Robinson+Cole

KENNETH C. BALDWIN

280 Trumbull Street
Hartford, CT 06103-3597
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Also admitted in Massachusetts
and New York

August 16, 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**
2895 State Street, Hamden, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains an existing wireless telecommunications facility at the above-referenced property address (the "Property"). The facility consists of antennas and remote radio heads attached to a tower and related equipment on the ground, near the base of the tower. The tower was approved by the Town of Hamden ("Town") in November 1999. Cellco's shared use of the tower was approved by the Council in June 2014 (TS-VER-062-140522). A copy of the Town's original tower approval and Cellco's 2014 Siting Council approval are included in Attachment 1.

Cellco now intends to modify its facility by replacing nine (9) existing antennas with three (3) new Samsung MT6407-77A antennas and six (6) new MX06FRO660-03 antennas on Cellco's existing antenna platform. A set of project plans showing Cellco's proposed facility modifications and new antennas 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 Hamden's Chief Elected Official and Land Use Officer.

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

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

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

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

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

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

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

A copy of the parcel map and Property owner information is included in 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:

Curt Leng, Mayor for the Town of Hamden
Erik Johnson, Hamden Acting Town Planner
Joseph Farricielli, Property Owner
Alex Tyurin

ATTACHMENT 1

DOC 5359
Time 3:55

TOWN OF HAMDEN
PLANNING AND ZONING COMMISSION

SPECIAL PERMIT NO: 99-887

THE HAMDEN PLANNING AND ZONING COMMISSION HEREBY GRANTS A SPECIAL PERMIT IN ACCORDANCE WITH SECTION 737 OF THE HAMDEN ZONING REGULATIONS TO PERMIT THE FOLLOWING USE: Telecommunications Facility / Tower & Antennas & equipment Structure

AT THE PREMISES DESCRIBED AS FOLLOWS: 2895 State St.

THE RECORD OWNER OF WHICH IS Look Investment Agency

THE APPLICANT FOR WHICH IS Nextel Communications/Mid Atlantic

THIS SPECIAL PERMIT SHALL BECOME EFFECTIVE WHEN FILED.

THIS SPECIAL PERMIT IS GRANTED IN ACCORDANCE WITH A MOTION PASSED BY THE HAMDEN PLANNING AND ZONING COMMISSION AT ITS MEETING ON November 9, ~~2000,~~ 1999 AND IS SUBJECT TO THE FOLLOWING CONDITIONS AND/OR STIPULATIONS, IF ANY: see minutes ~~attached~~

THIS SPECIAL PERMIT SHALL NOT BECOME EFFECTIVE UNTIL FILED ON THE LAND RECORDS OF THE TOWN OF HAMDEN DATED AT HAMDEN, CONNECTICUT THIS 11 DAY OF June, 2000.

PLANNING AND ZONING COMMISSION
TOWN OF HAMDEN

BY: Michael Carroll
CHAIRMAN

THIS IS TO CERTIFY THAT THIS IS A TRUE COPY OF THE SPECIAL PERMIT GRANTED, AS ABOVE INDICATED, AND IS ON FILE IN THE OFFICIAL RECORDS OF THE HAMDEN TOWN PLANNING AND ZONING COMMISSION.

PLANNING AND ZONING COMMISSION
TOWN OF HAMDEN

BY: Antoinette Oliveira
ANTOINETTE OLIVEIRA
PLANNING ADMINISTRATOR

TOWN OF HAMDEN

ZONING PERMIT AND APPROVAL FOR ISSUANCE OF BUILDING PERMIT

This permit is hereby applied for in accordance with requirements of the Hamden Zoning Regulations, per plot plan attached for:

✓ New Construction ___ Swimming Pool ___ Change of Use ___ Other ___ Addition

* ANY ADDITIONAL TENANTS OTHER THAN NEXTEL THAT WOULD LIKE SPACE ON THIS TOWER WILL COME BEFORE P+Z COMMISSION FOR APPROVAL.

___ Sign ___ Excavation/Fill ✓ Accessory Bldg./Structure

Location 2895 State St. Hamden, CT Zoning District FP/CCD-1

Lot Area 19.33 Ac Lot Frontage 50' Lot No. 2432/21

Bldg. Hgt. 10'4" No. of stories 1 Lot Coverage N/A

Subdivision N/A No. of Bldgs./Structures N/A New X Existing ___

Property Use ___ Single Family X Commercial/Business ___ Mixed Uses ___ Religious

___ Multifamily ___ Industrial/Mfg. ___ 2-3 Family ___ Other

P & Z Approval (s) ___ Site Plan X Special Permit 99-887 ___ Resubdivision ___ Subdivision

___ O.S.D. ___ C.A.M. ___ A.P.Z. ___ Flood Hazard Area

Granted On 11/9/99 X Conditionally ___ Unconditionally ___ Not Required

Variance(s) for: N/A Granted on N/A

PROPERTY OWNER Lock Investment Agency, Inc. ADDRESS POB 1065 HTFD, CT 06105 PHONE ___

This is to certify that the requirements of the following Departments, Boards, and/or Commission have been met as attested to by the signature(s) of the applicable authorized official(s).

Zoning Enforcement Officer Joseph Mondello 5/25/01 Z.E.O.

Town Engineering Dept. ___ Town Engineer

Water Pollution Control ___ Authorized Signature

Quinnipiack Valley Health Dist. ___ Director of Health

Fire Department ___ Fire Chief

Police Department ___ Chief of Police

Conservation Commission John A. Ravenelle 6-1-00 Chairman/Authorized Agt.

Tax Department ___ 6/12/00 Tax Collector

This zoning permit and approval for issuance of a building permit is based on the plot plan submitted and is subject to all conditions (if any) of approval, attached by any board, and/or commission. Falsification by omission, or misrepresentation, or failure to comply with the conditions of approval of record, shall constitute a violation of the Hamden Zoning Regulation.

SIGNATURE Scott Chase DATE 5/25/00

Scott Chase Applicant/Owner/Agent

203-239-4200 OTC

Copies: White - File; Canary - ; Pink - Planning; Gold - Engineering

RECEIVED
TOWN OF HAMDEN
MAY 26 2000
PLANNING AND

Floodplain Y ___ N ___ Flood Zone ___

Substantial Improvement Y ___ N ___

If yes: structures existing value..... $ ___

Alterations value..... $ ___

Rev. 3/95

TOWN OF HAMDEN
PLANNING & ZONING DEPARTMENT
2372 Whitney Avenue
Hamden, CT 06518
Telephone (203) 287-2592

November 10, 1999

New Haven Register
40 Sargent Drive
New Haven, CT. 06511
Attn: Kimberly

FAX# 865-8360
Bill: 287-2592

RE: LEGAL NOTICE TO APPEAR IN THE NEW HAVEN REGISTER ON TUESDAY, NOVEMBER 16, 1999.

DP68726 - THE PLANNING AND ZONING COMMISSION, Town of Hamden, held a Public Hearing and Regular Meeting on Tuesday, November 9, 1999 at 7:30 p.m. in the Council Chambers, Memorial Town Hall and the following actions were taken:

1. Special Permit/CAM/FP 99-887. 2895 State St. CDD-1. Proposed installation of 140' Tower, 12 antennas, and associated telecommunications equipment facility. Total structure elevation 160.89'AMSL. Property Owner: Look Investment Agency. Nextel Communications of Mid-Atlantic, Applicant. APPROVED WITH CONDITIONS.

2. Special Permit/WS 99-888. 750 Sherman Ave. M-1. 34,650sf expansion of existing facility, parking, stormwater drainage and landscaping. 750 Sherman Realty Corp. Property Owner, Carl Porto Atty. for Superior Printing Ink, Applicant. APPROVED WITH CONDITIONS.

3. Special Permit/WS/FP 99-879. 135 Sanford St. CDD-1. 36 unit multi-family. Elm City Builders, Inc., Owner/Applicant. WITHDRAWN BY APPLICANT.

4. Special Permit 99-881. 336 and 410 Denslow Hill Rd. R3. Single Family Dwellings. Open Space Development. Property Owner: Shepard Group. Bernard Pellegrino, Atty. for Housewright Development, Applicant. TABLED TO DECEMBER 14, 1999.

5. Minor Amendment Special Permit 97-813. 2656 Whitney Ave. To legalize construction of Handicap Ramp/Zammataro. SIGNED-OFF ADMINISTRATIVELY.

TOWN OF HAMD

CONNECTICUT

MINUTES: THE PLANNING AND ZONING COMMISSION, Town of Hamden, held a Public Hearing and Regular Meeting on Tuesday, November 9, 1999 at 7:30 p.m. in the Council Chambers, Memorial Town Hall, 2372 Whitney Avenue.

Commissioners in attendance:	Mr. Sims Mr. Crocco Mr. Ajello Mr. DelVecchio Mr. Pappas Mr. Luppi
Staff in Attendance:	Mr. Dodes, Planning Consultant Mr. Troiano, Assistant Town Attorney Ms. Teixeira, Court Recorder Ms. Tobin, Clerk of the Commission

Mr. Pappas called the meeting to order at 7:30 p.m. Clerk Tobin read the Public Hearing Notice into the record. Mr. Pappas introduced the panel.

A. Public Hearing

1. Special Permit/CAM/FP 99-887
   2895 State St. CDD-1
   Proposed installation of 140' Tower,
   12 antennas, and associated telecommunications equipment facility. Total structure elevation 160.89' AMSL
   Look Investment Agency, Inc.
   Nextel Communications of Mid-Atlantic, Applicant

John Knuff of Hurwitz & Sagarin of Milford, CT addressed the Commission on behalf of Nextel. Nextel engineer Stephen Crotty, the person in charge of real estate for Nextel and Scott Chassis, a professional engineer with Diversified Technology Consults, were also in attendance. The

application is for permission to construct a personal wireless facility at 2895 State Street, a permitted use in a CDD1 zone. To clarify current DEP actions, they concern Parcel A, the "Q Park" site and the "Tire Pond" and remedies are sought for Tire Pond and Parcel A by the DEP. The P&Z hearing on this application is not the proper forum for conducting a debate on those issues. Nextel deserves to have its application heard on its own merits. DEP has jurisdiction and expertise in these areas, and any environmental issues should be left to them.

It is important not to forget that this proposed use is consistent with the CDD-1 zone, on commercial property, near the railroad tracks, is consistent with the many utility towers in the area, and has a vast expanse to the south that will not be developed in any manner because of the wetlands. Attorney Knuff said he would appreciate the Commission's consideration of these comments. The application has two components, a monopole with antennas and an equipment shelter. The highest part of the structure will be 143' above grade, 2' shorter than the original proposal. The monopole can support three additional carriers in addition to Nextel. Nextel first tries to co-locate on an existing structure. Attorney Knuff said they located a facility on an apartment building on Mix Avenue last year. Exhibit 6 demonstrates that 10 out of 11 suggested sites are co-locations. There is no structure available in the area being proposed to support Nextel's facilities. Information is provided in the binder on the other towers.

Scott Chassis from Diversified Technology Consultants, a professional engineer, showed an aerial photo showing the town line, Tire Pond, and the proposed site. Photos of the existing uses along State Street were shown, including the railroad right of way, transmission and distribution lines, two-way radio antenna structures, and commercial uses. Tidal flat wetlands were also noted.

A site survey was presented showing the main features of the surrounding site and the proposed lease areas. A more detailed site plan of the 50' x 50' area was shown, and included a concrete foundation 3+' above grade; the equipment shelter 10 x 20 prefab concrete structure which will sit on the foundation; and a tower of 143'. A photo showed that the tower meets all fall back and setback requirements. The exiting gravel road will require no improvements. The site will require phone and power services. A telephone pole is situated about 30' from the lease area.

In July of this year a view-shed analysis was done. A balloon was flown and they drove in a two-mile radius of the site. The red area on the drawing indicated the antenna is not visible due to topography (ridge line); the green area will not be visible due to existing vegetation; the blue area is the area of visibility, primarily 24% of the two mile radius, but it is undeveloped tidal flats. The brown area is partially visible, between buildings.

In accordance with regulations, photo simulations were required from the nearest residential districts. Location 1, 1500' from the site, is an R-4 area. There is an abutting residential district further to the south, and the antenna was shown near the right of way the light switch.

Steve Crotty, an engineer from Nextel explained the need for this facility from a radio frequency perspective. Outlined on the topography map was the Town of Hamden with 11 adjacent

facilities. The green areas show existing coverage. 10 of 11 of their facilities are co-locations on existing buildings or towers. Their search ring was shown, and any site within that area would provide appropriate coverage. Coverage from the proposed facility was shown. The green areas overlap adjacent facilities. The 143' level is the minimum required to provide the coverage without additional antennas. They operate on their own frequencies, different from two-way radio antennas. In response to the Commission, Mr. Knuff said their pole would hold their own antennas plus three others. They do not have any co-locators to date. All users have different frequencies so they will not interfere with each other. Attorney Knuff said the only thing they are seeking approval for is Nextel's equipment. Our regulations require that antenna owners provide space for additional carriers. Panel antennas are used with a triangular base. Mr. DelVecchio asked about radiation. Attorney Knuff said FCC has standards and they will be at 1.1% of the FCC standard. An environmental impact statement was provided. There are no endangered species in the area (Exhibit 10). Exhibit 18 is the FCC report.

Mr. Sims asked if antennas would have any bearing on electronic devices in the area i.e. computers. Attorney Knuff said they would not. Attorney Knuff said voluminous material was provided to P&Z to show compliance with regulations. Exhibit 10 is the Environmental Impact Assessment; FAA thresholds for lighting; tower foundation design (Exhibit 13); view lines required by regulations (Exhibit 15); viewshed analysis (Exhibit 16; photo simulations of the site (Exhibit 17; a balloon test conducted on 9/1/99 and properly noticed; an emissions report showing the facility; and an emissions report showing the facility would operate at 1.1% of FCC requirements (Exhibit 18). Compliance with regulations has been documented, and CAM has reported no adverse impact. Exhibit A, regarding the balloon test, was submitted for the record.

Mr. Crocco said regarding Map Z-1, the outline of lease area is shown, and inside one note mentions concrete block. There are bins of materials in the location of the proposed lease area, and they will be moved to another location on site to make room. The shelter will be approximately 15' from the antenna, and power lines will be underground to the pole. Mr. Crocco asked if a co-locator wanted to go on the antenna, would they have to come before this Commission. Mr. Dodes said yes. Mr. Dodes said if this Commission was to turn down an applicant that wanted to put up a tower, what recourse would the applicant have.

Attorney Knuff said if it was not Bell Atlantic or Snet, the carrier could try to find a new location or appeal to federal or local or state court. The Siting Council is responsible for Snet and Bell Atlantic. The federal or local court can't come in to override the Town's decision. The only difference is that they can appeal to federal court whereas most commercial organizations cannot. Attorney Knuff said they have described other structures in the area and given the reasons they cannot be used. The other pole in the area was designed for two carriers with a third attempting to locate there. Exhibit 8 in the testimony is from Sprint stating the pole is not structurally able to carry an additional antenna.

Attorney Knuff described the triangular platform with three antennas each having four sides. The intent is to create a structure to hold as many antennas as possible to avoid other antenna poles being necessary near this one. Attorney Knuff said there is no federal or state

administrative agency that can tell the town to issue a permit but the federal or state court could tell the town to issue a permit. The Siting Council does not play a role in Nextel's tower.

Mr. Dodes read his comments on this application, giving the background information and noting comments from reviewing departments. The Police Department has no objections. The Engineering Department has no objection, but noted that they will require full "as-built" information in the Auto Cadd 14 format. CAM sees no adverse impact on Long Island Sound. His only concern is the actual location of the property upon which this tower is to be located. The requirements of the zoning regulations have been met. Mr. Dodes recommended approval. Mr. Dodes is more concerned about the specific location of the tower. He is not concerned about the impact on the area. He feels these are not pretty, and co-locations should be the first choice.

Mr. Crocco asked Mr. Troiano if there was any reason this Commission could not hear this application. Mr. Troiano said we have to hear the application and make our decision based on its merits. Other issues on the site are not relevant.

There were no speakers in favor, against or commenting. Mr. Pappas closed the Public Hearing on Special Permit/CAM/FP 99-887.

2. Special Permit/WS 99-888
750 Sherman Ave. M-1
34,650 square foot expansion of existing facility,
parking, storm water drainage and landscaping
750 Sherman Realty Corp. Property Owner Carl Porto,
Atty. for Superior Printing Ink, Applicant

Mr. Dodes read his memo dated November 9, 1999, giving the background of the project and noting Department and Agency reviews. Variances were granted for parking and lot coverage in August 19, 1999. The application was approved by the Conservation Commission on November 3, 1999, with conditions. RWA made several comments, which are included in Mr. Dodes' memo. Mr. Dodes said the applicant met with the Town Engineer and modified the plans to the satisfaction of the Town Engineer. These plans are complete and Mr. Dodes recommended approval subject to whatever conditions the Commission may want to impose as a result of the information brought forward at this Public Hearing. (The Town Engineer's report dated 11/9/99 to Mr. Dodes stated plans as well as supporting data submitted to the office on 11/8/99 are satisfactory to the Town Engineer.)

Attorney Carl Porto addressed the Commission on behalf of the Applicant. He said required variances were granted by the ZBA. At the Inland Wetlands meeting, regional water and inland wetlands were concerned about storm water discharge. They returned to the Conservation Commission last week for the third time, and they had a letter from RWA indicating their approval. They now have a set of plans approved fully by ZBA, Inland Wetlands and RWA. Mr. Savarese attended the Inland Wetlands meeting and indicated his approval of these plans.

an automated packaging line that uses about 40 pallets per month, and they don't have the space to store those inside. Once the addition is complete they will be able to store them inside.

Christiaan Dinkeloo, the project architect, showed elevation drawings to the Commission. There are currently no air conditioning units planned for the roof. There is currently a small unit on the roof of the original building. The structure is designed to allow the addition of air conditioning units on the roof if that should become necessary in the future. Rooftop units may be 5-6' tall, but there is a parapet of 2.5'. Mr. Crocco said it is an industrial area and the angle would not allow the units to be seen. Mr. Pappas asked that the vegetation line be extended to hide the view from the rails to trails. Attorney Porto agreed.

There were no further questions and no speakers in favor, against or commenting. Mr. Pappas closed the Public Hearing on Special Permit/CAM/FP 99-888.

Rich DePodesta commented that the parking is quite extensive for what is being used, and he asked if they could leave the front grassed and left as a reserve area for parking if needed at a later date. Mr. Dodes said they went for a variance so we have a technical problem and cannot change what the ZBA granted.

Mr. Mat Calafasi a Hamden resident, asked a general question regarding the number of trucks and deliveries to the facility. The plant manager said at most three tractor trailers a day, usually one a day. The addition will not increase traffic.

3. Special Permit/WS/FP 99-879
135 Sanford St. CDD-1
36 unit multi-family. Elm City Builders, Inc., Owner/Applicant

Withdrawn at the request of the applicant.

Mr. Pappas closed the Public Hearing.

B. Regular Meeting

1. Special Permit/CAM/FP 99-887
2895 State St. CDD-1
Proposed installation of 140' Tower,
12 antennas, and associated telecommunications equipment facility. Total structure elevation 160.89' AMSL
Look Investment Agency, Inc.
Nextel Communications of Mid-Atlantic, Applicant

Mr. Crocco asked if the Commission has to make it a condition that if any other tenants want to be on the pole they have to come before this Commission. Nick said the tower itself will be fully constructed the first time around, and the new tenant is not going to create any different

construction or modification to the existing structure. He doesn't think it is covered in the regulations.

Mr. Ajello made a motion to approve Special Permit/CAM/FP 99-887 with the condition that any additional tenants other than Nextel that would like space on that tower will come before the P&Z Commission for approval. Mr. Sims seconded the motion. The vote was unanimous in favor.

2. Special Permit/WS 99-888
750 Sherman Ave. M-1
34,650sf expansion of existing facility,
parking, storm water drainage and landscaping
750 Sherman Realty Corp. Property Owner Carl Porto,
Atty. for Superior Printing Ink, Applicant

The Commission wanted to add a condition that the tree line in the rear will be continued. Mr. Luppi wants to see planting between the curb line and the parking in the front of the building. Mr. Luppi discovered a 10' strip of grass that would remain, and he is suggesting some type of planting in that 10' buffer without obstructing the line of site. Mr. Dodes said he could sit with Attorney Porto and the engineer and architect, and approve at his discretion.

Mr. Luppi made a motion to approve Special Permit/WS 99-888, 750 Sherman Avenue, subject to the conditions requested by reviewing agencies; and that the applicant submit some landscaping plans for the grass strip across the front of the building for the approval of the Town planner; and to the rear of the building near the swale, which buffers the trail, 6' high arborvitae be planted where necessary to block the building from the trail area. Mr. Crocco seconded the motion. The vote was unanimous, in favor.

3. Special Permit/WS/FP 99-879
135 Sanford St. CDD-1
36 unit multi-family. Elm City Builders, Inc., Owner/Applicant

Withdrawn at the request of the applicant.

4. Special Permit 99-881
336 and 410 Denslow Hill Rd. R3
Single Family Dwellings
Open Space Development
Property Owner: Shepard Group
Bernard Pellegrino, Atty. for Housewright Development, Applicant

Mr. DelVecchio said the report from the Engineering was received today by the Planning and Zoning Office, and distributed to the Commission this evening. Our statutes state reports should be received ten days prior to the meeting. There is a lot of material in the report, and he has not

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
www.ct.gov/csc

June 16, 2014

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

RE: **TS-VER-062-140522–** Cellco Partnership d/b/a Verizon Wireless request for an order to approve tower sharing at an existing telecommunications facility located at 2895 State Street, Hamden, Connecticut.

Dear Attorney Baldwin:

At a public meeting held June 12, 2014, the Connecticut Siting Council (Council) ruled that the shared use of this existing tower site is technically, legally, environmentally, and economically feasible and meets public safety concerns, and therefore, in compliance with General Statutes § 16-50aa, the Council has ordered the shared use of this facility to avoid the unnecessary proliferation of tower structures with the following conditions:

- The proposed coax and remote radio heads shall be installed in accordance with the recommendations made in the Structural Analysis Report prepared by FDH Engineering Inc. dated February 11, 2014 and stamped by Bradley Newman;
- Sprint/Nextel's equipment, coax, and mount shall be removed prior to Cellco's installation per the same structural analysis report;
- Not more than 45 days following completion of the antenna installation, Cellco shall provide documentation certifying that its installation complied with the engineer's recommendation;
- Any nonfunctioning antenna and associated antenna mounting equipment on this facility owned and operated by Verizon shall be removed within 60 days of the date the antenna ceased to function;
- Any deviation from the proposed installation as specified in the original tower share request and supporting materials with the Council shall render this decision invalid;
- Any material changes to the proposed installation as specified in the original tower share request and supporting materials filed with the Council shall require an explicit request for modification to the Council pursuant to Connecticut General Statutes § 16-50aa, including 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;
- Not less than 45 days after completion of the proposed installation, the Council shall be notified in writing that the installation has been completed;
- The validity of this action shall expire one year from the date of this letter; and
- The applicant may file a request for an extension of time beyond the one year deadline provided that such request is submitted to the Council not less than 60 days prior to the expiration.

This decision is under the exclusive jurisdiction of the Council and applies only to this request for tower sharing dated May 21, 2014. This facility has 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. Any deviation from the approved tower sharing request is enforceable under the provisions of Connecticut General Statutes § 16-50u.

CSC
CONNECTICUT SITING COUNCIL

The proposed shared use is to be implemented as specified in your letter dated May 21, 2014, including the placement of all necessary equipment and shelters within the tower compound.

Please be advised that the validity of this action shall expire one year from the date of this letter.

Thank you for your attention and cooperation.

Very truly yours,

Robert Stein NAB

Robert Stein
Chairman

RS/MP/jb

c: The Honorable Scott D. Jackson, Mayor, Town of Hamden
Leslie Creane, Town Planner, Town of Hamden
Sean Gormley, SBA Communications

ATTACHMENT 2

WIRELESS COMMUNICATIONS FACILITY

HAMDEN 5 CT
2895 STATE STREET
HAMDEN, CT 06517

DRAWING INDEX

SITE DIRECTIONS

START: 20 ALEXANDER DRIVE
WALLINGFORD, CONNECTICUT 06492

END: 2895 STATE STREET
HAMDEN, CT 06517

1.	HEAD SOUTH TOWARD ALEXANDER DRIVE	279 FT
2.	SLIGHT RIGHT TOWARDS ALEXANDER DRIVE	289 FT
3.	TURN RIGHT TOWARD ALEXANDER DRIVE	167 FT
4.	TURN RIGHT ONTO ALEXANDER DRIVE	0.3 MI
5.	TURN RIGHT ONTO BARNES INDUSTRIAL ROAD S.	0.1 MI
6.	TURN LEFT AT THE 1ST CROSS STREET ONTO CT-68W	0.4 MI
7.	TURN RIGHT ONTO US-5 N/ N COLONY ROAD	0.4 MI
8.	TURN LEFT TO MERGE ONTO CT-15 S TOWARD NEW HAVEN	0.3 MI
9.	MERGE ONTO CT-15 S	7.4 MI
10.	TAKE EXIT 63 TOWARD CT-22/NORTH HAVEN	0.1 MI
11.	TURN LEFT ONTO HARTFORD TURNPIKE	1.5 MI
12.	TURN LEFT ONTO SCHOOL LANE	0.1 MI
13.	TURN RIGHT ONTO US-5 S/ STATE STREET	0.9 MI
14.	TURN LEFT (DESTINATION WILL BE ON YOUR LEFT)	0.3 MI

LOCATION MAP
SCALE : 1" = 1000'-0"

SITE INFORMATION

VZ SITE NAME: HAMDEN 5 CT
VZ PROJ FUZE I.D.: 16227620
VZ LOCATION CODE: 20212217959
VZ PROJECT CODE: 467276

LOCATION: 2895 STATE STREET
HAMDEN, CT 06517

PROJECT SCOPE: REFER TO NOTES ON SHEET C-1 FOR SCOPE OF WORK.

MAP/BLOCK/LOT: 2432/021/0000

ZONING DISTRICT: T4

LATITUDE: 41° 21' 36.0288" N (41.3600008° N)

LONGITUDE: 72° 53' 08.4984" W (73.885694° W)

SITE COORDINATES AND GROUND ELEVATION OBTAINED FROM GOOGLE EARTH.

GROUND ELEVATION: 11.4'± AMSL

PROPERTY OWNER: JOSEPH J. FARRICIELLI
104 CHERRY HILL ROAD
BRANFORD, CT 06405

APPLICANT: CELLCO PARTNERSHIP
d/b/a VERIZON WIRELESS
20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

LEGAL/REGULATORY COUNSEL: ROBINSON & COLE, LLP
KENNETH C. BALDWIN, ESQ.
280 TRUMBULL STREET
HARTFORD, CT 06103

ENGINEER CONTACT: ALL-POINTS TECHNOLOGY CORP., P.C.
567 VAUXHALL STREET EXTENSION - SUITE 311
WATERFORD, CT 06385
(860) 663-1697

VERIZON SMART TOOL PROJECT # 10032215

Cellco Partnership d/b/a
verizon
20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

ALL-POINTS TECHNOLOGY CORPORATION
567 VAUXHALL STREET EXTENSION - SUITE 311
WATERFORD, CT 06385 PHONE: (860)-663-1697
WWW.ALLPOINTSTECH.COM FAX: (860)-663-0935

CONSTRUCTION DOCUMENTS

NO	DATE	REVISION
0	02/18/21	FOR REVIEW: JRM
1	04/26/21	FOR CONSTRUCTION: JRM
2		
3		
4		
5		
6		

STATE OF CONNECTICUT
MICHAEL TRODDEN
33313
LICENSED
PROFESSIONAL ENGINEER

DESIGN PROFESSIONALS OF RECORD

PROF: MICHAEL S. TRODDEN P.E.
COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.
ADD: 567 VAUXHALL STREET EXT. SUITE 311 WATERFORD, CT 06385

OWNER: JOSEPH J. FARRICIELLI
ADDRESS: 104 CHERRY HILL ROAD BRANFORD, CT 06405

HAMDEN 5 CT

SITE ADDRESS: 2895 STATE STREET HAMDEN, CT 06517

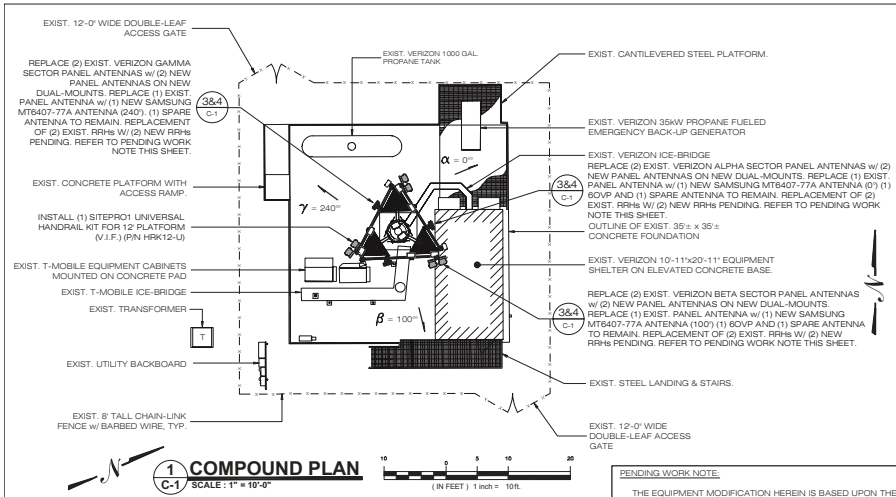
APT FILING NUMBER: CT141_11940

DRAWN BY: DRA
DATE: 02/18/21
CHECKED BY: JRM

VZW PROJECT CODE: 20212217959
VZW LOCATION CODE: 467276
VZW FUZE ID: 16227620

SHEET TITLE:
TITLE SHEET

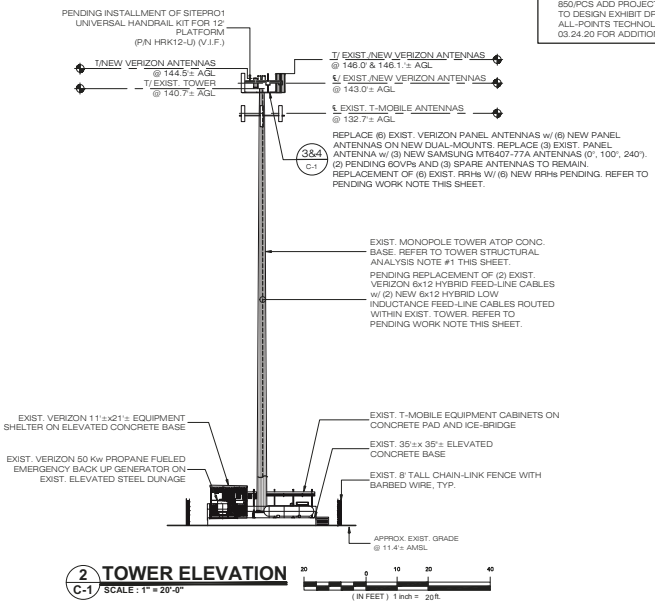
SHEET NUMBER:
T-1



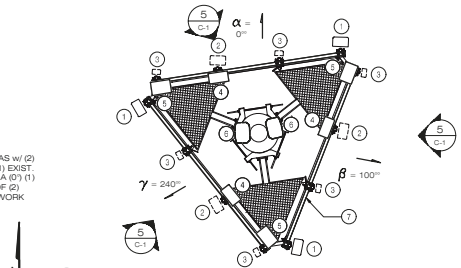
1 COMPOUND PLAN
C-1 SCALE : 1" = 10'-0"

PENDING WORK NOTE:

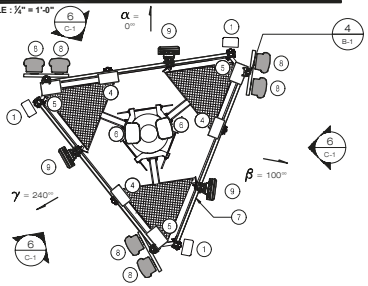
THE EQUIPMENT MODIFICATION HEREIN IS BASED UPON THE COMPLETION OF ALL WORK ASSOCIATED WITH A PRIOR 850/PCS ADD PROJECT UPGRADE. CONTRACTOR SHALL REFER TO DESIGN EXHIBIT DRAWINGS DE-1 THRU DE-4 PREPARED BY ALL-POINTS TECHNOLOGY CORP, P.C., MARKED REV3 & DATED 03.24.20 FOR ADDITIONAL INFORMATION.



2 TOWER ELEVATION
C-1 SCALE : 1" = 20'-0"

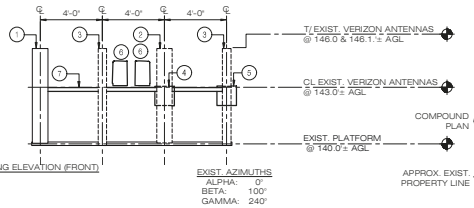


3 EQUIP. CONFIGURATION PLAN (EXIST.)
C-1 SCALE : ¼" = 1'-0"

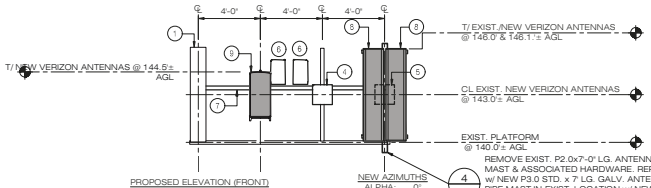


REMOVE EXIST. P2.0x7'-0" LG. ANTENNA PIPE MAST & ASSOCIATED HARDWARE. REPLACE w/ NEW P3.0 STD. x 7' LG. GALV. ANTENNA PIPE MAST IN EXIST. LOCATION w/ NEW MOUNTING HARDWARE. TYP. (3PL) REFER TO NOTE #9 THIS SHEET

4 EQUIP. CONFIGURATION PLAN (NEW)
C-1 SCALE : ¼" = 1'-0"



5 EQUIP. MOUNTING CONFIG. (EXIST.)
C-1 SCALE : ¼" = 1'-0"



REMOVE EXIST. P2.0x7'-0" LG. ANTENNA PIPE MAST & ASSOCIATED HARDWARE. REPLACE w/ NEW P3.0 STD. x 7' LG. GALV. ANTENNA PIPE MAST IN EXIST. LOCATION w/ NEW MOUNTING HARDWARE. TYP. (3PL) REFER TO NOTE #9 THIS SHEET

6 EQUIP. MOUNTING CONFIG. (NEW)
C-1 SCALE : ¼" = 1'-0"

LOCATION PLAN
SCALE: 1" = 1000'

NOTES:

1. REFER TO TOWER STRUCTURAL ANALYSIS REPORT PREPARED BY OTHERS AVAILABLE UNDER SEPARATE COVER.
2. REFER TO MOUNT ANALYSIS REPORT PREPARED BY MASER CONSULTING, P.A., PROJECT #20777636A, DATED 04/22/21 AVAILABLE UNDER SEPARATE COVER.
3. BASE MAPPING FROM FIELD MEASUREMENTS TAKEN BY ALL-POINTS TECH. CORP., P.C. ON 12/18/19.
4. PROJECT SCOPE INCLUDES THE FOLLOWING:
   - REPLACEMENT OF SIX (6) EXIST. PANEL ANTENNAS w/ SIX (6) NEW PANEL ANTENNAS ON DUAL-MOUNTS.
   - REPLACEMENT OF THREE (3) EXIST. PANEL ANTENNAS w/ (3) NEW SAMSUNG MT6407-77A ANTENNAS.
   - REMOVAL OF ALL UN-USED COAXIAL CABLE FEED-LINES.
4. ALL EXPOSED STEEL AND HARDWARE TO BE HOT DIP GALV. (HDG). PAINT TO MATCH EXIST. (WHERE APPLICABLE)
5. CAP & WEATHERPROOF ALL UN-USED CABLE ENTRY PORTS (WHERE APPLICABLE).
6. MOUNT & GROUND ALL NEW EQUIPMENT IN ACCORDANCE WITH NEC (NFPA-70), NESC AND MANUFACTURERS SPECIFICATION.
7. SECURE ALL NEW ANTENNA CABLES PER MANUFACTURER RECOMMENDATIONS.
8. BOND NEW ANTENNA MOUNTING PIPES TO ANTENNA SECTOR GROUND BAR w/ # 2 AWG, BCW, (WHERE APPLICABLE).
9. CONTRACTOR SHALL INSTALL NEW SIDE-BY-SIDE & DUAL-MOUNT BRACKETS PER ANTENNA MOUNT MANUFACTURER RECOMMENDATIONS, INCLUDING VERIFICATION OF MINIMUM PIPE MAST DIAMETER REQUIRED TO INSTALL NEW MOUNT BRACKETS. UNLESS NOTED OTHER WISE, CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD SHOULD EXIST. PIPE MASTS REQUIRE REPLACEMENT TO SUPPORT THE NEW MOUNT BRACKETS.
10. ANTENNA CONFIGURATIONS SHOWN HEREIN ARE FRONT ELEVATIONS.
11. ANTENNA SPACING DIMENSIONS ARE TO THE CENTER OF THE EXIST. ANTENNA AND NEW ANTENNA FACE.
12. REFER TO THE FINAL RFDS PROVIDED BY VERIZON FOR THE LATEST INFORMATION REGARDING EQUIPMENT MODELS, REQUIRED CABLING & DOWN-TILT INFORMATION.
13. APPLY 3M FILM OVER ALL EXPOSED MMWAVE ANTENNAS COLOR TO MATCH EXIST. STRUCTURE (WHERE APPLICABLE) COORDINATE WITH VERIZON CONSTRUCTION MANAGER AND LL.
14. PAINT ALL NEW NON SAMSUNG MT6407-77A ANTENNAS & APPURTENANCES TO MATCH EXIST. STRUCTURE (WHERE APPLICABLE) COORDINATE W/ VERIZON CONSTRUCTION MANAGER & BUILDING OWNER.

GENERAL ABBREVIATION LIST:

□	ABP	ABOVE BASE PLATE
□	AGL	ABOVE GROUND LEVEL
□	AMSL	ABOVE MEAN SEA LEVEL
□	AWS	ADVANCED WIRELESS SERVICE
□	HDG	HOT DIP GALVANIZED
□	OVP	OVER VOLTAGE PROTECTION
□	RRH	REMOTE RADIO HEAD
□	V.I.F.	VERIFY IN FIELD
□	W.P.	WORK POINT
□	A.F.R.	ABOVE FINISH ROOF

SCOPE OF WORK (ALL) SECTORS

1. EXIST. ANTENNA (TO REMAIN AS SPARE) MODEL: ANDREW HBX-6517DS-VTM
2. EXIST. ANTENNA (TO BE REPLACED) MODEL: ANDREW HBX-6517DS-VTM
3. EXIST. ANTENNA (TO BE REPLACED) MODEL: ANDREW LNX-6514DS-VTM
4. PENDING DUAL BAND RRH MODEL: SAMSUNG B13/B5 RRH-BR04C (RFV01U-D2A)
5. PENDING DUAL BAND RRH MODEL: SAMSUNG B66/B2A RRH-BR049 (RFV01U-D1A)
6. PENDING 6 OVP (@ BETA & GAMMA) MODEL: RAYCAP RC3DC-3315-PF-48 (V.I.F.)
7. PENDING SITEPRO1 UNIVERSAL HANDRAIL KIT FOR 12' PLATFORM (P/N HRK12-U) (V.I.F.) REFER TO PENDING WORK NOTE THIS SHEET.

NEW ANTENNA
8. MODEL: JMA MX06FRO660-03 MOUNTED ON NEW JMA DUAL MOUNT (P/N 91900314-02)
9. NEW ANTENNA MODEL: SAMSUNG MT6407-77A

Cellco Partnership d/b/a
verizon
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STATE OF CONNECTICUT
MICHAEL TRODDEN
33313
LICENSED
PROFESSIONAL ENGINEER

DESIGN PROFESSIONALS OF RECORD

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SHEET TITLE:
COMPOUND PLAN, TOWER ELEVATION, EQUIP. CONFIGURATION PLANS & ELEVATIONS

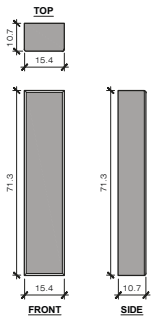
SHEET NUMBER:
C-1

EQUIPMENT DATA

EQUIPMENT SPECIFICATIONS

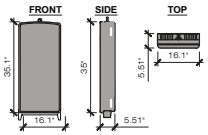
SECTOR	ANTENNA MAKE/MODEL	QTY	AZIMUTH	EQUIPMENT STATUS	HEIGHT (IN)	WIDTH (IN)	DEPTH (IN)	WEIGHT (LBS)
ALPHA	700/850/1900/2100: JMA MX06FRO660-03	1	0°	NEW	71.3	15.4	10.7	60.0(2)
	700/850/1900/2100: JMA MX06FRO660-03	1	0°	NEW	71.3	15.4	10.7	60.0(2)
	SAMSUNG MT6407-77A	1	0°	NEW	35.0(5)	19.7(5)	10.0(5)	99.2(2)(5)
	SPARE: ANDREW HBX-6517DS-A1M	1	0°	ETR	74.9	6.5	3.3	13.7(2)
BETA	700/850/1900/2100: JMA MX06FRO660-03	1	100°	NEW	71.3	15.4	10.7	60.0(2)
	700/850/1900/2100: JMA MX06FRO660-03	1	100°	NEW	71.3	15.4	10.7	60.0(2)
	SAMSUNG MT6407-77A	1	100°	NEW	35.0(5)	19.7(5)	10.0(5)	99.2(2)(5)
	SPARE: ANDREW HBX-6517DS-A1M	1	100°	ETR	74.9	6.5	3.3	13.7(2)
GAMMA	700/850/1900/2100: JMA MX06FRO660-03	1	240°	NEW	71.3	15.4	10.7	60.0(2)
	700/850/1900/2100: JMA MX06FRO660-03	1	240°	NEW	71.3	15.4	10.7	60.0(2)
	SAMSUNG MT6407-77A	1	240°	NEW	35.0(5)	19.7(5)	10.0(5)	99.2(2)(5)
	SPARE: ANDREW HBX-6517DS-A1M	1	240°	ETR	74.9	6.5	3.3	13.7(2)
	APPURTENANCE MAKE/MODEL							
	SAMSUNG B2/B66A RRH-BR049 (RFVO1U-D1A)	3	-	PENDING	14.9	14.9	10.04	97.5
	SAMSUNG B5/B13 RRH-BR04C (RFV01U-D2A)	3	-	PENDING	14.9	14.9	8.14	82.0
	RAYCAP RC3DC-3315-PF-48	2	-	PENDING	28.9	15.73	10.25	32

(1) 'ETR' DENOTES EXIST. TO REMAIN
(2) WEIGHT WITHOUT MOUNTING BRACKET.
(3) ANTENNA DATA BASED ON RFDS REV0 DATED 03/19/21
(4) EQUIPMENT CONFIGURATION INDICATED ABOVE VIEWED FROM BEHIND.
(5) NOT TO EXCEED



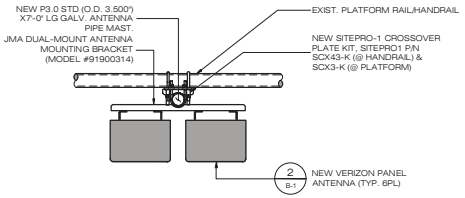
JMA MX06FRO660-03
HxWxD=71.3"x15.4"x10.7 60.0 Lbs)

2 B-1 NEW ANTENNA DETAIL
SCALE : ½" = 1'-0"



SAMSUNG MT6407-77A
HxWxD=35.1"x16.1"x5.51"
WT=87.1 Lbs
(NOT TO EXCEED)

3 B-1 NEW ANTENNA DETAIL
SCALE : ½" = 1'-0"

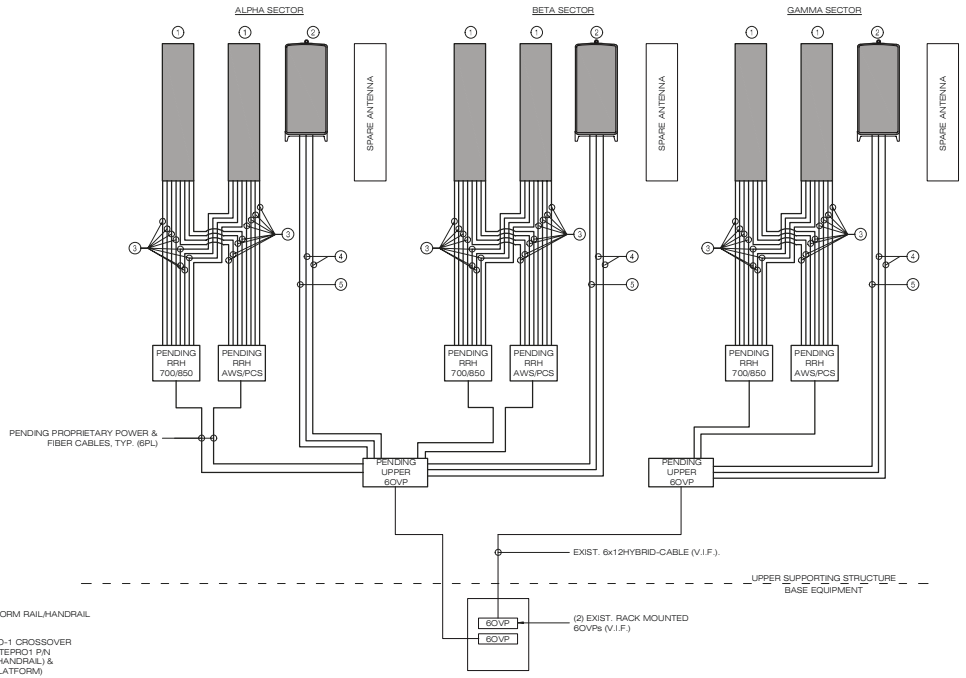


4 B-1 ANTENNA MOUNTING DETAIL
SCALE : ½" = 1'-0"

BILL OF MATERIALS

		QUANTITY	LENGTH	COMMENTS
1	700/850/1900/2100	6		(JMA MX06FRO660-03) MOUNTED W/ NEW JMA DUAL MOUNT (P/N 91900314-02)
2	SAMSUNG MT6407-77A	3		MOUNTED ON EXIST. PIPE MAST
3	1/2" JUMPER CABLES	48	15 FT	ROUTE FROM RRH TO ANTENNAS
4	ANTENNA LINK CABLES	6	15 M	ROUTE FROM UPPER OVP TO ANTENNA
5	ANTENNA POWER CABLES	3	15 M	PROPRIETARY POWER CABLE FROM UPPER OVP TO ANTENNA

NOTES:
1. INFORMATION SHOWN HEREON IS FOR USE BY VERIZON EQUIPMENT OPERATIONS.
2. INFORMATION IS BASED ON RFDS REV0 DATED 03/19/21.
3. * DENOTES EQUIPMENT DESIGNATED "FOR LEASING ONLY" (WHERE APPLICABLE)
4. INSTALL ALARM BOARDS AT ALL OVPs WHERE REQUIRED. COORDINATE w/ VERIZON EQUIPMENT ENGINEERING.
5. INSTALL UP-CONVERTER(S) LOCATED AT BASE OVPs WHERE REQUIRED. COORDINATE w/ VERIZON EQUIPMENT ENGINEERING AS NECESSARY.
6. COORDINATE ANTENNA CABLING REQUIREMENTS WITH VERIZON ENGINEERING.
7. CONTRACTOR SHALL INSTALL NEW SIDE-BY-SIDE & DUAL-MOUNT BRACKETS PER ANTENNA MOUNT MANUFACTURER RECOMMENDATIONS, INCLUDING VERIFICATION OF MINIMUM PIPE MAST DIAMETER REQUIRED TO INSTALL NEW MOUNT BRACKETS. UNLESS NOTED OTHER WISE, CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD SHOULD EXIST. PIPE MASTS REQUIRE REPLACEMENT TO SUPPORT THE NEW MOUNT BRACKETS.



1 B-1 PLUMBING DIAGRAM
SCALE : ½" = 1'-0"

NOTE: EQUIPMENT CONFIGURATION AS VIEWED FROM BEHIND.

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STATE OF CONNECTICUT · MICHAEL TRODDEN · 33313 · LICENSED PROFESSIONAL ENGINEER

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VZW LOCATION CODE: 467276
VZW FUZE ID: 16227620

SHEET TITLE: BILL OF MATERIALS

SHEET NUMBER: B-1

DESIGN BASIS:

GOVERNING CODES/DESIGN STANDARDS:

2015 INTERNATIONAL BUILDING CODE (IBC) AS AMENDED BY THE 2018 CONNECTICUT STATE BUILDING CODE
ASCE 7-10
TIA-222-G (TOWER)

DESIGN CRITERIA (TOWER):

STRUCTURE CLASS :	II	(TIA-222-G, TABLE 2-1 & ANNEX A.)
RISK CATEGORY:	II	(IBC 2015 TABLE 1604.5)

WIND LOADS:

ULTIMATE BASIC WIND SPEED, V_{ULT}: (3-SECOND GUST)	125 MPH	(2018 CSBC APPENDIX N)
NOMINAL BASIC WIND SPEED, V_{3S}: (3-SECOND GUST)	97 MPH	(2018 CSBC APPENDIX N)
EXPOSURE CATEGORY	C	(2015 IBC SEC. 1609.4.3)
WIND IMPORTANCE FACTOR, I_W:	1.0	(TIA-222G, TABLE 2-3)

ICE LOADS:

ICE THICKNESS, T_I:	0.75 IN	(TIA-222G, ANNEX B)
ICE THICKNESS IMPORTANCE FACTOR, I_I:	1.0	(TIA-222G, TABLE 2-3)
NOMINAL BASIC WIND SPEED W/ ICE, VI (3-SECOND GUST)	50 MPH	(TIA-222G, ANNEX B)
WIND LOAD W/ICE IMPORTANCE FACTOR, I_{WI}:	1.0	(TIA-222G, TABLE 2-3)

SEISMIC LOAD:

REFER TO SECTION 1613 OF THE 2015 IBC/2018 CONNECTICUT STATE BUILDING CODE FOR SEISMIC CLASSIFICATION AND LOADING DETERMINATION.

01 GENERAL:

ABBREVIATIONS USED IN THESE SPECIFICATIONS INCLUDE THE FOLLOWING:

ACI	AMERICAN CONCRETE INSTITUTE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
AWS	AMERICAN WELDING SOCIETY
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASTM	AMERICAN STANDARDS AND TESTING METHODS
CRSI	CONCRETE REINFORCING STEEL INSTITUTE
ICC-ES	INTERNATIONAL CODE COUNCIL EVALUATION SERVICE
TIA	TELECOMMUNICATIONS INDUSTRY ASSOCIATION
UL	UNDERWIRTERS LABORATORIES
NEC	NATIONAL ELECTRICAL CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

EVERY INDIVIDUAL TRADE, DISCIPLINE, AND CONTRACTOR SHALL INCLUDE THESE GENERAL SPECIFICATIONS.

THE ENGINEER IS NOT RESPONSIBLE FOR NOR A GUARANTOR OF THE INSTALLING CONTRACTORS WORK, ADEQUACY OF ANY SITE COMPONENT, SUPERVISION OF ANY WORK, AND SAFETY IN, ON, OR ABOUT THE WORK SITE.

ANY REFERENCE HEREIN TO AN OR EQUAL ITEM, THAT EQUAL ITEM SHALL BE PRE-APPROVED BY THE CONSTRUCTION MANAGER BEFORE INSTALLATION

ALL TRADES SHALL COORDINATE THEIR WORK WITH ALL OTHER TRADES AND OTHER WORK AND CONDITIONS AS APNEWRIATE OR REQUIRED TO AVOID CONFLICTS. RESOLVE AND COORDINATE ALL CONFLICTS WITH ALL AFFECTED WORK AND SITE OPERATIONS. COORDINATION WITH THE SITE SHALL BE WITH THE OWNER, OR OWNER'S SPECIFIED REPRESENTATIVE, FOR EVERYTHING RELATED TO THE INSTALLATION OF THIS PROJECT.

ALL WORK SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE EDITIONS OF ALL APPLICABLE CODES AND SHALL BE ACCEPTABLE TO ALL AUTHORITIES HAVING JURISDICTION (AHJ). WHERE A CONFLICT EXISTS BETWEEN CODES, PLANS, SPECIFICATIONS, AND/OR AHJ, THE MORE STRINGENT AUTHORITY SHALL APPLY. WHERE CONFLICT EXISTS BETWEEN PLANS AND SPECIFICATIONS, PLAN SHALL APPLY. WHERE CONFLICT EXISTS BETWEEN PLAN SHEETS, CONSTRUCTION MANAGER SHALL BE CONSULTED PRIOR TO COMMENCING ANY WORK.

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, INSTALLATION, CONSTRUCTION TOOLS, TRANSPORTATION, ETC., FOR A COMPLETE AND NEWERLY OPERATIVE AND USABLE SYSTEM THROUGHOUT AND AS INDICATED ON THE DRAWINGS AND AS SPECIFIED HEREIN AND/OR OTHERWISE REQUIRED.

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, INSTALLATIONS, AND EQUIPMENT IN THE FIELD PRIOR TO BID, FABRICATION, AND INSTALLATION OF ANY WORK.

CONTRACTORS SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO FABRICATION AND ERECTION OF ANY MATERIAL. THE ENGINEER SHALL BE NOTIFIED FOR INSPECTIONS PRIOR TO CLOSING PENETRATIONS AND OF ANY CONDITIONS WHICH PRECLUDE COMPLETION OF THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

CONTRACTOR SHALL VISIT THE SITE TO MANAGE AND GAIN APPROVAL FOR ALL TENANT DISRUPTIONS, POWER OUTAGES, WORK SCHEDULES, DEFINITION OF WORK AREA AND WORK STORAGE, NEWER BUILDING/SITE ACCESS, NOISE AND CLEANLINESS REQUIREMENTS WITH THE BUILDING/SITE MANAGEMENT PRIOR TO ALL WORK. ANY DISRUPTIONS SHALL BE KEPT TO A MINIMUM AND SHALL BE IMPLEMENTED ONLY UPON WRITTEN APPROVAL OF THE OWNER.

THE CONTRACTOR SHALL SAFEGUARD AGAINST CREATING ANY HAZARD AFFECTING TENANT EGRESS OR COMPROMISING SITE SECURITY MEASURES.

PRIOR TO ALL BELOW-GRADE WORK AND ANY SURFACE WORK IN A NEW AREA FOR STRUCTURES OR VEHICLES, CONTRACTOR SHALL ENGAGE A MARKOUT SERVICE TO IDENTIFY ANY UNDERGROUND STRUCTURES, CONDUITS, AND PIPELINES IN THE AREA. ALL EXISTING SEWER, WATER, GAS, ELECTRIC, FIBER OPTIC, AND OTHER UNDERGROUND UTILITIES IDENTIFIED OR ENCOUNTERED, SHALL BE PROTECTED AT ALL TIMES. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN DIGGING OR EXCAVATING IN ANY MANNER AROUND OR NEAR SUCH UTILITIES. CONTRACTOR IS RESPONSIBLE FOR REPAIRS, REPLACEMENT, AND ALL DAMAGES DUE TO DAMAGE OF UTILITIES BY HIS OPERATIONS.

ALL EXISTING AND NEW EQUIPMENT AND MATERIAL LOCATIONS, ROUTING, ORIENTATION, MOUNTING, SPECIFICATIONS AND GENERAL INSTALLED CHARACTERISTICS SHALL BE CONSIDERED DIAGRAMMATIC ON THE PLANS. EXACT CONDITIONS SHALL BE DETERMINED IN THE FIELD PRIOR TO ANY INSTALLATION. ANY DIFFERENCES THAT MAY CAUSE SCHEDULE, COST, OR QUALITY SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER OR ENGINEER PRIOR TO ANY WORK.

ALL REFERENCES HEREIN TO VERIFICATION OF ANY CONDITION OF SITE, FIELD, PLANS, OR SPECIFICATIONS PRIOR TO ANY WORK SHALL BE THE FULL RESPONSIBILITY OF THE CONTRACTOR. ANY AND ALL ADDITIONS, MODIFICATIONS, CHANGES, REPAIR, OR DEMOLITION AS A RESULT OF FAILURE TO BRING ANY EXISTING CONDITION NEWERLY TO THE ATTENTION OF THE OWNER OR ENGINEER SHALL BE THE FULL RESPONSIBILITY OF THE CONTRACTOR WITHOUT DELAY, COST, OR CHANGES IN QUALITY.

ALL NOTES THIS SHEET SHALL APPLY UNLESS SPECIFICALLY NOTED OTHERWISE ON THE INCLUDED DRAWINGS OR IN SEPARATE PROJECT SPECIFICATIONS AS APPLICABLE. ALL SPECIFICATIONS SHALL BE CONSIDERED REQUIRED UNLESS APPROVED EQUAL BY THE OWNER, CONSTRUCTION MANAGER, OR ENGINEER AS APPLICABLE.

THE WORDS "PROVIDE" OR "INSTALL" SHALL MEAN FURNISH AND INSTALL.

CONTRACTOR SHALL PROVIDE ALL CUTTING AND PATCHING AS REQUIRED FOR THE INSTALLATION OF HIS WORK. ANY PATCHING SHALL MATCH EXISTING SURROUNDING AREA IN ALL RESPECTS. ALL REMOVED MATERIAL SHALL BE REMOVED FROM THE PREMISES DAILY IN AN APPROVED SAFE MANNER.

ALL SURPLUS MATERIAL SHALL BE REMOVED FROM THE SITE PROMPTLY WHEN DEEMED TO BE SURPLUS.

EVERY CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF HIS WORK AND NEWLY INSTALLED OR EXISTING WORK, INCLUDING PROTECTION OF THE SITE, ALL STRUCTURES, AND ALL OCCUPANTS. FURNISH, INSTALL, MAINTAIN, AND REMOVE AS APNEWRIATE, ALL APNEWRIATE BARRIERS, SAFETY GUARDS, SIGNAGE, AND SECURITY AS REQUIRED.

EVERY CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR RESPECTIVE FEES, PERMITS, INSPECTIONS, TESTING, CERTIFICATES, AND ALL MANAGEMENT OF SAME REQUIRED FOR COMPLETION OF AND LEGAL OCCUPANCY OF THE FINISHED PROJECT.

ALL CONTRACTORS SHALL PROVIDE ALL NECESSARY TOOLS, FIXTURES, SERVICES, MATERIALS, JOB AIDS, AND PERSONNEL REQUIRED FOR THE EXECUTION OF THEIR WORK.

EACH CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP BY THEM TO BE FREE OF DEFECTS AND MAINTAINED FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE OF THE INSTALLATION BY THE OWNER AND ENGINEER.

ALL WORK SHALL BE PERFORMED BY LICENSED CONTRACTORS IN THE TRADE HAVING JURISDICTION.

ANY DEVIATION, MODIFICATION, ADDITION, OR CHANGE IN DESIGN SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE OWNER OR ENGINEER.

ALL CONTRACTORS SHALL SUBMIT SHOP DRAWINGS OF ALL EQUIPMENT AND MATERIALS TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION, AND SHALL NOT PROCEED UNTIL ENGINEER APPROVAL IN WRITING IS RETURNED. EACH CONTRACTOR SHALL MAINTAIN ON JOB SITE A COMPLETE SET OF SHOP DRAWINGS WITH ANY DEVIATIONS FROM THE ORIGINAL DESIGN SHALL BE NOTED.

ALL MATERIALS AND EQUIPMENT SHALL BE NEW, WITHOUT BLEMISH OR DEFECT, AND SUITABLE AND LISTED FOR THE INSTALLATION AND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS OR SPECIFICATIONS. ALL ITEMS OF EQUIPMENT OR MATERIAL THAT ARE OF ONE GENERIC TYPE SHALL BE ONE MANUFACTURER THROUGHOUT.

ALL MATERIALS, EQUIPMENT, TOOLS, AND ITEMS UNDER THE CONTRACTOR'S RESPONSIBILITY ON THE JOBSITE SHALL BE ADEQUATELY SECURED, MAINTAINED, AND PROTECTED, SO AS NOT TO BECOME DAMAGED OR CREATE ANY HAZARD TO PERSONNEL OR NEWERTY.

THE CONTRACTORS HOURS OF WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES AND ORDINANCES AND BE APPROVED BY THE OWNER.

CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR ALL OF HIS CREW AND INSURE THAT EVERY CREW MEMBER FOLLOWS SAVE WORK PRACTICES. SAFETY TRAINING SHALL INCLUDE, BUT NOT BE LIMITED TO, FALL PROTECTION, CONFINED SPACE ENTRY, ELECTRICAL SAFETY, AND TRENCHING/EXCAVATION SAFETY WHERE SUCH WORK IS EXECUTED OR ENCOUNTERED.

ALL TEMPORARY WORK REQUIRED OR SPECIFIED AS A PART OF THIS WORK, SHALL MEET ALL OF THE SAME REQUIREMENTS AS PERMANENT INSTALLATIONS, SHALL MEET ALL APPLICABLE CODE REQUIREMENTS, AND SHALL BE COMPLETELY REMOVED AFTER ITS PURPOSES HAVE BEEN SERVED.

ANY EXISTING UTILITY, SERVICE, STRUCTURE, EQUIPMENT, OR FIXTURE OBSTRUCTING THE WORK SHALL BE REMOVED AND/OR RELOCATED AS DIRECTED BY THE CONSTRUCTION MANAGER.

IF ASBESTOS IS ENCOUNTERED DURING WORK EXECUTION, CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CONSTRUCTION MANAGER AND CEASE ALL ACTIVITIES IN AFFECTED AREAS UNTIL NOTIFIED BY THE CONSTRUCTION TO RESUME OPERATIONS.

EXIST. ELECTRICAL AND MECHANICAL FIXTURES, PIPING, WIRING AND EQUIPMENT OBSTRUCTING THE WORK SHALL BE REMOVED AND/OR RELOCATED AS DIRECTED BY THE CONSTRUCTION MANAGER. TEMPORARY SERVICE INTERRUPTIONS MUST BE COORDINATED WITH OWNER.

05 STEEL:

THESE SPECIFICATIONS SHALL INCLUDE THE GENERAL SPECIFICATIONS HEREIN.

MATERIALS:

WIDE FLANGE	ASTM A992, GR 50
TUBING	ASTM A500, GR B
PIPE	ASTM A53, GR B
BOLTS	ASTM A325
GRATING	TYPE GW-2 (1-1/4"x3/16" BARS)
EXISTING METALS	ASTM A36

PROVIDE CERTIFICATION THAT WELDERS TO BE USED IN WORK ARE LICENSED AND HAVE SATISFACTORILY PASSED AWS QUALIFICATION TEST UNDER THE PROVISIONS OF APPENDIX D, PARTS II AND III OF THE AWS CODE FOR WELDING IN BUILDING CONSTRUCTION.

ALL BUILDING CONNECTION POINTS TO BE CENTERED ON EXISTING STRUCTURAL BEARING POINTS AND THE LOCATIONS ARE TO BE VERIFIED IN FIELD PRIOR TO THE FABRICATION OF STEEL.

DESIGN AND CONSTRUCTION OF STRUCTURAL STEEL SHALL CONFORM TO THE LATEST EDITION OF AISC SPECIFICATION FOR *"THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS"*.

NON-STRUCTURAL CONNECTIONS FOR STEEL GRATING MAY USE 5/8" DIAMETER GALVANIZED ASTM A 307 BOLTS UNLESS OTHERWISE NOTED.

ALL STEEL MATERIAL SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 "ZINC (HOT-DIPPED GALVANIZED) COATINGS" ON IRON AND STEEL PRODUCTS WITH A COATING WEIGHT OF 2 OZ/SF.

ALL BOLTS, ANCHORS AND MISCELLANEOUS HARDWARE EXPOSED TO WEATHER SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 "ZINC COATING (HOT-DIP) ON IRON AND STEEL HARDWARE."

DAMAGED GALVANIZED SURFACES SHALL BE REPAIRED BY TOUCHING UP ALL DAMAGED GALVANIZED STEEL WITH COLD ZINC, "GALVANOX", "DRY GALV", OR "ZINC IT", IN ACCORDANCE WITH MANUFACTURERS GUIDELINES. TOUCH UP DAMAGED NON-GALVANIZED STEEL WITH SAME PAINT APPLIED IN SHOP OR FIELD.

THE ENGINEER SHALL BE NOTIFIED OF ANY INCORRECTLY FABRICATED, DAMAGED OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH ACTION SHALL REQUIRE ENGINEER REVIEW. FIELD CUTTING OF STRUCTURAL STEEL IS NOT PERMITTED EXCEPT WITH THE PRIOR APPROVAL OF THE ENGINEER.

CONTRACTOR TO REMOVE AND RE-INSTALL ALL FIRE PROOFING AS REQUIRED DURING CONSTRUCTION.

THE STEEL STRUCTURE SHALL BE DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER COMPLETION. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE AND TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION.

ALL STEEL ELEMENTS SHALL BE INSTALLED PLUMB AND LEVEL.

TOWER MANUFACTURER'S DESIGNS SHALL PREVAIL FOR TOWER.

CONNECTIONS SHALL BE DESIGNED BY THE FABRICATOR AND CONSTRUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AISC *"MANUAL OF STEEL CONSTRUCTION"*. CONNECTIONS SHALL BE PROVIDED TO CONFORM TO THE REQUIREMENTS OF TYPE 2 CONSTRUCTION.

STRUCTURAL CONNECTION BOLTS SHALL CONFORM TO ASTM A325. ALL BOLTS SHALL BE MINIMUM 3/4" DIAMETER AND EACH CONNECTION SHALL HAVE MINIMUM TWO BOLTS. LOCK WASHERS ARE NOT PERMITTED FOR A325 STEEL ASSEMBLIES. IF TENSION CONTROL BOLTS ARE USED, CONNECTIONS SHALL BE DESIGNED FOR SLIP CRITICAL BOLT ALLOWABLE LOAD VALUES.

DESIGN CONNECTIONS AT BEAM ENDS FOR 10 KIPS (MIN).

ALL U-BOLTED CONNECTIONS SHALL BE COMPLETED WITH DOUBLE NUTS OR A LOCK WASHER.

CONTRACTOR SHALL COMPLY WITH AWS CODE FOR PROCEDURES, APPEARANCE AND QUALITY OF WELDS, AND WELDING PROCESSES SHALL BE QUALIFIED IN ACCORDANCE WITH AWS *"STANDARD QUALIFICATION PROCEDURES"*. ALL WELDING SHALL BE PERFORMED USING E70XX ELECTRODES AND SHALL CONFORM TO AISC AND D1.1. WHERE FILLET WELD SIZES ARE NOT SHOWN, PROVIDE THE LARGER OF 1/4" FILLET OR MINIMUM SIZE PER TABLE J2.4 IN THE AISC *"MANUAL OF STEEL CONSTRUCTION"*. AT THE COMPLETION OF WELDING, ALL DAMAGE TO GALVANIZED COATING SHALL BE REPAIRED. SEE NOTE REGARDING DAMAGED GALVANIZED SURFACES.

ALL ARC AND GAS WELDING SHALL BE DONE BY A LICENSED AND CERTIFIED WELDER IN ACCORDANCE WITH AWS.

SEAL ALL PENETRATIONS AND SEAMS BETWEEN MASONRY AND STEEL WITH DOW CORNING 790 SILICONE BUILDING SEALANT OR EQUAL.

26 ELECTRICAL:

THESE SPECIFICATIONS SHALL INCLUDE THE GENERAL SPECIFICATIONS HEREIN.

ALL ELECTRICAL CONDUCTORS:
- INSULATION SHALL BE MINIMUM 600V TYPE THHN, THWN-2, OR XHHW.
- BRANCH CIRCUIT CONDUCTORS SHALL BE SOFT DRAWN 98% MINIMUM CONDUCTIVITY NEWERLY REFINED COPPER.
- FEEDER CIRCUIT CONDUCTORS SHALL BE EITHER COPPER OR ALUMINUM OF THE APNEWRIATE SIZE FOR THE APPLICATION, OR AS SPECIFICALLY NOTED.
- PERMANENTLY LABEL OR TAG ALL CONDUCTORS WITH THEIR CIRCUIT DESIGNATION AT ALL TERMINATION ENDS, SPLICES, AND VISIBLE AS PASS-THROUGH IN ALL ENCLOSURES.

ALL CONDUIT, RACEWAY, WIREWAYS, DUCTS, ETC. SHALL BE LISTED AND SUITABLE FOR THE APPLICATION. ONLY THE FOLLOWING CONDUITS AS APPROVED AND LISTED FOR THE APPLICATION SHALL BE ACCEPTABLE:
- ELECTRICAL METALLIC TUBING (EMT).
- COMPRESSION COUPLINGS AND CONNECTORS ONLY MADE UP WRENCH TIGHT.
- FLEXIBLE METAL CONDUIT (FMC) AND LIQUIDTIGHT FLEXIBLE METAL CONDUIT (LFMC).
- FINAL CONNECTIONS TO VIBRATING OR ADJUSTABLE EQUIPMENT INCLUDING, BUT NOT LIMITED TO, LIGHT FIXTURES, HVAC UNITS, TRANSFORMERS, MOTORS, ETC. OR WHERE EQUIPMENT IS PLACED UPON SLAB ON-GRADE.
- RIGID GALVANIZED STEEL (RGS).
- ALL FITTINGS, CONNECTORS, AND COUPLINGS SHALL BE THREADED MADE UP WRENCH TIGHT.
- RIGID POLYVINYL CHLORIDE (PVC) SCHEDULE 40 OR SCHEDULE 80.
- MAY BE USED FOR SERVICES, EXTERIOR, BELOW GRADE, AND WET LOCATIONS.
- SHALL NOT BE USED IN CONCRETE SLABS NOR EXPOSED WITHIN A BUILDING OR STRUCTURE.
- METAL-CLAD CABLE (MC)
- CONCEALED INSTALLATIONS ONLY.
- WITHIN A DUCT WITH SMOOTH OR CORRUGATED METAL JACKET AND NO OUTER COVERING OVER THE METAL JACKET.

IN FINISHED SPACES, ALL CONDUITS SHALL BE CONCEALED EXCEPT TO MAKE A FINAL CONNECTION TO EQUIPMENT NOT MOUNTED IN OR AGAINST FINISH MATERIAL.

ALL FEEDER AND BRANCH CIRCUITS SHALL HAVE A SEPARATE NEWERLY SIZED AND MARKED GROUNDING CONDUCTOR, PER APPLICABLE CODES, THAT BONDS ALL ENCLOSURES, BOXES, ETC. CONDUIT SHALL NOT BE USED AS A GROUNDING OR BONDING CONDUCTOR.

IF EXISTING ELECTRIC SERVICE IS TO REMAIN, CONTRACTOR SHALL BE VERIFY THAT IT MEETS PROJECT REQUIREMENTS WITHOUT MODIFICATION. IF IT IS TO BE ADDED OR REPLACED AS A PART OF THIS WORK, CONTRACTOR SHALL ORDER FROM, COORDINATE WITH, AND GAIN APPROVAL FROM THE ELECTRICAL UTILITY. ALL ELECTRICAL EQUIPMENT SHALL BE AS SPECIFIED AND AS APPROVED BY THE LOCAL UTILITY WHERE APPLICABLE.

ALL EQUIPMENT, ENCLOSURES, ETC. SHALL BE SUITABLE FOR THE INSTALLED ENVIRONMENT, MINIMUM NEMA 3R FOR ALL EXTERIOR INSTALLATIONS.

WIRING DEVICES SHALL BE SPECIFICATION GRADE AND WIRING DEVICE COVER PLATES SHALL BE PLASTIC WITH ENGRAVING AS SPECIFIED. COLOR SHALL BE IVORY. ALL DEVICES AND COVER PLATES SHALL BE OF THE SAME MANUFACTURER.

ALL FIRE-RATED PENETRATIONS SHALL BE SEALED USING A SUITABLE AND LISTED FIRE SEALING DEVICE OR GROUT THAT WILL MAINTAIN THE FIRE RATING OF THE STRUCTURE PENETRATED.

PROVIDE PERMANENTLY AFFIXED ENGRAVED NAMEPLATES FOR ALL CODE REQUIRED LABELING AND ON ALL PANELS, METERING, DISCONNECTS, AND ELECTRICAL EQUIPMENT THAT IDENTIFIES EQUIPMENT SERVED, ELECTRICAL SOURCE WITH CIRCUIT IDENTIFICATION, AND VOLTAGES WITHIN.

ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL FINAL TERMINATIONS TO ALL EQUIPMENT.

ALL ELECTRICAL APPURTENANCES THAT ARE DISCONNECTED SHALL BE COMPLETELY REMOVED WITH EXISTING STRUCTURES TO REMAIN, REPAIRED, FINISHED, FILLED, PAINTED, ETC. ALL PANEL SCHEDULES, EQUIPMENT LABELING, AND CODE-REQUIRED LABELING, SHALL BE VERIFIED AND NEWERLY COMPLETED TO MATCH THE INSTALLATION.

26 GROUNDING:

THESE SPECIFICATIONS SHALL INCLUDE THE GENERAL SPECIFICATIONS HEREIN.

GROUND ALL SYSTEMS AND EQUIPMENT IN ACCORDANCE WITH BEST INDUSTRY PRACTICE, THE REQUIREMENTS OF THE NFPA 70 NATIONAL ELECTRICAL CODE (NEC), AND ALL OTHER APPLICABLE CODES AND REGULATIONS.

ALL GROUNDING ELECTRODES PRESENT AT EACH SERVICE LOCATION SHALL BE BONDED TOGETHER TO FORM THE GROUNDING ELECTRODE SYSTEM.

ALL EQUIPMENT ENCLOSURES, DEVICES, AND CONDUITS SHALL BE GROUNDED BY THE INSTALLATION OF A SEPARATE GROUNDING CONDUCTOR FOR ALL FEEDER AND BRANCH CIRCUITS THAT IS SIZED PER CODE OR IS OF THE SIZE INDICATED ON THE DRAWINGS, SHALL BE CONTINUOUS IN LENGTH, AND SHALL BE BONDED TO EACH ENCLOSURE PASSED THROUGH. CONDUIT SHALL NOT BE USED AS A GROUNDING OR BONDING WIRE OR CIRCUIT.

BOND ALL METALLIC CONDUITS TOGETHER THAT ARE CONNECTED TO NON-METALLIC ENCLOSURES, IN-GROUND BOXES, AND TO AN ENCLOSURE WHERE A GROUND BUS IS SPECIFIED OR SUPPLIED. ACCOMPLISH THIS BOND WITH GROUNDING CONDUCTORS MINIMUM SIZED TO THE LARGEST GROUNDING CONDUCTOR PRESENT IN THE ENCLOSURE CONNECTED TO A GROUNDING TYPE BUSHING EQUALLY SIZED OR MAXIMUM GROUND WIRE ACCOMMODATION AVAILABLE IN STANDARD MANUFACTURE FOR THE CONDUIT SIZE, WHICHEVER IS LESS.

EQUIPMENT GROUNDING AND LOAD SIDE BONDING CONDUCTORS SHALL BE SIZED PER THE CIRCUIT'S OVER-CURRENT PROTECTIVE DEVICE (OCPD) SIZE. WHERE THE UNGROUNDED CONDUCTORS ARE INCREASED IN SIZE ABOVE THE STANDARD FOR THE CIRCUIT'S OCPD, INCREASE THE GROUNDING CONDUCTOR NEWORTIONATELY TO THE CROSS-SECTIONAL AREA OF THE UNGROUNDED CONDUCTORS.

SERVICE MAIN BONDING JUMPERS AND GROUNDING ELECTRODE CONDUCTORS SHALL BE SIZED AND INSTALLED PER THE MINIMUM OF ALL APPLICABLE CODES AND REGULATIONS.

26 LIGHTNING PROTECTION:

THESE SPECIFICATIONS SHALL INCLUDE THE GENERAL SPECIFICATIONS AND THE GROUNDING SPECIFICATIONS HEREIN.

THE LIGHTNING PROTECTION GROUNDING SYSTEM (LPGS) SHALL CONSIST OF BONDING ALL EQUIPMENT AND CONDUCTIVE STRUCTURES TO LOCALIZED SINGLE-POINT GROUNDING CONNECTIONS (TYPICALLY GROUND BARS) WHICH ARE BONDED TOGETHER AND TO AN IN-GROUND SYSTEM. IF THE LPGS IS ON A BUILDING, IT SHALL BE EFFECTIVELY BONDED TO THE ELECTRICAL SERVICE MAIN BONDING JUMPER AND TO ADDITIONAL IN-GROUND ELECTRODES AS MAY BE REQUIRED OR INDICATED. IF THE LPGS IS ON A DEDICATED COMMUNICATION SITE, ALL EQUIPMENT AREAS AND TOWERS SHALL EACH HAVE THEIR OWN IN-GROUND RING WITH EVERY RING BONDED TOGETHER, AND ALL CONDUCTIVE STRUCTURES IN CLOSE PROXIMITY (FENCES, ICE BRIDGES, ISOLATED EQUIPMENT, ETC.) ALSO BONDED TO PROVIDE A COMMON ELECTRICAL EQUIPOTENTIAL SYSTEM FOR ALL CONDUCTIVE ELEMENTS AND STRUCTURES.

CONDUCTORS:
- MIN #2 AWG SOLID BARE TINNED COPPER (SBTC) FOR ALL IN-GROUND CONDUCTORS.
- MIN #2 AWG COPPER GREEN STRANDED FOR BONDING STRUCTURES, AND FOR INTER-SYSTEM BONDING OF INDIVIDUAL ELEMENTS SUCH AS GROUND BAR TO GROUND BAR.
- MIN #6 AWG COPPER GREEN STRANDED OR ALL EQUIPMENT BONDING.
- INSTALL ALL IN-GROUND CONDUCTORS IN THE SAME HORIZONTAL PLANE OR IN A DOWNWARD DIRECTION AWAY FROM THE TOWER AND EQUIPMENT AREAS.
- AVOID LONG RUNS. MAKE DIRECT RUNS AS MUCH AS POSSIBLE.
- PLACE THROUGH NON-METALLIC SLEEVES WHEN PASSING THROUGH FLOORS, WALLS, CEILINGS, AND SIMILAR STRUCTURES.
- MAKE ALL CONNECTIONS IN CONTACT WITH EARTH WITH EXOTHERMIC WELDING. MAKE ALL OTHER CONNECTIONS WITH EXOTHERMIC WELDING, IRREVERSIBLE COMPRESSION CONNECTORS, OR LISTED COMPRESSION TWO-HOLE LUGS.
- INSTALL ALL CONDUCTORS WITH A MINIMUM 18 INCH BEND RADIUS AND NO BEND LONGER THAN A 90 DEGREE ARC. ALL BENDS SHALL BE HORIZONTAL, OR DOWNWARD TOWARDS EARTH.
- ALL CONDUCTORS PASSING FROM ABOVE-GROUND TO IN-GROUND CONNECTIONS, WHERE EXPOSED, SHALL BE COVERED AND PROTECTED WITH A NON-METALLIC CONDUIT SEALED AT BOTH ENDS.
- IF 2 OR MORE IN-GROUND CONDUCTOS ARE IN THE SAME PATH (2 RINGS OVERLAPPING, BONDING FOLLOWING ANOTHER RING OR RADIAL, OR SIMILAR), COMBINE WITH A SHARED SINGLE CONDUCTOR.

EQUIPMENT AND TOWER GROUND RINGS SHALL BE:
- BONDED TO ANY CONDUCTIVE OBJECT OR STRUCTURE WITHIN 5 FEET OF EQUIPMENT GROUND RINGS AND WITHIN 20 FEET OF TOWER GROUND RINGS.
- INSTALLED MINIMUM 18 INCHES FROM FOUNDATIONS, FOOTINGS, AND SIMILAR.

INSTALL ALL IN-GROUND RINGS, RADIALS, BONDS CONNECTING THEM, AND ALL SIMILAR GROUNDING:
- MIN 30 INCHES BELOW GRADE, OR 6 INCHES BELOW THE FROST LINE, WHICHEVER IS GREATER DEPTH.
- MIN 2 FEET FROM FOUNDATIONS, FOOTINGS, OTHER GROUNDING SYSTEMS, AND SIMILAR STRUCTURES, EXCEPT WHEN MAKING A BOND TO ANY OF THESE STRUCTURES. DO NOT BOND TO FOUNDATION INTERNAL REINFORCEMENT.

ALL EQUIPMENT GROUPED IN A COMMON AREA, COMPOUND, STRUCTURE, OR SIMILAR SHALL BE BONDED TO A SINGLE-POINT GROUND, PREFERABLY AN ISOLATED GROUND BAR. BOND THE GROUND BAR TO THE SYSTEM WITH MINIMUM SINGLE BONDING CONDUCTOR. IF BONDING TO AN IN-GROUND RING, INSTALL 2 BONDING CONDUCTORS MINIMUM WITH EACH CONDUCTOR INSTALLED DIRECTIONALLY AWAY FROM EACH OTHER AND PARALLEL TO THE IN-GROUND CONDUCTOR, WITH NO TEE CONNECTIONS.

TOWER GROUNDING:
- EACH TOWER LEG SHALL BE BONDED TO ITS RING. SINGLE-LEGGED TOWERS, OR MONOPOLES, SHALL HAVE 2 BONDS ON OPPOSITE SIDES.
- BOND TO TOWER BASE, NOT TO VERTICAL TOWER STRUCTURE, AWAY FROM TOWER MOUNTING HARDWARE.
- EACH BOND SHALL HAVE A CORRESPONDING GROUND ROD ON THE RING.
- EACH BOND SHALL CONSIST OF 2 CONDUCTORS FROM THE TOWER TO ITS RING WITH EACH CONDUCTOR DIRECTED IN OPPOSITE DIRECTIONS WITH A PARALLEL CONNECTION ON THE RING ON OPPOSITE SIDES OF THE GROUND ROD.

EQUIPMENT AREA GROUNDING:
- COMMUNICATION AREAS ON EARTH SHALL HAVE A GROUND RING.
- BOND ALL EQUIPMENT TO A SINGLE-POINT GROUND (GROUND BAR).
- BOND THE EQIPMENT SINGLE-POINT GROUND TO THE EQUIPMENT GROUND RING WITH MINIMUM 2 CONDUCTORS DIRECTED IN OPPOSITE DIRECTIONS WITH PARALLEL CONNECTIONS ON THE RING.
- IF EQUIPMENT IS ENCLOSED IN A SHELTER:
- IF THE SHELTER IS CONSIDERED TO BE EXPOSED TO A DIRECT LIGHTNING STRIKE, INSTALL A BUILDING LIGHTNING PROTECTION SYSTEM PER APPLICABLE VERSION OF NFPA 780.
- BOND ALL FIXED CONDUCTIVE BUILDING COMPONENTS TOGETHER AND TO THE BUILDING RING GROUND AT THE CORNERS. THIS IS TYPICALLY CALLED THE HALO GROUND. DO NOT BOND EQUIPMENT TO THE HALO GROUND.
- BOND ALL EQUIPMENT TOGETHER TO A SINGLE-POINT OR INTERIOR EQUIPMENT RING GROUND (IEGR). BOND THE SINGLE-POINT OR IEGR TO THE EXTERNAL EQUIPMENT RING GROUND.
- PLACE GROUND RODS AT THE EQUIPMENT GROUND RING CORNERS.

GROUND RODS:
- SEPARATION SPACE BETWEEN ANY 2 GROUND RODS SHALL BE NO CLOSER THAN THEIR DEPTH. THIS APPLIES TO ALL RODS IN THE COMPLETE SYSTEM.
- DRIVE VERTICALLY IN UNDISTURBED SOIL WITH THE TOP AT SAME DEPTH AS THE IN-GROUND CONDUCTOR. IF NOT POSSIBLE TO INSTALL VERTICALLY, PLACE AS CLOSE TO VERTICAL AS POSSIBLE AND IN A DIRECTION AWAY FROM THE NEAREST ABOVE-GROUND CONDUCTIVE ELEMENT (TOWER, EQUIPMENT, ETC.).

RADIALS (TYP. NEW DEDICATED COMMUNICATION SITES):
- WHERE FEASIBLE WITH ENOUGH SPACE AVAILABLE, INSTALL A MINIMUM OF 4, MAXIMUM 10 RING RADIALS.
- EACH RADIAL'S LENGTH SHALL BE MIN 20 FT, MAX 80 FT.
- EXTEND RADIALS PERPENDICULAR FROM RINGS IN AS STRAIGHT LINE AS POSSIBLE, AWAY FROM OTHER RING GROUNDS, RADIALS, BONDS, AND SIMILAR.
- A COMMON PRACTICE IS TO PLACE 4 RADIALS FROM THE TOWER RING TO THE 4 CORNERS OF THE AVAILABLE AREA.

AT A MINIMUM, BOND ALL COMPOUND CONDUCTIVE FENCE CORNER POSTS AND GATE POSTS TO THE LPGS. PREFERABLY, INSTALL A GROUND RING THAT FOLLOWS THE FENCE LINE, BONDING ALL POSTS TO THE RING.

27 ANTENNAS & CABLES:

THESE SPECIFICATIONS SHALL INCLUDE THE GENERAL SPECIFICATIONS HEREIN.

THE CONTRACTOR SHALL FURNISH AND INSTALL ALL TRANSMISSION CABLES, JUMPERS, CONNECTORS, GROUNDING STRAPS, ANTENNAS, MOUNT AND HARDWARE. ALL MATERIALS SHALL BE INSPECTED BY THE CONTRACTOR FOR DAMAGE UPON DELIVERY. JUMPERS SHALL BE SUPPLIED AT ANTENNAS AND EQUIPMENT INSIDE SHELTER. COORDINATE LENGTH OF JUMPER CABLES WITH OWNER. COORDINATE AND VERIFY ALL OF THE MATERIALS TO BE PROVIDED WITH OWNER PRIOR TO SUBMITTING BID AND ORDERING MATERIALS.

AFTER INSTALLATION, THE TRANSMISSION LINE SYSTEM SHALL BE PIM / SWEEP TESTED FOR NEWER INSTALLATION AND DAMAGE WITH ANTENNAS CONNECTED. CONTRACTOR SHALL OBTAIN AND USE LATEST TESTING PROCEDURES FROM OWNER OR MANUFACTURER PRIOR TO BIDDING.

ANTENNA CABLES SHALL BE UNIQUELY COLOR-CODED AT THE ANTENNAS, BOTH SIDES OF EQUIPMENT SHELTER WALL, AND JUMPER CABLES AT THE EQUIPMENT.

THE CONTRACTOR SHALL FURNISH AND INSTALL ALL CONNECTORS, ASSOCIATED CABLE MOUNTING AND GROUNDING HARDWARE, WALL MOUNTS, STANDOFFS, AND ALL ASSOCIATED HARDWARE TO INSTALL ALL CABLES AND ANTENNAS TO THE MANUFACTURER'S AND OWNER'S SPECIFICATIONS.

ANTENNA CABLES SHALL BE FOAM DIELECTRIC COAXIAL CABLES AS FOLLOWS:
- BASE STATION ANTENNAS:
  - 7/8" DIAMETER FOR CABLE LENGTHS UP TO 100 FT.
  - 1-5/8" DIAMETER FOR CABLE LENGTHS GREATER THAN 100 FT.
  - GPS ANTENNAS:
  - 7/8" DIAMETER FOR CABLE LENGTHS UP TO 200 FT.
  - 1-5/8" DIAMETER FOR CABLE LENGTHS GREATER THAN 200 FT.

MINIMUM BENDING RADIUS FOR COAXIAL CABLES SHALL BE:
- 15 FT FOR 7/8" COAXIAL CABLES.
- 25 FT FOR 1-5/8" COAXIAL CABLES.

CABLE SHALL BE INSTALLED WITH A MINIMUM NUMBER OF BENDS WHERE POSSIBLE. CABLE SHALL NOT BE LEFT UNTERMINATED AND SHALL BE SEALED IMMEDIATELY AFTER BEING INSTALLED.

ALL EXTERIOR CABLE CONNECTIONS SHALL BE COVERED WITH A WATERPROOF SPLICING KIT.

CONTRACTOR SHALL VERIFY EXACT LENGTH AND DIRECTION OF TRAVEL IN FIELD PRIOR TO CONSTRUCTION.

CABLE SHALL BE FURNISHED AND INSTALLED WITHOUT SPLICES AND WITH CONNECTORS AT EACH END.

27 CABLE TRAY:

THESE SPECIFICATIONS SHALL INCLUDE THE GENERAL SPECIFICATIONS HEREIN.

CABLE TRAY SHALL BE MADE OF EITHER CORROSION RESISTANT METAL OR WITH A CORROSION RESISTANT FINISH.

CABLE TRAY SHALL BE OF LADDER TRAY TYPE WITH FLAT COVER CLAMPED TO SIDE RAILS.

CABLE LADDER SHALL BE SIZED TO FIT ALL CABLES IN ACCORDANCE WITH NEC AND NEMA 11-15-84.

CABLE LADDER TRAYS SHALL BE NEMA CLASS 12A BY PW INDUSTRIES, INC. OR EQUAL.

CABLE LADDER TRAY SHALL BE SUPPORTED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

ALL WORKMANSHIP SHALL CONFORM TO THESE REQUIREMENTS AND ALL LOCAL CODES AND STANDARDS TO ENSURE SAFE AND ADEQUATE GROUNDING SYSTEM.

Cellco Partnership d/b/a
verizon
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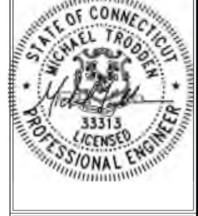
CONSTRUCTION DOCUMENTS

NO	DATE	REVISION
0	02/18/21	FOR REVIEW: JRM
1	04/26/21	FOR CONSTRUCTION: JRM
2		
3		
4		
5		
6		



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APT FILING NUMBER: CT141_11940

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SHEET TITLE:

NOTES & SPECIFICATIONS

SHEET NUMBER:

N-1

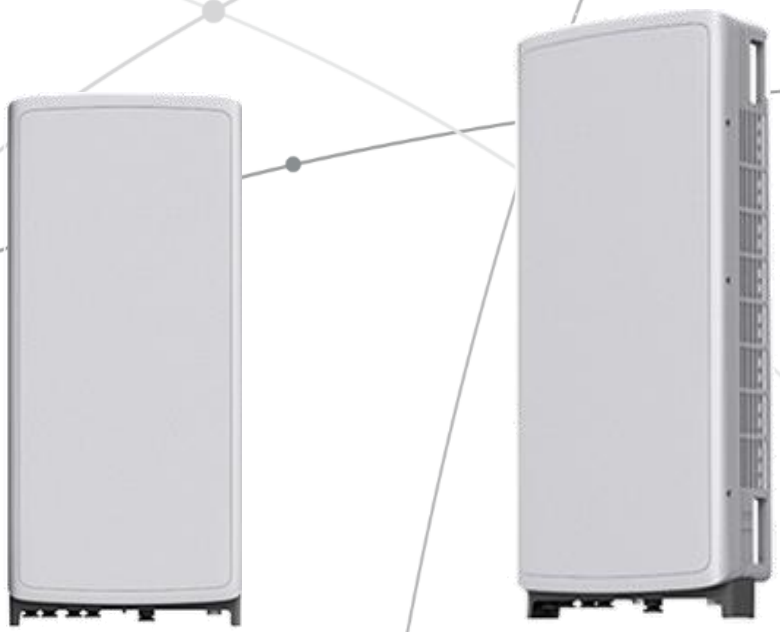
SAMSUNG

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

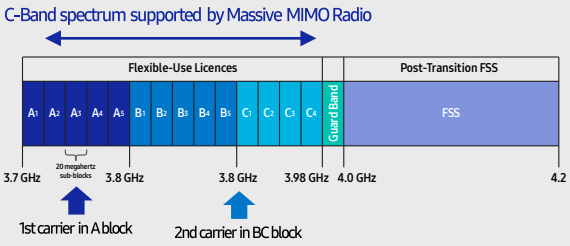


Points of Differentiation

Wide Bandwidth

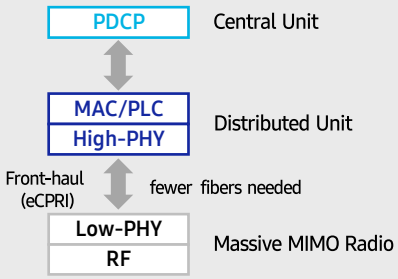
With capability to support up to 2 CC carrier configuration, Samsung C-Band massive MIMO Radio supports 200 MHz bandwidth in the C-Band spectrum.

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.

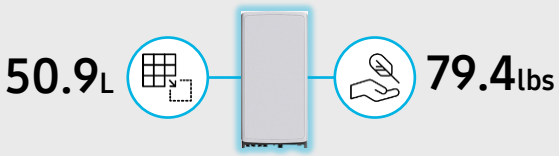
This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

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

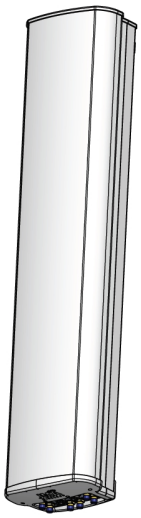
MX06FRO660-03

NWAV™ X-Pol Hex-Port Antenna

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

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

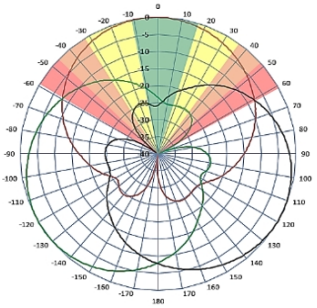
- Fast Roll Off (FRO™) azimuth beam pattern improves Intra- and Inter-cell SINR
- Compatible with dual band 700/850 MHz radios with independent low band EDT without external diplexers
- Fully integrated (iRETs) with independent RET control for low and high bands for ease of network optimization
- SON-Ready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



Fast Roll-Off antennas increase data throughput without compromising coverage

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

Non-FRO antenna



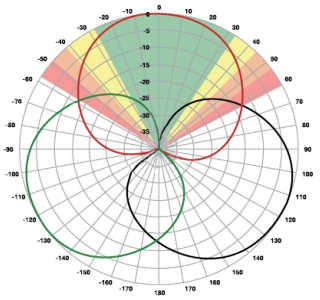
Large traditional antenna pattern overlap creates harmful interference.

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

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

The LTE radio automatically selects the best throughput based on measured SINR.

JMA FRO antenna



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

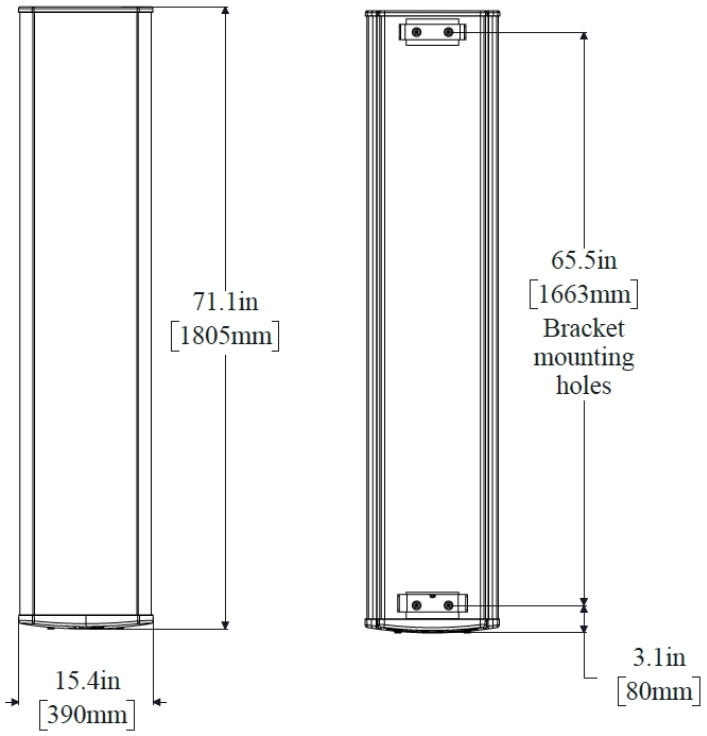
[1] Typical value over frequency and tilt

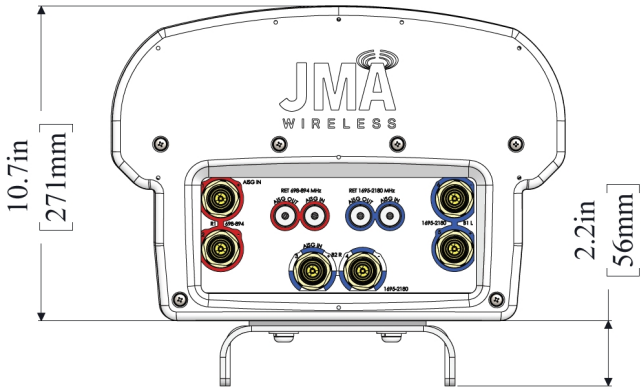
MX06FRO660-03

NWAV™ X-Pol Hex-Port Antenna

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

Front view | **Back view** | **Bottom view**





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

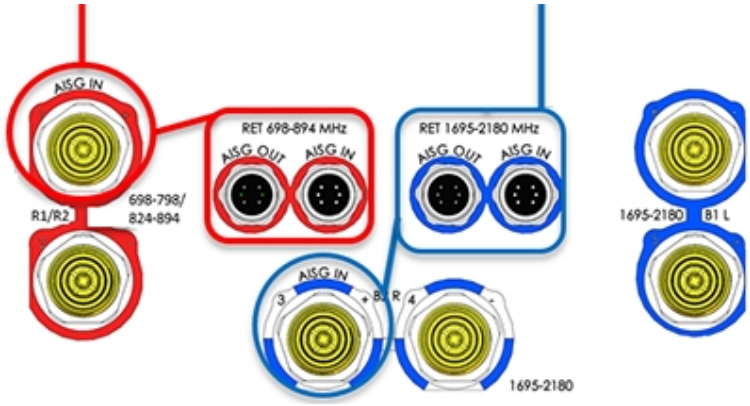
Remote electrical tilt (RET 1000) information	
RET location	Integrated into antenna
RET interface connector type	8-pin AISG connector per IEC 60130-9
RET connector torque	Min 0.5 N·m to max 1.0 N·m (hand pressure & finger tight)
RET interface connector quantity	2 pairs of AISG male/female connectors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

RET and RF connector topology

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

RET device	Band	RF port
R1	698-798	1-2
R2	824-894	1-2

RET device	Band	RF port
B1/B2	1695-2180	3-6

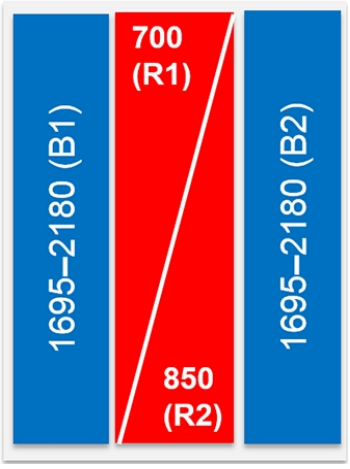


Array topology

3 sets of radiating arrays

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

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



ATTACHMENT 3

	General	Power	Density					
Site Name: Hamden 5								
Tower Height: Verizon @ 143ft								
CARRIER	**# OF CHAN.**	**WATTS ERP**	**HEIGHT**	**CALC. POWER DENS**	**FREQ.**	**MAX. PERMISS. EXP.**	**FRACTION MPE**	**Total**
*T-Mobile	1	11045	128	2500	0.2669	1.0000	2.67%	
*T-Mobile	1	1074	128	2500	0.0259	1.0000	0.26%	
*T-Mobile	1	22089	128	2500	0.5337	1.0000	5.34%	
*T-Mobile	1	2148	128	2500	0.0519	1.0000	0.52%	
*T-Mobile	2	592	128	600	0.0286	0.4000	0.72%	
*T-Mobile	1	1578	128	600	0.0381	0.4000	0.95%	
*T-Mobile	2	648	128	700	0.0313	0.4667	0.67%	
*T-Mobile	4	1102	128	1900	0.1065	1.0000	1.07%	
*T-Mobile	2	2204	128	1900	0.1065	1.0000	1.07%	
*T-Mobile	2	2334	128	2100	0.1128	1.0000	1.13%	
VZW 700	**4**	**638**	**143**	**0.0045**	**751**	**0.5007**	**0.90%**	
VZW Cellular	**4**	**638**	**143**	**0.0045**	**874**	**0.5827**	**0.77%**	
VZW PCS	**4**	**1462**	**143**	**0.0103**	**1975**	**1.0000**	**1.03%**	
VZW AWS	**4**	**1566**	**143**	**0.0110**	**2120**	**1.0000**	**0.83%**	
VZW CBAND	**4**	**6531**	**143**	**0.0459**	**3730.08**	**1.0000**	**4.59%**	
								22.50%
* 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 136 ft EEI Monopole

Customer Name: SBA Communications Corp

Customer Site Number: CT46137-A

Customer Site Name: Hamden-State St

Carrier Name: Verizon (App#: 159615, V1)

Carrier Site ID / Name: PSLC 467276 / Hamden_5_CT

Site Location: 2895 State Street

Hamden, Connecticut

New Haven County

Latitude: 41.360008

Longitude: -72.885694

Exp.10/31/2021

07/29/2021

Analysis Result:

Max Structural Usage: 78.1% [Pass]

Max Foundation Usage: 75.2% [Pass]

Additional Usage Caused by New Mount/Mount Modification: N/A

Report Prepared By : Mariana Franco

Introduction

The purpose of this report is to summarize the analysis results on the 136 ft EEI 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	Engineered Endeavors Incorporated (Job No. 5315-P01) Structure & Foundation Design Calculations dated August 16. 1999
Foundation Drawing	
Geotechnical Report	Dr. Clarence Welti, P.E., P.C., Project Name: Nextel Tower Site, dated 5/27/1999
Modification Drawings	
Mount Analysis	n/a

Analysis Criteria

The feasibility 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} = 125.0 mph (3-Sec. Gust)/ Nominal Design Wind Speed V_{asd} = 97.0 mph (3-Sec. Gust)
Wind Speed with Ice:	50 mph (3-Sec. Gust) with 3/4" 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
			Andrew LNX-6514DS-VTM Panel	Low Profile Platform w/ Handrail Kit	(2) 1 5/8" Hybrid	Verizon
			Andrew HBX-6517DS-VTM Panel			
			Samsung B2/B66A RRHBR049			
			Samsung B5/B13 RRHBR04C			
			Raycap RVZDC-6627-PF-48 COVP			
			Ericsson Air 6449 B41 - Panel	SitePro RMQP-496-HK	(2) 1-1/4" Hybrid (1) 1.9" Fiber	T-Mobile
			RFS APXVAARR24_43-U-NA20 (Octa) - Panel			
		3	RFS APX16DWV-16DWVS-E-A20 - Panel			
			Ericsson KRY 112 144/2 TMA			
			Ericsson 4449 B71 + B85			
			Ericsson 4424 B25			
			Ericsson 4415 B66A			

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
			Andrew HBX-6517DS-VTM - Panel	Low Profile Platform w/ Handrail Kit @ 136.0'	Hybrid	Verizon
		6	JMA Wireless MX06FRO660-03 - Panel			
			Samsung B2/B66A RRHBR049			
			Samsung B5/B13 RRHBR04C			
			Raycap RVZDC-6627-PF-48			
			Samsung MT6407-77A - Panel			

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)
Original Design Reactions		
Analysis Reactions		
Factored Reactions*		
% of Design Reactions		

* Per section 15.5.1 of the TIA-222-G standard, factored reactions were obtained by multiplying a 1.35 factor to the original design reactions.

A foundation reactions comparison was performed between the original design reactions and the current analysis reactions. Since the reactions calculated from the current analysis are less than those indicated on the original structural design drawing, the foundations are assumed to be adequate to resist the reactions from the current analysis.

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 1.8275 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 71.96% at 92.0ft

Structure:	CT46137-A-SBA	**Code:**	EIA/TIA-222-G	7/29/2021
Site Name:	Hamden-State St	**Exposure:**	C	
Height:	136.00 (ft)	**Gh:**	1.1	
Base Elev:	0.000 (ft)			Page: 1

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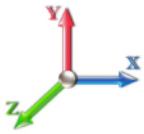
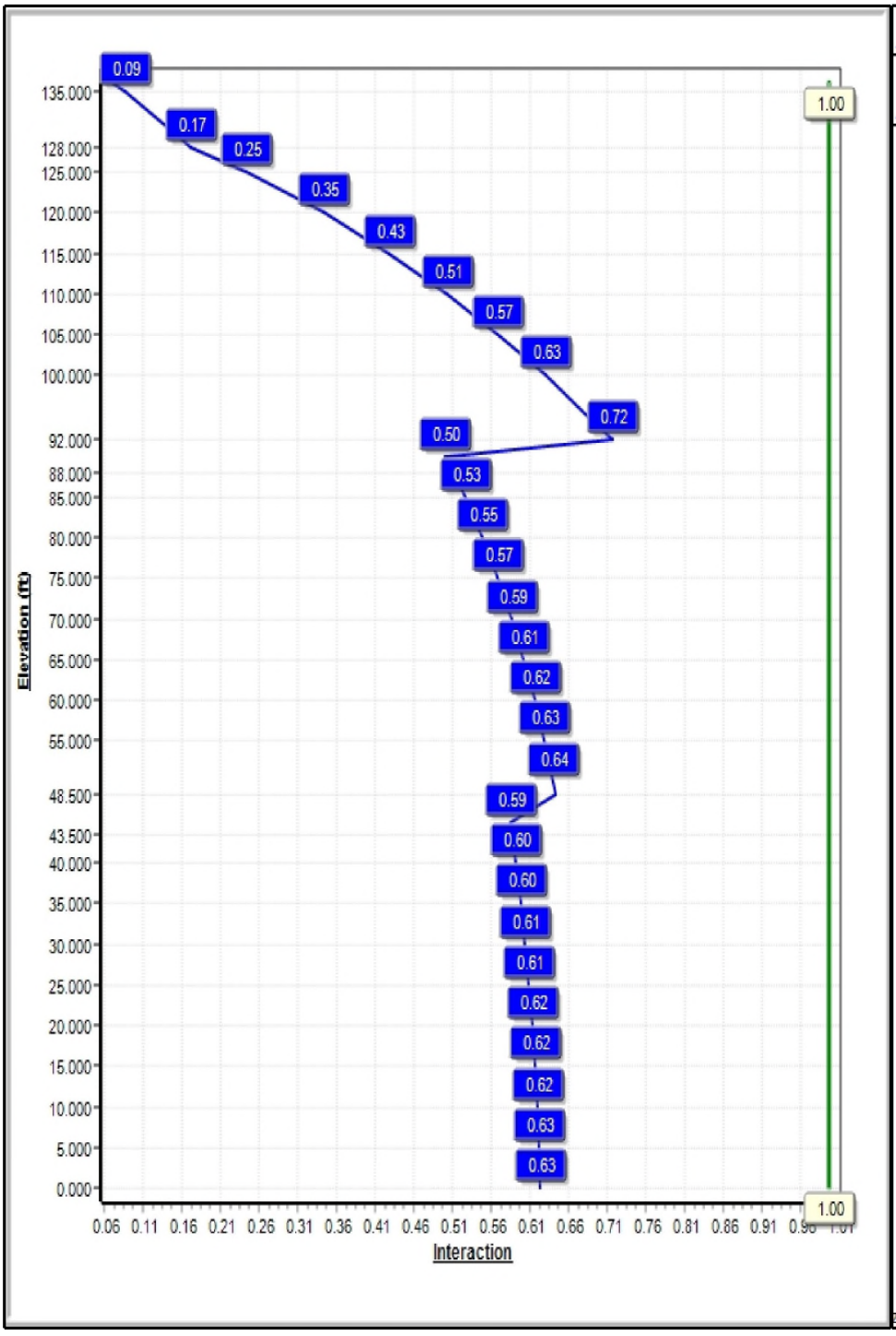
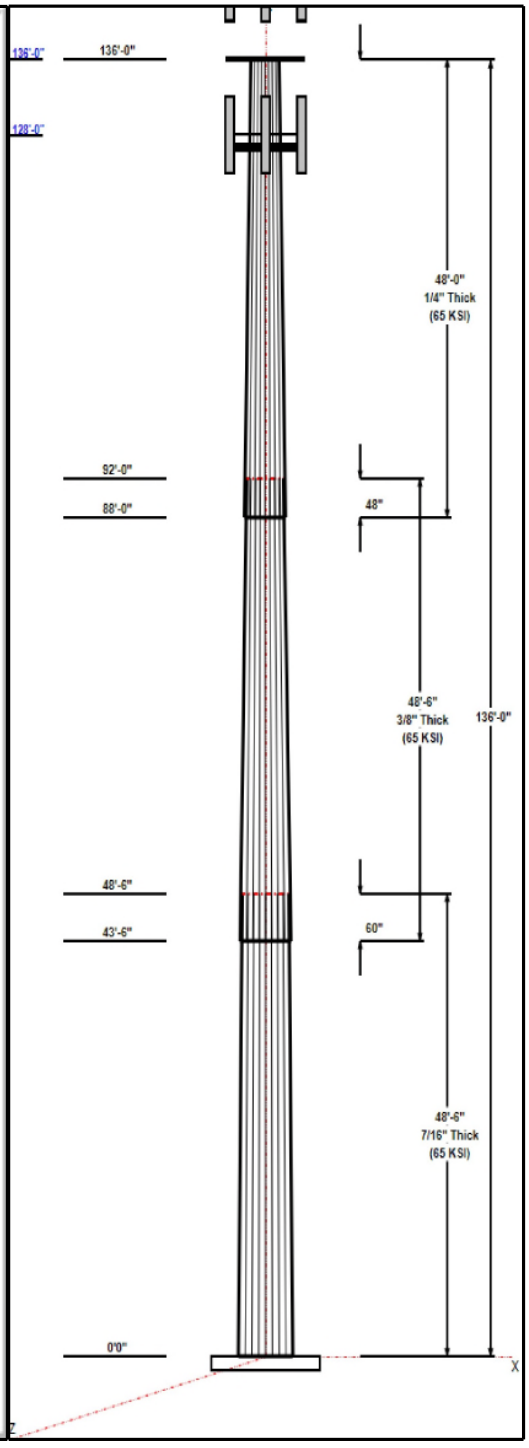
Dead Load Factor:	1.20	**Iterations:**	25
Wind Load Factor:	1.60		

Load Case : 1.2D + 1.6W 97 mph Wind







Structure: CT46137-A-SBA

Type: Tapered
Site Name: Hamden-State St
Height: 136.00 (ft)
Base Elev: 0.00 (ft)

Base Shape: 18 Sided
Taper: 0.18566

7/29/2021

Tower Engineering Solutions

Shaft Properties

Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	48.50	34.00	43.00	0.438		0.18566	65
2	48.50	26.67	35.67	0.375	Slip	0.18566	65
3	48.00	19.00	27.91	0.250	Slip	0.18566	65

Discrete Appurtenances

Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
136.00	136.00	1	HRR12-U Handrail	Verizon
136.00	143.00	3	HBX-6517DS-VTM	Verizon
136.00	143.00	6	MX06FRO660-02	Verizon
136.00	143.00	3	B2/B66A RRH-BR049	Verizon
136.00	143.00	3	B5/B13 RRH-BR04C	Verizon
136.00	143.00	2	RVZDC-6627-PF-48	Verizon
136.00	143.00	3	MT6407-77A	Verizon
136.00	136.00	1	Low Profile Platform	Verizon
128.00	128.00	3	Air 6449 B41	T-Mobile
128.00	128.00	3	APXVAARR24_43-U-NA20	T-Mobile
128.00	128.00	3	APX16DWV-16DWVS-E-A	T-Mobile
128.00	128.00	3	Ericsson KRY 112 144/2	T-Mobile
128.00	128.00	3	Ericsson 4449 B71 + B85	T-Mobile
128.00	128.00	3	Ericsson 4424 B25	T-Mobile
128.00	128.00	3	Ericsson 4415 B66A	T-Mobile
128.00	128.00	1	SitePro RMQP-496-HK	T-Mobile

Linear Appurtenances

Elev From (ft)	Elev To (ft)	Placement	Description	Carrier
0.00	136.00	Inside	1 5/8" Hybrid	Verizon
0.00	128.00	Inside	1 5/8" Coax	T-Mobile
0.00	128.00	Inside	1-1/4" Hybrid	T-Mobile
0.00	128.00	Inside	1.9" Fiber	T-Mobile

Anchor Bolts

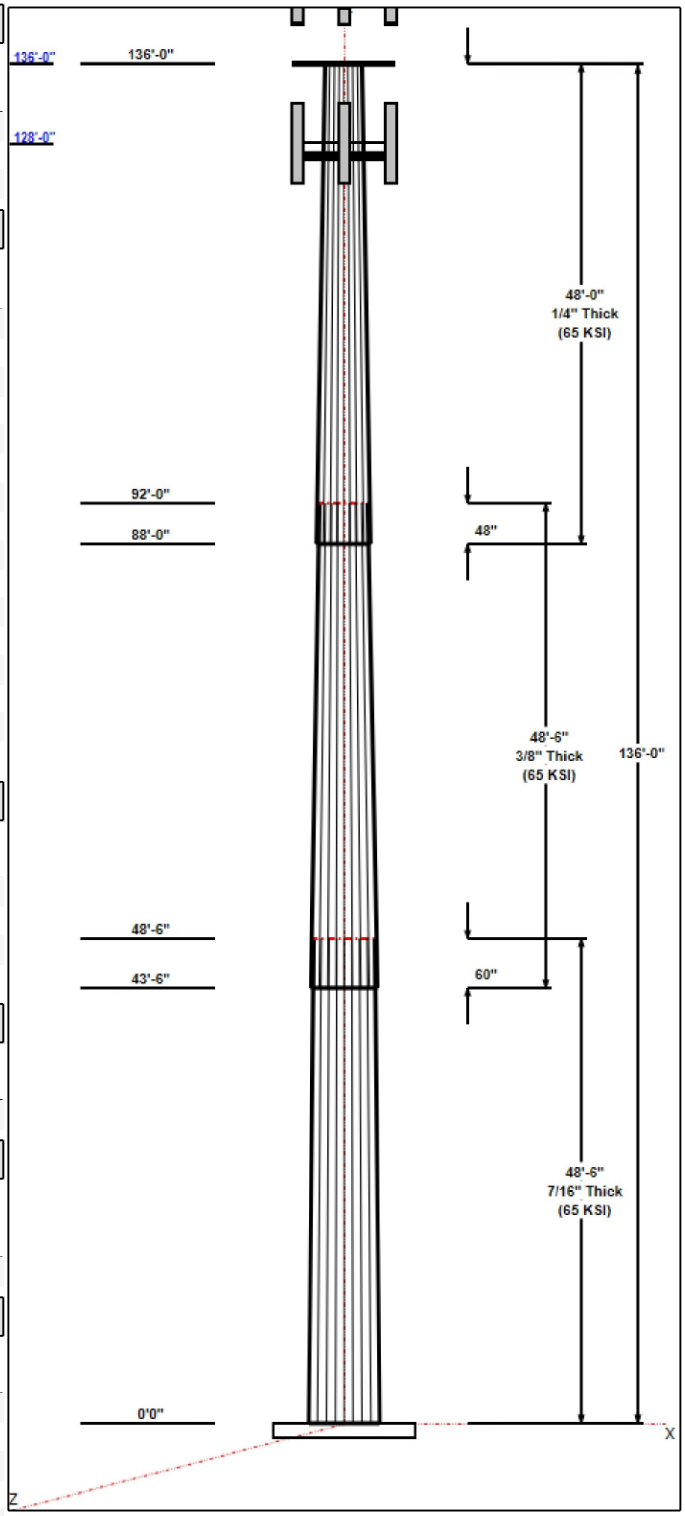
Qty	Specifications	Grade (ksi)	Arrangement
16	2.25" 18J	75.0	Radial

Base Plate

Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
2.0000	57.0	60.0	Round

Reactions

Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.6W 97 mph Wind	2379.1	22.1	31.7
0.9D + 1.6W 97 mph Wind	2347.7	22.1	23.8
1.2D + 1.0Di + 1.0Wi 50 mph Wind	653.4	6.2	48.4
1.2D + 1.0E	232.7	2.0	31.7
0.9D + 1.0E	229.4	2.0	23.8
1.0D + 1.0W 60 mph Wind	565.1	5.3	26.4



Structure: CT46137-A-SBA - Coax Line Placement

Type: Monopole
Site Name: Hamden-State St
Height: 136.00 (ft)

7/29/2021

Tower Engineering Solutions

Shaft Properties

Structure:	CT46137-A-SBA		**Code:**	EIA/TIA-222-G	7/29/2021
Site Name:	Hamden-State St		**Exposure:**	C	
Height:	136.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 4

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Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	18	48.500	0.4375	65		0.00	8,722
2	18	48.500	0.3750	65	Slip	60.00	6,049
3	18	48.000	0.2500	65	Slip	48.00	3,007
					Total Shaft Weight:		**17,779**

	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	43.00	0.00	59.10	13527.07	15.92	98.29	34.00	48.50	46.60	6629.90	12.29	77.70	0.185662
2	35.67	43.50	42.01	6613.82	15.36	95.13	26.67	92.00	31.30	2733.70	11.13	71.12	0.185662
3	27.91	88.00	21.95	2121.90	18.28	111.65	19.00	136.00	14.88	660.83	11.99	76.00	0.185662

Load Summary

Structure:	CT46137-A-SBA		**Code:**	EIA/TIA-222-G	7/29/2021
Site Name:	Hamden-State St		**Exposure:**	C	
Height:	136.00 (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

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	136.00	HRR12-U Handrail	1	400.00	6.75	0.75	870.07	13.283	0.75	0.00	0.00
2	136.00	HBX-6517DS-VTM	3	18.70	5.29	0.75	138.37	6.564	0.75	0.00	7.00
3	136.00	MX06FRO660-02	6	46.00	9.87	0.87	311.95	11.232	0.87	0.00	7.00
4	136.00	B2/B66A RRH-BR049	3	84.40	1.87	0.67	160.03	2.437	0.67	0.00	7.00
5	136.00	B5/B13 RRH-BR04C (RFV01U-D2A)	3	70.30	1.87	0.67	138.81	2.437	0.67	0.00	7.00
6	136.00	RVZDC-6627-PF-48	2	32.00	4.06	1.00	144.82	4.874	1.00	0.00	7.00
7	136.00	MT6407-77A	3	79.40	4.69	0.70	197.53	5.628	0.70	0.00	7.00
8	136.00	Low Profile Platform	1	1500.00	22.00	1.00	2796.15	39.489	1.00	0.00	0.00
9	128.00	Air 6449 B41	3	103.00	5.65	0.71	237.96	6.586	0.71	0.00	0.00
10	128.00	APXVAARR24_43-U-NA20 (Octa)	3	128.00	20.24	0.70	538.53	22.109	0.70	0.00	0.00
11	128.00	APX16DWV-16DWVS-E-A20	3	40.70	6.61	0.62	155.92	8.754	0.62	0.00	0.00
12	128.00	Ericsson KRY 112 144/2 TMA	3	11.00	0.41	0.70	21.61	0.878	0.70	0.00	0.00
13	128.00	Ericsson 4449 B71 + B85	3	70.00	1.65	0.67	136.90	2.178	0.67	0.00	0.00
14	128.00	Ericsson 4424 B25	3	88.00	2.05	0.67	172.73	2.635	0.67	0.00	0.00
15	128.00	Ericsson 4415 B66A	3	49.60	1.64	0.67	105.58	2.178	0.67	0.00	0.00
16	128.00	SitePro RMQP-496-HK	1	2449.00	48.00	1.00	4973.07	80.981	1.00	0.00	0.00
		Totals:	**44**	**6,918.30**			**16,812.57**				

Linear Appurtenances

Bottom Elev. (ft)	**Top Elev. (ft)**	**Description**	**Exposed Width**	**Exposed**
0.00	136.00	(2) 1 5/8" Hybrid	0.00	Inside
0.00	128.00	(8) 1 5/8" Coax	0.00	Inside
0.00	128.00	(2) 1-1/4" Hybrid	0.00	Inside
0.00	128.00	(1) 1.9" Fiber	0.00	Inside

Shaft Section Properties

Structure:	CT46137-A-SBA	**Code:**	EIA/TIA-222-G	7/29/2021	
Site Name:	Hamden-State St	**Exposure:**	C		
Height:	136.00 (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	

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	43.000	59.101	13527.1	15.92	98.29	82.5	619.6	0.0
5.00		0.4375	42.072	57.812	12661.1	15.55	96.16	82.5	592.7	994.6
10.00		0.4375	41.143	56.523	11833.0	15.17	94.04	82.5	566.5	972.6
15.00		0.4375	40.215	55.234	11041.7	14.80	91.92	82.5	540.8	950.7
20.00		0.4375	39.287	53.945	10286.6	14.42	89.80	82.5	515.7	928.8
25.00		0.4375	38.358	52.656	9566.7	14.05	87.68	82.5	491.2	906.9
30.00		0.4375	37.430	51.367	8881.1	13.67	85.55	82.5	467.3	884.9
35.00		0.4375	36.502	50.078	8229.2	13.30	83.43	82.5	444.0	863.0
40.00		0.4375	35.574	48.789	7609.9	12.93	81.31	82.5	421.3	841.1
43.50	Bot - Section 2	0.4375	34.924	47.887	7195.5	12.66	79.83	82.5	405.8	575.7
45.00		0.4375	34.645	47.500	7022.6	12.55	79.19	82.5	399.2	457.0
48.50	Top - Section 1	0.3750	34.745	40.908	6105.6	14.93	92.65	0.0	0.0	1052.1
50.00		0.3750	34.467	40.576	5958.4	14.80	91.91	82.5	340.5	208.0
55.00		0.3750	33.539	39.472	5484.8	14.36	89.44	82.5	322.1	681.0
60.00		0.3750	32.610	38.367	5037.0	13.92	86.96	82.5	304.2	662.2
65.00		0.3750	31.682	37.262	4614.2	13.49	84.49	82.5	286.9	643.4
70.00		0.3750	30.754	36.157	4215.8	13.05	82.01	82.5	270.0	624.6
75.00		0.3750	29.825	35.052	3841.0	12.61	79.53	82.5	253.7	605.8
80.00		0.3750	28.897	33.947	3489.1	12.18	77.06	82.5	237.8	587.0
85.00		0.3750	27.969	32.842	3159.4	11.74	74.58	82.5	222.5	568.2
88.00	Bot - Section 3	0.3750	27.412	32.179	2971.9	11.48	73.10	82.5	213.5	331.9
90.00		0.3750	27.040	31.737	2851.2	11.30	72.11	82.5	207.7	365.9
92.00	Top - Section 2	0.2500	27.169	21.360	1955.5	17.75	108.68	0.0	0.0	360.9
95.00		0.2500	26.612	20.918	1836.6	17.36	106.45	81.0	135.9	215.8
100.00		0.2500	25.684	20.181	1649.4	16.70	102.74	81.8	126.5	349.6
105.00		0.2500	24.756	19.444	1475.3	16.05	99.02	82.5	117.4	337.1
110.00		0.2500	23.827	18.708	1313.9	15.39	95.31	82.5	108.6	324.6
115.00		0.2500	22.899	17.971	1164.7	14.74	91.60	82.5	100.2	312.0
120.00		0.2500	21.971	17.235	1027.3	14.09	87.88	82.5	92.1	299.5
125.00		0.2500	21.042	16.498	901.1	13.43	84.17	82.5	84.3	287.0
128.00		0.2500	20.485	16.056	830.6	13.04	81.94	82.5	79.9	166.2
130.00		0.2500	20.114	15.761	785.7	12.78	80.46	82.5	76.9	108.3
135.00		0.2500	19.186	15.025	680.7	12.12	76.74	82.5	69.9	261.9
136.00		0.2500	19.000	14.878	660.8	11.99	76.00	82.5	68.5	50.9
										17778.7

Wind Loading - Shaft

Structure:	CT46137-A-SBA	**Code:**	EIA/TIA-222-G	7/29/2021	
Site Name:	Hamden-State St	**Exposure:**	C		
Height:	136.00 (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

Load Case: 1.2D + 1.6W 97 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

Iterations 25

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	0.85	19.450	21.40	325.40	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	19.450	21.40	318.37	0.650	0.000	5.00	17.997	11.70	400.4	0.0	1193.5
10.00		1.00	0.85	19.450	21.40	311.35	0.650	0.000	5.00	17.604	11.44	391.7	0.0	1167.2
15.00		1.00	0.85	19.450	21.40	304.32	0.650	0.000	5.00	17.211	11.19	383.0	0.0	1140.9
20.00		1.00	0.90	20.638	22.70	306.24	0.650	0.000	5.00	16.818	10.93	397.1	0.0	1114.5
25.00		1.00	0.95	21.630	23.79	306.11	0.650	0.000	5.00	16.426	10.68	406.5	0.0	1088.2
30.00		1.00	0.98	22.477	24.72	304.49	0.650	0.000	5.00	16.033	10.42	412.3	0.0	1061.9
35.00		1.00	1.01	23.218	25.54	301.80	0.650	0.000	5.00	15.640	10.17	415.4	0.0	1035.6
40.00		1.00	1.04	23.880	26.27	298.28	0.650	0.000	5.00	15.247	9.91	416.5	0.0	1009.3
43.50	Bot - Section 2	1.00	1.06	24.305	26.74	295.43	0.650	0.000	3.50	10.439	6.79	290.3	0.0	690.8
45.00		1.00	1.07	24.479	26.93	294.12	0.650	0.000	1.50	4.510	2.93	126.3	0.0	548.4
48.50	Top - Section 1	1.00	1.09	24.869	27.36	290.89	0.650	0.000	3.50	10.387	6.75	295.5	0.0	1262.6
50.00		1.00	1.09	25.029	27.53	295.87	0.650	0.000	1.50	4.393	2.86	125.8	0.0	249.5
55.00		1.00	1.12	25.536	28.09	290.81	0.650	0.000	5.00	14.386	9.35	420.3	0.0	817.2
60.00		1.00	1.14	26.008	28.61	285.36	0.650	0.000	5.00	13.994	9.10	416.4	0.0	794.6
65.00		1.00	1.16	26.450	29.09	279.58	0.650	0.000	5.00	13.601	8.84	411.5	0.0	772.0
70.00		1.00	1.17	26.866	29.55	273.52	0.650	0.000	5.00	13.208	8.59	405.9	0.0	749.5
75.00		1.00	1.19	27.259	29.98	267.19	0.650	0.000	5.00	12.815	8.33	399.6	0.0	726.9
80.00		1.00	1.21	27.632	30.39	260.64	0.650	0.000	5.00	12.423	8.07	392.7	0.0	704.4
85.00		1.00	1.22	27.987	30.79	253.88	0.650	0.000	5.00	12.030	7.82	385.2	0.0	681.8
88.00	Bot - Section 3	1.00	1.23	28.192	31.01	249.74	0.650	0.000	3.00	7.029	4.57	226.7	0.0	398.3
90.00		1.00	1.24	28.325	31.16	246.94	0.650	0.000	2.00	4.692	3.05	152.1	0.0	439.0
92.00	Top - Section 2	1.00	1.24	28.457	31.30	244.11	0.650	0.000	2.00	4.629	3.01	150.7	0.0	433.0
95.00		1.00	1.25	28.650	31.51	244.41	0.650	0.000	3.00	6.826	4.44	223.7	0.0	258.9
100.00		1.00	1.27	28.961	31.86	237.16	0.650	0.000	5.00	11.063	7.19	366.5	0.0	419.5
105.00		1.00	1.28	29.260	32.19	229.77	0.650	0.000	5.00	10.670	6.94	357.2	0.0	404.5
110.00		1.00	1.29	29.548	32.50	222.24	0.650	0.000	5.00	10.278	6.68	347.4	0.0	389.5
115.00		1.00	1.30	29.826	32.81	214.58	0.650	0.000	5.00	9.885	6.43	337.3	0.0	374.4
120.00		1.00	1.32	30.094	33.10	206.81	0.650	0.000	5.00	9.492	6.17	326.8	0.0	359.4
125.00		1.00	1.33	30.354	33.39	198.92	0.650	0.000	5.00	9.099	5.91	316.0	0.0	344.4
128.00	Appurtenance(s)	1.00	1.33	30.506	33.56	194.14	0.650	0.000	3.00	5.271	3.43	184.0	0.0	199.4
130.00		1.00	1.34	30.605	33.67	190.93	0.650	0.000	2.00	3.435	2.23	120.3	0.0	129.9
135.00		1.00	1.35	30.850	33.93	182.85	0.650	0.000	5.00	8.314	5.40	293.4	0.0	314.3
136.00	Appurtenance(s)	1.00	1.35	30.898	33.99	181.22	0.650	0.000	1.00	1.616	1.05	57.1	0.0	61.1
								Totals:	**136.00**			**10,351.4**		**21,334.4**

Discrete Appurtenance Forces

Structure:	CT46137-A-SBA	**Code:**	EIA/TIA-222-G	7/29/2021	
Site Name:	Hamden-State St	**Exposure:**	C		
Height:	136.00 (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 97 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

Iterations 25

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	136.00	Low Profile Platform	1	30.898	33.987	1.00	1.00	22.00	1800.00	0.000	0.000	1196.35	0.00	0.00
2	136.00	RVZDC-6627-PF-48	2	31.226	34.348	1.00	1.00	8.12	76.80	0.000	7.000	446.25	0.00	3123.77
3	136.00	B5/B13 RRH-BR04C	3	31.226	34.348	0.60	0.90	3.38	253.08	0.000	7.000	185.91	0.00	1301.38
4	136.00	B2/B66A RRH-BR049	3	31.226	34.348	0.60	0.90	3.38	303.84	0.000	7.000	185.91	0.00	1301.38
5	136.00	MX06FRO660-02	6	31.226	34.348	0.78	0.90	46.37	331.20	0.000	7.000	2548.33	0.00	17838.29
6	136.00	HBX-6517DS-VTM	3	31.226	34.348	0.68	0.90	10.71	67.32	0.000	7.000	588.72	0.00	4121.01
7	136.00	MT6407-77A	3	31.226	34.348	0.63	0.90	8.86	285.84	0.000	7.000	487.15	0.00	3410.03
8	136.00	HRR12-U Handrail	1	30.898	33.987	0.75	1.00	5.06	480.00	0.000	0.000	275.30	0.00	0.00
9	128.00	Air 6449 B41	3	30.506	33.556	0.53	0.75	9.03	370.80	0.000	0.000	484.60	0.00	0.00
10	128.00	SitePro RMQP-496-HK	1	30.506	33.556	1.00	1.00	48.00	2938.80	0.000	0.000	2577.12	0.00	0.00
11	128.00	Ericsson 4415 B66A	3	30.506	33.556	0.50	0.75	2.47	178.56	0.000	0.000	132.74	0.00	0.00
12	128.00	Ericsson 4424 B25	3	30.506	33.556	0.50	0.75	3.09	316.80	0.000	0.000	165.92	0.00	0.00
13	128.00	Ericsson 4449 B71 + B85	3	30.506	33.556	0.50	0.75	2.49	252.00	0.000	0.000	133.55	0.00	0.00
14	128.00	Ericsson KRY 112 144/2	3	30.506	33.556	0.52	0.75	0.65	39.60	0.000	0.000	34.67	0.00	0.00
15	128.00	APX16DWV-16DWVS-E-A	3	30.506	33.556	0.46	0.75	9.22	146.52	0.000	0.000	495.07	0.00	0.00
16	128.00	APXVAARR24_43-U-NA2	3	30.506	33.556	0.52	0.75	31.88	460.80	0.000	0.000	1711.53	0.00	0.00
							Totals:		**8,301.96**			**11,649.11**		

Total Applied Force Summary

Structure:	CT46137-A-SBA		**Code:**	EIA/TIA-222-G	7/29/2021
Site Name:	Hamden-State St		**Exposure:**	C	
Height:	136.00 (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

Load Case: 1.2D + 1.6W 97 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

Iterations 25

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		400.45	1274.66	0.00	0.00
10.00		391.71	1248.34	0.00	0.00
15.00		382.97	1222.02	0.00	0.00
20.00		397.07	1195.71	0.00	0.00
25.00		406.45	1169.39	0.00	0.00
30.00		412.26	1143.07	0.00	0.00
35.00		415.42	1116.75	0.00	0.00
40.00		416.54	1090.44	0.00	0.00
43.50		290.27	747.65	0.00	0.00
45.00		126.31	572.79	0.00	0.00
48.50		295.50	1319.39	0.00	0.00
50.00		125.77	273.90	0.00	0.00
55.00		420.27	898.32	0.00	0.00
60.00		416.35	875.77	0.00	0.00
65.00		411.54	853.21	0.00	0.00
70.00		405.94	830.65	0.00	0.00
75.00		399.63	808.09	0.00	0.00
80.00		392.69	785.53	0.00	0.00
85.00		385.15	762.98	0.00	0.00
88.00		226.71	446.96	0.00	0.00
90.00		152.05	471.51	0.00	0.00
92.00		150.71	465.49	0.00	0.00
95.00		223.74	307.65	0.00	0.00
100.00		366.53	500.72	0.00	0.00
105.00		357.17	485.68	0.00	0.00
110.00		347.41	470.64	0.00	0.00
115.00		337.27	455.60	0.00	0.00
120.00		326.79	440.56	0.00	0.00
125.00		315.97	425.52	0.00	0.00
128.00	(22) attachments	5919.15	4951.98	0.00	0.00
130.00		120.28	135.20	0.00	0.00
135.00		293.41	327.48	0.00	0.00
136.00	(22) attachments	5971.02	3661.77	0.00	31095.85
	Totals:	**22,000.48**	**31,735.40**	**0.00**	**31,095.85**

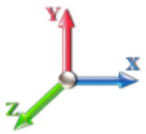
Calculated Forces

Structure:	CT46137-A-SBA	**Code:**	EIA/TIA-222-G	7/29/2021	
Site Name:	Hamden-State St	**Exposure:**	C		
Height:	136.00 (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	

Load Case: 1.2D + 1.6W 97 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 25

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	-31.69	-22.07	0.00	-2379.0	0.00	2379.08	4390.93	2195.46	7660.90	3836.15	0.00	0.000	0.000	0.627
5.00	-30.32	-21.80	0.00	-2268.7	0.00	2268.74	4295.16	2147.58	7328.71	3669.80	0.13	-0.244	0.000	0.625
10.00	-28.98	-21.52	0.00	-2159.7	0.00	2159.76	4199.39	2099.69	7003.88	3507.15	0.52	-0.493	0.000	0.623
15.00	-27.67	-21.25	0.00	-2052.1	0.00	2052.14	4103.62	2051.81	6686.41	3348.18	1.17	-0.746	0.000	0.620
20.00	-26.38	-20.96	0.00	-1945.8	0.00	1945.89	4007.85	2003.93	6376.31	3192.89	2.09	-1.004	0.000	0.616
25.00	-25.13	-20.64	0.00	-1841.1	0.00	1841.11	3912.08	1956.04	6073.57	3041.30	3.28	-1.266	0.000	0.612
30.00	-23.90	-20.31	0.00	-1737.9	0.00	1737.90	3816.32	1908.16	5778.19	2893.39	4.75	-1.532	0.000	0.607
35.00	-22.70	-19.97	0.00	-1636.3	0.00	1636.33	3720.55	1860.27	5490.18	2749.17	6.50	-1.802	0.000	0.601
40.00	-21.55	-19.61	0.00	-1536.4	0.00	1536.46	3624.78	1812.39	5209.53	2608.64	8.53	-2.076	0.000	0.595
43.50	-20.76	-19.34	0.00	-1467.8	0.00	1467.82	3557.74	1778.87	5017.45	2512.46	10.13	-2.273	0.000	0.590
45.00	-20.15	-19.24	0.00	-1438.8	0.00	1438.81	3529.01	1764.51	4936.24	2471.79	10.85	-2.359	0.000	0.588
48.50	-18.79	-18.94	0.00	-1371.4	0.00	1371.46	3039.25	1519.63	4279.34	2142.85	12.66	-2.558	0.000	0.646
50.00	-18.46	-18.87	0.00	-1343.0	0.00	1343.05	3014.63	1507.31	4209.90	2108.08	13.47	-2.646	0.000	0.643
55.00	-17.48	-18.50	0.00	-1248.7	0.00	1248.73	2932.54	1466.27	3982.54	1994.23	16.41	-2.955	0.000	0.632
60.00	-16.53	-18.12	0.00	-1156.2	0.00	1156.25	2850.45	1425.23	3761.50	1883.54	19.67	-3.267	0.000	0.620
65.00	-15.61	-17.75	0.00	-1065.6	0.00	1065.63	2768.37	1384.18	3546.76	1776.02	23.26	-3.581	0.000	0.606
70.00	-14.71	-17.37	0.00	-976.89	0.00	976.89	2686.28	1343.14	3338.33	1671.65	27.17	-3.895	0.000	0.590
75.00	-13.84	-16.99	0.00	-890.05	0.00	890.05	2604.19	1302.10	3136.22	1570.44	31.42	-4.210	0.000	0.572
80.00	-13.00	-16.61	0.00	-805.10	0.00	805.10	2522.10	1261.05	2940.42	1472.40	35.99	-4.524	0.000	0.552
85.00	-12.20	-16.22	0.00	-722.05	0.00	722.05	2440.02	1220.01	2750.93	1377.51	40.89	-4.836	0.000	0.529
88.00	-11.73	-15.98	0.00	-673.40	0.00	673.40	2390.76	1195.38	2640.27	1322.09	43.99	-5.024	0.000	0.514
90.00	-11.24	-15.82	0.00	-641.43	0.00	641.43	2357.93	1178.96	2567.75	1285.78	46.12	-5.150	0.000	0.504
92.00	-10.75	-15.65	0.00	-609.80	0.00	609.80	1547.90	773.95	1709.73	856.14	48.30	-5.275	0.000	0.720
95.00	-10.38	-15.46	0.00	-562.84	0.00	562.84	1524.57	762.29	1648.80	825.63	51.67	-5.458	0.000	0.689
100.00	-9.81	-15.11	0.00	-485.56	0.00	485.56	1484.88	742.44	1548.79	775.55	57.59	-5.864	0.000	0.633
105.00	-9.27	-14.76	0.00	-410.02	0.00	410.02	1444.16	722.08	1450.80	726.48	63.93	-6.250	0.000	0.571
110.00	-8.76	-14.42	0.00	-336.20	0.00	336.20	1389.90	694.95	1342.87	672.43	70.66	-6.610	0.000	0.507
115.00	-8.27	-14.07	0.00	-264.10	0.00	264.10	1335.17	667.59	1238.67	620.26	77.75	-6.935	0.000	0.432
120.00	-7.81	-13.73	0.00	-193.74	0.00	193.74	1280.45	640.22	1138.68	570.19	85.15	-7.214	0.000	0.346
125.00	-7.39	-13.38	0.00	-125.09	0.00	125.09	1225.72	612.86	1042.90	522.23	92.81	-7.435	0.000	0.246
128.00	-3.25	-6.87	0.00	-84.94	0.00	84.94	1192.89	596.44	987.45	494.46	97.50	-7.535	0.000	0.175
130.00	-3.12	-6.74	0.00	-71.20	0.00	71.20	1171.00	585.50	951.33	476.37	100.66	-7.588	0.000	0.152
135.00	-2.83	-6.41	0.00	-37.50	0.00	37.50	1116.28	558.14	863.96	432.62	108.64	-7.687	0.000	0.089
136.00	0.00	-5.97	0.00	-31.10	0.00	31.10	1105.33	552.67	846.99	424.13	110.25	-7.701	0.000	0.073

Wind Loading - Shaft

Structure:	CT46137-A-SBA	**Code:**	EIA/TIA-222-G	7/29/2021	
Site Name:	Hamden-State St	**Exposure:**	C		
Height:	136.00 (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: 0.9D + 1.6W 97 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

Iterations 25

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	0.85	19.450	21.40	325.40	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	19.450	21.40	318.37	0.650	0.000	5.00	17.997	11.70	400.4	0.0	895.1
10.00		1.00	0.85	19.450	21.40	311.35	0.650	0.000	5.00	17.604	11.44	391.7	0.0	875.4
15.00		1.00	0.85	19.450	21.40	304.32	0.650	0.000	5.00	17.211	11.19	383.0	0.0	855.6
20.00		1.00	0.90	20.638	22.70	306.24	0.650	0.000	5.00	16.818	10.93	397.1	0.0	835.9
25.00		1.00	0.95	21.630	23.79	306.11	0.650	0.000	5.00	16.426	10.68	406.5	0.0	816.2
30.00		1.00	0.98	22.477	24.72	304.49	0.650	0.000	5.00	16.033	10.42	412.3	0.0	796.4
35.00		1.00	1.01	23.218	25.54	301.80	0.650	0.000	5.00	15.640	10.17	415.4	0.0	776.7
40.00		1.00	1.04	23.880	26.27	298.28	0.650	0.000	5.00	15.247	9.91	416.5	0.0	757.0
43.50	Bot - Section 2	1.00	1.06	24.305	26.74	295.43	0.650	0.000	3.50	10.439	6.79	290.3	0.0	518.1
45.00		1.00	1.07	24.479	26.93	294.12	0.650	0.000	1.50	4.510	2.93	126.3	0.0	411.3
48.50	Top - Section 1	1.00	1.09	24.869	27.36	290.89	0.650	0.000	3.50	10.387	6.75	295.5	0.0	946.9
50.00		1.00	1.09	25.029	27.53	295.87	0.650	0.000	1.50	4.393	2.86	125.8	0.0	187.2
55.00		1.00	1.12	25.536	28.09	290.81	0.650	0.000	5.00	14.386	9.35	420.3	0.0	612.9
60.00		1.00	1.14	26.008	28.61	285.36	0.650	0.000	5.00	13.994	9.10	416.4	0.0	595.9
65.00		1.00	1.16	26.450	29.09	279.58	0.650	0.000	5.00	13.601	8.84	411.5	0.0	579.0
70.00		1.00	1.17	26.866	29.55	273.52	0.650	0.000	5.00	13.208	8.59	405.9	0.0	562.1
75.00		1.00	1.19	27.259	29.98	267.19	0.650	0.000	5.00	12.815	8.33	399.6	0.0	545.2
80.00		1.00	1.21	27.632	30.39	260.64	0.650	0.000	5.00	12.423	8.07	392.7	0.0	528.3
85.00		1.00	1.22	27.987	30.79	253.88	0.650	0.000	5.00	12.030	7.82	385.2	0.0	511.4
88.00	Bot - Section 3	1.00	1.23	28.192	31.01	249.74	0.650	0.000	3.00	7.029	4.57	226.7	0.0	298.7
90.00		1.00	1.24	28.325	31.16	246.94	0.650	0.000	2.00	4.692	3.05	152.1	0.0	329.3
92.00	Top - Section 2	1.00	1.24	28.457	31.30	244.11	0.650	0.000	2.00	4.629	3.01	150.7	0.0	324.8
95.00		1.00	1.25	28.650	31.51	244.41	0.650	0.000	3.00	6.826	4.44	223.7	0.0	194.2
100.00		1.00	1.27	28.961	31.86	237.16	0.650	0.000	5.00	11.063	7.19	366.5	0.0	314.7
105.00		1.00	1.28	29.260	32.19	229.77	0.650	0.000	5.00	10.670	6.94	357.2	0.0	303.4
110.00		1.00	1.29	29.548	32.50	222.24	0.650	0.000	5.00	10.278	6.68	347.4	0.0	292.1
115.00		1.00	1.30	29.826	32.81	214.58	0.650	0.000	5.00	9.885	6.43	337.3	0.0	280.8
120.00		1.00	1.32	30.094	33.10	206.81	0.650	0.000	5.00	9.492	6.17	326.8	0.0	269.5
125.00		1.00	1.33	30.354	33.39	198.92	0.650	0.000	5.00	9.099	5.91	316.0	0.0	258.3
128.00	Appurtenance(s)	1.00	1.33	30.506	33.56	194.14	0.650	0.000	3.00	5.271	3.43	184.0	0.0	149.5
130.00		1.00	1.34	30.605	33.67	190.93	0.650	0.000	2.00	3.435	2.23	120.3	0.0	97.4
135.00		1.00	1.35	30.850	33.93	182.85	0.650	0.000	5.00	8.314	5.40	293.4	0.0	235.7
136.00	Appurtenance(s)	1.00	1.35	30.898	33.99	181.22	0.650	0.000	1.00	1.616	1.05	57.1	0.0	45.8
								Totals:	**136.00**			**10,351.4**		**16,000.8**

Discrete Appurtenance Forces

Structure:	CT46137-A-SBA	**Code:**	EIA/TIA-222-G	7/29/2021	
Site Name:	Hamden-State St	**Exposure:**	C		
Height:	136.00 (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	

Tower Engineering Solutions

Load Case: 0.9D + 1.6W 97 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

Iterations 25

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	136.00	Low Profile Platform	1	30.898	33.987	1.00	1.00	22.00	1350.00	0.000	0.000	1196.35	0.00	0.00
2	136.00	RVZDC-6627-PF-48	2	31.226	34.348	1.00	1.00	8.12	57.60	0.000	7.000	446.25	0.00	3123.77
3	136.00	B5/B13 RRH-BR04C	3	31.226	34.348	0.60	0.90	3.38	189.81	0.000	7.000	185.91	0.00	1301.38
4	136.00	B2/B66A RRH-BR049	3	31.226	34.348	0.60	0.90	3.38	227.88	0.000	7.000	185.91	0.00	1301.38
5	136.00	MX06FRO660-02	6	31.226	34.348	0.78	0.90	46.37	248.40	0.000	7.000	2548.33	0.00	17838.29
6	136.00	HBX-6517DS-VTM	3	31.226	34.348	0.68	0.90	10.71	50.49	0.000	7.000	588.72	0.00	4121.01
7	136.00	MT6407-77A	3	31.226	34.348	0.63	0.90	8.86	214.38	0.000	7.000	487.15	0.00	3410.03
8	136.00	HRR12-U Handrail	1	30.898	33.987	0.75	1.00	5.06	360.00	0.000	0.000	275.30	0.00	0.00
9	128.00	Air 6449 B41	3	30.506	33.556	0.53	0.75	9.03	278.10	0.000	0.000	484.60	0.00	0.00
10	128.00	SitePro RMQP-496-HK	1	30.506	33.556	1.00	1.00	48.00	2204.10	0.000	0.000	2577.12	0.00	0.00
11	128.00	Ericsson 4415 B66A	3	30.506	33.556	0.50	0.75	2.47	133.92	0.000	0.000	132.74	0.00	0.00
12	128.00	Ericsson 4424 B25	3	30.506	33.556	0.50	0.75	3.09	237.60	0.000	0.000	165.92	0.00	0.00
13	128.00	Ericsson 4449 B71 + B85	3	30.506	33.556	0.50	0.75	2.49	189.00	0.000	0.000	133.55	0.00	0.00
14	128.00	Ericsson KRY 112 144/2	3	30.506	33.556	0.52	0.75	0.65	29.70	0.000	0.000	34.67	0.00	0.00
15	128.00	APX16DWV-16DWVS-E-A	3	30.506	33.556	0.46	0.75	9.22	109.89	0.000	0.000	495.07	0.00	0.00
16	128.00	APXVAARR24_43-U-NA2	3	30.506	33.556	0.52	0.75	31.88	345.60	0.000	0.000	1711.53	0.00	0.00
							Totals:		**6,226.47**			**11,649.11**		

Total Applied Force Summary

Structure:	CT46137-A-SBA		**Code:**	EIA/TIA-222-G	7/29/2021
Site Name:	Hamden-State St		**Exposure:**	C	
Height:	136.00 (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 97 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

Iterations 25

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		400.45	955.99	0.00	0.00
10.00		391.71	936.26	0.00	0.00
15.00		382.97	916.52	0.00	0.00
20.00		397.07	896.78	0.00	0.00
25.00		406.45	877.04	0.00	0.00
30.00		412.26	857.30	0.00	0.00
35.00		415.42	837.57	0.00	0.00
40.00		416.54	817.83	0.00	0.00
43.50		290.27	560.73	0.00	0.00
45.00		126.31	429.59	0.00	0.00
48.50		295.50	989.54	0.00	0.00
50.00		125.77	205.42	0.00	0.00
55.00		420.27	673.74	0.00	0.00
60.00		416.35	656.82	0.00	0.00
65.00		411.54	639.91	0.00	0.00
70.00		405.94	622.99	0.00	0.00
75.00		399.63	606.07	0.00	0.00
80.00		392.69	589.15	0.00	0.00
85.00		385.15	572.23	0.00	0.00
88.00		226.71	335.22	0.00	0.00
90.00		152.05	353.63	0.00	0.00
92.00		150.71	349.12	0.00	0.00
95.00		223.74	230.74	0.00	0.00
100.00		366.53	375.54	0.00	0.00
105.00		357.17	364.26	0.00	0.00
110.00		347.41	352.98	0.00	0.00
115.00		337.27	341.70	0.00	0.00
120.00		326.79	330.42	0.00	0.00
125.00		315.97	319.14	0.00	0.00
128.00	(22) attachments	5919.15	3713.98	0.00	0.00
130.00		120.28	101.40	0.00	0.00
135.00		293.41	245.61	0.00	0.00
136.00	(22) attachments	5971.02	2746.33	0.00	31095.85
	Totals:	**22,000.48**	**23,801.55**	**0.00**	**31,095.85**

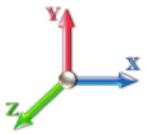
Calculated Forces

Structure:	CT46137-A-SBA	**Code:**	EIA/TIA-222-G	7/29/2021	
Site Name:	Hamden-State St	**Exposure:**	C		
Height:	136.00 (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	

Load Case: 0.9D + 1.6W 97 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 25

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	-23.75	-22.05	0.00	-2347.6	0.00	2347.66	4390.93	2195.46	7660.90	3836.15	0.00	0.000	0.000	0.617
5.00	-22.71	-21.75	0.00	-2237.4	0.00	2237.41	4295.16	2147.58	7328.71	3669.80	0.13	-0.241	0.000	0.615
10.00	-21.68	-21.44	0.00	-2128.6	0.00	2128.68	4199.39	2099.69	7003.88	3507.15	0.51	-0.486	0.000	0.612
15.00	-20.68	-21.14	0.00	-2021.4	0.00	2021.47	4103.62	2051.81	6686.41	3348.18	1.15	-0.736	0.000	0.609
20.00	-19.69	-20.82	0.00	-1915.7	0.00	1915.78	4007.85	2003.93	6376.31	3192.89	2.06	-0.989	0.000	0.605
25.00	-18.73	-20.48	0.00	-1811.6	0.00	1811.69	3912.08	1956.04	6073.57	3041.30	3.23	-1.247	0.000	0.601
30.00	-17.79	-20.13	0.00	-1709.3	0.00	1709.30	3816.32	1908.16	5778.19	2893.39	4.68	-1.509	0.000	0.596
35.00	-16.87	-19.77	0.00	-1608.6	0.00	1608.66	3720.55	1860.27	5490.18	2749.17	6.40	-1.775	0.000	0.590
40.00	-15.99	-19.39	0.00	-1509.8	0.00	1509.82	3624.78	1812.39	5209.53	2608.64	8.41	-2.044	0.000	0.583
43.50	-15.40	-19.12	0.00	-1441.9	0.00	1441.96	3557.74	1778.87	5017.45	2512.46	9.98	-2.237	0.000	0.578
45.00	-14.93	-19.01	0.00	-1413.2	0.00	1413.29	3529.01	1764.51	4936.24	2471.79	10.69	-2.322	0.000	0.576
48.50	-13.90	-18.71	0.00	-1346.7	0.00	1346.76	3039.25	1519.63	4279.34	2142.85	12.47	-2.518	0.000	0.633
50.00	-13.64	-18.62	0.00	-1318.7	0.00	1318.70	3014.63	1507.31	4209.90	2108.08	13.27	-2.603	0.000	0.630
55.00	-12.89	-18.23	0.00	-1225.6	0.00	1225.62	2932.54	1466.27	3982.54	1994.23	16.16	-2.907	0.000	0.619
60.00	-12.16	-17.85	0.00	-1134.4	0.00	1134.44	2850.45	1425.23	3761.50	1883.54	19.37	-3.213	0.000	0.607
65.00	-11.45	-17.46	0.00	-1045.2	0.00	1045.20	2768.37	1384.18	3546.76	1776.02	22.90	-3.521	0.000	0.593
70.00	-10.77	-17.08	0.00	-957.89	0.00	957.89	2686.28	1343.14	3338.33	1671.65	26.75	-3.830	0.000	0.577
75.00	-10.10	-16.69	0.00	-872.51	0.00	872.51	2604.19	1302.10	3136.22	1570.44	30.92	-4.139	0.000	0.560
80.00	-9.45	-16.30	0.00	-789.07	0.00	789.07	2522.10	1261.05	2940.42	1472.40	35.41	-4.446	0.000	0.540
85.00	-8.85	-15.91	0.00	-707.55	0.00	707.55	2440.02	1220.01	2750.93	1377.51	40.23	-4.751	0.000	0.517
88.00	-8.49	-15.68	0.00	-659.81	0.00	659.81	2390.76	1195.38	2640.27	1322.09	43.27	-4.936	0.000	0.503
90.00	-8.12	-15.52	0.00	-628.45	0.00	628.45	2357.93	1178.96	2567.75	1285.78	45.36	-5.059	0.000	0.492
92.00	-7.74	-15.36	0.00	-597.42	0.00	597.42	1547.90	773.95	1709.73	856.14	47.51	-5.182	0.000	0.703
95.00	-7.46	-15.15	0.00	-551.35	0.00	551.35	1524.57	762.29	1648.80	825.63	50.82	-5.361	0.000	0.673
100.00	-7.02	-14.80	0.00	-475.60	0.00	475.60	1484.88	742.44	1548.79	775.55	56.64	-5.759	0.000	0.618
105.00	-6.60	-14.45	0.00	-401.62	0.00	401.62	1444.16	722.08	1450.80	726.48	62.86	-6.137	0.000	0.558
110.00	-6.21	-14.10	0.00	-329.39	0.00	329.39	1389.90	694.95	1342.87	672.43	69.47	-6.489	0.000	0.495
115.00	-5.83	-13.75	0.00	-258.90	0.00	258.90	1335.17	667.59	1238.67	620.26	76.43	-6.808	0.000	0.422
120.00	-5.49	-13.41	0.00	-190.13	0.00	190.13	1280.45	640.22	1138.68	570.19	83.69	-7.082	0.000	0.338
125.00	-5.18	-13.07	0.00	-123.07	0.00	123.07	1225.72	612.86	1042.90	522.23	91.21	-7.299	0.000	0.240
128.00	-2.24	-6.73	0.00	-83.85	0.00	83.85	1192.89	596.44	987.45	494.46	95.82	-7.397	0.000	0.172
130.00	-2.15	-6.60	0.00	-70.38	0.00	70.38	1171.00	585.50	951.33	476.37	98.92	-7.450	0.000	0.150
135.00	-1.94	-6.28	0.00	-37.38	0.00	37.38	1116.28	558.14	863.96	432.62	106.76	-7.547	0.000	0.088
136.00	0.00	-5.97	0.00	-31.10	0.00	31.10	1105.33	552.67	846.99	424.13	108.34	-7.562	0.000	0.073

Wind Loading - Shaft

Structure:	CT46137-A-SBA	**Code:**	EIA/TIA-222-G	7/29/2021	
Site Name:	Hamden-State St	**Exposure:**	C		
Height:	136.00 (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: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 24

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	0.85	5.168	5.68	0.00	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	5.168	5.68	0.00	1.200	1.242	5.00	19.032	22.84	129.8	337.0	1530.5
10.00		1.00	0.85	5.168	5.68	0.00	1.200	1.331	5.00	18.713	22.46	127.7	354.2	1521.3
15.00		1.00	0.85	5.168	5.68	0.00	1.200	1.386	5.00	18.366	22.04	125.3	361.2	1502.1
20.00		1.00	0.90	5.483	6.03	0.00	1.200	1.427	5.00	18.007	21.61	130.3	363.8	1478.4
25.00		1.00	0.95	5.747	6.32	0.00	1.200	1.459	5.00	17.641	21.17	133.8	363.8	1452.1
30.00		1.00	0.98	5.972	6.57	0.00	1.200	1.486	5.00	17.271	20.73	136.2	362.1	1424.0
35.00		1.00	1.01	6.169	6.79	0.00	1.200	1.509	5.00	16.897	20.28	137.6	359.2	1394.8
40.00		1.00	1.04	6.345	6.98	0.00	1.200	1.529	5.00	16.522	19.83	138.4	355.3	1364.6
43.50	Bot - Section 2	1.00	1.06	6.458	7.10	0.00	1.200	1.542	3.50	11.339	13.61	96.7	246.5	937.3
45.00		1.00	1.07	6.504	7.15	0.00	1.200	1.547	1.50	4.897	5.88	42.0	107.4	655.8
48.50	Top - Section 1	1.00	1.09	6.608	7.27	0.00	1.200	1.559	3.50	11.296	13.56	98.5	248.1	1510.7
50.00		1.00	1.09	6.650	7.32	0.00	1.200	1.564	1.50	4.783	5.74	42.0	105.8	355.4
55.00		1.00	1.12	6.785	7.46	0.00	1.200	1.579	5.00	15.702	18.84	140.6	347.2	1164.3
60.00		1.00	1.14	6.910	7.60	0.00	1.200	1.592	5.00	15.321	18.38	139.8	341.1	1135.7
65.00		1.00	1.16	7.028	7.73	0.00	1.200	1.605	5.00	14.939	17.93	138.6	334.6	1106.6
70.00		1.00	1.17	7.138	7.85	0.00	1.200	1.617	5.00	14.556	17.47	137.2	327.8	1077.3
75.00		1.00	1.19	7.243	7.97	0.00	1.200	1.628	5.00	14.172	17.01	135.5	320.7	1047.6
80.00		1.00	1.21	7.342	8.08	0.00	1.200	1.639	5.00	13.788	16.55	133.6	313.4	1017.7
85.00		1.00	1.22	7.436	8.18	0.00	1.200	1.649	5.00	13.404	16.08	131.6	305.8	987.6
88.00	Bot - Section 3	1.00	1.23	7.491	8.24	0.00	1.200	1.655	3.00	7.857	9.43	77.7	180.7	578.9
90.00		1.00	1.24	7.526	8.28	0.00	1.200	1.658	2.00	5.245	6.29	52.1	121.3	560.3
92.00	Top - Section 2	1.00	1.24	7.561	8.32	0.00	1.200	1.662	2.00	5.183	6.22	51.7	120.0	553.0
95.00		1.00	1.25	7.612	8.37	0.00	1.200	1.667	3.00	7.660	9.19	77.0	177.1	436.1
100.00		1.00	1.27	7.695	8.46	0.00	1.200	1.676	5.00	12.460	14.95	126.6	287.1	706.6
105.00		1.00	1.28	7.774	8.55	0.00	1.200	1.684	5.00	12.074	14.49	123.9	278.8	683.3
110.00		1.00	1.29	7.851	8.64	0.00	1.200	1.692	5.00	11.687	14.02	121.1	270.3	659.8
115.00		1.00	1.30	7.925	8.72	0.00	1.200	1.699	5.00	11.301	13.56	118.2	261.7	636.1
120.00		1.00	1.32	7.996	8.80	0.00	1.200	1.707	5.00	10.914	13.10	115.2	253.0	612.4
125.00		1.00	1.33	8.065	8.87	0.00	1.200	1.714	5.00	10.527	12.63	112.1	244.1	588.5
128.00	Appurtenance(s)	1.00	1.33	8.105	8.92	0.00	1.200	1.718	3.00	6.130	7.36	65.6	143.2	342.6
130.00		1.00	1.34	8.132	8.95	0.00	1.200	1.720	2.00	4.009	4.81	43.0	94.0	224.0
135.00		1.00	1.35	8.197	9.02	0.00	1.200	1.727	5.00	9.753	11.70	105.5	226.0	540.3
136.00	Appurtenance(s)	1.00	1.35	8.210	9.03	0.00	1.200	1.728	1.00	1.904	2.28	20.6	44.8	105.9
								Totals:	**136.00**			**3,505.4**		**29,891.5**

Discrete Appurtenance Forces

Structure:	CT46137-A-SBA	**Code:**	EIA/TIA-222-G	7/29/2021	
Site Name:	Hamden-State St	**Exposure:**	C		
Height:	136.00 (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 24

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	136.00	Low Profile Platform	1	8.210	9.031	1.00	1.00	39.49	2796.15	0.000	0.000	356.61	0.00	0.00
2	136.00	RVZDC-6627-PF-48	2	8.297	9.126	1.00	1.00	9.75	252.03	0.000	7.000	88.96	0.00	622.74
3	136.00	B5/B13 RRH-BR04C	3	8.297	9.126	0.60	0.90	4.41	458.61	0.000	7.000	40.24	0.00	281.65
4	136.00	B2/B66A RRH-BR049	3	8.297	9.126	0.60	0.90	4.41	530.73	0.000	7.000	40.24	0.00	281.65
5	136.00	MX06FRO660-02	6	8.297	9.126	0.78	0.90	52.77	1926.92	0.000	7.000	481.57	0.00	3371.00
6	136.00	HBX-6517DS-VTM	3	8.297	9.126	0.68	0.90	13.29	426.32	0.000	7.000	121.31	0.00	849.15
7	136.00	MT6407-77A	3	8.297	9.126	0.63	0.90	10.64	640.24	0.000	7.000	97.07	0.00	679.49
8	136.00	HRR12-U Handrail	1	8.210	9.031	0.75	1.00	9.96	480.70	0.000	0.000	89.96	0.00	0.00
9	128.00	Air 6449 B41	3	8.105	8.916	0.53	0.75	10.52	680.58	0.000	0.000	93.80	0.00	0.00
10	128.00	SitePro RMQP-496-HK	1	8.105	8.916	1.00	1.00	80.98	4672.87	0.000	0.000	722.02	0.00	0.00
11	128.00	Ericsson 4415 B66A	3	8.105	8.916	0.50	0.75	3.28	346.51	0.000	0.000	29.28	0.00	0.00
12	128.00	Ericsson 4424 B25	3	8.105	8.916	0.50	0.75	3.97	570.99	0.000	0.000	35.42	0.00	0.00
13	128.00	Ericsson 4449 B71 + B85	3	8.105	8.916	0.50	0.75	3.28	452.70	0.000	0.000	29.28	0.00	0.00
14	128.00	Ericsson KRY 112 144/2	3	8.105	8.916	0.52	0.75	1.38	62.13	0.000	0.000	12.32	0.00	0.00
15	128.00	APX16DWV-16DWVS-E-A	3	8.105	8.916	0.46	0.75	12.21	391.67	0.000	0.000	108.88	0.00	0.00
16	128.00	APXVAARR24_43-U-NA2	3	8.105	8.916	0.52	0.75	34.82	1692.40	0.000	0.000	310.47	0.00	0.00
							Totals:		**16,381.56**			**2,657.43**		

Total Applied Force Summary

Structure:	CT46137-A-SBA		**Code:**	EIA/TIA-222-G	7/29/2021
Site Name:	Hamden-State St		**Exposure:**	C	
Height:	136.00 (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 24

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		129.83	1611.64	0.00	0.00
10.00		127.66	1602.50	0.00	0.00
15.00		125.29	1583.24	0.00	0.00
20.00		130.34	1559.53	0.00	0.00
25.00		133.83	1533.22	0.00	0.00
30.00		136.15	1505.20	0.00	0.00
35.00		137.60	1475.94	0.00	0.00
40.00		138.37	1445.75	0.00	0.00
43.50		96.66	994.15	0.00	0.00
45.00		42.05	680.18	0.00	0.00
48.50		98.52	1567.49	0.00	0.00
50.00		41.99	379.74	0.00	0.00
55.00		140.63	1245.49	0.00	0.00
60.00		139.75	1216.84	0.00	0.00
65.00		138.58	1187.81	0.00	0.00
70.00		137.15	1158.45	0.00	0.00
75.00		135.49	1128.80	0.00	0.00
80.00		133.63	1098.89	0.00	0.00
85.00		131.57	1068.75	0.00	0.00
88.00		77.68	627.63	0.00	0.00
90.00		52.11	592.77	0.00	0.00
92.00		51.73	585.49	0.00	0.00
95.00		76.97	484.77	0.00	0.00
100.00		126.56	787.78	0.00	0.00
105.00		123.90	764.44	0.00	0.00
110.00		121.12	740.94	0.00	0.00
115.00		118.22	717.30	0.00	0.00
120.00		115.20	693.52	0.00	0.00
125.00		112.07	669.62	0.00	0.00
128.00	(22) attachments	1407.06	9261.18	0.00	0.00
130.00		43.03	229.25	0.00	0.00
135.00		105.52	553.51	0.00	0.00
136.00	(22) attachments	1336.58	7620.24	0.00	6085.69
	Totals:	**6,162.86**	**48,372.07**	**0.00**	**6,085.69**

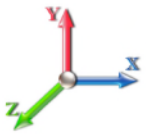
Calculated Forces

Structure:	CT46137-A-SBA	**Code:**	EIA/TIA-222-G	7/29/2021	
Site Name:	Hamden-State St	**Exposure:**	C		
Height:	136.00 (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	

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 24

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	-48.37	-6.19	0.00	-653.38	0.00	653.38	4390.93	2195.46	7660.90	3836.15	0.00	0.000	0.000	0.181
5.00	-46.75	-6.12	0.00	-622.43	0.00	622.43	4295.16	2147.58	7328.71	3669.80	0.04	-0.067	0.000	0.181
10.00	-45.14	-6.04	0.00	-591.85	0.00	591.85	4199.39	2099.69	7003.88	3507.15	0.14	-0.135	0.000	0.180
15.00	-43.55	-5.96	0.00	-561.66	0.00	561.66	4103.62	2051.81	6686.41	3348.18	0.32	-0.205	0.000	0.178
20.00	-41.98	-5.88	0.00	-531.84	0.00	531.84	4007.85	2003.93	6376.31	3192.89	0.57	-0.275	0.000	0.177
25.00	-40.44	-5.79	0.00	-502.46	0.00	502.46	3912.08	1956.04	6073.57	3041.30	0.90	-0.347	0.000	0.176
30.00	-38.93	-5.69	0.00	-473.53	0.00	473.53	3816.32	1908.16	5778.19	2893.39	1.30	-0.419	0.000	0.174
35.00	-37.45	-5.59	0.00	-445.08	0.00	445.08	3720.55	1860.27	5490.18	2749.17	1.78	-0.493	0.000	0.172
40.00	-36.00	-5.48	0.00	-417.13	0.00	417.13	3624.78	1812.39	5209.53	2608.64	2.34	-0.567	0.000	0.170
43.50	-35.00	-5.39	0.00	-397.96	0.00	397.96	3557.74	1778.87	5017.45	2512.46	2.77	-0.621	0.000	0.168
45.00	-34.32	-5.37	0.00	-389.87	0.00	389.87	3529.01	1764.51	4936.24	2471.79	2.97	-0.644	0.000	0.167
48.50	-32.75	-5.27	0.00	-371.09	0.00	371.09	3039.25	1519.63	4279.34	2142.85	3.46	-0.698	0.000	0.184
50.00	-32.37	-5.26	0.00	-363.18	0.00	363.18	3014.63	1507.31	4209.90	2108.08	3.69	-0.722	0.000	0.183
55.00	-31.12	-5.14	0.00	-336.90	0.00	336.90	2932.54	1466.27	3982.54	1994.23	4.49	-0.805	0.000	0.180
60.00	-29.89	-5.03	0.00	-311.18	0.00	311.18	2850.45	1425.23	3761.50	1883.54	5.37	-0.889	0.000	0.176
65.00	-28.70	-4.92	0.00	-286.02	0.00	286.02	2768.37	1384.18	3546.76	1776.02	6.35	-0.973	0.000	0.171
70.00	-27.54	-4.80	0.00	-261.45	0.00	261.45	2686.28	1343.14	3338.33	1671.65	7.41	-1.058	0.000	0.167
75.00	-26.40	-4.68	0.00	-237.46	0.00	237.46	2604.19	1302.10	3136.22	1570.44	8.57	-1.142	0.000	0.161
80.00	-25.30	-4.56	0.00	-214.06	0.00	214.06	2522.10	1261.05	2940.42	1472.40	9.81	-1.226	0.000	0.155
85.00	-24.23	-4.43	0.00	-191.26	0.00	191.26	2440.02	1220.01	2750.93	1377.51	11.14	-1.308	0.000	0.149
88.00	-23.60	-4.36	0.00	-177.96	0.00	177.96	2390.76	1195.38	2640.27	1322.09	11.97	-1.358	0.000	0.144
90.00	-23.01	-4.30	0.00	-169.25	0.00	169.25	2357.93	1178.96	2567.75	1285.78	12.55	-1.391	0.000	0.141
92.00	-22.42	-4.25	0.00	-160.64	0.00	160.64	1547.90	773.95	1709.73	856.14	13.14	-1.424	0.000	0.202
95.00	-21.93	-4.20	0.00	-147.88	0.00	147.88	1524.57	762.29	1648.80	825.63	14.05	-1.472	0.000	0.194
100.00	-21.14	-4.09	0.00	-126.90	0.00	126.90	1484.88	742.44	1548.79	775.55	15.65	-1.579	0.000	0.178
105.00	-20.37	-3.97	0.00	-106.47	0.00	106.47	1444.16	722.08	1450.80	726.48	17.36	-1.679	0.000	0.161
110.00	-19.63	-3.86	0.00	-86.60	0.00	86.60	1389.90	694.95	1342.87	672.43	19.17	-1.773	0.000	0.143
115.00	-18.91	-3.75	0.00	-67.29	0.00	67.29	1335.17	667.59	1238.67	620.26	21.07	-1.856	0.000	0.123
120.00	-18.22	-3.63	0.00	-48.56	0.00	48.56	1280.45	640.22	1138.68	570.19	23.05	-1.927	0.000	0.099
125.00	-17.55	-3.51	0.00	-30.42	0.00	30.42	1225.72	612.86	1042.90	522.23	25.10	-1.981	0.000	0.073
128.00	-8.35	-1.78	0.00	-19.90	0.00	19.90	1192.89	596.44	987.45	494.46	26.36	-2.005	0.000	0.047
130.00	-8.12	-1.73	0.00	-16.35	0.00	16.35	1171.00	585.50	951.33	476.37	27.20	-2.018	0.000	0.041
135.00	-7.57	-1.61	0.00	-7.69	0.00	7.69	1116.28	558.14	863.96	432.62	29.32	-2.039	0.000	0.025
136.00	0.00	-1.34	0.00	-6.09	0.00	6.09	1105.33	552.67	846.99	424.13	29.75	-2.042	0.000	0.014

Seismic Segment Forces (Factored)

Structure:	CT46137-A-SBA	**Code:**	EIA/TIA-222-G	7/29/2021	
Site Name:	Hamden-State St	**Exposure:**	C		
Height:	136.00 (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	

Tower Engineering Solutions

Load Case:	1.2D + 1.0E					**Iterations**	23
Gust Response Factor	1.10			**Sds**	0.20	**Ss**	0.19
Dead Load Factor	1.20	**Seismic Load Factor**	1.00	**Sd1**	0.10	**S1**	0.06
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.35	**SA**	0.03	**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		994.58	0.00	0.04	0.02	20.59	
10.00		972.64	0.01	0.06	0.03	28.45	
15.00		950.71	0.02	0.07	0.04	31.53	
20.00		928.78	0.04	0.07	0.04	32.59	
25.00		906.85	0.06	0.07	0.04	32.88	
30.00		884.92	0.09	0.07	0.04	32.97	
35.00		862.99	0.13	0.07	0.03	32.99	
40.00		841.06	0.16	0.07	0.03	32.82	
43.50	Bot - Section 2	575.69	0.19	0.06	0.02	22.57	
45.00		457.03	0.21	0.06	0.02	17.88	
48.50	Top - Section 1	1052.1	0.24	0.06	0.02	40.38	
50.00		207.95	0.26	0.05	0.02	7.85	
55.00		680.96	0.31	0.04	0.01	23.05	
60.00		662.17	0.37	0.03	0.01	17.43	
65.00		643.37	0.43	0.01	0.01	9.38	
70.00		624.57	0.50	-0.02	0.01	-0.35	
75.00		605.77	0.57	-0.04	0.01	-9.99	
80.00		586.97	0.65	-0.07	0.02	-17.45	
85.00		568.17	0.74	-0.10	0.04	-21.43	
88.00	Bot - Section 3	331.88	0.79	-0.11	0.05	-13.10	
90.00		365.87	0.83	-0.12	0.06	-14.38	
92.00	Top - Section 2	360.85	0.86	-0.12	0.07	-13.75	
95.00		215.79	0.92	-0.12	0.10	-7.41	
100.00		349.62	1.02	-0.10	0.14	-8.00	
105.00		337.09	1.13	-0.05	0.20	-1.72	
110.00		324.56	1.24	0.04	0.28	6.15	
115.00		312.03	1.35	0.20	0.38	15.39	
120.00		299.49	1.47	0.43	0.51	25.80	
125.00		286.96	1.60	0.77	0.67	37.19	
128.00	Appurtenance(s)	4086.0	1.67	1.03	0.78	649.19	
130.00		108.27	1.73	1.23	0.86	19.46	
135.00		261.90	1.86	1.84	1.09	62.05	
136.00	Appurtenance(s)	3049.2	1.89	1.98	1.14	759.82	
	Totals:	**24,697.0**				**1,850.8**	**Total Wind:** **22,000.5**

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

Calculated Forces

Structure:	CT46137-A-SBA	**Code:**	EIA/TIA-222-G	7/29/2021	
Site Name:	Hamden-State St	**Exposure:**	C		
Height:	136.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 20	

Load Case:	1.2D + 1.0E							**Iterations**	23
Gust Response Factor	1.10			**Sds**	0.20			**Ss**	0.19
Dead Load Factor	1.20	**Seismic Load Factor**	1.00	**Sd1**	0.10			**S1**	0.06
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.35	**SA**	0.03	**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	-31.73	-1.96	0.00	-232.70	0.00	232.70	4390.93	2195.46	7660.90	3836.15		0.00	0.00	0.068
5.00	-30.46	-1.96	0.00	-222.87	0.00	222.87	4295.16	2147.58	7328.71	3669.80		0.01	-0.02	0.068
10.00	-29.21	-1.94	0.00	-213.09	0.00	213.09	4199.39	2099.69	7003.88	3507.15		0.05	-0.05	0.068
15.00	-27.99	-1.92	0.00	-203.39	0.00	203.39	4103.62	2051.81	6686.41	3348.18		0.11	-0.07	0.068
20.00	-26.79	-1.90	0.00	-193.79	0.00	193.79	4007.85	2003.93	6376.31	3192.89		0.21	-0.10	0.067
25.00	-25.62	-1.87	0.00	-184.30	0.00	184.30	3912.08	1956.04	6073.57	3041.30		0.32	-0.13	0.067
30.00	-24.48	-1.85	0.00	-174.93	0.00	174.93	3816.32	1908.16	5778.19	2893.39		0.47	-0.15	0.067
35.00	-23.36	-1.82	0.00	-165.69	0.00	165.69	3720.55	1860.27	5490.18	2749.17		0.64	-0.18	0.067
40.00	-22.27	-1.80	0.00	-156.56	0.00	156.56	3624.78	1812.39	5209.53	2608.64		0.84	-0.21	0.066
43.50	-21.52	-1.78	0.00	-150.27	0.00	150.27	3557.74	1778.87	5017.45	2512.46		1.00	-0.23	0.066
45.00	-20.95	-1.76	0.00	-147.60	0.00	147.60	3529.01	1764.51	4936.24	2471.79		1.08	-0.24	0.066
48.50	-19.63	-1.72	0.00	-141.43	0.00	141.43	3039.25	1519.63	4279.34	2142.85		1.26	-0.26	0.072
50.00	-19.35	-1.72	0.00	-138.85	0.00	138.85	3014.63	1507.31	4209.90	2108.08		1.34	-0.27	0.072
55.00	-18.45	-1.70	0.00	-130.25	0.00	130.25	2932.54	1466.27	3982.54	1994.23		1.63	-0.30	0.072
60.00	-17.58	-1.69	0.00	-121.74	0.00	121.74	2850.45	1425.23	3761.50	1883.54		1.96	-0.33	0.071
65.00	-16.72	-1.69	0.00	-113.29	0.00	113.29	2768.37	1384.18	3546.76	1776.02		2.33	-0.36	0.070
70.00	-15.89	-1.69	0.00	-104.86	0.00	104.86	2686.28	1343.14	3338.33	1671.65		2.73	-0.40	0.069
75.00	-15.08	-1.69	0.00	-96.41	0.00	96.41	2604.19	1302.10	3136.22	1570.44		3.16	-0.43	0.067
80.00	-14.30	-1.70	0.00	-87.95	0.00	87.95	2522.10	1261.05	2940.42	1472.40		3.63	-0.47	0.065
85.00	-13.53	-1.70	0.00	-79.47	0.00	79.47	2440.02	1220.01	2750.93	1377.51		4.14	-0.50	0.063
88.00	-13.08	-1.70	0.00	-74.39	0.00	74.39	2390.76	1195.38	2640.27	1322.09		4.46	-0.52	0.062
90.00	-12.61	-1.69	0.00	-71.00	0.00	71.00	2357.93	1178.96	2567.75	1285.78		4.68	-0.53	0.061
92.00	-12.15	-1.69	0.00	-67.61	0.00	67.61	1547.90	773.95	1709.73	856.14		4.90	-0.55	0.087
95.00	-11.84	-1.70	0.00	-62.53	0.00	62.53	1524.57	762.29	1648.80	825.63		5.25	-0.57	0.084
100.00	-11.34	-1.70	0.00	-54.04	0.00	54.04	1484.88	742.44	1548.79	775.55		5.87	-0.61	0.077
105.00	-10.85	-1.70	0.00	-45.54	0.00	45.54	1444.16	722.08	1450.80	726.48		6.54	-0.66	0.070
110.00	-10.38	-1.70	0.00	-37.02	0.00	37.02	1389.90	694.95	1342.87	672.43		7.25	-0.70	0.063
115.00	-9.92	-1.68	0.00	-28.53	0.00	28.53	1335.17	667.59	1238.67	620.26		8.00	-0.73	0.053
120.00	-9.48	-1.66	0.00	-20.12	0.00	20.12	1280.45	640.22	1138.68	570.19		8.78	-0.76	0.043
125.00	-9.06	-1.62	0.00	-11.84	0.00	11.84	1225.72	612.86	1042.90	522.23		9.59	-0.78	0.030
128.00	-4.11	-0.90	0.00	-6.99	0.00	6.99	1192.89	596.44	987.45	494.46		10.09	-0.79	0.018
130.00	-3.98	-0.88	0.00	-5.20	0.00	5.20	1171.00	585.50	951.33	476.37		10.42	-0.80	0.014
135.00	-3.65	-0.81	0.00	-0.81	0.00	0.81	1116.28	558.14	863.96	432.62		11.26	-0.80	0.005
136.00	0.00	-0.76	0.00	0.00	0.00	0.00	1105.33	552.67	846.99	424.13		11.42	-0.80	0.000

Seismic Segment Forces (Factored)

Structure:	CT46137-A-SBA		**Code:**	EIA/TIA-222-G	7/29/2021
Site Name:	Hamden-State St		**Exposure:**	C	
Height:	136.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 21

Load Case:	0.9D + 1.0E							**Iterations**	23
Gust Response Factor	1.10				**Sds**	0.20		**Ss**	0.19
Dead Load Factor	0.90	**Seismic Load Factor**	1.00		**Sd1**	0.10		**S1**	0.06
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.35		**SA**	0.03	**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		994.58	0.00	0.04	0.02	20.59	
10.00		972.64	0.01	0.06	0.03	28.45	
15.00		950.71	0.02	0.07	0.04	31.53	
20.00		928.78	0.04	0.07	0.04	32.59	
25.00		906.85	0.06	0.07	0.04	32.88	
30.00		884.92	0.09	0.07	0.04	32.97	
35.00		862.99	0.13	0.07	0.03	32.99	
40.00		841.06	0.16	0.07	0.03	32.82	
43.50	Bot - Section 2	575.69	0.19	0.06	0.02	22.57	
45.00		457.03	0.21	0.06	0.02	17.88	
48.50	Top - Section 1	1052.1	0.24	0.06	0.02	40.38	
50.00		207.95	0.26	0.05	0.02	7.85	
55.00		680.96	0.31	0.04	0.01	23.05	
60.00		662.17	0.37	0.03	0.01	17.43	
65.00		643.37	0.43	0.01	0.01	9.38	
70.00		624.57	0.50	-0.02	0.01	-0.35	
75.00		605.77	0.57	-0.04	0.01	-9.99	
80.00		586.97	0.65	-0.07	0.02	-17.45	
85.00		568.17	0.74	-0.10	0.04	-21.43	
88.00	Bot - Section 3	331.88	0.79	-0.11	0.05	-13.10	
90.00		365.87	0.83	-0.12	0.06	-14.38	
92.00	Top - Section 2	360.85	0.86	-0.12	0.07	-13.75	
95.00		215.79	0.92	-0.12	0.10	-7.41	
100.00		349.62	1.02	-0.10	0.14	-8.00	
105.00		337.09	1.13	-0.05	0.20	-1.72	
110.00		324.56	1.24	0.04	0.28	6.15	
115.00		312.03	1.35	0.20	0.38	15.39	
120.00		299.49	1.47	0.43	0.51	25.80	
125.00		286.96	1.60	0.77	0.67	37.19	
128.00	Appurtenance(s)	4086.0	1.67	1.03	0.78	649.19	
130.00		108.27	1.73	1.23	0.86	19.46	
135.00		261.90	1.86	1.84	1.09	62.05	
136.00	Appurtenance(s)	3049.2	1.89	1.98	1.14	759.82	
	Totals:	**24,697.0**				**1,850.8**	**Total Wind:** **22,000.5**

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

Calculated Forces

Structure:	CT46137-A-SBA	**Code:**	EIA/TIA-222-G	7/29/2021	
Site Name:	Hamden-State St	**Exposure:**	C		
Height:	136.00 (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	

Load Case:	0.9D + 1.0E							**Iterations**	23
Gust Response Factor	1.10			**Sds**	0.20			**Ss**	0.19
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.10			**S1**	0.06
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.35	**SA**	0.03	**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	-23.80	-1.96	0.00	-229.45	0.00	229.45	4390.93	2195.46	7660.90	3836.15		0.00	0.00	0.065
5.00	-22.84	-1.95	0.00	-219.63	0.00	219.63	4295.16	2147.58	7328.71	3669.80		0.01	-0.02	0.065
10.00	-21.91	-1.93	0.00	-209.88	0.00	209.88	4199.39	2099.69	7003.88	3507.15		0.05	-0.05	0.065
15.00	-20.99	-1.91	0.00	-200.22	0.00	200.22	4103.62	2051.81	6686.41	3348.18		0.11	-0.07	0.065
20.00	-20.09	-1.88	0.00	-190.67	0.00	190.67	4007.85	2003.93	6376.31	3192.89		0.20	-0.10	0.065
25.00	-19.21	-1.86	0.00	-181.25	0.00	181.25	3912.08	1956.04	6073.57	3041.30		0.32	-0.12	0.065
30.00	-18.36	-1.83	0.00	-171.97	0.00	171.97	3816.32	1908.16	5778.19	2893.39		0.46	-0.15	0.064
35.00	-17.52	-1.80	0.00	-162.81	0.00	162.81	3720.55	1860.27	5490.18	2749.17		0.63	-0.18	0.064
40.00	-16.70	-1.78	0.00	-153.79	0.00	153.79	3624.78	1812.39	5209.53	2608.64		0.83	-0.20	0.064
43.50	-16.14	-1.75	0.00	-147.57	0.00	147.57	3557.74	1778.87	5017.45	2512.46		0.99	-0.22	0.063
45.00	-15.71	-1.74	0.00	-144.94	0.00	144.94	3529.01	1764.51	4936.24	2471.79		1.06	-0.23	0.063
48.50	-14.72	-1.70	0.00	-138.85	0.00	138.85	3039.25	1519.63	4279.34	2142.85		1.24	-0.25	0.070
50.00	-14.51	-1.69	0.00	-136.31	0.00	136.31	3014.63	1507.31	4209.90	2108.08		1.32	-0.26	0.069
55.00	-13.84	-1.68	0.00	-127.83	0.00	127.83	2932.54	1466.27	3982.54	1994.23		1.61	-0.29	0.069
60.00	-13.18	-1.66	0.00	-119.45	0.00	119.45	2850.45	1425.23	3761.50	1883.54		1.93	-0.32	0.068
65.00	-12.54	-1.66	0.00	-111.14	0.00	111.14	2768.37	1384.18	3546.76	1776.02		2.29	-0.36	0.067
70.00	-11.92	-1.66	0.00	-102.86	0.00	102.86	2686.28	1343.14	3338.33	1671.65		2.68	-0.39	0.066
75.00	-11.31	-1.66	0.00	-94.56	0.00	94.56	2604.19	1302.10	3136.22	1570.44		3.11	-0.42	0.065
80.00	-10.72	-1.66	0.00	-86.25	0.00	86.25	2522.10	1261.05	2940.42	1472.40		3.57	-0.46	0.063
85.00	-10.15	-1.66	0.00	-77.93	0.00	77.93	2440.02	1220.01	2750.93	1377.51		4.07	-0.49	0.061
88.00	-9.81	-1.66	0.00	-72.94	0.00	72.94	2390.76	1195.38	2640.27	1322.09		4.38	-0.51	0.059
90.00	-9.46	-1.66	0.00	-69.62	0.00	69.62	2357.93	1178.96	2567.75	1285.78		4.60	-0.52	0.058
92.00	-9.11	-1.66	0.00	-66.29	0.00	66.29	1547.90	773.95	1709.73	856.14		4.82	-0.54	0.083
95.00	-8.87	-1.66	0.00	-61.31	0.00	61.31	1524.57	762.29	1648.80	825.63		5.17	-0.56	0.080
100.00	-8.50	-1.67	0.00	-52.98	0.00	52.98	1484.88	742.44	1548.79	775.55		5.77	-0.60	0.074
105.00	-8.13	-1.67	0.00	-44.64	0.00	44.64	1444.16	722.08	1450.80	726.48		6.43	-0.64	0.067
110.00	-7.78	-1.66	0.00	-36.30	0.00	36.30	1389.90	694.95	1342.87	672.43		7.12	-0.68	0.060
115.00	-7.44	-1.65	0.00	-27.98	0.00	27.98	1335.17	667.59	1238.67	620.26		7.86	-0.72	0.051
120.00	-7.11	-1.62	0.00	-19.73	0.00	19.73	1280.45	640.22	1138.68	570.19		8.63	-0.75	0.040
125.00	-6.79	-1.58	0.00	-11.62	0.00	11.62	1225.72	612.86	1042.90	522.23		9.42	-0.77	0.028
128.00	-3.08	-0.88	0.00	-6.88	0.00	6.88	1192.89	596.44	987.45	494.46		9.91	-0.78	0.016
130.00	-2.98	-0.86	0.00	-5.11	0.00	5.11	1171.00	585.50	951.33	476.37		10.24	-0.78	0.013
135.00	-2.74	-0.80	0.00	-0.80	0.00	0.80	1116.28	558.14	863.96	432.62		11.06	-0.79	0.004
136.00	0.00	-0.76	0.00	0.00	0.00	0.00	1105.33	552.67	846.99	424.13		11.22	-0.79	0.000

Wind Loading - Shaft

Structure:	CT46137-A-SBA	**Code:**	EIA/TIA-222-G	7/29/2021	
Site Name:	Hamden-State St	**Exposure:**	C		
Height:	136.00 (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	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

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	0.85	7.442	8.19	201.28	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	7.442	8.19	196.93	0.650	0.000	5.00	17.997	11.70	95.8	0.0	994.6
10.00		1.00	0.85	7.442	8.19	192.59	0.650	0.000	5.00	17.604	11.44	93.7	0.0	972.6
15.00		1.00	0.85	7.442	8.19	188.24	0.650	0.000	5.00	17.211	11.19	91.6	0.0	950.7
20.00		1.00	0.90	7.896	8.69	189.43	0.650	0.000	5.00	16.818	10.93	95.0	0.0	928.8
25.00		1.00	0.95	8.276	9.10	189.35	0.650	0.000	5.00	16.426	10.68	97.2	0.0	906.9
30.00		1.00	0.98	8.600	9.46	188.34	0.650	0.000	5.00	16.033	10.42	98.6	0.0	884.9
35.00		1.00	1.01	8.883	9.77	186.68	0.650	0.000	5.00	15.640	10.17	99.3	0.0	863.0
40.00		1.00	1.04	9.137	10.05	184.51	0.650	0.000	5.00	15.247	9.91	99.6	0.0	841.1
43.50	Bot - Section 2	1.00	1.06	9.300	10.23	182.74	0.650	0.000	3.50	10.439	6.79	69.4	0.0	575.7
45.00		1.00	1.07	9.366	10.30	181.93	0.650	0.000	1.50	4.510	2.93	30.2	0.0	457.0
48.50	Top - Section 1	1.00	1.09	9.515	10.47	179.93	0.650	0.000	3.50	10.387	6.75	70.7	0.0	1052.1
50.00		1.00	1.09	9.576	10.53	183.01	0.650	0.000	1.50	4.393	2.86	30.1	0.0	208.0
55.00		1.00	1.12	9.770	10.75	179.88	0.650	0.000	5.00	14.386	9.35	100.5	0.0	681.0
60.00		1.00	1.14	9.951	10.95	176.51	0.650	0.000	5.00	13.994	9.10	99.6	0.0	662.2
65.00		1.00	1.16	10.120	11.13	172.94	0.650	0.000	5.00	13.601	8.84	98.4	0.0	643.4
70.00		1.00	1.17	10.279	11.31	169.18	0.650	0.000	5.00	13.208	8.59	97.1	0.0	624.6
75.00		1.00	1.19	10.430	11.47	165.27	0.650	0.000	5.00	12.815	8.33	95.6	0.0	605.8
80.00		1.00	1.21	10.572	11.63	161.22	0.650	0.000	5.00	12.423	8.07	93.9	0.0	587.0
85.00		1.00	1.22	10.708	11.78	157.04	0.650	0.000	5.00	12.030	7.82	92.1	0.0	568.2
88.00	Bot - Section 3	1.00	1.23	10.787	11.87	154.48	0.650	0.000	3.00	7.029	4.57	54.2	0.0	331.9
90.00		1.00	1.24	10.838	11.92	152.75	0.650	0.000	2.00	4.692	3.05	36.4	0.0	365.9
92.00	Top - Section 2	1.00	1.24	10.888	11.98	151.00	0.650	0.000	2.00	4.629	3.01	36.0	0.0	360.9
95.00		1.00	1.25	10.962	12.06	151.18	0.650	0.000	3.00	6.826	4.44	53.5	0.0	215.8
100.00		1.00	1.27	11.081	12.19	146.70	0.650	0.000	5.00	11.063	7.19	87.6	0.0	349.6
105.00		1.00	1.28	11.195	12.31	142.13	0.650	0.000	5.00	10.670	6.94	85.4	0.0	337.1
110.00		1.00	1.29	11.305	12.44	137.47	0.650	0.000	5.00	10.278	6.68	83.1	0.0	324.6
115.00		1.00	1.30	11.412	12.55	132.73	0.650	0.000	5.00	9.885	6.43	80.7	0.0	312.0
120.00		1.00	1.32	11.514	12.67	127.92	0.650	0.000	5.00	9.492	6.17	78.1	0.0	299.5
125.00		1.00	1.33	11.614	12.78	123.04	0.650	0.000	5.00	9.099	5.91	75.6	0.0	287.0
128.00	Appurtenance(s)	1.00	1.33	11.672	12.84	120.09	0.650	0.000	3.00	5.271	3.43	44.0	0.0	166.2
130.00		1.00	1.34	11.710	12.88	118.10	0.650	0.000	2.00	3.435	2.23	28.8	0.0	108.3
135.00		1.00	1.35	11.803	12.98	113.10	0.650	0.000	5.00	8.314	5.40	70.2	0.0	261.9
136.00	Appurtenance(s)	1.00	1.35	11.822	13.00	112.09	0.650	0.000	1.00	1.616	1.05	13.7	0.0	50.9
								Totals:	**136.00**			**2,475.4**		**17,778.7**

Discrete Appurtenance Forces

Structure:	CT46137-A-SBA	**Code:**	EIA/TIA-222-G	7/29/2021	
Site Name:	Hamden-State St	**Exposure:**	C		
Height:	136.00 (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 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	136.00	Low Profile Platform	1	11.822	13.004	1.00	1.00	22.00	1500.00	0.000	0.000	286.09	0.00	0.00
2	136.00	RVZDC-6627-PF-48	2	11.947	13.142	1.00	1.00	8.12	64.00	0.000	7.000	106.71	0.00	747.00
3	136.00	B5/B13 RRH-BR04C	3	11.947	13.142	0.60	0.90	3.38	210.90	0.000	7.000	44.46	0.00	311.20
4	136.00	B2/B66A RRH-BR049	3	11.947	13.142	0.60	0.90	3.38	253.20	0.000	7.000	44.46	0.00	311.20
5	136.00	MX06FRO660-02	6	11.947	13.142	0.78	0.90	46.37	276.00	0.000	7.000	609.39	0.00	4265.72
6	136.00	HBX-6517DS-VTM	3	11.947	13.142	0.68	0.90	10.71	56.10	0.000	7.000	140.78	0.00	985.47
7	136.00	MT6407-77A	3	11.947	13.142	0.63	0.90	8.86	238.20	0.000	7.000	116.49	0.00	815.45
8	136.00	HRR12-U Handrail	1	11.822	13.004	0.75	1.00	5.06	400.00	0.000	0.000	65.83	0.00	0.00
9	128.00	Air 6449 B41	3	11.672	12.839	0.53	0.75	9.03	309.00	0.000	0.000	115.88	0.00	0.00
10	128.00	SitePro RMQP-496-HK	1	11.672	12.839	1.00	1.00	48.00	2449.00	0.000	0.000	616.27	0.00	0.00
11	128.00	Ericsson 4415 B66A	3	11.672	12.839	0.50	0.75	2.47	148.80	0.000	0.000	31.74	0.00	0.00
12	128.00	Ericsson 4424 B25	3	11.672	12.839	0.50	0.75	3.09	264.00	0.000	0.000	39.68	0.00	0.00
13	128.00	Ericsson 4449 B71 + B85	3	11.672	12.839	0.50	0.75	2.49	210.00	0.000	0.000	31.94	0.00	0.00
14	128.00	Ericsson KRY 112 144/2	3	11.672	12.839	0.52	0.75	0.65	33.00	0.000	0.000	8.29	0.00	0.00
15	128.00	APX16DWV-16DWVS-E-A	3	11.672	12.839	0.46	0.75	9.22	122.10	0.000	0.000	118.39	0.00	0.00
16	128.00	APXVAARR24_43-U-NA2	3	11.672	12.839	0.52	0.75	31.88	384.00	0.000	0.000	409.28	0.00	0.00
							Totals:		**6,918.30**			**2,785.68**		

Total Applied Force Summary

Structure:	CT46137-A-SBA		**Code:**	EIA/TIA-222-G	7/29/2021
Site Name:	Hamden-State St		**Exposure:**	C	
Height:	136.00 (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 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		95.76	1062.22	0.00	0.00
10.00		93.67	1040.28	0.00	0.00
15.00		91.58	1018.35	0.00	0.00
20.00		94.95	996.42	0.00	0.00
25.00		97.20	974.49	0.00	0.00
30.00		98.58	952.56	0.00	0.00
35.00		99.34	930.63	0.00	0.00
40.00		99.61	908.70	0.00	0.00
43.50		69.41	623.04	0.00	0.00
45.00		30.20	477.32	0.00	0.00
48.50		70.66	1099.49	0.00	0.00
50.00		30.08	228.25	0.00	0.00
55.00		100.50	748.60	0.00	0.00
60.00		99.56	729.81	0.00	0.00
65.00		98.41	711.01	0.00	0.00
70.00		97.07	692.21	0.00	0.00
75.00		95.57	673.41	0.00	0.00
80.00		93.90	654.61	0.00	0.00
85.00		92.10	635.81	0.00	0.00
88.00		54.21	372.47	0.00	0.00
90.00		36.36	392.92	0.00	0.00
92.00		36.04	387.91	0.00	0.00
95.00		53.50	256.37	0.00	0.00
100.00		87.65	417.26	0.00	0.00
105.00		85.41	404.73	0.00	0.00
110.00		83.08	392.20	0.00	0.00
115.00		80.65	379.67	0.00	0.00
120.00		78.15	367.13	0.00	0.00
125.00		75.56	354.60	0.00	0.00
128.00	(22) attachments	1415.46	4126.65	0.00	0.00
130.00		28.76	112.67	0.00	0.00
135.00		70.16	272.90	0.00	0.00
136.00	(22) attachments	1427.87	3051.48	0.00	7436.03
	Totals:	**5,261.04**	**26,446.17**	**0.00**	**7,436.03**

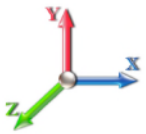
Calculated Forces

Structure:	CT46137-A-SBA	**Code:**	EIA/TIA-222-G	7/29/2021	
Site Name:	Hamden-State St	**Exposure:**	C		
Height:	136.00 (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	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

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	-26.44	-5.27	0.00	-565.12	0.00	565.12	4390.93	2195.46	7660.90	3836.15	0.00	0.000	0.000	0.153
5.00	-25.38	-5.20	0.00	-538.75	0.00	538.75	4295.16	2147.58	7328.71	3669.80	0.03	-0.058	0.000	0.153
10.00	-24.33	-5.13	0.00	-512.74	0.00	512.74	4199.39	2099.69	7003.88	3507.15	0.12	-0.117	0.000	0.152
15.00	-23.31	-5.06	0.00	-487.07	0.00	487.07	4103.62	2051.81	6686.41	3348.18	0.28	-0.177	0.000	0.151
20.00	-22.31	-4.99	0.00	-461.75	0.00	461.75	4007.85	2003.93	6376.31	3192.89	0.50	-0.238	0.000	0.150
25.00	-21.33	-4.91	0.00	-436.81	0.00	436.81	3912.08	1956.04	6073.57	3041.30	0.78	-0.300	0.000	0.149
30.00	-20.37	-4.83	0.00	-412.25	0.00	412.25	3816.32	1908.16	5778.19	2893.39	1.13	-0.364	0.000	0.148
35.00	-19.43	-4.75	0.00	-388.11	0.00	388.11	3720.55	1860.27	5490.18	2749.17	1.54	-0.428	0.000	0.146
40.00	-18.52	-4.66	0.00	-364.38	0.00	364.38	3624.78	1812.39	5209.53	2608.64	2.03	-0.493	0.000	0.145
43.50	-17.90	-4.59	0.00	-348.08	0.00	348.08	3557.74	1778.87	5017.45	2512.46	2.40	-0.539	0.000	0.144
45.00	-17.42	-4.57	0.00	-341.20	0.00	341.20	3529.01	1764.51	4936.24	2471.79	2.58	-0.560	0.000	0.143
48.50	-16.32	-4.50	0.00	-325.21	0.00	325.21	3039.25	1519.63	4279.34	2142.85	3.00	-0.607	0.000	0.157
50.00	-16.08	-4.48	0.00	-318.47	0.00	318.47	3014.63	1507.31	4209.90	2108.08	3.20	-0.628	0.000	0.156
55.00	-15.33	-4.39	0.00	-296.09	0.00	296.09	2932.54	1466.27	3982.54	1994.23	3.90	-0.701	0.000	0.154
60.00	-14.60	-4.30	0.00	-274.15	0.00	274.15	2850.45	1425.23	3761.50	1883.54	4.67	-0.775	0.000	0.151
65.00	-13.88	-4.21	0.00	-252.67	0.00	252.67	2768.37	1384.18	3546.76	1776.02	5.52	-0.849	0.000	0.147
70.00	-13.19	-4.12	0.00	-231.64	0.00	231.64	2686.28	1343.14	3338.33	1671.65	6.45	-0.924	0.000	0.143
75.00	-12.51	-4.03	0.00	-211.06	0.00	211.06	2604.19	1302.10	3136.22	1570.44	7.46	-0.999	0.000	0.139
80.00	-11.85	-3.93	0.00	-190.94	0.00	190.94	2522.10	1261.05	2940.42	1472.40	8.54	-1.073	0.000	0.134
85.00	-11.21	-3.84	0.00	-171.26	0.00	171.26	2440.02	1220.01	2750.93	1377.51	9.71	-1.147	0.000	0.129
88.00	-10.84	-3.79	0.00	-159.74	0.00	159.74	2390.76	1195.38	2640.27	1322.09	10.44	-1.192	0.000	0.125
90.00	-10.45	-3.75	0.00	-152.16	0.00	152.16	2357.93	1178.96	2567.75	1285.78	10.95	-1.222	0.000	0.123
92.00	-10.06	-3.71	0.00	-144.67	0.00	144.67	1547.90	773.95	1709.73	856.14	11.47	-1.251	0.000	0.175
95.00	-9.80	-3.66	0.00	-133.54	0.00	133.54	1524.57	762.29	1648.80	825.63	12.27	-1.295	0.000	0.168
100.00	-9.38	-3.58	0.00	-115.22	0.00	115.22	1484.88	742.44	1548.79	775.55	13.67	-1.391	0.000	0.155
105.00	-8.97	-3.50	0.00	-97.32	0.00	97.32	1444.16	722.08	1450.80	726.48	15.18	-1.483	0.000	0.140
110.00	-8.57	-3.42	0.00	-79.82	0.00	79.82	1389.90	694.95	1342.87	672.43	16.78	-1.568	0.000	0.125
115.00	-8.19	-3.34	0.00	-62.73	0.00	62.73	1335.17	667.59	1238.67	620.26	18.47	-1.645	0.000	0.107
120.00	-7.82	-3.26	0.00	-46.05	0.00	46.05	1280.45	640.22	1138.68	570.19	20.23	-1.712	0.000	0.087
125.00	-7.47	-3.18	0.00	-29.76	0.00	29.76	1225.72	612.86	1042.90	522.23	22.05	-1.764	0.000	0.063
128.00	-3.39	-1.63	0.00	-20.24	0.00	20.24	1192.89	596.44	987.45	494.46	23.16	-1.788	0.000	0.044
130.00	-3.28	-1.60	0.00	-16.97	0.00	16.97	1171.00	585.50	951.33	476.37	23.92	-1.801	0.000	0.038
135.00	-3.00	-1.52	0.00	-8.96	0.00	8.96	1116.28	558.14	863.96	432.62	25.82	-1.824	0.000	0.023
136.00	0.00	-1.43	0.00	-7.44	0.00	7.44	1105.33	552.67	846.99	424.13	26.20	-1.827	0.000	0.018

Final Analysis Summary

Structure:	CT46137-A-SBA	**Code:**	EIA/TIA-222-G	7/29/2021	
Site Name:	Hamden-State St	**Exposure:**	C		
Height:	136.00 (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	

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 97 mph Wind	22.1	0.00	31.69	0.00	0.00	2379.08
0.9D + 1.6W 97 mph Wind	22.1	0.00	23.75	0.00	0.00	2347.66
1.2D + 1.0Di + 1.0Wi 50 mph Wind	6.2	0.00	48.37	0.00	0.00	653.38
1.2D + 1.0E	2.0	0.00	31.73	0.00	0.00	232.70
0.9D + 1.0E	2.0	0.00	23.80	0.00	0.00	229.45
1.0D + 1.0W 60 mph Wind	5.3	0.00	26.44	0.00	0.00	565.12

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 97 mph Wind	-10.75	-15.65	0.00	-609.80	0.00	-609.80	1547.90	773.95	1709.73	856.14	92.00	0.720
0.9D + 1.6W 97 mph Wind	-7.74	-15.36	0.00	-597.42	0.00	-597.42	1547.90	773.95	1709.73	856.14	92.00	0.703
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-22.42	-4.25	0.00	-160.64	0.00	-160.64	1547.90	773.95	1709.73	856.14	92.00	0.202
1.2D + 1.0E	-12.15	-1.69	0.00	-67.61	0.00	-67.61	1547.90	773.95	1709.73	856.14	92.00	0.087
0.9D + 1.0E	-9.11	-1.66	0.00	-66.29	0.00	-66.29	1547.90	773.95	1709.73	856.14	92.00	0.083
1.0D + 1.0W 60 mph Wind	-10.06	-3.71	0.00	-144.67	0.00	-144.67	1547.90	773.95	1709.73	856.14	92.00	0.175

Base Plate Summary

Structure:	CT46137-A-SB		**Code:**	EIA/TIA-222-G	7/29/2021
Site Name:	Hamden-State St		**Exposure:**	C	
Height:	136.00 (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	
Original Design	
Moment (kip-ft):	2324.83
Axial (kip):	26.85
Shear (kip):	21.75
Analysis (1.2D + 1.6W)	
Moment (kip-ft):	2379.08
Axial (kip):	31.69
Shear (kip):	22.07

Base Plate	
Yield (ksi):	60.00
Width (in):	57.00
Style:	Round
Polygon Sides:	0.00
Clip Length (in):	0.00
Effective Len (in):	12.20
Moment (kip-in):	514.69
Allow Stress (ksi):	81.00
Applied Stress (ksi):	63.18
Stress Ratio:	0.78

Anchor Bolts	
Bolt Circle:	51.00
Number Bolts:	16.00
Bolt Type:	2.25" 18J
Bolt Diameter (in):	2.25
Yield (ksi):	75.00
Ultimate (ksi):	100.00
Arrangement:	Radial
Cluster Dist (in):	0.00
Start Angle (deg):	0.00
Compression	
Force (kip):	142.97
Allowable (kip):	260.00
Ratio:	0.56
Tension	
Force (kip):	136.92
Allowable (kip):	260.00
Ratio:	0.54

Maser Consulting Connecticut
2000 Midlantic Drive, Suite 100
Mt. Laurel, NJ 08054
(856) 797-0412
greg.dulnik@colliersengineering.com

Antenna Mount Analysis Report and PMI Requirements

Mount Analysis

Smart Tool Project #: 10032215
Maser Consulting Connecticut Project #: 20777636A

April 22, 2021

Site Information	*Site ID:*	*467276-VZW / Hamden_5_CT*
	Site Name:	*Hamden_5_CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*2895 State Street* *Hamden, Connecticut 06517* *New Haven County*
	Latitude:	*41.360008°*
	Longitude:	*-72.885694°*
Structure Information	*Tower Type:*	*140.67-Ft Monopole*
	Mount Type:	*12.50-Ft Platform*

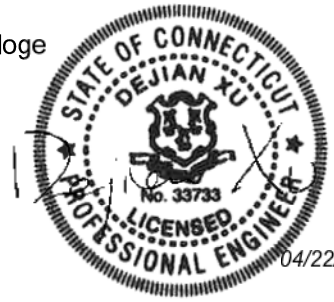
FUZE ID # 16227620

Analysis Results

Platform: **91.6% 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: Conner Hoge



04/22/2021

Executive Summary:

The objective of this report is to determine the capacity of the antenna support mount at the subject facility for the final wireless telecommunications configuration, per the applicable codes and standards. Any modification listed under Sources of Information was assumed completed and was included in this analysis.

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS Site ID: 1952274, dated March 19, 2021*
Previous Mount Analysis Report	*All Points Technology Corporation, Project Code: 20171646083, dated January 14, 2020*
Mount Mapping Report	*Hudson Design Group LLC. Site #: 467276, dated January 27, 2021*
Construction Drawings	*All Points Technology Corporation, Project Code: 20171646083, dated January 2, 2020*

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:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	1.000
Seismic Parameters:	S_S:	0.202
	S_1:	0.054
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
			JMA Wireless		Added
			Samsung		
			Andrew		Retained
			Raycap		
			Samsung		
			Samsung		

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:
   - Channel, Solid Round, Angle, Plate — ASTM A36 (Gr. 36)
   - HSS (Rectangular) — ASTM 500 (Gr. B-46)
   - Pipe — ASTM A53 (Gr. B-35)
   - Threaded Rod — F1554 (Gr. 36)
   - Bolts — ASTM A325

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

Analysis Results:

Component	Utilization %	Pass/Fail
Support Rail	*63.0%*	*Pass*
Support Rail Connection Angle	*91.6%*	*Pass*
Face Horizontal	*29.0%*	*Pass*
Standoff Horizontal	*60.0%*	*Pass*
Standoff Bracing	*23.0%*	*Pass*
Standoff Plates	*39.0%*	*Pass*
Mount Pipes	*91.0%*	*Pass*
Mount Connection	*64.9%*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**91.6%**

Recommendation:

The existing mount is **SUFFICIENT** for the final loading configuration and do not require modifications.

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:

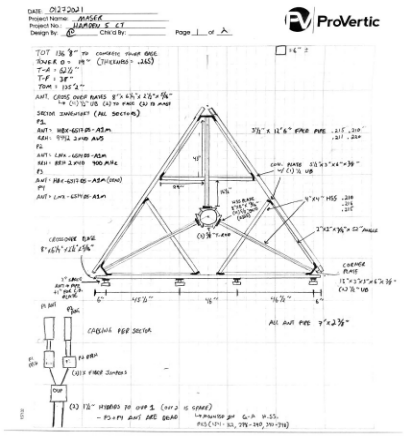
Mount Photos
Mount Mapping Report (for reference only)
Analysis Calculations
Contractor Required Post Installation Inspection (PMI) Report Deliverables
Antenna Placement Diagrams
TIA Adoption and Wind Speed Usage Letter

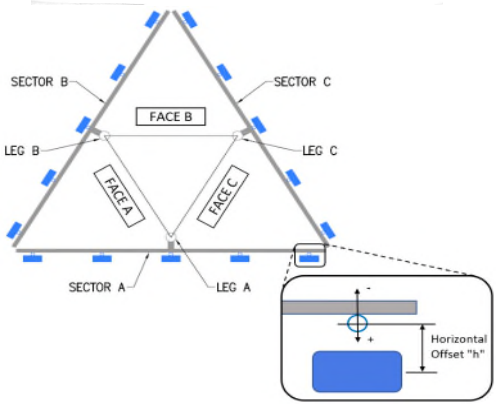
V3.0 Updated on 8-31-2020

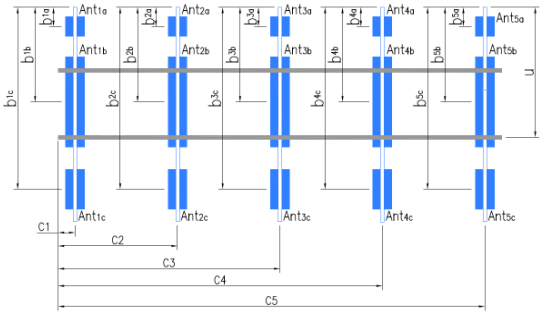
Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	SBA	**Mapping Date:**	1/27/2021
Site Name:	Hamden 5 CT (VZW)	**Tower Type:**	Monopole
Site Number or ID:	467276	**Tower Height (Ft.):**	136.8
Mapping Contractor:	HUDSON DESIGN GROUP LLC,	**Mount Elevation (Ft.):**	135.2







Antenna Layout (Looking Out From Tower)

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	PIPE 2" STD X 0.154 X 84" LONG	76.00	6.00	C1	PIPE 2" STD X 0.154 X 84" LONG	76.00	6.00
A2	PIPE 2" STD X 0.154 X 84" LONG	76.00	46.50	C2	PIPE 2" STD X 0.154 X 84" LONG	76.00	46.50
A3	PIPE 2" STD X 0.154 X 84" LONG	76.00	46.00	C3	PIPE 2" STD X 0.154 X 84" LONG	76.00	46.00
A4	PIPE 2" STD X 0.154 X 84" LONG	76.00	45.50	C4	PIPE 2" STD X 0.154 X 84" LONG	76.00	45.50
A5			6.00	C5			6.00
A6				C6			
B1	PIPE 2" STD X 0.154 X 84" LONG	76.00	6.00	D1			
B2	PIPE 2" STD X 0.154 X 84" LONG	76.00	46.50	D2			
B3	PIPE 2" STD X 0.154 X 84" LONG	76.00	46.00	D3			
B4	PIPE 2" STD X 0.154 X 84" LONG	76.00	45.50	D4			
B5			6.00	D5			
B6				D6			

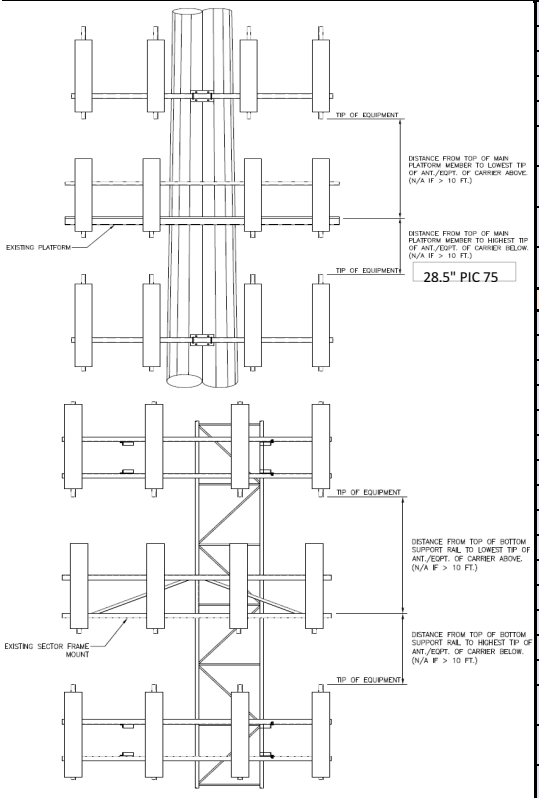
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	0.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	18
Please enter additional infomation or comments below.	

Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	19

	Enter antenna model. If not labeled, 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	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	HBX-6517DS-A1M	6.00	3.50	75.00		138.408	37.50	5.50	15.00	5
Ant_{1c}	9442 RRH2x40-AWS	12.00	8.00	25.00		138.533	36.00	6.50		5
Ant_{2a}										
Ant_{2b}	LNX-6514DS-A1M	12.00	7.50	73.00		138.533	36.00	7.50	15.00	6
Ant_{2c}	RRH2x40 700MHZ	16.00	10.00	16.25		138.533	36.00	7.50		6
Ant_{3a}										
Ant_{3b}	HBX-6517DS-A1M	6.00	3.50	75.00		138.408	37.50	5.50	15.00	7
Ant_{3c}										
Ant_{4a}	LNX-6514DS-A1M	12.00	7.50	73.00		138.533	36.00	7.50	15.00	8
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff	(2) RRFDC-3315-PF-48	15.00	10.00	28.00						154,156
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector			Tower Leg Azimuth (Degree) for Each Sector		
Sector A:	0.00	Deg	Leg A:		Deg
Sector B:	120.00	Deg	Leg B:		Deg
Sector C:	240.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information			
Location:	5 degrees	Deg	Other
Climbing Facility	Corrosion Type:		Good condition.
	Access:		Climbing path was unobstructed.
	Condition:		Good condition.



Sector B										
Ant_{1a}										
Ant_{1b}	HBX-6517DS-A1M	6.00	3.50	75.00		138.408	37.50	5.50	125.00	13
Ant_{1c}	9442 RRH2x40-AWS	12.00	8.00	25.00		138.533	36.00	6.50		13
Ant_{2a}										
Ant_{2b}	LNX-6514DS-A1M	12.00	7.50	73.00		138.533	36.00	7.50	125.00	14
Ant_{2c}	RRH2x40 700MHZ	16.00	10.00	16.25		138.533	36.00	7.50		14
Ant_{3a}										
Ant_{3b}	HBX-6517DS-A1M	6.00	3.50	75.00		138.408	37.50	5.50	125.00	15
Ant_{3c}										
Ant_{4a}	LNX-6514DS-A1M	12.00	7.50	73.00		138.533	36.00	7.50	125.00	16
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	HBX-6517DS-A1M	6.00	3.50	75.00		138.408	37.50	5.50	270.00	23
Ant_{1c}	9442 RRH2x40-AWS	12.00	8.00	25.00		138.533	36.00	6.50		23
Ant_{2a}										
Ant_{2b}	LNX-6514DS-A1M	12.00	7.50	73.00		138.533	36.00	7.50	270.00	24
Ant_{2c}	RRH2x40 700MHZ	16.00	10.00	16.25		138.533	36.00	7.50		24
Ant_{3a}										
Ant_{3b}	HBX-6517DS-A1M	6.00	3.50	75.00		138.408	37.50	5.50	270.00	25
Ant_{3c}										
Ant_{4a}	LNX-6514DS-A1M	12.00	7.50	73.00		138.533	36.00	7.50	270.00	26
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
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}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #

1	safety climb has excessive slack and should be tightened	30,55
2		
3		
4		
5		
6		
7		
8		

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

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

Antenna Mount Mapping Form (PATENT PENDING)

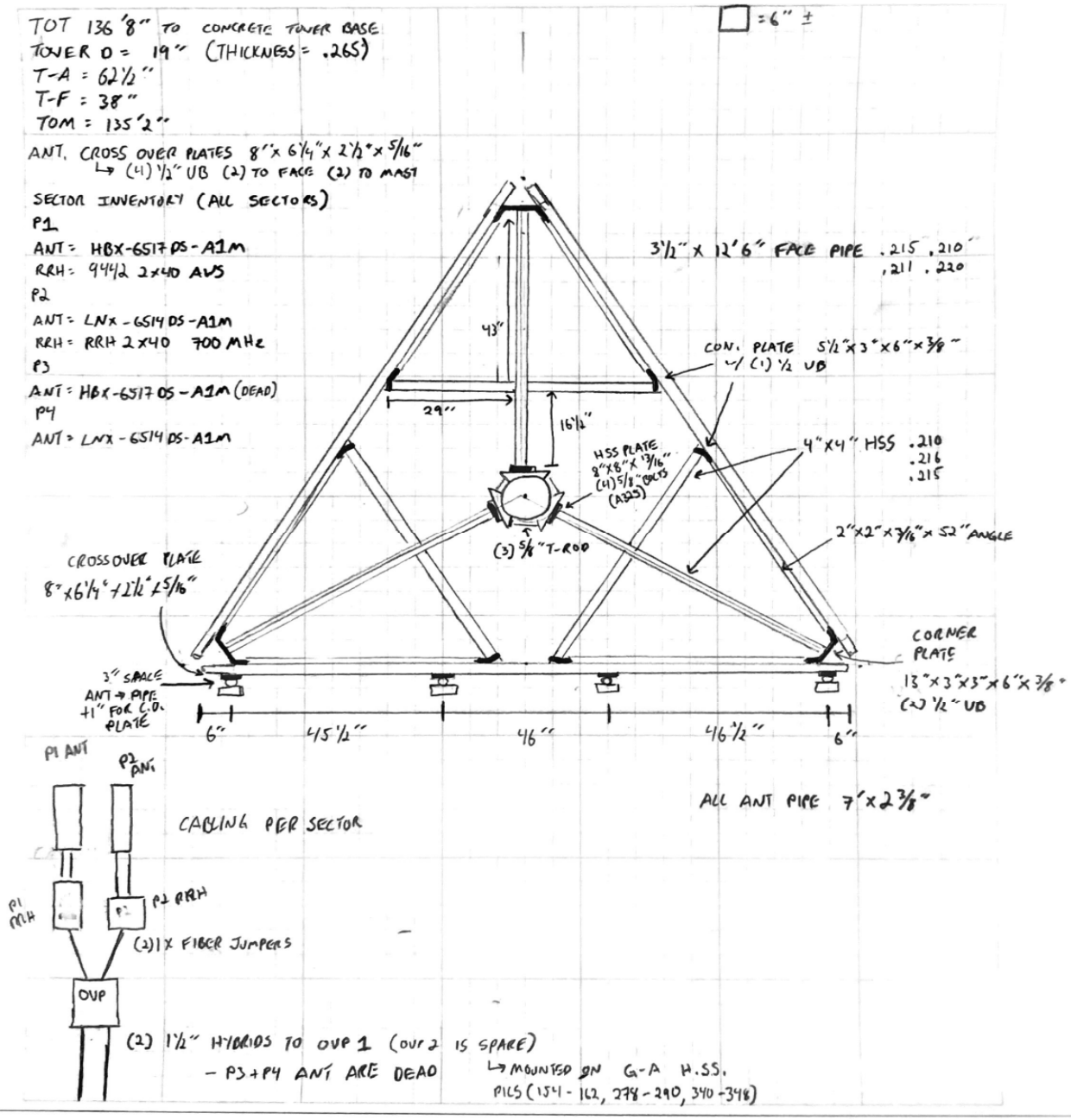
FCC #

Tower Owner:	SBA	**Mapping Date:**	1/27/2021
Site Name:	Hamden 5 CT (VZW)	**Tower Type:**	Monopole
Site Number or ID:	467276	**Tower Height (Ft.):**	136.8
Mapping Contractor:	HUDSON DESIGN GROUP LLC,	**Mount Elevation (Ft.):**	135.2

Please Insert Sketches of the Antenna Mount

DATE: 01272021
Project Name: MASER
Project No.: HAMDEN 5 CT
Design By: [illegible] Chk'd By: _____ Page 1 of 1

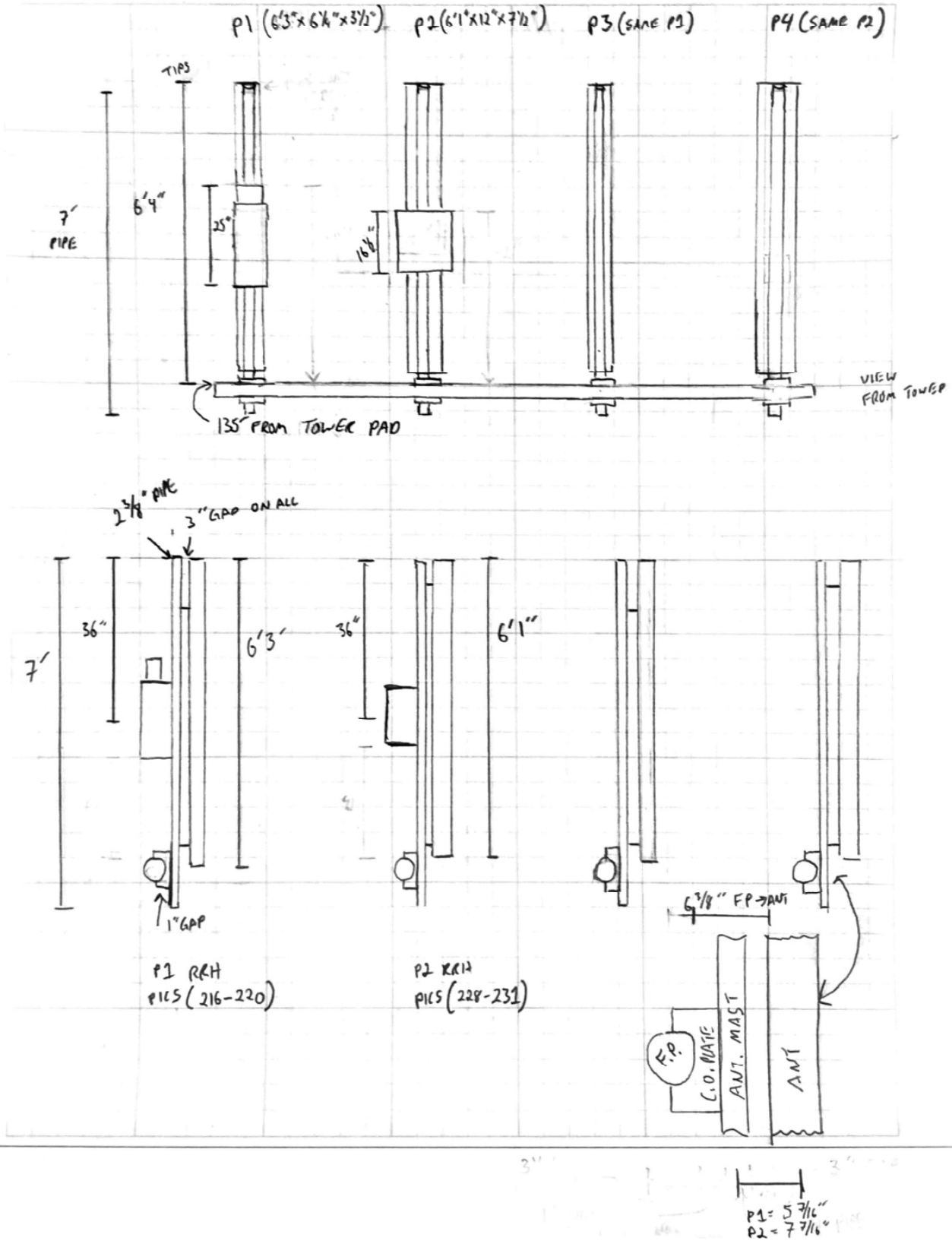
ProVertic



Please Insert Sketches of the Antenna Mount, cont'd

DATE: _____
Project Name: _____
Project No.: HAMDEN 5
Design By: _____ Chk'd By: _____ Page 2 of 2

ProVertic



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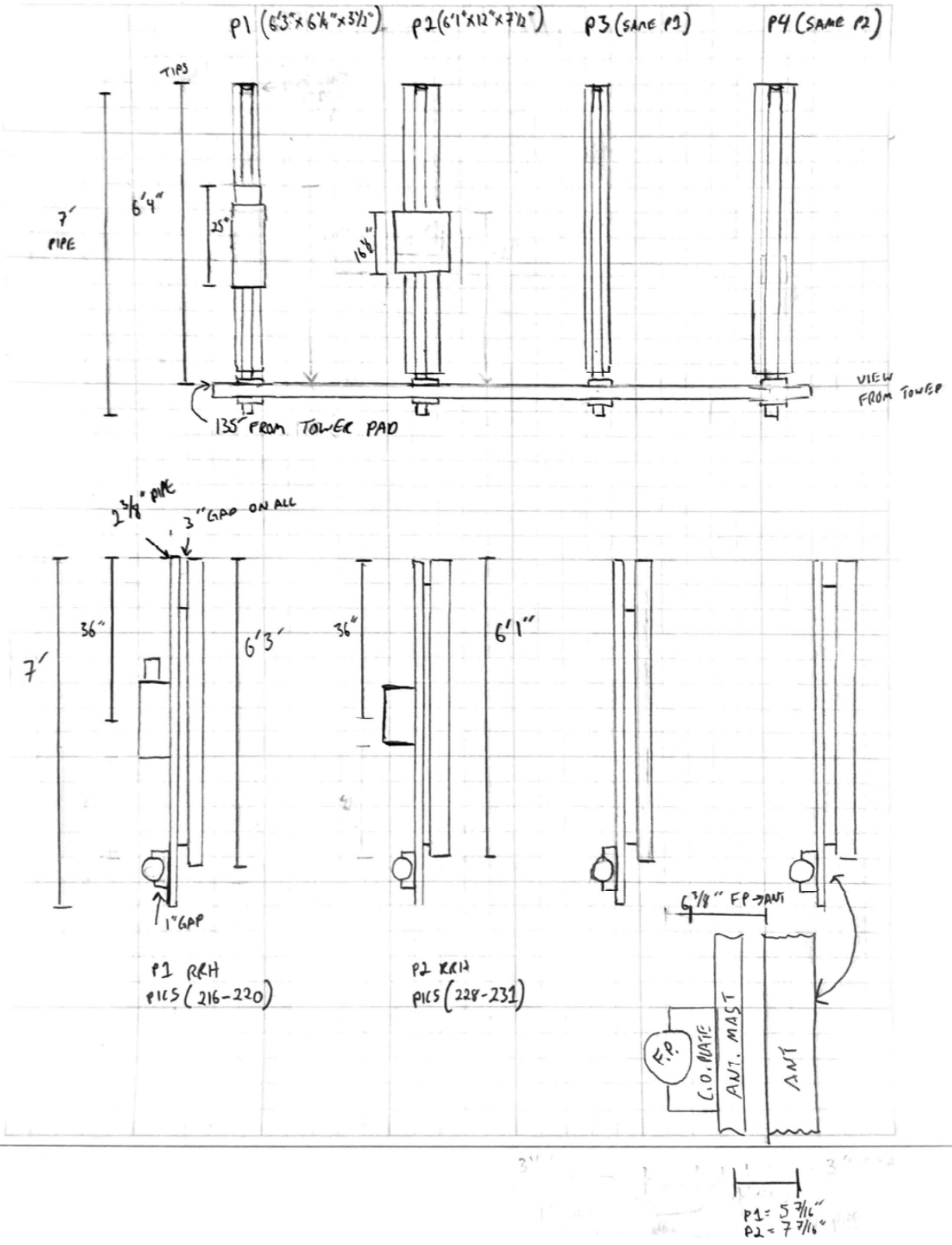
Please Insert Sketches of the Antenna Mount, cont'd

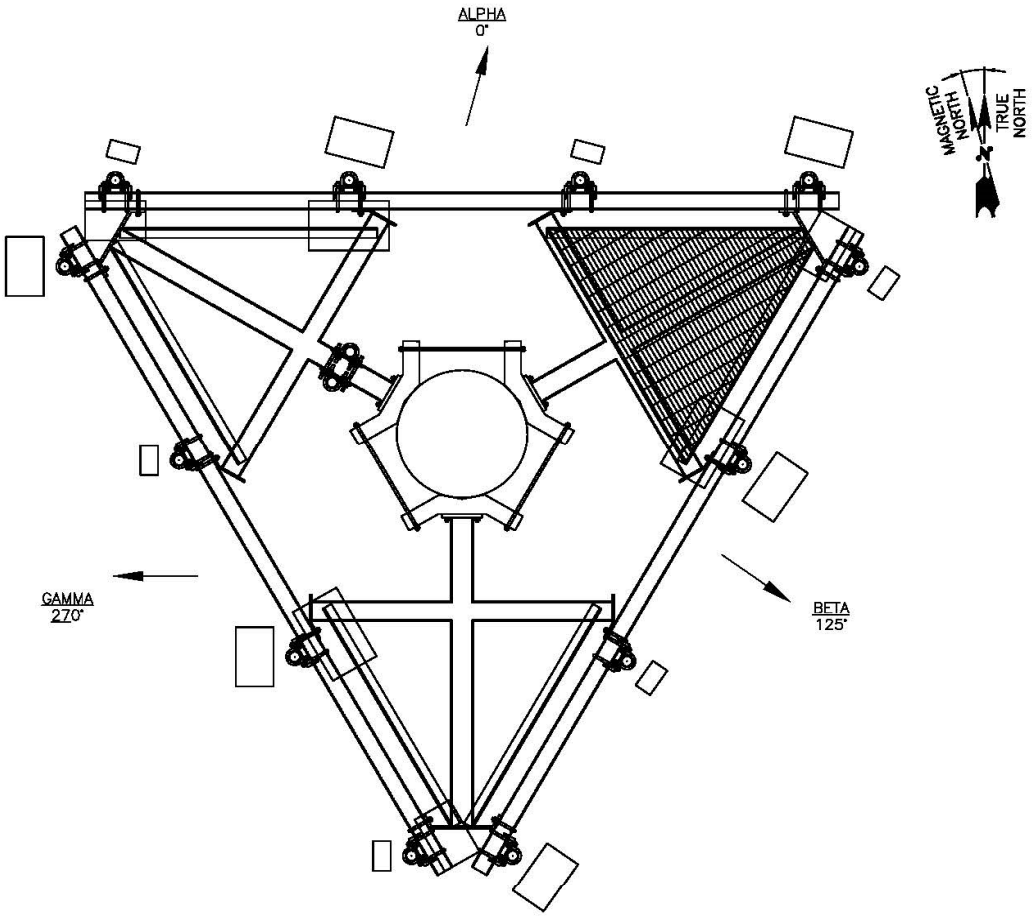
DATE: _____
Project Name: _____
Project No.: HAMDEN 8
Design By: _____ Chk'd By: _____ Page 2 of 2

ProVertic

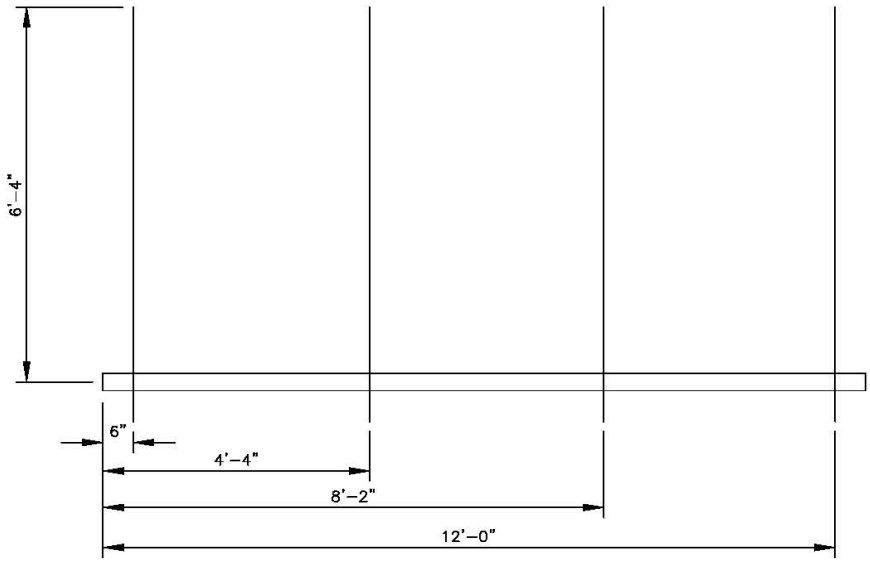


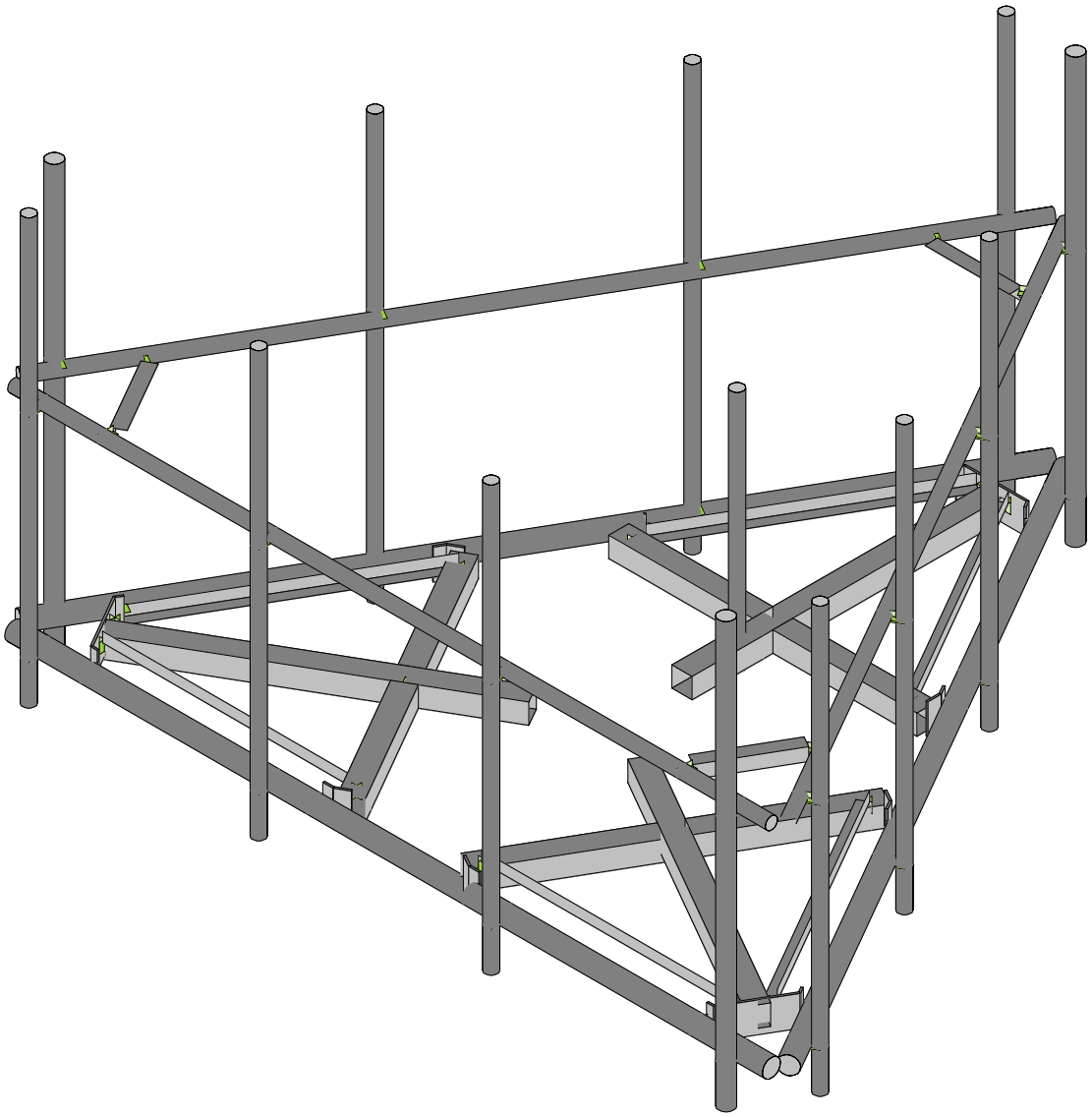
157132

Please Insert Sketches of the Antenna Mount, cont'd



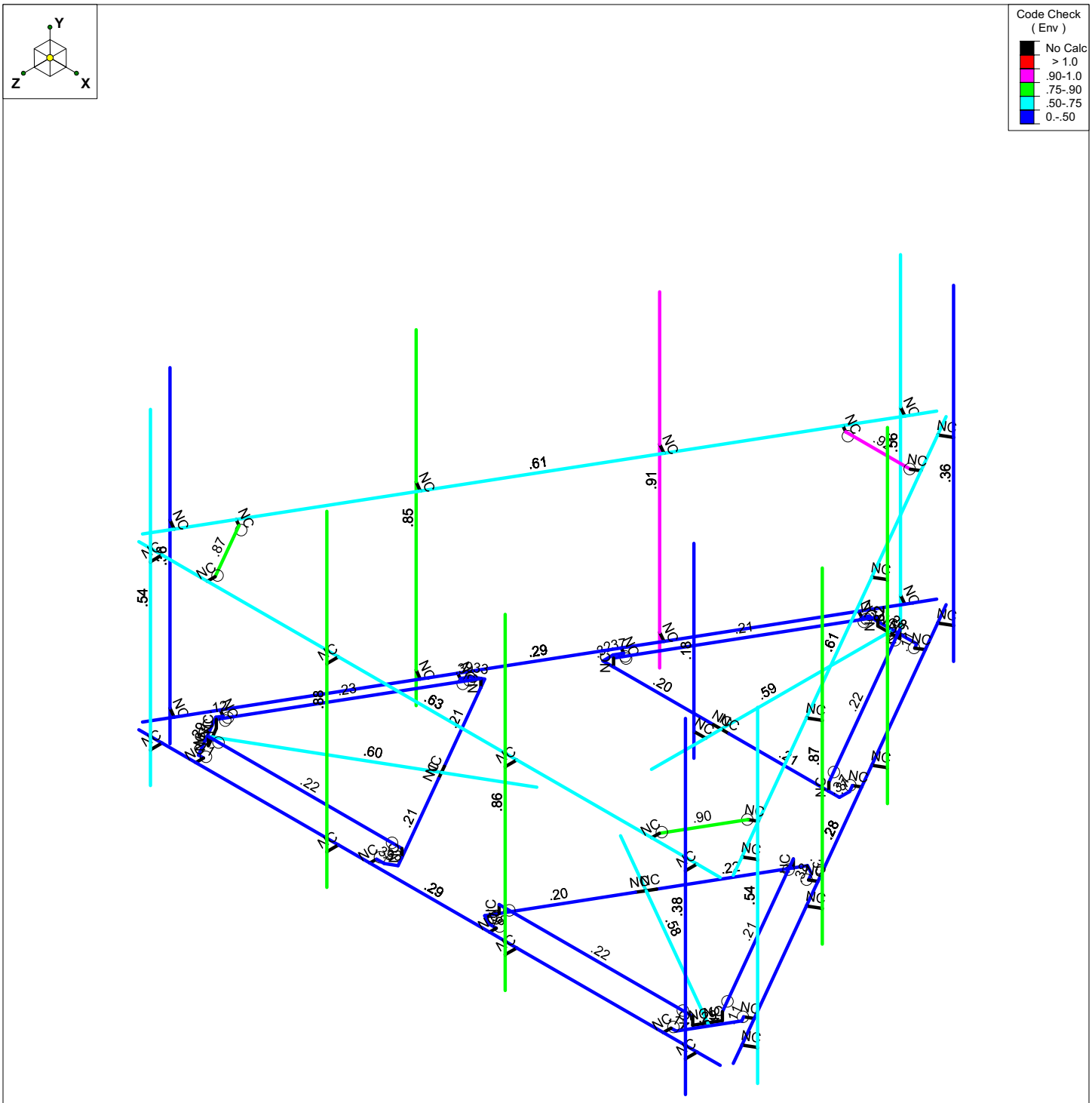
Please Insert Sketches of the Antenna Mount, cont'd





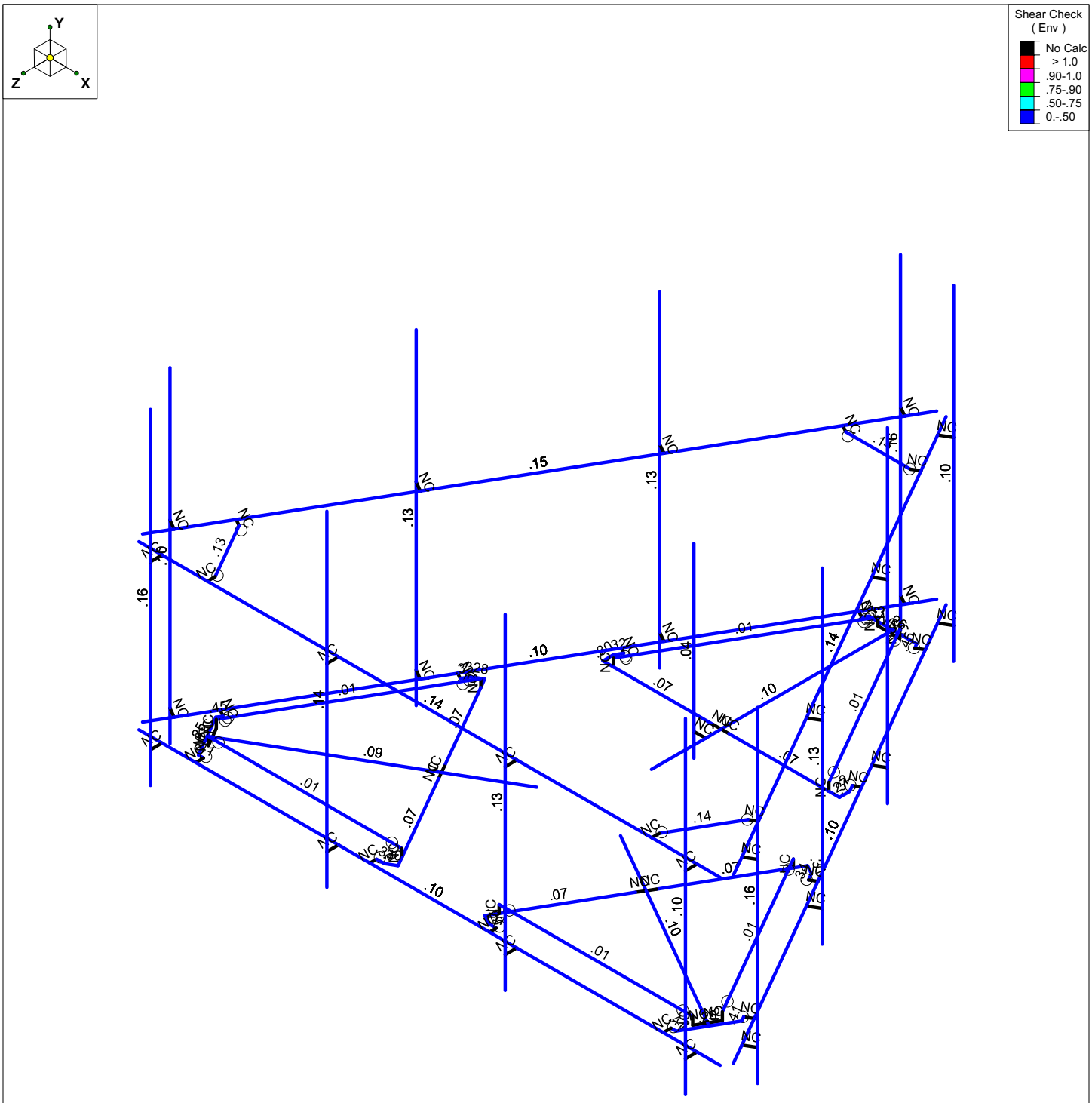
Envelope Only Solution

		SK - 1
		Apr 22, 2021 at 4:01 PM
		467276-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 2
		Apr 22, 2021 at 4:01 PM
		467276-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 3
		Apr 22, 2021 at 4:01 PM
		467276-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravi...	Y Gravi...	Z Gravity	Joint	Point	Distrib...	Area(M...	Surfac...
1	Antenna D	None					93			
2	Antenna Di	None					93			
3	Antenna Wo (0 Deg)	None					93			
4	Antenna Wo (30 Deg)	None					93			
5	Antenna Wo (60 Deg)	None					93			
6	Antenna Wo (90 Deg)	None					93			
7	Antenna Wo (120 Deg)	None					93			
8	Antenna Wo (150 Deg)	None					93			
9	Antenna Wo (180 Deg)	None					93			
10	Antenna Wo (210 Deg)	None					93			
11	Antenna Wo (240 Deg)	None					93			
12	Antenna Wo (270 Deg)	None					93			
13	Antenna Wo (300 Deg)	None					93			
14	Antenna Wo (330 Deg)	None					93			
15	Antenna Wi (0 Deg)	None					93			
16	Antenna Wi (30 Deg)	None					93			
17	Antenna Wi (60 Deg)	None					93			
18	Antenna Wi (90 Deg)	None					93			
19	Antenna Wi (120 Deg)	None					93			
20	Antenna Wi (150 Deg)	None					93			
21	Antenna Wi (180 Deg)	None					93			
22	Antenna Wi (210 Deg)	None					93			
23	Antenna Wi (240 Deg)	None					93			
24	Antenna Wi (270 Deg)	None					93			
25	Antenna Wi (300 Deg)	None					93			
26	Antenna Wi (330 Deg)	None					93			
27	Antenna Wm (0 Deg)	None					93			
28	Antenna Wm (30 Deg)	None					93			
29	Antenna Wm (60 Deg)	None					93			
30	Antenna Wm (90 Deg)	None					93			
31	Antenna Wm (120 Deg)	None					93			
32	Antenna Wm (150 Deg)	None					93			
33	Antenna Wm (180 Deg)	None					93			
34	Antenna Wm (210 Deg)	None					93			
35	Antenna Wm (240 Deg)	None					93			
36	Antenna Wm (270 Deg)	None					93			
37	Antenna Wm (300 Deg)	None					93			
38	Antenna Wm (330 Deg)	None					93			
39	Structure D	None		-1					3	
40	Structure Di	None						58	3	
41	Structure Wo (0 Deg)	None						116		
42	Structure Wo (30 Deg)	None						116		
43	Structure Wo (60 Deg)	None						116		
44	Structure Wo (90 Deg)	None						116		
45	Structure Wo (120 Deg)	None						116		
46	Structure Wo (150 Deg)	None						116		
47	Structure Wo (180 Deg)	None						116		
48	Structure Wo (210 Deg)	None						116		
49	Structure Wo (240 Deg)	None						116		
50	Structure Wo (270 Deg)	None						116		
51	Structure Wo (300 Deg)	None						116		
52	Structure Wo (330 Deg)	None						116		
53	Structure Wi (0 Deg)	None						116		
54	Structure Wi (30 Deg)	None						116		
55	Structure Wi (60 Deg)	None						116		
56	Structure Wi (90 Deg)	None						116		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravi...	Y Gravi...	Z Gravity	Joint	Point	Distrib...	Area(M...	Surfac...
57	Structure Wi (120 Deg)	None						116		
58	Structure Wi (150 Deg)	None						116		
59	Structure Wi (180 Deg)	None						116		
60	Structure Wi (210 Deg)	None						116		
61	Structure Wi (240 Deg)	None						116		
62	Structure Wi (270 Deg)	None						116		
63	Structure Wi (300 Deg)	None						116		
64	Structure Wi (330 Deg)	None						116		
65	Structure Wm (0 Deg)	None						116		
66	Structure Wm (30 Deg)	None						116		
67	Structure Wm (60 Deg)	None						116		
68	Structure Wm (90 Deg)	None						116		
69	Structure Wm (120 Deg)	None						116		
70	Structure Wm (150 Deg)	None						116		
71	Structure Wm (180 Deg)	None						116		
72	Structure Wm (210 Deg)	None						116		
73	Structure Wm (240 Deg)	None						116		
74	Structure Wm (270 Deg)	None						116		
75	Structure Wm (300 Deg)	None						116		
76	Structure Wm (330 Deg)	None						116		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Area Loads	None						30		
82	BLC 40 Transient Area Loads	None						30		

Load Combinations

	Description	S...	PDelta	S...	B...	Fa...	BLC	Fa...	BLC	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	1.2D+1.0Wo (0 Deg)	Yes	Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0Wo (30 Deg)	Yes	Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0Wo (60 Deg)	Yes	Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0Wo (90 Deg)	Yes	Y		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0Wo (120 D...	Yes	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0Wo (150 D...	Yes	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0Wo (180 D...	Yes	Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0Wo (210 D...	Yes	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0Wo (240 D...	Yes	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0Wo (270 D...	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0Wo (300 D...	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0Wo (330 D...	Yes	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										

Load Combinations (Continued)

	Description	S...	PDelta	S...	B...	Fa...	BLC	Fa...	BLC	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
27	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0...	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 + 1.0E...		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1										
54	1.2D + 1.0Ev + 1.0E...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.8...										
55	1.2D + 1.0Ev + 1.0E...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5										
56	1.2D + 1.0Ev + 1.0E...		Y		1	1.2	39	1.2	SX	1	SY	1	SZ											
57	1.2D + 1.0Ev + 1.0E...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5										
58	1.2D + 1.0Ev + 1.0E...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866										
59	1.2D + 1.0Ev + 1.0E...		Y		1	1.2	39	1.2	SX		SY	1	SZ	1										
60	1.2D + 1.0Ev + 1.0E...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866										
61	1.2D + 1.0Ev + 1.0E...		Y		1	1.2	39	1.2	SX	-.8...	SY	1	SZ	.5										
62	1.2D + 1.0Ev + 1.0E...		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ											
63	1.2D + 1.0Ev + 1.0E...		Y		1	1.2	39	1.2	SX	-.8...	SY	1	SZ	-.5										
64	1.2D + 1.0Ev + 1.0E...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	-.8...										

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diaphragm
1	N1	6.25	0	3.72719	0	
2	N2	-6.25	0	3.72719	0	
3	N3	0	0	-1.041667	0	
4	N5	-2.541667	0	-2.541667	0	
5	N6	2.315104	0.166667	-2.541667	0	
6	N7	-2.315104	0.166667	-2.541667	0	
7	N8	5.75	0	3.72719	0	
8	N9	5.75	0	3.97719	0	
9	N10	-5.75	0	3.72719	0	
10	N11	-5.75	0	3.97719	0	
11	N12	1.875	0	3.72719	0	
12	N13	1.875	0	3.97719	0	
13	N14	-1.958333	0	3.72719	0	
14	N15	-1.958333	0	3.97719	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diaphragm
15	N16	-1.958333	-0.666667	3.97719	0	
16	N17	-1.958333	6.333333	3.97719	0	
17	N18	-5.75	-0.666667	3.97719	0	
18	N19	-5.75	6.333333	3.97719	0	
19	N20	1.875	-0.666667	3.97719	0	
20	N21	1.875	6.333333	3.97719	0	
21	N22	5.75	-0.666667	3.97719	0	
22	N23	5.75	6.333333	3.97719	0	
23	N24	0	0	-2.541667	0	
24	N27	0	0	-6.229167	0	
25	CP	0	0	0	0	
26	N29	2.315104	0	-2.541667	0	
27	N30	-2.315104	0	-2.541667	0	
28	N101	2.541667	0	-2.541667	0	
29	N102	-0.166667	0	-2.541667	0	
30	N103A	0.166667	0	-2.541667	0	
31	N104A	-2.541667	0	-2.760417	0	
32	N105	2.541667	0	-2.760417	0	
33	N131	2.458333	0	-2.904754	0	
34	N135	0.571615	0	-6.13219	0	
35	N144	-2.458333	0	-2.904754	0	
36	N148	-0.571615	0	-6.13219	0	
37	N86A	2.584629	0	-2.977671	0	
38	N86B	-2.584629	0	-2.977671	0	
39	N86C	-0.515625	0	-6.229167	0	
40	N87A	0.515625	0	-6.229167	0	
41	N86D	0.715429	0	-6.215221	0	
42	N86E	-0.715429	0	-6.215221	0	
43	N88A	0	0	-6.145833	0	
44	N87C	0.234238	0.166667	-6.145833	0	
45	N86G	0.234238	0	-6.145833	0	
46	N87B	-0.234238	0.166667	-6.145833	0	
47	N88C	-0.234238	0	-6.145833	0	
48	N48	-0.90211	0	0.520833	0	
49	N49	-0.930315	0	3.471981	0	
50	N50	-3.3587	0.166667	-0.734106	0	
51	N51	-1.043596	0.166667	3.275772	0	
52	N52	-2.201148	0	1.270833	0	
53	N53	-5.394617	0	3.114583	0	
54	N54	-3.3587	0	-0.734106	0	
55	N55	-1.043596	0	3.275772	0	
56	N56	-3.471981	0	-0.930315	0	
57	N57	-2.117815	0	1.415171	0	
58	N58	-2.284481	0	1.126496	0	
59	N59	-1.119758	0	3.581356	0	
60	N60	-3.661424	0	-0.82094	0	
61	N61	-3.744758	0	-0.676602	0	
62	N62	-5.596439	0	2.571062	0	
63	N63	-1.286424	0	3.581356	0	
64	N64	-5.024825	0	3.561128	0	
65	N65	-3.871053	0	-0.749519	0	
66	N66	-1.286424	0	3.72719	0	
67	N67	-5.136804	0	3.561128	0	
68	N68	-5.652429	0	2.668039	0	
69	N69	-5.740254	0	2.488031	0	
70	N70	-5.024825	0	3.72719	0	
71	N71	-5.322448	0	3.072917	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diaphragm
72	N72	-5.439567	0.166667	2.870061	0	
73	N73	-5.439567	0	2.870061	0	
74	N74	-5.205329	0.166667	3.275772	0	
75	N75	-5.205329	0	3.275772	0	
76	N76	0.90211	0	0.520833	0	
77	N77	3.471981	0	-0.930315	0	
78	N78	1.043596	0.166667	3.275772	0	
79	N79	3.3587	0.166667	-0.734106	0	
80	N80	2.201148	0	1.270833	0	
81	N81	5.394617	0	3.114583	0	
82	N82	1.043596	0	3.275772	0	
83	N83	3.3587	0	-0.734106	0	
84	N84	0.930315	0	3.471981	0	
85	N85	2.284481	0	1.126496	0	
86	N86	2.117815	0	1.415171	0	
87	N87	3.661424	0	-0.82094	0	
88	N88	1.119758	0	3.581356	0	
89	N89	1.286424	0	3.581356	0	
90	N90	5.024825	0	3.561128	0	
91	N91	3.744758	0	-0.676602	0	
92	N92	5.596439	0	2.571062	0	
93	N93	1.286424	0	3.72719	0	
94	N94	3.871053	0	-0.749519	0	
95	N95	5.652429	0	2.668039	0	
96	N96	5.136804	0	3.561128	0	
97	N97	5.024825	0	3.72719	0	
98	N98	5.740254	0	2.488031	0	
99	N99	5.322448	0	3.072917	0	
100	N100	5.205329	0.166667	3.275772	0	
101	N101A	5.205329	0	3.275772	0	
102	N102A	5.439567	0.166667	2.870061	0	
103	N103	5.439567	0	2.870061	0	
104	N104	0.102841	0	-7.276254	0	
105	N105A	6.352841	0	3.549064	0	
106	N106	0.352841	0	-6.843241	0	
107	N107	0.569348	0	-6.968241	0	
108	N108	6.102841	0	3.116051	0	
109	N109	6.319348	0	2.991051	0	
110	N110	2.290341	0	-3.487393	0	
111	N111	2.506848	0	-3.612393	0	
112	N112	4.207008	0	-0.167629	0	
113	N113	4.423514	0	-0.292629	0	
114	N114	4.423514	-0.666667	-0.292629	0	
115	N115	4.423514	6.333333	-0.292629	0	
116	N116	6.319348	-0.666667	2.991051	0	
117	N117	6.319348	6.333333	2.991051	0	
118	N118	2.506848	-0.666667	-3.612393	0	
119	N119	2.506848	6.333333	-3.612393	0	
120	N120	0.569348	-0.666667	-6.968241	0	
121	N121	0.569348	6.333333	-6.968241	0	
122	N122	-6.352841	0	3.549064	0	
123	N123	-0.102841	0	-7.276254	0	
124	N124	-6.102841	0	3.116051	0	
125	N125	-6.319348	0	2.991051	0	
126	N126	-0.352841	0	-6.843241	0	
127	N127	-0.569348	0	-6.968241	0	
128	N128	-4.165341	0	-0.239797	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diaphragm
129	N129	-4.381848	0	-0.364797	0	
130	N130	-2.248674	0	-3.559561	0	
131	N131A	-2.465181	0	-3.684561	0	
132	N132	-2.465181	-0.666667	-3.684561	0	
133	N133	-2.465181	6.333333	-3.684561	0	
134	N134	-0.569348	-0.666667	-6.968241	0	
135	N135A	-0.569348	6.333333	-6.968241	0	
136	N136	-4.381848	-0.666667	-0.364797	0	
137	N137	-4.381848	6.333333	-0.364797	0	
138	N138	-6.319348	-0.666667	2.991051	0	
139	N139	-6.319348	6.333333	2.991051	0	
140	N140	0	0	-2.208333	0	
141	N141	-.25	0	-2.208333	0	
142	N142	-.25	3.5	-2.208333	0	
143	N143	-.25	-.5	-2.208333	0	
144	N144A	6.25	3.5	3.72719	0	
145	N145	-6.25	3.5	3.72719	0	
146	N146	5.75	3.5	3.72719	0	
147	N147	5.75	3.5	3.97719	0	
148	N148A	-5.75	3.5	3.72719	0	
149	N149	-5.75	3.5	3.97719	0	
150	N150	1.875	3.5	3.72719	0	
151	N151	1.875	3.5	3.97719	0	
152	N152	-1.958333	3.5	3.72719	0	
153	N153	-1.958333	3.5	3.97719	0	
154	N154	0.102841	3.5	-7.276254	0	
155	N155	6.352841	3.5	3.549064	0	
156	N156	0.352841	3.5	-6.843241	0	
157	N157	0.569348	3.5	-6.968241	0	
158	N158	6.102841	3.5	3.116051	0	
159	N159	6.319348	3.5	2.991051	0	
160	N160	2.290341	3.5	-3.487393	0	
161	N161	2.506848	3.5	-3.612393	0	
162	N162	4.207008	3.5	-0.167629	0	
163	N163	4.423514	3.5	-0.292629	0	
164	N164	-6.352841	3.5	3.549064	0	
165	N165	-0.102841	3.5	-7.276254	0	
166	N166	-6.102841	3.5	3.116051	0	
167	N167	-6.319348	3.5	2.991051	0	
168	N168	-0.352841	3.5	-6.843241	0	
169	N169	-0.569348	3.5	-6.968241	0	
170	N170	-4.165341	3.5	-0.239797	0	
171	N171	-4.381848	3.5	-0.364797	0	
172	N172	-2.248674	3.5	-3.559561	0	
173	N173	-2.465181	3.5	-3.684561	0	
174	N174	-4.774825	3.5	3.561128	0	
175	N175	-4.774825	3.5	3.72719	0	
176	N176	4.774825	3.5	3.561128	0	
177	N177	4.774825	3.5	3.72719	0	
178	N178	5.471439	3.5	2.354556	0	
179	N179	5.615254	3.5	2.271525	0	
180	N180	0.696615	3.5	-5.915684	0	
181	N181	0.840429	3.5	-5.998715	0	
182	N182	-0.696615	3.5	-5.915684	0	
183	N183	-0.840429	3.5	-5.998715	0	
184	N184	-5.471439	3.5	2.354556	0	
185	N185	-5.615254	3.5	2.271525	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	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	PL3/8x6	Beam	BAR	A36 Gr.36	Typical	2.25	.026	6.75	.101
4	Platform Crossmember	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	Support Rail	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
9	Support Rail Angle	L2.5x2.5x4	Column	Single Angle	A36 Gr.36	Typical	1.19	.692	.692	.026
10	Proposed Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
11	Mod Pipe	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(de...	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N1	N2			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
2	M4	N3	N27			Standoff Horizontal	Beam	SquareTube	A500 Gr....	Typical
3	M10	N101	N103A			Platform Crossmember	Beam	SquareTube	A500 Gr....	Typical
4	M19	N8	N9			RIGID	None	None	RIGID	Typical
5	M20	N10	N11			RIGID	None	None	RIGID	Typical
6	M21	N12	N13			RIGID	None	None	RIGID	Typical
7	M22	N14	N15			RIGID	None	None	RIGID	Typical
8	MP3A	N17	N16			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
9	MP4A	N19	N18			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
10	MP2A	N21	N20			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
11	MP1A	N23	N22			Mod Pipe	Column	Pipe	A53 Gr.B	Typical
12	M43	N102	N5			Platform Crossmember	Beam	SquareTube	A500 Gr....	Typical
13	M46	N86C	N87A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
14	M35A	N7	N30			RIGID	None	None	RIGID	Typical
15	M36A	N6	N29			RIGID	None	None	RIGID	Typical
16	M51B	N87C	N6			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
17	M52B	N7	N87B			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
18	M52	N87B	N88C			RIGID	None	None	RIGID	Typical
19	M58	N102	N24			RIGID	None	None	RIGID	Typical
20	M59	N24	N103A			RIGID	None	None	RIGID	Typical
21	M76	N101	N105			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
22	M77	N105	N131			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
23	M79	N131	N86A			RIGID	None	None	RIGID	Typical
24	M80	N87A	N135			Corner Plate	Beam	BAR	A36 Gr.36	Typical
25	M83	N135	N86D			RIGID	None	None	RIGID	Typical
26	M84	N5	N104A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
27	M85	N104A	N144			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
28	M88	N144	N86B			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(de...	Section/Shape	Type	Design List	Material	Design Rules
29	M91	N86C	N148			Corner Plate	Beam	BAR	A36 Gr.36	Typical
30	M92	N148	N86E			RIGID	None	None	RIGID	Typical
31	M50	N88C	N88A			RIGID	None	None	RIGID	Typical
32	M51	N88A	N86G			RIGID	None	None	RIGID	Typical
33	M51A	N87C	N86G			RIGID	None	None	RIGID	Typical
34	M34	N48	N53			Standoff Horizontal	Beam	SquareTube	A500 Gr....	Typical
35	M35	N56	N58			Platform Crossmember	Beam	SquareTube	A500 Gr....	Typical
36	M36	N57	N49			Platform Crossmember	Beam	SquareTube	A500 Gr....	Typical
37	M37	N67	N68			Corner Plate	Beam	BAR	A36 Gr.36	Typical
38	M38	N51	N55			RIGID	None	None	RIGID	Typical
39	M39	N50	N54			RIGID	None	None	RIGID	Typical
40	M40	N72	N50			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
41	M41	N51	N74			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
42	M42	N74	N75			RIGID	None	None	RIGID	Typical
43	M43A	N57	N52			RIGID	None	None	RIGID	Typical
44	M44	N52	N58			RIGID	None	None	RIGID	Typical
45	M45	N56	N60			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
46	M46A	N60	N61			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
47	M47	N61	N65			RIGID	None	None	RIGID	Typical
48	M48	N68	N62			Corner Plate	Beam	BAR	A36 Gr.36	Typical
49	M49	N62	N69			RIGID	None	None	RIGID	Typical
50	M50A	N49	N59			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
51	M51C	N59	N63			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
52	M52A	N63	N66			RIGID	None	None	RIGID	Typical
53	M53	N67	N64			Corner Plate	Beam	BAR	A36 Gr.36	Typical
54	M54	N64	N70			RIGID	None	None	RIGID	Typical
55	M55	N75	N71			RIGID	None	None	RIGID	Typical
56	M56	N71	N73			RIGID	None	None	RIGID	Typical
57	M57	N72	N73			RIGID	None	None	RIGID	Typical
58	M58A	N76	N81			Standoff Horizontal	Beam	SquareTube	A500 Gr....	Typical
59	M59A	N84	N86			Platform Crossmember	Beam	SquareTube	A500 Gr....	Typical
60	M60	N85	N77			Platform Crossmember	Beam	SquareTube	A500 Gr....	Typical
61	M61	N95	N96			Corner Plate	Beam	BAR	A36 Gr.36	Typical
62	M62	N79	N83			RIGID	None	None	RIGID	Typical
63	M63	N78	N82			RIGID	None	None	RIGID	Typical
64	M64	N100	N78			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
65	M65	N79	N102A			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
66	M66	N102A	N103			RIGID	None	None	RIGID	Typical
67	M67	N85	N80			RIGID	None	None	RIGID	Typical
68	M68	N80	N86			RIGID	None	None	RIGID	Typical
69	M69	N84	N88			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
70	M70	N88	N89			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
71	M71	N89	N93			RIGID	None	None	RIGID	Typical
72	M72	N96	N90			Corner Plate	Beam	BAR	A36 Gr.36	Typical
73	M73	N90	N97			RIGID	None	None	RIGID	Typical
74	M74	N77	N87			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
75	M75	N87	N91			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
76	M76A	N91	N94			RIGID	None	None	RIGID	Typical
77	M77A	N95	N92			Corner Plate	Beam	BAR	A36 Gr.36	Typical
78	M78	N92	N98			RIGID	None	None	RIGID	Typical
79	M79A	N103	N99			RIGID	None	None	RIGID	Typical
80	M80A	N99	N101A			RIGID	None	None	RIGID	Typical
81	M81	N100	N101A			RIGID	None	None	RIGID	Typical
82	M82	N104	N105A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
83	M83A	N106	N107			RIGID	None	None	RIGID	Typical
84	M84A	N108	N109			RIGID	None	None	RIGID	Typical
85	M85A	N110	N111			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(de...	Section/Shape	Type	Design List	Material	Design Rules
86	M86	N112	N113			RIGID	None	None	RIGID	Typical
87	MP3C	N115	N114			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
88	MP4C	N117	N116			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
89	MP2C	N119	N118			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
90	MP1C	N121	N120			Mod Pipe	Column	Pipe	A53 Gr.B	Typical
91	M91A	N122	N123			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
92	M92A	N124	N125			RIGID	None	None	RIGID	Typical
93	M93	N126	N127			RIGID	None	None	RIGID	Typical
94	M94	N128	N129			RIGID	None	None	RIGID	Typical
95	M95	N130	N131A			RIGID	None	None	RIGID	Typical
96	MP3B	N133	N132			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
97	MP4B	N135A	N134			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
98	MP2B	N137	N136			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
99	MP1B	N139	N138			Mod Pipe	Column	Pipe	A53 Gr.B	Typical
100	M100	N140	N141			RIGID	None	None	RIGID	Typical
101	R1	N142	N143			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
102	M102	N144A	N145			Support Rail	Column	Pipe	A53 Gr.B	Typical
103	M103	N146	N147			RIGID	None	None	RIGID	Typical
104	M104	N148A	N149			RIGID	None	None	RIGID	Typical
105	M105	N150	N151			RIGID	None	None	RIGID	Typical
106	M106	N152	N153			RIGID	None	None	RIGID	Typical
107	M107	N154	N155			Support Rail	Column	Pipe	A53 Gr.B	Typical
108	M108	N156	N157			RIGID	None	None	RIGID	Typical
109	M109	N158	N159			RIGID	None	None	RIGID	Typical
110	M110	N160	N161			RIGID	None	None	RIGID	Typical
111	M111	N162	N163			RIGID	None	None	RIGID	Typical
112	M112	N164	N165			Support Rail	Column	Pipe	A53 Gr.B	Typical
113	M113	N166	N167			RIGID	None	None	RIGID	Typical
114	M114	N168	N169			RIGID	None	None	RIGID	Typical
115	M115	N170	N171			RIGID	None	None	RIGID	Typical
116	M116	N172	N173			RIGID	None	None	RIGID	Typical
117	M117	N174	N175			RIGID	None	None	RIGID	Typical
118	M118	N176	N177			RIGID	None	None	RIGID	Typical
119	M119	N178	N179			RIGID	None	None	RIGID	Typical
120	M120	N180	N181			RIGID	None	None	RIGID	Typical
121	M121	N182	N183			RIGID	None	None	RIGID	Typical
122	M122	N184	N185			RIGID	None	None	RIGID	Typical
123	M123	N184	N174		180	Support Rail Angle	Column	Single Angle	A36 Gr.36	Typical
124	M124	N176	N178		180	Support Rail Angle	Column	Single Angle	A36 Gr.36	Typical
125	M125	N180	N182		180	Support Rail Angle	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	Default			None
2	M4						Yes				None
3	M10						Yes	Default			None
4	M19						Yes	** NA **			None
5	M20						Yes	** NA **			None
6	M21						Yes	** NA **			None
7	M22						Yes	** NA **			None
8	MP3A						Yes	** NA **			None
9	MP4A						Yes	** NA **			None
10	MP2A						Yes	** NA **			None
11	MP1A						Yes	** NA **			None
12	M43						Yes	Default			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...
13	M46						Yes	Default			None
14	M35A						Yes	** NA **			None
15	M36A						Yes	** NA **			None
16	M51B	OOOOOX	OOOOOX				Yes	Default			None
17	M52B	OOOOOX	OOOOOX				Yes	Default			None
18	M52						Yes	** NA **			None
19	M58						Yes	** NA **			None
20	M59						Yes	** NA **			None
21	M76						Yes	** NA **			None
22	M77						Yes	** NA **			None
23	M79		BenPIN				Yes	** NA **			None
24	M80						Yes				None
25	M83		BenPIN				Yes	** NA **			None
26	M84						Yes	** NA **			None
27	M85						Yes	** NA **			None
28	M88		BenPIN				Yes	** NA **			None
29	M91						Yes				None
30	M92		BenPIN				Yes	** NA **			None
31	M50						Yes	** NA **			None
32	M51						Yes	** NA **			None
33	M51A						Yes	** NA **			None
34	M34						Yes				None
35	M35						Yes	Default			None
36	M36						Yes	Default			None
37	M37						Yes	Default			None
38	M38						Yes	** NA **			None
39	M39						Yes	** NA **			None
40	M40	OOOOOX	OOOOOX				Yes	Default			None
41	M41	OOOOOX	OOOOOX				Yes	Default			None
42	M42						Yes	** NA **			None
43	M43A						Yes	** NA **			None
44	M44						Yes	** NA **			None
45	M45						Yes	** NA **			None
46	M46A						Yes	** NA **			None
47	M47		BenPIN				Yes	** NA **			None
48	M48						Yes				None
49	M49		BenPIN				Yes	** NA **			None
50	M50A						Yes	** NA **			None
51	M51C						Yes	** NA **			None
52	M52A		BenPIN				Yes	** NA **			None
53	M53						Yes				None
54	M54		BenPIN				Yes	** NA **			None
55	M55						Yes	** NA **			None
56	M56						Yes	** NA **			None
57	M57						Yes	** NA **			None
58	M58A						Yes				None
59	M59A						Yes	Default			None
60	M60						Yes	Default			None
61	M61						Yes	Default			None
62	M62						Yes	** NA **			None
63	M63						Yes	** NA **			None
64	M64	OOOOOX	OOOOOX				Yes	Default			None
65	M65	OOOOOX	OOOOOX				Yes	Default			None
66	M66						Yes	** NA **			None
67	M67						Yes	** NA **			None
68	M68						Yes	** NA **			None
69	M69						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...
70	M70						Yes	** NA **			None
71	M71		BenPIN				Yes	** NA **			None
72	M72						Yes				None
73	M73		BenPIN				Yes	** NA **			None
74	M74						Yes	** NA **			None
75	M75						Yes	** NA **			None
76	M76A		BenPIN				Yes	** NA **			None
77	M77A						Yes				None
78	M78		BenPIN				Yes	** NA **			None
79	M79A						Yes	** NA **			None
80	M80A						Yes	** NA **			None
81	M81						Yes	** NA **			None
82	M82						Yes	Default			None
83	M83A						Yes	** NA **			None
84	M84A						Yes	** NA **			None
85	M85A						Yes	** NA **			None
86	M86						Yes	** NA **			None
87	MP3C						Yes	** NA **			None
88	MP4C						Yes	** NA **			None
89	MP2C						Yes	** NA **			None
90	MP1C						Yes	** NA **			None
91	M91A						Yes	Default			None
92	M92A						Yes	** NA **			None
93	M93						Yes	** NA **			None
94	M94						Yes	** NA **			None
95	M95						Yes	** NA **			None
96	MP3B						Yes	** NA **			None
97	MP4B						Yes	** NA **			None
98	MP2B						Yes	** NA **			None
99	MP1B						Yes	** NA **			None
100	M100						Yes	** NA **			None
101	R1						Yes	** NA **			None
102	M102						Yes	** NA **			None
103	M103						Yes	** NA **			None
104	M104						Yes	** NA **			None
105	M105						Yes	** NA **			None
106	M106						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						Yes	** NA **			None
113	M113						Yes	** NA **			None
114	M114						Yes	** NA **			None
115	M115						Yes	** NA **			None
116	M116						Yes	** NA **			None
117	M117		OOOOOO				Yes	** NA **			None
118	M118		OOOOOO				Yes	** NA **			None
119	M119		OOOOOO				Yes	** NA **			None
120	M120		OOOOOO				Yes	** NA **			None
121	M121		OOOOOO				Yes	** NA **			None
122	M122		OOOOOO				Yes	** NA **			None
123	M123						Yes	** NA **			None
124	M124						Yes	** NA **			None
125	M125						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-23	.5
2	MP1A	My	-.011	.5
3	MP1A	Mz	.015	.5
4	MP1A	Y	-23	6
5	MP1A	My	-.011	6
6	MP1A	Mz	.015	6
7	MP1B	Y	-23	.5
8	MP1B	My	-.013	.5
9	MP1B	Mz	-.014	.5
10	MP1B	Y	-23	6
11	MP1B	My	-.013	6
12	MP1B	Mz	-.014	6
13	MP1C	Y	-23	.5
14	MP1C	My	.019	.5
15	MP1C	Mz	.002	.5
16	MP1C	Y	-23	6
17	MP1C	My	.019	6
18	MP1C	Mz	.002	6
19	MP1A	Y	-23	.5
20	MP1A	My	-.011	.5
21	MP1A	Mz	-.015	.5
22	MP1A	Y	-23	6
23	MP1A	My	-.011	6
24	MP1A	Mz	-.015	6
25	MP1B	Y	-23	.5
26	MP1B	My	.017	.5
27	MP1B	Mz	-.009	.5
28	MP1B	Y	-23	6
29	MP1B	My	.017	6
30	MP1B	Mz	-.009	6
31	MP1C	Y	-23	.5
32	MP1C	My	-.008	.5
33	MP1C	Mz	.018	.5
34	MP1C	Y	-23	6
35	MP1C	My	-.008	6
36	MP1C	Mz	.018	6
37	MP3A	Y	-43.55	2.25
38	MP3A	My	-.022	2.25
39	MP3A	Mz	0	2.25
40	MP3A	Y	-43.55	4.25
41	MP3A	My	-.022	4.25
42	MP3A	Mz	0	4.25
43	MP3B	Y	-43.55	2.25
44	MP3B	My	.004	2.25
45	MP3B	Mz	-.021	2.25
46	MP3B	Y	-43.55	4.25
47	MP3B	My	.004	4.25
48	MP3B	Mz	-.021	4.25
49	MP3C	Y	-43.55	2.25
50	MP3C	My	.011	2.25
51	MP3C	Mz	.019	2.25
52	MP3C	Y	-43.55	4.25
53	MP3C	My	.011	4.25
54	MP3C	Mz	.019	4.25
55	MP4A	Y	-9.35	.75
56	MP4A	My	-.005	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
57	MP4A	Mz	0	.75
58	MP4A	Y	-9.35	5.75
59	MP4A	My	-.005	5.75
60	MP4A	Mz	0	5.75
61	MP4B	Y	-9.35	.75
62	MP4B	My	.000812	.75
63	MP4B	Mz	-.005	.75
64	MP4B	Y	-9.35	5.75
65	MP4B	My	.000812	5.75
66	MP4B	Mz	-.005	5.75
67	MP4C	Y	-9.35	.75
68	MP4C	My	.002	.75
69	MP4C	Mz	.004	.75
70	MP4C	Y	-9.35	5.75
71	MP4C	My	.002	5.75
72	MP4C	Mz	.004	5.75
73	R1	Y	-32	1.5
74	R1	My	-.008	1.5
75	R1	Mz	.014	1.5
76	MP2A	Y	-70.3	4
77	MP2A	My	.035	4
78	MP2A	Mz	0	4
79	MP2B	Y	-70.3	4
80	MP2B	My	-.006	4
81	MP2B	Mz	.035	4
82	MP2C	Y	-70.3	4
83	MP2C	My	-.018	4
84	MP2C	Mz	-.03	4
85	MP1A	Y	-84.4	4
86	MP1A	My	.042	4
87	MP1A	Mz	0	4
88	MP1B	Y	-84.4	4
89	MP1B	My	-.007	4
90	MP1B	Mz	.042	4
91	MP1C	Y	-84.4	4
92	MP1C	My	-.021	4
93	MP1C	Mz	-.037	4

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-82.579	.5
2	MP1A	My	-.041	.5
3	MP1A	Mz	.055	.5
4	MP1A	Y	-82.579	6
5	MP1A	My	-.041	6
6	MP1A	Mz	.055	6
7	MP1B	Y	-82.579	.5
8	MP1B	My	-.047	.5
9	MP1B	Mz	-.05	.5
10	MP1B	Y	-82.579	6
11	MP1B	My	-.047	6
12	MP1B	Mz	-.05	6
13	MP1C	Y	-82.579	.5
14	MP1C	My	.068	.5
15	MP1C	Mz	.008	.5
16	MP1C	Y	-82.579	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP1C	My	.068	6
18	MP1C	Mz	.008	6
19	MP1A	Y	-82.579	.5
20	MP1A	My	-.041	.5
21	MP1A	Mz	-.055	.5
22	MP1A	Y	-82.579	6
23	MP1A	My	-.041	6
24	MP1A	Mz	-.055	6
25	MP1B	Y	-82.579	.5
26	MP1B	My	.061	.5
27	MP1B	Mz	-.031	.5
28	MP1B	Y	-82.579	6
29	MP1B	My	.061	6
30	MP1B	Mz	-.031	6
31	MP1C	Y	-82.579	.5
32	MP1C	My	-.027	.5
33	MP1C	Mz	.063	.5
34	MP1C	Y	-82.579	6
35	MP1C	My	-.027	6
36	MP1C	Mz	.063	6
37	MP3A	Y	-35.664	2.25
38	MP3A	My	-.018	2.25
39	MP3A	Mz	0	2.25
40	MP3A	Y	-35.664	4.25
41	MP3A	My	-.018	4.25
42	MP3A	Mz	0	4.25
43	MP3B	Y	-35.664	2.25
44	MP3B	My	.003	2.25
45	MP3B	Mz	-.018	2.25
46	MP3B	Y	-35.664	4.25
47	MP3B	My	.003	4.25
48	MP3B	Mz	-.018	4.25
49	MP3C	Y	-35.664	2.25
50	MP3C	My	.009	2.25
51	MP3C	Mz	.015	2.25
52	MP3C	Y	-35.664	4.25
53	MP3C	My	.009	4.25
54	MP3C	Mz	.015	4.25
55	MP4A	Y	-34.45	.75
56	MP4A	My	-.017	.75
57	MP4A	Mz	0	.75
58	MP4A	Y	-34.45	5.75
59	MP4A	My	-.017	5.75
60	MP4A	Mz	0	5.75
61	MP4B	Y	-34.45	.75
62	MP4B	My	.003	.75
63	MP4B	Mz	-.017	.75
64	MP4B	Y	-34.45	5.75
65	MP4B	My	.003	5.75
66	MP4B	Mz	-.017	5.75
67	MP4C	Y	-34.45	.75
68	MP4C	My	.009	.75
69	MP4C	Mz	.015	.75
70	MP4C	Y	-34.45	5.75
71	MP4C	My	.009	5.75
72	MP4C	Mz	.015	5.75
73	R1	Y	-63.766	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	R1	My	-.016	1.5
75	R1	Mz	.028	1.5
76	MP2A	Y	-40.438	4
77	MP2A	My	.02	4
78	MP2A	Mz	0	4
79	MP2B	Y	-40.438	4
80	MP2B	My	-.004	4
81	MP2B	Mz	.02	4
82	MP2C	Y	-40.438	4
83	MP2C	My	-.01	4
84	MP2C	Mz	-.018	4
85	MP1A	Y	-44.965	4
86	MP1A	My	.022	4
87	MP1A	Mz	0	4
88	MP1B	Y	-44.965	4
89	MP1B	My	-.004	4
90	MP1B	Mz	.022	4
91	MP1C	Y	-44.965	4
92	MP1C	My	-.011	4
93	MP1C	Mz	-.019	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	-211.268	.5
3	MP1A	Mx	-.141	.5
4	MP1A	X	0	6
5	MP1A	Z	-211.268	6
6	MP1A	Mx	-.141	6
7	MP1B	X	0	.5
8	MP1B	Z	-158.704	.5
9	MP1B	Mx	.097	.5
10	MP1B	X	0	6
11	MP1B	Z	-158.704	6
12	MP1B	Mx	.097	6
13	MP1C	X	0	.5
14	MP1C	Z	-170.619	.5
15	MP1C	Mx	-.017	.5
16	MP1C	X	0	6
17	MP1C	Z	-170.619	6
18	MP1C	Mx	-.017	6
19	MP1A	X	0	.5
20	MP1A	Z	-211.268	.5
21	MP1A	Mx	.141	.5
22	MP1A	X	0	6
23	MP1A	Z	-211.268	6
24	MP1A	Mx	.141	6
25	MP1B	X	0	.5
26	MP1B	Z	-158.704	.5
27	MP1B	Mx	.06	.5
28	MP1B	X	0	6
29	MP1B	Z	-158.704	6
30	MP1B	Mx	.06	6
31	MP1C	X	0	.5
32	MP1C	Z	-170.619	.5
33	MP1C	Mx	-.131	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP1C	X	0	6
35	MP1C	Z	-170.619	6
36	MP1C	Mx	-.131	6
37	MP3A	X	0	2.25
38	MP3A	Z	-100.604	2.25
39	MP3A	Mx	0	2.25
40	MP3A	X	0	4.25
41	MP3A	Z	-100.604	4.25
42	MP3A	Mx	0	4.25
43	MP3B	X	0	2.25
44	MP3B	Z	-41.232	2.25
45	MP3B	Mx	.02	2.25
46	MP3B	X	0	4.25
47	MP3B	Z	-41.232	4.25
48	MP3B	Mx	.02	4.25
49	MP3C	X	0	2.25
50	MP3C	Z	-54.691	2.25
51	MP3C	Mx	-.024	2.25
52	MP3C	X	0	4.25
53	MP3C	Z	-54.691	4.25
54	MP3C	Mx	-.024	4.25
55	MP4A	X	0	.75
56	MP4A	Z	-113.233	.75
57	MP4A	Mx	0	.75
58	MP4A	X	0	5.75
59	MP4A	Z	-113.233	5.75
60	MP4A	Mx	0	5.75
61	MP4B	X	0	.75
62	MP4B	Z	-71.945	.75
63	MP4B	Mx	.035	.75
64	MP4B	X	0	5.75
65	MP4B	Z	-71.945	5.75
66	MP4B	Mx	.035	5.75
67	MP4C	X	0	.75
68	MP4C	Z	-81.304	.75
69	MP4C	Mx	-.035	.75
70	MP4C	X	0	5.75
71	MP4C	Z	-81.304	5.75
72	MP4C	Mx	-.035	5.75
73	R1	X	0	1.5
74	R1	Z	-95.6	1.5
75	R1	Mx	-.041	1.5
76	MP2A	X	0	4
77	MP2A	Z	-80.055	4
78	MP2A	Mx	0	4
79	MP2B	X	0	4
80	MP2B	Z	-44.452	4
81	MP2B	Mx	-.022	4
82	MP2C	X	0	4
83	MP2C	Z	-52.523	4
84	MP2C	Mx	.023	4
85	MP1A	X	0	4
86	MP1A	Z	-80.055	4
87	MP1A	Mx	0	4
88	MP1B	X	0	4
89	MP1B	Z	-54.313	4
90	MP1B	Mx	-.027	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP1C	X	0	4
92	MP1C	Z	-60.148	4
93	MP1C	Mx	.026	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	98.859	.5
2	MP1A	Z	-171.229	.5
3	MP1A	Mx	-.164	.5
4	MP1A	X	98.859	6
5	MP1A	Z	-171.229	6
6	MP1A	Mx	-.164	6
7	MP1B	X	81.705	.5
8	MP1B	Z	-141.517	.5
9	MP1B	Mx	.04	.5
10	MP1B	X	81.705	6
11	MP1B	Z	-141.517	6
12	MP1B	Mx	.04	6
13	MP1C	X	98.859	.5
14	MP1C	Z	-171.229	.5
15	MP1C	Mx	.065	.5
16	MP1C	X	98.859	6
17	MP1C	Z	-171.229	6
18	MP1C	Mx	.065	6
19	MP1A	X	98.859	.5
20	MP1A	Z	-171.229	.5
21	MP1A	Mx	.065	.5
22	MP1A	X	98.859	6
23	MP1A	Z	-171.229	6
24	MP1A	Mx	.065	6
25	MP1B	X	81.705	.5
26	MP1B	Z	-141.517	.5
27	MP1B	Mx	.114	.5
28	MP1B	X	81.705	6
29	MP1B	Z	-141.517	6
30	MP1B	Mx	.114	6
31	MP1C	X	98.859	.5
32	MP1C	Z	-171.229	.5
33	MP1C	Mx	-.164	.5
34	MP1C	X	98.859	6
35	MP1C	Z	-171.229	6
36	MP1C	Mx	-.164	6
37	MP3A	X	42.65	2.25
38	MP3A	Z	-73.871	2.25
39	MP3A	Mx	-.021	2.25
40	MP3A	X	42.65	4.25
41	MP3A	Z	-73.871	4.25
42	MP3A	Mx	-.021	4.25
43	MP3B	X	23.274	2.25
44	MP3B	Z	-40.311	2.25
45	MP3B	Mx	.022	2.25
46	MP3B	X	23.274	4.25
47	MP3B	Z	-40.311	4.25
48	MP3B	Mx	.022	4.25
49	MP3C	X	42.65	2.25
50	MP3C	Z	-73.871	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
51	MP3C	Mx	-.021	2.25
52	MP3C	X	42.65	4.25
53	MP3C	Z	-73.871	4.25
54	MP3C	Mx	-.021	4.25
55	MP4A	X	51.295	.75
56	MP4A	Z	-88.846	.75
57	MP4A	Mx	-.026	.75
58	MP4A	X	51.295	5.75
59	MP4A	Z	-88.846	5.75
60	MP4A	Mx	-.026	5.75
61	MP4B	X	37.821	.75
62	MP4B	Z	-65.507	.75
63	MP4B	Mx	.036	.75
64	MP4B	X	37.821	5.75
65	MP4B	Z	-65.507	5.75
66	MP4B	Mx	.036	5.75
67	MP4C	X	51.295	.75
68	MP4C	Z	-88.846	.75
69	MP4C	Mx	-.026	.75
70	MP4C	X	51.295	5.75
71	MP4C	Z	-88.846	5.75
72	MP4C	Mx	-.026	5.75
73	R1	X	42.257	1.5
74	R1	Z	-73.192	1.5
75	R1	Mx	-.042	1.5
76	MP2A	X	35.439	4
77	MP2A	Z	-61.382	4
78	MP2A	Mx	.018	4
79	MP2B	X	23.82	4
80	MP2B	Z	-41.257	4
81	MP2B	Mx	-.022	4
82	MP2C	X	35.439	4
83	MP2C	Z	-61.382	4
84	MP2C	Mx	.018	4
85	MP1A	X	36.71	4
86	MP1A	Z	-63.583	4
87	MP1A	Mx	.018	4
88	MP1B	X	28.309	4
89	MP1B	Z	-49.032	4
90	MP1B	Mx	-.027	4
91	MP1C	X	36.71	4
92	MP1C	Z	-63.583	4
93	MP1C	Mx	.018	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	147.761	.5
2	MP1A	Z	-85.31	.5
3	MP1A	Mx	-.131	.5
4	MP1A	X	147.761	6
5	MP1A	Z	-85.31	6
6	MP1A	Mx	-.131	6
7	MP1B	X	163.57	.5
8	MP1B	Z	-94.437	.5
9	MP1B	Mx	-.036	.5
10	MP1B	X	163.57	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP1B	Z	-94.437	6
12	MP1B	Mx	-.036	6
13	MP1C	X	182.964	.5
14	MP1C	Z	-105.634	.5
15	MP1C	Mx	.141	.5
16	MP1C	X	182.964	6
17	MP1C	Z	-105.634	6
18	MP1C	Mx	.141	6
19	MP1A	X	147.761	.5
20	MP1A	Z	-85.31	.5
21	MP1A	Mx	-.017	.5
22	MP1A	X	147.761	6
23	MP1A	Z	-85.31	6
24	MP1A	Mx	-.017	6
25	MP1B	X	163.57	.5
26	MP1B	Z	-94.437	.5
27	MP1B	Mx	.157	.5
28	MP1B	X	163.57	6
29	MP1B	Z	-94.437	6
30	MP1B	Mx	.157	6
31	MP1C	X	182.964	.5
32	MP1C	Z	-105.634	.5
33	MP1C	Mx	-.141	.5
34	MP1C	X	182.964	6
35	MP1C	Z	-105.634	6
36	MP1C	Mx	-.141	6
37	MP3A	X	47.363	2.25
38	MP3A	Z	-27.345	2.25
39	MP3A	Mx	-.024	2.25
40	MP3A	X	47.363	4.25
41	MP3A	Z	-27.345	4.25
42	MP3A	Mx	-.024	4.25
43	MP3B	X	65.221	2.25
44	MP3B	Z	-37.655	2.25
45	MP3B	Mx	.024	2.25
46	MP3B	X	65.221	4.25
47	MP3B	Z	-37.655	4.25
48	MP3B	Mx	.024	4.25
49	MP3C	X	87.125	2.25
50	MP3C	Z	-50.302	2.25
51	MP3C	Mx	0	2.25
52	MP3C	X	87.125	4.25
53	MP3C	Z	-50.302	4.25
54	MP3C	Mx	0	4.25
55	MP4A	X	70.412	.75
56	MP4A	Z	-40.652	.75
57	MP4A	Mx	-.035	.75
58	MP4A	X	70.412	5.75
59	MP4A	Z	-40.652	5.75
60	MP4A	Mx	-.035	5.75
61	MP4B	X	82.83	.75
62	MP4B	Z	-47.822	.75
63	MP4B	Mx	.031	.75
64	MP4B	X	82.83	5.75
65	MP4B	Z	-47.822	5.75
66	MP4B	Mx	.031	5.75
67	MP4C	X	98.063	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP4C	Z	-56.616	.75
69	MP4C	Mx	0	.75
70	MP4C	X	98.063	5.75
71	MP4C	Z	-56.616	5.75
72	MP4C	Mx	0	5.75
73	R1	X	82.792	1.5
74	R1	Z	-47.8	1.5
75	R1	Mx	-.041	1.5
76	MP2A	X	45.486	4
77	MP2A	Z	-26.261	4
78	MP2A	Mx	.023	4
79	MP2B	X	56.194	4
80	MP2B	Z	-32.444	4
81	MP2B	Mx	-.021	4
82	MP2C	X	69.33	4
83	MP2C	Z	-40.027	4
84	MP2C	Mx	0	4
85	MP1A	X	52.09	4
86	MP1A	Z	-30.074	4
87	MP1A	Mx	.026	4
88	MP1B	X	59.832	4
89	MP1B	Z	-34.544	4
90	MP1B	Mx	-.022	4
91	MP1C	X	69.33	4
92	MP1C	Z	-40.027	4
93	MP1C	Mx	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	157.07	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	-.079	.5
4	MP1A	X	157.07	6
5	MP1A	Z	0	6
6	MP1A	Mx	-.079	6
7	MP1B	X	209.634	.5
8	MP1B	Z	0	.5
9	MP1B	Mx	-.119	.5
10	MP1B	X	209.634	6
11	MP1B	Z	0	6
12	MP1B	Mx	-.119	6
13	MP1C	X	197.718	.5
14	MP1C	Z	0	.5
15	MP1C	Mx	.164	.5
16	MP1C	X	197.718	6
17	MP1C	Z	0	6
18	MP1C	Mx	.164	6
19	MP1A	X	157.07	.5
20	MP1A	Z	0	.5
21	MP1A	Mx	-.079	.5
22	MP1A	X	157.07	6
23	MP1A	Z	0	6
24	MP1A	Mx	-.079	6
25	MP1B	X	209.634	.5
26	MP1B	Z	0	.5
27	MP1B	Mx	.156	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP1B	X	209.634	6
29	MP1B	Z	0	6
30	MP1B	Mx	.156	6
31	MP1C	X	197.718	.5
32	MP1C	Z	0	.5
33	MP1C	Mx	-.065	.5
34	MP1C	X	197.718	6
35	MP1C	Z	0	6
36	MP1C	Mx	-.065	6
37	MP3A	X	39.386	2.25
38	MP3A	Z	0	2.25
39	MP3A	Mx	-.02	2.25
40	MP3A	X	39.386	4.25
41	MP3A	Z	0	4.25
42	MP3A	Mx	-.02	4.25
43	MP3B	X	98.758	2.25
44	MP3B	Z	0	2.25
45	MP3B	Mx	.009	2.25
46	MP3B	X	98.758	4.25
47	MP3B	Z	0	4.25
48	MP3B	Mx	.009	4.25
49	MP3C	X	85.299	2.25
50	MP3C	Z	0	2.25
51	MP3C	Mx	.021	2.25
52	MP3C	X	85.299	4.25
53	MP3C	Z	0	4.25
54	MP3C	Mx	.021	4.25
55	MP4A	X	70.661	.75
56	MP4A	Z	0	.75
57	MP4A	Mx	-.035	.75
58	MP4A	X	70.661	5.75
59	MP4A	Z	0	5.75
60	MP4A	Mx	-.035	5.75
61	MP4B	X	111.949	.75
62	MP4B	Z	0	.75
63	MP4B	Mx	.01	.75
64	MP4B	X	111.949	5.75
65	MP4B	Z	0	5.75
66	MP4B	Mx	.01	5.75
67	MP4C	X	102.59	.75
68	MP4C	Z	0	.75
69	MP4C	Mx	.026	.75
70	MP4C	X	102.59	5.75
71	MP4C	Z	0	5.75
72	MP4C	Mx	.026	5.75
73	R1	X	117.773	1.5
74	R1	Z	0	1.5
75	R1	Mx	-.029	1.5
76	MP2A	X	43.345	4
77	MP2A	Z	0	4
78	MP2A	Mx	.022	4
79	MP2B	X	78.948	4
80	MP2B	Z	0	4
81	MP2B	Mx	-.007	4
82	MP2C	X	70.878	4
83	MP2C	Z	0	4
84	MP2C	Mx	-.018	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP1A	X	53.513	4
86	MP1A	Z	0	4
87	MP1A	Mx	.027	4
88	MP1B	X	79.255	4
89	MP1B	Z	0	4
90	MP1B	Mx	-.007	4
91	MP1C	X	73.419	4
92	MP1C	Z	0	4
93	MP1C	Mx	-.018	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	147.761	.5
2	MP1A	Z	85.31	.5
3	MP1A	Mx	-.017	.5
4	MP1A	X	147.761	6
5	MP1A	Z	85.31	6
6	MP1A	Mx	-.017	6
7	MP1B	X	177.473	.5
8	MP1B	Z	102.464	.5
9	MP1B	Mx	-.163	.5
10	MP1B	X	177.473	6
11	MP1B	Z	102.464	6
12	MP1B	Mx	-.163	6
13	MP1C	X	147.761	.5
14	MP1C	Z	85.31	.5
15	MP1C	Mx	.131	.5
16	MP1C	X	147.761	6
17	MP1C	Z	85.31	6
18	MP1C	Mx	.131	6
19	MP1A	X	147.761	.5
20	MP1A	Z	85.31	.5
21	MP1A	Mx	-.131	.5
22	MP1A	X	147.761	6
23	MP1A	Z	85.31	6
24	MP1A	Mx	-.131	6
25	MP1B	X	177.473	.5
26	MP1B	Z	102.464	.5
27	MP1B	Mx	.093	.5
28	MP1B	X	177.473	6
29	MP1B	Z	102.464	6
30	MP1B	Mx	.093	6
31	MP1C	X	147.761	.5
32	MP1C	Z	85.31	.5
33	MP1C	Mx	.017	.5
34	MP1C	X	147.761	6
35	MP1C	Z	85.31	6
36	MP1C	Mx	.017	6
37	MP3A	X	47.363	2.25
38	MP3A	Z	27.345	2.25
39	MP3A	Mx	-.024	2.25
40	MP3A	X	47.363	4.25
41	MP3A	Z	27.345	4.25
42	MP3A	Mx	-.024	4.25
43	MP3B	X	80.924	2.25
44	MP3B	Z	46.721	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP3B	Mx	-.016	2.25
46	MP3B	X	80.924	4.25
47	MP3B	Z	46.721	4.25
48	MP3B	Mx	-.016	4.25
49	MP3C	X	47.363	2.25
50	MP3C	Z	27.345	2.25
51	MP3C	Mx	.024	2.25
52	MP3C	X	47.363	4.25
53	MP3C	Z	27.345	4.25
54	MP3C	Mx	.024	4.25
55	MP4A	X	70.412	.75
56	MP4A	Z	40.652	.75
57	MP4A	Mx	-.035	.75
58	MP4A	X	70.412	5.75
59	MP4A	Z	40.652	5.75
60	MP4A	Mx	-.035	5.75
61	MP4B	X	93.75	.75
62	MP4B	Z	54.126	.75
63	MP4B	Mx	-.019	.75
64	MP4B	X	93.75	5.75
65	MP4B	Z	54.126	5.75
66	MP4B	Mx	-.019	5.75
67	MP4C	X	70.412	.75
68	MP4C	Z	40.652	.75
69	MP4C	Mx	.035	.75
70	MP4C	X	70.412	5.75
71	MP4C	Z	40.652	5.75
72	MP4C	Mx	.035	5.75
73	R1	X	111.595	1.5
74	R1	Z	64.429	1.5
75	R1	Mx	0	1.5
76	MP2A	X	45.486	4
77	MP2A	Z	26.261	4
78	MP2A	Mx	.023	4
79	MP2B	X	65.611	4
80	MP2B	Z	37.88	4
81	MP2B	Mx	.013	4
82	MP2C	X	45.486	4
83	MP2C	Z	26.261	4
84	MP2C	Mx	-.023	4
85	MP1A	X	52.09	4
86	MP1A	Z	30.074	4
87	MP1A	Mx	.026	4
88	MP1B	X	66.641	4
89	MP1B	Z	38.475	4
90	MP1B	Mx	.013	4
91	MP1C	X	52.09	4
92	MP1C	Z	30.074	4
93	MP1C	Mx	-.026	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	98.859	.5
2	MP1A	Z	171.229	.5
3	MP1A	Mx	.065	.5
4	MP1A	X	98.859	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP1A	Z	171.229	6
6	MP1A	Mx	.065	6
7	MP1B	X	89.732	.5
8	MP1B	Z	155.42	.5
9	MP1B	Mx	-.146	.5
10	MP1B	X	89.732	6
11	MP1B	Z	155.42	6
12	MP1B	Mx	-.146	6
13	MP1C	X	78.535	.5
14	MP1C	Z	136.026	.5
15	MP1C	Mx	.079	.5
16	MP1C	X	78.535	6
17	MP1C	Z	136.026	6
18	MP1C	Mx	.079	6
19	MP1A	X	98.859	.5
20	MP1A	Z	171.229	.5
21	MP1A	Mx	-.164	.5
22	MP1A	X	98.859	6
23	MP1A	Z	171.229	6
24	MP1A	Mx	-.164	6
25	MP1B	X	89.732	.5
26	MP1B	Z	155.42	.5
27	MP1B	Mx	.008	.5
28	MP1B	X	89.732	6
29	MP1B	Z	155.42	6
30	MP1B	Mx	.008	6
31	MP1C	X	78.535	.5
32	MP1C	Z	136.026	.5
33	MP1C	Mx	.079	.5
34	MP1C	X	78.535	6
35	MP1C	Z	136.026	6
36	MP1C	Mx	.079	6
37	MP3A	X	42.65	2.25
38	MP3A	Z	73.871	2.25
39	MP3A	Mx	-.021	2.25
40	MP3A	X	42.65	4.25
41	MP3A	Z	73.871	4.25
42	MP3A	Mx	-.021	4.25
43	MP3B	X	32.34	2.25
44	MP3B	Z	56.014	2.25
45	MP3B	Mx	-.025	2.25
46	MP3B	X	32.34	4.25
47	MP3B	Z	56.014	4.25
48	MP3B	Mx	-.025	4.25
49	MP3C	X	19.693	2.25
50	MP3C	Z	34.109	2.25
51	MP3C	Mx	.02	2.25
52	MP3C	X	19.693	4.25
53	MP3C	Z	34.109	4.25
54	MP3C	Mx	.02	4.25
55	MP4A	X	51.295	.75
56	MP4A	Z	88.846	.75
57	MP4A	Mx	-.026	.75
58	MP4A	X	51.295	5.75
59	MP4A	Z	88.846	5.75
60	MP4A	Mx	-.026	5.75
61	MP4B	X	44.125	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62	MP4B	Z	76.427	.75
63	MP4B	Mx	-.034	.75
64	MP4B	X	44.125	5.75
65	MP4B	Z	76.427	5.75
66	MP4B	Mx	-.034	5.75
67	MP4C	X	35.331	.75
68	MP4C	Z	61.195	.75
69	MP4C	Mx	.035	.75
70	MP4C	X	35.331	5.75
71	MP4C	Z	61.195	5.75
72	MP4C	Mx	.035	5.75
73	R1	X	58.886	1.5
74	R1	Z	101.994	1.5
75	R1	Mx	.029	1.5
76	MP2A	X	35.439	4
77	MP2A	Z	61.382	4
78	MP2A	Mx	.018	4
79	MP2B	X	29.256	4
80	MP2B	Z	50.674	4
81	MP2B	Mx	.022	4
82	MP2C	X	21.673	4
83	MP2C	Z	37.538	4
84	MP2C	Mx	-.022	4
85	MP1A	X	36.71	4
86	MP1A	Z	63.583	4
87	MP1A	Mx	.018	4
88	MP1B	X	32.24	4
89	MP1B	Z	55.841	4
90	MP1B	Mx	.025	4
91	MP1C	X	26.756	4
92	MP1C	Z	46.343	4
93	MP1C	Mx	-.027	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	211.268	.5
3	MP1A	Mx	.141	.5
4	MP1A	X	0	6
5	MP1A	Z	211.268	6
6	MP1A	Mx	.141	6
7	MP1B	X	0	.5
8	MP1B	Z	158.704	.5
9	MP1B	Mx	-.097	.5
10	MP1B	X	0	6
11	MP1B	Z	158.704	6
12	MP1B	Mx	-.097	6
13	MP1C	X	0	.5
14	MP1C	Z	170.619	.5
15	MP1C	Mx	.017	.5
16	MP1C	X	0	6
17	MP1C	Z	170.619	6
18	MP1C	Mx	.017	6
19	MP1A	X	0	.5
20	MP1A	Z	211.268	.5
21	MP1A	Mx	-.141	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP1A	X	0	6
23	MP1A	Z	211.268	6
24	MP1A	Mx	-.141	6
25	MP1B	X	0	.5
26	MP1B	Z	158.704	.5
27	MP1B	Mx	-.06	.5
28	MP1B	X	0	6
29	MP1B	Z	158.704	6
30	MP1B	Mx	-.06	6
31	MP1C	X	0	.5
32	MP1C	Z	170.619	.5
33	MP1C	Mx	.131	.5
34	MP1C	X	0	6
35	MP1C	Z	170.619	6
36	MP1C	Mx	.131	6
37	MP3A	X	0	2.25
38	MP3A	Z	100.604	2.25
39	MP3A	Mx	0	2.25
40	MP3A	X	0	4.25
41	MP3A	Z	100.604	4.25
42	MP3A	Mx	0	4.25
43	MP3B	X	0	2.25
44	MP3B	Z	41.232	2.25
45	MP3B	Mx	-.02	2.25
46	MP3B	X	0	4.25
47	MP3B	Z	41.232	4.25
48	MP3B	Mx	-.02	4.25
49	MP3C	X	0	2.25
50	MP3C	Z	54.691	2.25
51	MP3C	Mx	.024	2.25
52	MP3C	X	0	4.25
53	MP3C	Z	54.691	4.25
54	MP3C	Mx	.024	4.25
55	MP4A	X	0	.75
56	MP4A	Z	113.233	.75
57	MP4A	Mx	0	.75
58	MP4A	X	0	5.75
59	MP4A	Z	113.233	5.75
60	MP4A	Mx	0	5.75
61	MP4B	X	0	.75
62	MP4B	Z	71.945	.75
63	MP4B	Mx	-.035	.75
64	MP4B	X	0	5.75
65	MP4B	Z	71.945	5.75
66	MP4B	Mx	-.035	5.75
67	MP4C	X	0	.75
68	MP4C	Z	81.304	.75
69	MP4C	Mx	.035	.75
70	MP4C	X	0	5.75
71	MP4C	Z	81.304	5.75
72	MP4C	Mx	.035	5.75
73	R1	X	0	1.5
74	R1	Z	95.6	1.5
75	R1	Mx	.041	1.5
76	MP2A	X	0	4
77	MP2A	Z	80.055	4
78	MP2A	Mx	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP2B	X	0	4
80	MP2B	Z	44.452	4
81	MP2B	Mx	.022	4
82	MP2C	X	0	4
83	MP2C	Z	52.523	4
84	MP2C	Mx	-.023	4
85	MP1A	X	0	4
86	MP1A	Z	80.055	4
87	MP1A	Mx	0	4
88	MP1B	X	0	4
89	MP1B	Z	54.313	4
90	MP1B	Mx	.027	4
91	MP1C	X	0	4
92	MP1C	Z	60.148	4
93	MP1C	Mx	-.026	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-98.859	.5
2	MP1A	Z	171.229	.5
3	MP1A	Mx	.164	.5
4	MP1A	X	-98.859	6
5	MP1A	Z	171.229	6
6	MP1A	Mx	.164	6
7	MP1B	X	-81.705	.5
8	MP1B	Z	141.517	.5
9	MP1B	Mx	-.04	.5
10	MP1B	X	-81.705	6
11	MP1B	Z	141.517	6
12	MP1B	Mx	-.04	6
13	MP1C	X	-98.859	.5
14	MP1C	Z	171.229	.5
15	MP1C	Mx	-.065	.5
16	MP1C	X	-98.859	6
17	MP1C	Z	171.229	6
18	MP1C	Mx	-.065	6
19	MP1A	X	-98.859	.5
20	MP1A	Z	171.229	.5
21	MP1A	Mx	-.065	.5
22	MP1A	X	-98.859	6
23	MP1A	Z	171.229	6
24	MP1A	Mx	-.065	6
25	MP1B	X	-81.705	.5
26	MP1B	Z	141.517	.5
27	MP1B	Mx	-.114	.5
28	MP1B	X	-81.705	6
29	MP1B	Z	141.517	6
30	MP1B	Mx	-.114	6
31	MP1C	X	-98.859	.5
32	MP1C	Z	171.229	.5
33	MP1C	Mx	.164	.5
34	MP1C	X	-98.859	6
35	MP1C	Z	171.229	6
36	MP1C	Mx	.164	6
37	MP3A	X	-42.65	2.25
38	MP3A	Z	73.871	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP3A	Mx	.021	2.25
40	MP3A	X	-42.65	4.25
41	MP3A	Z	73.871	4.25
42	MP3A	Mx	.021	4.25
43	MP3B	X	-23.274	2.25
44	MP3B	Z	40.311	2.25
45	MP3B	Mx	-.022	2.25
46	MP3B	X	-23.274	4.25
47	MP3B	Z	40.311	4.25
48	MP3B	Mx	-.022	4.25
49	MP3C	X	-42.65	2.25
50	MP3C	Z	73.871	2.25
51	MP3C	Mx	.021	2.25
52	MP3C	X	-42.65	4.25
53	MP3C	Z	73.871	4.25
54	MP3C	Mx	.021	4.25
55	MP4A	X	-51.295	.75
56	MP4A	Z	88.846	.75
57	MP4A	Mx	.026	.75
58	MP4A	X	-51.295	5.75
59	MP4A	Z	88.846	5.75
60	MP4A	Mx	.026	5.75
61	MP4B	X	-37.821	.75
62	MP4B	Z	65.507	.75
63	MP4B	Mx	-.036	.75
64	MP4B	X	-37.821	5.75
65	MP4B	Z	65.507	5.75
66	MP4B	Mx	-.036	5.75
67	MP4C	X	-51.295	.75
68	MP4C	Z	88.846	.75
69	MP4C	Mx	.026	.75
70	MP4C	X	-51.295	5.75
71	MP4C	Z	88.846	5.75
72	MP4C	Mx	.026	5.75
73	R1	X	-42.257	1.5
74	R1	Z	73.192	1.5
75	R1	Mx	.042	1.5
76	MP2A	X	-35.439	4
77	MP2A	Z	61.382	4
78	MP2A	Mx	-.018	4
79	MP2B	X	-23.82	4
80	MP2B	Z	41.257	4
81	MP2B	Mx	.022	4
82	MP2C	X	-35.439	4
83	MP2C	Z	61.382	4
84	MP2C	Mx	-.018	4
85	MP1A	X	-36.71	4
86	MP1A	Z	63.583	4
87	MP1A	Mx	-.018	4
88	MP1B	X	-28.309	4
89	MP1B	Z	49.032	4
90	MP1B	Mx	.027	4
91	MP1C	X	-36.71	4
92	MP1C	Z	63.583	4
93	MP1C	Mx	-.018	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-147.761	.5
2	MP1A	Z	85.31	.5
3	MP1A	Mx	.131	.5
4	MP1A	X	-147.761	6
5	MP1A	Z	85.31	6
6	MP1A	Mx	.131	6
7	MP1B	X	-163.57	.5
8	MP1B	Z	94.437	.5
9	MP1B	Mx	.036	.5
10	MP1B	X	-163.57	6
11	MP1B	Z	94.437	6
12	MP1B	Mx	.036	6
13	MP1C	X	-182.964	.5
14	MP1C	Z	105.634	.5
15	MP1C	Mx	-.141	.5
16	MP1C	X	-182.964	6
17	MP1C	Z	105.634	6
18	MP1C	Mx	-.141	6
19	MP1A	X	-147.761	.5
20	MP1A	Z	85.31	.5
21	MP1A	Mx	.017	.5
22	MP1A	X	-147.761	6
23	MP1A	Z	85.31	6
24	MP1A	Mx	.017	6
25	MP1B	X	-163.57	.5
26	MP1B	Z	94.437	.5
27	MP1B	Mx	-.157	.5
28	MP1B	X	-163.57	6
29	MP1B	Z	94.437	6
30	MP1B	Mx	-.157	6
31	MP1C	X	-182.964	.5
32	MP1C	Z	105.634	.5
33	MP1C	Mx	.141	.5
34	MP1C	X	-182.964	6
35	MP1C	Z	105.634	6
36	MP1C	Mx	.141	6
37	MP3A	X	-47.363	2.25
38	MP3A	Z	27.345	2.25
39	MP3A	Mx	.024	2.25
40	MP3A	X	-47.363	4.25
41	MP3A	Z	27.345	4.25
42	MP3A	Mx	.024	4.25
43	MP3B	X	-65.221	2.25
44	MP3B	Z	37.655	2.25
45	MP3B	Mx	-.024	2.25
46	MP3B	X	-65.221	4.25
47	MP3B	Z	37.655	4.25
48	MP3B	Mx	-.024	4.25
49	MP3C	X	-87.125	2.25
50	MP3C	Z	50.302	2.25
51	MP3C	Mx	0	2.25
52	MP3C	X	-87.125	4.25
53	MP3C	Z	50.302	4.25
54	MP3C	Mx	0	4.25
55	MP4A	X	-70.412	.75
56	MP4A	Z	40.652	.75
57	MP4A	Mx	.035	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	-70.412	5.75
59	MP4A	Z	40.652	5.75
60	MP4A	Mx	.035	5.75
61	MP4B	X	-82.83	.75
62	MP4B	Z	47.822	.75
63	MP4B	Mx	-.031	.75
64	MP4B	X	-82.83	5.75
65	MP4B	Z	47.822	5.75
66	MP4B	Mx	-.031	5.75
67	MP4C	X	-98.063	.75
68	MP4C	Z	56.616	.75
69	MP4C	Mx	0	.75
70	MP4C	X	-98.063	5.75
71	MP4C	Z	56.616	5.75
72	MP4C	Mx	0	5.75
73	R1	X	-82.792	1.5
74	R1	Z	47.8	1.5
75	R1	Mx	.041	1.5
76	MP2A	X	-45.486	4
77	MP2A	Z	26.261	4
78	MP2A	Mx	-.023	4
79	MP2B	X	-56.194	4
80	MP2B	Z	32.444	4
81	MP2B	Mx	.021	4
82	MP2C	X	-69.33	4
83	MP2C	Z	40.027	4
84	MP2C	Mx	0	4
85	MP1A	X	-52.09	4
86	MP1A	Z	30.074	4
87	MP1A	Mx	-.026	4
88	MP1B	X	-59.832	4
89	MP1B	Z	34.544	4
90	MP1B	Mx	.022	4
91	MP1C	X	-69.33	4
92	MP1C	Z	40.027	4
93	MP1C	Mx	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-157.07	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	.079	.5
4	MP1A	X	-157.07	6
5	MP1A	Z	0	6
6	MP1A	Mx	.079	6
7	MP1B	X	-209.634	.5
8	MP1B	Z	0	.5
9	MP1B	Mx	.119	.5
10	MP1B	X	-209.634	6
11	MP1B	Z	0	6
12	MP1B	Mx	.119	6
13	MP1C	X	-197.718	.5
14	MP1C	Z	0	.5
15	MP1C	Mx	-.164	.5
16	MP1C	X	-197.718	6
17	MP1C	Z	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP1C	Mx	-.164	6
19	MP1A	X	-157.07	.5
20	MP1A	Z	0	.5
21	MP1A	Mx	.079	.5
22	MP1A	X	-157.07	6
23	MP1A	Z	0	6
24	MP1A	Mx	.079	6
25	MP1B	X	-209.634	.5
26	MP1B	Z	0	.5
27	MP1B	Mx	-.156	.5
28	MP1B	X	-209.634	6
29	MP1B	Z	0	6
30	MP1B	Mx	-.156	6
31	MP1C	X	-197.718	.5
32	MP1C	Z	0	.5
33	MP1C	Mx	.065	.5
34	MP1C	X	-197.718	6
35	MP1C	Z	0	6
36	MP1C	Mx	.065	6
37	MP3A	X	-39.386	2.25
38	MP3A	Z	0	2.25
39	MP3A	Mx	.02	2.25
40	MP3A	X	-39.386	4.25
41	MP3A	Z	0	4.25
42	MP3A	Mx	.02	4.25
43	MP3B	X	-98.758	2.25
44	MP3B	Z	0	2.25
45	MP3B	Mx	-.009	2.25
46	MP3B	X	-98.758	4.25
47	MP3B	Z	0	4.25
48	MP3B	Mx	-.009	4.25
49	MP3C	X	-85.299	2.25
50	MP3C	Z	0	2.25
51	MP3C	Mx	-.021	2.25
52	MP3C	X	-85.299	4.25
53	MP3C	Z	0	4.25
54	MP3C	Mx	-.021	4.25
55	MP4A	X	-70.661	.75
56	MP4A	Z	0	.75
57	MP4A	Mx	.035	.75
58	MP4A	X	-70.661	5.75
59	MP4A	Z	0	5.75
60	MP4A	Mx	.035	5.75
61	MP4B	X	-111.949	.75
62	MP4B	Z	0	.75
63	MP4B	Mx	-.01	.75
64	MP4B	X	-111.949	5.75
65	MP4B	Z	0	5.75
66	MP4B	Mx	-.01	5.75
67	MP4C	X	-102.59	.75
68	MP4C	Z	0	.75
69	MP4C	Mx	-.026	.75
70	MP4C	X	-102.59	5.75
71	MP4C	Z	0	5.75
72	MP4C	Mx	-.026	5.75
73	R1	X	-117.773	1.5
74	R1	Z	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	R1	Mx	.029	1.5
76	MP2A	X	-43.345	4
77	MP2A	Z	0	4
78	MP2A	Mx	-.022	4
79	MP2B	X	-78.948	4
80	MP2B	Z	0	4
81	MP2B	Mx	.007	4
82	MP2C	X	-70.878	4
83	MP2C	Z	0	4
84	MP2C	Mx	.018	4
85	MP1A	X	-53.513	4
86	MP1A	Z	0	4
87	MP1A	Mx	-.027	4
88	MP1B	X	-79.255	4
89	MP1B	Z	0	4
90	MP1B	Mx	.007	4
91	MP1C	X	-73.419	4
92	MP1C	Z	0	4
93	MP1C	Mx	.018	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-147.761	.5
2	MP1A	Z	-85.31	.5
3	MP1A	Mx	.017	.5
4	MP1A	X	-147.761	6
5	MP1A	Z	-85.31	6
6	MP1A	Mx	.017	6
7	MP1B	X	-177.473	.5
8	MP1B	Z	-102.464	.5
9	MP1B	Mx	.163	.5
10	MP1B	X	-177.473	6
11	MP1B	Z	-102.464	6
12	MP1B	Mx	.163	6
13	MP1C	X	-147.761	.5
14	MP1C	Z	-85.31	.5
15	MP1C	Mx	-.131	.5
16	MP1C	X	-147.761	6
17	MP1C	Z	-85.31	6
18	MP1C	Mx	-.131	6
19	MP1A	X	-147.761	.5
20	MP1A	Z	-85.31	.5
21	MP1A	Mx	.131	.5
22	MP1A	X	-147.761	6
23	MP1A	Z	-85.31	6
24	MP1A	Mx	.131	6
25	MP1B	X	-177.473	.5
26	MP1B	Z	-102.464	.5
27	MP1B	Mx	-.093	.5
28	MP1B	X	-177.473	6
29	MP1B	Z	-102.464	6
30	MP1B	Mx	-.093	6
31	MP1C	X	-147.761	.5
32	MP1C	Z	-85.31	.5
33	MP1C	Mx	-.017	.5
34	MP1C	X	-147.761	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP1C	Z	-85.31	6
36	MP1C	Mx	-.017	6
37	MP3A	X	-47.363	2.25
38	MP3A	Z	-27.345	2.25
39	MP3A	Mx	.024	2.25
40	MP3A	X	-47.363	4.25
41	MP3A	Z	-27.345	4.25
42	MP3A	Mx	.024	4.25
43	MP3B	X	-80.924	2.25
44	MP3B	Z	-46.721	2.25
45	MP3B	Mx	.016	2.25
46	MP3B	X	-80.924	4.25
47	MP3B	Z	-46.721	4.25
48	MP3B	Mx	.016	4.25
49	MP3C	X	-47.363	2.25
50	MP3C	Z	-27.345	2.25
51	MP3C	Mx	-.024	2.25
52	MP3C	X	-47.363	4.25
53	MP3C	Z	-27.345	4.25
54	MP3C	Mx	-.024	4.25
55	MP4A	X	-70.412	.75
56	MP4A	Z	-40.652	.75
57	MP4A	Mx	.035	.75
58	MP4A	X	-70.412	5.75
59	MP4A	Z	-40.652	5.75
60	MP4A	Mx	.035	5.75
61	MP4B	X	-93.75	.75
62	MP4B	Z	-54.126	.75
63	MP4B	Mx	.019	.75
64	MP4B	X	-93.75	5.75
65	MP4B	Z	-54.126	5.75
66	MP4B	Mx	.019	5.75
67	MP4C	X	-70.412	.75
68	MP4C	Z	-40.652	.75
69	MP4C	Mx	-.035	.75
70	MP4C	X	-70.412	5.75
71	MP4C	Z	-40.652	5.75
72	MP4C	Mx	-.035	5.75
73	R1	X	-111.595	1.5
74	R1	Z	-64.429	1.5
75	R1	Mx	0	1.5
76	MP2A	X	-45.486	4
77	MP2A	Z	-26.261	4
78	MP2A	Mx	-.023	4
79	MP2B	X	-65.611	4
80	MP2B	Z	-37.88	4
81	MP2B	Mx	-.013	4
82	MP2C	X	-45.486	4
83	MP2C	Z	-26.261	4
84	MP2C	Mx	.023	4
85	MP1A	X	-52.09	4
86	MP1A	Z	-30.074	4
87	MP1A	Mx	-.026	4
88	MP1B	X	-66.641	4
89	MP1B	Z	-38.475	4
90	MP1B	Mx	-.013	4
91	MP1C	X	-52.09	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP1C	Z	-30.074	4
93	MP1C	Mx	.026	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-98.859	.5
2	MP1A	Z	-171.229	.5
3	MP1A	Mx	-.065	.5
4	MP1A	X	-98.859	6
5	MP1A	Z	-171.229	6
6	MP1A	Mx	-.065	6
7	MP1B	X	-89.732	.5
8	MP1B	Z	-155.42	.5
9	MP1B	Mx	.146	.5
10	MP1B	X	-89.732	6
11	MP1B	Z	-155.42	6
12	MP1B	Mx	.146	6
13	MP1C	X	-78.535	.5
14	MP1C	Z	-136.026	.5
15	MP1C	Mx	-.079	.5
16	MP1C	X	-78.535	6
17	MP1C	Z	-136.026	6
18	MP1C	Mx	-.079	6
19	MP1A	X	-98.859	.5
20	MP1A	Z	-171.229	.5
21	MP1A	Mx	.164	.5
22	MP1A	X	-98.859	6
23	MP1A	Z	-171.229	6
24	MP1A	Mx	.164	6
25	MP1B	X	-89.732	.5
26	MP1B	Z	-155.42	.5
27	MP1B	Mx	-.008	.5
28	MP1B	X	-89.732	6
29	MP1B	Z	-155.42	6
30	MP1B	Mx	-.008	6
31	MP1C	X	-78.535	.5
32	MP1C	Z	-136.026	.5
33	MP1C	Mx	-.079	.5
34	MP1C	X	-78.535	6
35	MP1C	Z	-136.026	6
36	MP1C	Mx	-.079	6
37	MP3A	X	-42.65	2.25
38	MP3A	Z	-73.871	2.25
39	MP3A	Mx	.021	2.25
40	MP3A	X	-42.65	4.25
41	MP3A	Z	-73.871	4.25
42	MP3A	Mx	.021	4.25
43	MP3B	X	-32.34	2.25
44	MP3B	Z	-56.014	2.25
45	MP3B	Mx	.025	2.25
46	MP3B	X	-32.34	4.25
47	MP3B	Z	-56.014	4.25
48	MP3B	Mx	.025	4.25
49	MP3C	X	-19.693	2.25
50	MP3C	Z	-34.109	2.25
51	MP3C	Mx	-.02	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP3C	X	-19.693	4.25
53	MP3C	Z	-34.109	4.25
54	MP3C	Mx	-.02	4.25
55	MP4A	X	-51.295	.75
56	MP4A	Z	-88.846	.75
57	MP4A	Mx	.026	.75
58	MP4A	X	-51.295	5.75
59	MP4A	Z	-88.846	5.75
60	MP4A	Mx	.026	5.75
61	MP4B	X	-44.125	.75
62	MP4B	Z	-76.427	.75
63	MP4B	Mx	.034	.75
64	MP4B	X	-44.125	5.75
65	MP4B	Z	-76.427	5.75
66	MP4B	Mx	.034	5.75
67	MP4C	X	-35.331	.75
68	MP4C	Z	-61.195	.75
69	MP4C	Mx	-.035	.75
70	MP4C	X	-35.331	5.75
71	MP4C	Z	-61.195	5.75
72	MP4C	Mx	-.035	5.75
73	R1	X	-58.886	1.5
74	R1	Z	-101.994	1.5
75	R1	Mx	-.029	1.5
76	MP2A	X	-35.439	4
77	MP2A	Z	-61.382	4
78	MP2A	Mx	-.018	4
79	MP2B	X	-29.256	4
80	MP2B	Z	-50.674	4
81	MP2B	Mx	-.022	4
82	MP2C	X	-21.673	4
83	MP2C	Z	-37.538	4
84	MP2C	Mx	.022	4
85	MP1A	X	-36.71	4
86	MP1A	Z	-63.583	4
87	MP1A	Mx	-.018	4
88	MP1B	X	-32.24	4
89	MP1B	Z	-55.841	4
90	MP1B	Mx	-.025	4
91	MP1C	X	-26.756	4
92	MP1C	Z	-46.343	4
93	MP1C	Mx	.027	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	-40.001	.5
3	MP1A	Mx	-.027	.5
4	MP1A	X	0	6
5	MP1A	Z	-40.001	6
6	MP1A	Mx	-.027	6
7	MP1B	X	0	.5
8	MP1B	Z	-30.555	.5
9	MP1B	Mx	.019	.5
10	MP1B	X	0	6
11	MP1B	Z	-30.555	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP1B	Mx	.019	6
13	MP1C	X	0	.5
14	MP1C	Z	-32.696	.5
15	MP1C	Mx	-.003	.5
16	MP1C	X	0	6
17	MP1C	Z	-32.696	6
18	MP1C	Mx	-.003	6
19	MP1A	X	0	.5
20	MP1A	Z	-40.001	.5
21	MP1A	Mx	.027	.5
22	MP1A	X	0	6
23	MP1A	Z	-40.001	6
24	MP1A	Mx	.027	6
25	MP1B	X	0	.5
26	MP1B	Z	-30.555	.5
27	MP1B	Mx	.012	.5
28	MP1B	X	0	6
29	MP1B	Z	-30.555	6
30	MP1B	Mx	.012	6
31	MP1C	X	0	.5
32	MP1C	Z	-32.696	.5
33	MP1C	Mx	-.025	.5
34	MP1C	X	0	6
35	MP1C	Z	-32.696	6
36	MP1C	Mx	-.025	6
37	MP3A	X	0	2.25
38	MP3A	Z	-19.734	2.25
39	MP3A	Mx	0	2.25
40	MP3A	X	0	4.25
41	MP3A	Z	-19.734	4.25
42	MP3A	Mx	0	4.25
43	MP3B	X	0	2.25
44	MP3B	Z	-8.748	2.25
45	MP3B	Mx	.004	2.25
46	MP3B	X	0	4.25
47	MP3B	Z	-8.748	4.25
48	MP3B	Mx	.004	4.25
49	MP3C	X	0	2.25
50	MP3C	Z	-11.239	2.25
51	MP3C	Mx	-.005	2.25
52	MP3C	X	0	4.25
53	MP3C	Z	-11.239	4.25
54	MP3C	Mx	-.005	4.25
55	MP4A	X	0	.75
56	MP4A	Z	-22.752	.75
57	MP4A	Mx	0	.75
58	MP4A	X	0	5.75
59	MP4A	Z	-22.752	5.75
60	MP4A	Mx	0	5.75
61	MP4B	X	0	.75
62	MP4B	Z	-15.166	.75
63	MP4B	Mx	.007	.75
64	MP4B	X	0	5.75
65	MP4B	Z	-15.166	5.75
66	MP4B	Mx	.007	5.75
67	MP4C	X	0	.75
68	MP4C	Z	-16.886	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP4C	Mx	-.007	.75
70	MP4C	X	0	5.75
71	MP4C	Z	-16.886	5.75
72	MP4C	Mx	-.007	5.75
73	R1	X	0	1.5
74	R1	Z	-19.682	1.5
75	R1	Mx	-.009	1.5
76	MP2A	X	0	4
77	MP2A	Z	-16.633	4
78	MP2A	Mx	0	4
79	MP2B	X	0	4
80	MP2B	Z	-9.858	4
81	MP2B	Mx	-.005	4
82	MP2C	X	0	4
83	MP2C	Z	-11.393	4
84	MP2C	Mx	.005	4
85	MP1A	X	0	4
86	MP1A	Z	-16.633	4
87	MP1A	Mx	0	4
88	MP1B	X	0	4
89	MP1B	Z	-11.723	4
90	MP1B	Mx	-.006	4
91	MP1C	X	0	4
92	MP1C	Z	-12.836	4
93	MP1C	Mx	.006	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	18.783	.5
2	MP1A	Z	-32.533	.5
3	MP1A	Mx	-.031	.5
4	MP1A	X	18.783	6
5	MP1A	Z	-32.533	6
6	MP1A	Mx	-.031	6
7	MP1B	X	15.7	.5
8	MP1B	Z	-27.194	.5
9	MP1B	Mx	.008	.5
10	MP1B	X	15.7	6
11	MP1B	Z	-27.194	6
12	MP1B	Mx	.008	6
13	MP1C	X	18.783	.5
14	MP1C	Z	-32.533	.5
15	MP1C	Mx	.012	.5
16	MP1C	X	18.783	6
17	MP1C	Z	-32.533	6
18	MP1C	Mx	.012	6
19	MP1A	X	18.783	.5
20	MP1A	Z	-32.533	.5
21	MP1A	Mx	.012	.5
22	MP1A	X	18.783	6
23	MP1A	Z	-32.533	6
24	MP1A	Mx	.012	6
25	MP1B	X	15.7	.5
26	MP1B	Z	-27.194	.5
27	MP1B	Mx	.022	.5
28	MP1B	X	15.7	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP1B	Z	-27.194	6
30	MP1B	Mx	.022	6
31	MP1C	X	18.783	.5
32	MP1C	Z	-32.533	.5
33	MP1C	Mx	-.031	.5
34	MP1C	X	18.783	6
35	MP1C	Z	-32.533	6
36	MP1C	Mx	-.031	6
37	MP3A	X	8.451	2.25
38	MP3A	Z	-14.638	2.25
39	MP3A	Mx	-.004	2.25
40	MP3A	X	8.451	4.25
41	MP3A	Z	-14.638	4.25
42	MP3A	Mx	-.004	4.25
43	MP3B	X	4.866	2.25
44	MP3B	Z	-8.428	2.25
45	MP3B	Mx	.005	2.25
46	MP3B	X	4.866	4.25
47	MP3B	Z	-8.428	4.25
48	MP3B	Mx	.005	4.25
49	MP3C	X	8.451	2.25
50	MP3C	Z	-14.638	2.25
51	MP3C	Mx	-.004	2.25
52	MP3C	X	8.451	4.25
53	MP3C	Z	-14.638	4.25
54	MP3C	Mx	-.004	4.25
55	MP4A	X	10.398	.75
56	MP4A	Z	-18.01	.75
57	MP4A	Mx	-.005	.75
58	MP4A	X	10.398	5.75
59	MP4A	Z	-18.01	5.75
60	MP4A	Mx	-.005	5.75
61	MP4B	X	7.923	.75
62	MP4B	Z	-13.722	.75
63	MP4B	Mx	.007	.75
64	MP4B	X	7.923	5.75
65	MP4B	Z	-13.722	5.75
66	MP4B	Mx	.007	5.75
67	MP4C	X	10.398	.75
68	MP4C	Z	-18.01	.75
69	MP4C	Mx	-.005	.75
70	MP4C	X	10.398	5.75
71	MP4C	Z	-18.01	5.75
72	MP4C	Mx	-.005	5.75
73	R1	X	8.823	1.5
74	R1	Z	-15.282	1.5
75	R1	Mx	-.009	1.5
76	MP2A	X	7.443	4
77	MP2A	Z	-12.892	4
78	MP2A	Mx	.004	4
79	MP2B	X	5.232	4
80	MP2B	Z	-9.062	4
81	MP2B	Mx	-.005	4
82	MP2C	X	7.443	4
83	MP2C	Z	-12.892	4
84	MP2C	Mx	.004	4
85	MP1A	X	7.684	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP1A	Z	-13.309	4
87	MP1A	Mx	.004	4
88	MP1B	X	6.081	4
89	MP1B	Z	-10.533	4
90	MP1B	Mx	-.006	4
91	MP1C	X	7.684	4
92	MP1C	Z	-13.309	4
93	MP1C	Mx	.004	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	28.316	.5
2	MP1A	Z	-16.348	.5
3	MP1A	Mx	-.025	.5
4	MP1A	X	28.316	6
5	MP1A	Z	-16.348	6
6	MP1A	Mx	-.025	6
7	MP1B	X	31.157	.5
8	MP1B	Z	-17.988	.5
9	MP1B	Mx	-.007	.5
10	MP1B	X	31.157	6
11	MP1B	Z	-17.988	6
12	MP1B	Mx	-.007	6
13	MP1C	X	34.642	.5
14	MP1C	Z	-20	.5
15	MP1C	Mx	.027	.5
16	MP1C	X	34.642	6
17	MP1C	Z	-20	6
18	MP1C	Mx	.027	6
19	MP1A	X	28.316	.5
20	MP1A	Z	-16.348	.5
21	MP1A	Mx	-.003	.5
22	MP1A	X	28.316	6
23	MP1A	Z	-16.348	6
24	MP1A	Mx	-.003	6
25	MP1B	X	31.157	.5
26	MP1B	Z	-17.988	.5
27	MP1B	Mx	.03	.5
28	MP1B	X	31.157	6
29	MP1B	Z	-17.988	6
30	MP1B	Mx	.03	6
31	MP1C	X	34.642	.5
32	MP1C	Z	-20	.5
33	MP1C	Mx	-.027	.5
34	MP1C	X	34.642	6
35	MP1C	Z	-20	6
36	MP1C	Mx	-.027	6
37	MP3A	X	9.733	2.25
38	MP3A	Z	-5.619	2.25
39	MP3A	Mx	-.005	2.25
40	MP3A	X	9.733	4.25
41	MP3A	Z	-5.619	4.25
42	MP3A	Mx	-.005	4.25
43	MP3B	X	13.037	2.25
44	MP3B	Z	-7.527	2.25
45	MP3B	Mx	.005	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP3B	X	13.037	4.25
47	MP3B	Z	-7.527	4.25
48	MP3B	Mx	.005	4.25
49	MP3C	X	17.09	2.25
50	MP3C	Z	-9.867	2.25
51	MP3C	Mx	0	2.25
52	MP3C	X	17.09	4.25
53	MP3C	Z	-9.867	4.25
54	MP3C	Mx	0	4.25
55	MP4A	X	14.623	.75
56	MP4A	Z	-8.443	.75
57	MP4A	Mx	-.007	.75
58	MP4A	X	14.623	5.75
59	MP4A	Z	-8.443	5.75
60	MP4A	Mx	-.007	5.75
61	MP4B	X	16.905	.75
62	MP4B	Z	-9.76	.75
63	MP4B	Mx	.006	.75
64	MP4B	X	16.905	5.75
65	MP4B	Z	-9.76	5.75
66	MP4B	Mx	.006	5.75
67	MP4C	X	19.704	.75
68	MP4C	Z	-11.376	.75
69	MP4C	Mx	0	.75
70	MP4C	X	19.704	5.75
71	MP4C	Z	-11.376	5.75
72	MP4C	Mx	0	5.75
73	R1	X	17.045	1.5
74	R1	Z	-9.841	1.5
75	R1	Mx	-.009	1.5
76	MP2A	X	9.867	4
77	MP2A	Z	-5.697	4
78	MP2A	Mx	.005	4
79	MP2B	X	11.905	4
80	MP2B	Z	-6.873	4
81	MP2B	Mx	-.004	4
82	MP2C	X	14.405	4
83	MP2C	Z	-8.317	4
84	MP2C	Mx	0	4
85	MP1A	X	11.117	4
86	MP1A	Z	-6.418	4
87	MP1A	Mx	.006	4
88	MP1B	X	12.593	4
89	MP1B	Z	-7.271	4
90	MP1B	Mx	-.005	4
91	MP1C	X	14.405	4
92	MP1C	Z	-8.317	4
93	MP1C	Mx	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	30.261	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	-.015	.5
4	MP1A	X	30.261	6
5	MP1A	Z	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP1A	Mx	-.015	6
7	MP1B	X	39.707	.5
8	MP1B	Z	0	.5
9	MP1B	Mx	-.023	.5
10	MP1B	X	39.707	6
11	MP1B	Z	0	6
12	MP1B	Mx	-.023	6
13	MP1C	X	37.566	.5
14	MP1C	Z	0	.5
15	MP1C	Mx	.031	.5
16	MP1C	X	37.566	6
17	MP1C	Z	0	6
18	MP1C	Mx	.031	6
19	MP1A	X	30.261	.5
20	MP1A	Z	0	.5
21	MP1A	Mx	-.015	.5
22	MP1A	X	30.261	6
23	MP1A	Z	0	6
24	MP1A	Mx	-.015	6
25	MP1B	X	39.707	.5
26	MP1B	Z	0	.5
27	MP1B	Mx	.03	.5
28	MP1B	X	39.707	6
29	MP1B	Z	0	6
30	MP1B	Mx	.03	6
31	MP1C	X	37.566	.5
32	MP1C	Z	0	.5
33	MP1C	Mx	-.012	.5
34	MP1C	X	37.566	6
35	MP1C	Z	0	6
36	MP1C	Mx	-.012	6
37	MP3A	X	8.407	2.25
38	MP3A	Z	0	2.25
39	MP3A	Mx	-.004	2.25
40	MP3A	X	8.407	4.25
41	MP3A	Z	0	4.25
42	MP3A	Mx	-.004	4.25
43	MP3B	X	19.393	2.25
44	MP3B	Z	0	2.25
45	MP3B	Mx	.002	2.25
46	MP3B	X	19.393	4.25
47	MP3B	Z	0	4.25
48	MP3B	Mx	.002	4.25
49	MP3C	X	16.902	2.25
50	MP3C	Z	0	2.25
51	MP3C	Mx	.004	2.25
52	MP3C	X	16.902	4.25
53	MP3C	Z	0	4.25
54	MP3C	Mx	.004	4.25
55	MP4A	X	14.93	.75
56	MP4A	Z	0	.75
57	MP4A	Mx	-.007	.75
58	MP4A	X	14.93	5.75
59	MP4A	Z	0	5.75
60	MP4A	Mx	-.007	5.75
61	MP4B	X	22.516	.75
62	MP4B	Z	0	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP4B	Mx	.002	.75
64	MP4B	X	22.516	5.75
65	MP4B	Z	0	5.75
66	MP4B	Mx	.002	5.75
67	MP4C	X	20.796	.75
68	MP4C	Z	0	.75
69	MP4C	Mx	.005	.75
70	MP4C	X	20.796	5.75
71	MP4C	Z	0	5.75
72	MP4C	Mx	.005	5.75
73	R1	X	23.753	1.5
74	R1	Z	0	1.5
75	R1	Mx	-.006	1.5
76	MP2A	X	9.647	4
77	MP2A	Z	0	4
78	MP2A	Mx	.005	4
79	MP2B	X	16.423	4
80	MP2B	Z	0	4
81	MP2B	Mx	-.001	4
82	MP2C	X	14.887	4
83	MP2C	Z	0	4
84	MP2C	Mx	-.004	4
85	MP1A	X	11.571	4
86	MP1A	Z	0	4
87	MP1A	Mx	.006	4
88	MP1B	X	16.481	4
89	MP1B	Z	0	4
90	MP1B	Mx	-.001	4
91	MP1C	X	15.368	4
92	MP1C	Z	0	4
93	MP1C	Mx	-.004	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	28.316	.5
2	MP1A	Z	16.348	.5
3	MP1A	Mx	-.003	.5
4	MP1A	X	28.316	6
5	MP1A	Z	16.348	6
6	MP1A	Mx	-.003	6
7	MP1B	X	33.655	.5
8	MP1B	Z	19.431	.5
9	MP1B	Mx	-.031	.5
10	MP1B	X	33.655	6
11	MP1B	Z	19.431	6
12	MP1B	Mx	-.031	6
13	MP1C	X	28.316	.5
14	MP1C	Z	16.348	.5
15	MP1C	Mx	.025	.5
16	MP1C	X	28.316	6
17	MP1C	Z	16.348	6
18	MP1C	Mx	.025	6
19	MP1A	X	28.316	.5
20	MP1A	Z	16.348	.5
21	MP1A	Mx	-.025	.5
22	MP1A	X	28.316	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP1A	Z	16.348	6
24	MP1A	Mx	-.025	6
25	MP1B	X	33.655	.5
26	MP1B	Z	19.431	.5
27	MP1B	Mx	.018	.5
28	MP1B	X	33.655	6
29	MP1B	Z	19.431	6
30	MP1B	Mx	.018	6
31	MP1C	X	28.316	.5
32	MP1C	Z	16.348	.5
33	MP1C	Mx	.003	.5
34	MP1C	X	28.316	6
35	MP1C	Z	16.348	6
36	MP1C	Mx	.003	6
37	MP3A	X	9.733	2.25
38	MP3A	Z	5.619	2.25
39	MP3A	Mx	-.005	2.25
40	MP3A	X	9.733	4.25
41	MP3A	Z	5.619	4.25
42	MP3A	Mx	-.005	4.25
43	MP3B	X	15.943	2.25
44	MP3B	Z	9.205	2.25
45	MP3B	Mx	-.003	2.25
46	MP3B	X	15.943	4.25
47	MP3B	Z	9.205	4.25
48	MP3B	Mx	-.003	4.25
49	MP3C	X	9.733	2.25
50	MP3C	Z	5.619	2.25
51	MP3C	Mx	.005	2.25
52	MP3C	X	9.733	4.25
53	MP3C	Z	5.619	4.25
54	MP3C	Mx	.005	4.25
55	MP4A	X	14.623	.75
56	MP4A	Z	8.443	.75
57	MP4A	Mx	-.007	.75
58	MP4A	X	14.623	5.75
59	MP4A	Z	8.443	5.75
60	MP4A	Mx	-.007	5.75
61	MP4B	X	18.911	.75
62	MP4B	Z	10.918	.75
63	MP4B	Mx	-.004	.75
64	MP4B	X	18.911	5.75
65	MP4B	Z	10.918	5.75
66	MP4B	Mx	-.004	5.75
67	MP4C	X	14.623	.75
68	MP4C	Z	8.443	.75
69	MP4C	Mx	.007	.75
70	MP4C	X	14.623	5.75
71	MP4C	Z	8.443	5.75
72	MP4C	Mx	.007	5.75
73	R1	X	22.334	1.5
74	R1	Z	12.895	1.5
75	R1	Mx	0	1.5
76	MP2A	X	9.867	4
77	MP2A	Z	5.697	4
78	MP2A	Mx	.005	4
79	MP2B	X	13.697	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP2B	Z	7.908	4
81	MP2B	Mx	.003	4
82	MP2C	X	9.867	4
83	MP2C	Z	5.697	4
84	MP2C	Mx	-.005	4
85	MP1A	X	11.117	4
86	MP1A	Z	6.418	4
87	MP1A	Mx	.006	4
88	MP1B	X	13.892	4
89	MP1B	Z	8.021	4
90	MP1B	Mx	.003	4
91	MP1C	X	11.117	4
92	MP1C	Z	6.418	4
93	MP1C	Mx	-.006	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	18.783	.5
2	MP1A	Z	32.533	.5
3	MP1A	Mx	.012	.5
4	MP1A	X	18.783	6
5	MP1A	Z	32.533	6
6	MP1A	Mx	.012	6
7	MP1B	X	17.143	.5
8	MP1B	Z	29.692	.5
9	MP1B	Mx	-.028	.5
10	MP1B	X	17.143	6
11	MP1B	Z	29.692	6
12	MP1B	Mx	-.028	6
13	MP1C	X	15.131	.5
14	MP1C	Z	26.207	.5
15	MP1C	Mx	.015	.5
16	MP1C	X	15.131	6
17	MP1C	Z	26.207	6
18	MP1C	Mx	.015	6
19	MP1A	X	18.783	.5
20	MP1A	Z	32.533	.5
21	MP1A	Mx	-.031	.5
22	MP1A	X	18.783	6
23	MP1A	Z	32.533	6
24	MP1A	Mx	-.031	6
25	MP1B	X	17.143	.5
26	MP1B	Z	29.692	.5
27	MP1B	Mx	.002	.5
28	MP1B	X	17.143	6
29	MP1B	Z	29.692	6
30	MP1B	Mx	.002	6
31	MP1C	X	15.131	.5
32	MP1C	Z	26.207	.5
33	MP1C	Mx	.015	.5
34	MP1C	X	15.131	6
35	MP1C	Z	26.207	6
36	MP1C	Mx	.015	6
37	MP3A	X	8.451	2.25
38	MP3A	Z	14.638	2.25
39	MP3A	Mx	-.004	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP3A	X	8.451	4.25
41	MP3A	Z	14.638	4.25
42	MP3A	Mx	-.004	4.25
43	MP3B	X	6.544	2.25
44	MP3B	Z	11.334	2.25
45	MP3B	Mx	-.005	2.25
46	MP3B	X	6.544	4.25
47	MP3B	Z	11.334	4.25
48	MP3B	Mx	-.005	4.25
49	MP3C	X	4.203	2.25
50	MP3C	Z	7.281	2.25
51	MP3C	Mx	.004	2.25
52	MP3C	X	4.203	4.25
53	MP3C	Z	7.281	4.25
54	MP3C	Mx	.004	4.25
55	MP4A	X	10.398	.75
56	MP4A	Z	18.01	.75
57	MP4A	Mx	-.005	.75
58	MP4A	X	10.398	5.75
59	MP4A	Z	18.01	5.75
60	MP4A	Mx	-.005	5.75
61	MP4B	X	9.081	.75
62	MP4B	Z	15.729	.75
63	MP4B	Mx	-.007	.75
64	MP4B	X	9.081	5.75
65	MP4B	Z	15.729	5.75
66	MP4B	Mx	-.007	5.75
67	MP4C	X	7.465	.75
68	MP4C	Z	12.93	.75
69	MP4C	Mx	.007	.75
70	MP4C	X	7.465	5.75
71	MP4C	Z	12.93	5.75
72	MP4C	Mx	.007	5.75
73	R1	X	11.877	1.5
74	R1	Z	20.571	1.5
75	R1	Mx	.006	1.5
76	MP2A	X	7.443	4
77	MP2A	Z	12.892	4
78	MP2A	Mx	.004	4
79	MP2B	X	6.267	4
80	MP2B	Z	10.854	4
81	MP2B	Mx	.005	4
82	MP2C	X	4.823	4
83	MP2C	Z	8.354	4
84	MP2C	Mx	-.005	4
85	MP1A	X	7.684	4
86	MP1A	Z	13.309	4
87	MP1A	Mx	.004	4
88	MP1B	X	6.831	4
89	MP1B	Z	11.832	4
90	MP1B	Mx	.005	4
91	MP1C	X	5.785	4
92	MP1C	Z	10.021	4
93	MP1C	Mx	-.006	4

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	40.001	.5
3	MP1A	Mx	.027	.5
4	MP1A	X	0	6
5	MP1A	Z	40.001	6
6	MP1A	Mx	.027	6
7	MP1B	X	0	.5
8	MP1B	Z	30.555	.5
9	MP1B	Mx	-.019	.5
10	MP1B	X	0	6
11	MP1B	Z	30.555	6
12	MP1B	Mx	-.019	6
13	MP1C	X	0	.5
14	MP1C	Z	32.696	.5
15	MP1C	Mx	.003	.5
16	MP1C	X	0	6
17	MP1C	Z	32.696	6
18	MP1C	Mx	.003	6
19	MP1A	X	0	.5
20	MP1A	Z	40.001	.5
21	MP1A	Mx	-.027	.5
22	MP1A	X	0	6
23	MP1A	Z	40.001	6
24	MP1A	Mx	-.027	6
25	MP1B	X	0	.5
26	MP1B	Z	30.555	.5
27	MP1B	Mx	-.012	.5
28	MP1B	X	0	6
29	MP1B	Z	30.555	6
30	MP1B	Mx	-.012	6
31	MP1C	X	0	.5
32	MP1C	Z	32.696	.5
33	MP1C	Mx	.025	.5
34	MP1C	X	0	6
35	MP1C	Z	32.696	6
36	MP1C	Mx	.025	6
37	MP3A	X	0	2.25
38	MP3A	Z	19.734	2.25
39	MP3A	Mx	0	2.25
40	MP3A	X	0	4.25
41	MP3A	Z	19.734	4.25
42	MP3A	Mx	0	4.25
43	MP3B	X	0	2.25
44	MP3B	Z	8.748	2.25
45	MP3B	Mx	-.004	2.25
46	MP3B	X	0	4.25
47	MP3B	Z	8.748	4.25
48	MP3B	Mx	-.004	4.25
49	MP3C	X	0	2.25
50	MP3C	Z	11.239	2.25
51	MP3C	Mx	.005	2.25
52	MP3C	X	0	4.25
53	MP3C	Z	11.239	4.25
54	MP3C	Mx	.005	4.25
55	MP4A	X	0	.75
56	MP4A	Z	22.752	.75
57	MP4A	Mx	0	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	0	5.75
59	MP4A	Z	22.752	5.75
60	MP4A	Mx	0	5.75
61	MP4B	X	0	.75
62	MP4B	Z	15.166	.75
63	MP4B	Mx	-.007	.75
64	MP4B	X	0	5.75
65	MP4B	Z	15.166	5.75
66	MP4B	Mx	-.007	5.75
67	MP4C	X	0	.75
68	MP4C	Z	16.886	.75
69	MP4C	Mx	.007	.75
70	MP4C	X	0	5.75
71	MP4C	Z	16.886	5.75
72	MP4C	Mx	.007	5.75
73	R1	X	0	1.5
74	R1	Z	19.682	1.5
75	R1	Mx	.009	1.5
76	MP2A	X	0	4
77	MP2A	Z	16.633	4
78	MP2A	Mx	0	4
79	MP2B	X	0	4
80	MP2B	Z	9.858	4
81	MP2B	Mx	.005	4
82	MP2C	X	0	4
83	MP2C	Z	11.393	4
84	MP2C	Mx	-.005	4
85	MP1A	X	0	4
86	MP1A	Z	16.633	4
87	MP1A	Mx	0	4
88	MP1B	X	0	4
89	MP1B	Z	11.723	4
90	MP1B	Mx	.006	4
91	MP1C	X	0	4
92	MP1C	Z	12.836	4
93	MP1C	Mx	-.006	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-18.783	.5
2	MP1A	Z	32.533	.5
3	MP1A	Mx	.031	.5
4	MP1A	X	-18.783	6
5	MP1A	Z	32.533	6
6	MP1A	Mx	.031	6
7	MP1B	X	-15.7	.5
8	MP1B	Z	27.194	.5
9	MP1B	Mx	-.008	.5
10	MP1B	X	-15.7	6
11	MP1B	Z	27.194	6
12	MP1B	Mx	-.008	6
13	MP1C	X	-18.783	.5
14	MP1C	Z	32.533	.5
15	MP1C	Mx	-.012	.5
16	MP1C	X	-18.783	6
17	MP1C	Z	32.533	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP1C	Mx	-.012	6
19	MP1A	X	-18.783	.5
20	MP1A	Z	32.533	.5
21	MP1A	Mx	-.012	.5
22	MP1A	X	-18.783	6
23	MP1A	Z	32.533	6
24	MP1A	Mx	-.012	6
25	MP1B	X	-15.7	.5
26	MP1B	Z	27.194	.5
27	MP1B	Mx	-.022	.5
28	MP1B	X	-15.7	6
29	MP1B	Z	27.194	6
30	MP1B	Mx	-.022	6
31	MP1C	X	-18.783	.5
32	MP1C	Z	32.533	.5
33	MP1C	Mx	.031	.5
34	MP1C	X	-18.783	6
35	MP1C	Z	32.533	6
36	MP1C	Mx	.031	6
37	MP3A	X	-8.451	2.25
38	MP3A	Z	14.638	2.25
39	MP3A	Mx	.004	2.25
40	MP3A	X	-8.451	4.25
41	MP3A	Z	14.638	4.25
42	MP3A	Mx	.004	4.25
43	MP3B	X	-4.866	2.25
44	MP3B	Z	8.428	2.25
45	MP3B	Mx	-.005	2.25
46	MP3B	X	-4.866	4.25
47	MP3B	Z	8.428	4.25
48	MP3B	Mx	-.005	4.25
49	MP3C	X	-8.451	2.25
50	MP3C	Z	14.638	2.25
51	MP3C	Mx	.004	2.25
52	MP3C	X	-8.451	4.25
53	MP3C	Z	14.638	4.25
54	MP3C	Mx	.004	4.25
55	MP4A	X	-10.398	.75
56	MP4A	Z	18.01	.75
57	MP4A	Mx	.005	.75
58	MP4A	X	-10.398	5.75
59	MP4A	Z	18.01	5.75
60	MP4A	Mx	.005	5.75
61	MP4B	X	-7.923	.75
62	MP4B	Z	13.722	.75
63	MP4B	Mx	-.007	.75
64	MP4B	X	-7.923	5.75
65	MP4B	Z	13.722	5.75
66	MP4B	Mx	-.007	5.75
67	MP4C	X	-10.398	.75
68	MP4C	Z	18.01	.75
69	MP4C	Mx	.005	.75
70	MP4C	X	-10.398	5.75
71	MP4C	Z	18.01	5.75
72	MP4C	Mx	.005	5.75
73	R1	X	-8.823	1.5
74	R1	Z	15.282	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	R1	Mx	.009	1.5
76	MP2A	X	-7.443	4
77	MP2A	Z	12.892	4
78	MP2A	Mx	-.004	4
79	MP2B	X	-5.232	4
80	MP2B	Z	9.062	4
81	MP2B	Mx	.005	4
82	MP2C	X	-7.443	4
83	MP2C	Z	12.892	4
84	MP2C	Mx	-.004	4
85	MP1A	X	-7.684	4
86	MP1A	Z	13.309	4
87	MP1A	Mx	-.004	4
88	MP1B	X	-6.081	4
89	MP1B	Z	10.533	4
90	MP1B	Mx	.006	4
91	MP1C	X	-7.684	4
92	MP1C	Z	13.309	4
93	MP1C	Mx	-.004	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-28.316	.5
2	MP1A	Z	16.348	.5
3	MP1A	Mx	.025	.5
4	MP1A	X	-28.316	6
5	MP1A	Z	16.348	6
6	MP1A	Mx	.025	6
7	MP1B	X	-31.157	.5
8	MP1B	Z	17.988	.5
9	MP1B	Mx	.007	.5
10	MP1B	X	-31.157	6
11	MP1B	Z	17.988	6
12	MP1B	Mx	.007	6
13	MP1C	X	-34.642	.5
14	MP1C	Z	20	.5
15	MP1C	Mx	-.027	.5
16	MP1C	X	-34.642	6
17	MP1C	Z	20	6
18	MP1C	Mx	-.027	6
19	MP1A	X	-28.316	.5
20	MP1A	Z	16.348	.5
21	MP1A	Mx	.003	.5
22	MP1A	X	-28.316	6
23	MP1A	Z	16.348	6
24	MP1A	Mx	.003	6
25	MP1B	X	-31.157	.5
26	MP1B	Z	17.988	.5
27	MP1B	Mx	-.03	.5
28	MP1B	X	-31.157	6
29	MP1B	Z	17.988	6
30	MP1B	Mx	-.03	6
31	MP1C	X	-34.642	.5
32	MP1C	Z	20	.5
33	MP1C	Mx	.027	.5
34	MP1C	X	-34.642	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP1C	Z	20	6
36	MP1C	Mx	.027	6
37	MP3A	X	-9.733	2.25
38	MP3A	Z	5.619	2.25
39	MP3A	Mx	.005	2.25
40	MP3A	X	-9.733	4.25
41	MP3A	Z	5.619	4.25
42	MP3A	Mx	.005	4.25
43	MP3B	X	-13.037	2.25
44	MP3B	Z	7.527	2.25
45	MP3B	Mx	-.005	2.25
46	MP3B	X	-13.037	4.25
47	MP3B	Z	7.527	4.25
48	MP3B	Mx	-.005	4.25
49	MP3C	X	-17.09	2.25
50	MP3C	Z	9.867	2.25
51	MP3C	Mx	0	2.25
52	MP3C	X	-17.09	4.25
53	MP3C	Z	9.867	4.25
54	MP3C	Mx	0	4.25
55	MP4A	X	-14.623	.75
56	MP4A	Z	8.443	.75
57	MP4A	Mx	.007	.75
58	MP4A	X	-14.623	5.75
59	MP4A	Z	8.443	5.75
60	MP4A	Mx	.007	5.75
61	MP4B	X	-16.905	.75
62	MP4B	Z	9.76	.75
63	MP4B	Mx	-.006	.75
64	MP4B	X	-16.905	5.75
65	MP4B	Z	9.76	5.75
66	MP4B	Mx	-.006	5.75
67	MP4C	X	-19.704	.75
68	MP4C	Z	11.376	.75
69	MP4C	Mx	0	.75
70	MP4C	X	-19.704	5.75
71	MP4C	Z	11.376	5.75
72	MP4C	Mx	0	5.75
73	R1	X	-17.045	1.5
74	R1	Z	9.841	1.5
75	R1	Mx	.009	1.5
76	MP2A	X	-9.867	4
77	MP2A	Z	5.697	4
78	MP2A	Mx	-.005	4
79	MP2B	X	-11.905	4
80	MP2B	Z	6.873	4
81	MP2B	Mx	.004	4
82	MP2C	X	-14.405	4
83	MP2C	Z	8.317	4
84	MP2C	Mx	0	4
85	MP1A	X	-11.117	4
86	MP1A	Z	6.418	4
87	MP1A	Mx	-.006	4
88	MP1B	X	-12.593	4
89	MP1B	Z	7.271	4
90	MP1B	Mx	.005	4
91	MP1C	X	-14.405	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP1C	Z	8.317	4
93	MP1C	Mx	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-30.261	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	.015	.5
4	MP1A	X	-30.261	6
5	MP1A	Z	0	6
6	MP1A	Mx	.015	6
7	MP1B	X	-39.707	.5
8	MP1B	Z	0	.5
9	MP1B	Mx	.023	.5
10	MP1B	X	-39.707	6
11	MP1B	Z	0	6
12	MP1B	Mx	.023	6
13	MP1C	X	-37.566	.5
14	MP1C	Z	0	.5
15	MP1C	Mx	-.031	.5
16	MP1C	X	-37.566	6
17	MP1C	Z	0	6
18	MP1C	Mx	-.031	6
19	MP1A	X	-30.261	.5
20	MP1A	Z	0	.5
21	MP1A	Mx	.015	.5
22	MP1A	X	-30.261	6
23	MP1A	Z	0	6
24	MP1A	Mx	.015	6
25	MP1B	X	-39.707	.5
26	MP1B	Z	0	.5
27	MP1B	Mx	-.03	.5
28	MP1B	X	-39.707	6
29	MP1B	Z	0	6
30	MP1B	Mx	-.03	6
31	MP1C	X	-37.566	.5
32	MP1C	Z	0	.5
33	MP1C	Mx	.012	.5
34	MP1C	X	-37.566	6
35	MP1C	Z	0	6
36	MP1C	Mx	.012	6
37	MP3A	X	-8.407	2.25
38	MP3A	Z	0	2.25
39	MP3A	Mx	.004	2.25
40	MP3A	X	-8.407	4.25
41	MP3A	Z	0	4.25
42	MP3A	Mx	.004	4.25
43	MP3B	X	-19.393	2.25
44	MP3B	Z	0	2.25
45	MP3B	Mx	-.002	2.25
46	MP3B	X	-19.393	4.25
47	MP3B	Z	0	4.25
48	MP3B	Mx	-.002	4.25
49	MP3C	X	-16.902	2.25
50	MP3C	Z	0	2.25
51	MP3C	Mx	-.004	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP3C	X	-16.902	4.25
53	MP3C	Z	0	4.25
54	MP3C	Mx	-.004	4.25
55	MP4A	X	-14.93	.75
56	MP4A	Z	0	.75
57	MP4A	Mx	.007	.75
58	MP4A	X	-14.93	5.75
59	MP4A	Z	0	5.75
60	MP4A	Mx	.007	5.75
61	MP4B	X	-22.516	.75
62	MP4B	Z	0	.75
63	MP4B	Mx	-.002	.75
64	MP4B	X	-22.516	5.75
65	MP4B	Z	0	5.75
66	MP4B	Mx	-.002	5.75
67	MP4C	X	-20.796	.75
68	MP4C	Z	0	.75
69	MP4C	Mx	-.005	.75
70	MP4C	X	-20.796	5.75
71	MP4C	Z	0	5.75
72	MP4C	Mx	-.005	5.75
73	R1	X	-23.753	1.5
74	R1	Z	0	1.5
75	R1	Mx	.006	1.5
76	MP2A	X	-9.647	4
77	MP2A	Z	0	4
78	MP2A	Mx	-.005	4
79	MP2B	X	-16.423	4
80	MP2B	Z	0	4
81	MP2B	Mx	.001	4
82	MP2C	X	-14.887	4
83	MP2C	Z	0	4
84	MP2C	Mx	.004	4
85	MP1A	X	-11.571	4
86	MP1A	Z	0	4
87	MP1A	Mx	-.006	4
88	MP1B	X	-16.481	4
89	MP1B	Z	0	4
90	MP1B	Mx	.001	4
91	MP1C	X	-15.368	4
92	MP1C	Z	0	4
93	MP1C	Mx	.004	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-28.316	.5
2	MP1A	Z	-16.348	.5
3	MP1A	Mx	.003	.5
4	MP1A	X	-28.316	6
5	MP1A	Z	-16.348	6
6	MP1A	Mx	.003	6
7	MP1B	X	-33.655	.5
8	MP1B	Z	-19.431	.5
9	MP1B	Mx	.031	.5
10	MP1B	X	-33.655	6
11	MP1B	Z	-19.431	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP1B	Mx	.031	6
13	MP1C	X	-28.316	.5
14	MP1C	Z	-16.348	.5
15	MP1C	Mx	-.025	.5
16	MP1C	X	-28.316	6
17	MP1C	Z	-16.348	6
18	MP1C	Mx	-.025	6
19	MP1A	X	-28.316	.5
20	MP1A	Z	-16.348	.5
21	MP1A	Mx	.025	.5
22	MP1A	X	-28.316	6
23	MP1A	Z	-16.348	6
24	MP1A	Mx	.025	6
25	MP1B	X	-33.655	.5
26	MP1B	Z	-19.431	.5
27	MP1B	Mx	-.018	.5
28	MP1B	X	-33.655	6
29	MP1B	Z	-19.431	6
30	MP1B	Mx	-.018	6
31	MP1C	X	-28.316	.5
32	MP1C	Z	-16.348	.5
33	MP1C	Mx	-.003	.5
34	MP1C	X	-28.316	6
35	MP1C	Z	-16.348	6
36	MP1C	Mx	-.003	6
37	MP3A	X	-9.733	2.25
38	MP3A	Z	-5.619	2.25
39	MP3A	Mx	.005	2.25
40	MP3A	X	-9.733	4.25
41	MP3A	Z	-5.619	4.25
42	MP3A	Mx	.005	4.25
43	MP3B	X	-15.943	2.25
44	MP3B	Z	-9.205	2.25
45	MP3B	Mx	.003	2.25
46	MP3B	X	-15.943	4.25
47	MP3B	Z	-9.205	4.25
48	MP3B	Mx	.003	4.25
49	MP3C	X	-9.733	2.25
50	MP3C	Z	-5.619	2.25
51	MP3C	Mx	-.005	2.25
52	MP3C	X	-9.733	4.25
53	MP3C	Z	-5.619	4.25
54	MP3C	Mx	-.005	4.25
55	MP4A	X	-14.623	.75
56	MP4A	Z	-8.443	.75
57	MP4A	Mx	.007	.75
58	MP4A	X	-14.623	5.75
59	MP4A	Z	-8.443	5.75
60	MP4A	Mx	.007	5.75
61	MP4B	X	-18.911	.75
62	MP4B	Z	-10.918	.75
63	MP4B	Mx	.004	.75
64	MP4B	X	-18.911	5.75
65	MP4B	Z	-10.918	5.75
66	MP4B	Mx	.004	5.75
67	MP4C	X	-14.623	.75
68	MP4C	Z	-8.443	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP4C	Mx	-.007	.75
70	MP4C	X	-14.623	5.75
71	MP4C	Z	-8.443	5.75
72	MP4C	Mx	-.007	5.75
73	R1	X	-22.334	1.5
74	R1	Z	-12.895	1.5
75	R1	Mx	0	1.5
76	MP2A	X	-9.867	4
77	MP2A	Z	-5.697	4
78	MP2A	Mx	-.005	4
79	MP2B	X	-13.697	4
80	MP2B	Z	-7.908	4
81	MP2B	Mx	-.003	4
82	MP2C	X	-9.867	4
83	MP2C	Z	-5.697	4
84	MP2C	Mx	.005	4
85	MP1A	X	-11.117	4
86	MP1A	Z	-6.418	4
87	MP1A	Mx	-.006	4
88	MP1B	X	-13.892	4
89	MP1B	Z	-8.021	4
90	MP1B	Mx	-.003	4
91	MP1C	X	-11.117	4
92	MP1C	Z	-6.418	4
93	MP1C	Mx	.006	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-18.783	.5
2	MP1A	Z	-32.533	.5
3	MP1A	Mx	-.012	.5
4	MP1A	X	-18.783	6
5	MP1A	Z	-32.533	6
6	MP1A	Mx	-.012	6
7	MP1B	X	-17.143	.5
8	MP1B	Z	-29.692	.5
9	MP1B	Mx	.028	.5
10	MP1B	X	-17.143	6
11	MP1B	Z	-29.692	6
12	MP1B	Mx	.028	6
13	MP1C	X	-15.131	.5
14	MP1C	Z	-26.207	.5
15	MP1C	Mx	-.015	.5
16	MP1C	X	-15.131	6
17	MP1C	Z	-26.207	6
18	MP1C	Mx	-.015	6
19	MP1A	X	-18.783	.5
20	MP1A	Z	-32.533	.5
21	MP1A	Mx	.031	.5
22	MP1A	X	-18.783	6
23	MP1A	Z	-32.533	6
24	MP1A	Mx	.031	6
25	MP1B	X	-17.143	.5
26	MP1B	Z	-29.692	.5
27	MP1B	Mx	-.002	.5
28	MP1B	X	-17.143	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP1B	Z	-29.692	6
30	MP1B	Mx	-.002	6
31	MP1C	X	-15.131	.5
32	MP1C	Z	-26.207	.5
33	MP1C	Mx	-.015	.5
34	MP1C	X	-15.131	6
35	MP1C	Z	-26.207	6
36	MP1C	Mx	-.015	6
37	MP3A	X	-8.451	2.25
38	MP3A	Z	-14.638	2.25
39	MP3A	Mx	.004	2.25
40	MP3A	X	-8.451	4.25
41	MP3A	Z	-14.638	4.25
42	MP3A	Mx	.004	4.25
43	MP3B	X	-6.544	2.25
44	MP3B	Z	-11.334	2.25
45	MP3B	Mx	.005	2.25
46	MP3B	X	-6.544	4.25
47	MP3B	Z	-11.334	4.25
48	MP3B	Mx	.005	4.25
49	MP3C	X	-4.203	2.25
50	MP3C	Z	-7.281	2.25
51	MP3C	Mx	-.004	2.25
52	MP3C	X	-4.203	4.25
53	MP3C	Z	-7.281	4.25
54	MP3C	Mx	-.004	4.25
55	MP4A	X	-10.398	.75
56	MP4A	Z	-18.01	.75
57	MP4A	Mx	.005	.75
58	MP4A	X	-10.398	5.75
59	MP4A	Z	-18.01	5.75
60	MP4A	Mx	.005	5.75
61	MP4B	X	-9.081	.75
62	MP4B	Z	-15.729	.75
63	MP4B	Mx	.007	.75
64	MP4B	X	-9.081	5.75
65	MP4B	Z	-15.729	5.75
66	MP4B	Mx	.007	5.75
67	MP4C	X	-7.465	.75
68	MP4C	Z	-12.93	.75
69	MP4C	Mx	-.007	.75
70	MP4C	X	-7.465	5.75
71	MP4C	Z	-12.93	5.75
72	MP4C	Mx	-.007	5.75
73	R1	X	-11.877	1.5
74	R1	Z	-20.571	1.5
75	R1	Mx	-.006	1.5
76	MP2A	X	-7.443	4
77	MP2A	Z	-12.892	4
78	MP2A	Mx	-.004	4
79	MP2B	X	-6.267	4
80	MP2B	Z	-10.854	4
81	MP2B	Mx	-.005	4
82	MP2C	X	-4.823	4
83	MP2C	Z	-8.354	4
84	MP2C	Mx	.005	4
85	MP1A	X	-7.684	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP1A	Z	-13.309	4
87	MP1A	Mx	-.004	4
88	MP1B	X	-6.831	4
89	MP1B	Z	-11.832	4
90	MP1B	Mx	-.005	4
91	MP1C	X	-5.785	4
92	MP1C	Z	-10.021	4
93	MP1C	Mx	.006	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	-13.204	.5
3	MP1A	Mx	-.009	.5
4	MP1A	X	0	6
5	MP1A	Z	-13.204	6
6	MP1A	Mx	-.009	6
7	MP1B	X	0	.5
8	MP1B	Z	-9.919	.5
9	MP1B	Mx	.006	.5
10	MP1B	X	0	6
11	MP1B	Z	-9.919	6
12	MP1B	Mx	.006	6
13	MP1C	X	0	.5
14	MP1C	Z	-10.664	.5
15	MP1C	Mx	-.001	.5
16	MP1C	X	0	6
17	MP1C	Z	-10.664	6
18	MP1C	Mx	-.001	6
19	MP1A	X	0	.5
20	MP1A	Z	-13.204	.5
21	MP1A	Mx	.009	.5
22	MP1A	X	0	6
23	MP1A	Z	-13.204	6
24	MP1A	Mx	.009	6
25	MP1B	X	0	.5
26	MP1B	Z	-9.919	.5
27	MP1B	Mx	.004	.5
28	MP1B	X	0	6
29	MP1B	Z	-9.919	6
30	MP1B	Mx	.004	6
31	MP1C	X	0	.5
32	MP1C	Z	-10.664	.5
33	MP1C	Mx	-.008	.5
34	MP1C	X	0	6
35	MP1C	Z	-10.664	6
36	MP1C	Mx	-.008	6
37	MP3A	X	0	2.25
38	MP3A	Z	-6.288	2.25
39	MP3A	Mx	0	2.25
40	MP3A	X	0	4.25
41	MP3A	Z	-6.288	4.25
42	MP3A	Mx	0	4.25
43	MP3B	X	0	2.25
44	MP3B	Z	-2.577	2.25
45	MP3B	Mx	.001	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP3B	X	0	4.25
47	MP3B	Z	-2.577	4.25
48	MP3B	Mx	.001	4.25
49	MP3C	X	0	2.25
50	MP3C	Z	-3.418	2.25
51	MP3C	Mx	-.001	2.25
52	MP3C	X	0	4.25
53	MP3C	Z	-3.418	4.25
54	MP3C	Mx	-.001	4.25
55	MP4A	X	0	.75
56	MP4A	Z	-7.077	.75
57	MP4A	Mx	0	.75
58	MP4A	X	0	5.75
59	MP4A	Z	-7.077	5.75
60	MP4A	Mx	0	5.75
61	MP4B	X	0	.75
62	MP4B	Z	-4.497	.75
63	MP4B	Mx	.002	.75
64	MP4B	X	0	5.75
65	MP4B	Z	-4.497	5.75
66	MP4B	Mx	.002	5.75
67	MP4C	X	0	.75
68	MP4C	Z	-5.082	.75
69	MP4C	Mx	-.002	.75
70	MP4C	X	0	5.75
71	MP4C	Z	-5.082	5.75
72	MP4C	Mx	-.002	5.75
73	R1	X	0	1.5
74	R1	Z	-5.975	1.5
75	R1	Mx	-.003	1.5
76	MP2A	X	0	4
77	MP2A	Z	-5.003	4
78	MP2A	Mx	0	4
79	MP2B	X	0	4
80	MP2B	Z	-2.778	4
81	MP2B	Mx	-.001	4
82	MP2C	X	0	4
83	MP2C	Z	-3.283	4
84	MP2C	Mx	.001	4
85	MP1A	X	0	4
86	MP1A	Z	-5.003	4
87	MP1A	Mx	0	4
88	MP1B	X	0	4
89	MP1B	Z	-3.395	4
90	MP1B	Mx	-.002	4
91	MP1C	X	0	4
92	MP1C	Z	-3.759	4
93	MP1C	Mx	.002	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	6.179	.5
2	MP1A	Z	-10.702	.5
3	MP1A	Mx	-.01	.5
4	MP1A	X	6.179	6
5	MP1A	Z	-10.702	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP1A	Mx	-.01	6
7	MP1B	X	5.107	.5
8	MP1B	Z	-8.845	.5
9	MP1B	Mx	.002	.5
10	MP1B	X	5.107	6
11	MP1B	Z	-8.845	6
12	MP1B	Mx	.002	6
13	MP1C	X	6.179	.5
14	MP1C	Z	-10.702	.5
15	MP1C	Mx	.004	.5
16	MP1C	X	6.179	6
17	MP1C	Z	-10.702	6
18	MP1C	Mx	.004	6
19	MP1A	X	6.179	.5
20	MP1A	Z	-10.702	.5
21	MP1A	Mx	.004	.5
22	MP1A	X	6.179	6
23	MP1A	Z	-10.702	6
24	MP1A	Mx	.004	6
25	MP1B	X	5.107	.5
26	MP1B	Z	-8.845	.5
27	MP1B	Mx	.007	.5
28	MP1B	X	5.107	6
29	MP1B	Z	-8.845	6
30	MP1B	Mx	.007	6
31	MP1C	X	6.179	.5
32	MP1C	Z	-10.702	.5
33	MP1C	Mx	-.01	.5
34	MP1C	X	6.179	6
35	MP1C	Z	-10.702	6
36	MP1C	Mx	-.01	6
37	MP3A	X	2.666	2.25
38	MP3A	Z	-4.617	2.25
39	MP3A	Mx	-.001	2.25
40	MP3A	X	2.666	4.25
41	MP3A	Z	-4.617	4.25
42	MP3A	Mx	-.001	4.25
43	MP3B	X	1.455	2.25
44	MP3B	Z	-2.519	2.25
45	MP3B	Mx	.001	2.25
46	MP3B	X	1.455	4.25
47	MP3B	Z	-2.519	4.25
48	MP3B	Mx	.001	4.25
49	MP3C	X	2.666	2.25
50	MP3C	Z	-4.617	2.25
51	MP3C	Mx	-.001	2.25
52	MP3C	X	2.666	4.25
53	MP3C	Z	-4.617	4.25
54	MP3C	Mx	-.001	4.25
55	MP4A	X	3.206	.75
56	MP4A	Z	-5.553	.75
57	MP4A	Mx	-.002	.75
58	MP4A	X	3.206	5.75
59	MP4A	Z	-5.553	5.75
60	MP4A	Mx	-.002	5.75
61	MP4B	X	2.364	.75
62	MP4B	Z	-4.094	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP4B	Mx	.002	.75
64	MP4B	X	2.364	5.75
65	MP4B	Z	-4.094	5.75
66	MP4B	Mx	.002	5.75
67	MP4C	X	3.206	.75
68	MP4C	Z	-5.553	.75
69	MP4C	Mx	-.002	.75
70	MP4C	X	3.206	5.75
71	MP4C	Z	-5.553	5.75
72	MP4C	Mx	-.002	5.75
73	R1	X	2.641	1.5
74	R1	Z	-4.574	1.5
75	R1	Mx	-.003	1.5
76	MP2A	X	2.215	4
77	MP2A	Z	-3.836	4
78	MP2A	Mx	.001	4
79	MP2B	X	1.489	4
80	MP2B	Z	-2.579	4
81	MP2B	Mx	-.001	4
82	MP2C	X	2.215	4
83	MP2C	Z	-3.836	4
84	MP2C	Mx	.001	4
85	MP1A	X	2.294	4
86	MP1A	Z	-3.974	4
87	MP1A	Mx	.001	4
88	MP1B	X	1.769	4
89	MP1B	Z	-3.065	4
90	MP1B	Mx	-.002	4
91	MP1C	X	2.294	4
92	MP1C	Z	-3.974	4
93	MP1C	Mx	.001	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	9.235	.5
2	MP1A	Z	-5.332	.5
3	MP1A	Mx	-.008	.5
4	MP1A	X	9.235	6
5	MP1A	Z	-5.332	6
6	MP1A	Mx	-.008	6
7	MP1B	X	10.223	.5
8	MP1B	Z	-5.902	.5
9	MP1B	Mx	-.002	.5
10	MP1B	X	10.223	6
11	MP1B	Z	-5.902	6
12	MP1B	Mx	-.002	6
13	MP1C	X	11.435	.5
14	MP1C	Z	-6.602	.5
15	MP1C	Mx	.009	.5
16	MP1C	X	11.435	6
17	MP1C	Z	-6.602	6
18	MP1C	Mx	.009	6
19	MP1A	X	9.235	.5
20	MP1A	Z	-5.332	.5
21	MP1A	Mx	-.001	.5
22	MP1A	X	9.235	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP1A	Z	-5.332	6
24	MP1A	Mx	-.001	6
25	MP1B	X	10.223	.5
26	MP1B	Z	-5.902	.5
27	MP1B	Mx	.01	.5
28	MP1B	X	10.223	6
29	MP1B	Z	-5.902	6
30	MP1B	Mx	.01	6
31	MP1C	X	11.435	.5
32	MP1C	Z	-6.602	.5
33	MP1C	Mx	-.009	.5
34	MP1C	X	11.435	6
35	MP1C	Z	-6.602	6
36	MP1C	Mx	-.009	6
37	MP3A	X	2.96	2.25
38	MP3A	Z	-1.709	2.25
39	MP3A	Mx	-.001	2.25
40	MP3A	X	2.96	4.25
41	MP3A	Z	-1.709	4.25
42	MP3A	Mx	-.001	4.25
43	MP3B	X	4.076	2.25
44	MP3B	Z	-2.353	2.25
45	MP3B	Mx	.002	2.25
46	MP3B	X	4.076	4.25
47	MP3B	Z	-2.353	4.25
48	MP3B	Mx	.002	4.25
49	MP3C	X	5.445	2.25
50	MP3C	Z	-3.144	2.25
51	MP3C	Mx	0	2.25
52	MP3C	X	5.445	4.25
53	MP3C	Z	-3.144	4.25
54	MP3C	Mx	0	4.25
55	MP4A	X	4.401	.75
56	MP4A	Z	-2.541	.75
57	MP4A	Mx	-.002	.75
58	MP4A	X	4.401	5.75
59	MP4A	Z	-2.541	5.75
60	MP4A	Mx	-.002	5.75
61	MP4B	X	5.177	.75
62	MP4B	Z	-2.989	.75
63	MP4B	Mx	.002	.75
64	MP4B	X	5.177	5.75
65	MP4B	Z	-2.989	5.75
66	MP4B	Mx	.002	5.75
67	MP4C	X	6.129	.75
68	MP4C	Z	-3.539	.75
69	MP4C	Mx	0	.75
70	MP4C	X	6.129	5.75
71	MP4C	Z	-3.539	5.75
72	MP4C	Mx	0	5.75
73	R1	X	5.175	1.5
74	R1	Z	-2.988	1.5
75	R1	Mx	-.003	1.5
76	MP2A	X	2.843	4
77	MP2A	Z	-1.641	4
78	MP2A	Mx	.001	4
79	MP2B	X	3.512	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP2B	Z	-2.028	4
81	MP2B	Mx	-.001	4
82	MP2C	X	4.333	4
83	MP2C	Z	-2.502	4
84	MP2C	Mx	0	4
85	MP1A	X	3.256	4
86	MP1A	Z	-1.88	4
87	MP1A	Mx	.002	4
88	MP1B	X	3.74	4
89	MP1B	Z	-2.159	4
90	MP1B	Mx	-.001	4
91	MP1C	X	4.333	4
92	MP1C	Z	-2.502	4
93	MP1C	Mx	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	9.817	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	-.005	.5
4	MP1A	X	9.817	6
5	MP1A	Z	0	6
6	MP1A	Mx	-.005	6
7	MP1B	X	13.102	.5
8	MP1B	Z	0	.5
9	MP1B	Mx	-.007	.5
10	MP1B	X	13.102	6
11	MP1B	Z	0	6
12	MP1B	Mx	-.007	6
13	MP1C	X	12.357	.5
14	MP1C	Z	0	.5
15	MP1C	Mx	.01	.5
16	MP1C	X	12.357	6
17	MP1C	Z	0	6
18	MP1C	Mx	.01	6
19	MP1A	X	9.817	.5
20	MP1A	Z	0	.5
21	MP1A	Mx	-.005	.5
22	MP1A	X	9.817	6
23	MP1A	Z	0	6
24	MP1A	Mx	-.005	6
25	MP1B	X	13.102	.5
26	MP1B	Z	0	.5
27	MP1B	Mx	.01	.5
28	MP1B	X	13.102	6
29	MP1B	Z	0	6
30	MP1B	Mx	.01	6
31	MP1C	X	12.357	.5
32	MP1C	Z	0	.5
33	MP1C	Mx	-.004	.5
34	MP1C	X	12.357	6
35	MP1C	Z	0	6
36	MP1C	Mx	-.004	6
37	MP3A	X	2.462	2.25
38	MP3A	Z	0	2.25
39	MP3A	Mx	-.001	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP3A	X	2.462	4.25
41	MP3A	Z	0	4.25
42	MP3A	Mx	-.001	4.25
43	MP3B	X	6.172	2.25
44	MP3B	Z	0	2.25
45	MP3B	Mx	.000536	2.25
46	MP3B	X	6.172	4.25
47	MP3B	Z	0	4.25
48	MP3B	Mx	.000536	4.25
49	MP3C	X	5.331	2.25
50	MP3C	Z	0	2.25
51	MP3C	Mx	.001	2.25
52	MP3C	X	5.331	4.25
53	MP3C	Z	0	4.25
54	MP3C	Mx	.001	4.25
55	MP4A	X	4.416	.75
56	MP4A	Z	0	.75
57	MP4A	Mx	-.002	.75
58	MP4A	X	4.416	5.75
59	MP4A	Z	0	5.75
60	MP4A	Mx	-.002	5.75
61	MP4B	X	6.997	.75
62	MP4B	Z	0	.75
63	MP4B	Mx	.000608	.75
64	MP4B	X	6.997	5.75
65	MP4B	Z	0	5.75
66	MP4B	Mx	.000608	5.75
67	MP4C	X	6.412	.75
68	MP4C	Z	0	.75
69	MP4C	Mx	.002	.75
70	MP4C	X	6.412	5.75
71	MP4C	Z	0	5.75
72	MP4C	Mx	.002	5.75
73	R1	X	7.361	1.5
74	R1	Z	0	1.5
75	R1	Mx	-.002	1.5
76	MP2A	X	2.709	4
77	MP2A	Z	0	4
78	MP2A	Mx	.001	4
79	MP2B	X	4.934	4
80	MP2B	Z	0	4
81	MP2B	Mx	-.000428	4
82	MP2C	X	4.43	4
83	MP2C	Z	0	4
84	MP2C	Mx	-.001	4
85	MP1A	X	3.345	4
86	MP1A	Z	0	4
87	MP1A	Mx	.002	4
88	MP1B	X	4.953	4
89	MP1B	Z	0	4
90	MP1B	Mx	-.00043	4
91	MP1C	X	4.589	4
92	MP1C	Z	0	4
93	MP1C	Mx	-.001	4

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	9.235	.5
2	MP1A	Z	5.332	.5
3	MP1A	Mx	-.001	.5
4	MP1A	X	9.235	6
5	MP1A	Z	5.332	6
6	MP1A	Mx	-.001	6
7	MP1B	X	11.092	.5
8	MP1B	Z	6.404	.5
9	MP1B	Mx	-.01	.5
10	MP1B	X	11.092	6
11	MP1B	Z	6.404	6
12	MP1B	Mx	-.01	6
13	MP1C	X	9.235	.5
14	MP1C	Z	5.332	.5
15	MP1C	Mx	.008	.5
16	MP1C	X	9.235	6
17	MP1C	Z	5.332	6
18	MP1C	Mx	.008	6
19	MP1A	X	9.235	.5
20	MP1A	Z	5.332	.5
21	MP1A	Mx	-.008	.5
22	MP1A	X	9.235	6
23	MP1A	Z	5.332	6
24	MP1A	Mx	-.008	6
25	MP1B	X	11.092	.5
26	MP1B	Z	6.404	.5
27	MP1B	Mx	.006	.5
28	MP1B	X	11.092	6
29	MP1B	Z	6.404	6
30	MP1B	Mx	.006	6
31	MP1C	X	9.235	.5
32	MP1C	Z	5.332	.5
33	MP1C	Mx	.001	.5
34	MP1C	X	9.235	6
35	MP1C	Z	5.332	6
36	MP1C	Mx	.001	6
37	MP3A	X	2.96	2.25
38	MP3A	Z	1.709	2.25
39	MP3A	Mx	-.001	2.25
40	MP3A	X	2.96	4.25
41	MP3A	Z	1.709	4.25
42	MP3A	Mx	-.001	4.25
43	MP3B	X	5.058	2.25
44	MP3B	Z	2.92	2.25
45	MP3B	Mx	-.000999	2.25
46	MP3B	X	5.058	4.25
47	MP3B	Z	2.92	4.25
48	MP3B	Mx	-.000999	4.25
49	MP3C	X	2.96	2.25
50	MP3C	Z	1.709	2.25
51	MP3C	Mx	.001	2.25
52	MP3C	X	2.96	4.25
53	MP3C	Z	1.709	4.25
54	MP3C	Mx	.001	4.25
55	MP4A	X	4.401	.75
56	MP4A	Z	2.541	.75
57	MP4A	Mx	-.002	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4A	X	4.401	5.75
59	MP4A	Z	2.541	5.75
60	MP4A	Mx	-.002	5.75
61	MP4B	X	5.859	.75
62	MP4B	Z	3.383	.75
63	MP4B	Mx	-.001	.75
64	MP4B	X	5.859	5.75
65	MP4B	Z	3.383	5.75
66	MP4B	Mx	-.001	5.75
67	MP4C	X	4.401	.75
68	MP4C	Z	2.541	.75
69	MP4C	Mx	.002	.75
70	MP4C	X	4.401	5.75
71	MP4C	Z	2.541	5.75
72	MP4C	Mx	.002	5.75
73	R1	X	6.975	1.5
74	R1	Z	4.027	1.5
75	R1	Mx	0	1.5
76	MP2A	X	2.843	4
77	MP2A	Z	1.641	4
78	MP2A	Mx	.001	4
79	MP2B	X	4.101	4
80	MP2B	Z	2.368	4
81	MP2B	Mx	.00081	4
82	MP2C	X	2.843	4
83	MP2C	Z	1.641	4
84	MP2C	Mx	-.001	4
85	MP1A	X	3.256	4
86	MP1A	Z	1.88	4
87	MP1A	Mx	.002	4
88	MP1B	X	4.165	4
89	MP1B	Z	2.405	4
90	MP1B	Mx	.000823	4
91	MP1C	X	3.256	4
92	MP1C	Z	1.88	4
93	MP1C	Mx	-.002	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	6.179	.5
2	MP1A	Z	10.702	.5
3	MP1A	Mx	.004	.5
4	MP1A	X	6.179	6
5	MP1A	Z	10.702	6
6	MP1A	Mx	.004	6
7	MP1B	X	5.608	.5
8	MP1B	Z	9.714	.5
9	MP1B	Mx	-.009	.5
10	MP1B	X	5.608	6
11	MP1B	Z	9.714	6
12	MP1B	Mx	-.009	6
13	MP1C	X	4.908	.5
14	MP1C	Z	8.502	.5
15	MP1C	Mx	.005	.5
16	MP1C	X	4.908	6
17	MP1C	Z	8.502	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP1C	Mx	.005	6
19	MP1A	X	6.179	.5
20	MP1A	Z	10.702	.5
21	MP1A	Mx	-.01	.5
22	MP1A	X	6.179	6
23	MP1A	Z	10.702	6
24	MP1A	Mx	-.01	6
25	MP1B	X	5.608	.5
26	MP1B	Z	9.714	.5
27	MP1B	Mx	.00051	.5
28	MP1B	X	5.608	6
29	MP1B	Z	9.714	6
30	MP1B	Mx	.00051	6
31	MP1C	X	4.908	.5
32	MP1C	Z	8.502	.5
33	MP1C	Mx	.005	.5
34	MP1C	X	4.908	6
35	MP1C	Z	8.502	6
36	MP1C	Mx	.005	6
37	MP3A	X	2.666	2.25
38	MP3A	Z	4.617	2.25
39	MP3A	Mx	-.001	2.25
40	MP3A	X	2.666	4.25
41	MP3A	Z	4.617	4.25
42	MP3A	Mx	-.001	4.25
43	MP3B	X	2.021	2.25
44	MP3B	Z	3.501	2.25
45	MP3B	Mx	-.002	2.25
46	MP3B	X	2.021	4.25
47	MP3B	Z	3.501	4.25
48	MP3B	Mx	-.002	4.25
49	MP3C	X	1.231	2.25
50	MP3C	Z	2.132	2.25
51	MP3C	Mx	.001	2.25
52	MP3C	X	1.231	4.25
53	MP3C	Z	2.132	4.25
54	MP3C	Mx	.001	4.25
55	MP4A	X	3.206	.75
56	MP4A	Z	5.553	.75
57	MP4A	Mx	-.002	.75
58	MP4A	X	3.206	5.75
59	MP4A	Z	5.553	5.75
60	MP4A	Mx	-.002	5.75
61	MP4B	X	2.758	.75
62	MP4B	Z	4.777	.75
63	MP4B	Mx	-.002	.75
64	MP4B	X	2.758	5.75
65	MP4B	Z	4.777	5.75
66	MP4B	Mx	-.002	5.75
67	MP4C	X	2.208	.75
68	MP4C	Z	3.825	.75
69	MP4C	Mx	.002	.75
70	MP4C	X	2.208	5.75
71	MP4C	Z	3.825	5.75
72	MP4C	Mx	.002	5.75
73	R1	X	3.68	1.5
74	R1	Z	6.375	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	R1	Mx	.002	1.5
76	MP2A	X	2.215	4
77	MP2A	Z	3.836	4
78	MP2A	Mx	.001	4
79	MP2B	X	1.829	4
80	MP2B	Z	3.167	4
81	MP2B	Mx	.001	4
82	MP2C	X	1.355	4
83	MP2C	Z	2.346	4
84	MP2C	Mx	-.001	4
85	MP1A	X	2.294	4
86	MP1A	Z	3.974	4
87	MP1A	Mx	.001	4
88	MP1B	X	2.015	4
89	MP1B	Z	3.49	4
90	MP1B	Mx	.002	4
91	MP1C	X	1.672	4
92	MP1C	Z	2.896	4
93	MP1C	Mx	-.002	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	13.204	.5
3	MP1A	Mx	.009	.5
4	MP1A	X	0	6
5	MP1A	Z	13.204	6
6	MP1A	Mx	.009	6
7	MP1B	X	0	.5
8	MP1B	Z	9.919	.5
9	MP1B	Mx	-.006	.5
10	MP1B	X	0	6
11	MP1B	Z	9.919	6
12	MP1B	Mx	-.006	6
13	MP1C	X	0	.5
14	MP1C	Z	10.664	.5
15	MP1C	Mx	.001	.5
16	MP1C	X	0	6
17	MP1C	Z	10.664	6
18	MP1C	Mx	.001	6
19	MP1A	X	0	.5
20	MP1A	Z	13.204	.5
21	MP1A	Mx	-.009	.5
22	MP1A	X	0	6
23	MP1A	Z	13.204	6
24	MP1A	Mx	-.009	6
25	MP1B	X	0	.5
26	MP1B	Z	9.919	.5
27	MP1B	Mx	-.004	.5
28	MP1B	X	0	6
29	MP1B	Z	9.919	6
30	MP1B	Mx	-.004	6
31	MP1C	X	0	.5
32	MP1C	Z	10.664	.5
33	MP1C	Mx	.008	.5
34	MP1C	X	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP1C	Z	10.664	6
36	MP1C	Mx	.008	6
37	MP3A	X	0	2.25
38	MP3A	Z	6.288	2.25
39	MP3A	Mx	0	2.25
40	MP3A	X	0	4.25
41	MP3A	Z	6.288	4.25
42	MP3A	Mx	0	4.25
43	MP3B	X	0	2.25
44	MP3B	Z	2.577	2.25
45	MP3B	Mx	-.001	2.25
46	MP3B	X	0	4.25
47	MP3B	Z	2.577	4.25
48	MP3B	Mx	-.001	4.25
49	MP3C	X	0	2.25
50	MP3C	Z	3.418	2.25
51	MP3C	Mx	.001	2.25
52	MP3C	X	0	4.25
53	MP3C	Z	3.418	4.25
54	MP3C	Mx	.001	4.25
55	MP4A	X	0	.75
56	MP4A	Z	7.077	.75
57	MP4A	Mx	0	.75
58	MP4A	X	0	5.75
59	MP4A	Z	7.077	5.75
60	MP4A	Mx	0	5.75
61	MP4B	X	0	.75
62	MP4B	Z	4.497	.75
63	MP4B	Mx	-.002	.75
64	MP4B	X	0	5.75
65	MP4B	Z	4.497	5.75
66	MP4B	Mx	-.002	5.75
67	MP4C	X	0	.75
68	MP4C	Z	5.082	.75
69	MP4C	Mx	.002	.75
70	MP4C	X	0	5.75
71	MP4C	Z	5.082	5.75
72	MP4C	Mx	.002	5.75
73	R1	X	0	1.5
74	R1	Z	5.975	1.5
75	R1	Mx	.003	1.5
76	MP2A	X	0	4
77	MP2A	Z	5.003	4
78	MP2A	Mx	0	4
79	MP2B	X	0	4
80	MP2B	Z	2.778	4
81	MP2B	Mx	.001	4
82	MP2C	X	0	4
83	MP2C	Z	3.283	4
84	MP2C	Mx	-.001	4
85	MP1A	X	0	4
86	MP1A	Z	5.003	4
87	MP1A	Mx	0	4
88	MP1B	X	0	4
89	MP1B	Z	3.395	4
90	MP1B	Mx	.002	4
91	MP1C	X	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP1C	Z	3.759	4
93	MP1C	Mx	-.002	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-6.179	.5
2	MP1A	Z	10.702	.5
3	MP1A	Mx	.01	.5
4	MP1A	X	-6.179	6
5	MP1A	Z	10.702	6
6	MP1A	Mx	.01	6
7	MP1B	X	-5.107	.5
8	MP1B	Z	8.845	.5
9	MP1B	Mx	-.002	.5
10	MP1B	X	-5.107	6
11	MP1B	Z	8.845	6
12	MP1B	Mx	-.002	6
13	MP1C	X	-6.179	.5
14	MP1C	Z	10.702	.5
15	MP1C	Mx	-.004	.5
16	MP1C	X	-6.179	6
17	MP1C	Z	10.702	6
18	MP1C	Mx	-.004	6
19	MP1A	X	-6.179	.5
20	MP1A	Z	10.702	.5
21	MP1A	Mx	-.004	.5
22	MP1A	X	-6.179	6
23	MP1A	Z	10.702	6
24	MP1A	Mx	-.004	6
25	MP1B	X	-5.107	.5
26	MP1B	Z	8.845	.5
27	MP1B	Mx	-.007	.5
28	MP1B	X	-5.107	6
29	MP1B	Z	8.845	6
30	MP1B	Mx	-.007	6
31	MP1C	X	-6.179	.5
32	MP1C	Z	10.702	.5
33	MP1C	Mx	.01	.5
34	MP1C	X	-6.179	6
35	MP1C	Z	10.702	6
36	MP1C	Mx	.01	6
37	MP3A	X	-2.666	2.25
38	MP3A	Z	4.617	2.25
39	MP3A	Mx	.001	2.25
40	MP3A	X	-2.666	4.25
41	MP3A	Z	4.617	4.25
42	MP3A	Mx	.001	4.25
43	MP3B	X	-1.455	2.25
44	MP3B	Z	2.519	2.25
45	MP3B	Mx	-.001	2.25
46	MP3B	X	-1.455	4.25
47	MP3B	Z	2.519	4.25
48	MP3B	Mx	-.001	4.25
49	MP3C	X	-2.666	2.25
50	MP3C	Z	4.617	2.25
51	MP3C	Mx	.001	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP3C	X	-2.666	4.25
53	MP3C	Z	4.617	4.25
54	MP3C	Mx	.001	4.25
55	MP4A	X	-3.206	.75
56	MP4A	Z	5.553	.75
57	MP4A	Mx	.002	.75
58	MP4A	X	-3.206	5.75
59	MP4A	Z	5.553	5.75
60	MP4A	Mx	.002	5.75
61	MP4B	X	-2.364	.75
62	MP4B	Z	4.094	.75
63	MP4B	Mx	-.002	.75
64	MP4B	X	-2.364	5.75
65	MP4B	Z	4.094	5.75
66	MP4B	Mx	-.002	5.75
67	MP4C	X	-3.206	.75
68	MP4C	Z	5.553	.75
69	MP4C	Mx	.002	.75
70	MP4C	X	-3.206	5.75
71	MP4C	Z	5.553	5.75
72	MP4C	Mx	.002	5.75
73	R1	X	-2.641	1.5
74	R1	Z	4.574	1.5
75	R1	Mx	.003	1.5
76	MP2A	X	-2.215	4
77	MP2A	Z	3.836	4
78	MP2A	Mx	-.001	4
79	MP2B	X	-1.489	4
80	MP2B	Z	2.579	4
81	MP2B	Mx	.001	4
82	MP2C	X	-2.215	4
83	MP2C	Z	3.836	4
84	MP2C	Mx	-.001	4
85	MP1A	X	-2.294	4
86	MP1A	Z	3.974	4
87	MP1A	Mx	-.001	4
88	MP1B	X	-1.769	4
89	MP1B	Z	3.065	4
90	MP1B	Mx	.002	4
91	MP1C	X	-2.294	4
92	MP1C	Z	3.974	4
93	MP1C	Mx	-.001	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-9.235	.5
2	MP1A	Z	5.332	.5
3	MP1A	Mx	.008	.5
4	MP1A	X	-9.235	6
5	MP1A	Z	5.332	6
6	MP1A	Mx	.008	6
7	MP1B	X	-10.223	.5
8	MP1B	Z	5.902	.5
9	MP1B	Mx	.002	.5
10	MP1B	X	-10.223	6
11	MP1B	Z	5.902	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP1B	Mx	.002	6
13	MP1C	X	-11.435	.5
14	MP1C	Z	6.602	.5
15	MP1C	Mx	-.009	.5
16	MP1C	X	-11.435	6
17	MP1C	Z	6.602	6
18	MP1C	Mx	-.009	6
19	MP1A	X	-9.235	.5
20	MP1A	Z	5.332	.5
21	MP1A	Mx	.001	.5
22	MP1A	X	-9.235	6
23	MP1A	Z	5.332	6
24	MP1A	Mx	.001	6
25	MP1B	X	-10.223	.5
26	MP1B	Z	5.902	.5
27	MP1B	Mx	-.01	.5
28	MP1B	X	-10.223	6
29	MP1B	Z	5.902	6
30	MP1B	Mx	-.01	6
31	MP1C	X	-11.435	.5
32	MP1C	Z	6.602	.5
33	MP1C	Mx	.009	.5
34	MP1C	X	-11.435	6
35	MP1C	Z	6.602	6
36	MP1C	Mx	.009	6
37	MP3A	X	-2.96	2.25
38	MP3A	Z	1.709	2.25
39	MP3A	Mx	.001	2.25
40	MP3A	X	-2.96	4.25
41	MP3A	Z	1.709	4.25
42	MP3A	Mx	.001	4.25
43	MP3B	X	-4.076	2.25
44	MP3B	Z	2.353	2.25
45	MP3B	Mx	-.002	2.25
46	MP3B	X	-4.076	4.25
47	MP3B	Z	2.353	4.25
48	MP3B	Mx	-.002	4.25
49	MP3C	X	-5.445	2.25
50	MP3C	Z	3.144	2.25
51	MP3C	Mx	0	2.25
52	MP3C	X	-5.445	4.25
53	MP3C	Z	3.144	4.25
54	MP3C	Mx	0	4.25
55	MP4A	X	-4.401	.75
56	MP4A	Z	2.541	.75
57	MP4A	Mx	.002	.75
58	MP4A	X	-4.401	5.75
59	MP4A	Z	2.541	5.75
60	MP4A	Mx	.002	5.75
61	MP4B	X	-5.177	.75
62	MP4B	Z	2.989	.75
63	MP4B	Mx	-.002	.75
64	MP4B	X	-5.177	5.75
65	MP4B	Z	2.989	5.75
66	MP4B	Mx	-.002	5.75
67	MP4C	X	-6.129	.75
68	MP4C	Z	3.539	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP4C	Mx	0	.75
70	MP4C	X	-6.129	5.75
71	MP4C	Z	3.539	5.75
72	MP4C	Mx	0	5.75
73	R1	X	-5.175	1.5
74	R1	Z	2.988	1.5
75	R1	Mx	.003	1.5
76	MP2A	X	-2.843	4
77	MP2A	Z	1.641	4
78	MP2A	Mx	-.001	4
79	MP2B	X	-3.512	4
80	MP2B	Z	2.028	4
81	MP2B	Mx	.001	4
82	MP2C	X	-4.333	4
83	MP2C	Z	2.502	4
84	MP2C	Mx	0	4
85	MP1A	X	-3.256	4
86	MP1A	Z	1.88	4
87	MP1A	Mx	-.002	4
88	MP1B	X	-3.74	4
89	MP1B	Z	2.159	4
90	MP1B	Mx	.001	4
91	MP1C	X	-4.333	4
92	MP1C	Z	2.502	4
93	MP1C	Mx	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-9.817	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	.005	.5
4	MP1A	X	-9.817	6
5	MP1A	Z	0	6
6	MP1A	Mx	.005	6
7	MP1B	X	-13.102	.5
8	MP1B	Z	0	.5
9	MP1B	Mx	.007	.5
10	MP1B	X	-13.102	6
11	MP1B	Z	0	6
12	MP1B	Mx	.007	6
13	MP1C	X	-12.357	.5
14	MP1C	Z	0	.5
15	MP1C	Mx	-.01	.5
16	MP1C	X	-12.357	6
17	MP1C	Z	0	6
18	MP1C	Mx	-.01	6
19	MP1A	X	-9.817	.5
20	MP1A	Z	0	.5
21	MP1A	Mx	.005	.5
22	MP1A	X	-9.817	6
23	MP1A	Z	0	6
24	MP1A	Mx	.005	6
25	MP1B	X	-13.102	.5
26	MP1B	Z	0	.5
27	MP1B	Mx	-.01	.5
28	MP1B	X	-13.102	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP1B	Z	0	6
30	MP1B	Mx	-.01	6
31	MP1C	X	-12.357	.5
32	MP1C	Z	0	.5
33	MP1C	Mx	.004	.5
34	MP1C	X	-12.357	6
35	MP1C	Z	0	6
36	MP1C	Mx	.004	6
37	MP3A	X	-2.462	2.25
38	MP3A	Z	0	2.25
39	MP3A	Mx	.001	2.25
40	MP3A	X	-2.462	4.25
41	MP3A	Z	0	4.25
42	MP3A	Mx	.001	4.25
43	MP3B	X	-6.172	2.25
44	MP3B	Z	0	2.25
45	MP3B	Mx	-.000536	2.25
46	MP3B	X	-6.172	4.25
47	MP3B	Z	0	4.25
48	MP3B	Mx	-.000536	4.25
49	MP3C	X	-5.331	2.25
50	MP3C	Z	0	2.25
51	MP3C	Mx	-.001	2.25
52	MP3C	X	-5.331	4.25
53	MP3C	Z	0	4.25
54	MP3C	Mx	-.001	4.25
55	MP4A	X	-4.416	.75
56	MP4A	Z	0	.75
57	MP4A	Mx	.002	.75
58	MP4A	X	-4.416	5.75
59	MP4A	Z	0	5.75
60	MP4A	Mx	.002	5.75
61	MP4B	X	-6.997	.75
62	MP4B	Z	0	.75
63	MP4B	Mx	-.000608	.75
64	MP4B	X	-6.997	5.75
65	MP4B	Z	0	5.75
66	MP4B	Mx	-.000608	5.75
67	MP4C	X	-6.412	.75
68	MP4C	Z	0	.75
69	MP4C	Mx	-.002	.75
70	MP4C	X	-6.412	5.75
71	MP4C	Z	0	5.75
72	MP4C	Mx	-.002	5.75
73	R1	X	-7.361	1.5
74	R1	Z	0	1.5
75	R1	Mx	.002	1.5
76	MP2A	X	-2.709	4
77	MP2A	Z	0	4
78	MP2A	Mx	-.001	4
79	MP2B	X	-4.934	4
80	MP2B	Z	0	4
81	MP2B	Mx	.000428	4
82	MP2C	X	-4.43	4
83	MP2C	Z	0	4
84	MP2C	Mx	.001	4
85	MP1A	X	-3.345	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP1A	Z	0	4
87	MP1A	Mx	-.002	4
88	MP1B	X	-4.953	4
89	MP1B	Z	0	4
90	MP1B	Mx	.00043	4
91	MP1C	X	-4.589	4
92	MP1C	Z	0	4
93	MP1C	Mx	.001	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-9.235	.5
2	MP1A	Z	-5.332	.5
3	MP1A	Mx	.001	.5
4	MP1A	X	-9.235	6
5	MP1A	Z	-5.332	6
6	MP1A	Mx	.001	6
7	MP1B	X	-11.092	.5
8	MP1B	Z	-6.404	.5
9	MP1B	Mx	.01	.5
10	MP1B	X	-11.092	6
11	MP1B	Z	-6.404	6
12	MP1B	Mx	.01	6
13	MP1C	X	-9.235	.5
14	MP1C	Z	-5.332	.5
15	MP1C	Mx	-.008	.5
16	MP1C	X	-9.235	6
17	MP1C	Z	-5.332	6
18	MP1C	Mx	-.008	6
19	MP1A	X	-9.235	.5
20	MP1A	Z	-5.332	.5
21	MP1A	Mx	.008	.5
22	MP1A	X	-9.235	6
23	MP1A	Z	-5.332	6
24	MP1A	Mx	.008	6
25	MP1B	X	-11.092	.5
26	MP1B	Z	-6.404	.5
27	MP1B	Mx	-.006	.5
28	MP1B	X	-11.092	6
29	MP1B	Z	-6.404	6
30	MP1B	Mx	-.006	6
31	MP1C	X	-9.235	.5
32	MP1C	Z	-5.332	.5
33	MP1C	Mx	-.001	.5
34	MP1C	X	-9.235	6
35	MP1C	Z	-5.332	6
36	MP1C	Mx	-.001	6
37	MP3A	X	-2.96	2.25
38	MP3A	Z	-1.709	2.25
39	MP3A	Mx	.001	2.25
40	MP3A	X	-2.96	4.25
41	MP3A	Z	-1.709	4.25
42	MP3A	Mx	.001	4.25
43	MP3B	X	-5.058	2.25
44	MP3B	Z	-2.92	2.25
45	MP3B	Mx	.000999	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP3B	X	-5.058	4.25
47	MP3B	Z	-2.92	4.25
48	MP3B	Mx	.000999	4.25
49	MP3C	X	-2.96	2.25
50	MP3C	Z	-1.709	2.25
51	MP3C	Mx	-.001	2.25
52	MP3C	X	-2.96	4.25
53	MP3C	Z	-1.709	4.25
54	MP3C	Mx	-.001	4.25
55	MP4A	X	-4.401	.75
56	MP4A	Z	-2.541	.75
57	MP4A	Mx	.002	.75
58	MP4A	X	-4.401	5.75
59	MP4A	Z	-2.541	5.75
60	MP4A	Mx	.002	5.75
61	MP4B	X	-5.859	.75
62	MP4B	Z	-3.383	.75
63	MP4B	Mx	.001	.75
64	MP4B	X	-5.859	5.75
65	MP4B	Z	-3.383	5.75
66	MP4B	Mx	.001	5.75
67	MP4C	X	-4.401	.75
68	MP4C	Z	-2.541	.75
69	MP4C	Mx	-.002	.75
70	MP4C	X	-4.401	5.75
71	MP4C	Z	-2.541	5.75
72	MP4C	Mx	-.002	5.75
73	R1	X	-6.975	1.5
74	R1	Z	-4.027	1.5
75	R1	Mx	0	1.5
76	MP2A	X	-2.843	4
77	MP2A	Z	-1.641	4
78	MP2A	Mx	-.001	4
79	MP2B	X	-4.101	4
80	MP2B	Z	-2.368	4
81	MP2B	Mx	-.00081	4
82	MP2C	X	-2.843	4
83	MP2C	Z	-1.641	4
84	MP2C	Mx	.001	4
85	MP1A	X	-3.256	4
86	MP1A	Z	-1.88	4
87	MP1A	Mx	-.002	4
88	MP1B	X	-4.165	4
89	MP1B	Z	-2.405	4
90	MP1B	Mx	-.000823	4
91	MP1C	X	-3.256	4
92	MP1C	Z	-1.88	4
93	MP1C	Mx	.002	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-6.179	.5
2	MP1A	Z	-10.702	.5
3	MP1A	Mx	-.004	.5
4	MP1A	X	-6.179	6
5	MP1A	Z	-10.702	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP1A	Mx	-.004	6
7	MP1B	X	-5.608	.5
8	MP1B	Z	-9.714	.5
9	MP1B	Mx	.009	.5
10	MP1B	X	-5.608	6
11	MP1B	Z	-9.714	6
12	MP1B	Mx	.009	6
13	MP1C	X	-4.908	.5
14	MP1C	Z	-8.502	.5
15	MP1C	Mx	-.005	.5
16	MP1C	X	-4.908	6
17	MP1C	Z	-8.502	6
18	MP1C	Mx	-.005	6
19	MP1A	X	-6.179	.5
20	MP1A	Z	-10.702	.5
21	MP1A	Mx	.01	.5
22	MP1A	X	-6.179	6
23	MP1A	Z	-10.702	6
24	MP1A	Mx	.01	6
25	MP1B	X	-5.608	.5
26	MP1B	Z	-9.714	.5
27	MP1B	Mx	-.00051	.5
28	MP1B	X	-5.608	6
29	MP1B	Z	-9.714	6
30	MP1B	Mx	-.00051	6
31	MP1C	X	-4.908	.5
32	MP1C	Z	-8.502	.5
33	MP1C	Mx	-.005	.5
34	MP1C	X	-4.908	6
35	MP1C	Z	-8.502	6
36	MP1C	Mx	-.005	6
37	MP3A	X	-2.666	2.25
38	MP3A	Z	-4.617	2.25
39	MP3A	Mx	.001	2.25
40	MP3A	X	-2.666	4.25
41	MP3A	Z	-4.617	4.25
42	MP3A	Mx	.001	4.25
43	MP3B	X	-2.021	2.25
44	MP3B	Z	-3.501	2.25
45	MP3B	Mx	.002	2.25
46	MP3B	X	-2.021	4.25
47	MP3B	Z	-3.501	4.25
48	MP3B	Mx	.002	4.25
49	MP3C	X	-1.231	2.25
50	MP3C	Z	-2.132	2.25
51	MP3C	Mx	-.001	2.25
52	MP3C	X	-1.231	4.25
53	MP3C	Z	-2.132	4.25
54	MP3C	Mx	-.001	4.25
55	MP4A	X	-3.206	.75
56	MP4A	Z	-5.553	.75
57	MP4A	Mx	.002	.75
58	MP4A	X	-3.206	5.75
59	MP4A	Z	-5.553	5.75
60	MP4A	Mx	.002	5.75
61	MP4B	X	-2.758	.75
62	MP4B	Z	-4.777	.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP4B	Mx	.002	.75
64	MP4B	X	-2.758	5.75
65	MP4B	Z	-4.777	5.75
66	MP4B	Mx	.002	5.75
67	MP4C	X	-2.208	.75
68	MP4C	Z	-3.825	.75
69	MP4C	Mx	-.002	.75
70	MP4C	X	-2.208	5.75
71	MP4C	Z	-3.825	5.75
72	MP4C	Mx	-.002	5.75
73	R1	X	-3.68	1.5
74	R1	Z	-6.375	1.5
75	R1	Mx	-.002	1.5
76	MP2A	X	-2.215	4
77	MP2A	Z	-3.836	4
78	MP2A	Mx	-.001	4
79	MP2B	X	-1.829	4
80	MP2B	Z	-3.167	4
81	MP2B	Mx	-.001	4
82	MP2C	X	-1.355	4
83	MP2C	Z	-2.346	4
84	MP2C	Mx	.001	4
85	MP1A	X	-2.294	4
86	MP1A	Z	-3.974	4
87	MP1A	Mx	-.001	4
88	MP1B	X	-2.015	4
89	MP1B	Z	-3.49	4
90	MP1B	Mx	-.002	4
91	MP1C	X	-1.672	4
92	MP1C	Z	-2.896	4
93	MP1C	Mx	.002	4

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%4

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M91A	Y	-500	%4

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M91A	Y	-250	0

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	Y	-6.572	-6.572	0	%100
2	M4	Y	-9.617	-9.617	0	%100
3	M10	Y	-9.617	-9.617	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
4	MP3A	Y	-4.984	-4.984	0	%100
5	MP4A	Y	-4.984	-4.984	0	%100
6	MP2A	Y	-4.984	-4.984	0	%100
7	MP1A	Y	-5.69	-5.69	0	%100
8	M43	Y	-9.617	-9.617	0	%100
9	M46	Y	-10.118	-10.118	0	%100
10	M51B	Y	-5.624	-5.624	0	%100
11	M52B	Y	-5.624	-5.624	0	%100
12	M76	Y	-10.118	-10.118	0	%100
13	M77	Y	-10.118	-10.118	0	%100
14	M80	Y	-10.118	-10.118	0	%100
15	M84	Y	-10.118	-10.118	0	%100
16	M85	Y	-10.118	-10.118	0	%100
17	M91	Y	-10.118	-10.118	0	%100
18	M34	Y	-9.617	-9.617	0	%100
19	M35	Y	-9.617	-9.617	0	%100
20	M36	Y	-9.617	-9.617	0	%100
21	M37	Y	-10.118	-10.118	0	%100
22	M40	Y	-5.624	-5.624	0	%100
23	M41	Y	-5.624	-5.624	0	%100
24	M45	Y	-10.118	-10.118	0	%100
25	M46A	Y	-10.118	-10.118	0	%100
26	M48	Y	-10.118	-10.118	0	%100
27	M50A	Y	-10.118	-10.118	0	%100
28	M51C	Y	-10.118	-10.118	0	%100
29	M53	Y	-10.118	-10.118	0	%100
30	M58A	Y	-9.617	-9.617	0	%100
31	M59A	Y	-9.617	-9.617	0	%100
32	M60	Y	-9.617	-9.617	0	%100
33	M61	Y	-10.118	-10.118	0	%100
34	M64	Y	-5.624	-5.624	0	%100
35	M65	Y	-5.624	-5.624	0	%100
36	M69	Y	-10.118	-10.118	0	%100
37	M70	Y	-10.118	-10.118	0	%100
38	M72	Y	-10.118	-10.118	0	%100
39	M74	Y	-10.118	-10.118	0	%100
40	M75	Y	-10.118	-10.118	0	%100
41	M77A	Y	-10.118	-10.118	0	%100
42	M82	Y	-6.572	-6.572	0	%100
43	MP3C	Y	-4.984	-4.984	0	%100
44	MP4C	Y	-4.984	-4.984	0	%100
45	MP2C	Y	-4.984	-4.984	0	%100
46	MP1C	Y	-5.69	-5.69	0	%100
47	M91A	Y	-6.572	-6.572	0	%100
48	MP3B	Y	-4.984	-4.984	0	%100
49	MP4B	Y	-4.984	-4.984	0	%100
50	MP2B	Y	-4.984	-4.984	0	%100
51	MP1B	Y	-5.69	-5.69	0	%100
52	R1	Y	-4.984	-4.984	0	%100
53	M102	Y	-4.984	-4.984	0	%100
54	M107	Y	-4.984	-4.984	0	%100
55	M112	Y	-4.984	-4.984	0	%100
56	M123	Y	-6.622	-6.622	0	%100
57	M124	Y	-6.622	-6.622	0	%100
58	M125	Y	-6.622	-6.622	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	0	0	0	%100
2	M1	Z	-14.326	-14.326	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-12.878	-12.878	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-10.167	-10.167	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-10.167	-10.167	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-10.167	-10.167	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-12.308	-12.308	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-12.878	-12.878	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-25.686	-25.686	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	-3.566	-3.566	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	-3.566	-3.566	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	-6.54	-6.54	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-6.889	-6.889	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	-6.54	-6.54	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	-6.889	-6.889	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	-11.414	-11.414	0	%100
37	M35	X	0	0	0	%100
38	M35	Z	-3.219	-3.219	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	-3.219	-3.219	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	-6.422	-6.422	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	-3.566	-3.566	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	-14.263	-14.263	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	-19.265	-19.265	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	-6.54	-6.54	0	%100
51	M48	X	0	0	0	%100
52	M48	Z	-6.889	-6.889	0	%100
53	M50A	X	0	0	0	%100
54	M50A	Z	-19.265	-19.265	0	%100
55	M51C	X	0	0	0	%100
56	M51C	Z	-26.162	-26.162	0	%100
57	M53	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
58	M53	Z	-27.556	-27.556	0	%100
59	M58A	X	0	0	0	%100
60	M58A	Z	-11.414	-11.414	0	%100
61	M59A	X	0	0	0	%100
62	M59A	Z	-3.219	-3.219	0	%100
63	M60	X	0	0	0	%100
64	M60	Z	-3.219	-3.219	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	-6.422	-6.422	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	-14.263	-14.263	0	%100
69	M65	X	0	0	0	%100
70	M65	Z	-3.566	-3.566	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	-19.265	-19.265	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	-26.162	-26.162	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	-27.556	-27.556	0	%100
77	M74	X	0	0	0	%100
78	M74	Z	-19.265	-19.265	0	%100
79	M75	X	0	0	0	%100
80	M75	Z	-6.54	-6.54	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	-6.889	-6.889	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	-3.581	-3.581	0	%100
85	MP3C	X	0	0	0	%100
86	MP3C	Z	-10.167	-10.167	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	-10.167	-10.167	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	-10.167	-10.167	0	%100
91	MP1C	X	0	0	0	%100
92	MP1C	Z	-12.308	-12.308	0	%100
93	M91A	X	0	0	0	%100
94	M91A	Z	-3.581	-3.581	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	-10.167	-10.167	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	-10.167	-10.167	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	-10.167	-10.167	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-12.308	-12.308	0	%100
103	R1	X	0	0	0	%100
104	R1	Z	-9.266	-9.266	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	-10.167	-10.167	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	-2.542	-2.542	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	-2.542	-2.542	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	-3.091	-3.091	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	-3.091	-3.091	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
115	M125	X	0	0	0	%100
116	M125	Z	-12.362	-12.362	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	5.372	5.372	0	%100
2	M1	Z	-9.305	-9.305	0	%100
3	M4	X	1.902	1.902	0	%100
4	M4	Z	-3.295	-3.295	0	%100
5	M10	X	4.829	4.829	0	%100
6	M10	Z	-8.364	-8.364	0	%100
7	MP3A	X	5.084	5.084	0	%100
8	MP3A	Z	-8.805	-8.805	0	%100
9	MP4A	X	5.084	5.084	0	%100
10	MP4A	Z	-8.805	-8.805	0	%100
11	MP2A	X	5.084	5.084	0	%100
12	MP2A	Z	-8.805	-8.805	0	%100
13	MP1A	X	6.154	6.154	0	%100
14	MP1A	Z	-10.659	-10.659	0	%100
15	M43	X	4.829	4.829	0	%100
16	M43	Z	-8.364	-8.364	0	%100
17	M46	X	9.632	9.632	0	%100
18	M46	Z	-16.684	-16.684	0	%100
19	M51B	X	5.349	5.349	0	%100
20	M51B	Z	-9.264	-9.264	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	3.211	3.211	0	%100
24	M76	Z	-5.561	-5.561	0	%100
25	M77	X	9.811	9.811	0	%100
26	M77	Z	-16.993	-16.993	0	%100
27	M80	X	10.333	10.333	0	%100
28	M80	Z	-17.898	-17.898	0	%100
29	M84	X	3.211	3.211	0	%100
30	M84	Z	-5.561	-5.561	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	1.902	1.902	0	%100
36	M34	Z	-3.295	-3.295	0	%100
37	M35	X	4.829	4.829	0	%100
38	M35	Z	-8.364	-8.364	0	%100
39	M36	X	4.829	4.829	0	%100
40	M36	Z	-8.364	-8.364	0	%100
41	M37	X	9.632	9.632	0	%100
42	M37	Z	-16.684	-16.684	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	0	0	0	%100
45	M41	X	5.349	5.349	0	%100
46	M41	Z	-9.264	-9.264	0	%100
47	M45	X	3.211	3.211	0	%100
48	M45	Z	-5.561	-5.561	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	0	0	0	%100
51	M48	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
52	M48	Z	0	0	0	%100
53	M50A	X	3.211	3.211	0	%100
54	M50A	Z	-5.561	-5.561	0	%100
55	M51C	X	9.811	9.811	0	%100
56	M51C	Z	-16.993	-16.993	0	%100
57	M53	X	10.333	10.333	0	%100
58	M53	Z	-17.898	-17.898	0	%100
59	M58A	X	7.609	7.609	0	%100
60	M58A	Z	-13.18	-13.18	0	%100
61	M59A	X	0	0	0	%100
62	M59A	Z	0	0	0	%100
63	M60	X	0	0	0	%100
64	M60	Z	0	0	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	0	0	0	%100
67	M64	X	5.349	5.349	0	%100
68	M64	Z	-9.264	-9.264	0	%100
69	M65	X	5.349	5.349	0	%100
70	M65	Z	-9.264	-9.264	0	%100
71	M69	X	12.843	12.843	0	%100
72	M69	Z	-22.245	-22.245	0	%100
73	M70	X	9.811	9.811	0	%100
74	M70	Z	-16.993	-16.993	0	%100
75	M72	X	10.333	10.333	0	%100
76	M72	Z	-17.898	-17.898	0	%100
77	M74	X	12.843	12.843	0	%100
78	M74	Z	-22.245	-22.245	0	%100
79	M75	X	9.811	9.811	0	%100
80	M75	Z	-16.993	-16.993	0	%100
81	M77A	X	10.333	10.333	0	%100
82	M77A	Z	-17.898	-17.898	0	%100
83	M82	X	5.372	5.372	0	%100
84	M82	Z	-9.305	-9.305	0	%100
85	MP3C	X	5.084	5.084	0	%100
86	MP3C	Z	-8.805	-8.805	0	%100
87	MP4C	X	5.084	5.084	0	%100
88	MP4C	Z	-8.805	-8.805	0	%100
89	MP2C	X	5.084	5.084	0	%100
90	MP2C	Z	-8.805	-8.805	0	%100
91	MP1C	X	6.154	6.154	0	%100
92	MP1C	Z	-10.659	-10.659	0	%100
93	M91A	X	0	0	0	%100
94	M91A	Z	0	0	0	%100
95	MP3B	X	5.084	5.084	0	%100
96	MP3B	Z	-8.805	-8.805	0	%100
97	MP4B	X	5.084	5.084	0	%100
98	MP4B	Z	-8.805	-8.805	0	%100
99	MP2B	X	5.084	5.084	0	%100
100	MP2B	Z	-8.805	-8.805	0	%100
101	MP1B	X	6.154	6.154	0	%100
102	MP1B	Z	-10.659	-10.659	0	%100
103	R1	X	4.633	4.633	0	%100
104	R1	Z	-8.024	-8.024	0	%100
105	M102	X	3.813	3.813	0	%100
106	M102	Z	-6.604	-6.604	0	%100
107	M107	X	3.813	3.813	0	%100
108	M107	Z	-6.604	-6.604	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
109	M112	X	0	0	0	%100
110	M112	Z	0	0	0	%100
111	M123	X	4.636	4.636	0	%100
112	M123	Z	-8.03	-8.03	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	4.636	4.636	0	%100
116	M125	Z	-8.03	-8.03	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	3.102	3.102	0	%100
2	M1	Z	-1.791	-1.791	0	%100
3	M4	X	9.885	9.885	0	%100
4	M4	Z	-5.707	-5.707	0	%100
5	M10	X	2.788	2.788	0	%100
6	M10	Z	-1.61	-1.61	0	%100
7	MP3A	X	8.805	8.805	0	%100
8	MP3A	Z	-5.084	-5.084	0	%100
9	MP4A	X	8.805	8.805	0	%100
10	MP4A	Z	-5.084	-5.084	0	%100
11	MP2A	X	8.805	8.805	0	%100
12	MP2A	Z	-5.084	-5.084	0	%100
13	MP1A	X	10.659	10.659	0	%100
14	MP1A	Z	-6.154	-6.154	0	%100
15	M43	X	2.788	2.788	0	%100
16	M43	Z	-1.61	-1.61	0	%100
17	M46	X	5.561	5.561	0	%100
18	M46	Z	-3.211	-3.211	0	%100
19	M51B	X	12.352	12.352	0	%100
20	M51B	Z	-7.132	-7.132	0	%100
21	M52B	X	3.088	3.088	0	%100
22	M52B	Z	-1.783	-1.783	0	%100
23	M76	X	16.684	16.684	0	%100
24	M76	Z	-9.632	-9.632	0	%100
25	M77	X	22.657	22.657	0	%100
26	M77	Z	-13.081	-13.081	0	%100
27	M80	X	23.864	23.864	0	%100
28	M80	Z	-13.778	-13.778	0	%100
29	M84	X	16.684	16.684	0	%100
30	M84	Z	-9.632	-9.632	0	%100
31	M85	X	5.664	5.664	0	%100
32	M85	Z	-3.27	-3.27	0	%100
33	M91	X	5.966	5.966	0	%100
34	M91	Z	-3.444	-3.444	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	0	0	0	%100
37	M35	X	11.152	11.152	0	%100
38	M35	Z	-6.439	-6.439	0	%100
39	M36	X	11.152	11.152	0	%100
40	M36	Z	-6.439	-6.439	0	%100
41	M37	X	22.245	22.245	0	%100
42	M37	Z	-12.843	-12.843	0	%100
43	M40	X	3.088	3.088	0	%100
44	M40	Z	-1.783	-1.783	0	%100
45	M41	X	3.088	3.088	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
46	M41	Z	-1.783	-1.783	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	0	0	0	%100
49	M46A	X	5.664	5.664	0	%100
50	M46A	Z	-3.27	-3.27	0	%100
51	M48	X	5.966	5.966	0	%100
52	M48	Z	-3.444	-3.444	0	%100
53	M50A	X	0	0	0	%100
54	M50A	Z	0	0	0	%100
55	M51C	X	5.664	5.664	0	%100
56	M51C	Z	-3.27	-3.27	0	%100
57	M53	X	5.966	5.966	0	%100
58	M53	Z	-3.444	-3.444	0	%100
59	M58A	X	9.885	9.885	0	%100
60	M58A	Z	-5.707	-5.707	0	%100
61	M59A	X	2.788	2.788	0	%100
62	M59A	Z	-1.61	-1.61	0	%100
63	M60	X	2.788	2.788	0	%100
64	M60	Z	-1.61	-1.61	0	%100
65	M61	X	5.561	5.561	0	%100
66	M61	Z	-3.211	-3.211	0	%100
67	M64	X	3.088	3.088	0	%100
68	M64	Z	-1.783	-1.783	0	%100
69	M65	X	12.352	12.352	0	%100
70	M65	Z	-7.132	-7.132	0	%100
71	M69	X	16.684	16.684	0	%100
72	M69	Z	-9.632	-9.632	0	%100
73	M70	X	5.664	5.664	0	%100
74	M70	Z	-3.27	-3.27	0	%100
75	M72	X	5.966	5.966	0	%100
76	M72	Z	-3.444	-3.444	0	%100
77	M74	X	16.684	16.684	0	%100
78	M74	Z	-9.632	-9.632	0	%100
79	M75	X	22.657	22.657	0	%100
80	M75	Z	-13.081	-13.081	0	%100
81	M77A	X	23.864	23.864	0	%100
82	M77A	Z	-13.778	-13.778	0	%100
83	M82	X	12.407	12.407	0	%100
84	M82	Z	-7.163	-7.163	0	%100
85	MP3C	X	8.805	8.805	0	%100
86	MP3C	Z	-5.084	-5.084	0	%100
87	MP4C	X	8.805	8.805	0	%100
88	MP4C	Z	-5.084	-5.084	0	%100
89	MP2C	X	8.805	8.805	0	%100
90	MP2C	Z	-5.084	-5.084	0	%100
91	MP1C	X	10.659	10.659	0	%100
92	MP1C	Z	-6.154	-6.154	0	%100
93	M91A	X	3.102	3.102	0	%100
94	M91A	Z	-1.791	-1.791	0	%100
95	MP3B	X	8.805	8.805	0	%100
96	MP3B	Z	-5.084	-5.084	0	%100
97	MP4B	X	8.805	8.805	0	%100
98	MP4B	Z	-5.084	-5.084	0	%100
99	MP2B	X	8.805	8.805	0	%100
100	MP2B	Z	-5.084	-5.084	0	%100
101	MP1B	X	10.659	10.659	0	%100
102	MP1B	Z	-6.154	-6.154	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
103	R1	X	8.024	8.024	0	%100
104	R1	Z	-4.633	-4.633	0	%100
105	M102	X	2.201	2.201	0	%100
106	M102	Z	-1.271	-1.271	0	%100
107	M107	X	8.805	8.805	0	%100
108	M107	Z	-5.084	-5.084	0	%100
109	M112	X	2.201	2.201	0	%100
110	M112	Z	-1.271	-1.271	0	%100
111	M123	X	10.706	10.706	0	%100
112	M123	Z	-6.181	-6.181	0	%100
113	M124	X	2.677	2.677	0	%100
114	M124	Z	-1.545	-1.545	0	%100
115	M125	X	2.677	2.677	0	%100
116	M125	Z	-1.545	-1.545	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	15.219	15.219	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	10.167	10.167	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	10.167	10.167	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	10.167	10.167	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	12.308	12.308	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	10.697	10.697	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	10.697	10.697	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	25.686	25.686	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	19.621	19.621	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	20.667	20.667	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	25.686	25.686	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	19.621	19.621	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	20.667	20.667	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	3.805	3.805	0	%100
36	M34	Z	0	0	0	%100
37	M35	X	9.658	9.658	0	%100
38	M35	Z	0	0	0	%100
39	M36	X	9.658	9.658	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
40	M36	Z	0	0	0	%100
41	M37	X	19.265	19.265	0	%100
42	M37	Z	0	0	0	%100
43	M40	X	10.697	10.697	0	%100
44	M40	Z	0	0	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	0	0	0	%100
47	M45	X	6.422	6.422	0	%100
48	M45	Z	0	0	0	%100
49	M46A	X	19.621	19.621	0	%100
50	M46A	Z	0	0	0	%100
51	M48	X	20.667	20.667	0	%100
52	M48	Z	0	0	0	%100
53	M50A	X	6.422	6.422	0	%100
54	M50A	Z	0	0	0	%100
55	M51C	X	0	0	0	%100
56	M51C	Z	0	0	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	0	0	0	%100
59	M58A	X	3.805	3.805	0	%100
60	M58A	Z	0	0	0	%100
61	M59A	X	9.658	9.658	0	%100
62	M59A	Z	0	0	0	%100
63	M60	X	9.658	9.658	0	%100
64	M60	Z	0	0	0	%100
65	M61	X	19.265	19.265	0	%100
66	M61	Z	0	0	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	0	0	0	%100
69	M65	X	10.697	10.697	0	%100
70	M65	Z	0	0	0	%100
71	M69	X	6.422	6.422	0	%100
72	M69	Z	0	0	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	0	0	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	0	0	0	%100
77	M74	X	6.422	6.422	0	%100
78	M74	Z	0	0	0	%100
79	M75	X	19.621	19.621	0	%100
80	M75	Z	0	0	0	%100
81	M77A	X	20.667	20.667	0	%100
82	M77A	Z	0	0	0	%100
83	M82	X	10.744	10.744	0	%100
84	M82	Z	0	0	0	%100
85	MP3C	X	10.167	10.167	0	%100
86	MP3C	Z	0	0	0	%100
87	MP4C	X	10.167	10.167	0	%100
88	MP4C	Z	0	0	0	%100
89	MP2C	X	10.167	10.167	0	%100
90	MP2C	Z	0	0	0	%100
91	MP1C	X	12.308	12.308	0	%100
92	MP1C	Z	0	0	0	%100
93	M91A	X	10.744	10.744	0	%100
94	M91A	Z	0	0	0	%100
95	MP3B	X	10.167	10.167	0	%100
96	MP3B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
97	MP4B	X	10.167	10.167	0	%100
98	MP4B	Z	0	0	0	%100
99	MP2B	X	10.167	10.167	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	12.308	12.308	0	%100
102	MP1B	Z	0	0	0	%100
103	R1	X	9.266	9.266	0	%100
104	R1	Z	0	0	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	0	0	0	%100
107	M107	X	7.626	7.626	0	%100
108	M107	Z	0	0	0	%100
109	M112	X	7.626	7.626	0	%100
110	M112	Z	0	0	0	%100
111	M123	X	9.272	9.272	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	9.272	9.272	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	3.102	3.102	0	%100
2	M1	Z	1.791	1.791	0	%100
3	M4	X	9.885	9.885	0	%100
4	M4	Z	5.707	5.707	0	%100
5	M10	X	2.788	2.788	0	%100
6	M10	Z	1.61	1.61	0	%100
7	MP3A	X	8.805	8.805	0	%100
8	MP3A	Z	5.084	5.084	0	%100
9	MP4A	X	8.805	8.805	0	%100
10	MP4A	Z	5.084	5.084	0	%100
11	MP2A	X	8.805	8.805	0	%100
12	MP2A	Z	5.084	5.084	0	%100
13	MP1A	X	10.659	10.659	0	%100
14	MP1A	Z	6.154	6.154	0	%100
15	M43	X	2.788	2.788	0	%100
16	M43	Z	1.61	1.61	0	%100
17	M46	X	5.561	5.561	0	%100
18	M46	Z	3.211	3.211	0	%100
19	M51B	X	3.088	3.088	0	%100
20	M51B	Z	1.783	1.783	0	%100
21	M52B	X	12.352	12.352	0	%100
22	M52B	Z	7.132	7.132	0	%100
23	M76	X	16.684	16.684	0	%100
24	M76	Z	9.632	9.632	0	%100
25	M77	X	5.664	5.664	0	%100
26	M77	Z	3.27	3.27	0	%100
27	M80	X	5.966	5.966	0	%100
28	M80	Z	3.444	3.444	0	%100
29	M84	X	16.684	16.684	0	%100
30	M84	Z	9.632	9.632	0	%100
31	M85	X	22.657	22.657	0	%100
32	M85	Z	13.081	13.081	0	%100
33	M91	X	23.864	23.864	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
34	M91	Z	13.778	13.778	0	%100
35	M34	X	9.885	9.885	0	%100
36	M34	Z	5.707	5.707	0	%100
37	M35	X	2.788	2.788	0	%100
38	M35	Z	1.61	1.61	0	%100
39	M36	X	2.788	2.788	0	%100
40	M36	Z	1.61	1.61	0	%100
41	M37	X	5.561	5.561	0	%100
42	M37	Z	3.211	3.211	0	%100
43	M40	X	12.352	12.352	0	%100
44	M40	Z	7.132	7.132	0	%100
45	M41	X	3.088	3.088	0	%100
46	M41	Z	1.783	1.783	0	%100
47	M45	X	16.684	16.684	0	%100
48	M45	Z	9.632	9.632	0	%100
49	M46A	X	22.657	22.657	0	%100
50	M46A	Z	13.081	13.081	0	%100
51	M48	X	23.864	23.864	0	%100
52	M48	Z	13.778	13.778	0	%100
53	M50A	X	16.684	16.684	0	%100
54	M50A	Z	9.632	9.632	0	%100
55	M51C	X	5.664	5.664	0	%100
56	M51C	Z	3.27	3.27	0	%100
57	M53	X	5.966	5.966	0	%100
58	M53	Z	3.444	3.444	0	%100
59	M58A	X	0	0	0	%100
60	M58A	Z	0	0	0	%100
61	M59A	X	11.152	11.152	0	%100
62	M59A	Z	6.439	6.439	0	%100
63	M60	X	11.152	11.152	0	%100
64	M60	Z	6.439	6.439	0	%100
65	M61	X	22.245	22.245	0	%100
66	M61	Z	12.843	12.843	0	%100
67	M64	X	3.088	3.088	0	%100
68	M64	Z	1.783	1.783	0	%100
69	M65	X	3.088	3.088	0	%100
70	M65	Z	1.783	1.783	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	0	0	0	%100
73	M70	X	5.664	5.664	0	%100
74	M70	Z	3.27	3.27	0	%100
75	M72	X	5.966	5.966	0	%100
76	M72	Z	3.444	3.444	0	%100
77	M74	X	0	0	0	%100
78	M74	Z	0	0	0	%100
79	M75	X	5.664	5.664	0	%100
80	M75	Z	3.27	3.27	0	%100
81	M77A	X	5.966	5.966	0	%100
82	M77A	Z	3.444	3.444	0	%100
83	M82	X	3.102	3.102	0	%100
84	M82	Z	1.791	1.791	0	%100
85	MP3C	X	8.805	8.805	0	%100
86	MP3C	Z	5.084	5.084	0	%100
87	MP4C	X	8.805	8.805	0	%100
88	MP4C	Z	5.084	5.084	0	%100
89	MP2C	X	8.805	8.805	0	%100
90	MP2C	Z	5.084	5.084	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
91	MP1C	X	10.659	10.659	0	%100
92	MP1C	Z	6.154	6.154	0	%100
93	M91A	X	12.407	12.407	0	%100
94	M91A	Z	7.163	7.163	0	%100
95	MP3B	X	8.805	8.805	0	%100
96	MP3B	Z	5.084	5.084	0	%100
97	MP4B	X	8.805	8.805	0	%100
98	MP4B	Z	5.084	5.084	0	%100
99	MP2B	X	8.805	8.805	0	%100
100	MP2B	Z	5.084	5.084	0	%100
101	MP1B	X	10.659	10.659	0	%100
102	MP1B	Z	6.154	6.154	0	%100
103	R1	X	8.024	8.024	0	%100
104	R1	Z	4.633	4.633	0	%100
105	M102	X	2.201	2.201	0	%100
106	M102	Z	1.271	1.271	0	%100
107	M107	X	2.201	2.201	0	%100
108	M107	Z	1.271	1.271	0	%100
109	M112	X	8.805	8.805	0	%100
110	M112	Z	5.084	5.084	0	%100
111	M123	X	2.677	2.677	0	%100
112	M123	Z	1.545	1.545	0	%100
113	M124	X	10.706	10.706	0	%100
114	M124	Z	6.181	6.181	0	%100
115	M125	X	2.677	2.677	0	%100
116	M125	Z	1.545	1.545	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	5.372	5.372	0	%100
2	M1	Z	9.305	9.305	0	%100
3	M4	X	1.902	1.902	0	%100
4	M4	Z	3.295	3.295	0	%100
5	M10	X	4.829	4.829	0	%100
6	M10	Z	8.364	8.364	0	%100
7	MP3A	X	5.084	5.084	0	%100
8	MP3A	Z	8.805	8.805	0	%100
9	MP4A	X	5.084	5.084	0	%100
10	MP4A	Z	8.805	8.805	0	%100
11	MP2A	X	5.084	5.084	0	%100
12	MP2A	Z	8.805	8.805	0	%100
13	MP1A	X	6.154	6.154	0	%100
14	MP1A	Z	10.659	10.659	0	%100
15	M43	X	4.829	4.829	0	%100
16	M43	Z	8.364	8.364	0	%100
17	M46	X	9.632	9.632	0	%100
18	M46	Z	16.684	16.684	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	5.349	5.349	0	%100
22	M52B	Z	9.264	9.264	0	%100
23	M76	X	3.211	3.211	0	%100
24	M76	Z	5.561	5.561	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
28	M80	Z	0	0	0	%100
29	M84	X	3.211	3.211	0	%100
30	M84	Z	5.561	5.561	0	%100
31	M85	X	9.811	9.811	0	%100
32	M85	Z	16.993	16.993	0	%100
33	M91	X	10.333	10.333	0	%100
34	M91	Z	17.898	17.898	0	%100
35	M34	X	7.609	7.609	0	%100
36	M34	Z	13.18	13.18	0	%100
37	M35	X	0	0	0	%100
38	M35	Z	0	0	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	0	0	0	%100
43	M40	X	5.349	5.349	0	%100
44	M40	Z	9.264	9.264	0	%100
45	M41	X	5.349	5.349	0	%100
46	M41	Z	9.264	9.264	0	%100
47	M45	X	12.843	12.843	0	%100
48	M45	Z	22.245	22.245	0	%100
49	M46A	X	9.811	9.811	0	%100
50	M46A	Z	16.993	16.993	0	%100
51	M48	X	10.333	10.333	0	%100
52	M48	Z	17.898	17.898	0	%100
53	M50A	X	12.843	12.843	0	%100
54	M50A	Z	22.245	22.245	0	%100
55	M51C	X	9.811	9.811	0	%100
56	M51C	Z	16.993	16.993	0	%100
57	M53	X	10.333	10.333	0	%100
58	M53	Z	17.898	17.898	0	%100
59	M58A	X	1.902	1.902	0	%100
60	M58A	Z	3.295	3.295	0	%100
61	M59A	X	4.829	4.829	0	%100
62	M59A	Z	8.364	8.364	0	%100
63	M60	X	4.829	4.829	0	%100
64	M60	Z	8.364	8.364	0	%100
65	M61	X	9.632	9.632	0	%100
66	M61	Z	16.684	16.684	0	%100
67	M64	X	5.349	5.349	0	%100
68	M64	Z	9.264	9.264	0	%100
69	M65	X	0	0	0	%100
70	M65	Z	0	0	0	%100
71	M69	X	3.211	3.211	0	%100
72	M69	Z	5.561	5.561	0	%100
73	M70	X	9.811	9.811	0	%100
74	M70	Z	16.993	16.993	0	%100
75	M72	X	10.333	10.333	0	%100
76	M72	Z	17.898	17.898	0	%100
77	M74	X	3.211	3.211	0	%100
78	M74	Z	5.561	5.561	0	%100
79	M75	X	0	0	0	%100
80	M75	Z	0	0	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	0	0	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
85	MP3C	X	5.084	5.084	0	%100
86	MP3C	Z	8.805	8.805	0	%100
87	MP4C	X	5.084	5.084	0	%100
88	MP4C	Z	8.805	8.805	0	%100
89	MP2C	X	5.084	5.084	0	%100
90	MP2C	Z	8.805	8.805	0	%100
91	MP1C	X	6.154	6.154	0	%100
92	MP1C	Z	10.659	10.659	0	%100
93	M91A	X	5.372	5.372	0	%100
94	M91A	Z	9.305	9.305	0	%100
95	MP3B	X	5.084	5.084	0	%100
96	MP3B	Z	8.805	8.805	0	%100
97	MP4B	X	5.084	5.084	0	%100
98	MP4B	Z	8.805	8.805	0	%100
99	MP2B	X	5.084	5.084	0	%100
100	MP2B	Z	8.805	8.805	0	%100
101	MP1B	X	6.154	6.154	0	%100
102	MP1B	Z	10.659	10.659	0	%100
103	R1	X	4.633	4.633	0	%100
104	R1	Z	8.024	8.024	0	%100
105	M102	X	3.813	3.813	0	%100
106	M102	Z	6.604	6.604	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	0	0	0	%100
109	M112	X	3.813	3.813	0	%100
110	M112	Z	6.604	6.604	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	4.636	4.636	0	%100
114	M124	Z	8.03	8.03	0	%100
115	M125	X	4.636	4.636	0	%100
116	M125	Z	8.03	8.03	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	0	0	0	%100
2	M1	Z	14.326	14.326	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	12.878	12.878	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	10.167	10.167	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	10.167	10.167	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	10.167	10.167	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	12.308	12.308	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	12.878	12.878	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	25.686	25.686	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	3.566	3.566	0	%100
21	M52B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
22	M52B	Z	3.566	3.566	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	6.54	6.54	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	6.889	6.889	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	6.54	6.54	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	6.889	6.889	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	11.414	11.414	0	%100
37	M35	X	0	0	0	%100
38	M35	Z	3.219	3.219	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	3.219	3.219	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	6.422	6.422	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	3.566	3.566	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	14.263	14.263	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	19.265	19.265	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	6.54	6.54	0	%100
51	M48	X	0	0	0	%100
52	M48	Z	6.889	6.889	0	%100
53	M50A	X	0	0	0	%100
54	M50A	Z	19.265	19.265	0	%100
55	M51C	X	0	0	0	%100
56	M51C	Z	26.162	26.162	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	27.556	27.556	0	%100
59	M58A	X	0	0	0	%100
60	M58A	Z	11.414	11.414	0	%100
61	M59A	X	0	0	0	%100
62	M59A	Z	3.219	3.219	0	%100
63	M60	X	0	0	0	%100
64	M60	Z	3.219	3.219	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	6.422	6.422	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	14.263	14.263	0	%100
69	M65	X	0	0	0	%100
70	M65	Z	3.566	3.566	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	19.265	19.265	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	26.162	26.162	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	27.556	27.556	0	%100
77	M74	X	0	0	0	%100
78	M74	Z	19.265	19.265	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
79	M75	X	0	0	0	%100
80	M75	Z	6.54	6.54	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	6.889	6.889	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	3.581	3.581	0	%100
85	MP3C	X	0	0	0	%100
86	MP3C	Z	10.167	10.167	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	10.167	10.167	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	10.167	10.167	0	%100
91	MP1C	X	0	0	0	%100
92	MP1C	Z	12.308	12.308	0	%100
93	M91A	X	0	0	0	%100
94	M91A	Z	3.581	3.581	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	10.167	10.167	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	10.167	10.167	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	10.167	10.167	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	12.308	12.308	0	%100
103	R1	X	0	0	0	%100
104	R1	Z	9.266	9.266	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	10.167	10.167	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	2.542	2.542	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	2.542	2.542	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	3.091	3.091	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	3.091	3.091	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	12.362	12.362	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	-5.372	-5.372	0	%100
2	M1	Z	9.305	9.305	0	%100
3	M4	X	-1.902	-1.902	0	%100
4	M4	Z	3.295	3.295	0	%100
5	M10	X	-4.829	-4.829	0	%100
6	M10	Z	8.364	8.364	0	%100
7	MP3A	X	-5.084	-5.084	0	%100
8	MP3A	Z	8.805	8.805	0	%100
9	MP4A	X	-5.084	-5.084	0	%100
10	MP4A	Z	8.805	8.805	0	%100
11	MP2A	X	-5.084	-5.084	0	%100
12	MP2A	Z	8.805	8.805	0	%100
13	MP1A	X	-6.154	-6.154	0	%100
14	MP1A	Z	10.659	10.659	0	%100
15	M43	X	-4.829	-4.829	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
16	M43	Z	8.364	8.364	0	%100
17	M46	X	-9.632	-9.632	0	%100
18	M46	Z	16.684	16.684	0	%100
19	M51B	X	-5.349	-5.349	0	%100
20	M51B	Z	9.264	9.264	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-3.211	-3.211	0	%100
24	M76	Z	5.561	5.561	0	%100
25	M77	X	-9.811	-9.811	0	%100
26	M77	Z	16.993	16.993	0	%100
27	M80	X	-10.333	-10.333	0	%100
28	M80	Z	17.898	17.898	0	%100
29	M84	X	-3.211	-3.211	0	%100
30	M84	Z	5.561	5.561	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	-1.902	-1.902	0	%100
36	M34	Z	3.295	3.295	0	%100
37	M35	X	-4.829	-4.829	0	%100
38	M35	Z	8.364	8.364	0	%100
39	M36	X	-4.829	-4.829	0	%100
40	M36	Z	8.364	8.364	0	%100
41	M37	X	-9.632	-9.632	0	%100
42	M37	Z	16.684	16.684	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	0	0	0	%100
45	M41	X	-5.349	-5.349	0	%100
46	M41	Z	9.264	9.264	0	%100
47	M45	X	-3.211	-3.211	0	%100
48	M45	Z	5.561	5.561	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	0	0	0	%100
51	M48	X	0	0	0	%100
52	M48	Z	0	0	0	%100
53	M50A	X	-3.211	-3.211	0	%100
54	M50A	Z	5.561	5.561	0	%100
55	M51C	X	-9.811	-9.811	0	%100
56	M51C	Z	16.993	16.993	0	%100
57	M53	X	-10.333	-10.333	0	%100
58	M53	Z	17.898	17.898	0	%100
59	M58A	X	-7.609	-7.609	0	%100
60	M58A	Z	13.18	13.18	0	%100
61	M59A	X	0	0	0	%100
62	M59A	Z	0	0	0	%100
63	M60	X	0	0	0	%100
64	M60	Z	0	0	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	0	0	0	%100
67	M64	X	-5.349	-5.349	0	%100
68	M64	Z	9.264	9.264	0	%100
69	M65	X	-5.349	-5.349	0	%100
70	M65	Z	9.264	9.264	0	%100
71	M69	X	-12.843	-12.843	0	%100
72	M69	Z	22.245	22.245	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
73	M70	X	-9.811	-9.811	0	%100
74	M70	Z	16.993	16.993	0	%100
75	M72	X	-10.333	-10.333	0	%100
76	M72	Z	17.898	17.898	0	%100
77	M74	X	-12.843	-12.843	0	%100
78	M74	Z	22.245	22.245	0	%100
79	M75	X	-9.811	-9.811	0	%100
80	M75	Z	16.993	16.993	0	%100
81	M77A	X	-10.333	-10.333	0	%100
82	M77A	Z	17.898	17.898	0	%100
83	M82	X	-5.372	-5.372	0	%100
84	M82	Z	9.305	9.305	0	%100
85	MP3C	X	-5.084	-5.084	0	%100
86	MP3C	Z	8.805	8.805	0	%100
87	MP4C	X	-5.084	-5.084	0	%100
88	MP4C	Z	8.805	8.805	0	%100
89	MP2C	X	-5.084	-5.084	0	%100
90	MP2C	Z	8.805	8.805	0	%100
91	MP1C	X	-6.154	-6.154	0	%100
92	MP1C	Z	10.659	10.659	0	%100
93	M91A	X	0	0	0	%100
94	M91A	Z	0	0	0	%100
95	MP3B	X	-5.084	-5.084	0	%100
96	MP3B	Z	8.805	8.805	0	%100
97	MP4B	X	-5.084	-5.084	0	%100
98	MP4B	Z	8.805	8.805	0	%100
99	MP2B	X	-5.084	-5.084	0	%100
100	MP2B	Z	8.805	8.805	0	%100
101	MP1B	X	-6.154	-6.154	0	%100
102	MP1B	Z	10.659	10.659	0	%100
103	R1	X	-4.633	-4.633	0	%100
104	R1	Z	8.024	8.024	0	%100
105	M102	X	-3.813	-3.813	0	%100
106	M102	Z	6.604	6.604	0	%100
107	M107	X	-3.813	-3.813	0	%100
108	M107	Z	6.604	6.604	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	0	0	0	%100
111	M123	X	-4.636	-4.636	0	%100
112	M123	Z	8.03	8.03	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	-4.636	-4.636	0	%100
116	M125	Z	8.03	8.03	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	-3.102	-3.102	0	%100
2	M1	Z	1.791	1.791	0	%100
3	M4	X	-9.885	-9.885	0	%100
4	M4	Z	5.707	5.707	0	%100
5	M10	X	-2.788	-2.788	0	%100
6	M10	Z	1.61	1.61	0	%100
7	MP3A	X	-8.805	-8.805	0	%100
8	MP3A	Z	5.084	5.084	0	%100
9	MP4A	X	-8.805	-8.805	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
10	MP4A	Z	5.084	5.084	0	%100
11	MP2A	X	-8.805	-8.805	0	%100
12	MP2A	Z	5.084	5.084	0	%100
13	MP1A	X	-10.659	-10.659	0	%100
14	MP1A	Z	6.154	6.154	0	%100
15	M43	X	-2.788	-2.788	0	%100
16	M43	Z	1.61	1.61	0	%100
17	M46	X	-5.561	-5.561	0	%100
18	M46	Z	3.211	3.211	0	%100
19	M51B	X	-12.352	-12.352	0	%100
20	M51B	Z	7.132	7.132	0	%100
21	M52B	X	-3.088	-3.088	0	%100
22	M52B	Z	1.783	1.783	0	%100
23	M76	X	-16.684	-16.684	0	%100
24	M76	Z	9.632	9.632	0	%100
25	M77	X	-22.657	-22.657	0	%100
26	M77	Z	13.081	13.081	0	%100
27	M80	X	-23.864	-23.864	0	%100
28	M80	Z	13.778	13.778	0	%100
29	M84	X	-16.684	-16.684	0	%100
30	M84	Z	9.632	9.632	0	%100
31	M85	X	-5.664	-5.664	0	%100
32	M85	Z	3.27	3.27	0	%100
33	M91	X	-5.966	-5.966	0	%100
34	M91	Z	3.444	3.444	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	0	0	0	%100
37	M35	X	-11.152	-11.152	0	%100
38	M35	Z	6.439	6.439	0	%100
39	M36	X	-11.152	-11.152	0	%100
40	M36	Z	6.439	6.439	0	%100
41	M37	X	-22.245	-22.245	0	%100
42	M37	Z	12.843	12.843	0	%100
43	M40	X	-3.088	-3.088	0	%100
44	M40	Z	1.783	1.783	0	%100
45	M41	X	-3.088	-3.088	0	%100
46	M41	Z	1.783	1.783	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	0	0	0	%100
49	M46A	X	-5.664	-5.664	0	%100
50	M46A	Z	3.27	3.27	0	%100
51	M48	X	-5.966	-5.966	0	%100
52	M48	Z	3.444	3.444	0	%100
53	M50A	X	0	0	0	%100
54	M50A	Z	0	0	0	%100
55	M51C	X	-5.664	-5.664	0	%100
56	M51C	Z	3.27	3.27	0	%100
57	M53	X	-5.966	-5.966	0	%100
58	M53	Z	3.444	3.444	0	%100
59	M58A	X	-9.885	-9.885	0	%100
60	M58A	Z	5.707	5.707	0	%100
61	M59A	X	-2.788	-2.788	0	%100
62	M59A	Z	1.61	1.61	0	%100
63	M60	X	-2.788	-2.788	0	%100
64	M60	Z	1.61	1.61	0	%100
65	M61	X	-5.561	-5.561	0	%100
66	M61	Z	3.211	3.211	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
67	M64	X	-3.088	-3.088	0	%100
68	M64	Z	1.783	1.783	0	%100
69	M65	X	-12.352	-12.352	0	%100
70	M65	Z	7.132	7.132	0	%100
71	M69	X	-16.684	-16.684	0	%100
72	M69	Z	9.632	9.632	0	%100
73	M70	X	-5.664	-5.664	0	%100
74	M70	Z	3.27	3.27	0	%100
75	M72	X	-5.966	-5.966	0	%100
76	M72	Z	3.444	3.444	0	%100
77	M74	X	-16.684	-16.684	0	%100
78	M74	Z	9.632	9.632	0	%100
79	M75	X	-22.657	-22.657	0	%100
80	M75	Z	13.081	13.081	0	%100
81	M77A	X	-23.864	-23.864	0	%100
82	M77A	Z	13.778	13.778	0	%100
83	M82	X	-12.407	-12.407	0	%100
84	M82	Z	7.163	7.163	0	%100
85	MP3C	X	-8.805	-8.805	0	%100
86	MP3C	Z	5.084	5.084	0	%100
87	MP4C	X	-8.805	-8.805	0	%100
88	MP4C	Z	5.084	5.084	0	%100
89	MP2C	X	-8.805	-8.805	0	%100
90	MP2C	Z	5.084	5.084	0	%100
91	MP1C	X	-10.659	-10.659	0	%100
92	MP1C	Z	6.154	6.154	0	%100
93	M91A	X	-3.102	-3.102	0	%100
94	M91A	Z	1.791	1.791	0	%100
95	MP3B	X	-8.805	-8.805	0	%100
96	MP3B	Z	5.084	5.084	0	%100
97	MP4B	X	-8.805	-8.805	0	%100
98	MP4B	Z	5.084	5.084	0	%100
99	MP2B	X	-8.805	-8.805	0	%100
100	MP2B	Z	5.084	5.084	0	%100
101	MP1B	X	-10.659	-10.659	0	%100
102	MP1B	Z	6.154	6.154	0	%100
103	R1	X	-8.024	-8.024	0	%100
104	R1	Z	4.633	4.633	0	%100
105	M102	X	-2.201	-2.201	0	%100
106	M102	Z	1.271	1.271	0	%100
107	M107	X	-8.805	-8.805	0	%100
108	M107	Z	5.084	5.084	0	%100
109	M112	X	-2.201	-2.201	0	%100
110	M112	Z	1.271	1.271	0	%100
111	M123	X	-10.706	-10.706	0	%100
112	M123	Z	6.181	6.181	0	%100
113	M124	X	-2.677	-2.677	0	%100
114	M124	Z	1.545	1.545	0	%100
115	M125	X	-2.677	-2.677	0	%100
116	M125	Z	1.545	1.545	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-15.219	-15.219	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	-10.167	-10.167	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-10.167	-10.167	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-10.167	-10.167	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-12.308	-12.308	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	-10.697	-10.697	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-10.697	-10.697	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-25.686	-25.686	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-19.621	-19.621	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-20.667	-20.667	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-25.686	-25.686	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-19.621	-19.621	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	-20.667	-20.667	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	-3.805	-3.805	0	%100
36	M34	Z	0	0	0	%100
37	M35	X	-9.658	-9.658	0	%100
38	M35	Z	0	0	0	%100
39	M36	X	-9.658	-9.658	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	-19.265	-19.265	0	%100
42	M37	Z	0	0	0	%100
43	M40	X	-10.697	-10.697	0	%100
44	M40	Z	0	0	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	0	0	0	%100
47	M45	X	-6.422	-6.422	0	%100
48	M45	Z	0	0	0	%100
49	M46A	X	-19.621	-19.621	0	%100
50	M46A	Z	0	0	0	%100
51	M48	X	-20.667	-20.667	0	%100
52	M48	Z	0	0	0	%100
53	M50A	X	-6.422	-6.422	0	%100
54	M50A	Z	0	0	0	%100
55	M51C	X	0	0	0	%100
56	M51C	Z	0	0	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	0	0	0	%100
59	M58A	X	-3.805	-3.805	0	%100
60	M58A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
61	M59A	X	-9.658	-9.658	0	%100
62	M59A	Z	0	0	0	%100
63	M60	X	-9.658	-9.658	0	%100
64	M60	Z	0	0	0	%100
65	M61	X	-19.265	-19.265	0	%100
66	M61	Z	0	0	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	0	0	0	%100
69	M65	X	-10.697	-10.697	0	%100
70	M65	Z	0	0	0	%100
71	M69	X	-6.422	-6.422	0	%100
72	M69	Z	0	0	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	0	0	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	0	0	0	%100
77	M74	X	-6.422	-6.422	0	%100
78	M74	Z	0	0	0	%100
79	M75	X	-19.621	-19.621	0	%100
80	M75	Z	0	0	0	%100
81	M77A	X	-20.667	-20.667	0	%100
82	M77A	Z	0	0	0	%100
83	M82	X	-10.744	-10.744	0	%100
84	M82	Z	0	0	0	%100
85	MP3C	X	-10.167	-10.167	0	%100
86	MP3C	Z	0	0	0	%100
87	MP4C	X	-10.167	-10.167	0	%100
88	MP4C	Z	0	0	0	%100
89	MP2C	X	-10.167	-10.167	0	%100
90	MP2C	Z	0	0	0	%100
91	MP1C	X	-12.308	-12.308	0	%100
92	MP1C	Z	0	0	0	%100
93	M91A	X	-10.744	-10.744	0	%100
94	M91A	Z	0	0	0	%100
95	MP3B	X	-10.167	-10.167	0	%100
96	MP3B	Z	0	0	0	%100
97	MP4B	X	-10.167	-10.167	0	%100
98	MP4B	Z	0	0	0	%100
99	MP2B	X	-10.167	-10.167	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	-12.308	-12.308	0	%100
102	MP1B	Z	0	0	0	%100
103	R1	X	-9.266	-9.266	0	%100
104	R1	Z	0	0	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	0	0	0	%100
107	M107	X	-7.626	-7.626	0	%100
108	M107	Z	0	0	0	%100
109	M112	X	-7.626	-7.626	0	%100
110	M112	Z	0	0	0	%100
111	M123	X	-9.272	-9.272	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	-9.272	-9.272	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	-3.102	-3.102	0	%100
2	M1	Z	-1.791	-1.791	0	%100
3	M4	X	-9.885	-9.885	0	%100
4	M4	Z	-5.707	-5.707	0	%100
5	M10	X	-2.788	-2.788	0	%100
6	M10	Z	-1.61	-1.61	0	%100
7	MP3A	X	-8.805	-8.805	0	%100
8	MP3A	Z	-5.084	-5.084	0	%100
9	MP4A	X	-8.805	-8.805	0	%100
10	MP4A	Z	-5.084	-5.084	0	%100
11	MP2A	X	-8.805	-8.805	0	%100
12	MP2A	Z	-5.084	-5.084	0	%100
13	MP1A	X	-10.659	-10.659	0	%100
14	MP1A	Z	-6.154	-6.154	0	%100
15	M43	X	-2.788	-2.788	0	%100
16	M43	Z	-1.61	-1.61	0	%100
17	M46	X	-5.561	-5.561	0	%100
18	M46	Z	-3.211	-3.211	0	%100
19	M51B	X	-3.088	-3.088	0	%100
20	M51B	Z	-1.783	-1.783	0	%100
21	M52B	X	-12.352	-12.352	0	%100
22	M52B	Z	-7.132	-7.132	0	%100
23	M76	X	-16.684	-16.684	0	%100
24	M76	Z	-9.632	-9.632	0	%100
25	M77	X	-5.664	-5.664	0	%100
26	M77	Z	-3.27	-3.27	0	%100
27	M80	X	-5.966	-5.966	0	%100
28	M80	Z	-3.444	-3.444	0	%100
29	M84	X	-16.684	-16.684	0	%100
30	M84	Z	-9.632	-9.632	0	%100
31	M85	X	-22.657	-22.657	0	%100
32	M85	Z	-13.081	-13.081	0	%100
33	M91	X	-23.864	-23.864	0	%100
34	M91	Z	-13.778	-13.778	0	%100
35	M34	X	-9.885	-9.885	0	%100
36	M34	Z	-5.707	-5.707	0	%100
37	M35	X	-2.788	-2.788	0	%100
38	M35	Z	-1.61	-1.61	0	%100
39	M36	X	-2.788	-2.788	0	%100
40	M36	Z	-1.61	-1.61	0	%100
41	M37	X	-5.561	-5.561	0	%100
42	M37	Z	-3.211	-3.211	0	%100
43	M40	X	-12.352	-12.352	0	%100
44	M40	Z	-7.132	-7.132	0	%100
45	M41	X	-3.088	-3.088	0	%100
46	M41	Z	-1.783	-1.783	0	%100
47	M45	X	-16.684	-16.684	0	%100
48	M45	Z	-9.632	-9.632	0	%100
49	M46A	X	-22.657	-22.657	0	%100
50	M46A	Z	-13.081	-13.081	0	%100
51	M48	X	-23.864	-23.864	0	%100
52	M48	Z	-13.778	-13.778	0	%100
53	M50A	X	-16.684	-16.684	0	%100
54	M50A	Z	-9.632	-9.632	0	%100
55	M51C	X	-5.664	-5.664	0	%100
56	M51C	Z	-3.27	-3.27	0	%100
57	M53	X	-5.966	-5.966	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
58	M53	Z	-3.444	-3.444	0	%100
59	M58A	X	0	0	0	%100
60	M58A	Z	0	0	0	%100
61	M59A	X	-11.152	-11.152	0	%100
62	M59A	Z	-6.439	-6.439	0	%100
63	M60	X	-11.152	-11.152	0	%100
64	M60	Z	-6.439	-6.439	0	%100
65	M61	X	-22.245	-22.245	0	%100
66	M61	Z	-12.843	-12.843	0	%100
67	M64	X	-3.088	-3.088	0	%100
68	M64	Z	-1.783	-1.783	0	%100
69	M65	X	-3.088	-3.088	0	%100
70	M65	Z	-1.783	-1.783	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	0	0	0	%100
73	M70	X	-5.664	-5.664	0	%100
74	M70	Z	-3.27	-3.27	0	%100
75	M72	X	-5.966	-5.966	0	%100
76	M72	Z	-3.444	-3.444	0	%100
77	M74	X	0	0	0	%100
78	M74	Z	0	0	0	%100
79	M75	X	-5.664	-5.664	0	%100
80	M75	Z	-3.27	-3.27	0	%100
81	M77A	X	-5.966	-5.966	0	%100
82	M77A	Z	-3.444	-3.444	0	%100
83	M82	X	-3.102	-3.102	0	%100
84	M82	Z	-1.791	-1.791	0	%100
85	MP3C	X	-8.805	-8.805	0	%100
86	MP3C	Z	-5.084	-5.084	0	%100
87	MP4C	X	-8.805	-8.805	0	%100
88	MP4C	Z	-5.084	-5.084	0	%100
89	MP2C	X	-8.805	-8.805	0	%100
90	MP2C	Z	-5.084	-5.084	0	%100
91	MP1C	X	-10.659	-10.659	0	%100
92	MP1C	Z	-6.154	-6.154	0	%100
93	M91A	X	-12.407	-12.407	0	%100
94	M91A	Z	-7.163	-7.163	0	%100
95	MP3B	X	-8.805	-8.805	0	%100
96	MP3B	Z	-5.084	-5.084	0	%100
97	MP4B	X	-8.805	-8.805	0	%100
98	MP4B	Z	-5.084	-5.084	0	%100
99	MP2B	X	-8.805	-8.805	0	%100
100	MP2B	Z	-5.084	-5.084	0	%100
101	MP1B	X	-10.659	-10.659	0	%100
102	MP1B	Z	-6.154	-6.154	0	%100
103	R1	X	-8.024	-8.024	0	%100
104	R1	Z	-4.633	-4.633	0	%100
105	M102	X	-2.201	-2.201	0	%100
106	M102	Z	-1.271	-1.271	0	%100
107	M107	X	-2.201	-2.201	0	%100
108	M107	Z	-1.271	-1.271	0	%100
109	M112	X	-8.805	-8.805	0	%100
110	M112	Z	-5.084	-5.084	0	%100
111	M123	X	-2.677	-2.677	0	%100
112	M123	Z	-1.545	-1.545	0	%100
113	M124	X	-10.706	-10.706	0	%100
114	M124	Z	-6.181	-6.181	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
115	M125	X	-2.677	-2.677	0	%100
116	M125	Z	-1.545	-1.545	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	-5.372	-5.372	0	%100
2	M1	Z	-9.305	-9.305	0	%100
3	M4	X	-1.902	-1.902	0	%100
4	M4	Z	-3.295	-3.295	0	%100
5	M10	X	-4.829	-4.829	0	%100
6	M10	Z	-8.364	-8.364	0	%100
7	MP3A	X	-5.084	-5.084	0	%100
8	MP3A	Z	-8.805	-8.805	0	%100
9	MP4A	X	-5.084	-5.084	0	%100
10	MP4A	Z	-8.805	-8.805	0	%100
11	MP2A	X	-5.084	-5.084	0	%100
12	MP2A	Z	-8.805	-8.805	0	%100
13	MP1A	X	-6.154	-6.154	0	%100
14	MP1A	Z	-10.659	-10.659	0	%100
15	M43	X	-4.829	-4.829	0	%100
16	M43	Z	-8.364	-8.364	0	%100
17	M46	X	-9.632	-9.632	0	%100
18	M46	Z	-16.684	-16.684	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-5.349	-5.349	0	%100
22	M52B	Z	-9.264	-9.264	0	%100
23	M76	X	-3.211	-3.211	0	%100
24	M76	Z	-5.561	-5.561	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-3.211	-3.211	0	%100
30	M84	Z	-5.561	-5.561	0	%100
31	M85	X	-9.811	-9.811	0	%100
32	M85	Z	-16.993	-16.993	0	%100
33	M91	X	-10.333	-10.333	0	%100
34	M91	Z	-17.898	-17.898	0	%100
35	M34	X	-7.609	-7.609	0	%100
36	M34	Z	-13.18	-13.18	0	%100
37	M35	X	0	0	0	%100
38	M35	Z	0	0	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	0	0	0	%100
43	M40	X	-5.349	-5.349	0	%100
44	M40	Z	-9.264	-9.264	0	%100
45	M41	X	-5.349	-5.349	0	%100
46	M41	Z	-9.264	-9.264	0	%100
47	M45	X	-12.843	-12.843	0	%100
48	M45	Z	-22.245	-22.245	0	%100
49	M46A	X	-9.811	-9.811	0	%100
50	M46A	Z	-16.993	-16.993	0	%100
51	M48	X	-10.333	-10.333	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
52	M48	Z	-17.898	-17.898	0	%100
53	M50A	X	-12.843	-12.843	0	%100
54	M50A	Z	-22.245	-22.245	0	%100
55	M51C	X	-9.811	-9.811	0	%100
56	M51C	Z	-16.993	-16.993	0	%100
57	M53	X	-10.333	-10.333	0	%100
58	M53	Z	-17.898	-17.898	0	%100
59	M58A	X	-1.902	-1.902	0	%100
60	M58A	Z	-3.295	-3.295	0	%100
61	M59A	X	-4.829	-4.829	0	%100
62	M59A	Z	-8.364	-8.364	0	%100
63	M60	X	-4.829	-4.829	0	%100
64	M60	Z	-8.364	-8.364	0	%100
65	M61	X	-9.632	-9.632	0	%100
66	M61	Z	-16.684	-16.684	0	%100
67	M64	X	-5.349	-5.349	0	%100
68	M64	Z	-9.264	-9.264	0	%100
69	M65	X	0	0	0	%100
70	M65	Z	0	0	0	%100
71	M69	X	-3.211	-3.211	0	%100
72	M69	Z	-5.561	-5.561	0	%100
73	M70	X	-9.811	-9.811	0	%100
74	M70	Z	-16.993	-16.993	0	%100
75	M72	X	-10.333	-10.333	0	%100
76	M72	Z	-17.898	-17.898	0	%100
77	M74	X	-3.211	-3.211	0	%100
78	M74	Z	-5.561	-5.561	0	%100
79	M75	X	0	0	0	%100
80	M75	Z	0	0	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	0	0	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	0	0	0	%100
85	MP3C	X	-5.084	-5.084	0	%100
86	MP3C	Z	-8.805	-8.805	0	%100
87	MP4C	X	-5.084	-5.084	0	%100
88	MP4C	Z	-8.805	-8.805	0	%100
89	MP2C	X	-5.084	-5.084	0	%100
90	MP2C	Z	-8.805	-8.805	0	%100
91	MP1C	X	-6.154	-6.154	0	%100
92	MP1C	Z	-10.659	-10.659	0	%100
93	M91A	X	-5.372	-5.372	0	%100
94	M91A	Z	-9.305	-9.305	0	%100
95	MP3B	X	-5.084	-5.084	0	%100
96	MP3B	Z	-8.805	-8.805	0	%100
97	MP4B	X	-5.084	-5.084	0	%100
98	MP4B	Z	-8.805	-8.805	0	%100
99	MP2B	X	-5.084	-5.084	0	%100
100	MP2B	Z	-8.805	-8.805	0	%100
101	MP1B	X	-6.154	-6.154	0	%100
102	MP1B	Z	-10.659	-10.659	0	%100
103	R1	X	-4.633	-4.633	0	%100
104	R1	Z	-8.024	-8.024	0	%100
105	M102	X	-3.813	-3.813	0	%100
106	M102	Z	-6.604	-6.604	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
109	M112	X	-3.813	-3.813	0	%100
110	M112	Z	-6.604	-6.604	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	-4.636	-4.636	0	%100
114	M124	Z	-8.03	-8.03	0	%100
115	M125	X	-4.636	-4.636	0	%100
116	M125	Z	-8.03	-8.03	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	0	0	0	%100
2	M1	Z	-4.319	-4.319	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-3.55	-3.55	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-3.483	-3.483	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-3.483	-3.483	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-3.483	-3.483	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-3.854	-3.854	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-3.55	-3.55	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-5.552	-5.552	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	-1.021	-1.021	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	-1.021	-1.021	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	-1.386	-1.386	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-1.446	-1.446	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	-1.386	-1.386	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	-1.446	-1.446	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	-3.27	-3.27	0	%100
37	M35	X	0	0	0	%100
38	M35	Z	-.888	-.888	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	-.888	-.888	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	-1.388	-1.388	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	-1.021	-1.021	0	%100
45	M41	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
46	M41	Z	-4.086	-4.086	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	-4.096	-4.096	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	-1.386	-1.386	0	%100
51	M48	X	0	0	0	%100
52	M48	Z	-1.446	-1.446	0	%100
53	M50A	X	0	0	0	%100
54	M50A	Z	-4.096	-4.096	0	%100
55	M51C	X	0	0	0	%100
56	M51C	Z	-5.544	-5.544	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	-5.786	-5.786	0	%100
59	M58A	X	0	0	0	%100
60	M58A	Z	-3.27	-3.27	0	%100
61	M59A	X	0	0	0	%100
62	M59A	Z	-.888	-.888	0	%100
63	M60	X	0	0	0	%100
64	M60	Z	-.888	-.888	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	-1.388	-1.388	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	-4.086	-4.086	0	%100
69	M65	X	0	0	0	%100
70	M65	Z	-1.021	-1.021	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	-4.096	-4.096	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	-5.544	-5.544	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	-5.786	-5.786	0	%100
77	M74	X	0	0	0	%100
78	M74	Z	-4.096	-4.096	0	%100
79	M75	X	0	0	0	%100
80	M75	Z	-1.386	-1.386	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	-1.446	-1.446	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	-1.08	-1.08	0	%100
85	MP3C	X	0	0	0	%100
86	MP3C	Z	-3.483	-3.483	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	-3.483	-3.483	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	-3.483	-3.483	0	%100
91	MP1C	X	0	0	0	%100
92	MP1C	Z	-3.854	-3.854	0	%100
93	M91A	X	0	0	0	%100
94	M91A	Z	-1.08	-1.08	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	-3.483	-3.483	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	-3.483	-3.483	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	-3.483	-3.483	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-3.854	-3.854	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
103	R1	X	0	0	0	%100
104	R1	Z	-3.192	-3.192	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	-3.483	-3.483	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	-.871	-.871	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	-.871	-.871	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	-.825	-.825	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	-.825	-.825	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	-3.299	-3.299	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	1.62	1.62	0	%100
2	M1	Z	-2.805	-2.805	0	%100
3	M4	X	.545	.545	0	%100
4	M4	Z	-.944	-.944	0	%100
5	M10	X	1.331	1.331	0	%100
6	M10	Z	-2.306	-2.306	0	%100
7	MP3A	X	1.741	1.741	0	%100
8	MP3A	Z	-3.016	-3.016	0	%100
9	MP4A	X	1.741	1.741	0	%100
10	MP4A	Z	-3.016	-3.016	0	%100
11	MP2A	X	1.741	1.741	0	%100
12	MP2A	Z	-3.016	-3.016	0	%100
13	MP1A	X	1.927	1.927	0	%100
14	MP1A	Z	-3.338	-3.338	0	%100
15	M43	X	1.331	1.331	0	%100
16	M43	Z	-2.306	-2.306	0	%100
17	M46	X	2.082	2.082	0	%100
18	M46	Z	-3.606	-3.606	0	%100
19	M51B	X	1.532	1.532	0	%100
20	M51B	Z	-2.654	-2.654	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	.683	.683	0	%100
24	M76	Z	-1.182	-1.182	0	%100
25	M77	X	2.079	2.079	0	%100
26	M77	Z	-3.601	-3.601	0	%100
27	M80	X	2.17	2.17	0	%100
28	M80	Z	-3.758	-3.758	0	%100
29	M84	X	.683	.683	0	%100
30	M84	Z	-1.182	-1.182	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	.545	.545	0	%100
36	M34	Z	-.944	-.944	0	%100
37	M35	X	1.331	1.331	0	%100
38	M35	Z	-2.306	-2.306	0	%100
39	M36	X	1.331	1.331	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
40	M36	Z	-2.306	-2.306	0	%100
41	M37	X	2.082	2.082	0	%100
42	M37	Z	-3.606	-3.606	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	0	0	0	%100
45	M41	X	1.532	1.532	0	%100
46	M41	Z	-2.654	-2.654	0	%100
47	M45	X	.683	.683	0	%100
48	M45	Z	-1.182	-1.182	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	0	0	0	%100
51	M48	X	0	0	0	%100
52	M48	Z	0	0	0	%100
53	M50A	X	.683	.683	0	%100
54	M50A	Z	-1.182	-1.182	0	%100
55	M51C	X	2.079	2.079	0	%100
56	M51C	Z	-3.601	-3.601	0	%100
57	M53	X	2.17	2.17	0	%100
58	M53	Z	-3.758	-3.758	0	%100
59	M58A	X	2.18	2.18	0	%100
60	M58A	Z	-3.776	-3.776	0	%100
61	M59A	X	0	0	0	%100
62	M59A	Z	0	0	0	%100
63	M60	X	0	0	0	%100
64	M60	Z	0	0	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	0	0	0	%100
67	M64	X	1.532	1.532	0	%100
68	M64	Z	-2.654	-2.654	0	%100
69	M65	X	1.532	1.532	0	%100
70	M65	Z	-2.654	-2.654	0	%100
71	M69	X	2.731	2.731	0	%100
72	M69	Z	-4.73	-4.73	0	%100
73	M70	X	2.079	2.079	0	%100
74	M70	Z	-3.601	-3.601	0	%100
75	M72	X	2.17	2.17	0	%100
76	M72	Z	-3.758	-3.758	0	%100
77	M74	X	2.731	2.731	0	%100
78	M74	Z	-4.73	-4.73	0	%100
79	M75	X	2.079	2.079	0	%100
80	M75	Z	-3.601	-3.601	0	%100
81	M77A	X	2.17	2.17	0	%100
82	M77A	Z	-3.758	-3.758	0	%100
83	M82	X	1.62	1.62	0	%100
84	M82	Z	-2.805	-2.805	0	%100
85	MP3C	X	1.741	1.741	0	%100
86	MP3C	Z	-3.016	-3.016	0	%100
87	MP4C	X	1.741	1.741	0	%100
88	MP4C	Z	-3.016	-3.016	0	%100
89	MP2C	X	1.741	1.741	0	%100
90	MP2C	Z	-3.016	-3.016	0	%100
91	MP1C	X	1.927	1.927	0	%100
92	MP1C	Z	-3.338	-3.338	0	%100
93	M91A	X	0	0	0	%100
94	M91A	Z	0	0	0	%100
95	MP3B	X	1.741	1.741	0	%100
96	MP3B	Z	-3.016	-3.016	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
97	MP4B	X	1.741	1.741	0	%100
98	MP4B	Z	-3.016	-3.016	0	%100
99	MP2B	X	1.741	1.741	0	%100
100	MP2B	Z	-3.016	-3.016	0	%100
101	MP1B	X	1.927	1.927	0	%100
102	MP1B	Z	-3.338	-3.338	0	%100
103	R1	X	1.596	1.596	0	%100
104	R1	Z	-2.764	-2.764	0	%100
105	M102	X	1.306	1.306	0	%100
106	M102	Z	-2.262	-2.262	0	%100
107	M107	X	1.306	1.306	0	%100
108	M107	Z	-2.262	-2.262	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	0	0	0	%100
111	M123	X	1.237	1.237	0	%100
112	M123	Z	-2.143	-2.143	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	1.237	1.237	0	%100
116	M125	Z	-2.143	-2.143	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	.935	.935	0	%100
2	M1	Z	-.54	-.54	0	%100
3	M4	X	2.832	2.832	0	%100
4	M4	Z	-1.635	-1.635	0	%100
5	M10	X	.769	.769	0	%100
6	M10	Z	-.444	-.444	0	%100
7	MP3A	X	3.016	3.016	0	%100
8	MP3A	Z	-1.741	-1.741	0	%100
9	MP4A	X	3.016	3.016	0	%100
10	MP4A	Z	-1.741	-1.741	0	%100
11	MP2A	X	3.016	3.016	0	%100
12	MP2A	Z	-1.741	-1.741	0	%100
13	MP1A	X	3.338	3.338	0	%100
14	MP1A	Z	-1.927	-1.927	0	%100
15	M43	X	.769	.769	0	%100
16	M43	Z	-.444	-.444	0	%100
17	M46	X	1.202	1.202	0	%100
18	M46	Z	-.694	-.694	0	%100
19	M51B	X	3.539	3.539	0	%100
20	M51B	Z	-2.043	-2.043	0	%100
21	M52B	X	.885	.885	0	%100
22	M52B	Z	-.511	-.511	0	%100
23	M76	X	3.547	3.547	0	%100
24	M76	Z	-2.048	-2.048	0	%100
25	M77	X	4.801	4.801	0	%100
26	M77	Z	-2.772	-2.772	0	%100
27	M80	X	5.011	5.011	0	%100
28	M80	Z	-2.893	-2.893	0	%100
29	M84	X	3.547	3.547	0	%100
30	M84	Z	-2.048	-2.048	0	%100
31	M85	X	1.2	1.2	0	%100
32	M85	Z	-.693	-.693	0	%100
33	M91	X	1.253	1.253	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
34	M91	Z	-.723	-.723	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	0	0	0	%100
37	M35	X	3.075	3.075	0	%100
38	M35	Z	-1.775	-1.775	0	%100
39	M36	X	3.075	3.075	0	%100
40	M36	Z	-1.775	-1.775	0	%100
41	M37	X	4.808	4.808	0	%100
42	M37	Z	-2.776	-2.776	0	%100
43	M40	X	.885	.885	0	%100
44	M40	Z	-.511	-.511	0	%100
45	M41	X	.885	.885	0	%100
46	M41	Z	-.511	-.511	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	0	0	0	%100
49	M46A	X	1.2	1.2	0	%100
50	M46A	Z	-.693	-.693	0	%100
51	M48	X	1.253	1.253	0	%100
52	M48	Z	-.723	-.723	0	%100
53	M50A	X	0	0	0	%100
54	M50A	Z	0	0	0	%100
55	M51C	X	1.2	1.2	0	%100
56	M51C	Z	-.693	-.693	0	%100
57	M53	X	1.253	1.253	0	%100
58	M53	Z	-.723	-.723	0	%100
59	M58A	X	2.832	2.832	0	%100
60	M58A	Z	-1.635	-1.635	0	%100
61	M59A	X	.769	.769	0	%100
62	M59A	Z	-.444	-.444	0	%100
63	M60	X	.769	.769	0	%100
64	M60	Z	-.444	-.444	0	%100
65	M61	X	1.202	1.202	0	%100
66	M61	Z	-.694	-.694	0	%100
67	M64	X	.885	.885	0	%100
68	M64	Z	-.511	-.511	0	%100
69	M65	X	3.539	3.539	0	%100
70	M65	Z	-2.043	-2.043	0	%100
71	M69	X	3.547	3.547	0	%100
72	M69	Z	-2.048	-2.048	0	%100
73	M70	X	1.2	1.2	0	%100
74	M70	Z	-.693	-.693	0	%100
75	M72	X	1.253	1.253	0	%100
76	M72	Z	-.723	-.723	0	%100
77	M74	X	3.547	3.547	0	%100
78	M74	Z	-2.048	-2.048	0	%100
79	M75	X	4.801	4.801	0	%100
80	M75	Z	-2.772	-2.772	0	%100
81	M77A	X	5.011	5.011	0	%100
82	M77A	Z	-2.893	-2.893	0	%100
83	M82	X	3.74	3.74	0	%100
84	M82	Z	-2.159	-2.159	0	%100
85	MP3C	X	3.016	3.016	0	%100
86	MP3C	Z	-1.741	-1.741	0	%100
87	MP4C	X	3.016	3.016	0	%100
88	MP4C	Z	-1.741	-1.741	0	%100
89	MP2C	X	3.016	3.016	0	%100
90	MP2C	Z	-1.741	-1.741	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
91	MP1C	X	3.338	3.338	0	%100
92	MP1C	Z	-1.927	-1.927	0	%100
93	M91A	X	.935	.935	0	%100
94	M91A	Z	-.54	-.54	0	%100
95	MP3B	X	3.016	3.016	0	%100
96	MP3B	Z	-1.741	-1.741	0	%100
97	MP4B	X	3.016	3.016	0	%100
98	MP4B	Z	-1.741	-1.741	0	%100
99	MP2B	X	3.016	3.016	0	%100
100	MP2B	Z	-1.741	-1.741	0	%100
101	MP1B	X	3.338	3.338	0	%100
102	MP1B	Z	-1.927	-1.927	0	%100
103	R1	X	2.764	2.764	0	%100
104	R1	Z	-1.596	-1.596	0	%100
105	M102	X	.754	.754	0	%100
106	M102	Z	-.435	-.435	0	%100
107	M107	X	3.016	3.016	0	%100
108	M107	Z	-1.741	-1.741	0	%100
109	M112	X	.754	.754	0	%100
110	M112	Z	-.435	-.435	0	%100
111	M123	X	2.857	2.857	0	%100
112	M123	Z	-1.649	-1.649	0	%100
113	M124	X	.714	.714	0	%100
114	M124	Z	-.412	-.412	0	%100
115	M125	X	.714	.714	0	%100
116	M125	Z	-.412	-.412	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	4.36	4.36	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	3.483	3.483	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	3.483	3.483	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	3.483	3.483	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	3.854	3.854	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	3.064	3.064	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	3.064	3.064	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	5.461	5.461	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	4.158	4.158	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	4.339	4.339	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
28	M80	Z	0	0	0	%100
29	M84	X	5.461	5.461	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	4.158	4.158	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	4.339	4.339	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	1.09	1.09	0	%100
36	M34	Z	0	0	0	%100
37	M35	X	2.663	2.663	0	%100
38	M35	Z	0	0	0	%100
39	M36	X	2.663	2.663	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	4.164	4.164	0	%100
42	M37	Z	0	0	0	%100
43	M40	X	3.064	3.064	0	%100
44	M40	Z	0	0	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	0	0	0	%100
47	M45	X	1.365	1.365	0	%100
48	M45	Z	0	0	0	%100
49	M46A	X	4.158	4.158	0	%100
50	M46A	Z	0	0	0	%100
51	M48	X	4.339	4.339	0	%100
52	M48	Z	0	0	0	%100
53	M50A	X	1.365	1.365	0	%100
54	M50A	Z	0	0	0	%100
55	M51C	X	0	0	0	%100
56	M51C	Z	0	0	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	0	0	0	%100
59	M58A	X	1.09	1.09	0	%100
60	M58A	Z	0	0	0	%100
61	M59A	X	2.663	2.663	0	%100
62	M59A	Z	0	0	0	%100
63	M60	X	2.663	2.663	0	%100
64	M60	Z	0	0	0	%100
65	M61	X	4.164	4.164	0	%100
66	M61	Z	0	0	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	0	0	0	%100
69	M65	X	3.064	3.064	0	%100
70	M65	Z	0	0	0	%100
71	M69	X	1.365	1.365	0	%100
72	M69	Z	0	0	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	0	0	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	0	0	0	%100
77	M74	X	1.365	1.365	0	%100
78	M74	Z	0	0	0	%100
79	M75	X	4.158	4.158	0	%100
80	M75	Z	0	0	0	%100
81	M77A	X	4.339	4.339	0	%100
82	M77A	Z	0	0	0	%100
83	M82	X	3.239	3.239	0	%100
84	M82	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
85	MP3C	X	3.483	3.483	0	%100
86	MP3C	Z	0	0	0	%100
87	MP4C	X	3.483	3.483	0	%100
88	MP4C	Z	0	0	0	%100
89	MP2C	X	3.483	3.483	0	%100
90	MP2C	Z	0	0	0	%100
91	MP1C	X	3.854	3.854	0	%100
92	MP1C	Z	0	0	0	%100
93	M91A	X	3.239	3.239	0	%100
94	M91A	Z	0	0	0	%100
95	MP3B	X	3.483	3.483	0	%100
96	MP3B	Z	0	0	0	%100
97	MP4B	X	3.483	3.483	0	%100
98	MP4B	Z	0	0	0	%100
99	MP2B	X	3.483	3.483	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	3.854	3.854	0	%100
102	MP1B	Z	0	0	0	%100
103	R1	X	3.192	3.192	0	%100
104	R1	Z	0	0	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	0	0	0	%100
107	M107	X	2.612	2.612	0	%100
108	M107	Z	0	0	0	%100
109	M112	X	2.612	2.612	0	%100
110	M112	Z	0	0	0	%100
111	M123	X	2.474	2.474	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	2.474	2.474	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	.935	.935	0	%100
2	M1	Z	.54	.54	0	%100
3	M4	X	2.832	2.832	0	%100
4	M4	Z	1.635	1.635	0	%100
5	M10	X	.769	.769	0	%100
6	M10	Z	.444	.444	0	%100
7	MP3A	X	3.016	3.016	0	%100
8	MP3A	Z	1.741	1.741	0	%100
9	MP4A	X	3.016	3.016	0	%100
10	MP4A	Z	1.741	1.741	0	%100
11	MP2A	X	3.016	3.016	0	%100
12	MP2A	Z	1.741	1.741	0	%100
13	MP1A	X	3.338	3.338	0	%100
14	MP1A	Z	1.927	1.927	0	%100
15	M43	X	.769	.769	0	%100
16	M43	Z	.444	.444	0	%100
17	M46	X	1.202	1.202	0	%100
18	M46	Z	.694	.694	0	%100
19	M51B	X	.885	.885	0	%100
20	M51B	Z	.511	.511	0	%100
21	M52B	X	3.539	3.539	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
22	M52B	Z	2.043	2.043	0	%100
23	M76	X	3.547	3.547	0	%100
24	M76	Z	2.048	2.048	0	%100
25	M77	X	1.2	1.2	0	%100
26	M77	Z	.693	.693	0	%100
27	M80	X	1.253	1.253	0	%100
28	M80	Z	.723	.723	0	%100
29	M84	X	3.547	3.547	0	%100
30	M84	Z	2.048	2.048	0	%100
31	M85	X	4.801	4.801	0	%100
32	M85	Z	2.772	2.772	0	%100
33	M91	X	5.011	5.011	0	%100
34	M91	Z	2.893	2.893	0	%100
35	M34	X	2.832	2.832	0	%100
36	M34	Z	1.635	1.635	0	%100
37	M35	X	.769	.769	0	%100
38	M35	Z	.444	.444	0	%100
39	M36	X	.769	.769	0	%100
40	M36	Z	.444	.444	0	%100
41	M37	X	1.202	1.202	0	%100
42	M37	Z	.694	.694	0	%100
43	M40	X	3.539	3.539	0	%100
44	M40	Z	2.043	2.043	0	%100
45	M41	X	.885	.885	0	%100
46	M41	Z	.511	.511	0	%100
47	M45	X	3.547	3.547	0	%100
48	M45	Z	2.048	2.048	0	%100
49	M46A	X	4.801	4.801	0	%100
50	M46A	Z	2.772	2.772	0	%100
51	M48	X	5.011	5.011	0	%100
52	M48	Z	2.893	2.893	0	%100
53	M50A	X	3.547	3.547	0	%100
54	M50A	Z	2.048	2.048	0	%100
55	M51C	X	1.2	1.2	0	%100
56	M51C	Z	.693	.693	0	%100
57	M53	X	1.253	1.253	0	%100
58	M53	Z	.723	.723	0	%100
59	M58A	X	0	0	0	%100
60	M58A	Z	0	0	0	%100
61	M59A	X	3.075	3.075	0	%100
62	M59A	Z	1.775	1.775	0	%100
63	M60	X	3.075	3.075	0	%100
64	M60	Z	1.775	1.775	0	%100
65	M61	X	4.808	4.808	0	%100
66	M61	Z	2.776	2.776	0	%100
67	M64	X	.885	.885	0	%100
68	M64	Z	.511	.511	0	%100
69	M65	X	.885	.885	0	%100
70	M65	Z	.511	.511	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	0	0	0	%100
73	M70	X	1.2	1.2	0	%100
74	M70	Z	.693	.693	0	%100
75	M72	X	1.253	1.253	0	%100
76	M72	Z	.723	.723	0	%100
77	M74	X	0	0	0	%100
78	M74	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
79	M75	X	1.2	1.2	0	%100
80	M75	Z	.693	.693	0	%100
81	M77A	X	1.253	1.253	0	%100
82	M77A	Z	.723	.723	0	%100
83	M82	X	.935	.935	0	%100
84	M82	Z	.54	.54	0	%100
85	MP3C	X	3.016	3.016	0	%100
86	MP3C	Z	1.741	1.741	0	%100
87	MP4C	X	3.016	3.016	0	%100
88	MP4C	Z	1.741	1.741	0	%100
89	MP2C	X	3.016	3.016	0	%100
90	MP2C	Z	1.741	1.741	0	%100
91	MP1C	X	3.338	3.338	0	%100
92	MP1C	Z	1.927	1.927	0	%100
93	M91A	X	3.74	3.74	0	%100
94	M91A	Z	2.159	2.159	0	%100
95	MP3B	X	3.016	3.016	0	%100
96	MP3B	Z	1.741	1.741	0	%100
97	MP4B	X	3.016	3.016	0	%100
98	MP4B	Z	1.741	1.741	0	%100
99	MP2B	X	3.016	3.016	0	%100
100	MP2B	Z	1.741	1.741	0	%100
101	MP1B	X	3.338	3.338	0	%100
102	MP1B	Z	1.927	1.927	0	%100
103	R1	X	2.764	2.764	0	%100
104	R1	Z	1.596	1.596	0	%100
105	M102	X	.754	.754	0	%100
106	M102	Z	.435	.435	0	%100
107	M107	X	.754	.754	0	%100
108	M107	Z	.435	.435	0	%100
109	M112	X	3.016	3.016	0	%100
110	M112	Z	1.741	1.741	0	%100
111	M123	X	.714	.714	0	%100
112	M123	Z	.412	.412	0	%100
113	M124	X	2.857	2.857	0	%100
114	M124	Z	1.649	1.649	0	%100
115	M125	X	.714	.714	0	%100
116	M125	Z	.412	.412	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	1.62	1.62	0	%100
2	M1	Z	2.805	2.805	0	%100
3	M4	X	.545	.545	0	%100
4	M4	Z	.944	.944	0	%100
5	M10	X	1.331	1.331	0	%100
6	M10	Z	2.306	2.306	0	%100
7	MP3A	X	1.741	1.741	0	%100
8	MP3A	Z	3.016	3.016	0	%100
9	MP4A	X	1.741	1.741	0	%100
10	MP4A	Z	3.016	3.016	0	%100
11	MP2A	X	1.741	1.741	0	%100
12	MP2A	Z	3.016	3.016	0	%100
13	MP1A	X	1.927	1.927	0	%100
14	MP1A	Z	3.338	3.338	0	%100
15	M43	X	1.331	1.331	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
16	M43	Z	2.306	2.306	0	%100
17	M46	X	2.082	2.082	0	%100
18	M46	Z	3.606	3.606	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	1.532	1.532	0	%100
22	M52B	Z	2.654	2.654	0	%100
23	M76	X	.683	.683	0	%100
24	M76	Z	1.182	1.182	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	.683	.683	0	%100
30	M84	Z	1.182	1.182	0	%100
31	M85	X	2.079	2.079	0	%100
32	M85	Z	3.601	3.601	0	%100
33	M91	X	2.17	2.17	0	%100
34	M91	Z	3.758	3.758	0	%100
35	M34	X	2.18	2.18	0	%100
36	M34	Z	3.776	3.776	0	%100
37	M35	X	0	0	0	%100
38	M35	Z	0	0	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	0	0	0	%100
43	M40	X	1.532	1.532	0	%100
44	M40	Z	2.654	2.654	0	%100
45	M41	X	1.532	1.532	0	%100
46	M41	Z	2.654	2.654	0	%100
47	M45	X	2.731	2.731	0	%100
48	M45	Z	4.73	4.73	0	%100
49	M46A	X	2.079	2.079	0	%100
50	M46A	Z	3.601	3.601	0	%100
51	M48	X	2.17	2.17	0	%100
52	M48	Z	3.758	3.758	0	%100
53	M50A	X	2.731	2.731	0	%100
54	M50A	Z	4.73	4.73	0	%100
55	M51C	X	2.079	2.079	0	%100
56	M51C	Z	3.601	3.601	0	%100
57	M53	X	2.17	2.17	0	%100
58	M53	Z	3.758	3.758	0	%100
59	M58A	X	.545	.545	0	%100
60	M58A	Z	.944	.944	0	%100
61	M59A	X	1.331	1.331	0	%100
62	M59A	Z	2.306	2.306	0	%100
63	M60	X	1.331	1.331	0	%100
64	M60	Z	2.306	2.306	0	%100
65	M61	X	2.082	2.082	0	%100
66	M61	Z	3.606	3.606	0	%100
67	M64	X	1.532	1.532	0	%100
68	M64	Z	2.654	2.654	0	%100
69	M65	X	0	0	0	%100
70	M65	Z	0	0	0	%100
71	M69	X	.683	.683	0	%100
72	M69	Z	1.182	1.182	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
73	M70	X	2.079	2.079	0	%100
74	M70	Z	3.601	3.601	0	%100
75	M72	X	2.17	2.17	0	%100
76	M72	Z	3.758	3.758	0	%100
77	M74	X	.683	.683	0	%100
78	M74	Z	1.182	1.182	0	%100
79	M75	X	0	0	0	%100
80	M75	Z	0	0	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	0	0	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	0	0	0	%100
85	MP3C	X	1.741	1.741	0	%100
86	MP3C	Z	3.016	3.016	0	%100
87	MP4C	X	1.741	1.741	0	%100
88	MP4C	Z	3.016	3.016	0	%100
89	MP2C	X	1.741	1.741	0	%100
90	MP2C	Z	3.016	3.016	0	%100
91	MP1C	X	1.927	1.927	0	%100
92	MP1C	Z	3.338	3.338	0	%100
93	M91A	X	1.62	1.62	0	%100
94	M91A	Z	2.805	2.805	0	%100
95	MP3B	X	1.741	1.741	0	%100
96	MP3B	Z	3.016	3.016	0	%100
97	MP4B	X	1.741	1.741	0	%100
98	MP4B	Z	3.016	3.016	0	%100
99	MP2B	X	1.741	1.741	0	%100
100	MP2B	Z	3.016	3.016	0	%100
101	MP1B	X	1.927	1.927	0	%100
102	MP1B	Z	3.338	3.338	0	%100
103	R1	X	1.596	1.596	0	%100
104	R1	Z	2.764	2.764	0	%100
105	M102	X	1.306	1.306	0	%100
106	M102	Z	2.262	2.262	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	0	0	0	%100
109	M112	X	1.306	1.306	0	%100
110	M112	Z	2.262	2.262	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	1.237	1.237	0	%100
114	M124	Z	2.143	2.143	0	%100
115	M125	X	1.237	1.237	0	%100
116	M125	Z	2.143	2.143	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	0	0	0	%100
2	M1	Z	4.319	4.319	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	3.55	3.55	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	3.483	3.483	0	%100
9	MP4A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
10	MP4A	Z	3.483	3.483	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	3.483	3.483	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	3.854	3.854	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	3.55	3.55	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	5.552	5.552	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	1.021	1.021	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	1.021	1.021	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	1.386	1.386	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	1.446	1.446	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	1.386	1.386	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	1.446	1.446	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	3.27	3.27	0	%100
37	M35	X	0	0	0	%100
38	M35	Z	.888	.888	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	.888	.888	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	1.388	1.388	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	1.021	1.021	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	4.086	4.086	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	4.096	4.096	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	1.386	1.386	0	%100
51	M48	X	0	0	0	%100
52	M48	Z	1.446	1.446	0	%100
53	M50A	X	0	0	0	%100
54	M50A	Z	4.096	4.096	0	%100
55	M51C	X	0	0	0	%100
56	M51C	Z	5.544	5.544	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	5.786	5.786	0	%100
59	M58A	X	0	0	0	%100
60	M58A	Z	3.27	3.27	0	%100
61	M59A	X	0	0	0	%100
62	M59A	Z	.888	.888	0	%100
63	M60	X	0	0	0	%100
64	M60	Z	.888	.888	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	1.388	1.388	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
67	M64	X	0	0	0	%100
68	M64	Z	4.086	4.086	0	%100
69	M65	X	0	0	0	%100
70	M65	Z	1.021	1.021	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	4.096	4.096	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	5.544	5.544	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	5.786	5.786	0	%100
77	M74	X	0	0	0	%100
78	M74	Z	4.096	4.096	0	%100
79	M75	X	0	0	0	%100
80	M75	Z	1.386	1.386	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	1.446	1.446	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	1.08	1.08	0	%100
85	MP3C	X	0	0	0	%100
86	MP3C	Z	3.483	3.483	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	3.483	3.483	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	3.483	3.483	0	%100
91	MP1C	X	0	0	0	%100
92	MP1C	Z	3.854	3.854	0	%100
93	M91A	X	0	0	0	%100
94	M91A	Z	1.08	1.08	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	3.483	3.483	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	3.483	3.483	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	3.483	3.483	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	3.854	3.854	0	%100
103	R1	X	0	0	0	%100
104	R1	Z	3.192	3.192	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	3.483	3.483	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	.871	.871	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	.871	.871	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	.825	.825	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	.825	.825	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	3.299	3.299	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	-1.62	-1.62	0	%100
2	M1	Z	2.805	2.805	0	%100
3	M4	X	-.545	-.545	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
4	M4	Z	.944	.944	0	%100
5	M10	X	-1.331	-1.331	0	%100
6	M10	Z	2.306	2.306	0	%100
7	MP3A	X	-1.741	-1.741	0	%100
8	MP3A	Z	3.016	3.016	0	%100
9	MP4A	X	-1.741	-1.741	0	%100
10	MP4A	Z	3.016	3.016	0	%100
11	MP2A	X	-1.741	-1.741	0	%100
12	MP2A	Z	3.016	3.016	0	%100
13	MP1A	X	-1.927	-1.927	0	%100
14	MP1A	Z	3.338	3.338	0	%100
15	M43	X	-1.331	-1.331	0	%100
16	M43	Z	2.306	2.306	0	%100
17	M46	X	-2.082	-2.082	0	%100
18	M46	Z	3.606	3.606	0	%100
19	M51B	X	-1.532	-1.532	0	%100
20	M51B	Z	2.654	2.654	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-.683	-.683	0	%100
24	M76	Z	1.182	1.182	0	%100
25	M77	X	-2.079	-2.079	0	%100
26	M77	Z	3.601	3.601	0	%100
27	M80	X	-2.17	-2.17	0	%100
28	M80	Z	3.758	3.758	0	%100
29	M84	X	-.683	-.683	0	%100
30	M84	Z	1.182	1.182	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	-.545	-.545	0	%100
36	M34	Z	.944	.944	0	%100
37	M35	X	-1.331	-1.331	0	%100
38	M35	Z	2.306	2.306	0	%100
39	M36	X	-1.331	-1.331	0	%100
40	M36	Z	2.306	2.306	0	%100
41	M37	X	-2.082	-2.082	0	%100
42	M37	Z	3.606	3.606	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	0	0	0	%100
45	M41	X	-1.532	-1.532	0	%100
46	M41	Z	2.654	2.654	0	%100
47	M45	X	-.683	-.683	0	%100
48	M45	Z	1.182	1.182	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	0	0	0	%100
51	M48	X	0	0	0	%100
52	M48	Z	0	0	0	%100
53	M50A	X	-.683	-.683	0	%100
54	M50A	Z	1.182	1.182	0	%100
55	M51C	X	-2.079	-2.079	0	%100
56	M51C	Z	3.601	3.601	0	%100
57	M53	X	-2.17	-2.17	0	%100
58	M53	Z	3.758	3.758	0	%100
59	M58A	X	-2.18	-2.18	0	%100
60	M58A	Z	3.776	3.776	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
61	M59A	X	0	0	0	%100
62	M59A	Z	0	0	0	%100
63	M60	X	0	0	0	%100
64	M60	Z	0	0	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	0	0	0	%100
67	M64	X	-1.532	-1.532	0	%100
68	M64	Z	2.654	2.654	0	%100
69	M65	X	-1.532	-1.532	0	%100
70	M65	Z	2.654	2.654	0	%100
71	M69	X	-2.731	-2.731	0	%100
72	M69	Z	4.73	4.73	0	%100
73	M70	X	-2.079	-2.079	0	%100
74	M70	Z	3.601	3.601	0	%100
75	M72	X	-2.17	-2.17	0	%100
76	M72	Z	3.758	3.758	0	%100
77	M74	X	-2.731	-2.731	0	%100
78	M74	Z	4.73	4.73	0	%100
79	M75	X	-2.079	-2.079	0	%100
80	M75	Z	3.601	3.601	0	%100
81	M77A	X	-2.17	-2.17	0	%100
82	M77A	Z	3.758	3.758	0	%100
83	M82	X	-1.62	-1.62	0	%100
84	M82	Z	2.805	2.805	0	%100
85	MP3C	X	-1.741	-1.741	0	%100
86	MP3C	Z	3.016	3.016	0	%100
87	MP4C	X	-1.741	-1.741	0	%100
88	MP4C	Z	3.016	3.016	0	%100
89	MP2C	X	-1.741	-1.741	0	%100
90	MP2C	Z	3.016	3.016	0	%100
91	MP1C	X	-1.927	-1.927	0	%100
92	MP1C	Z	3.338	3.338	0	%100
93	M91A	X	0	0	0	%100
94	M91A	Z	0	0	0	%100
95	MP3B	X	-1.741	-1.741	0	%100
96	MP3B	Z	3.016	3.016	0	%100
97	MP4B	X	-1.741	-1.741	0	%100
98	MP4B	Z	3.016	3.016	0	%100
99	MP2B	X	-1.741	-1.741	0	%100
100	MP2B	Z	3.016	3.016	0	%100
101	MP1B	X	-1.927	-1.927	0	%100
102	MP1B	Z	3.338	3.338	0	%100
103	R1	X	-1.596	-1.596	0	%100
104	R1	Z	2.764	2.764	0	%100
105	M102	X	-1.306	-1.306	0	%100
106	M102	Z	2.262	2.262	0	%100
107	M107	X	-1.306	-1.306	0	%100
108	M107	Z	2.262	2.262	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	0	0	0	%100
111	M123	X	-1.237	-1.237	0	%100
112	M123	Z	2.143	2.143	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	-1.237	-1.237	0	%100
116	M125	Z	2.143	2.143	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	-.935	-.935	0	%100
2	M1	Z	.54	.54	0	%100
3	M4	X	-2.832	-2.832	0	%100
4	M4	Z	1.635	1.635	0	%100
5	M10	X	-.769	-.769	0	%100
6	M10	Z	.444	.444	0	%100
7	MP3A	X	-3.016	-3.016	0	%100
8	MP3A	Z	1.741	1.741	0	%100
9	MP4A	X	-3.016	-3.016	0	%100
10	MP4A	Z	1.741	1.741	0	%100
11	MP2A	X	-3.016	-3.016	0	%100
12	MP2A	Z	1.741	1.741	0	%100
13	MP1A	X	-3.338	-3.338	0	%100
14	MP1A	Z	1.927	1.927	0	%100
15	M43	X	-.769	-.769	0	%100
16	M43	Z	.444	.444	0	%100
17	M46	X	-1.202	-1.202	0	%100
18	M46	Z	.694	.694	0	%100
19	M51B	X	-3.539	-3.539	0	%100
20	M51B	Z	2.043	2.043	0	%100
21	M52B	X	-.885	-.885	0	%100
22	M52B	Z	.511	.511	0	%100
23	M76	X	-3.547	-3.547	0	%100
24	M76	Z	2.048	2.048	0	%100
25	M77	X	-4.801	-4.801	0	%100
26	M77	Z	2.772	2.772	0	%100
27	M80	X	-5.011	-5.011	0	%100
28	M80	Z	2.893	2.893	0	%100
29	M84	X	-3.547	-3.547	0	%100
30	M84	Z	2.048	2.048	0	%100
31	M85	X	-1.2	-1.2	0	%100
32	M85	Z	.693	.693	0	%100
33	M91	X	-1.253	-1.253	0	%100
34	M91	Z	.723	.723	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	0	0	0	%100
37	M35	X	-3.075	-3.075	0	%100
38	M35	Z	1.775	1.775	0	%100
39	M36	X	-3.075	-3.075	0	%100
40	M36	Z	1.775	1.775	0	%100
41	M37	X	-4.808	-4.808	0	%100
42	M37	Z	2.776	2.776	0	%100
43	M40	X	-.885	-.885	0	%100
44	M40	Z	.511	.511	0	%100
45	M41	X	-.885	-.885	0	%100
46	M41	Z	.511	.511	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	0	0	0	%100
49	M46A	X	-1.2	-1.2	0	%100
50	M46A	Z	.693	.693	0	%100
51	M48	X	-1.253	-1.253	0	%100
52	M48	Z	.723	.723	0	%100
53	M50A	X	0	0	0	%100
54	M50A	Z	0	0	0	%100
55	M51C	X	-1.2	-1.2	0	%100
56	M51C	Z	.693	.693	0	%100
57	M53	X	-1.253	-1.253	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
58	M53	Z	.723	.723	0	%100
59	M58A	X	-2.832	-2.832	0	%100
60	M58A	Z	1.635	1.635	0	%100
61	M59A	X	-.769	-.769	0	%100
62	M59A	Z	.444	.444	0	%100
63	M60	X	-.769	-.769	0	%100
64	M60	Z	.444	.444	0	%100
65	M61	X	-1.202	-1.202	0	%100
66	M61	Z	.694	.694	0	%100
67	M64	X	-.885	-.885	0	%100
68	M64	Z	.511	.511	0	%100
69	M65	X	-3.539	-3.539	0	%100
70	M65	Z	2.043	2.043	0	%100
71	M69	X	-3.547	-3.547	0	%100
72	M69	Z	2.048	2.048	0	%100
73	M70	X	-1.2	-1.2	0	%100
74	M70	Z	.693	.693	0	%100
75	M72	X	-1.253	-1.253	0	%100
76	M72	Z	.723	.723	0	%100
77	M74	X	-3.547	-3.547	0	%100
78	M74	Z	2.048	2.048	0	%100
79	M75	X	-4.801	-4.801	0	%100
80	M75	Z	2.772	2.772	0	%100
81	M77A	X	-5.011	-5.011	0	%100
82	M77A	Z	2.893	2.893	0	%100
83	M82	X	-3.74	-3.74	0	%100
84	M82	Z	2.159	2.159	0	%100
85	MP3C	X	-3.016	-3.016	0	%100
86	MP3C	Z	1.741	1.741	0	%100
87	MP4C	X	-3.016	-3.016	0	%100
88	MP4C	Z	1.741	1.741	0	%100
89	MP2C	X	-3.016	-3.016	0	%100
90	MP2C	Z	1.741	1.741	0	%100
91	MP1C	X	-3.338	-3.338	0	%100
92	MP1C	Z	1.927	1.927	0	%100
93	M91A	X	-.935	-.935	0	%100
94	M91A	Z	.54	.54	0	%100
95	MP3B	X	-3.016	-3.016	0	%100
96	MP3B	Z	1.741	1.741	0	%100
97	MP4B	X	-3.016	-3.016	0	%100
98	MP4B	Z	1.741	1.741	0	%100
99	MP2B	X	-3.016	-3.016	0	%100
100	MP2B	Z	1.741	1.741	0	%100
101	MP1B	X	-3.338	-3.338	0	%100
102	MP1B	Z	1.927	1.927	0	%100
103	R1	X	-2.764	-2.764	0	%100
104	R1	Z	1.596	1.596	0	%100
105	M102	X	-.754	-.754	0	%100
106	M102	Z	.435	.435	0	%100
107	M107	X	-3.016	-3.016	0	%100
108	M107	Z	1.741	1.741	0	%100
109	M112	X	-.754	-.754	0	%100
110	M112	Z	.435	.435	0	%100
111	M123	X	-2.857	-2.857	0	%100
112	M123	Z	1.649	1.649	0	%100
113	M124	X	-.714	-.714	0	%100
114	M124	Z	.412	.412	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
115	M125	X	-.714	-.714	0	%100
116	M125	Z	.412	.412	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-4.36	-4.36	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	-3.483	-3.483	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-3.483	-3.483	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-3.483	-3.483	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-3.854	-3.854	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	-3.064	-3.064	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-3.064	-3.064	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-5.461	-5.461	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-4.158	-4.158	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-4.339	-4.339	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-5.461	-5.461	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-4.158	-4.158	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	-4.339	-4.339	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	-1.09	-1.09	0	%100
36	M34	Z	0	0	0	%100
37	M35	X	-2.663	-2.663	0	%100
38	M35	Z	0	0	0	%100
39	M36	X	-2.663	-2.663	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	-4.164	-4.164	0	%100
42	M37	Z	0	0	0	%100
43	M40	X	-3.064	-3.064	0	%100
44	M40	Z	0	0	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	0	0	0	%100
47	M45	X	-1.365	-1.365	0	%100
48	M45	Z	0	0	0	%100
49	M46A	X	-4.158	-4.158	0	%100
50	M46A	Z	0	0	0	%100
51	M48	X	-4.339	-4.339	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
52	M48	Z	0	0	0	%100
53	M50A	X	-1.365	-1.365	0	%100
54	M50A	Z	0	0	0	%100
55	M51C	X	0	0	0	%100
56	M51C	Z	0	0	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	0	0	0	%100
59	M58A	X	-1.09	-1.09	0	%100
60	M58A	Z	0	0	0	%100
61	M59A	X	-2.663	-2.663	0	%100
62	M59A	Z	0	0	0	%100
63	M60	X	-2.663	-2.663	0	%100
64	M60	Z	0	0	0	%100
65	M61	X	-4.164	-4.164	0	%100
66	M61	Z	0	0	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	0	0	0	%100
69	M65	X	-3.064	-3.064	0	%100
70	M65	Z	0	0	0	%100
71	M69	X	-1.365	-1.365	0	%100
72	M69	Z	0	0	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	0	0	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	0	0	0	%100
77	M74	X	-1.365	-1.365	0	%100
78	M74	Z	0	0	0	%100
79	M75	X	-4.158	-4.158	0	%100
80	M75	Z	0	0	0	%100
81	M77A	X	-4.339	-4.339	0	%100
82	M77A	Z	0	0	0	%100
83	M82	X	-3.239	-3.239	0	%100
84	M82	Z	0	0	0	%100
85	MP3C	X	-3.483	-3.483	0	%100
86	MP3C	Z	0	0	0	%100
87	MP4C	X	-3.483	-3.483	0	%100
88	MP4C	Z	0	0	0	%100
89	MP2C	X	-3.483	-3.483	0	%100
90	MP2C	Z	0	0	0	%100
91	MP1C	X	-3.854	-3.854	0	%100
92	MP1C	Z	0	0	0	%100
93	M91A	X	-3.239	-3.239	0	%100
94	M91A	Z	0	0	0	%100
95	MP3B	X	-3.483	-3.483	0	%100
96	MP3B	Z	0	0	0	%100
97	MP4B	X	-3.483	-3.483	0	%100
98	MP4B	Z	0	0	0	%100
99	MP2B	X	-3.483	-3.483	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	-3.854	-3.854	0	%100
102	MP1B	Z	0	0	0	%100
103	R1	X	-3.192	-3.192	0	%100
104	R1	Z	0	0	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	0	0	0	%100
107	M107	X	-2.612	-2.612	0	%100
108	M107	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
109	M112	X	-2.612	-2.612	0	%100
110	M112	Z	0	0	0	%100
111	M123	X	-2.474	-2.474	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	-2.474	-2.474	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	-.935	-.935	0	%100
2	M1	Z	-.54	-.54	0	%100
3	M4	X	-2.832	-2.832	0	%100
4	M4	Z	-1.635	-1.635	0	%100
5	M10	X	-.769	-.769	0	%100
6	M10	Z	-.444	-.444	0	%100
7	MP3A	X	-3.016	-3.016	0	%100
8	MP3A	Z	-1.741	-1.741	0	%100
9	MP4A	X	-3.016	-3.016	0	%100
10	MP4A	Z	-1.741	-1.741	0	%100
11	MP2A	X	-3.016	-3.016	0	%100
12	MP2A	Z	-1.741	-1.741	0	%100
13	MP1A	X	-3.338	-3.338	0	%100
14	MP1A	Z	-1.927	-1.927	0	%100
15	M43	X	-.769	-.769	0	%100
16	M43	Z	-.444	-.444	0	%100
17	M46	X	-1.202	-1.202	0	%100
18	M46	Z	-.694	-.694	0	%100
19	M51B	X	-.885	-.885	0	%100
20	M51B	Z	-.511	-.511	0	%100
21	M52B	X	-3.539	-3.539	0	%100
22	M52B	Z	-2.043	-2.043	0	%100
23	M76	X	-3.547	-3.547	0	%100
24	M76	Z	-2.048	-2.048	0	%100
25	M77	X	-1.2	-1.2	0	%100
26	M77	Z	-.693	-.693	0	%100
27	M80	X	-1.253	-1.253	0	%100
28	M80	Z	-.723	-.723	0	%100
29	M84	X	-3.547	-3.547	0	%100
30	M84	Z	-2.048	-2.048	0	%100
31	M85	X	-4.801	-4.801	0	%100
32	M85	Z	-2.772	-2.772	0	%100
33	M91	X	-5.011	-5.011	0	%100
34	M91	Z	-2.893	-2.893	0	%100
35	M34	X	-2.832	-2.832	0	%100
36	M34	Z	-1.635	-1.635	0	%100
37	M35	X	-.769	-.769	0	%100
38	M35	Z	-.444	-.444	0	%100
39	M36	X	-.769	-.769	0	%100
40	M36	Z	-.444	-.444	0	%100
41	M37	X	-1.202	-1.202	0	%100
42	M37	Z	-.694	-.694	0	%100
43	M40	X	-3.539	-3.539	0	%100
44	M40	Z	-2.043	-2.043	0	%100
45	M41	X	-.885	-.885	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
46	M41	Z	-.511	-.511	0	%100
47	M45	X	-3.547	-3.547	0	%100
48	M45	Z	-2.048	-2.048	0	%100
49	M46A	X	-4.801	-4.801	0	%100
50	M46A	Z	-2.772	-2.772	0	%100
51	M48	X	-5.011	-5.011	0	%100
52	M48	Z	-2.893	-2.893	0	%100
53	M50A	X	-3.547	-3.547	0	%100
54	M50A	Z	-2.048	-2.048	0	%100
55	M51C	X	-1.2	-1.2	0	%100
56	M51C	Z	-.693	-.693	0	%100
57	M53	X	-1.253	-1.253	0	%100
58	M53	Z	-.723	-.723	0	%100
59	M58A	X	0	0	0	%100
60	M58A	Z	0	0	0	%100
61	M59A	X	-3.075	-3.075	0	%100
62	M59A	Z	-1.775	-1.775	0	%100
63	M60	X	-3.075	-3.075	0	%100
64	M60	Z	-1.775	-1.775	0	%100
65	M61	X	-4.808	-4.808	0	%100
66	M61	Z	-2.776	-2.776	0	%100
67	M64	X	-.885	-.885	0	%100
68	M64	Z	-.511	-.511	0	%100
69	M65	X	-.885	-.885	0	%100
70	M65	Z	-.511	-.511	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	0	0	0	%100
73	M70	X	-1.2	-1.2	0	%100
74	M70	Z	-.693	-.693	0	%100
75	M72	X	-1.253	-1.253	0	%100
76	M72	Z	-.723	-.723	0	%100
77	M74	X	0	0	0	%100
78	M74	Z	0	0	0	%100
79	M75	X	-1.2	-1.2	0	%100
80	M75	Z	-.693	-.693	0	%100
81	M77A	X	-1.253	-1.253	0	%100
82	M77A	Z	-.723	-.723	0	%100
83	M82	X	-.935	-.935	0	%100
84	M82	Z	-.54	-.54	0	%100
85	MP3C	X	-3.016	-3.016	0	%100
86	MP3C	Z	-1.741	-1.741	0	%100
87	MP4C	X	-3.016	-3.016	0	%100
88	MP4C	Z	-1.741	-1.741	0	%100
89	MP2C	X	-3.016	-3.016	0	%100
90	MP2C	Z	-1.741	-1.741	0	%100
91	MP1C	X	-3.338	-3.338	0	%100
92	MP1C	Z	-1.927	-1.927	0	%100
93	M91A	X	-3.74	-3.74	0	%100
94	M91A	Z	-2.159	-2.159	0	%100
95	MP3B	X	-3.016	-3.016	0	%100
96	MP3B	Z	-1.741	-1.741	0	%100
97	MP4B	X	-3.016	-3.016	0	%100
98	MP4B	Z	-1.741	-1.741	0	%100
99	MP2B	X	-3.016	-3.016	0	%100
100	MP2B	Z	-1.741	-1.741	0	%100
101	MP1B	X	-3.338	-3.338	0	%100
102	MP1B	Z	-1.927	-1.927	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
103	R1	X	-2.764	-2.764	0	%100
104	R1	Z	-1.596	-1.596	0	%100
105	M102	X	-.754	-.754	0	%100
106	M102	Z	-.435	-.435	0	%100
107	M107	X	-.754	-.754	0	%100
108	M107	Z	-.435	-.435	0	%100
109	M112	X	-3.016	-3.016	0	%100
110	M112	Z	-1.741	-1.741	0	%100
111	M123	X	-.714	-.714	0	%100
112	M123	Z	-.412	-.412	0	%100
113	M124	X	-2.857	-2.857	0	%100
114	M124	Z	-1.649	-1.649	0	%100
115	M125	X	-.714	-.714	0	%100
116	M125	Z	-.412	-.412	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	-1.62	-1.62	0	%100
2	M1	Z	-2.805	-2.805	0	%100
3	M4	X	-.545	-.545	0	%100
4	M4	Z	-.944	-.944	0	%100
5	M10	X	-1.331	-1.331	0	%100
6	M10	Z	-2.306	-2.306	0	%100
7	MP3A	X	-1.741	-1.741	0	%100
8	MP3A	Z	-3.016	-3.016	0	%100
9	MP4A	X	-1.741	-1.741	0	%100
10	MP4A	Z	-3.016	-3.016	0	%100
11	MP2A	X	-1.741	-1.741	0	%100
12	MP2A	Z	-3.016	-3.016	0	%100
13	MP1A	X	-1.927	-1.927	0	%100
14	MP1A	Z	-3.338	-3.338	0	%100
15	M43	X	-1.331	-1.331	0	%100
16	M43	Z	-2.306	-2.306	0	%100
17	M46	X	-2.082	-2.082	0	%100
18	M46	Z	-3.606	-3.606	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-1.532	-1.532	0	%100
22	M52B	Z	-2.654	-2.654	0	%100
23	M76	X	-.683	-.683	0	%100
24	M76	Z	-1.182	-1.182	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-.683	-.683	0	%100
30	M84	Z	-1.182	-1.182	0	%100
31	M85	X	-2.079	-2.079	0	%100
32	M85	Z	-3.601	-3.601	0	%100
33	M91	X	-2.17	-2.17	0	%100
34	M91	Z	-3.758	-3.758	0	%100
35	M34	X	-2.18	-2.18	0	%100
36	M34	Z	-3.776	-3.776	0	%100
37	M35	X	0	0	0	%100
38	M35	Z	0	0	0	%100
39	M36	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
40	M36	Z	0	0	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	0	0	0	%100
43	M40	X	-1.532	-1.532	0	%100
44	M40	Z	-2.654	-2.654	0	%100
45	M41	X	-1.532	-1.532	0	%100
46	M41	Z	-2.654	-2.654	0	%100
47	M45	X	-2.731	-2.731	0	%100
48	M45	Z	-4.73	-4.73	0	%100
49	M46A	X	-2.079	-2.079	0	%100
50	M46A	Z	-3.601	-3.601	0	%100
51	M48	X	-2.17	-2.17	0	%100
52	M48	Z	-3.758	-3.758	0	%100
53	M50A	X	-2.731	-2.731	0	%100
54	M50A	Z	-4.73	-4.73	0	%100
55	M51C	X	-2.079	-2.079	0	%100
56	M51C	Z	-3.601	-3.601	0	%100
57	M53	X	-2.17	-2.17	0	%100
58	M53	Z	-3.758	-3.758	0	%100
59	M58A	X	-.545	-.545	0	%100
60	M58A	Z	-.944	-.944	0	%100
61	M59A	X	-1.331	-1.331	0	%100
62	M59A	Z	-2.306	-2.306	0	%100
63	M60	X	-1.331	-1.331	0	%100
64	M60	Z	-2.306	-2.306	0	%100
65	M61	X	-2.082	-2.082	0	%100
66	M61	Z	-3.606	-3.606	0	%100
67	M64	X	-1.532	-1.532	0	%100
68	M64	Z	-2.654	-2.654	0	%100
69	M65	X	0	0	0	%100
70	M65	Z	0	0	0	%100
71	M69	X	-.683	-.683	0	%100
72	M69	Z	-1.182	-1.182	0	%100
73	M70	X	-2.079	-2.079	0	%100
74	M70	Z	-3.601	-3.601	0	%100
75	M72	X	-2.17	-2.17	0	%100
76	M72	Z	-3.758	-3.758	0	%100
77	M74	X	-.683	-.683	0	%100
78	M74	Z	-1.182	-1.182	0	%100
79	M75	X	0	0	0	%100
80	M75	Z	0	0	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	0	0	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	0	0	0	%100
85	MP3C	X	-1.741	-1.741	0	%100
86	MP3C	Z	-3.016	-3.016	0	%100
87	MP4C	X	-1.741	-1.741	0	%100
88	MP4C	Z	-3.016	-3.016	0	%100
89	MP2C	X	-1.741	-1.741	0	%100
90	MP2C	Z	-3.016	-3.016	0	%100
91	MP1C	X	-1.927	-1.927	0	%100
92	MP1C	Z	-3.338	-3.338	0	%100
93	M91A	X	-1.62	-1.62	0	%100
94	M91A	Z	-2.805	-2.805	0	%100
95	MP3B	X	-1.741	-1.741	0	%100
96	MP3B	Z	-3.016	-3.016	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
97	MP4B	X	-1.741	-1.741	0	%100
98	MP4B	Z	-3.016	-3.016	0	%100
99	MP2B	X	-1.741	-1.741	0	%100
100	MP2B	Z	-3.016	-3.016	0	%100
101	MP1B	X	-1.927	-1.927	0	%100
102	MP1B	Z	-3.338	-3.338	0	%100
103	R1	X	-1.596	-1.596	0	%100
104	R1	Z	-2.764	-2.764	0	%100
105	M102	X	-1.306	-1.306	0	%100
106	M102	Z	-2.262	-2.262	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	0	0	0	%100
109	M112	X	-1.306	-1.306	0	%100
110	M112	Z	-2.262	-2.262	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	-1.237	-1.237	0	%100
114	M124	Z	-2.143	-2.143	0	%100
115	M125	X	-1.237	-1.237	0	%100
116	M125	Z	-2.143	-2.143	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	0	0	0	%100
2	M1	Z	-.895	-.895	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-.805	-.805	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-.635	-.635	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-.635	-.635	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-.635	-.635	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-.769	-.769	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-.805	-.805	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-1.605	-1.605	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	-.223	-.223	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	-.223	-.223	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	-.409	-.409	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-.431	-.431	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	-.409	-.409	0	%100
33	M91	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
34	M91	Z	-.431	-.431	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	-.713	-.713	0	%100
37	M35	X	0	0	0	%100
38	M35	Z	-.201	-.201	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	-.201	-.201	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	-.401	-.401	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	-.223	-.223	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	-.891	-.891	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	-1.204	-1.204	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	-.409	-.409	0	%100
51	M48	X	0	0	0	%100
52	M48	Z	-.431	-.431	0	%100
53	M50A	X	0	0	0	%100
54	M50A	Z	-1.204	-1.204	0	%100
55	M51C	X	0	0	0	%100
56	M51C	Z	-1.635	-1.635	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	-1.722	-1.722	0	%100
59	M58A	X	0	0	0	%100
60	M58A	Z	-.713	-.713	0	%100
61	M59A	X	0	0	0	%100
62	M59A	Z	-.201	-.201	0	%100
63	M60	X	0	0	0	%100
64	M60	Z	-.201	-.201	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	-.401	-.401	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	-.891	-.891	0	%100
69	M65	X	0	0	0	%100
70	M65	Z	-.223	-.223	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	-1.204	-1.204	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	-1.635	-1.635	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	-1.722	-1.722	0	%100
77	M74	X	0	0	0	%100
78	M74	Z	-1.204	-1.204	0	%100
79	M75	X	0	0	0	%100
80	M75	Z	-.409	-.409	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	-.431	-.431	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	-.224	-.224	0	%100
85	MP3C	X	0	0	0	%100
86	MP3C	Z	-.635	-.635	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	-.635	-.635	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	-.635	-.635	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
91	MP1C	X	0	0	0	%100
92	MP1C	Z	-.769	-.769	0	%100
93	M91A	X	0	0	0	%100
94	M91A	Z	-.224	-.224	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	-.635	-.635	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	-.635	-.635	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	-.635	-.635	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-.769	-.769	0	%100
103	R1	X	0	0	0	%100
104	R1	Z	-.579	-.579	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	-.635	-.635	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	-.159	-.159	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	-.159	-.159	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	-.193	-.193	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	-.193	-.193	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	-.773	-.773	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	.336	.336	0	%100
2	M1	Z	-.582	-.582	0	%100
3	M4	X	.119	.119	0	%100
4	M4	Z	-.206	-.206	0	%100
5	M10	X	.302	.302	0	%100
6	M10	Z	-.523	-.523	0	%100
7	MP3A	X	.318	.318	0	%100
8	MP3A	Z	-.55	-.55	0	%100
9	MP4A	X	.318	.318	0	%100
10	MP4A	Z	-.55	-.55	0	%100
11	MP2A	X	.318	.318	0	%100
12	MP2A	Z	-.55	-.55	0	%100
13	MP1A	X	.385	.385	0	%100
14	MP1A	Z	-.666	-.666	0	%100
15	M43	X	.302	.302	0	%100
16	M43	Z	-.523	-.523	0	%100
17	M46	X	.602	.602	0	%100
18	M46	Z	-1.043	-1.043	0	%100
19	M51B	X	.334	.334	0	%100
20	M51B	Z	-.579	-.579	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	.201	.201	0	%100
24	M76	Z	-.348	-.348	0	%100
25	M77	X	.613	.613	0	%100
26	M77	Z	-1.062	-1.062	0	%100
27	M80	X	.646	.646	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
28	M80	Z	-1.119	-1.119	0	%100
29	M84	X	.201	.201	0	%100
30	M84	Z	-.348	-.348	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	.119	.119	0	%100
36	M34	Z	-.206	-.206	0	%100
37	M35	X	.302	.302	0	%100
38	M35	Z	-.523	-.523	0	%100
39	M36	X	.302	.302	0	%100
40	M36	Z	-.523	-.523	0	%100
41	M37	X	.602	.602	0	%100
42	M37	Z	-1.043	-1.043	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	0	0	0	%100
45	M41	X	.334	.334	0	%100
46	M41	Z	-.579	-.579	0	%100
47	M45	X	.201	.201	0	%100
48	M45	Z	-.348	-.348	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	0	0	0	%100
51	M48	X	0	0	0	%100
52	M48	Z	0	0	0	%100
53	M50A	X	.201	.201	0	%100
54	M50A	Z	-.348	-.348	0	%100
55	M51C	X	.613	.613	0	%100
56	M51C	Z	-1.062	-1.062	0	%100
57	M53	X	.646	.646	0	%100
58	M53	Z	-1.119	-1.119	0	%100
59	M58A	X	.476	.476	0	%100
60	M58A	Z	-.824	-.824	0	%100
61	M59A	X	0	0	0	%100
62	M59A	Z	0	0	0	%100
63	M60	X	0	0	0	%100
64	M60	Z	0	0	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	0	0	0	%100
67	M64	X	.334	.334	0	%100
68	M64	Z	-.579	-.579	0	%100
69	M65	X	.334	.334	0	%100
70	M65	Z	-.579	-.579	0	%100
71	M69	X	.803	.803	0	%100
72	M69	Z	-1.39	-1.39	0	%100
73	M70	X	.613	.613	0	%100
74	M70	Z	-1.062	-1.062	0	%100
75	M72	X	.646	.646	0	%100
76	M72	Z	-1.119	-1.119	0	%100
77	M74	X	.803	.803	0	%100
78	M74	Z	-1.39	-1.39	0	%100
79	M75	X	.613	.613	0	%100
80	M75	Z	-1.062	-1.062	0	%100
81	M77A	X	.646	.646	0	%100
82	M77A	Z	-1.119	-1.119	0	%100
83	M82	X	.336	.336	0	%100
84	M82	Z	-.582	-.582	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
85	MP3C	X	.318	.318	0	%100
86	MP3C	Z	-.55	-.55	0	%100
87	MP4C	X	.318	.318	0	%100
88	MP4C	Z	-.55	-.55	0	%100
89	MP2C	X	.318	.318	0	%100
90	MP2C	Z	-.55	-.55	0	%100
91	MP1C	X	.385	.385	0	%100
92	MP1C	Z	-.666	-.666	0	%100
93	M91A	X	0	0	0	%100
94	M91A	Z	0	0	0	%100
95	MP3B	X	.318	.318	0	%100
96	MP3B	Z	-.55	-.55	0	%100
97	MP4B	X	.318	.318	0	%100
98	MP4B	Z	-.55	-.55	0	%100
99	MP2B	X	.318	.318	0	%100
100	MP2B	Z	-.55	-.55	0	%100
101	MP1B	X	.385	.385	0	%100
102	MP1B	Z	-.666	-.666	0	%100
103	R1	X	.29	.29	0	%100
104	R1	Z	-.502	-.502	0	%100
105	M102	X	.238	.238	0	%100
106	M102	Z	-.413	-.413	0	%100
107	M107	X	.238	.238	0	%100
108	M107	Z	-.413	-.413	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	0	0	0	%100
111	M123	X	.29	.29	0	%100
112	M123	Z	-.502	-.502	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	.29	.29	0	%100
116	M125	Z	-.502	-.502	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	.194	.194	0	%100
2	M1	Z	-.112	-.112	0	%100
3	M4	X	.618	.618	0	%100
4	M4	Z	-.357	-.357	0	%100
5	M10	X	.174	.174	0	%100
6	M10	Z	-.101	-.101	0	%100
7	MP3A	X	.55	.55	0	%100
8	MP3A	Z	-.318	-.318	0	%100
9	MP4A	X	.55	.55	0	%100
10	MP4A	Z	-.318	-.318	0	%100
11	MP2A	X	.55	.55	0	%100
12	MP2A	Z	-.318	-.318	0	%100
13	MP1A	X	.666	.666	0	%100
14	MP1A	Z	-.385	-.385	0	%100
15	M43	X	.174	.174	0	%100
16	M43	Z	-.101	-.101	0	%100
17	M46	X	.348	.348	0	%100
18	M46	Z	-.201	-.201	0	%100
19	M51B	X	.772	.772	0	%100
20	M51B	Z	-.446	-.446	0	%100
21	M52B	X	.193	.193	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
22	M52B	Z	-.111	-.111	0	%100
23	M76	X	1.043	1.043	0	%100
24	M76	Z	-.602	-.602	0	%100
25	M77	X	1.416	1.416	0	%100
26	M77	Z	-.818	-.818	0	%100
27	M80	X	1.491	1.491	0	%100
28	M80	Z	-.861	-.861	0	%100
29	M84	X	1.043	1.043	0	%100
30	M84	Z	-.602	-.602	0	%100
31	M85	X	.354	.354	0	%100
32	M85	Z	-.204	-.204	0	%100
33	M91	X	.373	.373	0	%100
34	M91	Z	-.215	-.215	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	0	0	0	%100
37	M35	X	.697	.697	0	%100
38	M35	Z	-.402	-.402	0	%100
39	M36	X	.697	.697	0	%100
40	M36	Z	-.402	-.402	0	%100
41	M37	X	1.39	1.39	0	%100
42	M37	Z	-.803	-.803	0	%100
43	M40	X	.193	.193	0	%100
44	M40	Z	-.111	-.111	0	%100
45	M41	X	.193	.193	0	%100
46	M41	Z	-.111	-.111	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	0	0	0	%100
49	M46A	X	.354	.354	0	%100
50	M46A	Z	-.204	-.204	0	%100
51	M48	X	.373	.373	0	%100
52	M48	Z	-.215	-.215	0	%100
53	M50A	X	0	0	0	%100
54	M50A	Z	0	0	0	%100
55	M51C	X	.354	.354	0	%100
56	M51C	Z	-.204	-.204	0	%100
57	M53	X	.373	.373	0	%100
58	M53	Z	-.215	-.215	0	%100
59	M58A	X	.618	.618	0	%100
60	M58A	Z	-.357	-.357	0	%100
61	M59A	X	.174	.174	0	%100
62	M59A	Z	-.101	-.101	0	%100
63	M60	X	.174	.174	0	%100
64	M60	Z	-.101	-.101	0	%100
65	M61	X	.348	.348	0	%100
66	M61	Z	-.201	-.201	0	%100
67	M64	X	.193	.193	0	%100
68	M64	Z	-.111	-.111	0	%100
69	M65	X	.772	.772	0	%100
70	M65	Z	-.446	-.446	0	%100
71	M69	X	1.043	1.043	0	%100
72	M69	Z	-.602	-.602	0	%100
73	M70	X	.354	.354	0	%100
74	M70	Z	-.204	-.204	0	%100
75	M72	X	.373	.373	0	%100
76	M72	Z	-.215	-.215	0	%100
77	M74	X	1.043	1.043	0	%100
78	M74	Z	-.602	-.602	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
79	M75	X	1.416	1.416	0	%100
80	M75	Z	-.818	-.818	0	%100
81	M77A	X	1.491	1.491	0	%100
82	M77A	Z	-.861	-.861	0	%100
83	M82	X	.775	.775	0	%100
84	M82	Z	-.448	-.448	0	%100
85	MP3C	X	.55	.55	0	%100
86	MP3C	Z	-.318	-.318	0	%100
87	MP4C	X	.55	.55	0	%100
88	MP4C	Z	-.318	-.318	0	%100
89	MP2C	X	.55	.55	0	%100
90	MP2C	Z	-.318	-.318	0	%100
91	MP1C	X	.666	.666	0	%100
92	MP1C	Z	-.385	-.385	0	%100
93	M91A	X	.194	.194	0	%100
94	M91A	Z	-.112	-.112	0	%100
95	MP3B	X	.55	.55	0	%100
96	MP3B	Z	-.318	-.318	0	%100
97	MP4B	X	.55	.55	0	%100
98	MP4B	Z	-.318	-.318	0	%100
99	MP2B	X	.55	.55	0	%100
100	MP2B	Z	-.318	-.318	0	%100
101	MP1B	X	.666	.666	0	%100
102	MP1B	Z	-.385	-.385	0	%100
103	R1	X	.502	.502	0	%100
104	R1	Z	-.29	-.29	0	%100
105	M102	X	.138	.138	0	%100
106	M102	Z	-.079	-.079	0	%100
107	M107	X	.55	.55	0	%100
108	M107	Z	-.318	-.318	0	%100
109	M112	X	.138	.138	0	%100
110	M112	Z	-.079	-.079	0	%100
111	M123	X	.669	.669	0	%100
112	M123	Z	-.386	-.386	0	%100
113	M124	X	.167	.167	0	%100
114	M124	Z	-.097	-.097	0	%100
115	M125	X	.167	.167	0	%100
116	M125	Z	-.097	-.097	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	.951	.951	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	.635	.635	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	.635	.635	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	.635	.635	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	.769	.769	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	.669	.669	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	.669	.669	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	1.605	1.605	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	1.226	1.226	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	1.292	1.292	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	1.605	1.605	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	1.226	1.226	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	1.292	1.292	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	.238	.238	0	%100
36	M34	Z	0	0	0	%100
37	M35	X	.604	.604	0	%100
38	M35	Z	0	0	0	%100
39	M36	X	.604	.604	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	1.204	1.204	0	%100
42	M37	Z	0	0	0	%100
43	M40	X	.669	.669	0	%100
44	M40	Z	0	0	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	0	0	0	%100
47	M45	X	.401	.401	0	%100
48	M45	Z	0	0	0	%100
49	M46A	X	1.226	1.226	0	%100
50	M46A	Z	0	0	0	%100
51	M48	X	1.292	1.292	0	%100
52	M48	Z	0	0	0	%100
53	M50A	X	.401	.401	0	%100
54	M50A	Z	0	0	0	%100
55	M51C	X	0	0	0	%100
56	M51C	Z	0	0	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	0	0	0	%100
59	M58A	X	.238	.238	0	%100
60	M58A	Z	0	0	0	%100
61	M59A	X	.604	.604	0	%100
62	M59A	Z	0	0	0	%100
63	M60	X	.604	.604	0	%100
64	M60	Z	0	0	0	%100
65	M61	X	1.204	1.204	0	%100
66	M61	Z	0	0	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	0	0	0	%100
69	M65	X	.669	.669	0	%100
70	M65	Z	0	0	0	%100
71	M69	X	.401	.401	0	%100
72	M69	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
73	M70	X	0	0	0	%100
74	M70	Z	0	0	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	0	0	0	%100
77	M74	X	.401	.401	0	%100
78	M74	Z	0	0	0	%100
79	M75	X	1.226	1.226	0	%100
80	M75	Z	0	0	0	%100
81	M77A	X	1.292	1.292	0	%100
82	M77A	Z	0	0	0	%100
83	M82	X	.672	.672	0	%100
84	M82	Z	0	0	0	%100
85	MP3C	X	.635	.635	0	%100
86	MP3C	Z	0	0	0	%100
87	MP4C	X	.635	.635	0	%100
88	MP4C	Z	0	0	0	%100
89	MP2C	X	.635	.635	0	%100
90	MP2C	Z	0	0	0	%100
91	MP1C	X	.769	.769	0	%100
92	MP1C	Z	0	0	0	%100
93	M91A	X	.672	.672	0	%100
94	M91A	Z	0	0	0	%100
95	MP3B	X	.635	.635	0	%100
96	MP3B	Z	0	0	0	%100
97	MP4B	X	.635	.635	0	%100
98	MP4B	Z	0	0	0	%100
99	MP2B	X	.635	.635	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	.769	.769	0	%100
102	MP1B	Z	0	0	0	%100
103	R1	X	.579	.579	0	%100
104	R1	Z	0	0	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	0	0	0	%100
107	M107	X	.477	.477	0	%100
108	M107	Z	0	0	0	%100
109	M112	X	.477	.477	0	%100
110	M112	Z	0	0	0	%100
111	M123	X	.579	.579	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	.579	.579	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	.194	.194	0	%100
2	M1	Z	.112	.112	0	%100
3	M4	X	.618	.618	0	%100
4	M4	Z	.357	.357	0	%100
5	M10	X	.174	.174	0	%100
6	M10	Z	.101	.101	0	%100
7	MP3A	X	.55	.55	0	%100
8	MP3A	Z	.318	.318	0	%100
9	MP4A	X	.55	.55	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
10	MP4A	Z	.318	.318	0	%100
11	MP2A	X	.55	.55	0	%100
12	MP2A	Z	.318	.318	0	%100
13	MP1A	X	.666	.666	0	%100
14	MP1A	Z	.385	.385	0	%100
15	M43	X	.174	.174	0	%100
16	M43	Z	.101	.101	0	%100
17	M46	X	.348	.348	0	%100
18	M46	Z	.201	.201	0	%100
19	M51B	X	.193	.193	0	%100
20	M51B	Z	.111	.111	0	%100
21	M52B	X	.772	.772	0	%100
22	M52B	Z	.446	.446	0	%100
23	M76	X	1.043	1.043	0	%100
24	M76	Z	.602	.602	0	%100
25	M77	X	.354	.354	0	%100
26	M77	Z	.204	.204	0	%100
27	M80	X	.373	.373	0	%100
28	M80	Z	.215	.215	0	%100
29	M84	X	1.043	1.043	0	%100
30	M84	Z	.602	.602	0	%100
31	M85	X	1.416	1.416	0	%100
32	M85	Z	.818	.818	0	%100
33	M91	X	1.491	1.491	0	%100
34	M91	Z	.861	.861	0	%100
35	M34	X	.618	.618	0	%100
36	M34	Z	.357	.357	0	%100
37	M35	X	.174	.174	0	%100
38	M35	Z	.101	.101	0	%100
39	M36	X	.174	.174	0	%100
40	M36	Z	.101	.101	0	%100
41	M37	X	.348	.348	0	%100
42	M37	Z	.201	.201	0	%100
43	M40	X	.772	.772	0	%100
44	M40	Z	.446	.446	0	%100
45	M41	X	.193	.193	0	%100
46	M41	Z	.111	.111	0	%100
47	M45	X	1.043	1.043	0	%100
48	M45	Z	.602	.602	0	%100
49	M46A	X	1.416	1.416	0	%100
50	M46A	Z	.818	.818	0	%100
51	M48	X	1.491	1.491	0	%100
52	M48	Z	.861	.861	0	%100
53	M50A	X	1.043	1.043	0	%100
54	M50A	Z	.602	.602	0	%100
55	M51C	X	.354	.354	0	%100
56	M51C	Z	.204	.204	0	%100
57	M53	X	.373	.373	0	%100
58	M53	Z	.215	.215	0	%100
59	M58A	X	0	0	0	%100
60	M58A	Z	0	0	0	%100
61	M59A	X	.697	.697	0	%100
62	M59A	Z	.402	.402	0	%100
63	M60	X	.697	.697	0	%100
64	M60	Z	.402	.402	0	%100
65	M61	X	1.39	1.39	0	%100
66	M61	Z	.803	.803	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
67	M64	X	.193	.193	0	%100
68	M64	Z	.111	.111	0	%100
69	M65	X	.193	.193	0	%100
70	M65	Z	.111	.111	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	0	0	0	%100
73	M70	X	.354	.354	0	%100
74	M70	Z	.204	.204	0	%100
75	M72	X	.373	.373	0	%100
76	M72	Z	.215	.215	0	%100
77	M74	X	0	0	0	%100
78	M74	Z	0	0	0	%100
79	M75	X	.354	.354	0	%100
80	M75	Z	.204	.204	0	%100
81	M77A	X	.373	.373	0	%100
82	M77A	Z	.215	.215	0	%100
83	M82	X	.194	.194	0	%100
84	M82	Z	.112	.112	0	%100
85	MP3C	X	.55	.55	0	%100
86	MP3C	Z	.318	.318	0	%100
87	MP4C	X	.55	.55	0	%100
88	MP4C	Z	.318	.318	0	%100
89	MP2C	X	.55	.55	0	%100
90	MP2C	Z	.318	.318	0	%100
91	MP1C	X	.666	.666	0	%100
92	MP1C	Z	.385	.385	0	%100
93	M91A	X	.775	.775	0	%100
94	M91A	Z	.448	.448	0	%100
95	MP3B	X	.55	.55	0	%100
96	MP3B	Z	.318	.318	0	%100
97	MP4B	X	.55	.55	0	%100
98	MP4B	Z	.318	.318	0	%100
99	MP2B	X	.55	.55	0	%100
100	MP2B	Z	.318	.318	0	%100
101	MP1B	X	.666	.666	0	%100
102	MP1B	Z	.385	.385	0	%100
103	R1	X	.502	.502	0	%100
104	R1	Z	.29	.29	0	%100
105	M102	X	.138	.138	0	%100
106	M102	Z	.079	.079	0	%100
107	M107	X	.138	.138	0	%100
108	M107	Z	.079	.079	0	%100
109	M112	X	.55	.55	0	%100
110	M112	Z	.318	.318	0	%100
111	M123	X	.167	.167	0	%100
112	M123	Z	.097	.097	0	%100
113	M124	X	.669	.669	0	%100
114	M124	Z	.386	.386	0	%100
115	M125	X	.167	.167	0	%100
116	M125	Z	.097	.097	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	.336	.336	0	%100
2	M1	Z	.582	.582	0	%100
3	M4	X	.119	.119	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
4	M4	Z	.206	.206	0	%100
5	M10	X	.302	.302	0	%100
6	M10	Z	.523	.523	0	%100
7	MP3A	X	.318	.318	0	%100
8	MP3A	Z	.55	.55	0	%100
9	MP4A	X	.318	.318	0	%100
10	MP4A	Z	.55	.55	0	%100
11	MP2A	X	.318	.318	0	%100
12	MP2A	Z	.55	.55	0	%100
13	MP1A	X	.385	.385	0	%100
14	MP1A	Z	.666	.666	0	%100
15	M43	X	.302	.302	0	%100
16	M43	Z	.523	.523	0	%100
17	M46	X	.602	.602	0	%100
18	M46	Z	1.043	1.043	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	.334	.334	0	%100
22	M52B	Z	.579	.579	0	%100
23	M76	X	.201	.201	0	%100
24	M76	Z	.348	.348	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	.201	.201	0	%100
30	M84	Z	.348	.348	0	%100
31	M85	X	.613	.613	0	%100
32	M85	Z	1.062	1.062	0	%100
33	M91	X	.646	.646	0	%100
34	M91	Z	1.119	1.119	0	%100
35	M34	X	.476	.476	0	%100
36	M34	Z	.824	.824	0	%100
37	M35	X	0	0	0	%100
38	M35	Z	0	0	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	0	0	0	%100
43	M40	X	.334	.334	0	%100
44	M40	Z	.579	.579	0	%100
45	M41	X	.334	.334	0	%100
46	M41	Z	.579	.579	0	%100
47	M45	X	.803	.803	0	%100
48	M45	Z	1.39	1.39	0	%100
49	M46A	X	.613	.613	0	%100
50	M46A	Z	1.062	1.062	0	%100
51	M48	X	.646	.646	0	%100
52	M48	Z	1.119	1.119	0	%100
53	M50A	X	.803	.803	0	%100
54	M50A	Z	1.39	1.39	0	%100
55	M51C	X	.613	.613	0	%100
56	M51C	Z	1.062	1.062	0	%100
57	M53	X	.646	.646	0	%100
58	M53	Z	1.119	1.119	0	%100
59	M58A	X	.119	.119	0	%100
60	M58A	Z	.206	.206	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
61	M59A	X	.302	.302	0	%100
62	M59A	Z	.523	.523	0	%100
63	M60	X	.302	.302	0	%100
64	M60	Z	.523	.523	0	%100
65	M61	X	.602	.602	0	%100
66	M61	Z	1.043	1.043	0	%100
67	M64	X	.334	.334	0	%100
68	M64	Z	.579	.579	0	%100
69	M65	X	0	0	0	%100
70	M65	Z	0	0	0	%100
71	M69	X	.201	.201	0	%100
72	M69	Z	.348	.348	0	%100
73	M70	X	.613	.613	0	%100
74	M70	Z	1.062	1.062	0	%100
75	M72	X	.646	.646	0	%100
76	M72	Z	1.119	1.119	0	%100
77	M74	X	.201	.201	0	%100
78	M74	Z	.348	.348	0	%100
79	M75	X	0	0	0	%100
80	M75	Z	0	0	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	0	0	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	0	0	0	%100
85	MP3C	X	.318	.318	0	%100
86	MP3C	Z	.55	.55	0	%100
87	MP4C	X	.318	.318	0	%100
88	MP4C	Z	.55	.55	0	%100
89	MP2C	X	.318	.318	0	%100
90	MP2C	Z	.55	.55	0	%100
91	MP1C	X	.385	.385	0	%100
92	MP1C	Z	.666	.666	0	%100
93	M91A	X	.336	.336	0	%100
94	M91A	Z	.582	.582	0	%100
95	MP3B	X	.318	.318	0	%100
96	MP3B	Z	.55	.55	0	%100
97	MP4B	X	.318	.318	0	%100
98	MP4B	Z	.55	.55	0	%100
99	MP2B	X	.318	.318	0	%100
100	MP2B	Z	.55	.55	0	%100
101	MP1B	X	.385	.385	0	%100
102	MP1B	Z	.666	.666	0	%100
103	R1	X	.29	.29	0	%100
104	R1	Z	.502	.502	0	%100
105	M102	X	.238	.238	0	%100
106	M102	Z	.413	.413	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	0	0	0	%100
109	M112	X	.238	.238	0	%100
110	M112	Z	.413	.413	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	.29	.29	0	%100
114	M124	Z	.502	.502	0	%100
115	M125	X	.29	.29	0	%100
116	M125	Z	.502	.502	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	0	0	0	%100
2	M1	Z	.895	.895	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	.805	.805	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	.635	.635	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	.635	.635	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	.635	.635	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	.769	.769	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	.805	.805	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	1.605	1.605	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	.223	.223	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	.223	.223	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	.409	.409	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	.431	.431	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	.409	.409	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	.431	.431	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	.713	.713	0	%100
37	M35	X	0	0	0	%100
38	M35	Z	.201	.201	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	.201	.201	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	.401	.401	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	.223	.223	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	.891	.891	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	1.204	1.204	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	.409	.409	0	%100
51	M48	X	0	0	0	%100
52	M48	Z	.431	.431	0	%100
53	M50A	X	0	0	0	%100
54	M50A	Z	1.204	1.204	0	%100
55	M51C	X	0	0	0	%100
56	M51C	Z	1.635	1.635	0	%100
57	M53	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
58	M53	Z	1.722	1.722	0	%100
59	M58A	X	0	0	0	%100
60	M58A	Z	.713	.713	0	%100
61	M59A	X	0	0	0	%100
62	M59A	Z	.201	.201	0	%100
63	M60	X	0	0	0	%100
64	M60	Z	.201	.201	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	.401	.401	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	.891	.891	0	%100
69	M65	X	0	0	0	%100
70	M65	Z	.223	.223	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	1.204	1.204	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	1.635	1.635	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	1.722	1.722	0	%100
77	M74	X	0	0	0	%100
78	M74	Z	1.204	1.204	0	%100
79	M75	X	0	0	0	%100
80	M75	Z	.409	.409	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	.431	.431	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	.224	.224	0	%100
85	MP3C	X	0	0	0	%100
86	MP3C	Z	.635	.635	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	.635	.635	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	.635	.635	0	%100
91	MP1C	X	0	0	0	%100
92	MP1C	Z	.769	.769	0	%100
93	M91A	X	0	0	0	%100
94	M91A	Z	.224	.224	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	.635	.635	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	.635	.635	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	.635	.635	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	.769	.769	0	%100
103	R1	X	0	0	0	%100
104	R1	Z	.579	.579	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	.635	.635	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	.159	.159	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	.159	.159	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	.193	.193	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	.193	.193	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
115	M125	X	0	0	0	%100
116	M125	Z	.773	.773	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	-.336	-.336	0	%100
2	M1	Z	.582	.582	0	%100
3	M4	X	-.119	-.119	0	%100
4	M4	Z	.206	.206	0	%100
5	M10	X	-.302	-.302	0	%100
6	M10	Z	.523	.523	0	%100
7	MP3A	X	-.318	-.318	0	%100
8	MP3A	Z	.55	.55	0	%100
9	MP4A	X	-.318	-.318	0	%100
10	MP4A	Z	.55	.55	0	%100
11	MP2A	X	-.318	-.318	0	%100
12	MP2A	Z	.55	.55	0	%100
13	MP1A	X	-.385	-.385	0	%100
14	MP1A	Z	.666	.666	0	%100
15	M43	X	-.302	-.302	0	%100
16	M43	Z	.523	.523	0	%100
17	M46	X	-.602	-.602	0	%100
18	M46	Z	1.043	1.043	0	%100
19	M51B	X	-.334	-.334	0	%100
20	M51B	Z	.579	.579	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-.201	-.201	0	%100
24	M76	Z	.348	.348	0	%100
25	M77	X	-.613	-.613	0	%100
26	M77	Z	1.062	1.062	0	%100
27	M80	X	-.646	-.646	0	%100
28	M80	Z	1.119	1.119	0	%100
29	M84	X	-.201	-.201	0	%100
30	M84	Z	.348	.348	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	-.119	-.119	0	%100
36	M34	Z	.206	.206	0	%100
37	M35	X	-.302	-.302	0	%100
38	M35	Z	.523	.523	0	%100
39	M36	X	-.302	-.302	0	%100
40	M36	Z	.523	.523	0	%100
41	M37	X	-.602	-.602	0	%100
42	M37	Z	1.043	1.043	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	0	0	0	%100
45	M41	X	-.334	-.334	0	%100
46	M41	Z	.579	.579	0	%100
47	M45	X	-.201	-.201	0	%100
48	M45	Z	.348	.348	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	0	0	0	%100
51	M48	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
52	M48	Z	0	0	0	%100
53	M50A	X	-.201	-.201	0	%100
54	M50A	Z	.348	.348	0	%100
55	M51C	X	-.613	-.613	0	%100
56	M51C	Z	1.062	1.062	0	%100
57	M53	X	-.646	-.646	0	%100
58	M53	Z	1.119	1.119	0	%100
59	M58A	X	-.476	-.476	0	%100
60	M58A	Z	.824	.824	0	%100
61	M59A	X	0	0	0	%100
62	M59A	Z	0	0	0	%100
63	M60	X	0	0	0	%100
64	M60	Z	0	0	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	0	0	0	%100
67	M64	X	-.334	-.334	0	%100
68	M64	Z	.579	.579	0	%100
69	M65	X	-.334	-.334	0	%100
70	M65	Z	.579	.579	0	%100
71	M69	X	-.803	-.803	0	%100
72	M69	Z	1.39	1.39	0	%100
73	M70	X	-.613	-.613	0	%100
74	M70	Z	1.062	1.062	0	%100
75	M72	X	-.646	-.646	0	%100
76	M72	Z	1.119	1.119	0	%100
77	M74	X	-.803	-.803	0	%100
78	M74	Z	1.39	1.39	0	%100
79	M75	X	-.613	-.613	0	%100
80	M75	Z	1.062	1.062	0	%100
81	M77A	X	-.646	-.646	0	%100
82	M77A	Z	1.119	1.119	0	%100
83	M82	X	-.336	-.336	0	%100
84	M82	Z	.582	.582	0	%100
85	MP3C	X	-.318	-.318	0	%100
86	MP3C	Z	.55	.55	0	%100
87	MP4C	X	-.318	-.318	0	%100
88	MP4C	Z	.55	.55	0	%100
89	MP2C	X	-.318	-.318	0	%100
90	MP2C	Z	.55	.55	0	%100
91	MP1C	X	-.385	-.385	0	%100
92	MP1C	Z	.666	.666	0	%100
93	M91A	X	0	0	0	%100
94	M91A	Z	0	0	0	%100
95	MP3B	X	-.318	-.318	0	%100
96	MP3B	Z	.55	.55	0	%100
97	MP4B	X	-.318	-.318	0	%100
98	MP4B	Z	.55	.55	0	%100
99	MP2B	X	-.318	-.318	0	%100
100	MP2B	Z	.55	.55	0	%100
101	MP1B	X	-.385	-.385	0	%100
102	MP1B	Z	.666	.666	0	%100
103	R1	X	-.29	-.29	0	%100
104	R1	Z	.502	.502	0	%100
105	M102	X	-.238	-.238	0	%100
106	M102	Z	.413	.413	0	%100
107	M107	X	-.238	-.238	0	%100
108	M107	Z	.413	.413	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
109	M112	X	0	0	0	%100
110	M112	Z	0	0	0	%100
111	M123	X	-.29	-.29	0	%100
112	M123	Z	.502	.502	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	-.29	-.29	0	%100
116	M125	Z	.502	.502	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	-.194	-.194	0	%100
2	M1	Z	.112	.112	0	%100
3	M4	X	-.618	-.618	0	%100
4	M4	Z	.357	.357	0	%100
5	M10	X	-.174	-.174	0	%100
6	M10	Z	.101	.101	0	%100
7	MP3A	X	-.55	-.55	0	%100
8	MP3A	Z	.318	.318	0	%100
9	MP4A	X	-.55	-.55	0	%100
10	MP4A	Z	.318	.318	0	%100
11	MP2A	X	-.55	-.55	0	%100
12	MP2A	Z	.318	.318	0	%100
13	MP1A	X	-.666	-.666	0	%100
14	MP1A	Z	.385	.385	0	%100
15	M43	X	-.174	-.174	0	%100
16	M43	Z	.101	.101	0	%100
17	M46	X	-.348	-.348	0	%100
18	M46	Z	.201	.201	0	%100
19	M51B	X	-.772	-.772	0	%100
20	M51B	Z	.446	.446	0	%100
21	M52B	X	-.193	-.193	0	%100
22	M52B	Z	.111	.111	0	%100
23	M76	X	-1.043	-1.043	0	%100
24	M76	Z	.602	.602	0	%100
25	M77	X	-1.416	-1.416	0	%100
26	M77	Z	.818	.818	0	%100
27	M80	X	-1.491	-1.491	0	%100
28	M80	Z	.861	.861	0	%100
29	M84	X	-1.043	-1.043	0	%100
30	M84	Z	.602	.602	0	%100
31	M85	X	-.354	-.354	0	%100
32	M85	Z	.204	.204	0	%100
33	M91	X	-.373	-.373	0	%100
34	M91	Z	.215	.215	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	0	0	0	%100
37	M35	X	-.697	-.697	0	%100
38	M35	Z	.402	.402	0	%100
39	M36	X	-.697	-.697	0	%100
40	M36	Z	.402	.402	0	%100
41	M37	X	-1.39	-1.39	0	%100
42	M37	Z	.803	.803	0	%100
43	M40	X	-.193	-.193	0	%100
44	M40	Z	.111	.111	0	%100
45	M41	X	-.193	-.193	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
46	M41	Z	.111	.111	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	0	0	0	%100
49	M46A	X	-.354	-.354	0	%100
50	M46A	Z	.204	.204	0	%100
51	M48	X	-.373	-.373	0	%100
52	M48	Z	.215	.215	0	%100
53	M50A	X	0	0	0	%100
54	M50A	Z	0	0	0	%100
55	M51C	X	-.354	-.354	0	%100
56	M51C	Z	.204	.204	0	%100
57	M53	X	-.373	-.373	0	%100
58	M53	Z	.215	.215	0	%100
59	M58A	X	-.618	-.618	0	%100
60	M58A	Z	.357	.357	0	%100
61	M59A	X	-.174	-.174	0	%100
62	M59A	Z	.101	.101	0	%100
63	M60	X	-.174	-.174	0	%100
64	M60	Z	.101	.101	0	%100
65	M61	X	-.348	-.348	0	%100
66	M61	Z	.201	.201	0	%100
67	M64	X	-.193	-.193	0	%100
68	M64	Z	.111	.111	0	%100
69	M65	X	-.772	-.772	0	%100
70	M65	Z	.446	.446	0	%100
71	M69	X	-1.043	-1.043	0	%100
72	M69	Z	.602	.602	0	%100
73	M70	X	-.354	-.354	0	%100
74	M70	Z	.204	.204	0	%100
75	M72	X	-.373	-.373	0	%100
76	M72	Z	.215	.215	0	%100
77	M74	X	-1.043	-1.043	0	%100
78	M74	Z	.602	.602	0	%100
79	M75	X	-1.416	-1.416	0	%100
80	M75	Z	.818	.818	0	%100
81	M77A	X	-1.491	-1.491	0	%100
82	M77A	Z	.861	.861	0	%100
83	M82	X	-.775	-.775	0	%100
84	M82	Z	.448	.448	0	%100
85	MP3C	X	-.55	-.55	0	%100
86	MP3C	Z	.318	.318	0	%100
87	MP4C	X	-.55	-.55	0	%100
88	MP4C	Z	.318	.318	0	%100
89	MP2C	X	-.55	-.55	0	%100
90	MP2C	Z	.318	.318	0	%100
91	MP1C	X	-.666	-.666	0	%100
92	MP1C	Z	.385	.385	0	%100
93	M91A	X	-.194	-.194	0	%100
94	M91A	Z	.112	.112	0	%100
95	MP3B	X	-.55	-.55	0	%100
96	MP3B	Z	.318	.318	0	%100
97	MP4B	X	-.55	-.55	0	%100
98	MP4B	Z	.318	.318	0	%100
99	MP2B	X	-.55	-.55	0	%100
100	MP2B	Z	.318	.318	0	%100
101	MP1B	X	-.666	-.666	0	%100
102	MP1B	Z	.385	.385	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
103	R1	X	-.502	-.502	0	%100
104	R1	Z	.29	.29	0	%100
105	M102	X	-.138	-.138	0	%100
106	M102	Z	.079	.079	0	%100
107	M107	X	-.55	-.55	0	%100
108	M107	Z	.318	.318	0	%100
109	M112	X	-.138	-.138	0	%100
110	M112	Z	.079	.079	0	%100
111	M123	X	-.669	-.669	0	%100
112	M123	Z	.386	.386	0	%100
113	M124	X	-.167	-.167	0	%100
114	M124	Z	.097	.097	0	%100
115	M125	X	-.167	-.167	0	%100
116	M125	Z	.097	.097	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-.951	-.951	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	-.635	-.635	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-.635	-.635	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-.635	-.635	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-.769	-.769	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	-.669	-.669	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-.669	-.669	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-1.605	-1.605	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-1.226	-1.226	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-1.292	-1.292	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-1.605	-1.605	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-1.226	-1.226	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	-1.292	-1.292	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	-.238	-.238	0	%100
36	M34	Z	0	0	0	%100
37	M35	X	-.604	-.604	0	%100
38	M35	Z	0	0	0	%100
39	M36	X	-.604	-.604	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
40	M36	Z	0	0	0	%100
41	M37	X	-1.204	-1.204	0	%100
42	M37	Z	0	0	0	%100
43	M40	X	-.669	-.669	0	%100
44	M40	Z	0	0	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	0	0	0	%100
47	M45	X	-.401	-.401	0	%100
48	M45	Z	0	0	0	%100
49	M46A	X	-1.226	-1.226	0	%100
50	M46A	Z	0	0	0	%100
51	M48	X	-1.292	-1.292	0	%100
52	M48	Z	0	0	0	%100
53	M50A	X	-.401	-.401	0	%100
54	M50A	Z	0	0	0	%100
55	M51C	X	0	0	0	%100
56	M51C	Z	0	0	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	0	0	0	%100
59	M58A	X	-.238	-.238	0	%100
60	M58A	Z	0	0	0	%100
61	M59A	X	-.604	-.604	0	%100
62	M59A	Z	0	0	0	%100
63	M60	X	-.604	-.604	0	%100
64	M60	Z	0	0	0	%100
65	M61	X	-1.204	-1.204	0	%100
66	M61	Z	0	0	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	0	0	0	%100
69	M65	X	-.669	-.669	0	%100
70	M65	Z	0	0	0	%100
71	M69	X	-.401	-.401	0	%100
72	M69	Z	0	0	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	0	0	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	0	0	0	%100
77	M74	X	-.401	-.401	0	%100
78	M74	Z	0	0	0	%100
79	M75	X	-1.226	-1.226	0	%100
80	M75	Z	0	0	0	%100
81	M77A	X	-1.292	-1.292	0	%100
82	M77A	Z	0	0	0	%100
83	M82	X	-.672	-.672	0	%100
84	M82	Z	0	0	0	%100
85	MP3C	X	-.635	-.635	0	%100
86	MP3C	Z	0	0	0	%100
87	MP4C	X	-.635	-.635	0	%100
88	MP4C	Z	0	0	0	%100
89	MP2C	X	-.635	-.635	0	%100
90	MP2C	Z	0	0	0	%100
91	MP1C	X	-.769	-.769	0	%100
92	MP1C	Z	0	0	0	%100
93	M91A	X	-.672	-.672	0	%100
94	M91A	Z	0	0	0	%100
95	MP3B	X	-.635	-.635	0	%100
96	MP3B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
97	MP4B	X	-.635	-.635	0	%100
98	MP4B	Z	0	0	0	%100
99	MP2B	X	-.635	-.635	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	-.769	-.769	0	%100
102	MP1B	Z	0	0	0	%100
103	R1	X	-.579	-.579	0	%100
104	R1	Z	0	0	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	0	0	0	%100
107	M107	X	-.477	-.477	0	%100
108	M107	Z	0	0	0	%100
109	M112	X	-.477	-.477	0	%100
110	M112	Z	0	0	0	%100
111	M123	X	-.579	-.579	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	-.579	-.579	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	-.194	-.194	0	%100
2	M1	Z	-.112	-.112	0	%100
3	M4	X	-.618	-.618	0	%100
4	M4	Z	-.357	-.357	0	%100
5	M10	X	-.174	-.174	0	%100
6	M10	Z	-.101	-.101	0	%100
7	MP3A	X	-.55	-.55	0	%100
8	MP3A	Z	-.318	-.318	0	%100
9	MP4A	X	-.55	-.55	0	%100
10	MP4A	Z	-.318	-.318	0	%100
11	MP2A	X	-.55	-.55	0	%100
12	MP2A	Z	-.318	-.318	0	%100
13	MP1A	X	-.666	-.666	0	%100
14	MP1A	Z	-.385	-.385	0	%100
15	M43	X	-.174	-.174	0	%100
16	M43	Z	-.101	-.101	0	%100
17	M46	X	-.348	-.348	0	%100
18	M46	Z	-.201	-.201	0	%100
19	M51B	X	-.193	-.193	0	%100
20	M51B	Z	-.111	-.111	0	%100
21	M52B	X	-.772	-.772	0	%100
22	M52B	Z	-.446	-.446	0	%100
23	M76	X	-1.043	-1.043	0	%100
24	M76	Z	-.602	-.602	0	%100
25	M77	X	-.354	-.354	0	%100
26	M77	Z	-.204	-.204	0	%100
27	M80	X	-.373	-.373	0	%100
28	M80	Z	-.215	-.215	0	%100
29	M84	X	-1.043	-1.043	0	%100
30	M84	Z	-.602	-.602	0	%100
31	M85	X	-1.416	-1.416	0	%100
32	M85	Z	-.818	-.818	0	%100
33	M91	X	-1.491	-1.491	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
34	M91	Z	-.861	-.861	0	%100
35	M34	X	-.618	-.618	0	%100
36	M34	Z	-.357	-.357	0	%100
37	M35	X	-.174	-.174	0	%100
38	M35	Z	-.101	-.101	0	%100
39	M36	X	-.174	-.174	0	%100
40	M36	Z	-.101	-.101	0	%100
41	M37	X	-.348	-.348	0	%100
42	M37	Z	-.201	-.201	0	%100
43	M40	X	-.772	-.772	0	%100
44	M40	Z	-.446	-.446	0	%100
45	M41	X	-.193	-.193	0	%100
46	M41	Z	-.111	-.111	0	%100
47	M45	X	-1.043	-1.043	0	%100
48	M45	Z	-.602	-.602	0	%100
49	M46A	X	-1.416	-1.416	0	%100
50	M46A	Z	-.818	-.818	0	%100
51	M48	X	-1.491	-1.491	0	%100
52	M48	Z	-.861	-.861	0	%100
53	M50A	X	-1.043	-1.043	0	%100
54	M50A	Z	-.602	-.602	0	%100
55	M51C	X	-.354	-.354	0	%100
56	M51C	Z	-.204	-.204	0	%100
57	M53	X	-.373	-.373	0	%100
58	M53	Z	-.215	-.215	0	%100
59	M58A	X	0	0	0	%100
60	M58A	Z	0	0	0	%100
61	M59A	X	-.697	-.697	0	%100
62	M59A	Z	-.402	-.402	0	%100
63	M60	X	-.697	-.697	0	%100
64	M60	Z	-.402	-.402	0	%100
65	M61	X	-1.39	-1.39	0	%100
66	M61	Z	-.803	-.803	0	%100
67	M64	X	-.193	-.193	0	%100
68	M64	Z	-.111	-.111	0	%100
69	M65	X	-.193	-.193	0	%100
70	M65	Z	-.111	-.111	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	0	0	0	%100
73	M70	X	-.354	-.354	0	%100
74	M70	Z	-.204	-.204	0	%100
75	M72	X	-.373	-.373	0	%100
76	M72	Z	-.215	-.215	0	%100
77	M74	X	0	0	0	%100
78	M74	Z	0	0	0	%100
79	M75	X	-.354	-.354	0	%100
80	M75	Z	-.204	-.204	0	%100
81	M77A	X	-.373	-.373	0	%100
82	M77A	Z	-.215	-.215	0	%100
83	M82	X	-.194	-.194	0	%100
84	M82	Z	-.112	-.112	0	%100
85	MP3C	X	-.55	-.55	0	%100
86	MP3C	Z	-.318	-.318	0	%100
87	MP4C	X	-.55	-.55	0	%100
88	MP4C	Z	-.318	-.318	0	%100
89	MP2C	X	-.55	-.55	0	%100
90	MP2C	Z	-.318	-.318	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
91	MP1C	X	-.666	-.666	0	%100
92	MP1C	Z	-.385	-.385	0	%100
93	M91A	X	-.775	-.775	0	%100
94	M91A	Z	-.448	-.448	0	%100
95	MP3B	X	-.55	-.55	0	%100
96	MP3B	Z	-.318	-.318	0	%100
97	MP4B	X	-.55	-.55	0	%100
98	MP4B	Z	-.318	-.318	0	%100
99	MP2B	X	-.55	-.55	0	%100
100	MP2B	Z	-.318	-.318	0	%100
101	MP1B	X	-.666	-.666	0	%100
102	MP1B	Z	-.385	-.385	0	%100
103	R1	X	-.502	-.502	0	%100
104	R1	Z	-.29	-.29	0	%100
105	M102	X	-.138	-.138	0	%100
106	M102	Z	-.079	-.079	0	%100
107	M107	X	-.138	-.138	0	%100
108	M107	Z	-.079	-.079	0	%100
109	M112	X	-.55	-.55	0	%100
110	M112	Z	-.318	-.318	0	%100
111	M123	X	-.167	-.167	0	%100
112	M123	Z	-.097	-.097	0	%100
113	M124	X	-.669	-.669	0	%100
114	M124	Z	-.386	-.386	0	%100
115	M125	X	-.167	-.167	0	%100
116	M125	Z	-.097	-.097	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M1	X	-.336	-.336	0	%100
2	M1	Z	-.582	-.582	0	%100
3	M4	X	-.119	-.119	0	%100
4	M4	Z	-.206	-.206	0	%100
5	M10	X	-.302	-.302	0	%100
6	M10	Z	-.523	-.523	0	%100
7	MP3A	X	-.318	-.318	0	%100
8	MP3A	Z	-.55	-.55	0	%100
9	MP4A	X	-.318	-.318	0	%100
10	MP4A	Z	-.55	-.55	0	%100
11	MP2A	X	-.318	-.318	0	%100
12	MP2A	Z	-.55	-.55	0	%100
13	MP1A	X	-.385	-.385	0	%100
14	MP1A	Z	-.666	-.666	0	%100
15	M43	X	-.302	-.302	0	%100
16	M43	Z	-.523	-.523	0	%100
17	M46	X	-.602	-.602	0	%100
18	M46	Z	-1.043	-1.043	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-.334	-.334	0	%100
22	M52B	Z	-.579	-.579	0	%100
23	M76	X	-.201	-.201	0	%100
24	M76	Z	-.348	-.348	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
28	M80	Z	0	0	0	%100
29	M84	X	-.201	-.201	0	%100
30	M84	Z	-.348	-.348	0	%100
31	M85	X	-.613	-.613	0	%100
32	M85	Z	-1.062	-1.062	0	%100
33	M91	X	-.646	-.646	0	%100
34	M91	Z	-1.119	-1.119	0	%100
35	M34	X	-.476	-.476	0	%100
36	M34	Z	-.824	-.824	0	%100
37	M35	X	0	0	0	%100
38	M35	Z	0	0	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	0	0	0	%100
43	M40	X	-.334	-.334	0	%100
44	M40	Z	-.579	-.579	0	%100
45	M41	X	-.334	-.334	0	%100
46	M41	Z	-.579	-.579	0	%100
47	M45	X	-.803	-.803	0	%100
48	M45	Z	-1.39	-1.39	0	%100
49	M46A	X	-.613	-.613	0	%100
50	M46A	Z	-1.062	-1.062	0	%100
51	M48	X	-.646	-.646	0	%100
52	M48	Z	-1.119	-1.119	0	%100
53	M50A	X	-.803	-.803	0	%100
54	M50A	Z	-1.39	-1.39	0	%100
55	M51C	X	-.613	-.613	0	%100
56	M51C	Z	-1.062	-1.062	0	%100
57	M53	X	-.646	-.646	0	%100
58	M53	Z	-1.119	-1.119	0	%100
59	M58A	X	-.119	-.119	0	%100
60	M58A	Z	-.206	-.206	0	%100
61	M59A	X	-.302	-.302	0	%100
62	M59A	Z	-.523	-.523	0	%100
63	M60	X	-.302	-.302	0	%100
64	M60	Z	-.523	-.523	0	%100
65	M61	X	-.602	-.602	0	%100
66	M61	Z	-1.043	-1.043	0	%100
67	M64	X	-.334	-.334	0	%100
68	M64	Z	-.579	-.579	0	%100
69	M65	X	0	0	0	%100
70	M65	Z	0	0	0	%100
71	M69	X	-.201	-.201	0	%100
72	M69	Z	-.348	-.348	0	%100
73	M70	X	-.613	-.613	0	%100
74	M70	Z	-1.062	-1.062	0	%100
75	M72	X	-.646	-.646	0	%100
76	M72	Z	-1.119	-1.119	0	%100
77	M74	X	-.201	-.201	0	%100
78	M74	Z	-.348	-.348	0	%100
79	M75	X	0	0	0	%100
80	M75	Z	0	0	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	0	0	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
85	MP3C	X	-.318	-.318	0	%100
86	MP3C	Z	-.55	-.55	0	%100
87	MP4C	X	-.318	-.318	0	%100
88	MP4C	Z	-.55	-.55	0	%100
89	MP2C	X	-.318	-.318	0	%100
90	MP2C	Z	-.55	-.55	0	%100
91	MP1C	X	-.385	-.385	0	%100
92	MP1C	Z	-.666	-.666	0	%100
93	M91A	X	-.336	-.336	0	%100
94	M91A	Z	-.582	-.582	0	%100
95	MP3B	X	-.318	-.318	0	%100
96	MP3B	Z	-.55	-.55	0	%100
97	MP4B	X	-.318	-.318	0	%100
98	MP4B	Z	-.55	-.55	0	%100
99	MP2B	X	-.318	-.318	0	%100
100	MP2B	Z	-.55	-.55	0	%100
101	MP1B	X	-.385	-.385	0	%100
102	MP1B	Z	-.666	-.666	0	%100
103	R1	X	-.29	-.29	0	%100
104	R1	Z	-.502	-.502	0	%100
105	M102	X	-.238	-.238	0	%100
106	M102	Z	-.413	-.413	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	0	0	0	%100
109	M112	X	-.238	-.238	0	%100
110	M112	Z	-.413	-.413	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	-.29	-.29	0	%100
114	M124	Z	-.502	-.502	0	%100
115	M125	X	-.29	-.29	0	%100
116	M125	Z	-.502	-.502	0	%100

Member Distributed Loads (BLC 81 : BLC 39 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M40	Y	-1.665	-4.226	0	.832
2	M40	Y	-4.226	-6.901	.832	1.665
3	M40	Y	-6.901	-8.189	1.665	2.497
4	M40	Y	-8.189	-6.544	2.497	3.329
5	M40	Y	-6.544	-3.463	3.329	4.162
6	M41	Y	-3.469	-6.578	0	.832
7	M41	Y	-6.578	-8.256	.832	1.665
8	M41	Y	-8.256	-7.041	1.665	2.497
9	M41	Y	-7.041	-4.429	2.497	3.329
10	M41	Y	-4.429	-1.881	3.329	4.162
11	M51B	Y	-1.661	-4.228	0	.832
12	M51B	Y	-4.228	-6.902	.832	1.665
13	M51B	Y	-6.902	-8.189	1.665	2.497
14	M51B	Y	-8.189	-6.545	2.497	3.329
15	M51B	Y	-6.545	-3.463	3.329	4.162
16	M52B	Y	-3.462	-6.573	0	.832
17	M52B	Y	-6.573	-8.26	.832	1.665
18	M52B	Y	-8.26	-7.044	1.665	2.497
19	M52B	Y	-7.044	-4.426	2.497	3.329
20	M52B	Y	-4.426	-1.884	3.329	4.162
21	M64	Y	-1.879	-4.428	0	.832

Member Distributed Loads (BLC 81 : BLC 39 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
22	M64	Y	-4.428	-7.042	.832	1.665
23	M64	Y	-7.042	-8.256	1.665	2.497
24	M64	Y	-8.256	-6.578	2.497	3.329
25	M64	Y	-6.578	-3.47	3.329	4.162
26	M65	Y	-3.463	-6.545	0	.832
27	M65	Y	-6.545	-8.189	.832	1.665
28	M65	Y	-8.189	-6.9	1.665	2.497
29	M65	Y	-6.9	-4.227	2.497	3.329
30	M65	Y	-4.227	-1.665	3.329	4.162

Member Distributed Loads (BLC 82 : BLC 40 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft...	End Location[ft,...
1	M40	Y	-3.523	-8.94	0	.832
2	M40	Y	-8.94	-14.598	.832	1.665
3	M40	Y	-14.598	-17.324	1.665	2.497
4	M40	Y	-17.324	-13.842	2.497	3.329
5	M40	Y	-13.842	-7.325	3.329	4.162
6	M41	Y	-7.339	-13.914	0	.832
7	M41	Y	-13.914	-17.464	.832	1.665
8	M41	Y	-17.464	-14.895	1.665	2.497
9	M41	Y	-14.895	-9.37	2.497	3.329
10	M41	Y	-9.37	-3.979	3.329	4.162
11	M64	Y	-3.976	-9.367	0	.832
12	M64	Y	-9.367	-14.896	.832	1.665
13	M64	Y	-14.896	-17.465	1.665	2.497
14	M64	Y	-17.465	-13.915	2.497	3.329
15	M64	Y	-13.915	-7.34	3.329	4.162
16	M65	Y	-7.325	-13.844	0	.832
17	M65	Y	-13.844	-17.322	.832	1.665
18	M65	Y	-17.322	-14.596	1.665	2.497
19	M65	Y	-14.596	-8.941	2.497	3.329
20	M65	Y	-8.941	-3.523	3.329	4.162
21	M51B	Y	-3.986	-9.363	0	.832
22	M51B	Y	-9.363	-14.902	.832	1.665
23	M51B	Y	-14.902	-17.474	1.665	2.497
24	M51B	Y	-17.474	-13.905	2.497	3.329
25	M51B	Y	-13.905	-7.323	3.329	4.162
26	M52B	Y	-7.326	-13.844	0	.832
27	M52B	Y	-13.844	-17.322	.832	1.665
28	M52B	Y	-17.322	-14.6	1.665	2.497
29	M52B	Y	-14.6	-8.944	2.497	3.329
30	M52B	Y	-8.944	-3.514	3.329	4.162

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N72	N74	N51	N50	Y	Two Way	-.005
2	N6	N7	N87B	N87C	Y	Two Way	-.005
3	N78	N79	N102A	N100	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N72	N74	N51	N50	Y	Two Way	-.011
2	N78	N79	N102A	N100	Y	Two Way	-.011
3	N7	N6	N87C	N87B	Y	Two Way	-.011

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N3	max	640.35	10	2845.105	1	3268.226	1	9.077	1	1.631	4	.8	4
2		min	-640.017	4	-784.498	7	-3411.59	7	-4.849	7	-1.618	10	-.696	10
3	N48	max	2868.957	9	2916.608	9	1741.697	3	2.681	3	1.383	12	4.366	3
4		min	-2992.835	3	-960.032	3	-1670.452	9	-4.659	9	-1.371	6	-7.994	9
5	N76	max	2880.6	11	2833.66	5	1673.89	11	2.273	11	1.466	8	7.765	5
6		min	-2756.279	5	-877.828	11	-1603.311	5	-4.423	5	-1.452	2	-4.235	11
7	Totals:	max	5680.268	10	6398.581	19	5443.75	1						
8		min	-5680.271	4	2960.505	1	-5443.744	7						

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

	Memb...	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[...	Dir	LC	phi*P...	phi*Pnt [...	phi*Mn ...	phi*Mn z-...	Cb	Eqn
1	M125	L2.5x2.5x4	.916	0	10	.141	0	z	10	36189..	38556	1.114	2.537	2.1...	H2..
2	MP3B	PIPE_2.0	.910	6.271	9	.128	6.271		7	17855..	32130	1.872	1.872	2.2...	H1..
3	M124	L2.5x2.5x4	.898	0	2	.140	0	z	2	36189..	38556	1.114	2.537	2.1...	H2..
4	MP3A	PIPE_2.0	.875	6.271	4	.137	6.271		3	17855..	32130	1.872	1.872	2.1...	H1..
5	M123	L2.5x2.5x4	.874	0	5	.133	0	z	6	36189..	38556	1.114	2.537	2.1...	H2..
6	MP3C	PIPE_2.0	.870	6.271	1	.134	6.271		11	17855..	32130	1.872	1.872	2.0...	H1..
7	MP2A	PIPE_2.0	.858	6.271	10	.125	3.937		5	17855..	32130	1.872	1.872	2.1...	H1..
8	MP2B	PIPE_2.0	.852	6.271	2	.133	3.937		9	17855..	32130	1.872	1.872	2.1...	H1..
9	MP2C	PIPE_2.0	.815	6.271	6	.128	3.937		1	17855..	32130	1.872	1.872	2.1...	H1..
10	M102	PIPE_2.0	.635	.521	9	.138	1.432		6	6295....	32130	1.872	1.872	4.0...	H1..
11	M107	PIPE_2.0	.613	.521	5	.143	1.432		2	6295....	32130	1.872	1.872	4.0...	H1..
12	M112	PIPE_2.0	.606	.521	1	.149	1.432		10	6295....	32130	1.872	1.872	4.0...	H1..
13	M34	HSS4X4X4	.601	0	9	.091	0	y	8	12465..	139518	16.181	16.181	2.0...	H1..
14	M4	HSS4X4X4	.591	0	1	.099	0	y	3	12465..	139518	16.181	16.181	2.0...	H1..
15	M58A	HSS4X4X4	.575	0	5	.095	5.133	y	3	12465..	139518	16.181	16.181	2.03	H1..
16	MP4B	PIPE_2.0	.561	6.271	9	.163	5.687		10	17855..	32130	1.872	1.872	2.4...	H1..
17	MP4A	PIPE_2.0	.541	6.271	5	.155	5.687		5	17855..	32130	1.872	1.872	2.1...	H1..
18	MP4C	PIPE_2.0	.540	6.271	1	.160	5.687		2	17855..	32130	1.872	1.872	2.0...	H1..
19	M46A	PL3/8x6	.395	.167	3	.325	0	y	10	71601..	72900	.57	9.113	1.0...	H1..
20	M51C	PL3/8x6	.389	.167	3	.335	0	y	8	71601..	72900	.57	9.113	1.0...	H1..
21	MP1A	PIPE_2.5	.378	6.271	9	.103	6.271		11	33961..	50715	3.596	3.596	2.3...	H1..
22	M75	PL3/8x6	.377	.167	11	.341	0	y	4	71601..	72900	.57	9.113	1.0...	H1..
23	M70	PL3/8x6	.376	.167	11	.311	0	y	6	71601..	72900	.57	9.113	1.04	H1..
24	M77	PL3/8x6	.371	.167	7	.316	0	y	2	71601..	72900	.57	9.113	1.0...	H1..
25	M85	PL3/8x6	.369	.167	7	.324	0	y	24	71601..	72900	.57	9.113	1.04	H1..
26	MP1C	PIPE_2.5	.362	6.271	5	.105	6.271		7	33961..	50715	3.596	3.596	1.7...	H1..
27	MP1B	PIPE_2.5	.361	6.271	1	.098	6.271		3	33961..	50715	3.596	3.596	1.97	H1..
28	M50A	PL3/8x6	.333	0	9	.300	0	y	5	70677..	72900	.57	9.113	1.18	H1..
29	M74	PL3/8x6	.329	0	4	.307	0	y	1	70677..	72900	.57	9.113	1.22	H1..
30	M45	PL3/8x6	.329	0	4	.284	0	y	1	70677..	72900	.57	9.113	1.1...	H1..
31	M84	PL3/8x6	.316	0	1	.303	0	y	9	70677..	72900	.57	9.113	1.1...	H1..
32	M76	PL3/8x6	.311	0	8	.268	0	y	5	70677..	72900	.57	9.113	1.1...	H1..
33	M69	PL3/8x6	.295	0	12	.289	0	y	9	70677..	72900	.57	9.113	1.1...	H1..
34	M61	PL3/8x6	.292	.516	4	.257	.516	y	2	36639..	72900	.57	9.113	1.4...	H1..
35	M1	PIPE_3.0	.290	1.172	9	.101	8.333		7	28250..	65205	5.749	5.749	2.46	H1..
36	M91A	PIPE_3.0	.289	4.948	9	.099	8.333		11	28250..	65205	5.749	5.749	2.4...	H1..
37	M37	PL3/8x6	.289	.516	8	.246	.516	y	6	36639..	72900	.57	9.113	1.49	H1..
38	M82	PIPE_3.0	.277	1.172	5	.104	8.333		3	28250..	65205	5.749	5.749	2.4...	H1..
39	M46	PL3/8x6	.277	.516	12	.256	.516	y	10	36639..	72900	.57	9.113	1.4...	H1..
40	M40	L2x2x3	.229	4.162	9	.012	0	y	1	9823....	23392.8	.558	1.078	1.1...	H2..
41	M41	L2x2x3	.221	0	9	.014	4.162	y	17	9823....	23392.8	.558	1.078	1.1...	H2..
42	M64	L2x2x3	.220	4.162	5	.013	0	y	9	9823....	23392.8	.558	1.078	1.1...	H2..
43	M51B	L2x2x3	.216	4.162	1	.012	0	y	5	9823....	23392.8	.558	1.078	1.1...	H2..

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

	Memb...	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[...	Dir	LC	phi*P...	phi*Pnt [...	phi*Mn ...	phi*Mn z-...	Cb	Eqn
44	M60	HSS4X4X4	.215	0	4	.071	2.152	z	5	13626..	139518	16.181	16.181	1.6...	H1..
45	M65	L2x2x3	.213	0	5	.014	4.162	y	13	9823....	23392.8	.558	1.078	1.1...	H2..
46	M36	HSS4X4X4	.211	0	8	.074	2.152	z	9	13626..	139518	16.181	16.181	1.6...	H1..
47	M35	HSS4X4X4	.211	2.375	10	.072	.223	z	9	13626..	139518	16.181	16.181	1.6...	H1..
48	M52B	L2x2x3	.210	0	1	.014	4.162	y	21	9823....	23392.8	.558	1.078	1.1...	H2..
49	M10	HSS4X4X4	.206	2.375	2	.067	.223	z	1	13626..	139518	16.181	16.181	1.6...	H1..
50	M43	HSS4X4X4	.202	0	12	.070	2.152	z	1	13626..	139518	16.181	16.181	1.6...	H1..
51	M59A	HSS4X4X4	.201	2.375	6	.069	.223	z	5	13626..	139518	16.181	16.181	1.6...	H1..
52	R1	PIPE_2.0	.179	3.5	5	.038	3.5		1	26521..	32130	1.872	1.872	2.0...	H1..
53	M48	PL3/8x6	.117	.112	9	.446	0	y	7	72311..	72900	.57	9.113	2.1...	H1..
54	M77A	PL3/8x6	.114	.112	4	.411	.112	y	1	72311..	72900	.57	9.113	1.0...	H1..
55	M80	PL3/8x6	.112	.112	1	.446	0	y	11	72311..	72900	.57	9.113	2.1...	H1..
56	M72	PL3/8x6	.112	.112	5	.467	0	y	3	72311..	72900	.57	9.113	2.17	H1..
57	M53	PL3/8x6	.112	.112	8	.410	.112	y	5	72311..	72900	.57	9.113	1.0...	H1..
58	M91	PL3/8x6	.107	.112	12	.427	.112	y	9	72311..	72900	.57	9.113	1.0...	H1..

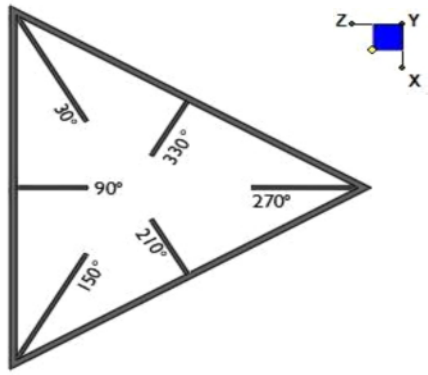
Client:	Verizon Wireless	Date:	4/22/2021
Site Name:	Hamden_5_CT		
Project No.	20777636A		
Title:	Mount Anlaysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

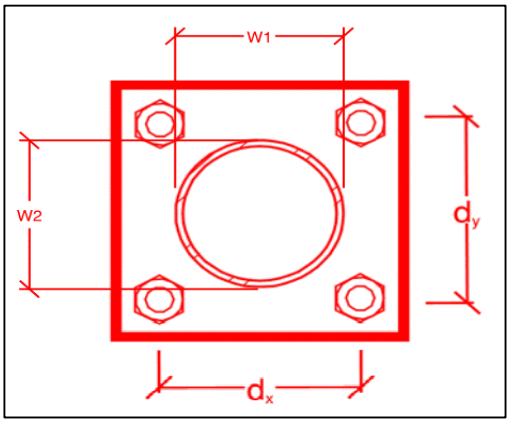
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	yes
Bolt Quantity per Reaction:	
d_x (in) *(Delta X of typ. bolt config. sketch)*	
d_y (in) *(Delta Y of typ. bolt config. sketch)*	
Bolt Type:	
Bolt Diameter (in):	
Required Tensile Strength (kips):	
Required Shear Strength (kips):	
Tensile Strength / bolt (kips):	
Shear Strength / bolt (kips):	
Tensile Capacity Overall:	
Shear Capacity Overall:	



**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):	
Plate Height (in):	
W1 (in):	
W2 (in):	
Fy (ksi, plate):	
t_{Plate} (in)	
Weld Size (1/16 in):	
Phi*Rn (kip/in):	
Required Weld Strength (kip/in):	
Plate Bending Capacity:	
Weld Capacity:	

Max Plate Bending Strengths

Mu_{xx} *(kip-in)*	
$Phi*Mn_{xx}$ *(kip-in)*	
Mu_{yy} *(kip-in)*	
$Phi*Mn_{yy}$ *(kip-in)*	

Mount Desktop Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor Passing Mount Analysis

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 installation was completed in accordance with this Passing Mount Analysis.

Contractor shall relay any data that can impact the performance of the mount, this includes safety issues.

Base Requirements:

Any special photos outside of the standard requirements will be indicated on the passing MA

Verification that loading is as communicated in the Passing Mount Analysis. NOTE If loading is different than what is conveyed 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 equipment 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 equipment.
  - 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

- 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.

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 any other information the contractor deems necessary to share that was identified:

Issue:

-Contractor shall verify the installation of the Site Pro 1 Part #: HRK12-U and previous scope detailed in the previous construction drawings and structural analysis by All-Points Technology Corporation.
Contractor shall tighten the existing safety climb wire rope guide.
-Contractor shall replace mount pipes in positions one with 84" P2.5 STD mount pipes connected to the face horizontal and support rail with crossover plates VZWSMART-MSK2 and VZWSMART-MSK1 respectively. Proposed mount pipe to match existing mount pipe tip height.

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

Sector: **A**

Structure Type: Monopole

Mount Elev: 140.00

4/22/2021

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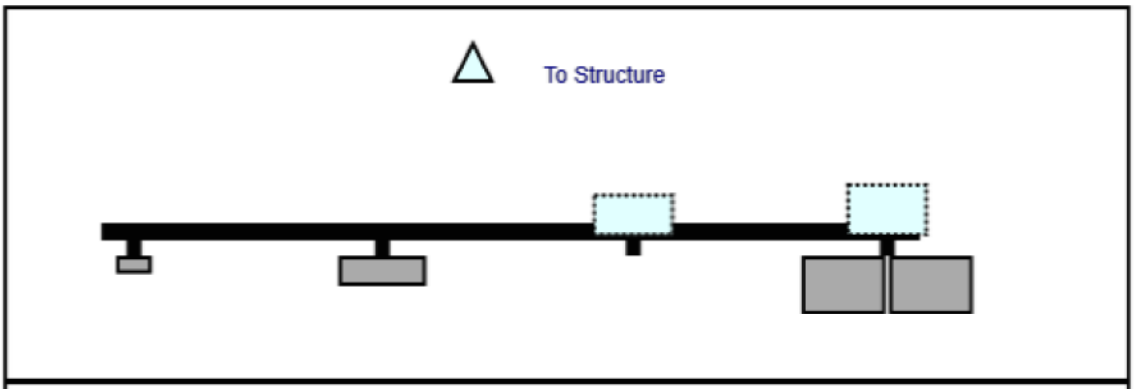
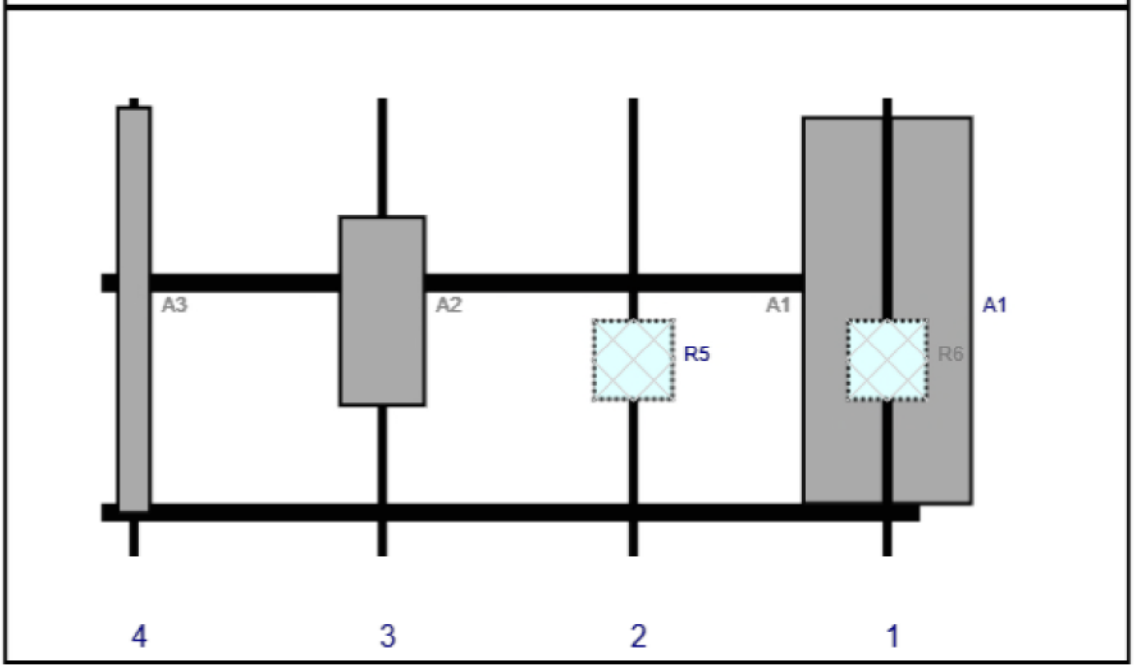
Plan View



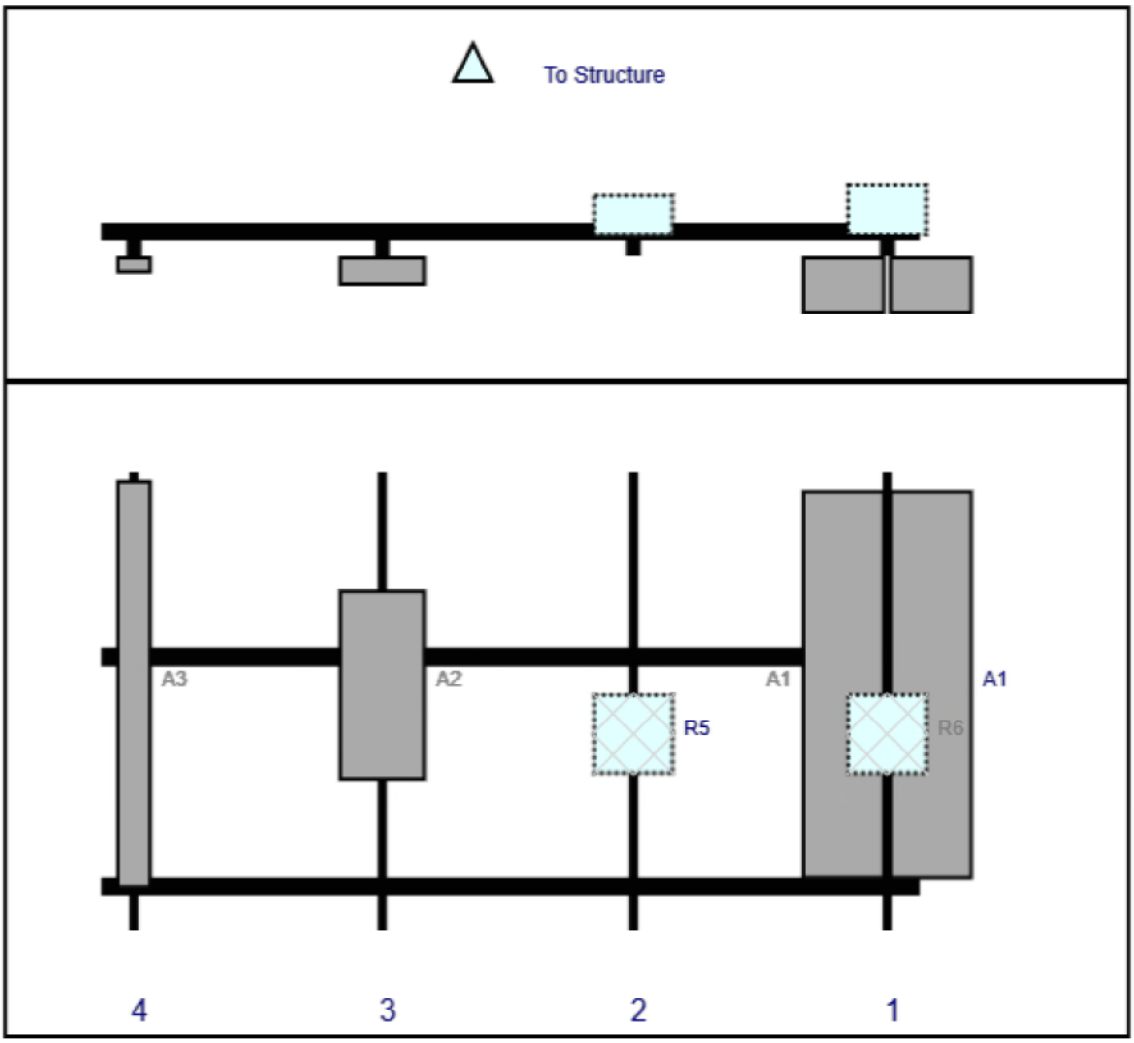
Front View
Looking at Structure



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
A1	MX06FRO660-03	71.3	15.4	144	1	a	Front	39	8	Added	
A1	MX06FRO660-03	71.3	15.4	144	1	b	Front	39	-8	Added	
R6	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	144	1	a	Behind	48	0	Retained	
R5	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	97.5	2	a	Behind	48	0	Retained	
A2	MT6407-77A	35.1	16.1	51.5	3	a	Front	39	0	Added	
A3	HBX-6517DS-VTM	74.9	6.6	6	4	a	Front	39	0	Retained	01/27/2021

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
A1	MX06FRO660-03	71.3	15.4	144	1	a	Front	39	8	Added	
A1	MX06FRO660-03	71.3	15.4	144	1	b	Front	39	-8	Added	
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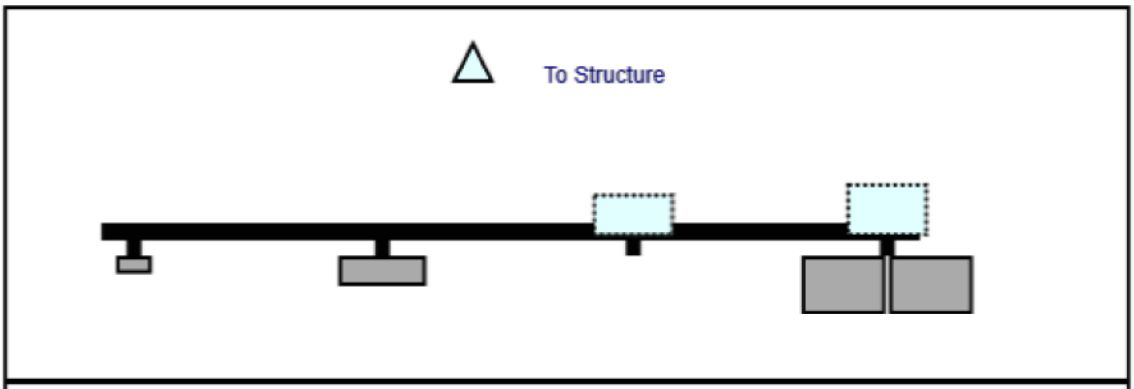
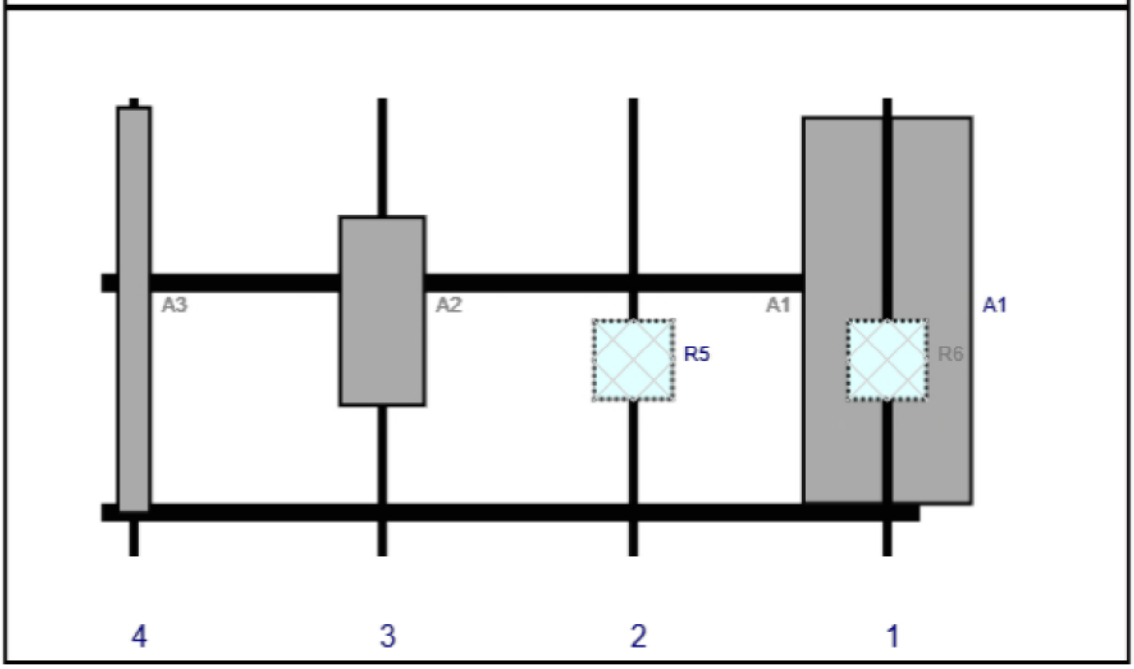
Plan View



Front View
Looking at Structure



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A3	HBX-6517DS-VTM	74.9	6.6	6	4	a	Front	39	0	Retained	01/27/2021

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— CONNECTICUT —

Maser Consulting Connecticut

Subject	TIA-222-H Adoption and Wind Speed Usage	
Site Information	*Site ID:*	*467276-VZW / Hamden_5_CT*
	Site Name:	*Hamden_5_CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*2895 State Street* *Hamden, Connecticut 06517,* *New Haven County*
	Latitude:	*41.360008°*
	Longitude:	*-72.885694°*
Structure Information	*Tower Type:*	*140.67-Ft Monopole*
	Mount Type:	*12.50-Ft Platform*

FUZE ID # 16227620

To Whom It May Concern,

We respectfully submit the above referenced Antenna Mount Structural Analysis report in conformance with ANSI/TIA-222-H, Structural Standard for Antenna Supporting Structures and Antennas and Small Wind Turbine Support Structures.

The 2015 International Building Code states that, in Section 3108, telecommunication towers shall be designed and constructed in accordance with the provisions of TIA-222. The TIA-222-H is the latest revision of the TIA-222 Standard, effective as of January 01, 2018.

As with all ANSI standards and engineering best practice is to apply the most current revision of the standard. This ensures the engineer is applying all updates. As an example, the TIA-222-H standard includes updates to bring it in line with the latest AISC and ACI standards and it also incorporates the latest wind speed maps by ASCE 7 based on updated studies of the wind data.

The TIA-222-H standard clarifies these specific requirements for the antenna mount analysis such as modeling methods, seismic analysis, 30-degree increment wind directions and maintenance loading. Therefore, it is our opinion that TIA-222-H is the most appropriate standard for antenna mount structural analysis and is acceptable for use at this site to ensure the engineer is taking into account the most current engineering standard available.

Sincerely,

Dejian Xu

Dejian Xu, PE
Technical Specialist

ATTACHMENT 5

Town of Hamden, Connecticut - Assessment Parcel Map

Parcel: 2432-021-00-0000 Address: 2895 STATE ST

N

Approximate Scale: **1 inch = 350 feet**

0 175 350 525 700 Feet

Map Produced: October 2020

TOWN OF HAMDEN, CONNECTICUT
GEOGRAPHIC & PROPERTY INFORMATION NETWORK

2750 DIXWELL AVENUE
HAMDEN, CT 06518
203-287-2500
E-MAIL: GENERAL INFORMATION

SEARCH
ALLERY
NG
PDATED

SUMMARY PARCEL INFORMATION & MAP DOCUMENTS

Detailed Parcel Information

Parcel No
2432-021-00-0000

Unique ID
100130

Account
100130

Owner
FARRICIELLI JOSEPH J

Location
2895 STATE ST

MAILING ADDRESS
104 CHERRY HILL RD
BRANFORD CT 06405

Scroll Down For Complete Property Detail

ATTACHMENT 6

HAMDEN 5

UNITED STATES POSTAL SERVICE®

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 08/16/2021 US POSTAGE $002.89 ZIP 06103 041L12203937
	Postmaster, per *(name of receiving employee)*		

USPS® Tracking Number / Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Curt Leng, Mayor Hamden Government Center 2750 Dixwell Avenue Hamden, CT 06518				
2.	Erik Johnson, Acting Town Planner Hamden Government Center 2750 Dixwell Avenue Hamden, CT 06518				
3.	Joseph Ferricielli 104 Cherry Hill Road Branford, CT 06405				
4.					
5.					
6.					

OLD STATE HOUSE STATION 06103
AUG 16 2021
USPS