	0	0	0	%100
38	M30	Z	0	0	0	%100
39	M33	X	.243	.243	0	%100
40	M33	Z	.421	.421	0	%100
41	M38	X	.273	.273	0	%100
42	M38	Z	.473	.473	0	%100
43	M41	X	.265	.265	0	%100
44	M41	Z	.458	.458	0	%100
45	M42	X	.097	.097	0	%100
46	M42	Z	.168	.168	0	%100
47	M43	X	0	0	0	%100
48	M43	Z	0	0	0	%100
49	M45	X	.097	.097	0	%100
50	M45	Z	.168	.168	0	%100
51	M46	X	0	0	0	%100
52	M46	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	M48	X	.243	.243	0	%100
54	M48	Z	.421	.421	0	%100
55	M50	X	.243	.243	0	%100
56	M50	Z	.421	.421	0	%100
57	M54	X	6.6e-5	6.6e-5	0	%100
58	M54	Z	.000114	.000114	0	%100
59	M57	X	6.6e-5	6.6e-5	0	%100
60	M57	Z	.000114	.000114	0	%100
61	M58	X	.236	.236	0	%100
62	M58	Z	.409	.409	0	%100
63	M59	X	.484	.484	0	%100
64	M59	Z	.838	.838	0	%100
65	M61	X	.636	.636	0	%100
66	M61	Z	1.101	1.101	0	%100
67	M62	X	.484	.484	0	%100
68	M62	Z	.838	.838	0	%100
69	M64	X	.243	.243	0	%100
70	M64	Z	.421	.421	0	%100
71	M66	X	0	0	0	%100
72	M66	Z	0	0	0	%100
73	M70	X	.265	.265	0	%100
74	M70	Z	.458	.458	0	%100
75	M73	X	.273	.273	0	%100
76	M73	Z	.473	.473	0	%100
77	MP2A	X	.309	.309	0	%100
78	MP2A	Z	.536	.536	0	%100
79	MP3A	X	.309	.309	0	%100
80	MP3A	Z	.536	.536	0	%100
81	MP4A	X	.255	.255	0	%100
82	MP4A	Z	.443	.443	0	%100
83	M80	X	0	0	0	%100
84	M80	Z	0	0	0	%100
85	MP1C	X	.255	.255	0	%100
86	MP1C	Z	.443	.443	0	%100
87	MP2C	X	.309	.309	0	%100
88	MP2C	Z	.536	.536	0	%100
89	MP3C	X	.309	.309	0	%100
90	MP3C	Z	.536	.536	0	%100
91	MP4C	X	.255	.255	0	%100
92	MP4C	Z	.443	.443	0	%100
93	M89	X	.282	.282	0	%100
94	M89	Z	.489	.489	0	%100
95	MP1B	X	.255	.255	0	%100
96	MP1B	Z	.443	.443	0	%100
97	MP2B	X	.309	.309	0	%100
98	MP2B	Z	.536	.536	0	%100
99	MP3B	X	.309	.309	0	%100
100	MP3B	Z	.536	.536	0	%100
101	MP4B	X	.255	.255	0	%100
102	MP4B	Z	.443	.443	0	%100
103	M98	X	.209	.209	0	%100
104	M98	Z	.362	.362	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
105	M99	X	.209	.209	0	%100
106	M99	Z	.362	.362	0	%100
107	M104	X	.232	.232	0	%100
108	M104	Z	.402	.402	0	%100
109	M111	X	0	0	0	%100
110	M111	Z	0	0	0	%100
111	M118	X	.232	.232	0	%100
112	M118	Z	.402	.402	0	%100
113	M121	X	0	0	0	%100
114	M121	Z	0	0	0	%100
115	M122	X	.303	.303	0	%100
116	M122	Z	.526	.526	0	%100
117	M123	X	.303	.303	0	%100
118	M123	Z	.526	.526	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	.753	.753	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	1.098	1.098	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	1.291	1.291	0	%100
7	M5	X	0	0	0	%100
8	M5	Z	1.363	1.363	0	%100
9	MP1A	X	0	0	0	%100
10	MP1A	Z	.511	.511	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	1.363	1.363	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	.341	.341	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	.341	.341	0	%100
17	M15	X	0	0	0	%100
18	M15	Z	.341	.341	0	%100
19	M17	X	0	0	0	%100
20	M17	Z	.341	.341	0	%100
21	M19	X	0	0	0	%100
22	M19	Z	.323	.323	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	1.291	1.291	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	.323	.323	0	%100
27	M22	X	0	0	0	%100
28	M22	Z	0	0	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	.573	.573	0	%100
31	M24	X	0	0	0	%100
32	M24	Z	.573	.573	0	%100
33	M25	X	0	0	0	%100
34	M25	Z	1.098	1.098	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
35	M26	X	0	0	0	%100
36	M26	Z	1.291	1.291	0	%100
37	M30	X	0	0	0	%100
38	M30	Z	.162	.162	0	%100
39	M33	X	0	0	0	%100
40	M33	Z	.162	.162	0	%100
41	M38	X	0	0	0	%100
42	M38	Z	.717	.717	0	%100
43	M41	X	0	0	0	%100
44	M41	Z	.717	.717	0	%100
45	M42	X	0	0	0	%100
46	M42	Z	.819	.819	0	%100
47	M43	X	0	0	0	%100
48	M43	Z	.323	.323	0	%100
49	M45	X	0	0	0	%100
50	M45	Z	.02	.02	0	%100
51	M46	X	0	0	0	%100
52	M46	Z	.323	.323	0	%100
53	M48	X	0	0	0	%100
54	M48	Z	.162	.162	0	%100
55	M50	X	0	0	0	%100
56	M50	Z	.648	.648	0	%100
57	M54	X	0	0	0	%100
58	M54	Z	.188	.188	0	%100
59	M57	X	0	0	0	%100
60	M57	Z	.171	.171	0	%100
61	M58	X	0	0	0	%100
62	M58	Z	.02	.02	0	%100
63	M59	X	0	0	0	%100
64	M59	Z	.323	.323	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	.819	.819	0	%100
67	M62	X	0	0	0	%100
68	M62	Z	.323	.323	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	.648	.648	0	%100
71	M66	X	0	0	0	%100
72	M66	Z	.162	.162	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	.171	.171	0	%100
75	M73	X	0	0	0	%100
76	M73	Z	.188	.188	0	%100
77	MP2A	X	0	0	0	%100
78	MP2A	Z	.619	.619	0	%100
79	MP3A	X	0	0	0	%100
80	MP3A	Z	.619	.619	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	.511	.511	0	%100
83	M80	X	0	0	0	%100
84	M80	Z	.188	.188	0	%100
85	MP1C	X	0	0	0	%100
86	MP1C	Z	.511	.511	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
87	MP2C	X	0	0	0	%100
88	MP2C	Z	.619	.619	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	.619	.619	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	.511	.511	0	%100
93	M89	X	0	0	0	%100
94	M89	Z	.188	.188	0	%100
95	MP1B	X	0	0	0	%100
96	MP1B	Z	.511	.511	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	.619	.619	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	.619	.619	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	.511	.511	0	%100
103	M98	X	0	0	0	%100
104	M98	Z	.418	.418	0	%100
105	M99	X	0	0	0	%100
106	M99	Z	.418	.418	0	%100
107	M104	X	0	0	0	%100
108	M104	Z	.619	.619	0	%100
109	M111	X	0	0	0	%100
110	M111	Z	.155	.155	0	%100
111	M118	X	0	0	0	%100
112	M118	Z	.155	.155	0	%100
113	M121	X	0	0	0	%100
114	M121	Z	.202	.202	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	.202	.202	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	.809	.809	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.282	-.282	0	%100
2	M1	Z	.489	.489	0	%100
3	M2	X	-.236	-.236	0	%100
4	M2	Z	.409	.409	0	%100
5	M3	X	-.484	-.484	0	%100
6	M3	Z	.838	.838	0	%100
7	M5	X	-.511	-.511	0	%100
8	M5	Z	.885	.885	0	%100
9	MP1A	X	-.255	-.255	0	%100
10	MP1A	Z	.443	.443	0	%100
11	M9	X	-.511	-.511	0	%100
12	M9	Z	.885	.885	0	%100
13	M11	X	-.511	-.511	0	%100
14	M11	Z	.885	.885	0	%100
15	M13	X	-.511	-.511	0	%100
16	M13	Z	.885	.885	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	M15	X	0	0	0	%100
18	M15	Z	0	0	0	%100
19	M17	X	0	0	0	%100
20	M17	Z	0	0	0	%100
21	M19	X	-.484	-.484	0	%100
22	M19	Z	.838	.838	0	%100
23	M20	X	-.484	-.484	0	%100
24	M20	Z	.838	.838	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	-.095	-.095	0	%100
28	M22	Z	.165	.165	0	%100
29	M23	X	-.095	-.095	0	%100
30	M23	Z	.165	.165	0	%100
31	M24	X	-.382	-.382	0	%100
32	M24	Z	.662	.662	0	%100
33	M25	X	-.636	-.636	0	%100
34	M25	Z	1.101	1.101	0	%100
35	M26	X	-.484	-.484	0	%100
36	M26	Z	.838	.838	0	%100
37	M30	X	-.243	-.243	0	%100
38	M30	Z	.421	.421	0	%100
39	M33	X	0	0	0	%100
40	M33	Z	0	0	0	%100
41	M38	X	-.265	-.265	0	%100
42	M38	Z	.458	.458	0	%100
43	M41	X	-.273	-.273	0	%100
44	M41	Z	.473	.473	0	%100
45	M42	X	-.636	-.636	0	%100
46	M42	Z	1.101	1.101	0	%100
47	M43	X	-.484	-.484	0	%100
48	M43	Z	.838	.838	0	%100
49	M45	X	-.236	-.236	0	%100
50	M45	Z	.409	.409	0	%100
51	M46	X	-.484	-.484	0	%100
52	M46	Z	.838	.838	0	%100
53	M48	X	0	0	0	%100
54	M48	Z	0	0	0	%100
55	M50	X	-.243	-.243	0	%100
56	M50	Z	.421	.421	0	%100
57	M54	X	-.273	-.273	0	%100
58	M54	Z	.473	.473	0	%100
59	M57	X	-.265	-.265	0	%100
60	M57	Z	.458	.458	0	%100
61	M58	X	-.097	-.097	0	%100
62	M58	Z	.168	.168	0	%100
63	M59	X	0	0	0	%100
64	M59	Z	0	0	0	%100
65	M61	X	-.097	-.097	0	%100
66	M61	Z	.168	.168	0	%100
67	M62	X	0	0	0	%100
68	M62	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
69	M64	X	-.243	-.243	0	%100
70	M64	Z	.421	.421	0	%100
71	M66	X	-.243	-.243	0	%100
72	M66	Z	.421	.421	0	%100
73	M70	X	-6.6e-5	-6.6e-5	0	%100
74	M70	Z	.000114	.000114	0	%100
75	M73	X	-6.6e-5	-6.6e-5	0	%100
76	M73	Z	.000114	.000114	0	%100
77	MP2A	X	-.309	-.309	0	%100
78	MP2A	Z	.536	.536	0	%100
79	MP3A	X	-.309	-.309	0	%100
80	MP3A	Z	.536	.536	0	%100
81	MP4A	X	-.255	-.255	0	%100
82	MP4A	Z	.443	.443	0	%100
83	M80	X	-.282	-.282	0	%100
84	M80	Z	.489	.489	0	%100
85	MP1C	X	-.255	-.255	0	%100
86	MP1C	Z	.443	.443	0	%100
87	MP2C	X	-.309	-.309	0	%100
88	MP2C	Z	.536	.536	0	%100
89	MP3C	X	-.309	-.309	0	%100
90	MP3C	Z	.536	.536	0	%100
91	MP4C	X	-.255	-.255	0	%100
92	MP4C	Z	.443	.443	0	%100
93	M89	X	0	0	0	%100
94	M89	Z	0	0	0	%100
95	MP1B	X	-.255	-.255	0	%100
96	MP1B	Z	.443	.443	0	%100
97	MP2B	X	-.309	-.309	0	%100
98	MP2B	Z	.536	.536	0	%100
99	MP3B	X	-.309	-.309	0	%100
100	MP3B	Z	.536	.536	0	%100
101	MP4B	X	-.255	-.255	0	%100
102	MP4B	Z	.443	.443	0	%100
103	M98	X	-.209	-.209	0	%100
104	M98	Z	.362	.362	0	%100
105	M99	X	-.209	-.209	0	%100
106	M99	Z	.362	.362	0	%100
107	M104	X	-.232	-.232	0	%100
108	M104	Z	.402	.402	0	%100
109	M111	X	-.232	-.232	0	%100
110	M111	Z	.402	.402	0	%100
111	M118	X	0	0	0	%100
112	M118	Z	0	0	0	%100
113	M121	X	-.303	-.303	0	%100
114	M121	Z	.526	.526	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	0	0	0	%100
117	M123	X	-.303	-.303	0	%100
118	M123	Z	.526	.526	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.163	-.163	0	%100
2	M1	Z	.094	.094	0	%100
3	M2	X	-.018	-.018	0	%100
4	M2	Z	.01	.01	0	%100
5	M3	X	-.279	-.279	0	%100
6	M3	Z	.161	.161	0	%100
7	M5	X	-.295	-.295	0	%100
8	M5	Z	.17	.17	0	%100
9	MP1A	X	-.443	-.443	0	%100
10	MP1A	Z	.255	.255	0	%100
11	M9	X	-.295	-.295	0	%100
12	M9	Z	.17	.17	0	%100
13	M11	X	-1.18	-1.18	0	%100
14	M11	Z	.681	.681	0	%100
15	M13	X	-1.18	-1.18	0	%100
16	M13	Z	.681	.681	0	%100
17	M15	X	-.295	-.295	0	%100
18	M15	Z	.17	.17	0	%100
19	M17	X	-.295	-.295	0	%100
20	M17	Z	.17	.17	0	%100
21	M19	X	-1.118	-1.118	0	%100
22	M19	Z	.645	.645	0	%100
23	M20	X	-.279	-.279	0	%100
24	M20	Z	.161	.161	0	%100
25	M21	X	-.279	-.279	0	%100
26	M21	Z	.161	.161	0	%100
27	M22	X	-.496	-.496	0	%100
28	M22	Z	.286	.286	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	0	0	0	%100
31	M24	X	-.496	-.496	0	%100
32	M24	Z	.286	.286	0	%100
33	M25	X	-.71	-.71	0	%100
34	M25	Z	.41	.41	0	%100
35	M26	X	-.279	-.279	0	%100
36	M26	Z	.161	.161	0	%100
37	M30	X	-.561	-.561	0	%100
38	M30	Z	.324	.324	0	%100
39	M33	X	-.14	-.14	0	%100
40	M33	Z	.081	.081	0	%100
41	M38	X	-.148	-.148	0	%100
42	M38	Z	.085	.085	0	%100
43	M41	X	-.163	-.163	0	%100
44	M41	Z	.094	.094	0	%100
45	M42	X	-.951	-.951	0	%100
46	M42	Z	.549	.549	0	%100
47	M43	X	-1.118	-1.118	0	%100
48	M43	Z	.645	.645	0	%100
49	M45	X	-.951	-.951	0	%100
50	M45	Z	.549	.549	0	%100
51	M46	X	-1.118	-1.118	0	%100
52	M46	Z	.645	.645	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	M48	X	-.14	-.14	0	%100
54	M48	Z	.081	.081	0	%100
55	M50	X	-.14	-.14	0	%100
56	M50	Z	.081	.081	0	%100
57	M54	X	-.621	-.621	0	%100
58	M54	Z	.358	.358	0	%100
59	M57	X	-.621	-.621	0	%100
60	M57	Z	.358	.358	0	%100
61	M58	X	-.71	-.71	0	%100
62	M58	Z	.41	.41	0	%100
63	M59	X	-.279	-.279	0	%100
64	M59	Z	.161	.161	0	%100
65	M61	X	-.018	-.018	0	%100
66	M61	Z	.01	.01	0	%100
67	M62	X	-.279	-.279	0	%100
68	M62	Z	.161	.161	0	%100
69	M64	X	-.14	-.14	0	%100
70	M64	Z	.081	.081	0	%100
71	M66	X	-.561	-.561	0	%100
72	M66	Z	.324	.324	0	%100
73	M70	X	-.163	-.163	0	%100
74	M70	Z	.094	.094	0	%100
75	M73	X	-.148	-.148	0	%100
76	M73	Z	.085	.085	0	%100
77	MP2A	X	-.536	-.536	0	%100
78	MP2A	Z	.309	.309	0	%100
79	MP3A	X	-.536	-.536	0	%100
80	MP3A	Z	.309	.309	0	%100
81	MP4A	X	-.443	-.443	0	%100
82	MP4A	Z	.255	.255	0	%100
83	M80	X	-.652	-.652	0	%100
84	M80	Z	.376	.376	0	%100
85	MP1C	X	-.443	-.443	0	%100
86	MP1C	Z	.255	.255	0	%100
87	MP2C	X	-.536	-.536	0	%100
88	MP2C	Z	.309	.309	0	%100
89	MP3C	X	-.536	-.536	0	%100
90	MP3C	Z	.309	.309	0	%100
91	MP4C	X	-.443	-.443	0	%100
92	MP4C	Z	.255	.255	0	%100
93	M89	X	-.163	-.163	0	%100
94	M89	Z	.094	.094	0	%100
95	MP1B	X	-.443	-.443	0	%100
96	MP1B	Z	.255	.255	0	%100
97	MP2B	X	-.536	-.536	0	%100
98	MP2B	Z	.309	.309	0	%100
99	MP3B	X	-.536	-.536	0	%100
100	MP3B	Z	.309	.309	0	%100
101	MP4B	X	-.443	-.443	0	%100
102	MP4B	Z	.255	.255	0	%100
103	M98	X	-.362	-.362	0	%100
104	M98	Z	.209	.209	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
105	M99	X	-.362	-.362	0	%100
106	M99	Z	.209	.209	0	%100
107	M104	X	-.134	-.134	0	%100
108	M104	Z	.077	.077	0	%100
109	M111	X	-.536	-.536	0	%100
110	M111	Z	.309	.309	0	%100
111	M118	X	-.134	-.134	0	%100
112	M118	Z	.077	.077	0	%100
113	M121	X	-.701	-.701	0	%100
114	M121	Z	.405	.405	0	%100
115	M122	X	-.175	-.175	0	%100
116	M122	Z	.101	.101	0	%100
117	M123	X	-.175	-.175	0	%100
118	M123	Z	.101	.101	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-.194	-.194	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M5	X	0	0	0	%100
8	M5	Z	0	0	0	%100
9	MP1A	X	-.511	-.511	0	%100
10	MP1A	Z	0	0	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	0	0	0	%100
13	M11	X	-1.022	-1.022	0	%100
14	M11	Z	0	0	0	%100
15	M13	X	-1.022	-1.022	0	%100
16	M13	Z	0	0	0	%100
17	M15	X	-1.022	-1.022	0	%100
18	M15	Z	0	0	0	%100
19	M17	X	-1.022	-1.022	0	%100
20	M17	Z	0	0	0	%100
21	M19	X	-.968	-.968	0	%100
22	M19	Z	0	0	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	0	0	0	%100
25	M21	X	-.968	-.968	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	-.764	-.764	0	%100
28	M22	Z	0	0	0	%100
29	M23	X	-.191	-.191	0	%100
30	M23	Z	0	0	0	%100
31	M24	X	-.191	-.191	0	%100
32	M24	Z	0	0	0	%100
33	M25	X	-.194	-.194	0	%100
34	M25	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
35	M26	X	0	0	0	%100
36	M26	Z	0	0	0	%100
37	M30	X	-.486	-.486	0	%100
38	M30	Z	0	0	0	%100
39	M33	X	-.486	-.486	0	%100
40	M33	Z	0	0	0	%100
41	M38	X	-.000131	-.000131	0	%100
42	M38	Z	0	0	0	%100
43	M41	X	-.000131	-.000131	0	%100
44	M41	Z	0	0	0	%100
45	M42	X	-.472	-.472	0	%100
46	M42	Z	0	0	0	%100
47	M43	X	-.968	-.968	0	%100
48	M43	Z	0	0	0	%100
49	M45	X	-1.271	-1.271	0	%100
50	M45	Z	0	0	0	%100
51	M46	X	-.968	-.968	0	%100
52	M46	Z	0	0	0	%100
53	M48	X	-.486	-.486	0	%100
54	M48	Z	0	0	0	%100
55	M50	X	0	0	0	%100
56	M50	Z	0	0	0	%100
57	M54	X	-.529	-.529	0	%100
58	M54	Z	0	0	0	%100
59	M57	X	-.546	-.546	0	%100
60	M57	Z	0	0	0	%100
61	M58	X	-1.271	-1.271	0	%100
62	M58	Z	0	0	0	%100
63	M59	X	-.968	-.968	0	%100
64	M59	Z	0	0	0	%100
65	M61	X	-.472	-.472	0	%100
66	M61	Z	0	0	0	%100
67	M62	X	-.968	-.968	0	%100
68	M62	Z	0	0	0	%100
69	M64	X	0	0	0	%100
70	M64	Z	0	0	0	%100
71	M66	X	-.486	-.486	0	%100
72	M66	Z	0	0	0	%100
73	M70	X	-.546	-.546	0	%100
74	M70	Z	0	0	0	%100
75	M73	X	-.529	-.529	0	%100
76	M73	Z	0	0	0	%100
77	MP2A	X	-.619	-.619	0	%100
78	MP2A	Z	0	0	0	%100
79	MP3A	X	-.619	-.619	0	%100
80	MP3A	Z	0	0	0	%100
81	MP4A	X	-.511	-.511	0	%100
82	MP4A	Z	0	0	0	%100
83	M80	X	-.565	-.565	0	%100
84	M80	Z	0	0	0	%100
85	MP1C	X	-.511	-.511	0	%100
86	MP1C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
87	MP2C	X	-.619	-.619	0	%100
88	MP2C	Z	0	0	0	%100
89	MP3C	X	-.619	-.619	0	%100
90	MP3C	Z	0	0	0	%100
91	MP4C	X	-.511	-.511	0	%100
92	MP4C	Z	0	0	0	%100
93	M89	X	-.565	-.565	0	%100
94	M89	Z	0	0	0	%100
95	MP1B	X	-.511	-.511	0	%100
96	MP1B	Z	0	0	0	%100
97	MP2B	X	-.619	-.619	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	-.619	-.619	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	-.511	-.511	0	%100
102	MP4B	Z	0	0	0	%100
103	M98	X	-.418	-.418	0	%100
104	M98	Z	0	0	0	%100
105	M99	X	-.418	-.418	0	%100
106	M99	Z	0	0	0	%100
107	M104	X	0	0	0	%100
108	M104	Z	0	0	0	%100
109	M111	X	-.464	-.464	0	%100
110	M111	Z	0	0	0	%100
111	M118	X	-.464	-.464	0	%100
112	M118	Z	0	0	0	%100
113	M121	X	-.607	-.607	0	%100
114	M121	Z	0	0	0	%100
115	M122	X	-.607	-.607	0	%100
116	M122	Z	0	0	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.163	-.163	0	%100
2	M1	Z	-.094	-.094	0	%100
3	M2	X	-.71	-.71	0	%100
4	M2	Z	-.41	-.41	0	%100
5	M3	X	-.279	-.279	0	%100
6	M3	Z	-.161	-.161	0	%100
7	M5	X	-.295	-.295	0	%100
8	M5	Z	-.17	-.17	0	%100
9	MP1A	X	-.443	-.443	0	%100
10	MP1A	Z	-.255	-.255	0	%100
11	M9	X	-.295	-.295	0	%100
12	M9	Z	-.17	-.17	0	%100
13	M11	X	-.295	-.295	0	%100
14	M11	Z	-.17	-.17	0	%100
15	M13	X	-.295	-.295	0	%100
16	M13	Z	-.17	-.17	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	M15	X	-1.18	-1.18	0	%100
18	M15	Z	-.681	-.681	0	%100
19	M17	X	-1.18	-1.18	0	%100
20	M17	Z	-.681	-.681	0	%100
21	M19	X	-.279	-.279	0	%100
22	M19	Z	-.161	-.161	0	%100
23	M20	X	-.279	-.279	0	%100
24	M20	Z	-.161	-.161	0	%100
25	M21	X	-1.118	-1.118	0	%100
26	M21	Z	-.645	-.645	0	%100
27	M22	X	-.496	-.496	0	%100
28	M22	Z	-.286	-.286	0	%100
29	M23	X	-.496	-.496	0	%100
30	M23	Z	-.286	-.286	0	%100
31	M24	X	0	0	0	%100
32	M24	Z	0	0	0	%100
33	M25	X	-.018	-.018	0	%100
34	M25	Z	-.01	-.01	0	%100
35	M26	X	-.279	-.279	0	%100
36	M26	Z	-.161	-.161	0	%100
37	M30	X	-.14	-.14	0	%100
38	M30	Z	-.081	-.081	0	%100
39	M33	X	-.561	-.561	0	%100
40	M33	Z	-.324	-.324	0	%100
41	M38	X	-.163	-.163	0	%100
42	M38	Z	-.094	-.094	0	%100
43	M41	X	-.148	-.148	0	%100
44	M41	Z	-.085	-.085	0	%100
45	M42	X	-.018	-.018	0	%100
46	M42	Z	-.01	-.01	0	%100
47	M43	X	-.279	-.279	0	%100
48	M43	Z	-.161	-.161	0	%100
49	M45	X	-.71	-.71	0	%100
50	M45	Z	-.41	-.41	0	%100
51	M46	X	-.279	-.279	0	%100
52	M46	Z	-.161	-.161	0	%100
53	M48	X	-.561	-.561	0	%100
54	M48	Z	-.324	-.324	0	%100
55	M50	X	-.14	-.14	0	%100
56	M50	Z	-.081	-.081	0	%100
57	M54	X	-.148	-.148	0	%100
58	M54	Z	-.085	-.085	0	%100
59	M57	X	-.163	-.163	0	%100
60	M57	Z	-.094	-.094	0	%100
61	M58	X	-.951	-.951	0	%100
62	M58	Z	-.549	-.549	0	%100
63	M59	X	-1.118	-1.118	0	%100
64	M59	Z	-.645	-.645	0	%100
65	M61	X	-.951	-.951	0	%100
66	M61	Z	-.549	-.549	0	%100
67	M62	X	-1.118	-1.118	0	%100
68	M62	Z	-.645	-.645	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
69	M64	X	-.14	-.14	0	%100
70	M64	Z	-.081	-.081	0	%100
71	M66	X	-.14	-.14	0	%100
72	M66	Z	-.081	-.081	0	%100
73	M70	X	-.621	-.621	0	%100
74	M70	Z	-.358	-.358	0	%100
75	M73	X	-.621	-.621	0	%100
76	M73	Z	-.358	-.358	0	%100
77	MP2A	X	-.536	-.536	0	%100
78	MP2A	Z	-.309	-.309	0	%100
79	MP3A	X	-.536	-.536	0	%100
80	MP3A	Z	-.309	-.309	0	%100
81	MP4A	X	-.443	-.443	0	%100
82	MP4A	Z	-.255	-.255	0	%100
83	M80	X	-.163	-.163	0	%100
84	M80	Z	-.094	-.094	0	%100
85	MP1C	X	-.443	-.443	0	%100
86	MP1C	Z	-.255	-.255	0	%100
87	MP2C	X	-.536	-.536	0	%100
88	MP2C	Z	-.309	-.309	0	%100
89	MP3C	X	-.536	-.536	0	%100
90	MP3C	Z	-.309	-.309	0	%100
91	MP4C	X	-.443	-.443	0	%100
92	MP4C	Z	-.255	-.255	0	%100
93	M89	X	-.652	-.652	0	%100
94	M89	Z	-.376	-.376	0	%100
95	MP1B	X	-.443	-.443	0	%100
96	MP1B	Z	-.255	-.255	0	%100
97	MP2B	X	-.536	-.536	0	%100
98	MP2B	Z	-.309	-.309	0	%100
99	MP3B	X	-.536	-.536	0	%100
100	MP3B	Z	-.309	-.309	0	%100
101	MP4B	X	-.443	-.443	0	%100
102	MP4B	Z	-.255	-.255	0	%100
103	M98	X	-.362	-.362	0	%100
104	M98	Z	-.209	-.209	0	%100
105	M99	X	-.362	-.362	0	%100
106	M99	Z	-.209	-.209	0	%100
107	M104	X	-.134	-.134	0	%100
108	M104	Z	-.077	-.077	0	%100
109	M111	X	-.134	-.134	0	%100
110	M111	Z	-.077	-.077	0	%100
111	M118	X	-.536	-.536	0	%100
112	M118	Z	-.309	-.309	0	%100
113	M121	X	-.175	-.175	0	%100
114	M121	Z	-.101	-.101	0	%100
115	M122	X	-.701	-.701	0	%100
116	M122	Z	-.405	-.405	0	%100
117	M123	X	-.175	-.175	0	%100
118	M123	Z	-.101	-.101	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.282	-.282	0	%100
2	M1	Z	-.489	-.489	0	%100
3	M2	X	-.636	-.636	0	%100
4	M2	Z	-1.101	-1.101	0	%100
5	M3	X	-.484	-.484	0	%100
6	M3	Z	-.838	-.838	0	%100
7	M5	X	-.511	-.511	0	%100
8	M5	Z	-.885	-.885	0	%100
9	MP1A	X	-.255	-.255	0	%100
10	MP1A	Z	-.443	-.443	0	%100
11	M9	X	-.511	-.511	0	%100
12	M9	Z	-.885	-.885	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	0	0	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	0	0	0	%100
17	M15	X	-.511	-.511	0	%100
18	M15	Z	-.885	-.885	0	%100
19	M17	X	-.511	-.511	0	%100
20	M17	Z	-.885	-.885	0	%100
21	M19	X	0	0	0	%100
22	M19	Z	0	0	0	%100
23	M20	X	-.484	-.484	0	%100
24	M20	Z	-.838	-.838	0	%100
25	M21	X	-.484	-.484	0	%100
26	M21	Z	-.838	-.838	0	%100
27	M22	X	-.095	-.095	0	%100
28	M22	Z	-.165	-.165	0	%100
29	M23	X	-.382	-.382	0	%100
30	M23	Z	-.662	-.662	0	%100
31	M24	X	-.095	-.095	0	%100
32	M24	Z	-.165	-.165	0	%100
33	M25	X	-.236	-.236	0	%100
34	M25	Z	-.409	-.409	0	%100
35	M26	X	-.484	-.484	0	%100
36	M26	Z	-.838	-.838	0	%100
37	M30	X	0	0	0	%100
38	M30	Z	0	0	0	%100
39	M33	X	-.243	-.243	0	%100
40	M33	Z	-.421	-.421	0	%100
41	M38	X	-.273	-.273	0	%100
42	M38	Z	-.473	-.473	0	%100
43	M41	X	-.265	-.265	0	%100
44	M41	Z	-.458	-.458	0	%100
45	M42	X	-.097	-.097	0	%100
46	M42	Z	-.168	-.168	0	%100
47	M43	X	0	0	0	%100
48	M43	Z	0	0	0	%100
49	M45	X	-.097	-.097	0	%100
50	M45	Z	-.168	-.168	0	%100
51	M46	X	0	0	0	%100
52	M46	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	M48	X	-.243	-.243	0	%100
54	M48	Z	-.421	-.421	0	%100
55	M50	X	-.243	-.243	0	%100
56	M50	Z	-.421	-.421	0	%100
57	M54	X	-6.6e-5	-6.6e-5	0	%100
58	M54	Z	-.000114	-.000114	0	%100
59	M57	X	-6.6e-5	-6.6e-5	0	%100
60	M57	Z	-.000114	-.000114	0	%100
61	M58	X	-.236	-.236	0	%100
62	M58	Z	-.409	-.409	0	%100
63	M59	X	-.484	-.484	0	%100
64	M59	Z	-.838	-.838	0	%100
65	M61	X	-.636	-.636	0	%100
66	M61	Z	-1.101	-1.101	0	%100
67	M62	X	-.484	-.484	0	%100
68	M62	Z	-.838	-.838	0	%100
69	M64	X	-.243	-.243	0	%100
70	M64	Z	-.421	-.421	0	%100
71	M66	X	0	0	0	%100
72	M66	Z	0	0	0	%100
73	M70	X	-.265	-.265	0	%100
74	M70	Z	-.458	-.458	0	%100
75	M73	X	-.273	-.273	0	%100
76	M73	Z	-.473	-.473	0	%100
77	MP2A	X	-.309	-.309	0	%100
78	MP2A	Z	-.536	-.536	0	%100
79	MP3A	X	-.309	-.309	0	%100
80	MP3A	Z	-.536	-.536	0	%100
81	MP4A	X	-.255	-.255	0	%100
82	MP4A	Z	-.443	-.443	0	%100
83	M80	X	0	0	0	%100
84	M80	Z	0	0	0	%100
85	MP1C	X	-.255	-.255	0	%100
86	MP1C	Z	-.443	-.443	0	%100
87	MP2C	X	-.309	-.309	0	%100
88	MP2C	Z	-.536	-.536	0	%100
89	MP3C	X	-.309	-.309	0	%100
90	MP3C	Z	-.536	-.536	0	%100
91	MP4C	X	-.255	-.255	0	%100
92	MP4C	Z	-.443	-.443	0	%100
93	M89	X	-.282	-.282	0	%100
94	M89	Z	-.489	-.489	0	%100
95	MP1B	X	-.255	-.255	0	%100
96	MP1B	Z	-.443	-.443	0	%100
97	MP2B	X	-.309	-.309	0	%100
98	MP2B	Z	-.536	-.536	0	%100
99	MP3B	X	-.309	-.309	0	%100
100	MP3B	Z	-.536	-.536	0	%100
101	MP4B	X	-.255	-.255	0	%100
102	MP4B	Z	-.443	-.443	0	%100
103	M98	X	-.209	-.209	0	%100
104	M98	Z	-.362	-.362	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
105	M99	X	-.209	-.209	0	%100
106	M99	Z	-.362	-.362	0	%100
107	M104	X	-.232	-.232	0	%100
108	M104	Z	-.402	-.402	0	%100
109	M111	X	0	0	0	%100
110	M111	Z	0	0	0	%100
111	M118	X	-.232	-.232	0	%100
112	M118	Z	-.402	-.402	0	%100
113	M121	X	0	0	0	%100
114	M121	Z	0	0	0	%100
115	M122	X	-.303	-.303	0	%100
116	M122	Z	-.526	-.526	0	%100
117	M123	X	-.303	-.303	0	%100
118	M123	Z	-.526	-.526	0	%100

Member Distributed Loads (BLC 81 : BLC 39 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M13	Y	-3.087	-3.087	0	.125
2	M15	Y	-3.086	-3.086	0	.125
3	M20	Y	-.479	-.479	0	1.061
4	M22	Y	-1.667	-5.072	0	.827
5	M22	Y	-5.072	-7.244	.827	1.653
6	M22	Y	-7.244	-8.595	1.653	2.48
7	M22	Y	-8.595	-5.278	2.48	3.307
8	M22	Y	-5.278	-.253	3.307	4.133
9	M28	Y	-.309	-.309	0	.167
10	M29	Y	-.309	-.309	0	.167
11	M46	Y	-2.826	-2.826	0	.292
12	M50	Y	-2.212	-1.572	0	.478
13	M50	Y	-1.572	-2.983	.478	.956
14	M50	Y	-2.983	-5.004	.956	1.434
15	M50	Y	-5.004	-3.716	1.434	1.912
16	M50	Y	-3.716	-.562	1.912	2.39
17	M59	Y	-2.665	-2.665	0	.292
18	M64	Y	-2.074	-1.581	0	.478
19	M64	Y	-1.581	-3.641	.478	.956
20	M64	Y	-3.641	-4.877	.956	1.434
21	M64	Y	-4.877	-2.95	1.434	1.912
22	M64	Y	-2.95	-1.236	1.912	2.39
23	M80	Y	1.776e-16	-1.295	0	1.25
24	M80	Y	-1.295	-2.603	1.25	2.5
25	M80	Y	-2.603	-1.308	2.5	3.75
26	M80	Y	-1.308	1.776e-16	3.75	5
27	M81	Y	-2.399	-2.399	0	.25
28	M89	Y	-.06	-1.32	7.5	8.75
29	M89	Y	-1.32	-2.612	8.75	10
30	M89	Y	-2.612	-1.591	10	11.25
31	M89	Y	-1.591	-.06	11.25	12.5
32	M1	Y	-1.776e-16	-1.295	0	1.25
33	M1	Y	-1.295	-2.603	1.25	2.5
34	M1	Y	-2.603	-1.308	2.5	3.75

Member Distributed Loads (BLC 81 : BLC 39 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
35	M1	Y	-1.308	-1.776e-16	3.75	5
36	M7	Y	-2.399	-2.399	0	.25
37	M9	Y	-3.087	-3.087	0	.125
38	M11	Y	-3.086	-3.086	0	.125
39	M21	Y	-.479	-.479	0	1.061
40	M24	Y	-1.666	-5.073	0	.827
41	M24	Y	-5.073	-7.245	.827	1.653
42	M24	Y	-7.245	-8.595	1.653	2.48
43	M24	Y	-8.595	-5.277	2.48	3.307
44	M24	Y	-5.277	-.253	3.307	4.133
45	M26	Y	-2.826	-2.826	0	.292
46	M33	Y	-2.212	-1.572	0	.478
47	M33	Y	-1.572	-2.982	.478	.956
48	M33	Y	-2.982	-5.003	.956	1.434
49	M33	Y	-5.003	-3.716	1.434	1.912
50	M33	Y	-3.716	-.562	1.912	2.39
51	M34	Y	-.309	-.309	0	.167
52	M35	Y	-.309	-.309	0	.167
53	M43	Y	-2.665	-2.665	0	.292
54	M48	Y	-2.074	-1.581	0	.478
55	M48	Y	-1.581	-3.641	.478	.956
56	M48	Y	-3.641	-4.877	.956	1.434
57	M48	Y	-4.877	-2.95	1.434	1.912
58	M48	Y	-2.95	-1.236	1.912	2.39
59	M80	Y	-.06	-1.32	7.5	8.75
60	M80	Y	-1.32	-2.612	8.75	10
61	M80	Y	-2.612	-1.591	10	11.25
62	M80	Y	-1.591	-.06	11.25	12.5
63	M1	Y	-.06	-1.32	7.5	8.75
64	M1	Y	-1.32	-2.612	8.75	10
65	M1	Y	-2.612	-1.591	10	11.25
66	M1	Y	-1.591	-.06	11.25	12.5
67	M3	Y	-2.665	-2.665	0	.292
68	M5	Y	-3.086	-3.086	0	.125
69	M17	Y	-3.087	-3.087	0	.125
70	M19	Y	-.479	-.479	0	1.061
71	M23	Y	-1.666	-5.073	0	.827
72	M23	Y	-5.073	-7.245	.827	1.653
73	M23	Y	-7.245	-8.595	1.653	2.48
74	M23	Y	-8.595	-5.277	2.48	3.307
75	M23	Y	-5.277	-.253	3.307	4.133
76	M30	Y	-2.074	-1.581	0	.478
77	M30	Y	-1.581	-3.641	.478	.956
78	M30	Y	-3.641	-4.877	.956	1.434
79	M30	Y	-4.877	-2.95	1.434	1.912
80	M30	Y	-2.95	-1.236	1.912	2.39
81	M31	Y	-.309	-.309	0	.167
82	M32	Y	-.309	-.309	0	.167
83	M62	Y	-2.826	-2.826	0	.292
84	M66	Y	-2.212	-1.572	0	.478
85	M66	Y	-1.572	-2.982	.478	.956
86	M66	Y	-2.982	-5.003	.956	1.434

Member Distributed Loads (BLC 81 : BLC 39 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
87	M66	Y	-5.003	-3.716	1.434	1.912
88	M66	Y	-3.716	-.562	1.912	2.39
89	M89	Y	0	-1.295	0	1.25
90	M89	Y	-1.295	-2.603	1.25	2.5
91	M89	Y	-2.603	-1.308	2.5	3.75
92	M89	Y	-1.308	0	3.75	5
93	M90	Y	-2.399	-2.399	0	.25

Member Distributed Loads (BLC 82 : BLC 40 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M13	Y	-5.995	-5.995	0	.125
2	M15	Y	-5.995	-5.995	0	.125
3	M20	Y	-.931	-.931	0	1.061
4	M22	Y	-3.237	-9.852	0	.827
5	M22	Y	-9.852	-14.07	.827	1.653
6	M22	Y	-14.07	-16.694	1.653	2.48
7	M22	Y	-16.694	-10.251	2.48	3.307
8	M22	Y	-10.251	-.491	3.307	4.133
9	M28	Y	-.6	-.6	0	.167
10	M29	Y	-.599	-.599	0	.167
11	M46	Y	-5.489	-5.489	0	.292
12	M50	Y	-4.297	-3.053	0	.478
13	M50	Y	-3.053	-5.793	.478	.956
14	M50	Y	-5.793	-9.719	.956	1.434
15	M50	Y	-9.719	-7.219	1.434	1.912
16	M50	Y	-7.219	-1.091	1.912	2.39
17	M59	Y	-5.176	-5.176	0	.292
18	M64	Y	-4.029	-3.072	0	.478
19	M64	Y	-3.072	-7.071	.478	.956
20	M64	Y	-7.071	-9.472	.956	1.434
21	M64	Y	-9.472	-5.73	1.434	1.912
22	M64	Y	-5.73	-2.401	1.912	2.39
23	M80	Y	-3.553e-16	-2.515	0	1.25
24	M80	Y	-2.515	-5.056	1.25	2.5
25	M80	Y	-5.056	-2.54	2.5	3.75
26	M80	Y	-2.54	-3.553e-16	3.75	5
27	M81	Y	-4.659	-4.659	0	.25
28	M89	Y	-.116	-2.564	7.5	8.75
29	M89	Y	-2.564	-5.073	8.75	10
30	M89	Y	-5.073	-3.091	10	11.25
31	M89	Y	-3.091	-.116	11.25	12.5
32	M1	Y	-.116	-2.564	7.5	8.75
33	M1	Y	-2.564	-5.073	8.75	10
34	M1	Y	-5.073	-3.091	10	11.25
35	M1	Y	-3.091	-.116	11.25	12.5
36	M3	Y	-5.176	-5.176	0	.292
37	M5	Y	-5.995	-5.995	0	.125
38	M17	Y	-5.995	-5.995	0	.125
39	M19	Y	-.931	-.931	0	1.061
40	M23	Y	-3.237	-9.852	0	.827
41	M23	Y	-9.852	-14.07	.827	1.653

Member Distributed Loads (BLC 82 : BLC 40 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
42	M23	Y	-14.07	-16.694	1.653	2.48
43	M23	Y	-16.694	-10.251	2.48	3.307
44	M23	Y	-10.251	-.491	3.307	4.133
45	M30	Y	-4.029	-3.072	0	.478
46	M30	Y	-3.072	-7.071	.478	.956
47	M30	Y	-7.071	-9.472	.956	1.434
48	M30	Y	-9.472	-5.73	1.434	1.912
49	M30	Y	-5.73	-2.401	1.912	2.39
50	M31	Y	-.6	-.6	0	.167
51	M32	Y	-.599	-.599	0	.167
52	M62	Y	-5.489	-5.489	0	.292
53	M66	Y	-4.297	-3.053	0	.478
54	M66	Y	-3.053	-5.793	.478	.956
55	M66	Y	-5.793	-9.719	.956	1.434
56	M66	Y	-9.719	-7.219	1.434	1.912
57	M66	Y	-7.219	-1.091	1.912	2.39
58	M89	Y	-3.553e-16	-2.515	0	1.25
59	M89	Y	-2.515	-5.056	1.25	2.5
60	M89	Y	-5.056	-2.54	2.5	3.75
61	M89	Y	-2.54	-3.553e-16	3.75	5
62	M90	Y	-4.659	-4.659	0	.25
63	M1	Y	3.553e-16	-2.516	0	1.25
64	M1	Y	-2.516	-5.056	1.25	2.5
65	M1	Y	-5.056	-2.54	2.5	3.75
66	M1	Y	-2.54	3.553e-16	3.75	5
67	M7	Y	-4.659	-4.659	0	.25
68	M9	Y	-5.995	-5.995	0	.125
69	M11	Y	-5.995	-5.995	0	.125
70	M21	Y	-.931	-.931	0	1.061
71	M24	Y	-3.237	-9.852	0	.827
72	M24	Y	-9.852	-14.073	.827	1.653
73	M24	Y	-14.073	-16.694	1.653	2.48
74	M24	Y	-16.694	-10.249	2.48	3.307
75	M24	Y	-10.249	-.491	3.307	4.133
76	M26	Y	-5.488	-5.488	0	.292
77	M33	Y	-4.297	-3.053	0	.478
78	M33	Y	-3.053	-5.793	.478	.956
79	M33	Y	-5.793	-9.717	.956	1.434
80	M33	Y	-9.717	-7.217	1.434	1.912
81	M33	Y	-7.217	-1.091	1.912	2.39
82	M34	Y	-.6	-.6	0	.167
83	M35	Y	-.599	-.599	0	.167
84	M43	Y	-5.176	-5.176	0	.292
85	M48	Y	-4.029	-3.072	0	.478
86	M48	Y	-3.072	-7.071	.478	.956
87	M48	Y	-7.071	-9.472	.956	1.434
88	M48	Y	-9.472	-5.73	1.434	1.912
89	M48	Y	-5.73	-2.401	1.912	2.39
90	M80	Y	-.116	-2.564	7.5	8.75
91	M80	Y	-2.564	-5.073	8.75	10
92	M80	Y	-5.073	-3.091	10	11.25
93	M80	Y	-3.091	-.116	11.25	12.5

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N72A	N71A	N87	N88	Y	Two Way	-.005
2	N67	N68	N72	N71	Y	Two Way	-.005
3	N59	N60	N92	N91	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N72A	N71A	N87	N88	Y	Two Way	-.01
2	N91	N59	N60	N92	Y	Two Way	-.01
3	N67	N68	N72	N71	Y	Two Way	-.01

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N30	max	1053.482	10	2553.493	13	2621.473	1	4.885	13	1.468	4	.207	40
2		min	-1044.735	4	775.367	7	-2820.154	7	1.027	7	-1.483	10	.015	50
3	N32	max	2255.732	9	2739.584	21	1642.704	1	-.373	3	1.904	12	-.811	3
4		min	-2451.302	3	811.087	3	-1534.788	7	-2.391	21	-1.902	6	-4.576	21
5	N34	max	2320.365	11	2648.983	17	1697.841	12	-.492	11	1.778	8	4.216	17
6		min	-2134.612	5	802.327	11	-1603.433	6	-2.769	41	-1.76	2	.717	11
7	Totals:	max	5450.643	10	7691.901	14	5940.755	1						
8		min	-5450.644	4	3471.833	8	-5940.752	7						

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

	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
1	M1	PIPE_3.0	.098	8.203	21	.071	1.042		7	28250.583	65205	5.749	5.749	1....	H1-1b
2	M2	PL3/8x6	.171	0	12	.400	0	y	16	71060.978	72900	.57	9.113	1....	H1-1b
3	M3	PL3/8x6	.340	.292	2	.408	0	y	21	68996.603	72900	.57	9.113	1....	H1-1b
4	M5	PL1/2X6	.077	.125	9	.049	.125	y	41	96648.928	97200	1.012	12.15	1	H1-1b
5	MP1A	PIPE_2.0	.234	2.953	7	.074	3.555		5	23088.171	32130	1.872	1.872	1....	H1-1b
6	M9	PL1/2X6	.092	.125	9	.121	0	y	38	96648.928	97200	1.012	12.15	1....	H1-1b
7	M11	PL1/2X6	.076	.125	5	.076	.125	y	37	96648.928	97200	1.012	12.15	1....	H1-1b
8	M13	PL1/2X6	.082	.125	11	.042	0	y	11	96648.928	97200	1.012	12.15	1....	H1-1b
9	M15	PL1/2X6	.084	.125	1	.047	.125	y	9	96648.928	97200	1.012	12.15	1....	H1-1b
10	M17	PL1/2X6	.093	.125	1	.035	0	y	6	96648.928	97200	1.012	12.15	1....	H1-1b
11	M19	PL1/2X6	.355	.531	8	.207	0	y	8	64528.275	97200	1.012	12.15	1....	H1-1b
12	M20	PL1/2X6	.363	.531	12	.210	0	y	12	64528.275	97200	1.012	12.15	1....	H1-1b
13	M21	PL1/2X6	.311	.531	11	.183	0	y	4	64528.275	97200	1.012	12.15	1....	H1-1b
14	M22	HSS4X4X4	.310	5.167	16	.080	5.167	y	13	124770.34	139518	16.181	16.181	3....	H1-1b
15	M23	HSS4X4X4	.331	5.167	24	.088	5.167	y	23	124770.34	139518	16.181	16.181	3....	H1-1b
16	M24	HSS4X4X4	.321	5.167	20	.103	5.167	y	30	124770.34	139518	16.181	16.181	3....	H1-1b
17	M25	PL3/8x6	.244	0	2	.272	0	y	23	71060.978	72900	.57	9.113	1....	H1-1b
18	M26	PL3/8x6	.337	.292	12	.425	0	y	17	68996.603	72900	.57	9.113	1....	H1-1b
19	M30	HSS4X4X4	.190	2.39	14	.052	2.39	z	23	136222.6...	139518	16.181	16.181	1....	H1-1b
20	M33	HSS4X4X4	.193	2.39	24	.063	2.39	z	14	136222.5...	139518	16.181	16.181	1....	H1-1b
21	M38	L2x2x3	.201	4.184	8	.010	4.184	y	15	9732.975	23392.8	.558	1.072	1....	H2-1
22	M41	L2x2x3	.255	4.184	6	.013	0	y	6	9732.975	23392.8	.558	1.213	2....	H2-1
23	M42	PL3/8x6	.152	0	8	.399	0	y	24	71060.978	72900	.57	9.113	1....	H1-1b
24	M43	PL3/8x6	.299	.292	10	.395	0	y	17	68996.603	72900	.57	9.113	1....	H1-1b

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

	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
25	M45	PL3/8x6	.239	0	10	.281	0	y	19	71060.978	72900	.57	9.113	1....	H1-1b
26	M46	PL3/8x6	.328	.292	8	.422	0	y	13	68996.603	72900	.57	9.113	1....	H1-1b
27	M48	HSS4X4X4	.184	2.39	22	.049	2.39	z	19	136222.6...	139518	16.181	16.181	1....	H1-1b
28	M50	HSS4X4X4	.191	2.39	20	.062	2.39	z	22	136222.5...	139518	16.181	16.181	1....	H1-1b
29	M54	L2x2x3	.171	4.184	5	.010	4.184	y	23	9732.975	23392.8	.558	1.072	1....	H2-1
30	M57	L2x2x3	.241	4.184	2	.012	0	y	2	9732.975	23392.8	.558	1.213	2....	H2-1
31	M58	PL3/8x6	.163	0	4	.392	0	y	20	71060.978	72900	.57	9.113	1....	H1-1b
32	M59	PL3/8x6	.341	.292	6	.400	0	y	13	68996.603	72900	.57	9.113	1....	H1-1b
33	M61	PL3/8x6	.262	0	6	.281	0	y	15	71060.978	72900	.57	9.113	1....	H1-1b
34	M62	PL3/8x6	.325	.292	4	.441	0	y	21	68996.603	72900	.57	9.113	1....	H1-1b
35	M64	HSS4X4X4	.187	2.39	18	.051	2.39	z	14	136222.6...	139518	16.181	16.181	1....	H1-1b
36	M66	HSS4X4X4	.198	2.39	16	.066	2.39	z	18	136222.5...	139518	16.181	16.181	1....	H1-1b
37	M70	L2x2x3	.204	4.184	12	.010	4.184	y	19	9732.975	23392.8	.558	1.072	1....	H2-1
38	M73	L2x2x3	.232	4.184	10	.012	0	y	10	9732.975	23392.8	.558	1.212	2....	H2-1
39	MP2A	PIPE_2.5	.239	4.417	1	.082	4.417		10	30038.461	50715	3.596	3.596	2....	H1-1b
40	MP3A	PIPE_2.5	.170	4.417	5	.060	4.417		7	30038.461	50715	3.596	3.596	2....	H1-1b
41	MP4A	PIPE_2.0	.239	2.898	17	.104	.93		6	23088.171	32130	1.872	1.872	1....	H1-1b
42	M80	PIPE_3.0	.093	8.203	17	.069	4.167		19	28250.583	65205	5.749	5.749	1....	H1-1b
43	MP1C	PIPE_2.0	.223	2.953	7	.089	2.953		1	23088.171	32130	1.872	1.872	2....	H1-1b
44	MP2C	PIPE_2.5	.224	4.417	9	.082	4.417		6	30038.461	50715	3.596	3.596	1....	H1-1b
45	MP3C	PIPE_2.5	.175	4.417	12	.063	4.417		3	30038.461	50715	3.596	3.596	2....	H1-1b
46	MP4C	PIPE_2.0	.238	2.898	13	.106	.93		2	23088.171	32130	1.872	1.872	1....	H1-1b
47	M89	PIPE_3.0	.095	8.203	13	.073	8.464		12	28250.583	65205	5.749	5.749	1....	H1-1b
48	MP1B	PIPE_2.0	.239	2.953	7	.095	2.953		9	23088.171	32130	1.872	1.872	1....	H1-1b
49	MP2B	PIPE_2.5	.242	4.417	5	.082	4.417		2	30038.461	50715	3.596	3.596	1....	H1-1b
50	MP3B	PIPE_2.5	.167	4.417	8	.061	4.417		11	30038.461	50715	3.596	3.596	2....	H1-1b
51	MP4B	PIPE_2.0	.239	2.898	21	.107	.93		10	23088.171	32130	1.872	1.872	1....	H1-1b
52	M98	PIPE_2.0	.120	3	5	.031	3		7	28843.414	32130	1.872	1.872	2....	H1-1b
53	M99	PIPE_2.0	.120	3	5	.031	3		7	28843.414	32130	1.872	1.872	2....	H1-1b
54	M104	PIPE_2.5	.135	4.036	17	.075	10.417		7	14558.81	50715	3.596	3.596	2....	H1-1b
55	M111	PIPE_2.5	.137	8.724	5	.081	10.417		3	14558.81	50715	3.596	3.596	2....	H1-1b
56	M118	PIPE_2.5	.135	8.724	1	.075	10.417		11	14558.81	50715	3.596	3.596	2....	H1-1b
57	M121	L3X3X4	.223	2.536	11	.023	.026	y	6	40462.684	46656	1.688	3.756	2....	H2-1
58	M122	L3X3X4	.225	2.536	7	.024	2.536	y	1	40462.684	46656	1.688	3.756	2....	H2-1
59	M123	L3X3X4	.231	2.536	4	.022	0	y	4	40462.684	46656	1.688	3.756	2....	H2-1

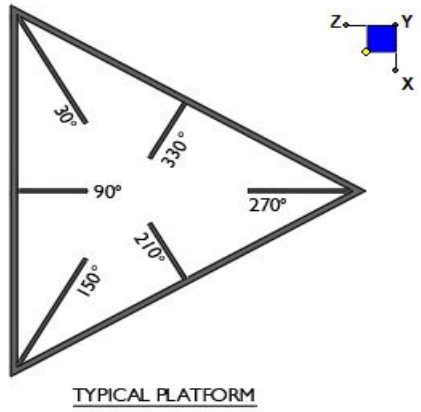
Client:	Verizon	Date:	4/20/2021
Site Name:	Mansfield NE		
Project No.	20777651A		
Title:	Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

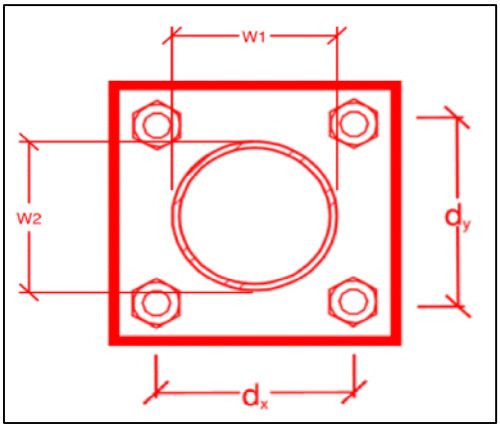
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N32	30
N30	270
N34	150



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	yes
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)*:	8
d_y (in) *(Delta Y of typ. bolt config. sketch)*:	8
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength (kips):	15.8
Required Shear Strength (kips):	4.1
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**19.0%***
Shear Capacity Overall:	**8.2%**



**Note: Tension reduction not required if tension or shear capacity < 30%*

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
Plate Width (in):	10
Plate Height (in):	10
W1 (in):	4
W2 (in):	4
Fy (ksi, plate):	36
t_{Plate} (in):	0.625
Weld Size (1/16 in):	3
Phi*Rn (kip/in):	4.18
Required Weld Strength (kip/in):	2.93
Plate Bending Capacity:	**51.5%**
Weld Capacity:	**70.2%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)*:	14.9
$Phi*Mn_{xx}$ *(kip-in)*:	31.6
Mu_{yy} *(kip-in)*:	1.4
$Phi*Mn_{yy}$ *(kip-in)*:	31.6

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

Purpose – to provide Maser Consulting Connecticut the proper documentation in order to complete the required Mount Desktop review of the Post Modification Inspection Report.

- Contractor is responsible for making certain the photos provided as noted below provide confirmation that the modification was completed in accordance with the modification drawings.
- Contractor shall relay any data that can impact the performance of the mount or the mount modification, this includes safety issues.

Base Requirements:

- Any special photos outside of the standard requirements will be indicated on the drawings
- Provide "as built drawings" showing contractor's name, preparer's signature, and date. Any deviations from the drawings (proposed modification) must be shown.
- Notation that all hardware was properly installed, and the existing hardware was inspected for any issues.
- Verification that loading is as communicated in the modification drawings. NOTE If loading is different than what is conveyed in the modification drawing contact Maser Consulting Connecticut immediately.
- Each photo should be time and date stamped
- Photos should be high resolution and submitted in a Zip File and should be organized in the file structure as depicted in Schedule A attached.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope.
- The photos in the file structure should be uploaded **to** https://pmi.vzwsmart.com as depicted on the drawings

Photo Requirements:

- *Base and "During Installation Photos"*
  - Base pictures include
    - Photo of Gate Signs showing the tower owner, site name, and number
    - Photo of carrier shelter showing the carrier site name and number if available
    - Photos of the galvanizing compound and/or paint used (if applicable), clearly showing the label and name
  - "During Installation Photos if provided - must be placed only in this folder
- *Photos taken at ground level*
  - Overall tower structure before and after installation of the modifications
  - Photos of the appropriate mount before and after installation of the modifications; if the mounts are at different rad elevations, pictures must be provided for all elevations that the modifications were installed

- *Photos taken at Mount Elevation*
    - Photos showing each individual sector before and also after installation of modifications. Each entire sector must be in one photo to show in the inter-connection of members.
        - These photos should also certify that the placement and geometry of the equipment on the mount is as depicted on the sketch and table in the mount analysis
    - Close-up photos of each installed modification per the modification drawings; pictures should also include connection hardware (U-bolts, bolts, nuts, all-threaded rods, etc.)
    - Photos showing the measurements of the installed modification member sizes (i.e. lengths, widths, depths, diameters, thicknesses)
    - Photos showing the elevation or distances of the installed modifications from the appropriate reference locations shown in the modification drawings
    - Photos showing the installed modifications onto the tower with tape drop measurements (if applicable) (i.e. ring/collar mounts, tie-backs, V-bracing kits, etc.); if the existing mount elevation needs to be changed according to the modification drawings, a tape drop measurement shall be provided before the elevation change
    - Photos showing the safety climb wire rope above and below the mount prior to modification.
    - Photos showing the climbing facility and safety climb if present.

Material Certification:

- Materials utilized must be as per specification on the drawings or the equivalent as validated by Maser Consulting Connecticut.
    - If the drawings are as specified on the drawings
        - The contractor should provide the packing list or the materials utilized to perform the mount modification
    - If an equivalent is utilized
        - It is required that the Maser Consulting Connecticut certification of such is included in the contractor submission package. There may be an additional charge for this certification if the equivalent submission doesn't meet specifications as prescribed in the drawings.
- The contractor must certify that the materials meet these specifications by one of these methods.

☐ The Material utilized was as specified on the Maser Consulting Connecticut Mount Modification Drawings and included
in the Material certification folder is a packing list or invoice for these materials

☐ The material utilized was an "equivalent" and included as part of the contractor submission is the Maser Consulting Connecticut certification, invoices, or specifications validating accepted status

Certifying Individual: Company _____

Name _____

Signature _____

Antenna & equipment placement and Geometry Confirmation:

- The contractor must certify that the antenna & equipment placement and geometry is in accordance with the antenna placement diagrams as included in this mount analysis.

☐ The contractor certifies that the photos support and the equipment on the mount is as depicted on the antenna placement diagrams as included in this mount analysis.

☐ The contractor notes that the equipment on the mount is not in accordance with the antenna placement diagrams and has accordingly marked up the diagrams or provided a diagram outlining the differences.

Certifying Individual: Company _____

Name _____

Signature _____

Special Instructions / Validation as required from the MA or Mod Drawings:

Issue:

Contractor to inspect climbing facilities at site and ensure that the safety climb is in good condition and that the wire rope does not or will not interfere with the existing or proposed mount connections. Contractor shall install safety climb wire rope guides around mount connections as needed.

Response:

Schedule A – Photo & Document File Structure

- VzW Site Number / Name
  - Base & “During Installation” Photos
  - Pre-Installation Photos
    - Alpha
    - Beta
    - Gamma
    - Ground Level
    - Tape Drop
  - Post-Installation Photos
    - Alpha
    - Beta
    - Gamma
    - Ground Level
    - Tape Drop
    - Photos of climbing facility and safety climb – If Present
  - Certifications – Submission of this document including certifications
  - Specific Required Additional Photos

Structure: 467573-VZW - NE MANSFIELD NE

Sector: **A**

Structure Type: Monopole

Mount Elev: 151.00

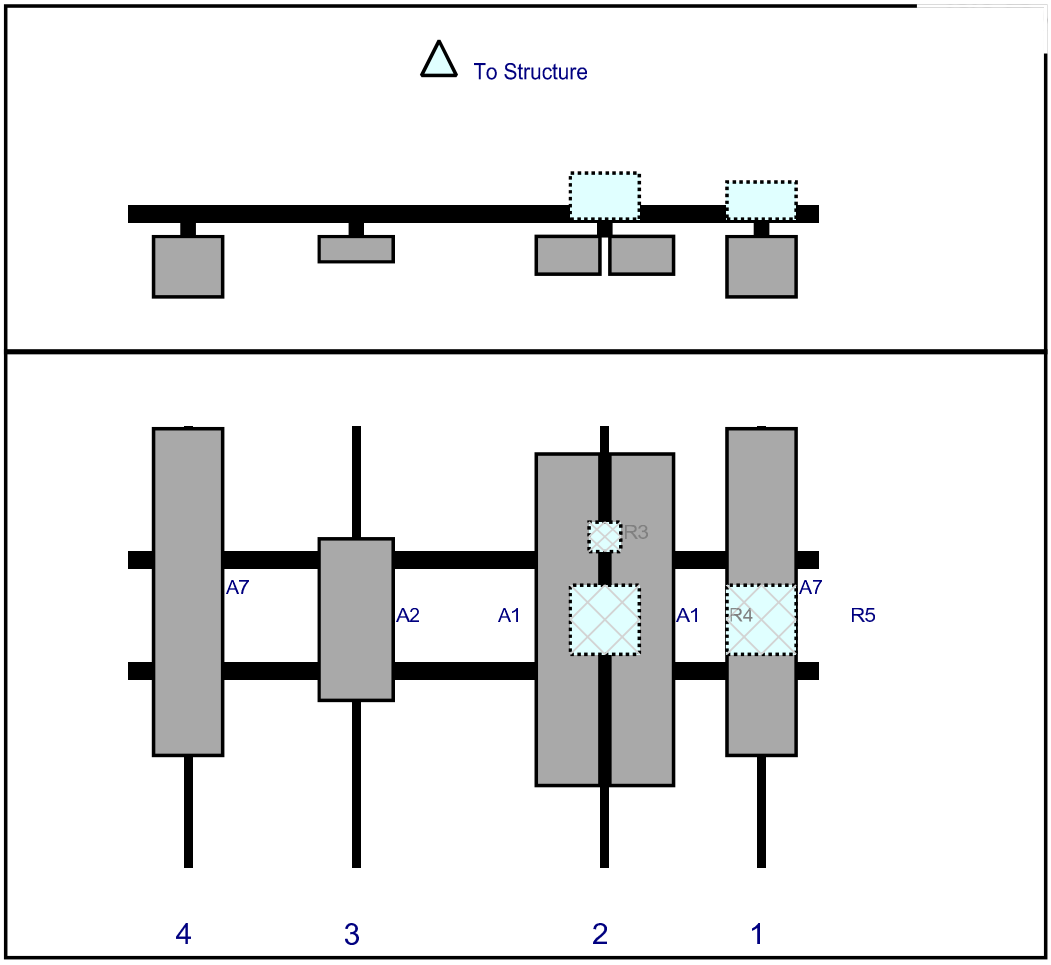
4/20/2021

Page: 1

MASER CONSULTING — CONNECTICUT —

Plan View

Front View
Looking at Structure

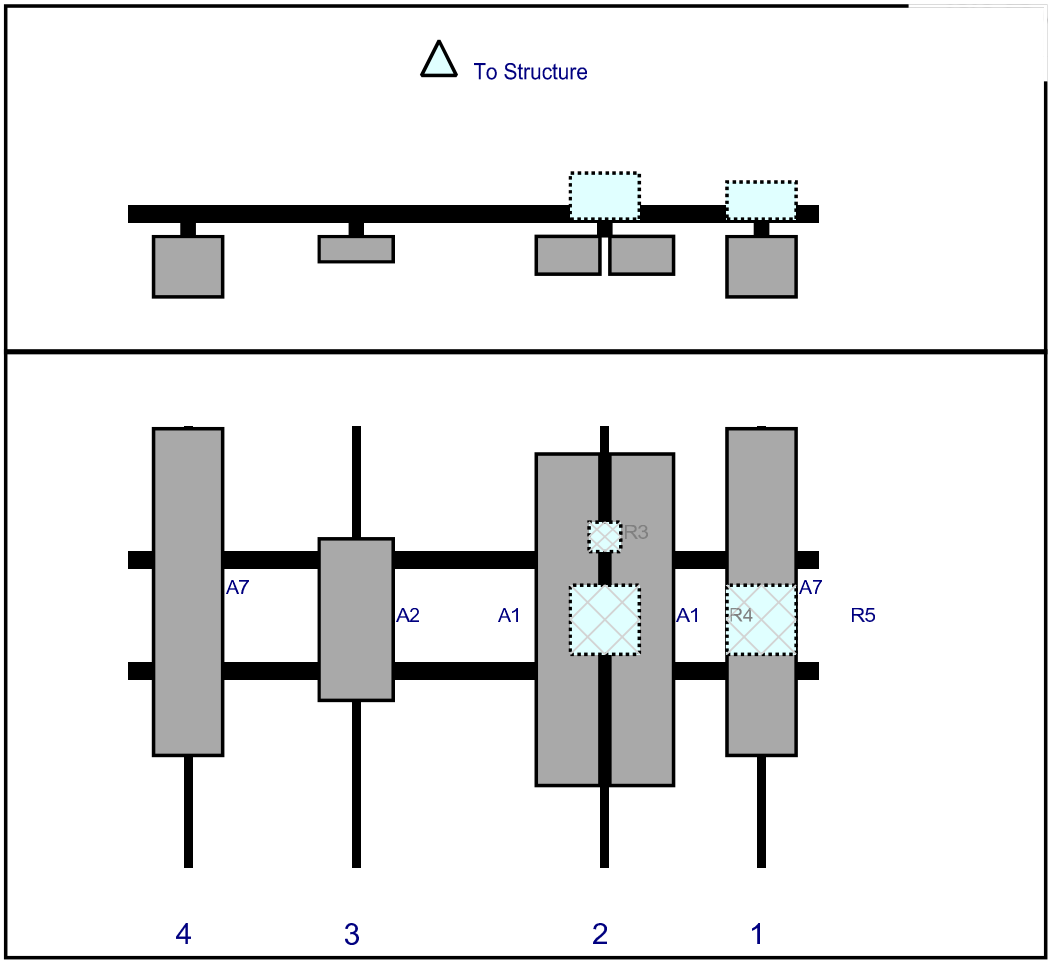


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A7	LPA-80063/6CF	70.9	15	137.5	1	a	Front	36	0	Retained	04/20/2020
R5	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	137.5	1	a	Behind	42	0	Added	
A1	JAHH-65B-R3B	72	13.8	103.5	2	a	Front	42	-8	Added	
A1	JAHH-65B-R3B	72	13.8	103.5	2	b	Front	42	8	Added	
R3	CBC78T-DS-43	6.4	6.9	103.5	2	a	Behind	24	0	Added	
R4	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	103.5	2	a	Behind	42	0	Added	
A2	MT6407-77A	35.1	16.1	49.5	3	a	Front	42	0	Added	
A7	LPA-80063/6CF	70.9	15	13	4	a	Front	36	0	Retained	04/20/2020

MASER CONSULTING — CONNECTICUT —

Plan View

Front View
Looking at Structure

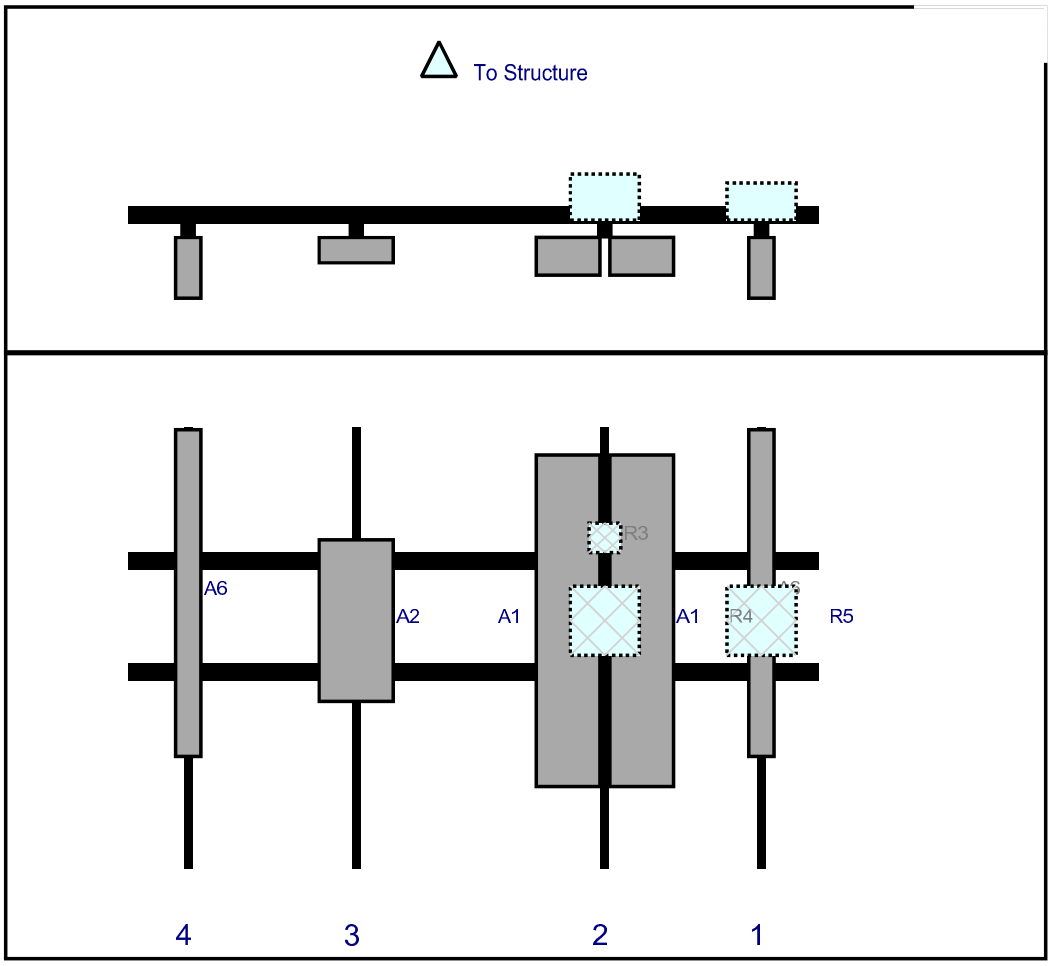


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A7	LPA-80063/6CF	70.9	15	137.5	1	a	Front	36	0	Retained	04/20/2020
R5	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	137.5	1	a	Behind	42	0	Added	
A1	JAHH-65B-R3B	72	13.8	103.5	2	a	Front	42	-8	Added	
A1	JAHH-65B-R3B	72	13.8	103.5	2	b	Front	42	8	Added	
R3	CBC78T-DS-43	6.4	6.9	103.5	2	a	Behind	24	0	Added	
R4	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	103.5	2	a	Behind	42	0	Added	
A2	MT6407-77A	35.1	16.1	49.5	3	a	Front	42	0	Added	
A7	LPA-80063/6CF	70.9	15	13	4	a	Front	36	0	Retained	04/20/2020

MASER CONSULTING — CONNECTICUT —

Plan View

Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A6	LPA-80080/6CF ___	70.9	5.5	137.5	1	a	Front	36	0	Retained	04/20/2020
R5	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	137.5	1	a	Behind	42	0	Added	
A1	JAHH-65B-R3B	72	13.8	103.5	2	a	Front	42	-8	Added	
A1	JAHH-65B-R3B	72	13.8	103.5	2	b	Front	42	8	Added	
R3	CBC78T-DS-43	6.4	6.9	103.5	2	a	Behind	24	0	Added	
R4	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	103.5	2	a	Behind	42	0	Added	
A2	MT6407-77A	35.1	16.1	49.5	3	a	Front	42	0	Added	
A6	LPA-80080/6CF ___	70.9	5.5	13	4	a	Front	36	0	Retained	04/20/2020

Maser Consulting Connecticut

Subject	TIA-222H Usage	
Site Information	Site ID:	467573-VZW / MANSFIELD NE CT
	Site Name:	MANSFIELD NE CT
	Carrier Name:	Verizon Wireless
	Address:	203 Davis Rd Chaplin, Connecticut 06235 Windham County
	Latitude:	41.793486°
	Longitude:	-72.160178°
Structure Information	Tower Type:	175-Ft Monopole
	Mount Type:	12.50-Ft Platform

To Whom It May Concern,

We respectfully submit the above referenced Antenna Mount Structural Analysis report in conformance with ANSI/TIA-222-H, Structural Standard for Antenna Supporting Structures and Antennas and Small Wind Turbine Support Structures.

The 2018 International Building Code states that, in Section 3108, telecommunication towers shall be designed and constructed in accordance with the provisions of TIA-222. TIA-222-H is the latest revision of the TIA-222 Standard, effective as of January 01, 2018.

As with all ANSI standards and engineering best practice is to apply the most current revision of the standard. This ensures the engineer is applying all updates. As an example, the TIA-222-H Standard includes updates to bring it in line with the latest AISC and ACI standards and it also incorporates the latest wind speed maps by ASCE 7 based on updated studies of the wind data.

The TIA-222-H standard clarifies these specific requirements for the antenna mount analysis such as modeling methods, seismic analysis, 30-degree increment wind directions and maintenance loading. Therefore, it is our opinion that TIA-222-H is the most appropriate standard for antenna mount structural analysis and is acceptable for use at this site to ensure the engineer is taking into account the most current engineering standard available.

Sincerely,

Dejuan Xu

Dejuan Xu, PE
Technical Specialist

MOUNT MODIFICATION DRAWINGS
EXISTING 12.50' PLATFORM

SITE NAME: MANSFIELD NE CT
SITE NUMBER: 467573

203 DAVIS RD
CHAPLIN, CT 06235
WINDHAM COUNTY

PROJECT NOTES

1. SEE MODIFICATION NOTES
2. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITY COMPANIES OR OTHER PUBLIC/GOVERNING AUTHORITIES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.
4. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE AS A RESULT OF CONSTRUCTION OF THIS FACILITY AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
6. THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
7. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING THE BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND CONSTRUCTION DRAWINGS.
8. THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THESE DRAWINGS MUST BE VERIFIED. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
9. SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE REQUIRED TO BE WORN TO ALERT OF ANY POTENTIALLY DANGEROUS EXPOSURE LEVELS.
10. NO NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS FACILITY AS TO CAUSE A NUISANCE.
11. THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION (NO HANDICAP ACCESS IS REQUIRED).

PROJECT INFORMATION

SITE INFORMATION

LATITUDE:	41.793486° N
LONGITUDE:	72.160178° W
JURISDICTION:	WINDHAM COUNTY

APPLICANT/LESSEE

COMPANY:	VERIZON WIRELESS

CLIENT REPRESENTATIVE

COMPANY:	VERIZON WIRELESS
ADDRESS:	118 FLANDERS ROAD, THIRD FLOOR
CITY, STATE, ZIP:	WESTBOROUGH, MA 01581
CONTACT:	ANDREW CANDIELLO
EMAIL:	ANDREW.CANDIELLO@VERIZONWIRELESS.COM

PROJECT MANAGER

COMPANY:	MASER CONSULTING CONNECTICUT
CONTACT:	GREG DULNIK
PHONE:	(615) 686-2575
E-MAIL:	GREG.DULNIK@COLLIERSENGINEERING.COM

SHEET INDEX

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION:	HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #:	10055817
VZW LOCATION CODE (PSLC):	467573
FUZE ID:	16272193

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

REFERENCED DOCUMENTS

FAILING MOUNT ANALYSIS REPORT

SMART TOOL PROJECT #:	10007402
MASER CONSULTING PROJECT #:	20777651A
ANALYSIS DATE:	3/15/2021

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SCALE:	JOB NUMBER:
AS SHOWN	20777651A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
0	4/21/2021	ISSUED FOR CONSTRUCTION	FAC	ASN

Alec S. Norris
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NUMBER: 32500
MASER CONSULTING
CT C.O.A. # PEC.0001414
Digitally signed by Alec Norris
Date: 2021.04.21 14:11:47 -04'00'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE NAME:
MANSFIELD NE CT
467573

203 DAVIS RD
CHAPLIN, CT 06235
WINDHAM COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE: TITLE SHEET

SHEET NUMBER: T-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

BILL OF MATERIALS

VZWSMART KITS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
1	VZWSMART	VZWSMART-PLK1	SUPPORT RAIL KIT	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2.

OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES

NOTE: ALL MATERIALS REQUIRED FOR THE DESIGNED MODIFICATIONS BUT NOT LISTED IN THIS SHEET ARE ASSUMED TO BE PROVIDED BY THE CONTRACTOR

VZWSMART KITS - APPROVED VENDORS

COMMSCOPE	
CONTACT	SALVADOR ANGUIANO
PHONE	(817) 304-7492
EMAIL	SALVADOR.ANGUIANO@COMMSCOPE.COM
WEBSITE	WWW.COMMSCOPE.COM
METROSITE FABRICATORS, LLC	
CONTACT	KENT RAMEY
PHONE	(706) 335-7045 (O), (706) 982-9788 (M)
EMAIL	KENT@METROSITELLC.COM
WEBSITE	METROSITEFABRICATORS.COM
PERFECTVISION	
CONTACT	WIRELESS SALES
PHONE	(844) 887-6723
EMAIL	WWW.PERFECT-VISION.COM
WEBSITE	WIRELESSSALES@PERFECT-VISION.COM
SABRE INDUSTRIES, INC.	
CONTACT	ANGIE WELCH
PHONE	(866) 428-6937
EMAIL	AKWELCH@SABREINDUSTRIES.COM
WEBSITE	WWW.SABRESITESOLUTIONS.COM
SITE PRO 1	
CONTACT	PAULA BOSWELL
PHONE	(972) 236-9843
EMAIL	PAULA.BOSWELL@VALMONT.COM
WEBSITE	WWW.SITEPRO1.COM

NOTE: WHEN SPECIFIED, VZWSMART KITS SHALL BE REQUIRED AND WILL BE VERIFIED DURING THE DESKTOP PMI

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SCALE: AS SHOWN | JOB NUMBER: 20777651A

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-	-	-	-	-
-	-	-	-	-
0	4/21/2021	ISSUED FOR CONSTRUCTION	FAC	ASN

Alec S. Norris
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NUMBER: 32500
MASER CONSULTING
CT C.O.A # PEC.0001
Digitally signed by Alec Norris
Date: 2021.04.21 14:11:53 -04'00'

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467573

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WINDHAM COUNTY

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2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE: BILL OF MATERIALS

SHEET NUMBER: S-1

GENERAL NOTES

1. THESE MODIFICATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE TELECOMMUNICATIONS INDUSTRY STANDARD TIA-222-H. MATERIALS AND SERVICES PROVIDED BY THE CONTRACTOR SHALL CONFORM TO THE ABOVE MENTIONED CODES.
2. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT DAMAGE TO EXISTING STRUCTURES. ANY DAMAGE TO EXISTING STRUCTURES AS A RESULT OF THE CONTRACTOR'S WORK OR FROM DAMAGE DUE TO OTHER CAUSES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE BEGINNING WORK, ORDERING MATERIAL, AND PREPARING OF SHOP DRAWINGS. ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER. IF THE CONTRACTOR DISCOVERS ANY EXISTING CONDITIONS THAT ARE NOT REPRESENTED ON THESE DRAWINGS, OR ANY CONDITIONS THAT WOULD INTERFERE WITH THE INSTALLATION OF THE MODIFICATIONS, NOTIFY THE ENGINEER IMMEDIATELY.
4. IT IS ASSUMED THAT ANY STRUCTURAL MODIFICATION WORK SPECIFIED ON THESE PLANS WILL BE ACCOMPLISHED BY KNOWLEDGEABLE WORKMEN WITH TOWER CONSTRUCTION EXPERIENCE.
5. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS, MEANS, TECHNIQUES, SEQUENCES, AND PROCEDURES.
6. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN AND SHALL MEET ANSI/TIA-322 (LATEST EDITION), OSHA, AND GENERAL INDUSTRY STANDARDS. ALL RIGGING PLANS SHALL ADHERE TO ANSI/TIA-322 (LATEST EDITION) INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION.
7. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PROGRAMS IN ACCORDANCE WITH APPLICABLE SAFETY CODES.
8. WORK SHALL ONLY BE PERFORMED DURING CALM DRY DAYS (WINDS LESS THAN 30-MPH). THE STRUCTURE SHOWN ON THE DRAWINGS IS STRUCTURALLY SOUND ONLY IN THE COMPLETED FORM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STRENGTH AND STABILITY OF THE STRUCTURE DURING ERECTION. CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT, SHORING, BRACING AND ANY OTHER STRUCTURAL SYSTEMS AS REQUIRED TO RESIST ALL FORCES THAT MAY OCCUR DURING HANDLING AND ERECTION UNTIL THE STRUCTURE IS FULLY COMPLETED. TEMPORARY SUPPORTS, BRACING AND OTHER STRUCTURAL SYSTEMS REQUIRED DURING CONSTRUCTION SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER THEIR USE.
9. ALL INSTALLATIONS PERFORMED ON THIS STRUCTURE SHALL BE COMPLETED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE STANDARD FOR INSTALLATION, ALTERATION AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS, ANSI/TIA-322.
10. CONTRACTOR SHALL SECURE SITE BACK TO EXISTING CONDITION UNDER SUPERVISION OF OWNER. ALL FENCE, STONE, GEOFABRIC, GROUNDING, AND SURROUNDING GRADE SHALL BE REPLACED AND REPAIRED AS REQUIRED TO ACHIEVE OWNER APPROVAL. POSITIVE DRAINAGE AWAY FROM TOWER SITE SHALL BE MAINTAINED.
11. CONNECTIONS BETWEEN ITEMS SUPPORTED BY THE STRUCTURE AND THE STRUCTURE NOT SPECIFICALLY DETAILED IN THE CONTRACT DOCUMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR. SUCH CONNECTIONS SHALL BE DESIGNED, COORDINATED AND INSPECTED BY A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE OF THE PROJECT. SUBMIT SIGNED AND SEALED CALCULATIONS DURING SHOP DRAWING REVIEW.
12. DO NOT SCALE DRAWINGS.
13. DO NOT USE THESE DRAWINGS FOR ANY OTHER SITE.
14. ALL MATERIAL UTILIZED FOR THIS PROJECT MUST BE NEW AND FREE OF ANY DEFECTS. ANY MATERIAL SUBSTITUTIONS, INCLUDING BUT NOT LIMITED TO ALTERED SIZE AND/OR STRENGTHS, MUST BE APPROVED BY THE OWNER AND ENGINEER IN WRITING.
15. THE MOUNT UNDER NO CIRCUMSTANCES SHOULD BE USED AS A TIE OFF POINT.

DESIGN LOADS

WIND LOADS

a. BASIC WIND SPEED (3 SECOND GUST), V = 120 MPH

b. EXPOSURE CATEGORY B

c. TOPOGRAPHIC CATEGORY 1

d. MEAN BASE ELEVATION (AMSL) = 491.33'

ICE LOADS

a. ICE WIND SPEED (3 SECOND GUST), V = 50 MPH

b. ICE THICKNESS = 1.00 IN

SEISMIC LOADS

a. SEISMIC DESIGN CATEGORY B

b. SHORT TERM MCER GROUND MOTION, S_S = .185

c. LONG TERM MCER GROUND MOTION, S_1 = .055

STRUCTURAL STEEL

1. DESIGN, DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING PUBLICATIONS EXCEPT AS SPECIFICALLY INDICATED IN THE CONTRACT DOCUMENTS.
   a. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION (15TH EDITION)
   b. SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS
   c. AISC CODE OF STANDARD PRACTICE
2. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE SHOWN:

CHANNELS, ANGLES, PLATES, ETC.	ASTM A36 (GR 36)
STEEL PIPE	ASTM A53 (GR 35)
BOLTS	ASTM A325
NUTS	ASTM A563
LOCK WASHERS	LOCKING STRUCTURAL GRADE

3. ALL SUBSTITUTIONS PROPOSED BY THE CONTRACTOR SHALL BE APPROVED IN WRITING BY THE ENGINEER. CONTRACTOR SHALL PROVIDE DOCUMENTATION TO ENGINEER FOR VERIFYING THE SUBSTITUTE IS SUITABLE FOR USE AND MEETS ORIGINAL DESIGN CRITERIA. DIFFERENCES FROM THE ORIGINAL DESIGN, INCLUDING MAINTENANCE, REPAIR AND REPLACEMENT, SHALL BE NOTED. ESTIMATES OF COSTS/CREDITS ASSOCIATED WITH THE SUBSTITUTION (INCLUDING RE-DESIGN COSTS AND COSTS TO SUB-CONTRACTORS) SHALL BE PROVIDED TO THE ENGINEER. CONTRACTOR SHALL PROVIDE ADDITIONAL DOCUMENTATION AND/OR SPECIFICATIONS TO THE ENGINEER AS REQUESTED.
4. PROVIDE STRUCTURAL STEEL SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
   a. SUBMIT SHOP DRAWINGS TO GREG.DULNIK@COLLIERSENGINEERING.COM
   b. PROVIDE MASER CONSULTING PROJECT # AND MASER CONSULTING PROJECT ENGINEER CONTACT IN THE BODY OF THE EMAIL.
5. DRILL NO HOLES IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBERS OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
6. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
7. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING STEEL. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
8. ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES TO BE INSTALLED IN ACCORDANCE WITH TIA-222-H SECTION 4.9.2 REQUIREMENTS.
9. WHERE CONNECTIONS ARE NOT FULLY DETAILED ON THESE DRAWINGS, FABRICATOR SHALL DESIGN CONNECTIONS TO RESIST LOADS AND FORCES WHERE SHOWN ON DRAWINGS AND AS OUTLINED IN SPECIFICATIONS.
10. FOR MEMBERS BEING REPLACED, PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GRADE. MAINTAIN AISC REQUIREMENTS FOR MINIMUM BOLT DISTANCE AND SPACING.
11. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT IS AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.
12. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
13. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
14. ALL EXISTING PAINTED/GALVANIZED SURFACES DAMAGED DURING REHAB INCLUDING AREAS UNDER STIFFENER PLATES SHALL BE WIRE BRUSHED CLEAN, REPAIRED BY COLD GALVANIZING (ZINGA OR ZINC COTE), AND REPAINTED TO MATCH THE EXISTING FINISH (IF APPLICABLE).
15. ALL HOLES IN STEEL MEMBERS SHALL BE SIZED 1/16" LARGER THAN THE BOLT DIAMETER. STANDARD HOLES SHALL BE USED UNLESS NOTED OTHERWISE.

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SCALE: AS SHOWN
JOB NUMBER: 20777651A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
0	4/21/2021	ISSUED FOR CONSTRUCTION	FAC	ASN

Alec S. Norris
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NUMBER: 32588
MASER CONSULTING
C.T. C.O.A # JPC.0001
Digitally signed by Alec Norris
Date: 2021.04.21 14:11:58-04'00'

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SITE NAME:
MANSFIELD NE CT
467573

203 DAVIS RD
CHAPLIN, CT 06235
WINDHAM COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE: MODIFICATION NOTES

SHEET NUMBER: S-2

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

MODIFICATION INSPECTION NOTES

MI CHECKLIST	
CONSTRUCTION/ INSTALLATION INSPECTIONS AND TESTING REQUIRED (COMPLETED BY EOR)	REPORT ITEM
	PRE-CONSTRUCTION
X	MI CHECKLIST DRAWING
X	EOR APPROVED SHOP DRAWINGS
NA	FABRICATION INSPECTION
NA	FABRICATOR CERTIFIED WELD INSPECTION
X	MATERIAL TEST REPORT (MTR)
NA	FABRICATOR NDE INSPECTION
X	PACKING SLIPS
ADDITIONAL TESTING AND INSPECTIONS:	
	CONSTRUCTION
X	CONSTRUCTION INSPECTIONS
NA	CONTRACTOR'S CERTIFIED WELD INSPECTION AND NDE REPORTS
X	ON SITE COLD GALVANIZING VERIFICATION
X	GC AS-BUILT DOCUMENTS
ADDITIONAL TESTING AND INSPECTIONS:	
	POST-CONSTRUCTION
X	MI INSPECTOR REDLINE OR RECORD DRAWING(S)
X	VZW PMI DOCUMENTS
X	PHOTOGRAPHS
ADDITIONAL TESTING AND INSPECTIONS:	

NOTE: X DENOTES A DOCUMENT REQUIRED FOR THE MI REPORT
NA DENOTES A DOCUMENT THAT IS NOT REQUIRED FOR THE MI REPORT

THE MODIFICATION INSPECTION (MI) IS A VISUAL INSPECTION OF MODIFICATIONS AND A REVIEW OF CONSTRUCTION INSPECTIONS AND OTHER REPORTS TO ENSURE THE INSTALLATION WAS CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, NAMELY THE MODIFICATION DRAWINGS, AS DESIGNED BY THE ENGINEER OF RECORD (EOR).

THE MI IS TO CONFIRM INSTALLATION CONFIGURATION AND WORKMANSHIP ONLY AND IS NOT A REVIEW OF THE MODIFICATION DESIGN ITSELF, NOR DOES THE MI INSPECTOR TAKE OWNERSHIP OF THE MODIFICATION DESIGN. OWNERSHIP OF THE STRUCTURAL MODIFICATION DESIGN EFFECTIVENESS AND INTEGRITY RESIDES WITH THE EOR AT ALL TIMES.

TO ENSURE THAT THE REQUIREMENTS OF THE MI ARE MET, IT IS VITAL THAT THE GENERAL CONTRACTOR (GC) AND THE MI INSPECTOR BEGIN COMMUNICATING AND COORDINATING AS SOON AS A PURCHASE ORDER (PO) IS RECEIVED. IT IS EXPECTED THAT EACH PARTY WILL BE PROACTIVE IN REACHING OUT TO THE OTHER PARTY.

MI INSPECTOR

THE MI INSPECTOR IS REQUIRED TO CONTACT THE GC AS SOON AS RECEIVING A PO FOR THE MI TO, AT A MINIMUM:

- REVIEW THE REQUIREMENTS OF THE MI CHECKLIST
- WORK WITH THE GC TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE INSPECTIONS

THE MI INSPECTOR IS RESPONSIBLE FOR COLLECTING ALL GC INSPECTION AND TEST REPORTS, REVIEWING THE DOCUMENTS FOR ADHERENCE TO THE CONTRACT DOCUMENTS, CONDUCTING THE IN-FIELD INSPECTIONS, AND SUBMITTING THE MI REPORT TO EOR.

GENERAL CONTRACTOR

THE GC IS REQUIRED TO CONTACT THE MI INSPECTOR AS SOON AS RECEIVING A PO FOR THE MODIFICATION INSTALLATION OR TURNKEY PROJECT TO, AT A MINIMUM:

- REVIEW THE REQUIREMENTS OF THE MI CHECKLIST
- WORK WITH THE MI INSPECTOR TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE MI INSPECTIONS, INCLUDING FOUNDATION INSPECTIONS
- BETTER UNDERSTAND ALL INSPECTION AND TESTING REQUIREMENTS

THE GC SHALL PERFORM AND RECORD THE TEST AND INSPECTION RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE MI CHECKLIST.

RECOMMENDATIONS

THE FOLLOWING RECOMMENDATIONS AND SUGGESTIONS ARE OFFERED TO ENHANCE THE EFFICIENCY AND EFFECTIVENESS OF DELIVERING AN MI REPORT:

- IT IS SUGGESTED THAT THE GC PROVIDE A MINIMUM OF 5 BUSINESS DAYS NOTICE, PREFERABLY 10, TO THE MI INSPECTOR AS TO WHEN THE SITE WILL BE READY FOR THE MI TO BE CONDUCTED.
- THE GC AND MI INSPECTOR COORDINATE CLOSELY THROUGHOUT THE ENTIRE PROJECT.
- WHEN POSSIBLE, IT IS PREFERRED TO HAVE THE GC AND MI INSPECTOR ON-SITE SIMULTANEOUSLY FOR ANY GUY WIRE TENSIONING OR RE-TENSIONING OPERATIONS.
- IT MAY BE BENEFICIAL TO INSTALL ALL MODIFICATIONS PRIOR TO CONDUCTING THE FOUNDATION INSPECTIONS TO ALLOW THE FOUNDATION AND MI INSPECTION(S) TO COMMENCE WITH ONE SITE VISIT.
- WHEN POSSIBLE, IT IS PREFERRED TO HAVE THE GC AND MI INSPECTOR ON-SITE DURING THE MI TO HAVE ANY DEFICIENCES CORRECTED DURING THE INITIAL MI. THEREFORE, THE GC MAY CHOOSE TO COORDINATE THE MI CAREFULLY TO ENSUREALL CONSTRUCTION FACILITIES ARE AT THEIR DISPOSAL WHEN THE MI INSPECTOR IS ON SITE.

CORRECTION OF FAILING MI'S

IF THE MODIFICATION INSTALLATION WOULD FAIL THE MI ("FAILED MI"), THE GC SHALL WORK WITH THE OWNER TO COORDINATE A REMEDIATION PLAN:

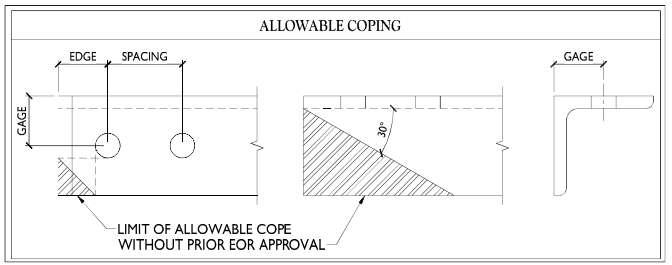
- CORRECT FAILING ISSUES TO COMPLY WITH THE SPECIFICATIONS CONTAINED IN THE ORIGINAL CONTRACT DOCUMENTS AND COORDINATE A SUPPLEMENT MI.

REQUIRED PHOTOS

BETWEEN THE GC AND THE MI INSPECTOR THE FOLLOWING PHOTOGRAPHS, AT A MINIMUM, ARE TO BE TAKEN AND INCLUDED INTHE MI REPORT:

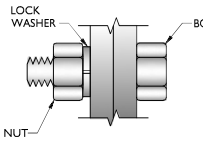
- PRE-CONSTRUCTION GENERAL SITE CONDITION
- PHOTOGRAPHS DURING THE REINFORCEMENT MODIFICATION CONSTRUCTION/ERECTION AND INSPECTION
  - RAW MATERIALS
  - PHOTOS OF ALL CRITICAL DETAILS
  - FOUNDATION MODIFICATIONS
  - WELD PREPARATION
  - BOLT INSTALLATION
  - FINAL INSTALLED CONDITION
  - SURFACE COATING REPAIR
- POST CONSTRUCTION PHOTOGRAPHS
  - FINAL INFIELD CONDITION

PHOTOS OF ELEVATED MODIFICATIONS TAKEN ONLY FROM THE GROUND SHALL BE CONSIDERED INADEQUATE.



BOLT SCHEDULE (IN.)				
BOLT DIAMETER	STANDARD HOLE	SHORT SLOT	MIN. EDGE DISTANCE	SPACING
1/2	9/16	9/16 x 11/16	7/8	1 1/2
5/8	11/16	11/16 x 7/8	1 1/8	1 7/8
3/4	13/16	13/16 x 1	1 1/4	2 1/4
7/8	15/16	15/16 x 1 1/8	1 1/2	2 5/8
1	1 1/16	1 1/16 x 1 5/16	1 3/4	3

WORKABLE GAGES (IN.)	
LEG	GAGE
4	2 1/2
3 1/2	2
3	1 3/4
2 1/2	1 3/8
2	1 1/8



TYP. BOLT ASSEMBLY

NOTES:

1. ALL DIMENSIONS REPRESENTED IN THE ABOVE TABLES ARE AISC MINIMUM REQUIREMENTS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ENGINEER IF DISTANCES ARE LESS THAN THOSE PROVIDED.
2. THE DIMENSIONS PROVIDED ARE MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS OF PROPOSED MEMBERS WITHIN THESE DRAWINGS MAY VARY FROM THE AISC MINIMUM REQUIREMENTS.
3. SHORT SLOT HOLES SHALL ONLY BE USED WHEN DEPICTED IN THE DRAWINGS
4. MATCH EXISTING GAGES WHEN APPLICABLE, UNLESS MINIMUM EDGE DISTANCES ARE COMPROMISED.

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SCALE: AS SHOWN | JOB NUMBER: 20777651A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	4/21/2021	ISSUED FOR CONSTRUCTION	FAC	ASN

Alec S. Norris
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NUMBER: 32500
MASER CONSULTING
CT C.O.A. # PEC.0001944

Digitally signed by Alec Norris
Date: 2021.04.21 14:12:03-04'00'

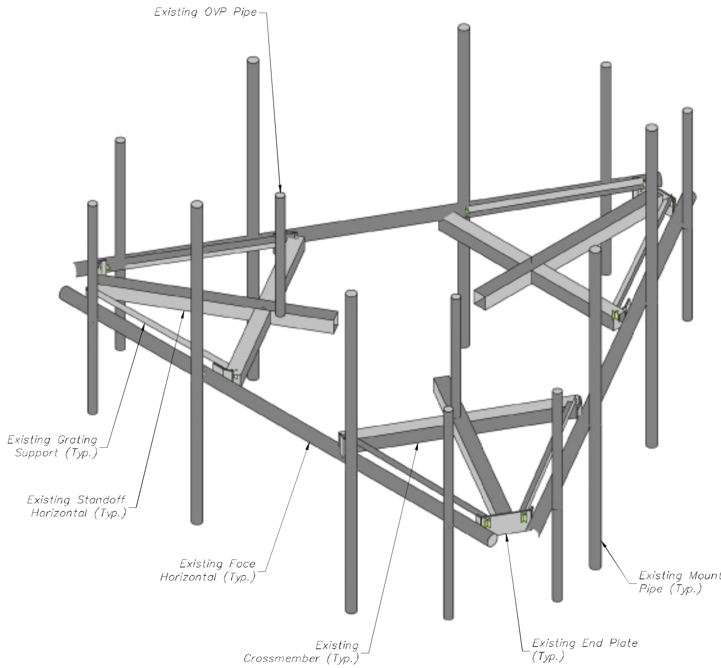
SITE NAME:
MANSFIELD NE CT
467573

203 DAVIS RD
CHAPLIN, CT 06235
WINDHAM COUNTY

*Ft. Laurel Office
2000 Midlantic Drive
Suite 100
*Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

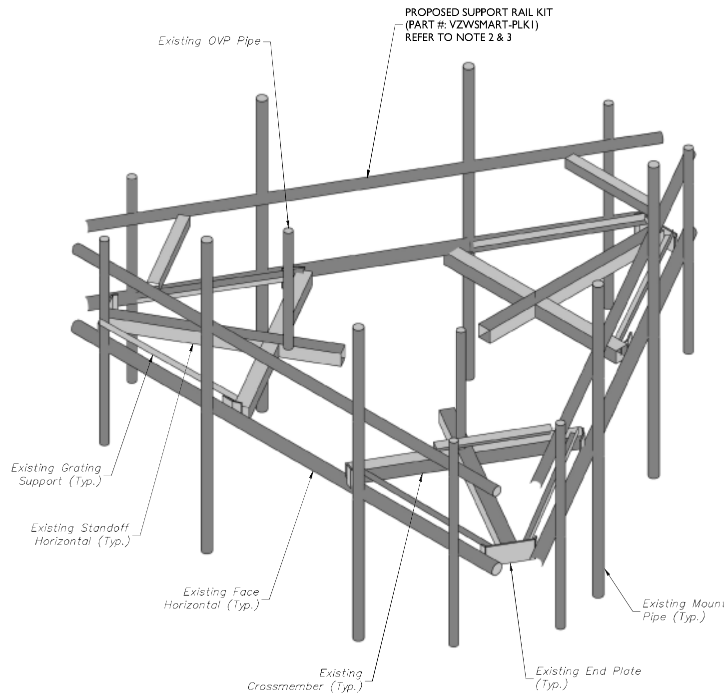
SHEET TITLE: MODIFICATION NOTES

SHEET NUMBER: S-3



1 EXISTING PLATFORM ISOMETRIC VIEW

SCALE : N.T.S.



2 PROPOSED PLATFORM ISOMETRIC VIEW

SCALE : N.T.S.

STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY HIGHTOWER SOLUTIONS INC. ON 4/20/2020, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (151'-0") ARE IN GOOD CONDITION. MASER DOES NOT WARRANT THIS INFORMATION.
2. INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES.

MODIFICATION NOTES:

1. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
2. CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2.
3. RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE.
4. CONTRACTOR TO INSPECT CLIMBING FACILITIES AT SITE AND ENSURE THAT THE SAFETY CLIMB IS IN GOOD CONDITION AND THAT THE WIRE ROPE DOES NOT INTERFERE WITH THE EXISTING MOUNT CONNECTIONS. CONTRACTOR SHALL INSTALL SAFETY CLIMB WIRE ROPE GUIDES AROUND MOUNT CONNECTIONS AS NEEDED.

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SCALE:	JOB NUMBER:
AS SHOWN	20777651A

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-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
0	4/21/2021	ISSUED FOR CONSTRUCTION	FAC	ASN

Alec S. Norris
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NUMBER: 32500
MASER CONSULTING
C.T. C.O.A. # PEC.0001334
Digitally signed by Alec Norris
Date: 2021.04.21 14:12:07 -04'00'

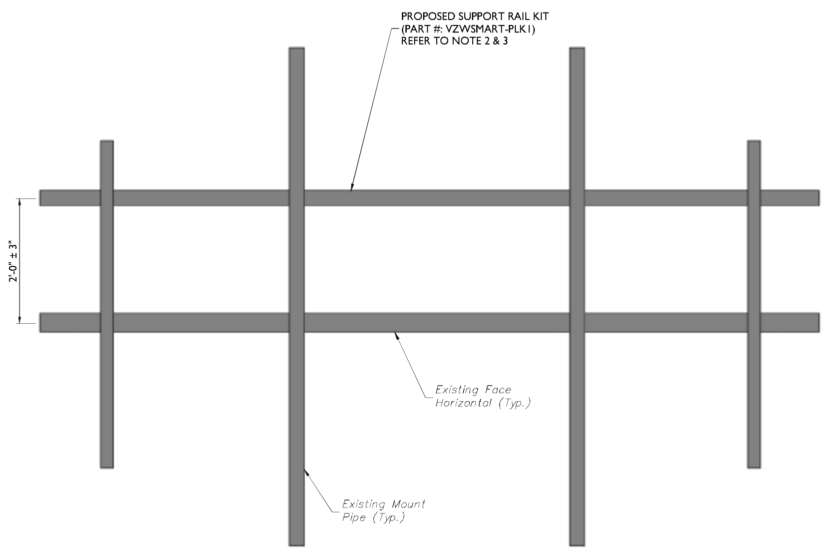
SITE NAME:
MANSFIELD NE CT
467573

203 DAVIS RD
CHAPLIN, CT 06235
WINDHAM COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

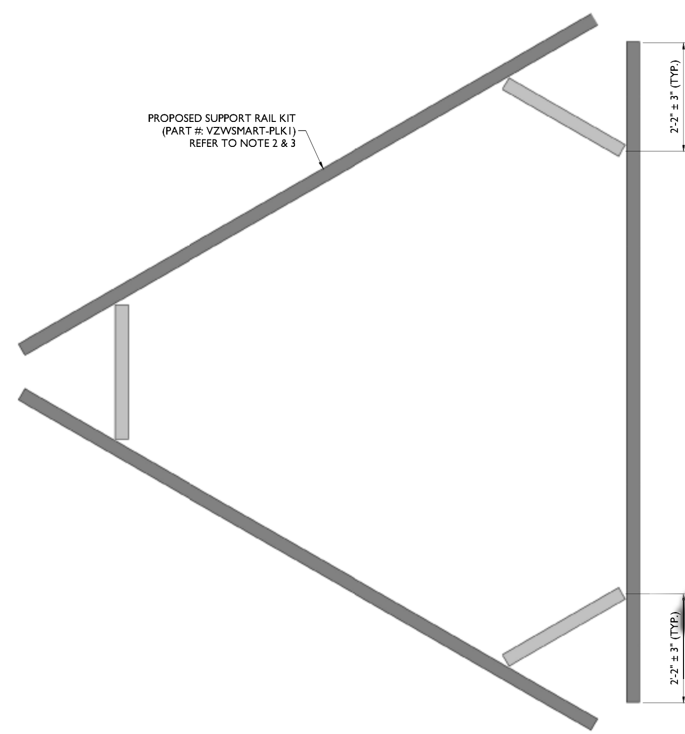
SHEET TITLE:
MODIFICATION DETAILS

SHEET NUMBER:
S-4



1 PROPOSED FRONT ELEVATION (TYP. ALL SECTORS)

SCALE : N.T.S.



2 PROPOSED FRAME PLAN

SCALE : N.T.S.

MODIFICATION NOTES:

1. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
2. CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2.
3. RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE.
4. CONTRACTOR TO INSPECT CLIMBING FACILITIES AT SITE AND ENSURE THAT THE SAFETY CLIMB IS IN GOOD CONDITION AND THAT THE WIRE ROPE DOES NOT INTERFERE WITH THE EXISTING MOUNT CONNECTIONS. CONTRACTOR SHALL INSTALL SAFETY CLIMB WIRE ROPE GUIDES AROUND MOUNT CONNECTIONS AS NEEDED.

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SCALE:	JOB NUMBER:
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REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
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-	-	-	-	-
-	-	-	-	-
0	4/21/2021	ISSUED FOR CONSTRUCTION	FAC	ASN

Alec S. Norris
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NUMBER: 32500
MASER CONSULTING
CT C.O.A # PEC.0001269
Digitally signed by Alec Norris
Date: 2021.04.21 14:12:13-04'00'

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SITE NAME:
MANSFIELD NE CT
467573

203 DAVIS RD
CHAPLIN, CT 06235
WINDHAM COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
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Fax: 856.722.1120

SHEET TITLE:
MODIFICATION DETAILS

SHEET NUMBER:
S-5

MOUNT PHOTO 1

MOUNT PHOTO 2

MOUNT PHOTO 3

MOUNT PHOTO 4

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SCALE:	JOB NUMBER:
AS SHOWN	20777651A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
0	4/21/2021	ISSUED FOR CONSTRUCTION	FAC	ASN

Alec S. Norris
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NUMBER: 32500
MASER CONSULTING
CT C.O.A. # PEC
Digitally signed by Alec Norris
Date: 2021.04.21 14:12:18-04'00'

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SITE NAME:
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467573

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MT. LAUREL OFFICE
2000 Midlantic Drive
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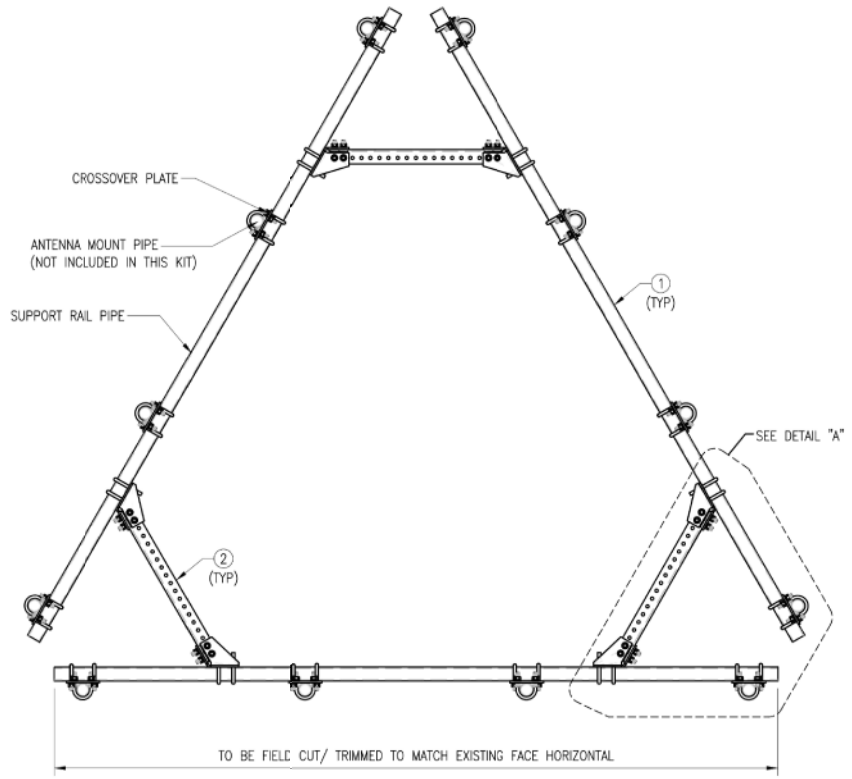
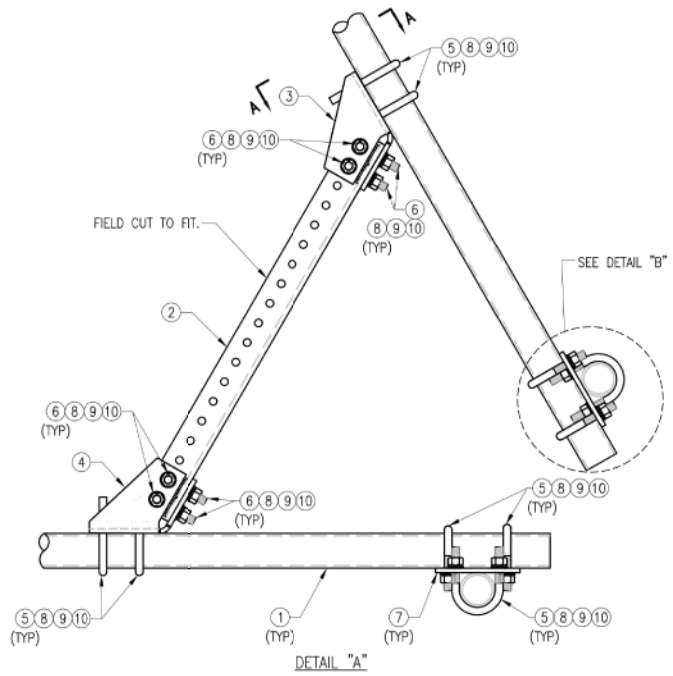
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE:
MOUNT PHOTOS

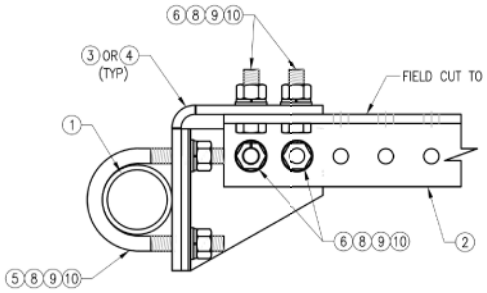
SHEET NUMBER:
S-6



PLAN VIEW



DETAIL "A"



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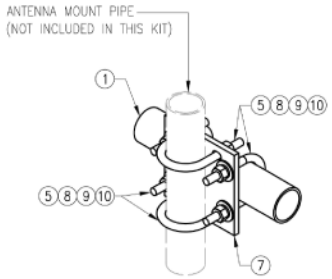


DETAIL "B"

NOTES:
1. HOT-DIPPED GALVANIZED PER ASTM A123.

VZW SMART-PLK1 (SUPPORT RAIL KIT)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	PST2875-12.5	2.5" PST (2.875" O.D. X 0.203" THK.) X 12'-6" A53 GR-B	PLK1-F1	292
2	3	L33375-3	L 3" X 3" X 3/8" X 3'-0" A36	PLK1-F1	66
3	3	CBP-L	CORNER BENT PLATE BRACKET	PLK1-F2	28
4	3	CBP-R	CORNER BENT PLATE BRACKET	PLK1-F2	28
5	60	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	82
6	24	---	BOLT 5/8" X 2" A325	---	9
7	12	PL375-857	PL 3/8" X 8 1/2" X 7'-0" A36	PLK1-F3	77
8	144	FW-625	5/8" HDG USS FLAT WASHER	---	12
9	144	LW-625	5/8" HDG LOCK WASHER	---	3
10	144	NUT-625	5/8" HDG HEX NUT	---	17
				GALVANIZED WT	504

VzW SMART Tool© Vendor

verizon

DRAWN BY: H.R | CHECKED BY: HMA

REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:
VZWSMART-PLK1
SUPPORT RAIL KIT

SHEET NUMBER: VZWSMART-PLK1

REV #: 0

ATTACHMENT 5

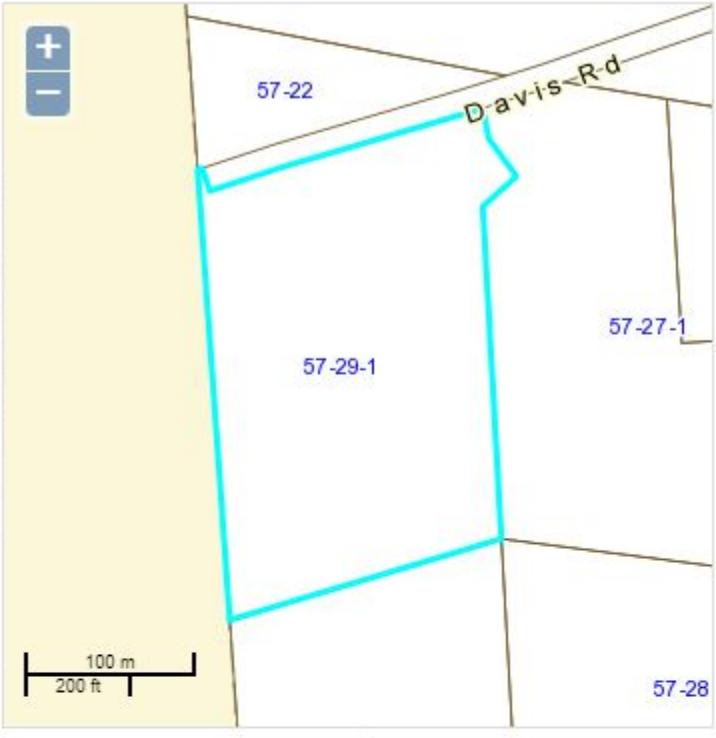
Town of Chaplin, Connecticut

Property Record Card

Card 1 of 1

203 DAVIS RD

ID: **57-29-1** Account #: **P000791**



Owner: PEARL TRUMAN J
Co-Owner:
Address: 203 DAVIS RD
CHAPLIN CT 06235

Assessment: Total: $146,300
Building: $90,400 Land: $35,900 Yard: $20,000

Sales History

Grantee	Book / Page	Sale Date	Sale Price
PEARL TRUMAN J	51/ 677		$0

MainStreetGIS

MainStreetGIS, LLC
www.mainstreetgis.com

Land Information
Land Area: 6.26 AC Zoning:
Land Use: 101 - Single Family
Neighborhood:

Building Information
Style: Cape Cod
Year Built: 1987
Rooms: 6 Bedrooms: 03
Baths: 2 Half Baths: 1
Living Area: 1517
Gross Area: 3076

Stories: 1.7
Heat Fuel: Oil
Heat Type: Hot Water
AC Type: None
Roof Structure: Gable
Roof Covering: Asphalt Shingl

Extra Features

Description	Area / Units	Assessment
Canopy	420	3700
Garage	360	5300
Garage	420	6200
Shed	540	4800

Sub Areas

Description	Living Area	Gross Area
First Floor	946	946
Framed Open Porch	0	210
Wood Deck	0	288
Three Quarter Story	571	816
Basement	0	816

ATTACHMENT 6

UNITED STATES POSTAL SERVICE®

MANSFIELD NE

Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here *Postmark with Date of Receipt.*
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	3	3	neopost 10/13/2021 US POSTAGE $002.99 ZIP 06103 041L12203837
	Postmaster, per *(name of receiving employee)*		

OLD STATE HOUSE STATION 06103
OCT 13 2021
USPS

USPS® Tracking Number / Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	William Rose, First Selectman Town of Chaplin 495 Phoenixville Road Chaplin, CT 06235				
2.	James Gigliotti, Zoning Officer Town of Chaplin 495 Phoenixville Road Chaplin, CT 06235				
3.	Truman Pearl 203 Davis Road Chaplin, CT 06235				
4.					
5.					
6.					