PROJECT NARRATIVE

April 8, 2022

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

Re: Request of DISH Wireless LLC for an Order to Approve the Shared Use of an Existing Tower
1069 Connecticut Avenue, Bridgeport, CT 06804
Latitude: 41'11'01.02" / Longitude: -73'9'30.18"

Dear Ms. Bachman:

Pursuant to Connecticut General Statutes ("C.G.S.") §16-50aa, as amended, DISH Wireless LLC ("DISH") hereby requests an order from the Connecticut Siting Council ("Council") to approve the shared use by DISH of an existing telecommunication tower at 1069 Connecticut Avenue in Bridgeport (the "Property"). The existing 125-foot monopole tower is owned by American Tower Corporation ("ATC"). The underlying property is owned by WR CT AVENUE LLC. DISH requests that the Council find that the proposed shared use of the ATC tower satisfies the criteria of C.G.S. §16-50aa and issue an order approving the proposed shared use. A copy of this filing is being sent to Joseph P. Ganim, Mayor of the City of Bridgeport, Arben Kica, City of Bridgeport Building Official and WR CT AVENUE LLC as the property owner.

Background

By Decision dated February 9, 2000, the City of Bridgeport Zoning Board of Appeals granted a variance for construction of the tower and in accordance with the approved site plan. By Decision dated July 26, 2000, the Planning and Zoning Commission approved a site plan for construction of the tower. A copy of a letter from the City of Bridgeport is included in this filing describing the Decisions. The existing ATC facility consists of a 125-foot monopole tower located within an existing leased area. Clearwire Corporation currently maintains antennas at the 131-foot level. T-Mobile currently maintains antennas at the 116-foot level. AT&T Mobility currently maintains antennas at the 106-foot level. Metro PCS currently maintains antennas at the 98-foot level. Sigfox currently maintains antennas at the 88-foot level. Equipment associated with these antennas are located at various positions within the tower and compound.

DISH is licensed by the Federal Communications Commission ("FCC") to provide wireless services throughout the State of Connecticut. DISH and ATC have agreed to the proposed shared use of the 1069 Connecticut Avenue tower pursuant to mutually acceptable terms and conditions. Likewise, DISH and ATC have agreed to the proposed installation of equipment cabinets on the ground within the existing compound. ATC has authorized DISH to apply for all necessary permits and approvals that may be required to share the existing tower.
(See attached Letter of Authorization)

DISH proposes to install three (3) antennas, (1) Tower platform mount, (6) Remote radio units at the 78-foot level along with, (1) over voltage protection device (OVP) and (1) Hybrid cable. DISH will install an equipment cabinet on a 5'x7' equipment platform. DISH's Construction Drawings provide project specifications for all proposed site improvement locations.
The construction drawings also include specifications for DISH's proposed antenna and groundwork.

C.G.S. § 16-50aa(c)(1) provides that, upon written request for approval of a proposed shared use, "if the Council finds that the proposed shared use of the facility is technically, legally, environmentally and economically feasible and meets public safety concerns, the council shall issue an order approving such a shared use." DISH respectfully submits that the shared use of the tower satisfies these criteria.

A. Technical Feasibility. The existing ATC tower is structurally capable of supporting DISH's proposed improvements. The proposed shared use of this tower is, therefore, technically feasible. A Feasibility Structural Analysis Report ("Structural Report") prepared for this project confirms that this tower can support DISH's proposed loading. A copy of the Structural Report has been included in this application.

B. Legal Feasibility. Under C.G.S. § 16-50aa, the Council has been authorized to issue order approving the shared use of an existing tower such as the ATC tower. This authority complements the Council's prior-existing authority under C.G.S. § 16-50p to issue orders approving the construction of new towers that are subject to the Council's jurisdiction. In addition, § 16-50x(a) directs the Council to "give such consideration to the other state laws and municipal regulations as it shall deem appropriate" in ruling on requests for the shared use of existing tower facilities. Under the statutory authority vested in the Council, an order by the Council approving the requested shared use would permit the Applicant to obtain a building permit for the proposed installations.

C. Environmental Feasibility. The proposed shared use of the ATC tower would have a minimal environmental effect for the following reasons:

1. The proposed installation will have no visual impact on the area of the tower. DISH's equipment cabinet would be installed within the existing facility compound. DISH's shared use of this tower therefore will not cause any significant change or alteration in the physical or environmental characteristics of the existing site.

2. Operation of DISH's antennas at this site would not exceed the RF emissions standard adopted by the Federal Communications Commission ("FCC"). Included in the EME report of this filing are the approximation tables that demonstrate that DISH's proposed facility will operate well within the FCC RF emissions safety standards.

3. Under ordinary operating conditions, the proposed installation would not require the use of any water or sanitary facilities and would not generate air emissions or discharges to water bodies or sanitary facilities. After construction is complete the proposed installations would not generate any increased traffic to the ATC facility other than periodic maintenance. The proposed shared use of the ATC tower, would, therefore, have a minimal environmental effect, and is environmentally feasible.

D. **Economic Feasibility**. As previously mentioned, DISH has entered into an agreement with ATC for the shared use of the existing facility subject to mutually agreeable terms. The proposed tower sharing is, therefore, economically feasible.

E. **Public Safety Concerns**. As discussed above, the tower is structurally capable of supporting DISH's full array of three (3) antennas, (1) Tower platform mount, (6) Remote radio units, (1) over voltage protection device (OVP) and (1) Hybrid cable and all related equipment. DISH is not aware of any public safety concerns relative to the proposed sharing of the existing ATC tower.

Conclusion

For the reasons discussed above, the proposed shared use of the existing ATC tower at 1069 Connecticut Avenue satisfies the criteria stated in C.G.S. §16-50aa and advances the Council's goal of preventing the unnecessary proliferation of towers in Connecticut. The Applicant, therefore, respectfully requests that the Council issue an order approving the prosed shared use.

Sincerely,

David Hoogasian

David Hoogasian
Project Manager

LETTER OF AUTHORIZATION

AMERICAN TOWER®
CORPORATION

LETTER OF AUTHORIZATION

I, Margaret Robinson, Senior Counsel for American Tower*, owner/operator of the tower facility located at the address identified above (the "Tower Facility"), do hereby authorize **DISH WIRELESS L.L.C.**, its successors and assigns, and/or its agent, **NETWORK BUILDING + CONSULTING** (collectively, the "Licensee") to act as American Tower's non-exclusive agent for the sole purpose of filing and consummating any land-use or building permit application(s) as may be required by the applicable permitting authorities for Licensee's telecommunications' installation.

We understand that this application may be denied, modified or approved with conditions. The above authorization is limited to the acceptance by Licensee only of conditions related to Licensee's installation and any such conditions of approval or modifications will be Licensee's sole responsibility.

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

Project Number	Site Address	Customer Site Number	Tower Number	Site Name
13685414	5 High Ridge Park Road, Stamford CT	NJJER01080B	302515	SMFR - North
13685427	1069 Connecticut Avenue, Bridgeport CT	NJJER01130A	302469	Bridgeport CT 2
13688395	25 Meridian Ridge Drive, Newton CT	NJJER01081B	302518	Newtown CT 3
13699598	100 Old Redding Road, Redding CT	NJJER01161A	302522	Redding
13699607	22 Titicus Mtn Road, New Fairfield CT	NJJER01162A	88014	New Fairfield
13700310	2 SUNNY LANE, Westport CT	NJJER01082B	411189	CRANBURYSU CT
13700315	515 Morehouse Road, Easton CT	NJJER01097B	207956	Easton
13700320	100 Pocono Road, Brookfield CT	NJJER01099B	209271	Brookfield 2
13700322	320 Old Stagecoach Road, Ridgefield CT	NJJER01100B	209115	Ridgefield 2
13705673	20 Post Office Lane, Westport CT	NJJER01139B	302511	WSPT - South

AMERICAN TOWER®
CORPORATION

13709691	180A Bayberry Lane, Westport CT	NJJER01140B	310968	WSPT-WESTPORT REBUILD CT
13709692	1000 Trumbull Avenue, Bridgeport CT	NJJER01150B	383598	Tartaglia
13710333	168 Catoona Lane, Stamford CT	NJJER01123B	88018	Stamford (Katoona)
13712876	23 Stonybrook Road, Stratford CT	NJJER02048A	283420	STONEYBROOK RD CT
13735391	15 Soundview Avenue, Shelton CT	NJJER02055A	415438	Brownson Country Club CT

Print Name: Margaret Robinson
Senior Counsel, American Tower*

LETTER OF AUTHORIZATION
DISH WIRELESS L.L.C., its successors and assigns, and/or its agent, NETWORK BUILDING + CONSULTING

NOTARY BLOCK
Commonwealth of MASSACHUSETTS
County of Middlesex
This instrument was acknowledged before me by Margaret Robinson, Senior Counsel for American Tower*, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same.

WITNESS my hand and official seal, this 19th day of November 2021.

NOTARY SEAL

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

Notary Public
My Commission Expires: March 14, 2025

ORIGINAL FACILITY APPROVAL

CITY ATTORNEY
Mark T. Anastasi

DEPUTY CITY ATTORNEY
John D. Guman, Jr.

ASSOCIATE CITY ATTORNEYS
John H. Barton
John P. Bohannon, Jr.
Barbara Brazzel-Massaro
Russell D. Liskov
John R. Mitola
Ronald J. Pacacha

CITY OF BRIDGEPORT
OFFICE OF THE CITY ATTORNEY
999 Broad Street
Bridgeport, Connecticut 06604-4328

ASSISTANT CITY ATTORNEYS
Melanie J. Howlett
Arthur C. Laske III
R. Christopher Meyer
John J. Robacynski
Stephen J. Sedensky, Jr.

LEGAL ADMINISTRATOR
Kathleen Pacacha

Telephone (203) 576-7647
Facsimile (203) 576-8252

November 14, 2000

Facsimile and Overnight Mail

Joel M. Rinebold
Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

Re: TS-VOICE STREAM-015-001023 – VoiceStream Wireless Corporation request for an Order to approve tower sharing at an existing telecommunications facility located at 1069 Connecticut Avenue – Comments of the City of Bridgeport

Dear Mr. Rinebold:

The City of Bridgeport ("City") submits the following comments on the application cited above. By Decision dated February 9, 2000, the Zoning Board of Appeals granted a variance to Nextel Communications ("Nextel") for the construction of a monopole ("tower") one hundred and thirty feet (130 feet) in height to be located at 1069 Connecticut Avenue, conditioned upon the development of the property in accordance with the approved site plan. By Decision dated July 26, 2000, the Planning and Zoning Commission ("P & Z Commission") approved a site plan for construction of: a 130 feet tower; a fenced-in enclosure and gate to encompass the base of the tower and safeguard the public should equipment based on the dimensions proposed by Nextel become dislocated from the tower; and a ten feet by twenty feet (10 x 20) metal equipment box for use by Nextel for associated equipment.

A review of the application for tower sharing submitted by VoiceStream Wireless Corporation ("VoiceStream") indicates that it appears that the new antennas will not exceed the variance height approved by the ZBA, and the associated equipment will be placed inside the equipment box already constructed and owned by Nextel. However, the application does not indicate whether the dimensions of the antennas will not exceed the dimensions of the Nextel antennas.

The approved Nextel Site Plan anticipated the location of one additional carrier in the then existing equipment box, and antennas to be installed on the tower by another licensed carrier at a height lower than the Nextel antennas, but designed in a manner that would not exceed the dimensions of the Nextel antennas.

The City will require that VoiceStream obtain a Building Permit prior to the installation of the new antenna and associated equipment. If the drawings submitted to the City for a Building Permit indicate that the VoiceStream antennas will have the same dimensions as the Nextel antennas, then additional approval by the P&Z Commission, by the submission of an application for approval of an Amended Site Plan, should not be required. However, the City will require a Surety Bond for the future removal of the antenna and equipment as a condition of VoiceStream obtaining said Building Permit.

If there are any questions regarding this matter, please do not hesitate to contact me.

Sincerely,

Melanie J. Howlett
Assistant City Attorney

Cc: William Shaw – Clerk, Bridgeport Planning & Zoning Commission
Brendan Sharkey, Esq. for VoiceStream

ENGINEERING DRAWINGS

dish wireless.™

DISH Wireless L.L.C. SITE ID:

NJJER01130A

DISH Wireless L.L.C. SITE ADDRESS:

1069 CONNECTICUT AVENUE
BRIDGEPORT, CT 06607

THE PROJECT DEPICTED IN THESE PLANS QUALIFIES AS AN ELIGIBLE FACILITIES REQUEST ENTITLED TO EXPEDITED REVIEW UNDER 47 U.S.C. 1455(A) AS A MODIFICATION OF AN EXISTING WIRELESS TOWER THAT INVOLVES THE COLLOCATION REMOVAL AND/OR REPLACEMENT OF TRANSMISSION EQUIPMENT THAT IS NOT A SUBSTANTIAL CHANGE UNDER CFR 1.61000 (B)(7).

SCOPE OF WORK

THIS IS NOT AN ALL INCLUSIVE LIST. CONTRACTOR SHALL UTILIZE SPECIFIED EQUIPMENT PART OR ENGINEER APPROVED EQUIVALENT. CONTRACTOR SHALL VERIFY ALL NEEDED EQUIPMENT TO PROVIDE A FUNCTIONAL SITE. THE PROJECT GENERALLY CONSISTS OF THE FOLLOWING:

TOWER SCOPE OF WORK:
- INSTALL (3) PROPOSED PANEL ANTENNAS (1 PER SECTOR)
- INSTALL (1) PROPOSED TOWER PLATFORM MOUNT
- INSTALL PROPOSED JUMPERS
- INSTALL (6) PROPOSED RRUs (2 PER SECTOR)
- INSTALL (1) PROPOSED OVER VOLTAGE PROTECTION DEVICE (OVP)
- INSTALL (1) PROPOSED HYBRID CABLE

GROUND SCOPE OF WORK:
- INSTALL 35'-0" PROPOSED CHAIN-LINK FENCE
- INSTALL (1) PROPOSED METAL PLATFORM
- INSTALL (1) PROPOSED ICE BRIDGE
- INSTALL (1) PROPOSED PPC CABINET
- INSTALL (1) PROPOSED EQUIPMENT CABINET
- INSTALL (1) PROPOSED POWER CONDUIT
- INSTALL (1) PROPOSED TELCO CONDUIT
- INSTALL (1) PROPOSED TELCO-FIBER BOX
- INSTALL (1) PROPOSED GPS UNIT
- INSTALL (1) PROPOSED FIBER NID (IF REQUIRED)
- INSTALL (1) PROPOSED METER CANISTER IN EXISTING EMPTY METER SOCKET
- INSTALL (1) PROPOSED FIBER HAND HOLE (IF REQUIRED)

SITE INFORMATION

PROPERTY OWNER:	WR CT AVENUE LLC
ADDRESS:	656 CENTRAL PARK AVENUE YONKERS, NY 10704
TOWER TYPE:	MONOPOLE
TOWER CO SITE ID:	302469
TOWER APP NUMBER:	13685427
COUNTY:	FAIRFIELD
LATITUDE (NAD 83):	41° 11' 1.02" N 41.18361667 N
LONGITUDE (NAD 83):	73° 9' 30.18" W 73.1583833300 W
ZONING JURISDICTION:	BRIDGEPORT CITY
ZONING DISTRICT:	I-L
PARCEL NUMBER:	723-3A
OCCUPANCY GROUP:	U
CONSTRUCTION TYPE:	II-B
POWER COMPANY:	UNITED ILLUMINATING COMPANY
TELEPHONE COMPANY:	T.B.D.

PROJECT DIRECTORY

APPLICANT:	DISH Wireless L.L.C. 5701 SOUTH SANTA FE DRIVE LITTLETON, CO 80120 (303) 706-5008
TOWER OWNER:	AMERICAN TOWER CORPORATION 10 PRESIDENTIAL WAY WOBURN, MA 01801 (781) 926-4500
SITE DESIGNER:	B+T GROUP 1717 S. BOULDER AVE, SUITE 300 TULSA, OK 74119 (918) 587-4630
SITE ACQUISITION:	WILLIAM SNIDER WILLIAM.SNIDER@DISH.COM
CONSTRUCTION MANAGER:	MICHAEL NARDUCCI MICHAEL.NARDUCCI@DISH.COM
RF ENGINEER:	MURUGABIRAN JAYAPAL MURUGABIRAN.JAYAPAL@DISH.COM

CONNECTICUT CODE COMPLIANCE

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

CODE TYPE	CODE
BUILDING	2018 CT STATE BUILDING CODE/2015 IBC W/ CT AMENDMENTS
MECHANICAL	2018 CT STATE BUILDING CODE/2015 IMC W/ CT AMENDMENTS
ELECTRICAL	2018 CT STATE BUILDING CODE/2017 NEC W/ CT AMENDMENTS

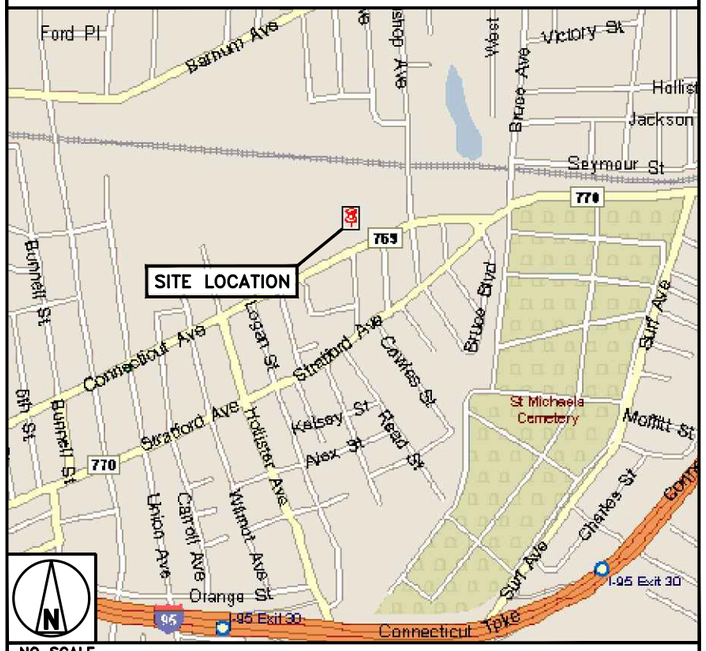
SITE PHOTO

DIRECTIONS

DIRECTIONS 3 ADP BOULEVARD, NJ:

GO NORTHEAST ON ADP BLVD TOWARD CHOCTAW WAY, TURN RIGHT ONTO CHOCTAW WAY, TURN RIGHT ONTO LIVINGSTON AVE/COUNTY HWY-527, MERGE ONTO I-280 E, MERGE ONTO NEW JERSEY TURNPIKE/I-95 N VIA THE EXIT ON THE LEFT TOWARD US-46 N/I-80 N, KEEP LEFT TO TAKE I-95 N TOWARD GEORGE WASHINGTON BRIDGE (PORTIONS TOLL) (PASSING THROUGH NEW YORK, THEN CROSSING INTO CONNECTICUT), TAKE THE CT-113/LORDSHIP BOULEVARD EXIT, EXIT 30, TURN LEFT ONTO LORDSHIP BLVD/CT-113. CONTINUE TO FOLLOW CT-113, STAY STRAIGHT TO GO ONTO HOLLISTER AVE, TURN RIGHT ONTO STRATFORD AVE/CT-130, TAKE THE 3RD LEFT ONTO WATERMAN ST., WATERMAN ST IS JUST PAST READ ST, TAKE THE 2ND LEFT ONTO CONNECTICUT AVE/CT-130, CONNECTICUT AVE IS JUST PAST ALANSON RD, 1069 CONNECTICUT AVE, BRIDGEPORT, CT 06607-1204, 1069 CONNECTICUT AVE IS ON THE RIGHT. ARRIVE AT NJJER01130A.

VICINITY MAP



NO SCALE

SHEET INDEX

SHEET NO.	SHEET TITLE
T-1	TITLE SHEET
LS-1	SITE SURVEY
A-1	OVERALL AND ENLARGED SITE PLAN
A-2	ELEVATION, ANTENNA LAYOUT AND SCHEDULE
A-3	EQUIPMENT PLATFORM AND H-FRAME DETAILS
A-4	EQUIPMENT DETAILS
A-5	EQUIPMENT DETAILS
A-6	EQUIPMENT DETAILS
A-7	COMPOUND DETAILS
E-1	ELECTRICAL/FIBER ROUTE PLAN AND NOTES
E-2	ELECTRICAL DETAILS
E-3	ELECTRICAL ONE-LINE, FAULT CALCS & PANEL SCHEDULE
G-1	GROUNDING PLANS AND NOTES
G-2	GROUNDING DETAILS
G-3	GROUNDING DETAILS
RF-1	RF CABLE COLOR CODE
GN-1	LEGEND AND ABBREVIATIONS
GN-2	GENERAL NOTES
GN-3	GENERAL NOTES
GN-4	GENERAL NOTES

UNDERGROUND SERVICE ALERT CBYD 811
UTILITY NOTIFICATION CENTER OF CONNECTICUT
(800) 922-4455
WWW.CBYD.COM
CALL 2 WORKING DAYS UTILITY NOTIFICATION PRIOR TO CONSTRUCTION

811

GENERAL NOTES

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE. NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.

11"x17" PLOT WILL BE HALF SCALE UNLESS OTHERWISE NOTED

CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS, AND CONDITIONS ON THE JOB SITE, AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.

dish wireless.
5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120

AMERICAN TOWER®
10 PRESIDENTIAL WAY
WOBURN, MA 01801

B+T GRP
1717 S. BOULDER
SUITE 300
TULSA, OK 74119
PH: (918) 587-4630
www.btgrp.com

STATE OF CONNECTICUT · CHAD D. TUTTLE · No. 23924 · LICENSED PROFESSIONAL ENGINEER

9/22/21

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/22

DRAWN BY:	CHECKED BY:	APPROVED BY:
MLM	CDW	DAS

RFDS REV #: 3

CONSTRUCTION DOCUMENTS

SUBMITTALS

REV	DATE	DESCRIPTION
A	8/12/21	ISSUED FOR REVIEW
0	8/31/21	ISSUED FOR CONSTRUCTION
1	9/13/21	ISSUED FOR CONSTRUCTION
2	9/22/21	ISSUED FOR CONSTRUCTION

A&E PROJECT NUMBER

153914.001.01

DISH Wireless L.L.C.
PROJECT INFORMATION

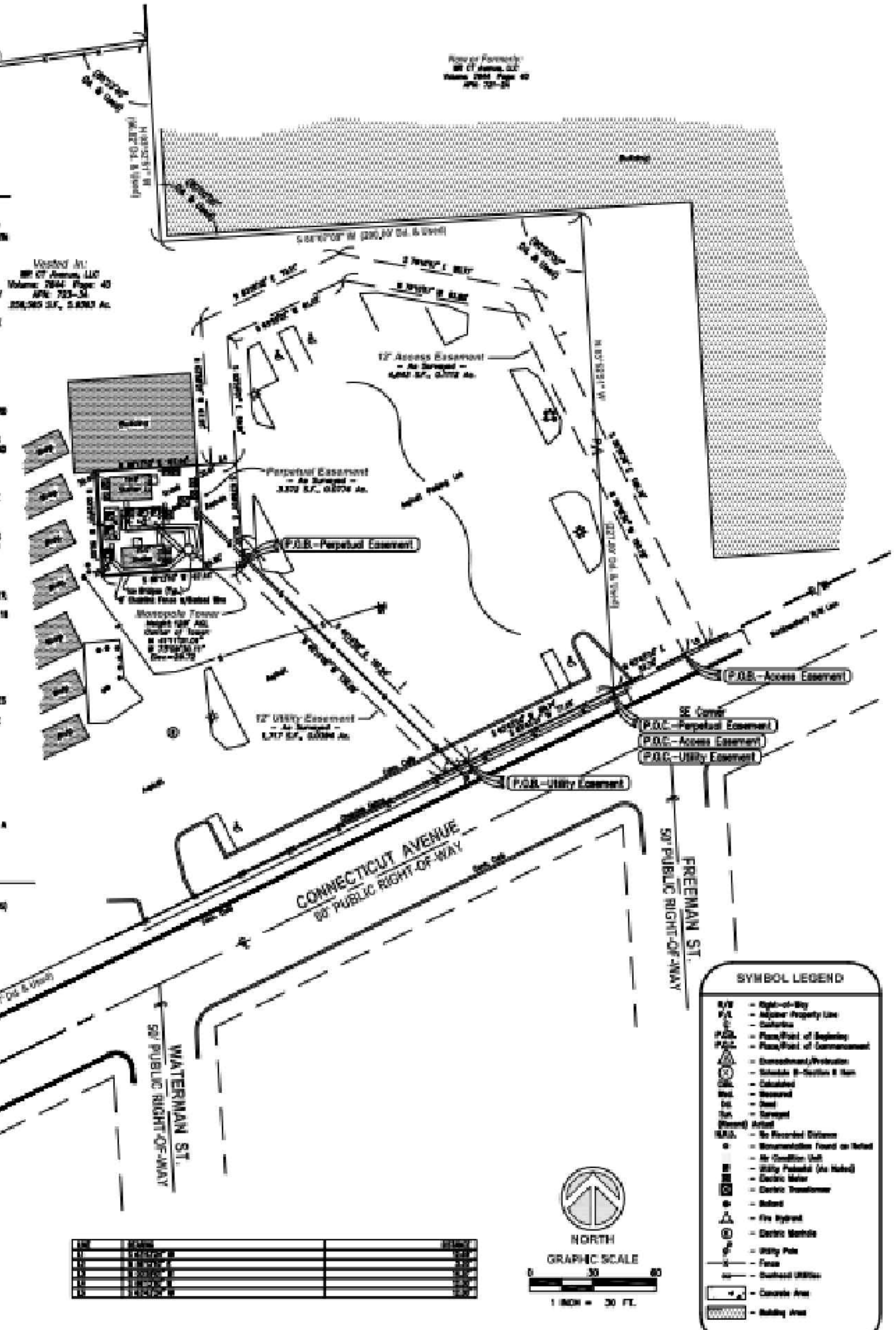
NJJER01130A
1069 CONNECTICUT AVENUE
BRIDGEPORT, CT 06607

SHEET TITLE

TITLE SHEET

SHEET NUMBER

T-1



VICINITY MAP
NOT TO SCALE

PERPETUAL EASEMENT - AS SURVEYED

A perpetual easement situated in the City of Bridgeport, County of Fairfield, State of Connecticut, and known as being a [illegible] sq. ft. perpetual easement over and upon the lands described in deed to 99 CT Avenue, LLC, Volume 7844, Page 40, of the Bridgeport Land Records and being more particularly described by metes and bounds as follows:

Commencing at the Southeast corner of said described lands, also being a point of intersection with the Northwesterly right-of-way line of Connecticut Avenue; Thence, along said Northwesterly right-of-way line, run [illegible], a distance of [illegible] feet; Thence, leaving said Northwesterly right-of-way line, run [illegible], a distance of [illegible] feet; Thence, [illegible], a distance of [illegible] feet to the place of beginning.

Thence, [illegible], a distance of [illegible] feet; Thence, [illegible], a distance of [illegible] feet; Thence, [illegible], a distance of [illegible] feet; Thence, [illegible], a distance of [illegible] feet to the place of beginning. Said perpetual easement encumbering [illegible] square feet ([illegible] Acres ±).

12' ACCESS EASEMENT - AS SURVEYED

A 12 foot wide access easement situated in the City of Bridgeport, County of Fairfield, State of Connecticut, and known as being a [illegible] sq. ft. access easement over and upon the lands described in deed to 99 CT Avenue, LLC, Volume 7844, Page 40, of the Bridgeport Land Records and being more particularly described by metes and bounds as follows:

Commencing at the Southeast corner of said described lands, also being a point of intersection with the Northwesterly right-of-way line of Connecticut Avenue; Thence, along said Northwesterly right-of-way line, run [illegible], a distance of [illegible] feet to the place of beginning.

Thence, leaving said Northwesterly right-of-way line, run [illegible] ... [illegible] feet to a point of intersection with the said Northwesterly right-of-way line; Thence, [illegible], along said Northwesterly right-of-way line, a distance of [illegible] feet to the place of beginning. Said access easement encumbering [illegible] square feet ([illegible] Acres ±).

12' UTILITY EASEMENT - AS SURVEYED

A 12 foot wide utility easement situated in the City of Bridgeport, County of Fairfield, State of Connecticut, and known as being a [illegible] sq. ft. utility easement over and upon the lands described in deed to 99 CT Avenue, LLC, Volume 7844, Page 40, of the Bridgeport Land Records and being more particularly described by metes and bounds as follows:

Commencing at the Southeast corner of said described lands, also being a point of intersection with the Northwesterly right-of-way line of Connecticut Avenue; Thence, along said Northwesterly right-of-way line, run [illegible], a distance of [illegible] feet to the place of beginning.

Thence, continue [illegible], along said Northwesterly right-of-way line, a distance of [illegible] feet; Thence, leaving said Northwesterly right-of-way line, run [illegible], a distance of [illegible] feet; Thence, [illegible], a distance of [illegible] feet; Thence, [illegible], a distance of [illegible] feet; Thence, [illegible], a distance of [illegible] feet to the place of beginning. Said utility easement encumbering [illegible] square feet ([illegible] Acres ±).

ENTITLE INSURANCE COMPANY COMMITMENT NO. H32627 - SCHEDULE A:

A LEASEHOLD INTEREST IN:

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE COUNTY OF FAIRFIELD, STATE OF CONNECTICUT, AND IS DESCRIBED AS FOLLOWS: THAT CERTAIN PARCEL OR TRACT OF LAND, WITH THE BUILDINGS AND OTHER IMPROVEMENTS THEREON, SITUATED IN THE CITY OF BRIDGEPORT, COUNTY OF FAIRFIELD, AND STATE OF CONNECTICUT, AND BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT THE POINT OF INTERSECTION OF THE NORTHERLY STREET LINE OF CONNECTICUT AVENUE AND THE WESTERLY STREET LINE OF FREEMAN STREET, AS ESTABLISHED BY THE CITY OF BRIDGEPORT;

THENCE NORTHERLY ALONG THE WESTERLY STREET LINE OF SAID FREEMAN STREET A DISTANCE OF TWO HUNDRED TWENTY-SEVEN (227) FEET;

THENCE WESTERLY AT RIGHT ANGLES WITH THE LAST DESCRIBED LINE ALONG THE SOUTHERLY BOUNDARY OF LAND OF THE LOCKE STEEL CHAIN COMPANY, A DISTANCE OF TWO HUNDRED (200) FEET;

THENCE NORTHERLY AGAIN AT RIGHT ANGLE WITH THE LAST DESCRIBED LINE ALONG THE WESTERLY BOUNDARY OF LAND OF SAID THE LOCKE STEEL CHAIN COMPANY, A DISTANCE OF NINETY-SIX AND 2/100 (96.02) FEET TO LAND OF THE NEW YORK, NEW HAVEN AND HARTFORD RAILROAD COMPANY;

THENCE AT AN INTERIOR ANGLE WITH THE LAST DESCRIBED LINE OF [illegible] DEGREES [illegible] MINUTES [illegible] SECONDS ALONG THE SOUTHERLY BOUNDARY OF LAND OF THE NEW YORK, NEW HAVEN AND HARTFORD RAILROAD COMPANY, A DISTANCE OF TWO HUNDRED THREE AND 4/100 (203.04) FEET;

THENCE STILL WESTERLY AT AN INTERIOR ANGLE WITH THE LAST DESCRIBED LINE OF [illegible] DEGREES [illegible] MINUTES [illegible] SECONDS ALONG THE SOUTHERLY BOUNDARY OF LAND OF SAID THE NEW YORK, NEW HAVEN AND HARTFORD RAILROAD COMPANY, A DISTANCE OF TWO HUNDRED SEVENTY-FOUR AND 53/100 (274.53) FEET;

THENCE SOUTHERLY AT AN INTERIOR ANGLE WITH THE LAST DESCRIBED LINE OF [illegible] DEGREES [illegible] MINUTES [illegible] SECONDS ALONG THE EASTERLY BOUNDARY OF LAND OF THE AMERICAN CHAIN AND CABLE COMPANY, A DISTANCE OF EIGHTY-FOUR AND [illegible]/100 ([illegible]) FEET;

THENCE STILL SOUTHERLY AT AN INTERIOR ANGLE WITH THE LAST DESCRIBED LINE OF [illegible] DEGREES [illegible] MINUTES [illegible] SECONDS ALONG THE EASTERLY BOUNDARY OF LAND OF SAID THE AMERICAN CHAIN AND CABLE COMPANY, A DISTANCE OF THIRTY-TWO AND [illegible]/100 ([illegible]) FEET;

THENCE WESTERLY AT AN INTERIOR ANGLE WITH THE LAST DESCRIBED LINE OF [illegible] DEGREES [illegible] MINUTES [illegible] SECONDS ALONG THE SOUTHERLY BOUNDARY OF LAND OF SAID THE AMERICAN CHAIN AND CABLE COMPANY, A DISTANCE OF [illegible] FEET;

THENCE SOUTHERLY AGAIN AT AN INTERIOR ANGLE WITH THE LAST DESCRIBED LINE OF [illegible] DEGREES [illegible] MINUTES [illegible] SECONDS ALONG THE EASTERLY BOUNDARY OF LAND OF SAID THE AMERICAN CHAIN AND CABLE COMPANY, AND WHICH BOUNDARY LINE IS MARKED BY A WIRE FENCE, A DISTANCE OF THREE HUNDRED SIXTY-FOUR AND [illegible]/100 ([illegible]) FEET;

AND THENCE EASTERLY AT AN INTERIOR ANGLE WITH THE LAST DESCRIBED LINE OF [illegible] DEGREES [illegible] MINUTES [illegible] SECONDS ALONG SAID NORTHERLY STREET LINE OF CONNECTICUT AVENUE, A DISTANCE OF SIX HUNDRED SIXTY-EIGHT AND 47/100 (668.47) FEET, TO THE POINT OR PLACE OF BEGINNING.

SAID LAST DESCRIBED LINE FORMING AN INTERIOR ANGLE OF [illegible] DEGREES [illegible] MINUTES [illegible] SECONDS WITH THE LINE FIRST DESCRIBED HEREIN, TOGETHER WITH ALL RIGHT, TITLE AND INTEREST OF THE GRANTOR OF IN AND TO ANY STREETS AND ROADS ABUTTING THE ABOVE DESCRIBED PREMISES.

PARCEL ID #

THIS BEING THE SAME PROPERTY CONVEYED TO 99 CT AVENUE, LLC, A CONNECTICUT LIMITED LIABILITY COMPANY FROM 99 CT AVENUE, LLC, A CONNECTICUT LIMITED LIABILITY COMPANY IN A DEED DATED JUNE 27, 2008 RECORDED JUNE 27, 2008 IN BOOK 7844, PAGE 34.

ENTITLE INSURANCE COMPANY COMMITMENT NO. H32627 - SCHEDULE B, SECTION II:

6. SUBJECT TO EASEMENT AGREEMENT RECORDED DECEMBER 3, 2008, IN VOLUME 7933, PAGE 250, OF THE BRIDGEPORT LAND RECORDS. (AFFECTS SUBJECT PROPERTY -- NO PLOTTABLE ITEMS)

BASIS OF BEARING:

The meridian for all bearings shown hereon is the northerly right-of-way of Connecticut Avenue (Connecticut Route 130), known as being North [illegible] East, per GPS observations.

FLOOD ZONE:

By scaled map location and graphic plotting only, the subject property appears to lie entirely in Zone X, according to the Flood Insurance Rate Map for the County of Fairfield, Community Panel No. [illegible], Effective Date: June 18, 2010.

ENCROACHMENTS:

At the time of survey there were no visible encroachments onto or beyond the subject property.

ZONING:

Zoning Classification: Not received as of 12/08/10

CERTIFICATION:

I, William F. Drake, PLS, a Connecticut State Registered Professional Land Surveyor, License No. [illegible], hereby certify that the following Latitude and Longitude values for the center of the above-referenced tower are accurate to within +/- 15 feet horizontally and that the following tower site elevation is accurate to within +/- 3 feet vertically.

HORIZONTAL DATUM: NAD83

LATITUDE: North [illegible]
LONGITUDE: West [illegible]

VERTICAL DATUM: NAVD 88

By: ____________________
William F. Drake, PLS
Connecticut Professional Land Surveyor No. [illegible]
For and on behalf of Millman Surveying, Inc.
Date of Survey: 12/08/10

Note: This survey does not represent a boundary survey of the parent parcel.

LINE	BEARING		DISTANCE
[illegible]	[illegible]		[illegible]
[illegible]	[illegible]		[illegible]
[illegible]	[illegible]		[illegible]
[illegible]	[illegible]		[illegible]
[illegible]	[illegible]		[illegible]

SYMBOL LEGEND

- R/W – Right-of-Way
- P/L – Adjoiner Property Line
- ℄ – Centerline
- P.O.B. – Place/Point of Beginning
- P.O.C. – Place/Point of Commencement
- Monument/Protractor
- Schedule B–Section II Item
- Calc. – Calculated
- Meas. – Measured
- Dd. – Deed
- Sur. – Surveyed
- (Record) Actual
- N.R.D. – No Recorded Distance
- Monumentation Found as Noted
- Air Condition Unit
- Utility Pedestal (As Noted)
- Electric Meter
- Electric Transformer
- Bollard
- Fire Hydrant
- Electric Manhole
- Utility Pole
- Fence
- Overhead Utilities
- Concrete Area
- Building Area

TOWER SURVEY
PREPARED FOR:

AMERICAN TOWER
900 Circle 75 Parkway, Suite 300
Atlanta, GA 30339
Phone: 770-953-9400

AS-BUILT SURVEY
Site Name: BRIDGEPORT CT 2
Site ID: 302469
1069 Connecticut Ave.
City of Bridgeport
County of Fairfield
State of Connecticut

Drawn By: JAE	Project Manager: MR
Date: 12/08/10	Scale: N/A
Checked: MFD	Sheet: 1 of 1

REVISION NOTES:

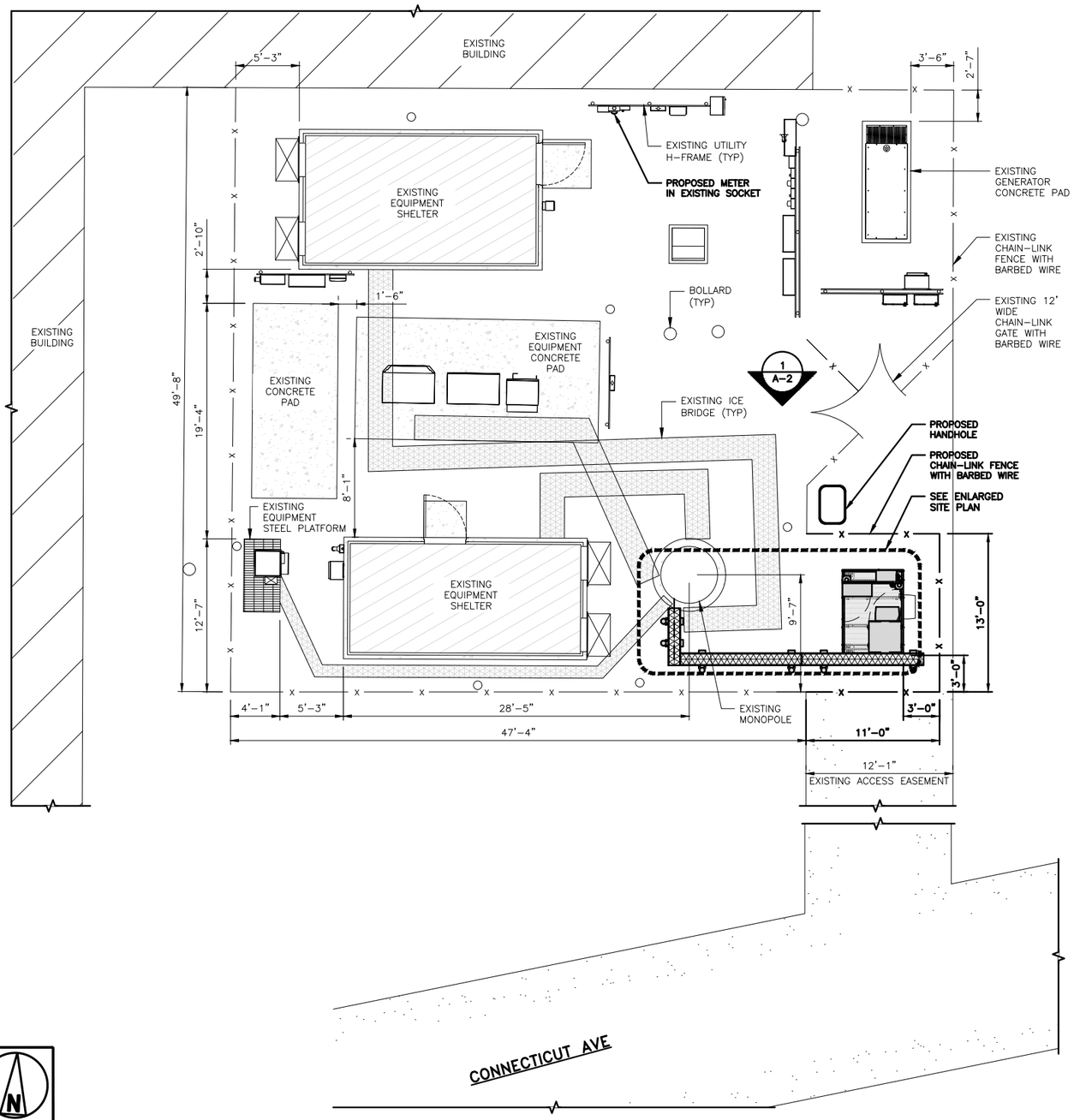
No.	Date:	Comment:

National Commercial Division
NCD Site No.: [illegible]

MILLMAN SURVEYING, Inc.
CORPORATE HEADQUARTERS
[illegible]
Phone [illegible]
Fax [illegible]

NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
2. ANTENNAS AND MOUNTS OMITTED FOR CLARITY.



N

OVERALL SITE PLAN

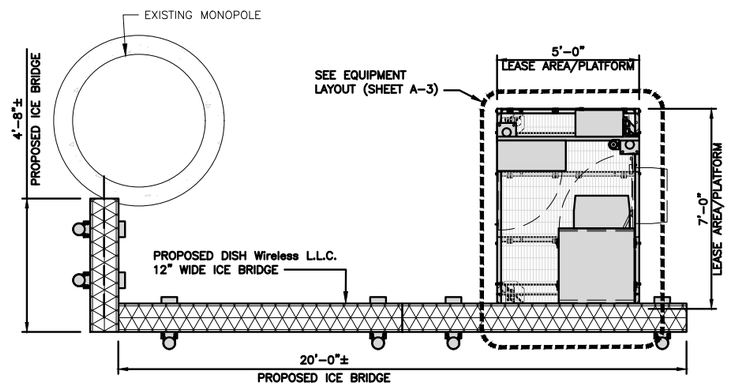
6' 4' 2' 0 5' 10'
3/16"=1'-0"

1

DISH Wireless L.L.C. TEMPLATE VERSION 37 – 07/09/2021

NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
2. CONTRACTOR SHALL MAINTAIN A 10'-0" MINIMUM SEPARATION BETWEEN THE PROPOSED GPS UNIT, TRANSMITTING ANTENNAS AND EXISTING GPS UNITS.
3. ANTENNAS AND MOUNTS OMITTED FOR CLARITY.

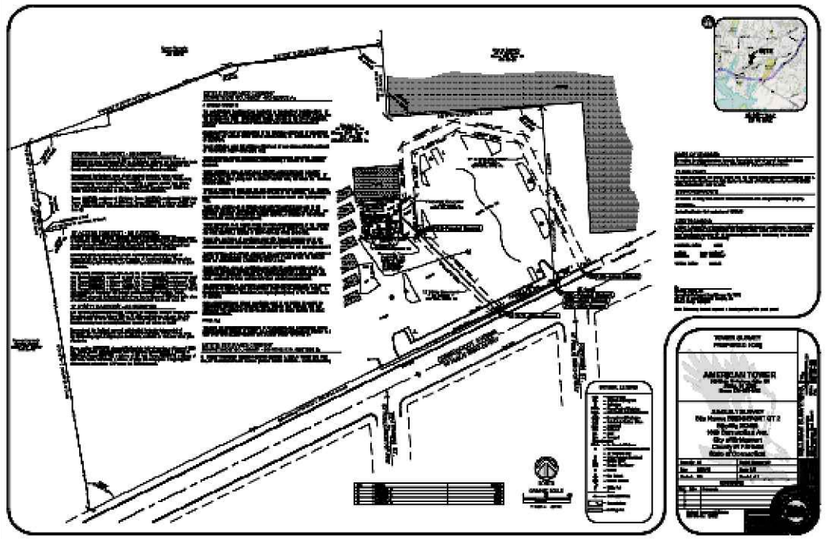


N

ENLARGED SITE PLAN

12" 6" 0 1' 2' 3' 4' 5' 6' 7'
3/8"=1'-0"

2



NOTE: THE SURVEY PROVIDED ON THIS SHEET IS PROVIDED FOR REFERENCE ONLY. THE UTILITY ROUTE AND EXISTING EASEMENT MUST BE VERIFIED PRIOR TO CONSTRUCTION.

SURVEY

NO SCALE

3

dish wireless.

5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120

AMERICAN TOWER
10 PRESIDENTIAL WAY
WOBURN, MA 01801

B+T GRP
1717 S. BOULDER
SUITE 300
TULSA, OK 74119
PH: (918) 587-4630
www.btgrp.com

STATE OF CONNECTICUT
CHAD D. WILLIAMS
No. 23924
LICENSED PROFESSIONAL ENGINEER
9/22/21

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/22

DRAWN BY:	CHECKED BY:	APPROVED BY:
MLM	CDW	DAS

RFDS REV #: 3

CONSTRUCTION DOCUMENTS

SUBMITTALS

REV	DATE	DESCRIPTION
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A&E PROJECT NUMBER

153914.001.01

DISH Wireless L.L.C.
PROJECT INFORMATION

NJJER01130A
1069 CONNECTICUT AVENUE
BRIDGEPORT, CT 06607

SHEET TITLE

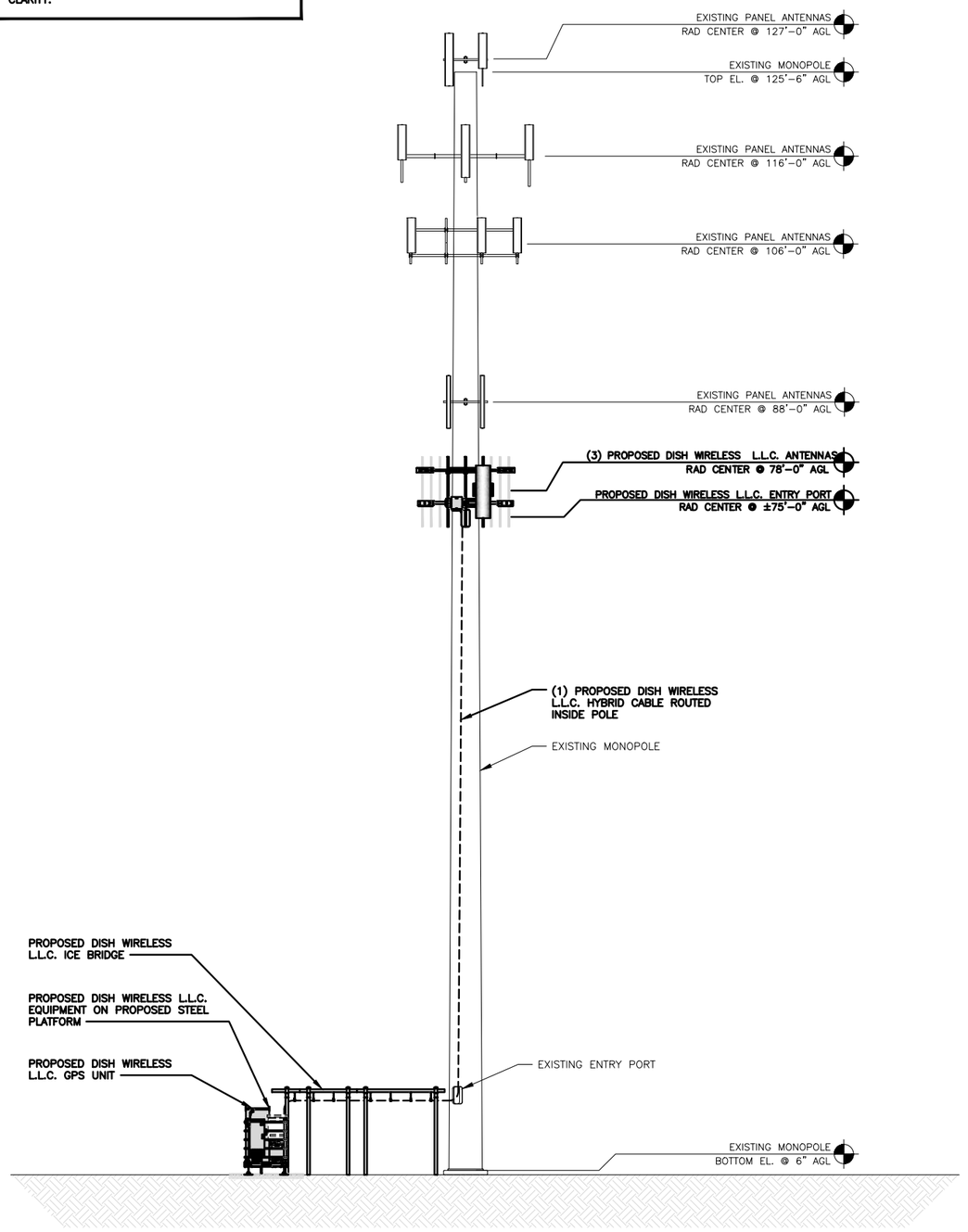
OVERALL AND ENLARGED SITE PLAN

SHEET NUMBER

A-1

NOTES

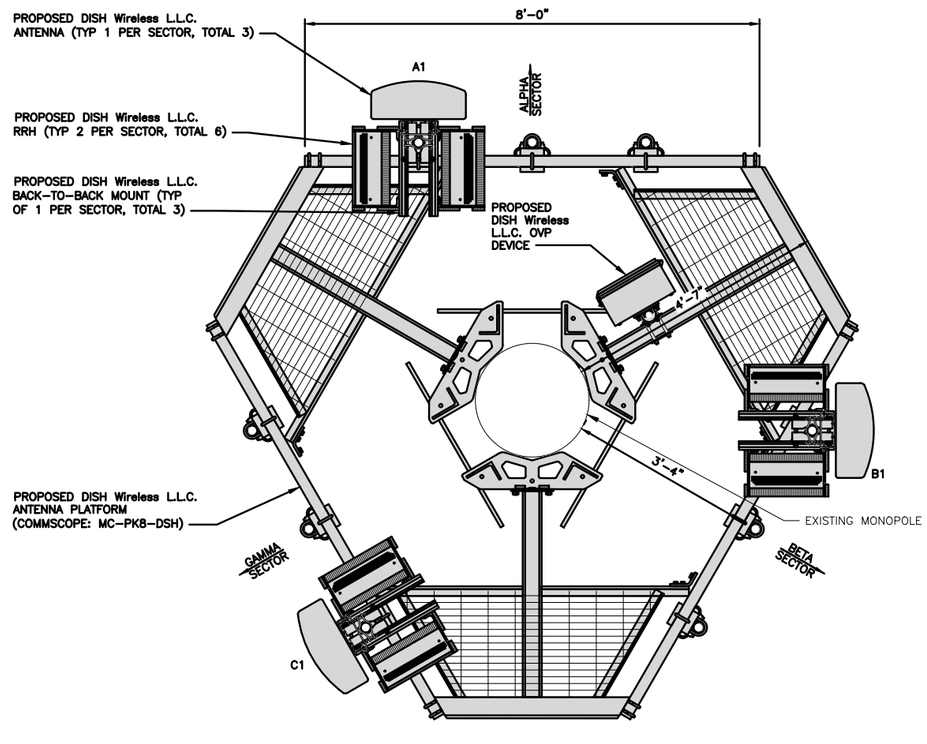
1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
2. ANTENNA AND MW DISH SPECIFICATIONS REFER TO ANTENNA SCHEDULE AND TO FINAL CONSTRUCTION RFDS FOR ALL RF DETAILS
3. EXISTING EQUIPMENT AND FENCE OMITTED FOR CLARITY.



PROPOSED NORTH ELEVATION

8' 4' 0 8' 16'
1/8"=1'-0"

1



NOTE: AZIMUTHS ARE TENTATIVE AND NEED TO BE CONFIRMED PRIOR TO CONSTRUCTION.

ANTENNA LAYOUT

12" 6" 0 1' 2' 3'
3/4"=1'-0"

2

SECTOR	POSITION	ANTENNA						TRANSMISSION CABLE
		EXISTING OR PROPOSED	MANUFACTURER – MODEL NUMBER	TECHNOLOGY	SIZE (HxW)	AZIMUTH	RAD CENTER	FEED LINE TYPE AND LENGTH
ALPHA	A1	PROPOSED	JMA WIRELESS-MX08FRO665-21	5G	72.0" x 20.0"	60°	78'-0"	(1) HIGH-CAPACITY HYBRID CABLE (125' LONG)
BETA	B1	PROPOSED	JMA WIRELESS-MX08FRO665-21	5G	72.0" x 20.0"	180°	78'-0"	
GAMMA	C1	PROPOSED	JMA WIRELESS-MX08FRO665-21	5G	72.0" x 20.0"	300°	78'-0"	

SECTOR	POSITION	RRH	
		MANUFACTURER – MODEL NUMBER	TECHNOLOGY
ALPHA	A1	FUJITSU – TA08025-B605	5G
	A1	FUJITSU – TA08025-B604	5G
BETA	B1	FUJITSU – TA08025-B605	5G
	B1	FUJITSU – TA08025-B604	5G
GAMMA	C1	FUJITSU – TA08025-B605	5G
	C1	FUJITSU – TA08025-B604	5G

NOTES

1. CONTRACTOR TO REFER TO FINAL CONSTRUCTION RFDS FOR ALL RF DETAILS.
2. ANTENNA AND RRH MODELS MAY CHANGE DUE TO EQUIPMENT AVAILABILITY. ALL EQUIPMENT CHANGES MUST BE APPROVED AND REMAIN IN COMPLIANCE WITH THE PROPOSED DESIGN AND STRUCTURAL ANALYSES.

OVP		
EXISTING OR PROPOSED	MANUFACTURER – MODEL NUMBER	SIZE (HxWxD)
PROPOSED	RAYCAP-RDIDC-9181-PF-48	16"x14"x8"

ANTENNA SCHEDULE

NO SCALE

3

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No. 23924
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9/22/21

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/22

DRAWN BY:	CHECKED BY:	APPROVED BY:
MLM	CDW	DAS

RFDS REV #: 3

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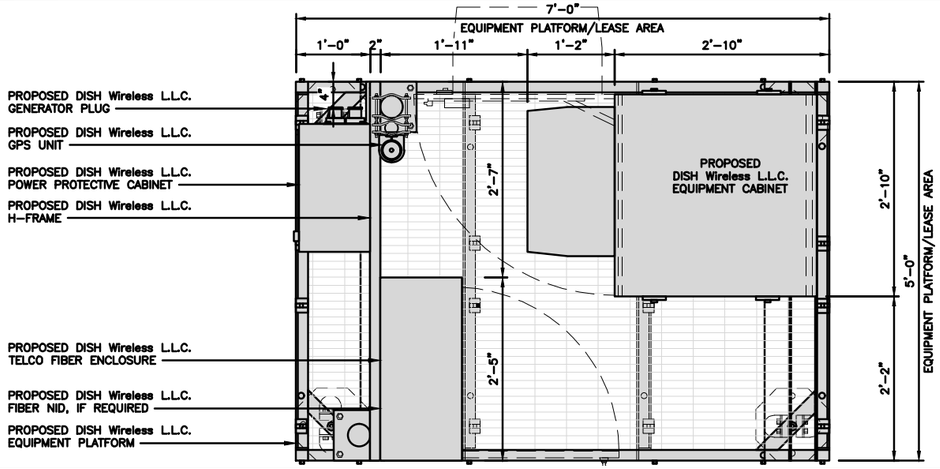
A&E PROJECT NUMBER
153914.001.01

DISH Wireless L.L.C.
PROJECT INFORMATION
NJJER01130A
1069 CONNECTICUT AVENUE
BRIDGEPORT, CT 06607

SHEET TITLE
ELEVATION, ANTENNA LAYOUT AND SCHEDULE

SHEET NUMBER
A-2



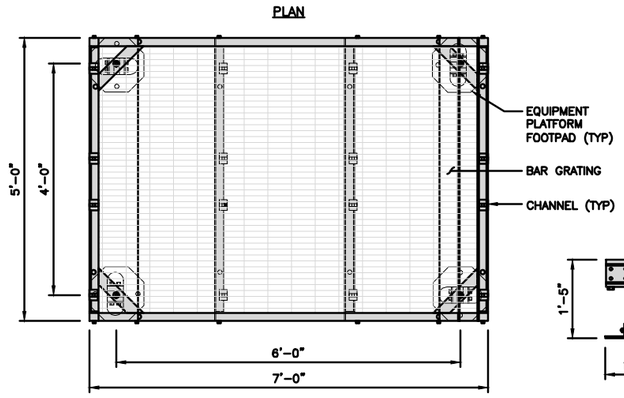
PLATFORM EQUIPMENT PLAN

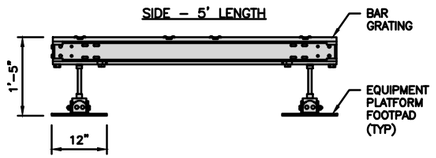
12" 9" 6" 3" 0 1' 2'
1"=1'-0"

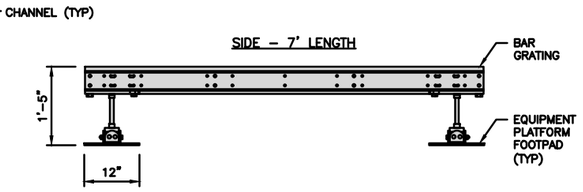
1

COMMSCOPE MTC4045LP 5X7 PLATFORM	
DIMENSIONS (HxWxD)	16"x84"x60"
TOTAL WEIGHT	423 LBS

NOTE:
GC TO PROVIDE EXTENDED THREAD FOR PLATFORM IF REQUIRED HEIGHT EXCEEDS 17"

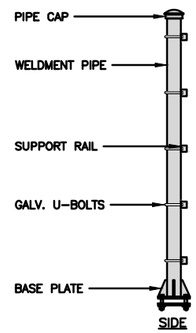






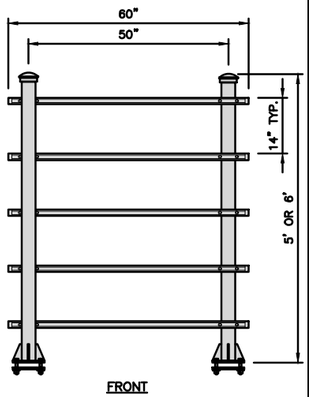
PLATFORM DETAIL | NO SCALE | 2

COMMSCOPE MTC4045HFLD H-FRAME	
UNISTRUT/SUPPORT RAILS QTY	5
WEIGHT	59.74 lbs



SIDE

NOTE:
OR DISH Wireless L.L.C. APPROVED EQUIVALENT



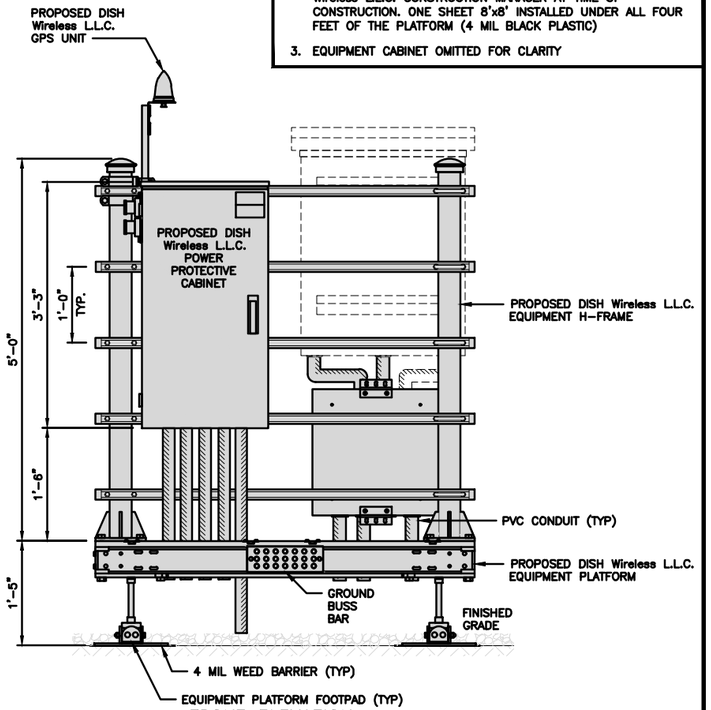
FRONT

H-FRAME DETAIL | NO SCALE | 3

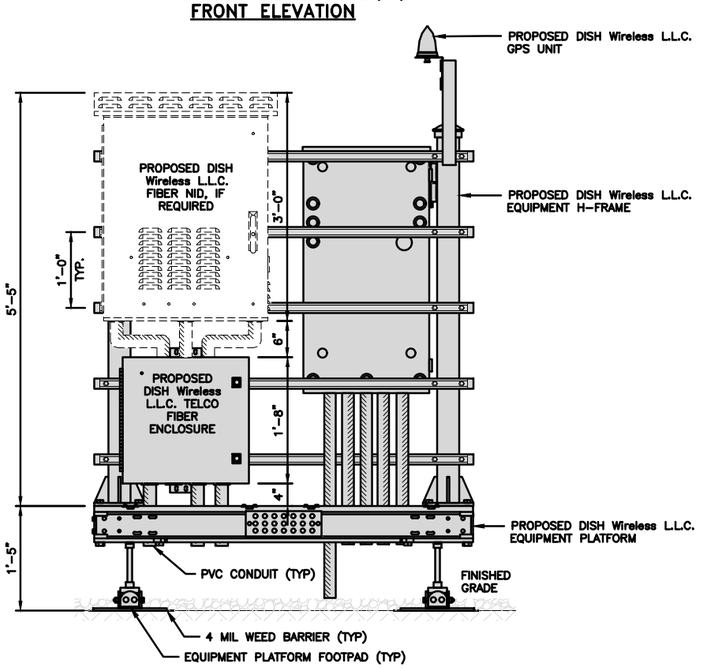
NOT USED | NO SCALE | 4

NOTES

1. CONTRACTOR TO BURY PLATFORM FEET WITH A MINIMUM OF 2" OF FILL PER EXISTING SITE SURFACE
2. WEED BARRIER FABRIC TO BE ADDED AT DISCRETION OF DISH Wireless L.L.C. CONSTRUCTION MANAGER AT TIME OF CONSTRUCTION. ONE SHEET 8'x8' INSTALLED UNDER ALL FOUR FEET OF THE PLATFORM (4 MIL BLACK PLASTIC)
3. EQUIPMENT CABINET OMITTED FOR CLARITY



FRONT ELEVATION



BACK ELEVATION

H-FRAME EQUIPMENT ELEVATION | 12" 9" 6" 3" 0 1' 2' 1"=1'-0" | 5

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STATE OF CONNECTICUT * CHAD WHITE * No. 23924 LICENSED PROFESSIONAL ENGINEER *
9/22/21

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/22

DRAWN BY:	CHECKED BY:	APPROVED BY:
MLM	CDW	DAS

RFDS REV #: 3

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A&E PROJECT NUMBER
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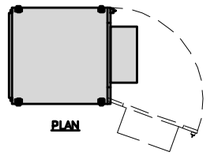
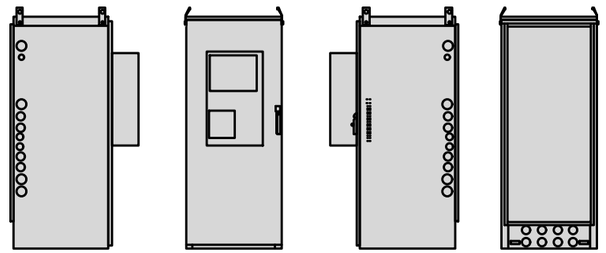
DISH Wireless L.L.C.
PROJECT INFORMATION
NJJER01130A
1069 CONNECTICUT AVENUE
BRIDGEPORT, CT 06607

SHEET TITLE
EQUIPMENT PLATFORM AND H-FRAME DETAILS

SHEET NUMBER
A-3

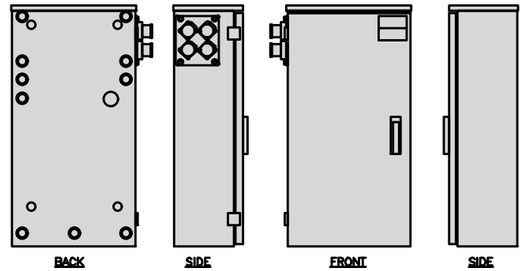
ENERSYS HVAC CABINET 2000005995	
DIMENSIONS (HxWxD):	73"x30"x32"
WEIGHT EMPTY:	371 lbs
HVAC	600W
POWER SYSTEM	-48V ALPHA/600A





CABINET DETAIL | NO SCALE | 1

RAYCAP PPC RDIAC-2465-P-240-MTS	
ENCLOSURE DIMENSIONS (HxWxD):	39"x22.855"x12.593
WEIGHT:	80 lbs
OPERATING AC VOLTAGE	240/120 1 PHASE 3W+G

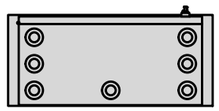


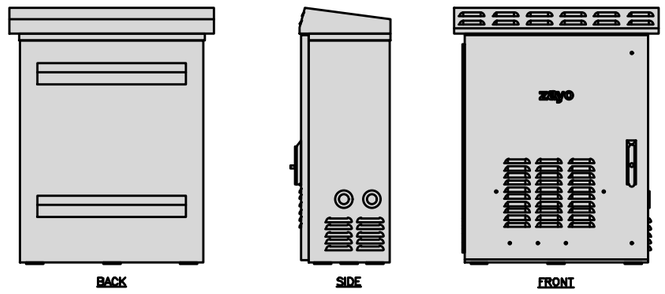
POWER PROTECTION CABINET (PPC) DETAIL | NO SCALE | 2

NOT USED | NO SCALE | 3

NOT USED | NO SCALE | 4

ZAYO 5RU (LEFT SWING DOOR) FIBER NID ENCLOSURE	
DIMENSIONS (HxWxD)	36.1"x29"x12.9"
WEIGHT	85 lbs





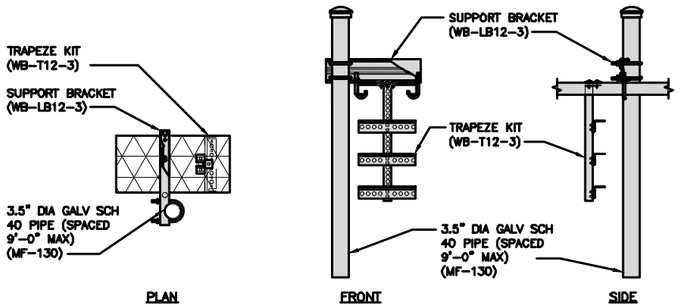
FIBER NID ENCLOSURE DETAIL | NO SCALE | 5

CHARLES CFIT-PF2020DSH1 FIBER TELCO ENCLOSURE	
ENCLOSURE DIMS (HxWxD)	20"x20"x9"
ENCLOSURE WEIGHT	20 lbs
MOUNTING	WALL
COMPLIANCE	TYPE 4

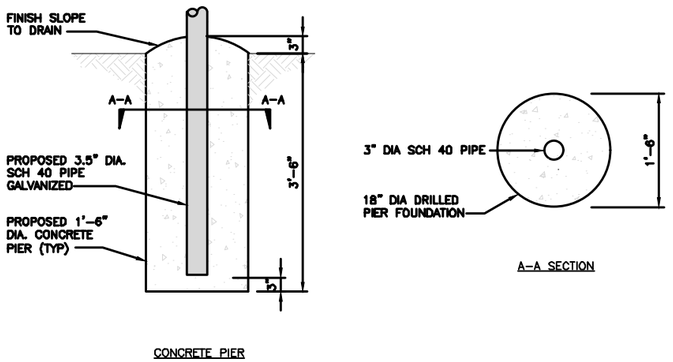
FIBER TELCO ENCLOSURE DETAIL | NO SCALE | 6

COMMSCOPE WB-K110-B WAVEGUIDE BRIDGE KIT	
DIMENSIONS (HxL)	160"x10'
WEIGHT/ VOLUME	325.0 LBS
CABLE RUN (QTY)	12

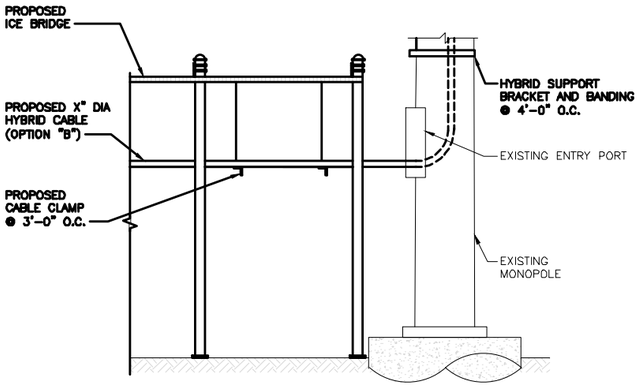
INCLUDED PRODUCTS:	WB-T12-3 TRAPEZE KIT, 3 RUNGS
	WB-LB12-3 SUPPORT BRACKET
	MF-130 DIRECT BURIAL PIPE COLUMN, 13'-4"



ICE BRIDGE DETAIL | NO SCALE | 7



TYPICAL ICE BRIDGE CONCRETE PIER DETAIL | NO SCALE | 8



HYBRID CABLE RUN | NO SCALE | 9

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DISH Wireless L.L.C.
PROJECT INFORMATION

NJJER01130A
1069 CONNECTICUT AVENUE
BRIDGEPORT, CT 06607

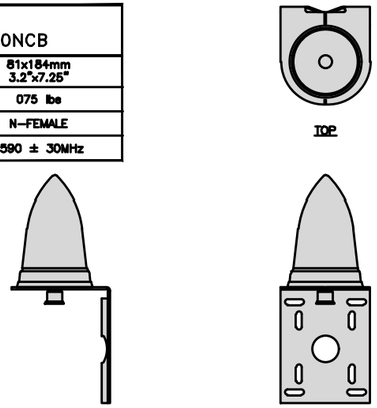
SHEET TITLE

EQUIPMENT DETAILS

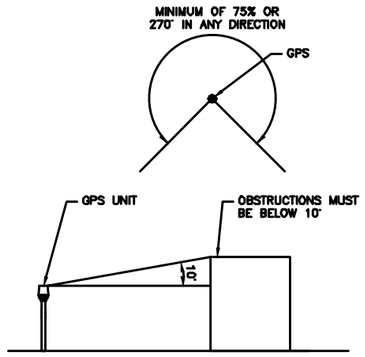
SHEET NUMBER

A-4

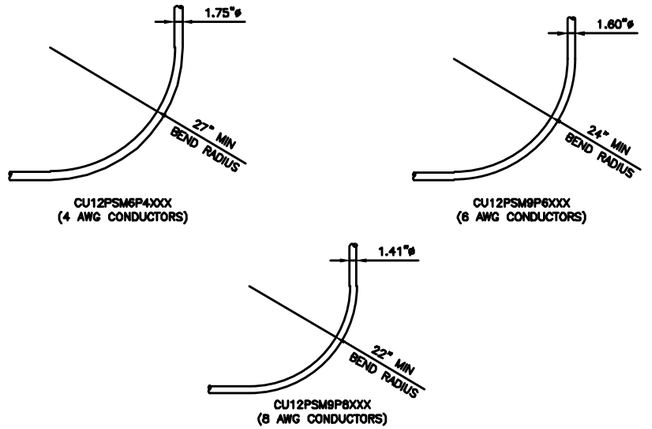
PCTEL GPSGL-TMG-SPI-40NCB	
DIMENSIONS (DIAxH) MM/INCH	81x184mm 3.2"x7.25"
WEIGHT W/ACCESSORIES	075 lbs
CONNECTOR	N-FEMALE
FREQUENCY RANGE	1590 ± 30MHz



GPS DETAIL | NO SCALE | 1



GPS MINIMUM SKY VIEW REQUIREMENTS | NO SCALE | 2



CABLES UNLIMITED HYBRID CABLE MINIMUM BEND RADIUSES | NO SCALE | 3

NOT USED | NO SCALE | 4

NOT USED | NO SCALE | 5

NOT USED | NO SCALE | 6

NOT USED | NO SCALE | 7

NOT USED | NO SCALE | 8

NOT USED | NO SCALE | 9

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PEC.0001564
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RFDS REV #: 3

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A&E PROJECT NUMBER

153914.001.01

DISH Wireless L.L.C.
PROJECT INFORMATION

NJJER01130A
1069 CONNECTICUT AVENUE
BRIDGEPORT, CT 06607

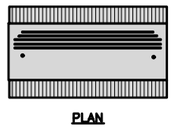
SHEET TITLE

EQUIPMENT DETAILS

SHEET NUMBER

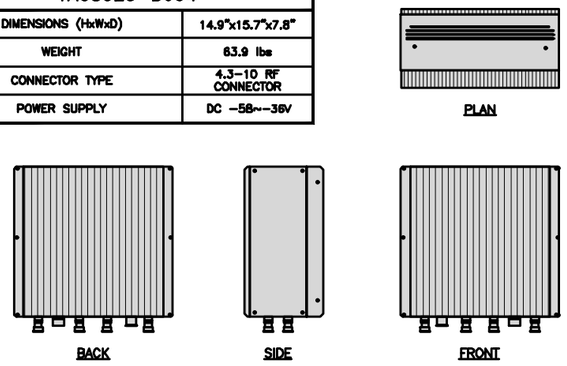
A-5

FUJITSU TRIPLE BAND TA08025-B605	
DIMENSIONS (HxWxD)	14.9"x15.7"x9"
WEIGHT	74.95 lbs
CONNECTOR TYPE	4.3-10 RF CONNECTOR
POWER SUPPLY	DC -58~-36V



RRH DETAIL | NO SCALE | 1

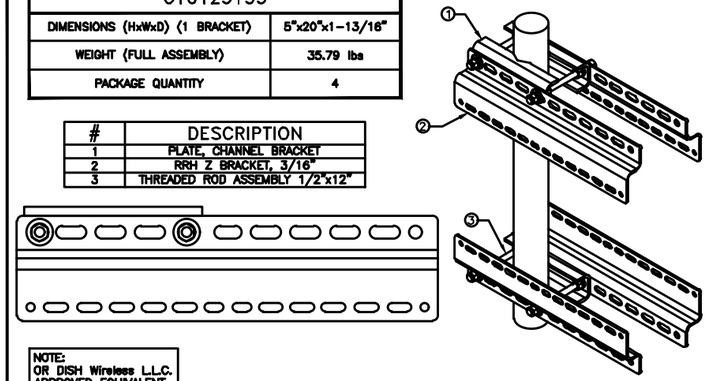
FUJITSU DUAL BAND TA08025-B604	
DIMENSIONS (HxWxD)	14.9"x15.7"x7.8"
WEIGHT	63.9 lbs
CONNECTOR TYPE	4.3-10 RF CONNECTOR
POWER SUPPLY	DC -58~-36V



RRH DETAIL | NO SCALE | 2

SABRE DOUBLE Z-BRACKET C10123155	
DIMENSIONS (HxWxD) (1 BRACKET)	5"x20"x1-13/16"
WEIGHT (FULL ASSEMBLY)	35.79 lbs
PACKAGE QUANTITY	4

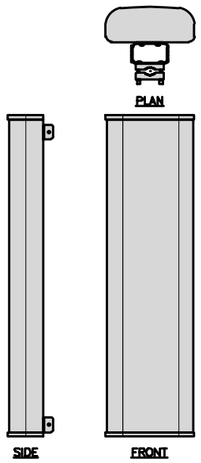
#	DESCRIPTION
1	PLATE, CHANNEL BRACKET
2	RRH Z BRACKET, 3/16"
3	THREADED ROD ASSEMBLY 1/2"x12"



NOTE:
OR DISH Wireless L.L.C.
APPROVED EQUIVALENT

RRH MOUNT DETAIL | NO SCALE | 3

JMA MX08FRO665-21	
DIMENSIONS (HxWxD)	72"x20.0"x8.0"
RF PORTS, CONNECTOR TYPE	8 x 4.3-10 FEMALE
WEIGHT	64.5 lbs
WEIGHT WITH BRACKETS	82.5 lbs



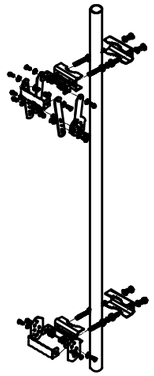
ANTENNA DETAIL | NO SCALE | 4

NOT USED | NO SCALE | 5

JMA ANTENNA MOUNT BRACKET #91900318	
TOTAL WEIGHT (WITH BRACKETS)	18 lbs (8.18 Kg)
POLE DIAMETER RANGE	2.5" TO 4.5"

NOTE:
KIT #91900318: TOP AND BOTTOM BRACKETS FOR 4-,6-, AND 8-FOOT ANTENNAS

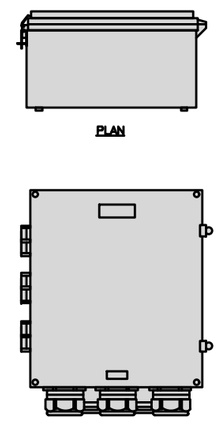
ANTENNA BRACKET NOT PART OF KIT



NOTE:
OR DISH Wireless L.L.C.
APPROVED EQUIVALENT

ANTENNA BRACKET DETAIL | NO SCALE | 6

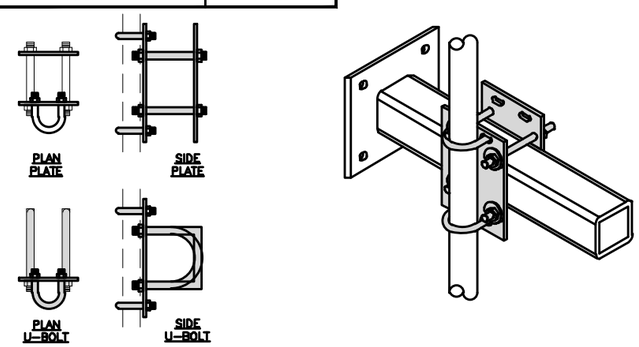
RAYCAP RDIDC-9181-PF-48 DC SURGE PROTECTION (OVP)	
DIMENSIONS (HxWxD)	18.98"x14.39"x8.15"
WEIGHT	21.82 LBS



SURGE SUPPRESSION DETAIL (OVP) | NO SCALE | 7

COMMSCOPE XP-2040 CROSSOVER PLATE	
DIMENSIONS (HxW)	10"x12"
WEIGHT	11 lbs

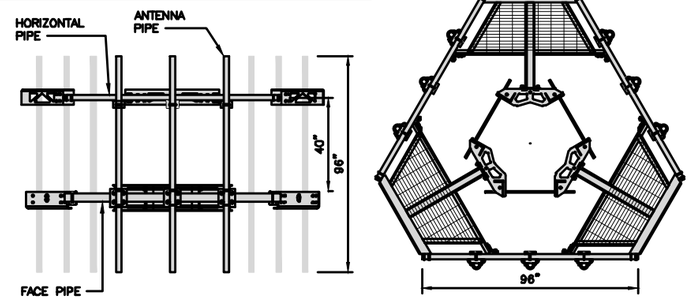
NOTE:
OR DISH Wireless L.L.C.
APPROVED EQUIVALENT



RRH/OVP MOUNT DETAIL | NO SCALE | 8

COMMSCOPE MC-PK8-DSH	
FACE WIDTH	96"
WEIGHT	1373.08 lbs
NOTE: 15" TO 38" O.D.	

NOTE:
OR DISH Wireless L.L.C.
APPROVED EQUIVALENT



ANTENNA PLATFORM DETAIL | NO SCALE | 9

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STATE OF CONNECTICUT
CHAD DAVID WILLEY
No. 23924
LICENSED PROFESSIONAL ENGINEER
9/22/21

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/22

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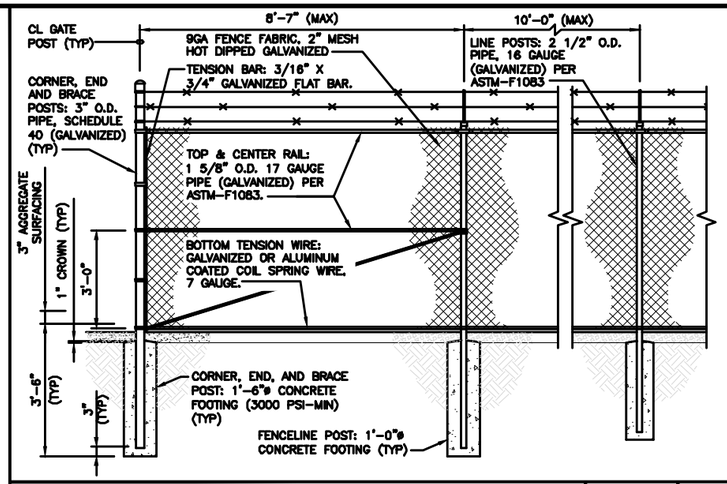
DISH Wireless L.L.C.
PROJECT INFORMATION
NJJER01130A
1069 CONNECTICUT AVENUE
BRIDGEPORT, CT 06607

SHEET TITLE
EQUIPMENT DETAILS

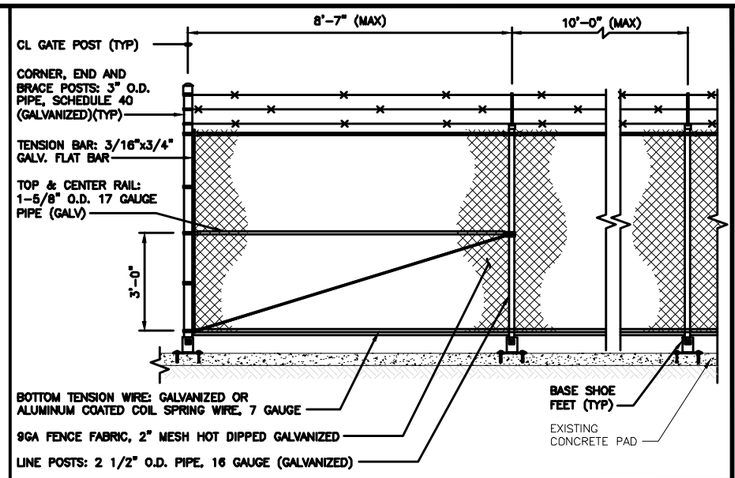
SHEET NUMBER
A-6

1. LINE POSTS: 2 1/2" O.D. PIPE, 16 GAUGE (GALVANIZED) PER ASTM-F1083.
2. CORNER, END AND BRACE POSTS: 3" O.D. PIPE, SCHEDULE 40 (GALVANIZED).
3. TOP RAIL: 1 5/8" O.D. 17 GAUGE PIPE (GALVANIZED) PER ASTM-F1083.
4. BRACE RAIL: 1 5/8" O.D. 17 GAUGE PIPE (GALVANIZED).
5. DIAGONAL TRUSS ROD: 3/8" GALVANIZED ROD WITH TURNBUCKLE.
6. TENSION BAR: 3/16" X 3/4" GALVANIZED FLAT BAR.
7. BOTTOM TENSION WIRE: GALVANIZED OR ALUMINUM COATED COIL SPRING WIRE, 7 GAUGE.
8. GATE POSTS: 2 7/8" O.D. SCHEDULE 40 PIPE (GALVANIZED).
9. COMBINATION PADLOCK ACCORDING TO DISH WIRELESS REQUIREMENTS.
10. GATE FRAMES: 1 7/8" O.D. SCHEDULE 40 PIPE (GALVANIZED).
11. BARBED WIRE SUPPORT ARM: SINGLE ARM TYPE (GALVANIZED). ARM SHALL BE INCLINED OUTWARD AT AN ANGLE OF 45 DEGREES.
12. BARBED WIRE: GALVANIZED, ASTM A121 CLASS 3; THREE 14 GAUGE MINIMUM STEEL WIRES WITH 4 POINT ROUND 14 GAUGE BARBS SPACED 4" APART.
13. 9GA FENCE FABRIC, 2" MESH HOT DIPPED GALVANIZED
14. MISCELLANEOUS:
    - A. RAIL COUPLINGS: SLEEVE TYPE, 6" LONG EXPANSION SPRING EVERY FIFTH COUPLING.
    - B. POST TOPS: PRESSED STEEL, MALLEABLE IRON WITH PRESSED STEEL EXTENSION ARM, OR ONE-PIECE ALUMINUM CASTING; WITH HOLE FOR TOP, ALL DESIGNED TO FIT OVER THE OUTSIDE OF THE POSTS AND TO PREVENT ENTRY OF MOISTURE INTO TUBULAR POSTS.
    - C. LATCHES SHALL BE FORKED TYPE AND SHALL BE ARRANGED FOR PADLOCKING WITH THE PADLOCK ACCESSIBLE FROM BOTH SIDES OF THE GATE.
    - D. KEEPERS SHALL CONSIST OF MECHANICAL DEVICES FOR SECURING AND SUPPORTING THE FREE END OF THE GATES WHEN IN THE FULL OPEN POSITION. KEEPERS SHALL BE MOUNTED ON 2 7/8" O.D. PIPE POSTS FILLED WITH CONCRETE AND SET IN CONCRETE FOUNDATIONS.
    - E. INSTALL FENCING PER ASTM-F567.
    - F. INSTALL SWING GATES PER ASTM-F900.
    - G. LOCAL ORDINANCE OF BARBED WIRE PERMIT REQUIREMENT SHALL BE COMPLETED IF REQUIRED.
    - H. USE GALVANIZED HOG RING WIRE TO MOUNT ALL SIGNS.
    - I. ALL SIGNS MUST BE MOUNTED ON INSIDE OF FENCE.

MATERIAL DESCRIPTION | NO SCALE | 1



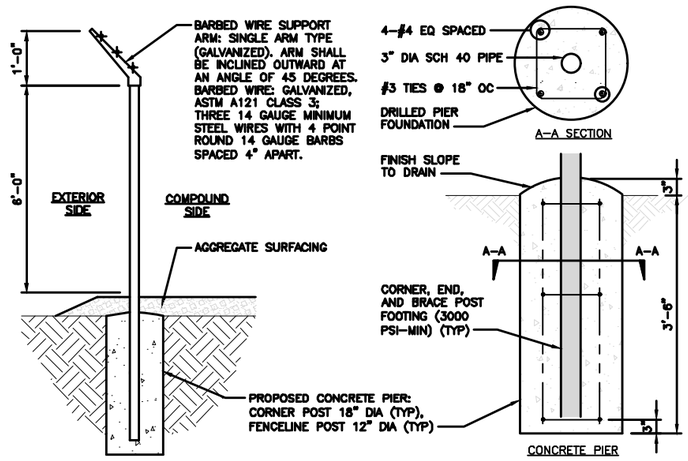
TYPICAL FENCE DETAIL | NO SCALE | 2



TYPICAL FENCE ELEVATION DETAIL | NO SCALE | 3

NOT USED | NO SCALE | 4

NOT USED | NO SCALE | 5



TYPICAL FENCE & CONCRETE PIER SECTION | NO SCALE | 6

NOT USED | NO SCALE | 7

NOT USED | NO SCALE | 8

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9/22/21

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/22

DRAWN BY:	CHECKED BY:	APPROVED BY:
MLM	CDW	DAS

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DISH Wireless L.L.C.
PROJECT INFORMATION
NJJER01130A
1069 CONNECTICUT AVENUE
BRIDGEPORT, CT 06607

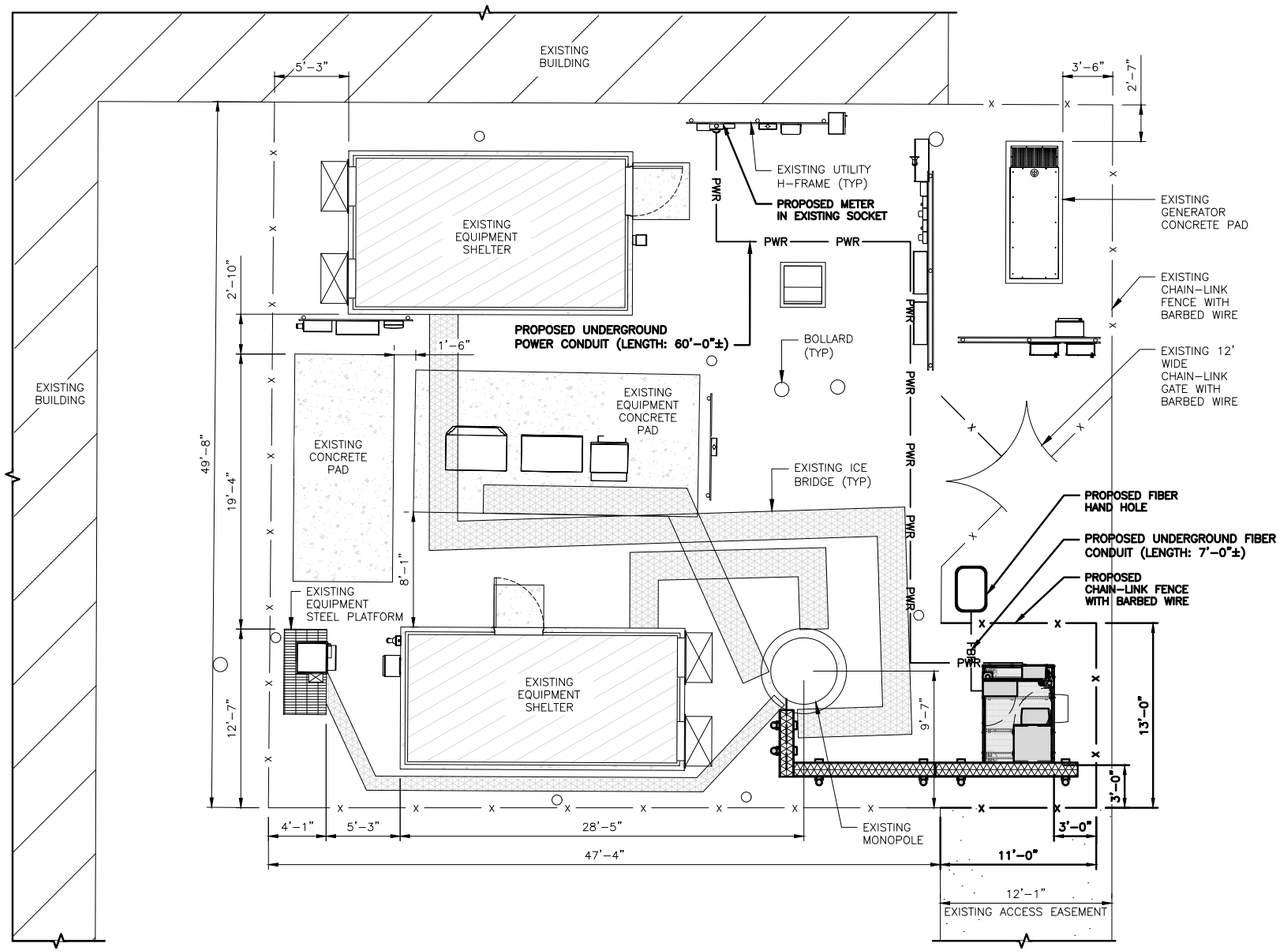
SHEET TITLE
COMPOUND DETAILS

SHEET NUMBER
A-7

FINAL POWER OR FIBER DESIGN NOT AVAILABLE AT TIME OF ISSUE

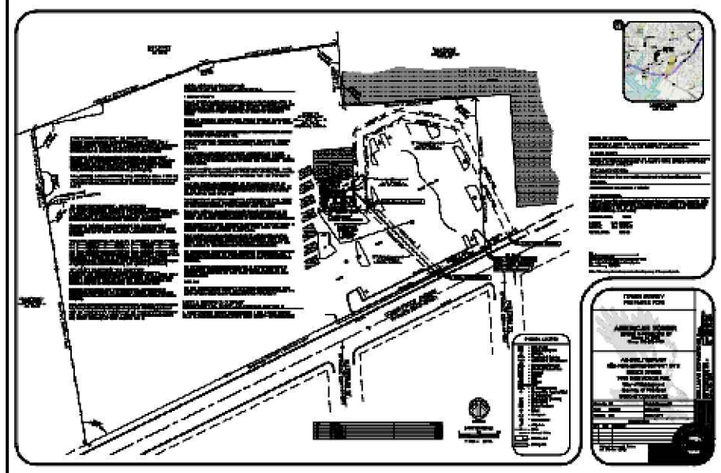
NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL PROPOSED UNDERGROUND UTILITY CONDUIT ROUTE.
2. ANTENNAS AND MOUNTS OMITTED FOR CLARITY.



DC POWER WIRING SHALL BE COLOR CODED AT EACH END FOR IDENTIFYING +24V AND −48V CONDUCTORS. RED MARKINGS SHALL IDENTIFY +24V AND BLUE MARKINGS SHALL IDENTIFY −48V.

1. CONTRACTOR SHALL INSPECT THE EXISTING CONDITIONS PRIOR TO SUBMITTING A BID. ANY QUESTIONS ARISING DURING THE BID PERIOD IN REGARDS TO THE CONTRACTOR'S FUNCTIONS, THE SCOPE OF WORK, OR ANY OTHER ISSUE RELATED TO THIS PROJECT SHALL BE BROUGHT UP DURING THE BID PERIOD WITH THE PROJECT MANAGER FOR CLARIFICATION, NOT AFTER THE CONTRACT HAS BEEN AWARDED.
2. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH CURRENT NATIONAL ELECTRICAL CODES AND ALL STATE AND LOCAL CODES, LAWS, AND ORDINANCES. PROVIDE ALL COMPONENTS AND WIRING SIZES AS REQUIRED TO MEET NEC STANDARDS.
3. LOCATION OF EQUIPMENT, CONDUIT AND DEVICES SHOWN ON THE DRAWINGS ARE APPROXIMATE AND SHALL BE COORDINATED WITH FIELD CONDITIONS PRIOR TO CONSTRUCTION.
4. CONDUIT ROUGH-IN SHALL BE COORDINATED WITH THE MECHANICAL EQUIPMENT TO AVOID LOCATION CONFLICTS. VERIFY WITH THE MECHANICAL EQUIPMENT CONTRACTOR AND COMPLY AS REQUIRED.
5. CONTRACTOR SHALL PROVIDE ALL BREAKERS, CONDUITS AND CIRCUITS AS REQUIRED FOR A COMPLETE SYSTEM.
6. CONTRACTOR SHALL PROVIDE PULL BOXES AND JUNCTION BOXES AS REQUIRED BY THE NEC ARTICLE 314.
7. CONTRACTOR SHALL PROVIDE ALL STRAIN RELIEF AND CABLE SUPPORTS FOR ALL CABLE ASSEMBLIES. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
8. ALL DISCONNECTS AND CONTROLLING DEVICES SHALL BE PROVIDED WITH ENGRAVED PHENOLIC NAMEPLATES INDICATING EQUIPMENT CONTROLLED, BRANCH CIRCUITS INSTALLED ON, AND PANEL FIELD LOCATIONS FED FROM.
9. INSTALL AN EQUIPMENT GROUNDING CONDUCTOR IN ALL CONDUITS PER THE SPECIFICATIONS AND NEC 250. THE EQUIPMENT GROUNDING CONDUCTORS SHALL BE BONDED AT ALL JUNCTION BOXES, PULL BOXES, AND ALL DISCONNECT SWITCHES, AND EQUIPMENT CABINETS.
10. ALL NEW MATERIAL SHALL HAVE A U.L. LABEL.
11. PANEL SCHEDULE LOADING AND CIRCUIT ARRANGEMENTS REFLECT POST-CONSTRUCTION EQUIPMENT.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR AS-BUILT PANEL SCHEDULE AND SITE DRAWINGS.
13. ALL TRENCHES IN COMPOUND TO BE HAND DUG.
14. THE SURVEY PROVIDED ON THIS SHEET IS PROVIDED FOR REFERENCE ONLY, THE UTILITY ROUTE AND EXISTING EASEMENT MUST BE VERIFIED PRIOR TO CONSTRUCTION.



UTILITY ROUTE PLAN

6' 4' 2' 0 5' 10'
3/16"=1'-0"

1

ELECTRICAL NOTES

NO SCALE

2

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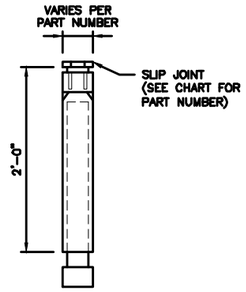
BRIDGEPORT, CT 06607

SHEET TITLE
ELECTRICAL/FIBER ROUTE PLAN AND NOTES

SHEET NUMBER
E-1

CARLON EXPANSION FITTINGS

COUPLING END PART#	MALE TERMINAL ADAPTER END PART#	SIZE	STD CTN QTY.	TRAVEL LENGTH
E945D	E945DX	1/2"	20	4"
E945E	E945EX	3/4"	15	4"
E945F	E945FX	1"	10	4"
E945G	E945GX	1 1/4"	5	4"
E945H	E945HX	1 1/2"	5	4"
E945J	E945JX	2"	15	8"
E945K	E945KX	2 1/2"	10	8"
E945L	E945LX	3"	10	8"
E945M	E945MX	3 1/2"	5	8"
E945N	E945NX	4"	5	8"
E945P	E945PX	5"	1	8"
E945R	E945RX	6"	1	8"

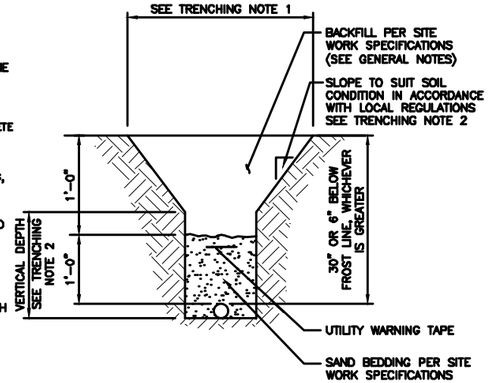


NOTE:
CONTRACTOR TO INSTALL EXPANSION FITTING SLIP JOINT AT METER CENTER CONDUIT TERMINATION, AS PER LOCAL UTILITY POLICY, ORDINANCE AND/OR SPECIFIED REQUIREMENT.

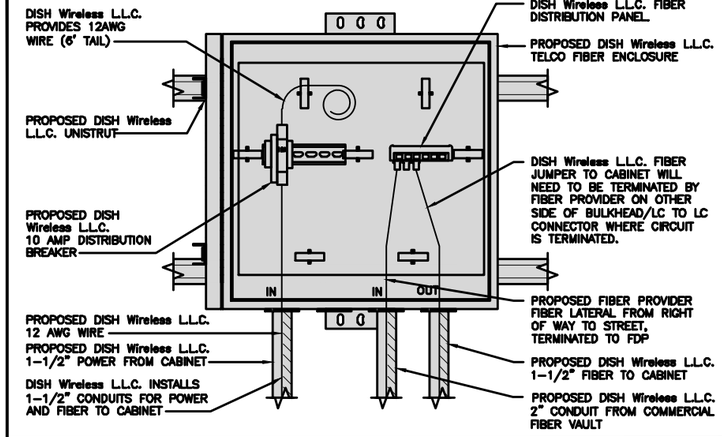
EXPANSION JOINT DETAIL | NO SCALE | 1

TRENCHING NOTES

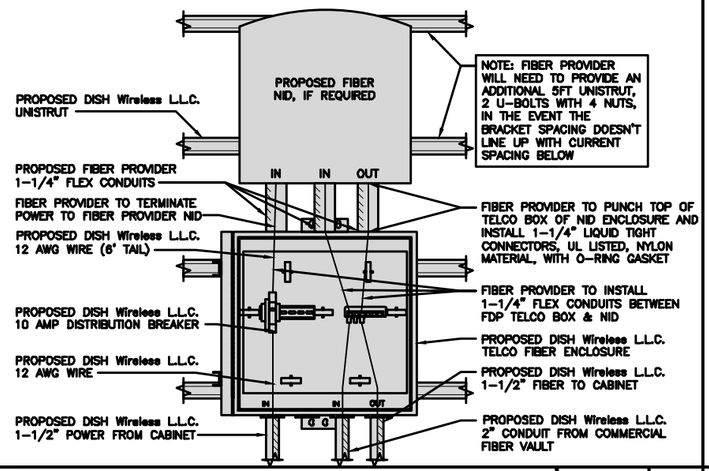
1. CONTRACTOR SHALL RESTORE THE TRENCH TO ITS ORIGINAL CONDITIONS BY EITHER SEEDING OR SODDING GRASS AREAS, OR REPLACING ASPHALT OR CONCRETE AREAS TO ITS ORIGINAL CROSS SECTION.
2. TRENCHING SAFETY; INCLUDING, BUT NOT LIMITED TO SOIL CLASSIFICATION, SLOPING, AND SHORING, SHALL BE GOVERNED BY THE CURRENT OSHA TRENCHING AND EXCAVATION SAFETY STANDARDS.
3. ALL CONDUITS SHALL BE INSTALLED IN COMPLIANCE WITH THE CURRENT NATIONAL ELECTRIC CODE (NEC) OR AS REQUIRED BY THE LOCAL JURISDICTION, WHICHEVER IS THE MOST STRINGENT.



TYPICAL UNDERGROUND TRENCH DETAIL | NO SCALE | 2



DARK TELCO BOX – INTERIOR WIRING LAYOUT | NO SCALE | 3



LIT TELCO BOX – INTERIOR WIRING LAYOUT (OPTIONAL) | NO SCALE | 4

NOT USED | NO SCALE | 5

NOT USED | NO SCALE | 6

NOT USED | NO SCALE | 7

NOT USED | NO SCALE | 8

NOT USED | NO SCALE | 9

DISH Wireless L.L.C. TEMPLATE VERSION 37 – 07/09/2021

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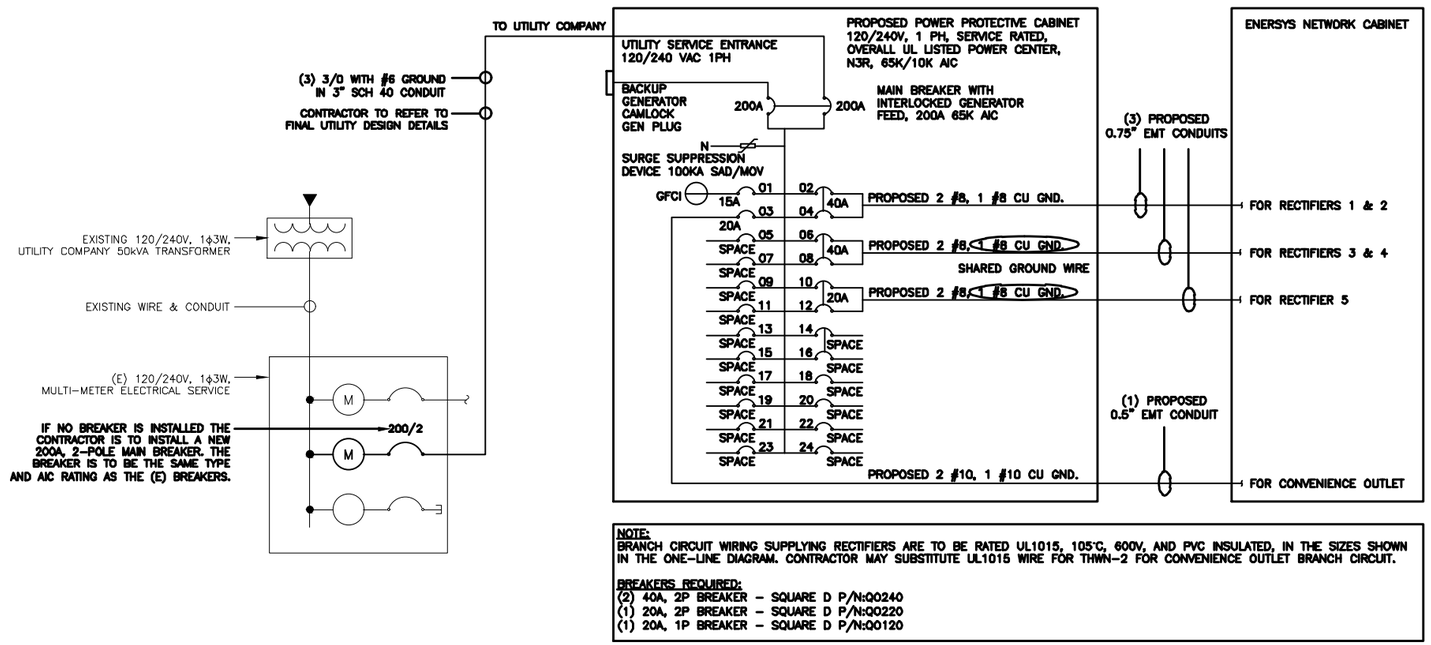
SHEET NUMBER
E-2



NOTE:
BRANCH CIRCUIT WIRING SUPPLYING RECTIFIERS ARE TO BE RATED UL1015, 105°C, 600V, AND PVC INSULATED, IN THE SIZES SHOWN IN THE ONE-LINE DIAGRAM. CONTRACTOR MAY SUBSTITUTE UL1015 WIRE FOR THWN-2 FOR CONVENIENCE OUTLET BRANCH CIRCUIT.

BREAKERS REQUIRED:
(2) 40A, 2P BREAKER - SQUARE D P/N:QO240
(1) 20A, 2P BREAKER - SQUARE D P/N:QO220
(1) 20A, 1P BREAKER - SQUARE D P/N:QO120

NOTES

CONDUIT SIZING: AT 40% FILL PER NEC CHAPTER 9, TABLE 4, ARTICLE 358.
0.5" CONDUIT - 0.122 SQ. IN AREA
0.75" CONDUIT - 0.213 SQ. IN AREA
2.0" CONDUIT - 1.316 SQ. IN AREA
3.0" CONDUIT - 2.907 SQ. IN AREA

CABINET CONVENIENCE OUTLET CONDUCTORS (1 CONDUIT): USING THWN-2, CU.

#10 - 0.0211 SQ. IN X 2 =	0.0422 SQ. IN
#10 - 0.0211 SQ. IN X 1 =	0.0211 SQ. IN <GROUND
TOTAL =	0.0633 SQ. IN

0.5" EMT CONDUIT IS ADEQUATE TO HANDLE THE TOTAL OF (3) WIRES, INCLUDING GROUND WIRE, AS INDICATED ABOVE.

RECTIFIER CONDUCTORS (3 CONDUITS): USING UL1015, CU.

#8 - 0.0552 SQ. IN X 2 =	0.1103 SQ. IN
#8 - 0.0131 SQ. IN X 1 =	0.0131 SQ. IN <BARE GROUND
TOTAL =	0.1234 SQ. IN

0.75" EMT CONDUIT IS ADEQUATE TO HANDLE THE TOTAL OF (3) WIRES, INCLUDING GROUND WIRE, AS INDICATED ABOVE.

PPC FEED CONDUCTORS (1 CONDUIT): USING THWN, CU.

3/0 - 0.2679 SQ. IN X 3 =	0.8037 SQ. IN
#6 - 0.0507 SQ. IN X 1 =	0.0507 SQ. IN <GROUND
TOTAL =	0.8544 SQ. IN

3.0" SCH 40 PVC CONDUIT IS ADEQUATE TO HANDLE THE TOTAL OF (4) WIRES, INCLUDING GROUND WIRE, AS INDICATED ABOVE.

PPC ONE-LINE DIAGRAM — NO SCALE — 1

PROPOSED ENERSYS PANEL SCHEDULE

LOAD SERVED	VOLT AMPS (WATTS) L1	VOLT AMPS (WATTS) L2	TRIP	CKT #	PHASE	CKT #	TRIP	VOLT AMPS (WATTS) L1	VOLT AMPS (WATTS) L2	LOAD SERVED
PPC GFCI OUTLET	180		15A	1	A	2	40A	3840		ENERSYS ALPHA CORDEX RECTIFIERS 1 & 2
ENERSYS GFCI OUTLET		180	20A	3	B	4			3840	
-SPACE-				5	A	6	40A	3840		ENERSYS ALPHA CORDEX RECTIFIER 3 & 4
-SPACE-				7	B	8			3840	
-SPACE-				9	A	10	20A	1920		ENERSYS ALPHA CORDEX RECTIFIER 5
-SPACE-				11	B	12			1920	
-SPACE-				13	A	14				-SPACE-
-SPACE-				15	B	16				-SPACE-
-SPACE-				17	A	18				-SPACE-
-SPACE-				19	B	20				-SPACE-
-SPACE-				21	A	22				-SPACE-
-SPACE-				23	B	24				-SPACE-
VOLTAGE AMPS	180	180						9500	9500	
200A MCB, 1ϕ, 24 SPACE, 120/240V			L1		L2					
MB RATING: 65,000 AIC			9680		9680		VOLTAGE AMPS			
			81		81		AMPS			
				81			MAX AMPS			
				102			MAX 125%			

PANEL SCHEDULE — NO SCALE — 2

NOT USED — NO SCALE — 3

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STATE OF CONNECTICUT — CHAD W. TIFFANY — No. 23924 — LICENSED PROFESSIONAL ENGINEER
9/22/21

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/22

DRAWN BY:	CHECKED BY:	APPROVED BY:
MLM	CDW	DAS

RFDS REV #: 3

CONSTRUCTION DOCUMENTS

SUBMITTALS

REV	DATE	DESCRIPTION
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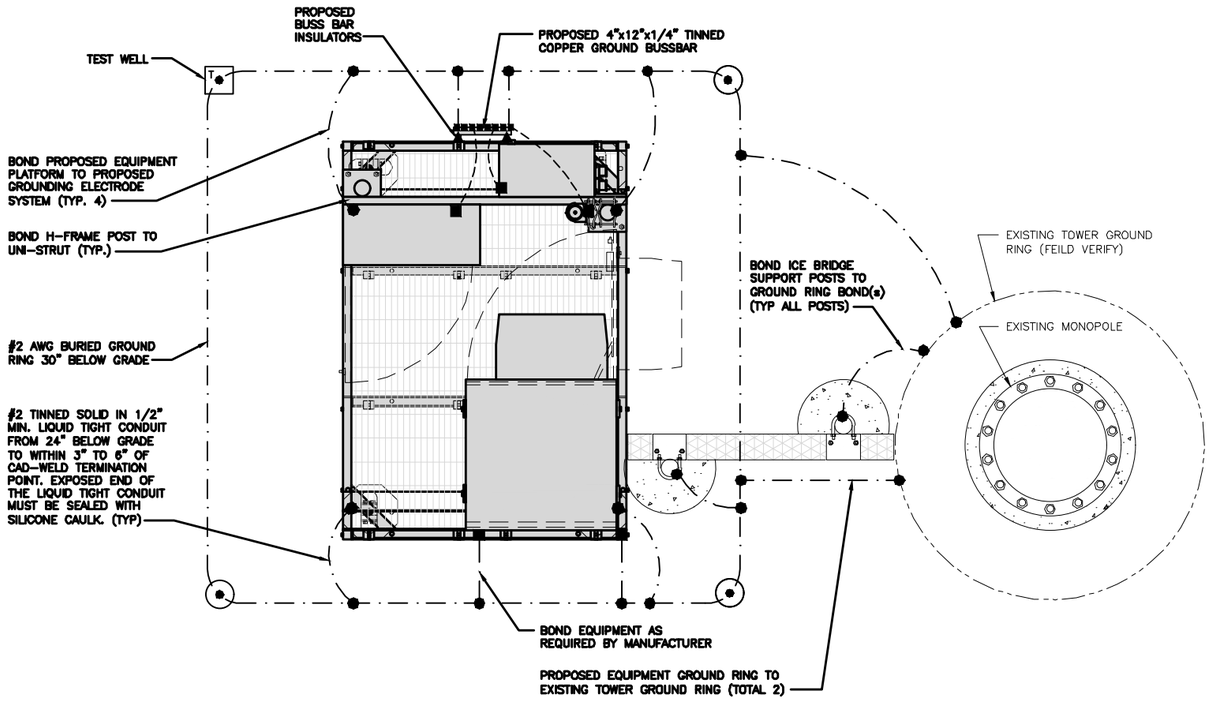
A&E PROJECT NUMBER
153914.001.01

DISH Wireless L.L.C.
PROJECT INFORMATION
NJJER01130A
1069 CONNECTICUT AVENUE
BRIDGEPORT, CT 06607

SHEET TITLE
ELECTRICAL ONE-LINE, FAULT CALCS & PANEL SCHEDULE

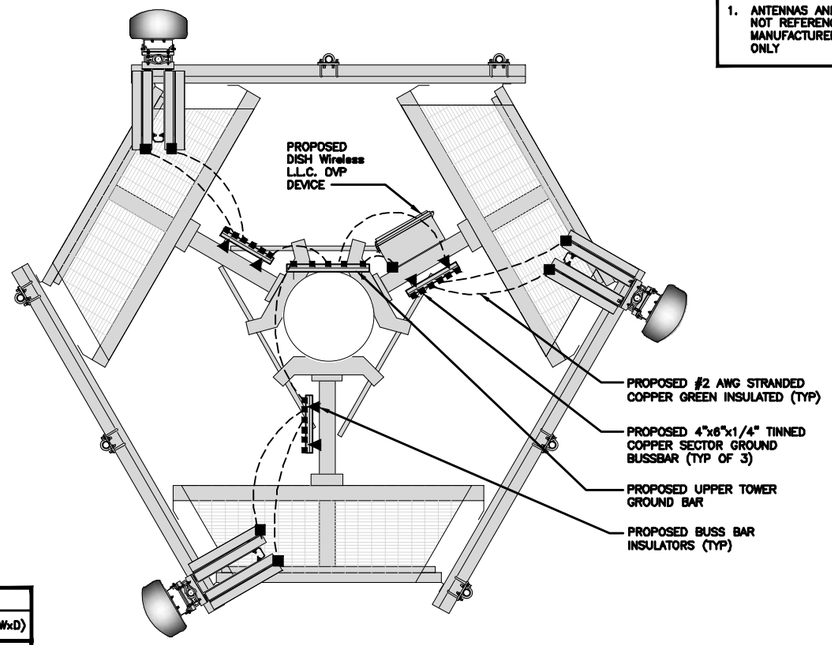
SHEET NUMBER
E-3



TYPICAL EQUIPMENT GROUNDING PLAN | NO SCALE | 1

NOTES

1. ANTENNAS AND OVP SHOWN ARE GENERIC AND NOT REFERENCING TO A SPECIFIC MANUFACTURER. THIS LAYOUT IS FOR REFERENCE ONLY



OVP		
EXISTING OR PROPOSED	MANUFACTURER - MODEL NUMBER	SIZE (HxWxD)
PROPOSED	RAYCAP-RDIDC-9181-PF-48	16"x14"x8"

TYPICAL ANTENNA GROUNDING PLAN | NO SCALE | 2

- EXOTHERMIC CONNECTION
- MECHANICAL CONNECTION
- GROUND BUS BAR
- GROUND ROD
- TEST GROUND ROD WITH INSPECTION SLEEVE
- #6 AWG STRANDED & INSULATED
- #2 AWG SOLID COPPER TINNED
- BUSS BAR INSULATOR

GROUNDING LEGEND

1. GROUNDING IS SHOWN DIAGRAMMATICALLY ONLY.
2. CONTRACTOR SHALL GROUND ALL EQUIPMENT AS A COMPLETE SYSTEM. GROUNDING SHALL BE IN COMPLIANCE WITH NEC SECTION 250 AND DISH Wireless L.L.C. GROUNDING AND BONDING REQUIREMENTS AND MANUFACTURER'S SPECIFICATIONS.
3. ALL GROUND CONDUCTORS SHALL BE COPPER; NO ALUMINUM CONDUCTORS SHALL BE USED.

GROUNDING KEY NOTES

(A) EXTERIOR GROUND RING: #2 AWG SOLID COPPER, BURIED AT A DEPTH OF AT LEAST 30 INCHES BELOW GRADE, OR 6 INCHES BELOW THE FROST LINE AND APPROXIMATELY 24 INCHES FROM THE EXTERIOR WALL OR FOOTING.

(B) TOWER GROUND RING: THE GROUND RING SYSTEM SHALL BE INSTALLED AROUND AN ANTENNA TOWER'S LEGS, AND/OR GUY ANCHORS. WHERE SEPARATE SYSTEMS HAVE BEEN PROVIDED FOR THE TOWER AND THE BUILDING, AT LEAST TWO BONDS SHALL BE MADE BETWEEN THE TOWER RING GROUND SYSTEM AND THE BUILDING RING GROUND SYSTEM USING MINIMUM #2 AWG SOLID COPPER CONDUCTORS.

(C) INTERIOR GROUND RING: #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTOR EXTENDED AROUND THE PERIMETER OF THE EQUIPMENT AREA. ALL NON-TELECOMMUNICATIONS RELATED METALLIC OBJECTS FOUND WITHIN A SITE SHALL BE GROUNDED TO THE INTERIOR GROUND RING WITH #6 AWG STRANDED GREEN INSULATED CONDUCTOR.

(D) BOND TO INTERIOR GROUND RING: #2 AWG SOLID TINNED COPPER WIRE PRIMARY BONDS SHALL BE PROVIDED AT LEAST AT FOUR POINTS ON THE INTERIOR GROUND RING, LOCATED AT THE CORNERS OF THE BUILDING.

(E) GROUND ROD: UL LISTED COPPER CLAD STEEL. MINIMUM 1/2" DIAMETER BY EIGHT FEET LONG. GROUND RODS SHALL BE INSTALLED WITH INSPECTION SLEEVES. GROUND RODS SHALL BE DRIVEN TO THE DEPTH OF GROUND RING CONDUCTOR.

(F) CELL REFERENCE GROUND BAR: POINT OF GROUND REFERENCE FOR ALL COMMUNICATIONS EQUIPMENT FRAMES. ALL BONDS ARE MADE WITH #2 AWG UNLESS NOTED OTHERWISE STRANDED GREEN INSULATED COPPER CONDUCTORS. BOND TO GROUND RING WITH (2) #2 SOLID TINNED COPPER CONDUCTORS.

(G) HATCH PLATE GROUND BAR: BOND TO THE INTERIOR GROUND RING WITH TWO #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTORS. WHEN A HATCH-PLATE AND A CELL REFERENCE GROUND BAR ARE BOTH PRESENT, THE CRGB MUST BE CONNECTED TO THE HATCH-PLATE AND TO THE INTERIOR GROUND RING USING (2) TWO #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTORS EACH.

(H) EXTERIOR CABLE ENTRY PORT GROUND BARS: LOCATED AT THE ENTRANCE TO THE CELL SITE BUILDING. BOND TO GROUND RING WITH A #2 AWG SOLID TINNED COPPER CONDUCTORS WITH AN EXOTHERMIC WELD AND INSPECTION SLEEVE.

(I) TELCO GROUND BAR: BOND TO BOTH CELL REFERENCE GROUND BAR OR EXTERIOR GROUND RING.

(J) FRAME BONDING: THE BONDING POINT FOR TELECOM EQUIPMENT FRAMES SHALL BE THE GROUND BUS THAT IS NOT ISOLATED FROM THE EQUIPMENTS METAL FRAMEWORK.

(K) INTERIOR UNIT BONDS: METAL FRAMES, CABINETS AND INDIVIDUAL METALLIC UNITS LOCATED WITH THE AREA OF THE INTERIOR GROUND RING REQUIRE A #6 AWG STRANDED GREEN INSULATED COPPER BOND TO THE INTERIOR GROUND RING.

(L) FENCE AND GATE GROUNDING: METAL FENCES WITHIN 7 FEET OF THE EXTERIOR GROUND RING OR OBJECTS BONDED TO THE EXTERIOR GROUND RING SHALL BE BONDED TO THE GROUND RING WITH A #2 AWG SOLID TINNED COPPER CONDUCTOR AT AN INTERVAL NOT EXCEEDING 25 FEET. BONDS SHALL BE MADE AT EACH GATE POST AND ACROSS GATE OPENINGS.

(M) EXTERIOR UNIT BONDS: METALLIC OBJECTS, EXTERNAL TO OR MOUNTED TO THE BUILDING, SHALL BE BONDED TO THE EXTERIOR GROUND RING. USING #2 TINNED SOLID COPPER WIRE

(N) ICE BRIDGE SUPPORTS: EACH ICE BRIDGE LEG SHALL BE BONDED TO THE GROUND RING WITH #2 AWG BARE TINNED COPPER CONDUCTOR. PROVIDE EXOTHERMIC WELDS AT BOTH THE ICE BRIDGE LEG AND BURIED GROUND RING.

(O) DURING ALL DC POWER SYSTEM CHANGES INCLUDING DC SYSTEM CHANGE OUTS, RECTIFIER REPLACEMENTS OR ADDITIONS, BREAKER DISTRIBUTION CHANGES, BATTERY ADDITIONS, BATTERY REPLACEMENTS AND INSTALLATIONS OR CHANGES TO DC CONVERTER SYSTEMS IT SHALL BE REQUIRED THAT SERVICE CONTRACTORS VERIFY ALL DC POWER SYSTEMS ARE EQUIPPED WITH A MASTER DC SYSTEM RETURN GROUND CONDUCTOR FROM THE DC POWER SYSTEM COMMON RETURN BUS DIRECTLY CONNECTED TO THE CELL SITE REFERENCE GROUND BAR

(P) TOWER TOP COLLECTOR BUSS BAR IS TO BE MECHANICALLY BONDED TO PROPOSED ANTENNA MOUNT COLLAR.

REFER TO DISH Wireless L.L.C. GROUNDING NOTES.

GROUNDING KEY NOTES | NO SCALE | 3

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No. 23924
LICENSED PROFESSIONAL ENGINEER
9/22/21

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/22

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MLM	CDW	DAS

RFDS REV #: 3

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A&E PROJECT NUMBER
153914.001.01

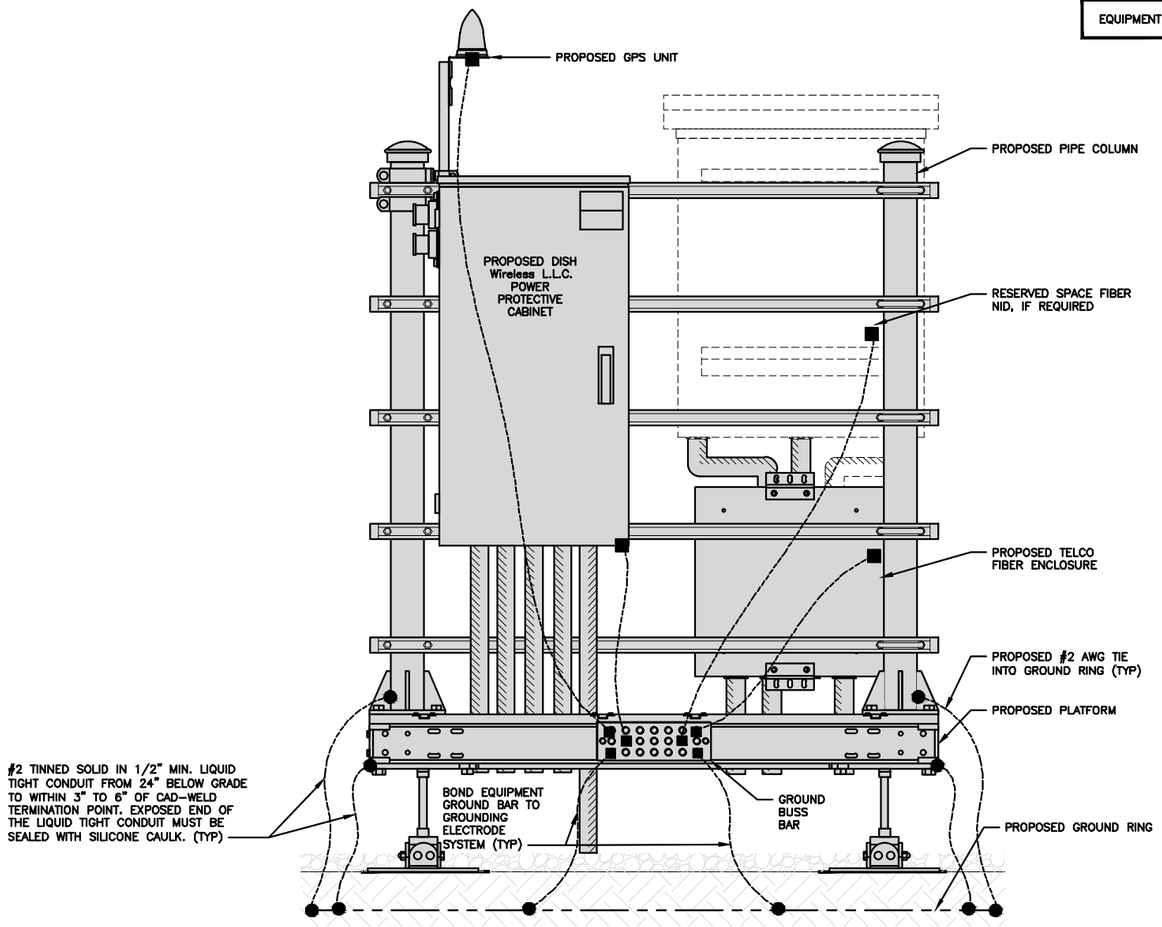
DISH Wireless L.L.C.
PROJECT INFORMATION
NJJER01130A
1069 CONNECTICUT AVENUE
BRIDGEPORT, CT 06607

SHEET TITLE
GROUNDING PLANS AND NOTES

SHEET NUMBER
G-1

NOTES

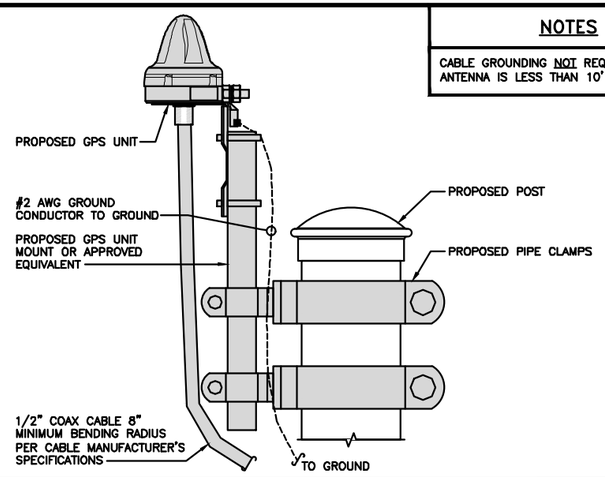
EQUIPMENT CABINET OMITTED FOR CLARITY



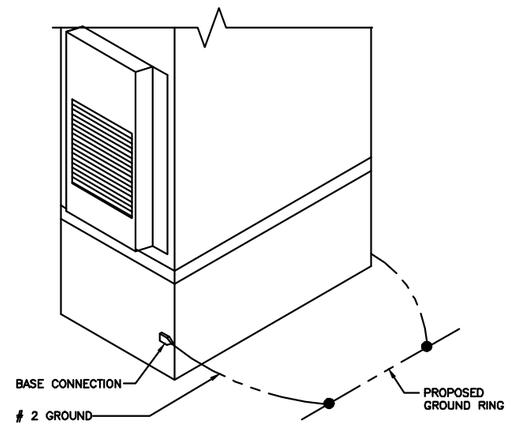
H-FRAME GROUNDING DETAIL | NO SCALE | 1

NOTES

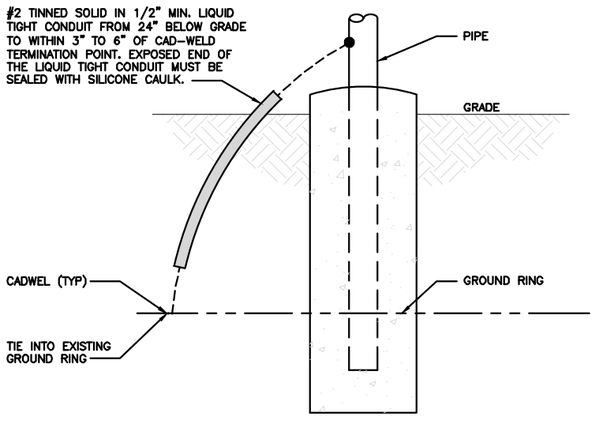
CABLE GROUNDING NOT REQUIRED WHEN ANTENNA IS LESS THAN 10' FROM CABINET



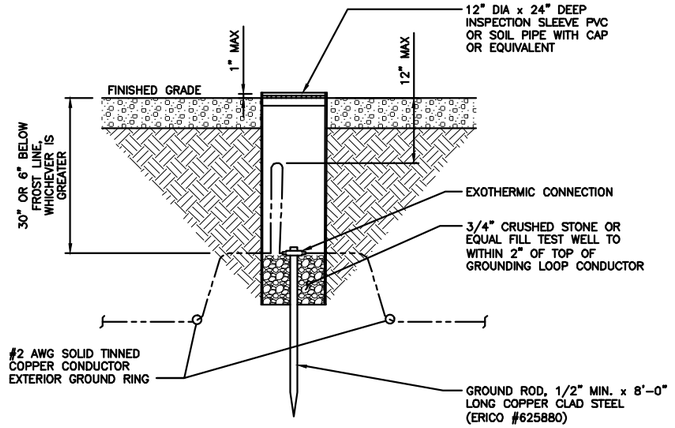
TYPICAL GPS UNIT GROUNDING | NO SCALE | 2



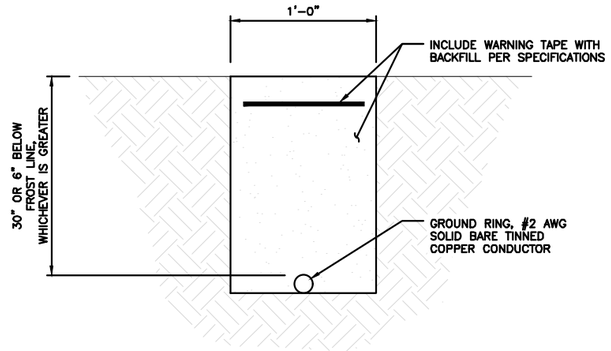
OUTDOOR CABINET GROUNDING | NO SCALE | 3



TRANSITIONING GROUND DETAIL | NO SCALE | 4



TYPICAL TEST GROUND ROD WITH INSPECTION SLEEVE | NO SCALE | 5



TYPICAL GROUND RING TRENCH | NO SCALE | 6

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DISH Wireless L.L.C.
PROJECT INFORMATION

NJJER01130A
1069 CONNECTICUT AVENUE
BRIDGEPORT, CT 06607

SHEET TITLE

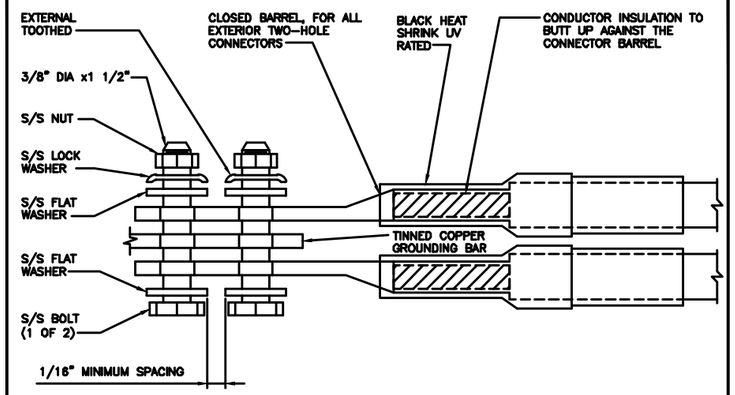
GROUNDING DETAILS

SHEET NUMBER

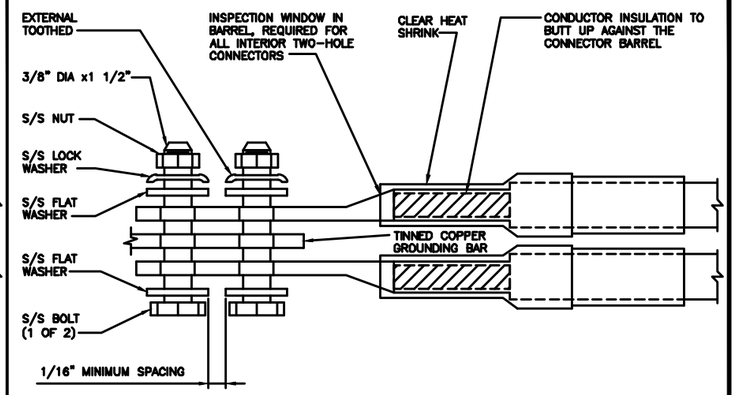
G-2

1. EXOTHERMIC WELD (2) TWO, #2 AWG BARE TINNED SOLID COPPER CONDUCTORS TO GROUND BAR. ROUTE CONDUCTORS TO BURIED GROUND RING AND PROVIDE PARALLEL EXOTHERMIC WELD.
2. ALL EXTERIOR GROUNDING HARDWARE SHALL BE STAINLESS STEEL 3/8" DIAMETER OR LARGER. ALL HARDWARE 18-8 STAINLESS STEEL INCLUDING LOCK WASHERS, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
3. FOR GROUND BOND TO STEEL ONLY: COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
4. DO NOT INSTALL CABLE GROUNDING KIT AT A BEND AND ALWAYS DIRECT GROUND CONDUCTOR DOWN TO GROUNDING BUS.
5. NUT & WASHER SHALL BE PLACED ON THE FRONT SIDE OF THE GROUND BAR AND BOLTED ON THE BACK SIDE.
6. ALL GROUNDING PARTS AND EQUIPMENT TO BE SUPPLIED AND INSTALLED BY CONTRACTOR.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ADDITIONAL GROUND BAR AS REQUIRED.
8. ENSURE THE WIRE INSULATION TERMINATION IS WITHIN 1/8" OF THE BARREL (NO SHINERS).

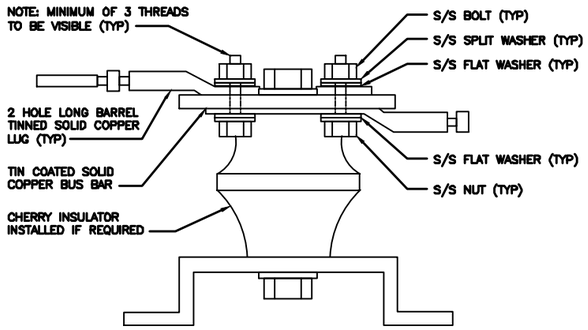
TYPICAL GROUNDING NOTES | NO SCALE | 1



TYPICAL EXTERIOR TWO HOLE LUG | NO SCALE | 2



TYPICAL INTERIOR TWO HOLE LUG | NO SCALE | 3



LUG DETAIL | NO SCALE | 4

NOT USED | NO SCALE | 5

NOT USED | NO SCALE | 6

NOT USED | NO SCALE | 7

NOT USED | NO SCALE | 8

NOT USED | NO SCALE | 9

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BRIDGEPORT, CT 06607

SHEET TITLE
GROUNDING DETAILS

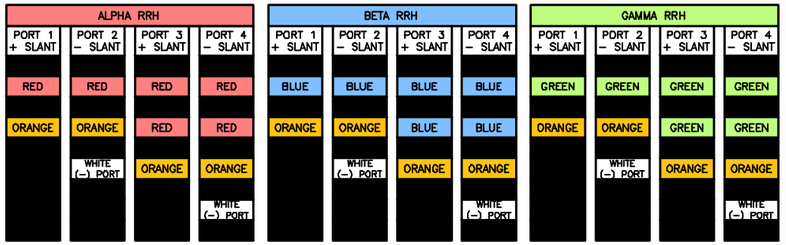
SHEET NUMBER
G-3

RF JUMPER COLOR CODING

3/4" TAPE WIDTHS WITH 3/4" SPACING

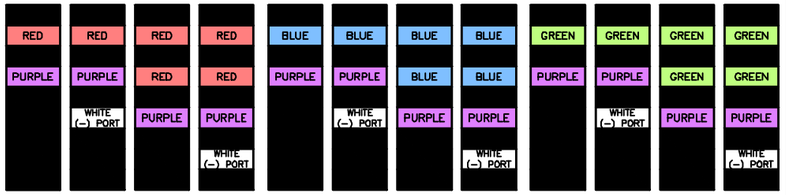
LOW-BAND RRH –
(600MHz N71 BASEBAND) +
(850MHz N26 BAND) +
(700MHz N29 BAND) – OPTIONAL PER MARKET

ADD FREQUENCY COLOR TO SECTOR BAND
(CBRS WILL USE YELLOW BANDS)



MID-BAND RRH –
(AWS BANDS N66+N70)

ADD FREQUENCY COLOR TO SECTOR BAND
(CBRS WILL USE YELLOW BANDS)

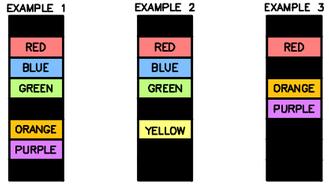


HYBRID/DISCREET CABLES

INCLUDE SECTOR BANDS BEING SUPPORTED
ALONG WITH FREQUENCY BANDS

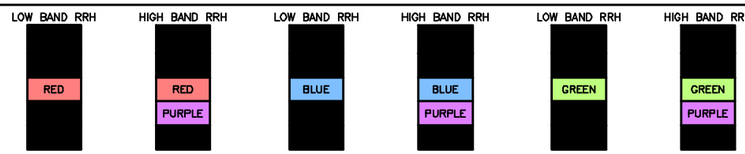
EXAMPLE 1 – HYBRID, OR DISCREET, SUPPORTS
ALL SECTORS. BOTH LOW-BANDS AND MID-BANDS

EXAMPLE 2 – HYBRID, OR DISCREET, SUPPORTS
CBRS ONLY, ALL SECTORS



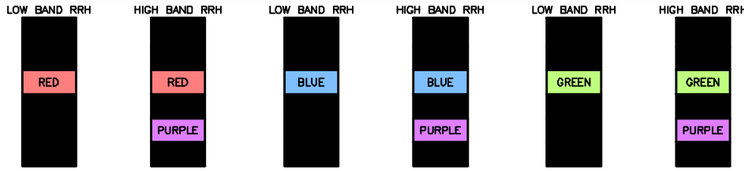
FIBER JUMPERS TO RRHs

LOW-BAND RRH FIBER CABLES HAVE SECTOR
STRIPE ONLY

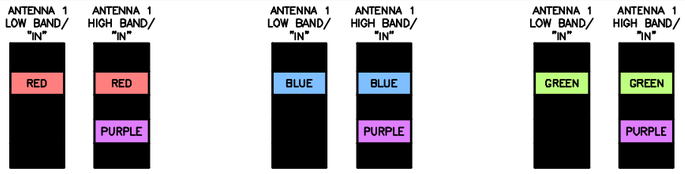


POWER CABLES TO RRHs

LOW-BAND RRH POWER CABLES HAVE SECTOR
STRIPE ONLY



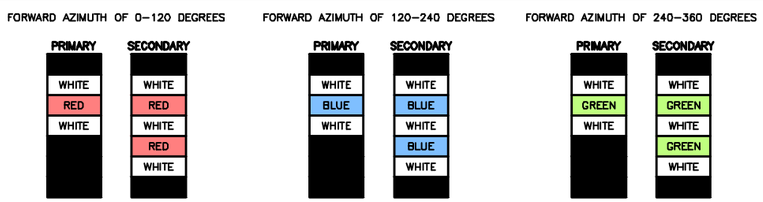
RET MOTORS AT ANTENNAS



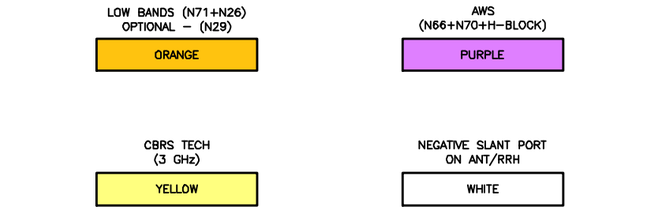
MICROWAVE RADIO LINKS

LINKS WILL HAVE A 1.5-2 INCH WHITE WRAP WITH
THE AZIMUTH COLOR OVERLAPPING IN THE MIDDLE.
ADD ADDITIONAL SECTOR COLOR BANDS FOR EACH
ADDITIONAL MW RADIO.

MICROWAVE CABLES WILL REQUIRE P-TOUCH
LABELS INSIDE THE CABINET TO IDENTIFY THE
LOCAL AND REMOTE SITE ID'S



RF CABLE COLOR CODES	NO SCALE	1



COLOR IDENTIFIER	NO SCALE	2

NOT USED	NO SCALE	3

NOT USED	NO SCALE	4

dish wireless.

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Expires 2/10/22

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DISH Wireless L.L.C.
PROJECT INFORMATION

NJJER01130A
1069 CONNECTICUT AVENUE
BRIDGEPORT, CT 06607

SHEET TITLE

RF
CABLE COLOR CODES

SHEET NUMBER

RF-1

EXOTHERMIC CONNECTION

MECHANICAL CONNECTION

BUSS BAR INSULATOR

CHEMICAL ELECTROLYTIC GROUNDING SYSTEM

TEST CHEMICAL ELECTROLYTIC GROUNDING SYSTEM

EXOTHERMIC WITH INSPECTION SLEEVE

GROUNDING BAR

GROUND ROD

TEST GROUND ROD WITH INSPECTION SLEEVE

SINGLE POLE SWITCH

DUPLEX RECEPTACLE

DUPLEX GFCI RECEPTACLE

FLUORESCENT LIGHTING FIXTURE (2) TWO LAMPS 48-T8

SMOKE DETECTION (DC)

EMERGENCY LIGHTING (DC)

SECURITY LIGHT W/PHOTOCELL LITHONIA ALXW LED-1-25A400/51K-SR4-120-PE-DDBTXD

CHAIN LINK FENCE

WOOD/WROUGHT IRON FENCE

WALL STRUCTURE

LEASE AREA

PROPERTY LINE (PL)

SETBACKS

ICE BRIDGE

CABLE TRAY

WATER LINE

UNDERGROUND POWER

UNDERGROUND TELCO

OVERHEAD POWER

OVERHEAD TELCO

UNDERGROUND TELCO/POWER

ABOVE GROUND POWER

ABOVE GROUND TELCO

ABOVE GROUND TELCO/POWER

WORKPOINT

SECTION REFERENCE

DETAIL REFERENCE

LEGEND

AB	ANCHOR BOLT
ABV	ABOVE
AC	ALTERNATING CURRENT
ADDL	ADDITIONAL
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AGL	ABOVE GROUND LEVEL
AIC	AMPERAGE INTERRUPTION CAPACITY
ALUM	ALUMINUM
ALT	ALTERNATE
ANT	ANTENNA
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BATT	BATTERY
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM
BTC	BARE TINNED COPPER CONDUCTOR
BOF	BOTTOM OF FOOTING
CAB	CABINET
CANT	CANTILEVERED
CHG	CHARGING
CLG	CEILING
CLR	CLEAR
COL	COLUMN
COMM	COMMON
CONC	CONCRETE
CONSTR	CONSTRUCTION
DBL	DOUBLE
DC	DIRECT CURRENT
DEPT	DEPARTMENT
DF	DOUGLAS FIR
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DWG	DRAWING
DWL	DOWEL
EA	EACH
EC	ELECTRICAL CONDUCTOR
EL.	ELEVATION
ELEC	ELECTRICAL
EMT	ELECTRICAL METALLIC TUBING
ENG	ENGINEER
EQ	EQUAL
EXP	EXPANSION
EXT	EXTERIOR
EW	EACH WAY
FAB	FABRICATION
FF	FINISH FLOOR
FG	FINISH GRADE
FIF	FACILITY INTERFACE FRAME
FIN	FINISH(ED)
FLR	FLOOR
FDN	FOUNDATION
FOC	FACE OF CONCRETE
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FOW	FACE OF WALL
FS	FINISH SURFACE
FT	FOOT
FTG	FOOTING
GA	GAUGE
GEN	GENERATOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GLB	GLUE LAMINATED BEAM
GLV	GALVANIZED
GPS	GLOBAL POSITIONING SYSTEM
GND	GROUND
GSM	GLOBAL SYSTEM FOR MOBILE
HDG	HOT DIPPED GALVANIZED
HDR	HEADER
HGR	HANGER
HVAC	HEAT/VENTILATION/AIR CONDITIONING
HT	HEIGHT
IGR	INTERIOR GROUND RING
IN	INCH
INT	INTERIOR
LB(S)	POUND(S)
LF	LINEAR FEET
LTE	LONG TERM EVOLUTION
MAS	MASONRY
MAX	MAXIMUM
MB	MACHINE BOLT
MECH	MECHANICAL
MFR	MANUFACTURER
MGB	MASTER GROUND BAR
MIN	MINIMUM
MISC	MISCELLANEOUS
MTL	METAL
MTS	MANUAL TRANSFER SWITCH
MW	MICROWAVE
NEC	NATIONAL ELECTRIC CODE
NM	NEWTON METERS
NO.	NUMBER
#	NUMBER
NTS	NOT TO SCALE
OC	ON-CENTER
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
OPNG	OPENING
P/C	PRECAST CONCRETE
PCS	PERSONAL COMMUNICATION SERVICES
PCU	PRIMARY CONTROL UNIT
PRC	PRIMARY RADIO CABINET
PP	POLARIZING PRESERVING
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
PWR	POWER CABINET
QTY	QUANTITY
RAD	RADIUS
RECT	RECTIFIER
REF	REFERENCE
REINF	REINFORCEMENT
REQ'D	REQUIRED
RET	REMOTE ELECTRIC TILT
RF	RADIO FREQUENCY
RMC	RIGID METALLIC CONDUIT
RRH	REMOTE RADIO HEAD
RRU	REMOTE RADIO UNIT
RWY	RACEWAY
SCH	SCHEDULE
SHT	SHEET
SIAD	SMART INTEGRATED ACCESS DEVICE
SIM	SIMILAR
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
STD	STANDARD
STL	STEEL
TEMP	TEMPORARY
THK	THICKNESS
TMA	TOWER MOUNTED AMPLIFIER
TN	TOE NAIL
TOA	TOP OF ANTENNA
TOC	TOP OF CURB
TOF	TOP OF FOUNDATION
TOP	TOP OF PLATE (PARAPET)
TOS	TOP OF STEEL
TOW	TOP OF WALL
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
TYP	TYPICAL
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE
UMTS	UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM
UPS	UNITERRUPTIBLE POWER SYSTEM (DC POWER PLANT)
VIF	VERIFIED IN FIELD
W	WIDE
W/	WITH
WD	WOOD
WP	WEATHERPROOF
WT	WEIGHT

ABBREVIATIONS

dish wireless.

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DISH Wireless L.L.C.
PROJECT INFORMATION

NJJER01130A
1069 CONNECTICUT AVENUE
BRIDGEPORT, CT 06607

SHEET TITLE

LEGEND AND ABBREVIATIONS

SHEET NUMBER

GN-1

SITE ACTIVITY REQUIREMENTS:

1. NOTICE TO PROCEED – NO WORK SHALL COMMENCE PRIOR TO CONTRACTOR RECEIVING A WRITTEN NOTICE TO PROCEED (NTP) AND THE ISSUANCE OF A PURCHASE ORDER. PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE DISH Wireless L.L.C. AND TOWER OWNER NOC & THE DISH Wireless L.L.C. AND TOWER OWNER CONSTRUCTION MANAGER.

2. "LOOK UP" – DISH Wireless L.L.C. AND TOWER OWNER SAFETY CLIMB REQUIREMENT:

THE INTEGRITY OF THE SAFETY CLIMB AND ALL COMPONENTS OF THE CLIMBING FACILITY SHALL BE CONSIDERED DURING ALL STAGES OF DESIGN, INSTALLATION, AND INSPECTION. TOWER MODIFICATION, MOUNT REINFORCEMENTS, AND/OR EQUIPMENT INSTALLATIONS SHALL NOT COMPROMISE THE INTEGRITY OR FUNCTIONAL USE OF THE SAFETY CLIMB OR ANY COMPONENTS OF THE CLIMBING FACILITY ON THE STRUCTURE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO: PINCHING OF THE WIRE ROPE, BENDING OF THE WIRE ROPE FROM ITS SUPPORTS, DIRECT CONTACT OR CLOSE PROXIMITY TO THE WIRE ROPE WHICH MAY CAUSE FRICTIONAL WEAR, IMPACT TO THE ANCHORAGE POINTS IN ANY WAY, OR TO IMPEDE/BLOCK ITS INTENDED USE. ANY COMPROMISED SAFETY CLIMB, INCLUDING EXISTING CONDITIONS MUST BE TAGGED OUT AND REPORTED TO YOUR DISH Wireless L.L.C. AND DISH Wireless L.L.C. AND TOWER OWNER POC OR CALL THE NOC TO GENERATE A SAFETY CLIMB MAINTENANCE AND CONTRACTOR NOTICE TICKET.

3. PRIOR TO THE START OF CONSTRUCTION, ALL REQUIRED JURISDICTIONAL PERMITS SHALL BE OBTAINED. THIS INCLUDES, BUT IS NOT LIMITED TO, BUILDING, ELECTRICAL, MECHANICAL, FIRE, FLOOD ZONE, ENVIRONMENTAL, AND ZONING. AFTER ONSITE ACTIVITIES AND CONSTRUCTION ARE COMPLETED, ALL REQUIRED PERMITS SHALL BE SATISFIED AND CLOSED OUT ACCORDING TO LOCAL JURISDICTIONAL REQUIREMENTS.

4. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN, AND SHALL MEET ANSI/ASSE A10.48 (LATEST EDITION); FEDERAL, STATE, AND LOCAL REGULATIONS; AND ANY APPLICABLE INDUSTRY CONSENSUS STANDARDS RELATED TO THE CONSTRUCTION ACTIVITIES BEING PERFORMED. ALL RIGGING PLANS SHALL ADHERE TO ANSI/ASSE A10.48 (LATEST EDITION) AND DISH Wireless L.L.C. AND TOWER OWNER STANDARDS, INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION, TO CERTIFY THE SUPPORTING STRUCTURE(S) IN ACCORDANCE WITH ANSI/TIA-322 (LATEST EDITION).

5. ALL SITE WORK TO COMPLY WITH DISH Wireless L.L.C. AND TOWER OWNER INSTALLATION STANDARDS FOR CONSTRUCTION ACTIVITIES ON DISH Wireless L.L.C. AND TOWER OWNER TOWER SITE AND LATEST VERSION OF ANSI/TIA-1019-A-2012 "STANDARD FOR INSTALLATION, ALTERATION, AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS."

6. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY DISH Wireless L.L.C. AND TOWER OWNER PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.

7. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.

8. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.

9. THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES INCLUDING PRIVATE LOCATES SERVICES PRIOR TO THE START OF CONSTRUCTION.

10. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY CONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING AND EXCAVATION E) CONSTRUCTION SAFETY PROCEDURES.

11. ALL SITE WORK SHALL BE AS INDICATED ON THE STAMPED CONSTRUCTION DRAWINGS AND DISH PROJECT SPECIFICATIONS, LATEST APPROVED REVISION.

12. CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH AT THE COMPLETION OF THE WORK. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.

13. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF DISH Wireless L.L.C. AND TOWER OWNER, AND/OR LOCAL UTILITIES.

14. THE CONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE REQUIRED BY LOCAL JURISDICTION AND SIGNAGE REQUIRED ON INDIVIDUAL PIECES OF EQUIPMENT, ROOMS, AND SHELTERS.

15. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE CARRIER'S EQUIPMENT AND TOWER AREAS.

16. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.

17. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION AS SPECIFIED ON THE CONSTRUCTION DRAWINGS AND/OR PROJECT SPECIFICATIONS.

18. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.

19. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.

20. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS AND RADIOS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.

21. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.

22. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.

GENERAL NOTES:

1.FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:

CONTRACTOR:GENERAL CONTRACTOR RESPONSIBLE FOR CONSTRUCTION

CARRIER:DISH Wireless L.L.C.

TOWER OWNER:TOWER OWNER

2. THESE DRAWINGS HAVE BEEN PREPARED USING STANDARDS OF PROFESSIONAL CARE AND COMPLETENESS NORMALLY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY REPUTABLE ENGINEERS IN THIS OR SIMILAR LOCALITIES. IT IS ASSUMED THAT THE WORK DEPICTED WILL BE PERFORMED BY AN EXPERIENCED CONTRACTOR AND/OR WORKPEOPLE WHO HAVE A WORKING KNOWLEDGE OF THE APPLICABLE CODE STANDARDS AND REQUIREMENTS AND OF INDUSTRY ACCEPTED STANDARD GOOD PRACTICE. AS NOT EVERY CONDITION OR ELEMENT IS (OR CAN BE) EXPLICITLY SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL USE INDUSTRY ACCEPTED STANDARD GOOD PRACTICE FOR MISCELLANEOUS WORK NOT EXPLICITLY SHOWN.

3. THESE DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY FOR PROTECTION OF LIFE AND PROPERTY DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, FORMWORK, SHORING, ETC. SITE VISITS BY THE ENGINEER OR HIS REPRESENTATIVE WILL NOT INCLUDE INSPECTION OF THESE ITEMS AND IS FOR STRUCTURAL OBSERVATION OF THE FINISHED STRUCTURE ONLY.

4. NOTES AND DETAILS IN THE CONSTRUCTION DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT, AND/OR AS PROVIDED FOR IN THE CONTRACT DOCUMENTS. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL NOTES, AND SPECIFICATIONS, THE GREATER, MORE STRICT REQUIREMENTS, SHALL GOVERN. IF FURTHER CLARIFICATION IS REQUIRED CONTACT THE ENGINEER OF RECORD.

5. SUBSTANTIAL EFFORT HAS BEEN MADE TO PROVIDE ACCURATE DIMENSIONS AND MEASUREMENTS ON THE DRAWINGS TO ASSIST IN THE FABRICATION AND/OR PLACEMENT OF CONSTRUCTION ELEMENTS BUT IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THE DIMENSIONS, MEASUREMENTS, AND/OR CLEARANCES SHOWN IN THE CONSTRUCTION DRAWINGS PRIOR TO FABRICATION OR CUTTING OF ANY NEW OR EXISTING CONSTRUCTION ELEMENTS. IF IT IS DETERMINED THAT THERE ARE DISCREPANCIES AND/OR CONFLICTS WITH THE CONSTRUCTION DRAWINGS THE ENGINEER OF RECORD IS TO BE NOTIFIED AS SOON AS POSSIBLE.

6. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING CONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CARRIER POC AND TOWER OWNER.

7. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.

8. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.

9. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.

10. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CARRIER AND TOWER OWNER PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.

11. CONTRACTOR IS TO PERFORM A SITE INVESTIGATION, BEFORE SUBMITTING BIDS, TO DETERMINE THE BEST ROUTING OF ALL CONDUITS FOR POWER, AND TELCO AND FOR GROUNDING CABLES AS SHOWN IN THE POWER, TELCO, AND GROUNDING PLAN DRAWINGS.

12. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF DISH Wireless L.L.C. AND TOWER OWNER

13. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.

14. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.

dish wireless.

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PEC.0001564
Expires 2/10/22

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DISH Wireless L.L.C.
PROJECT INFORMATION

NJJER01130A
1069 CONNECTICUT AVENUE
BRIDGEPORT, CT 06607

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

GN-2

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184, ASTM A185 AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST-IN-PLACE CONCRETE.

2. UNLESS NOTED OTHERWISE, SOIL BEARING PRESSURE USED FOR DESIGN OF SLABS AND FOUNDATIONS IS ASSUMED TO BE 1000 psf.

3. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (f'c) OF 3000 psi AT 28 DAYS, UNLESS NOTED OTHERWISE. NO MORE THAN 90 MINUTES SHALL ELAPSE FROM BATCH TIME TO TIME OF PLACEMENT UNLESS APPROVED BY THE ENGINEER OF RECORD. TEMPERATURE OF CONCRETE SHALL NOT EXCEED 90°f AT TIME OF PLACEMENT.

4. CONCRETE EXPOSED TO FREEZE-THAW CYCLES SHALL CONTAIN AIR ENTRAINING ADMIXTURES. AMOUNT OF AIR ENTRAINMENT TO BE BASED ON SIZE OF AGGREGATE AND F3 CLASS EXPOSURE (VERY SEVERE). CEMENT USED TO BE TYPE II PORTLAND CEMENT WITH A MAXIMUM WATER-TO-CEMENT RATIO (W/C) OF 0.45.

5. ALL STEEL REINFORCING SHALL CONFORM TO ASTM A615. ALL WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A185. ALL SPLICES SHALL BE CLASS "B" TENSION SPLICES, UNLESS NOTED OTHERWISE. ALL HOOKS SHALL BE STANDARD 90 DEGREE HOOKS, UNLESS NOTED OTHERWISE. YIELD STRENGTH (Fy) OF STANDARD DEFORMED BARS ARE AS FOLLOWS:

#4 BARS AND SMALLER 40 ksi

#5 BARS AND LARGER 60 ksi

6. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:

- CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3"
- CONCRETE EXPOSED TO EARTH OR WEATHER:
- #6 BARS AND LARGER 2"
- #5 BARS AND SMALLER 1-1/2"
- CONCRETE NOT EXPOSED TO EARTH OR WEATHER:
- SLAB AND WALLS 3/4"
- BEAMS AND COLUMNS 1-1/2"

7. A TOOLED EDGE OR A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNLESS NOTED OTHERWISE, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.

ELECTRICAL INSTALLATION NOTES:

1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.

2. CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ELIMINATED.

3. WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC.

4. ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.

4.1. ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO REQUIREMENT OF THE NATIONAL ELECTRICAL CODE.

4.2. ALL OVERCURRENT DEVICES SHALL HAVE AN INTERRUPTING CURRENT RATING THAT SHALL BE GREATER THAN THE SHORT CIRCUIT CURRENT TO WHICH THEY ARE SUBJECTED, 22,000 AIC MINIMUM. VERIFY AVAILABLE SHORT CIRCUIT CURRENT DOES NOT EXCEED THE RATING OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ARTICLE 110.24 NEC OR THE MOST CURRENT ADOPTED CODE PRE THE GOVERNING JURISDICTION.

5. EACH END OF EVERY POWER PHASE CONDUCTOR, GROUNDING CONDUCTOR, AND TELCO CONDUCTOR OR CABLE SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2" PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC AND OSHA.

6. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH LAMICOID TAGS SHOWING THEIR RATED VOLTAGE, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (i.e. PANEL BOARD AND CIRCUIT ID'S).

7. PANEL BOARDS (ID NUMBERS) SHALL BE CLEARLY LABELED WITH PLASTIC LABELS.

8. TIE WRAPS ARE NOT ALLOWED.

9. ALL POWER AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE COPPER CONDUCTOR (#14 OR LARGER) WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.

10. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE COPPER CONDUCTOR (#6 OR LARGER) WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.

11. POWER AND CONTROL WIRING IN FLEXIBLE CORD SHALL BE MULTI-CONDUCTOR, TYPE SOOW CORD (#14 OR LARGER) UNLESS OTHERWISE SPECIFIED.

12. POWER AND CONTROL WIRING FOR USE IN CABLE TRAY SHALL BE MULTI-CONDUCTOR, TYPE TC CABLE (#14 OR LARGER), WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.

13. ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP-STYLE, COMPRESSION WIRE LUGS AND WIRE NUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRE NUTS SHALL BE RATED FOR OPERATION NOT LESS THAN 75° C (90° C IF AVAILABLE).

14. RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND NEC.

15. ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR RIGID METAL CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.

16. ELECTRICAL METALLIC TUBING (EMT) OR METAL-CLAD CABLE (MC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.

17. SCHEDULE 40 PVC UNDERGROUND ON STRAIGHTS AND SCHEDULE 80 PVC FOR ALL ELBOWS/90s AND ALL APPROVED ABOVE GRADE PVC CONDUIT.

18. LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.

19. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SET SCREW FITTINGS ARE NOT ACCEPTABLE.

20. CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND THE NEC.

21. WIREWAYS SHALL BE METAL WITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS (WIREMOLD SPECMATE WIREWAY).

22. SLOTTED WIRING DUCT SHALL BE PVC AND INCLUDE COVER (PANDUIT TYPE E OR EQUAL).

23. CONDUITS SHALL BE FASTENED SECURELY IN PLACE WITH APPROVED NON-PERFORATED STRAPS AND HANGERS. EXPLOSIVE DEVICES (i.e. POWDER-ACTUATED) FOR ATTACHING HANGERS TO STRUCTURE WILL NOT BE PERMITTED. CLOSELY FOLLOW THE LINES OF THE STRUCTURE, MAINTAIN CLOSE PROXIMITY TO THE STRUCTURE AND KEEP CONDUITS IN TIGHT ENVELOPES. CHANGES IN DIRECTION TO ROUTE AROUND OBSTACLES SHALL BE MADE WITH CONDUIT OUTLET BODIES. CONDUIT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. PARALLEL AND PERPENDICULAR TO STRUCTURE WALL AND CEILING LINES. ALL CONDUIT SHALL BE FISHED TO CLEAR OBSTRUCTIONS. ENDS OF CONDUITS SHALL BE TEMPORARILY CAPPED FLUSH TO FINISH GRADE TO PREVENT CONCRETE, PLASTER OR DIRT FROM ENTERING. CONDUITS SHALL BE RIGIDLY CLAMPED TO BOXES BY GALVANIZED MALLEABLE IRON BUSHING ON INSIDE AND GALVANIZED MALLEABLE IRON LOCKNUT ON OUTSIDE AND INSIDE.

24. EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET STEEL. SHALL MEET OR EXCEED UL 50 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND NEMA 3 (OR BETTER) FOR EXTERIOR LOCATIONS.

25. METAL RECEPTACLE, SWITCH AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY-COATED OR NON-CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.

26. NONMETALLIC RECEPTACLE, SWITCH AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2 (NEWEST REVISION) AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.

27. THE CONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CARRIER AND/OR DISH Wireless L.L.C. AND TOWER OWNER BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.

28. THE CONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD LIFE AND PROPERTY.

29. INSTALL LAMICOID LABEL ON THE METER CENTER TO SHOW "DISH Wireless L.L.C.".

30. ALL EMPTY/SPARE CONDUITS THAT ARE INSTALLED ARE TO HAVE A METERED MULE TAPE PULL CORD INSTALLED.

dish wireless.

5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120

AMERICAN TOWER
10 PRESIDENTIAL WAY
WOBURN, MA 01801

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9/22/21

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/22

DRAWN BY:	CHECKED BY:	APPROVED BY:
MLM	CDW	DAS

RFDS REV #: 3

CONSTRUCTION DOCUMENTS

SUBMITTALS

REV	DATE	DESCRIPTION
A	8/12/21	ISSUED FOR REVIEW
0	8/31/21	ISSUED FOR CONSTRUCTION
1	9/13/21	ISSUED FOR CONSTRUCTION
2	9/22/21	ISSUED FOR CONSTRUCTION

A&E PROJECT NUMBER

153914.001.01

DISH Wireless L.L.C.
PROJECT INFORMATION

NJJER01130A
1069 CONNECTICUT AVENUE
BRIDGEPORT, CT 06607

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

GN-3

GROUNDING NOTES:

1. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER GES'S) SHALL BE BONDED TOGETHER AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.

2. THE CONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR GROUND ELECTRODE SYSTEMS, THE CONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.

3. THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT AND PROVIDE TESTING RESULTS.

4. METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.

5. METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.

6. EACH CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, #6 STRANDED COPPER OR LARGER FOR INDOOR BTS; #2 BARE SOLID TINNED COPPER FOR OUTDOOR BTS.

7. CONNECTIONS TO THE GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED BACK TO BACK CONNECTIONS ON OPPOSITE SIDE OF THE GROUND BUS ARE PERMITTED.

8. ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/GROUND BARS AND THE GROUND RING SHALL BE #2 SOLID TINNED COPPER UNLESS OTHERWISE INDICATED.

9. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.

10. USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED.

11. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.

12. ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR AND EXTERIOR) SHALL BE FORMED USING HIGH PRESS CRIMPS.

13. COMPRESSION GROUND CONNECTIONS MAY BE REPLACED BY EXOTHERMIC WELD CONNECTIONS.

14. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR.

15. APPROVED ANTIOXIDANT COATINGS (i.e. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.

16. ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.

17. MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.

18. BOND ALL METALLIC OBJECTS WITHIN 6 ft OF MAIN GROUND RING WITH (1) #2 BARE SOLID TINNED COPPER GROUND CONDUCTOR.

19. GROUND CONDUCTORS USED FOR THE FACILITY GROUNDING AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS. WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS, NON-METALLIC MATERIAL SUCH AS PVC CONDUIT SHALL BE USED. WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (i.e., NONMETALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.

20. ALL GROUNDS THAT TRANSITION FROM BELOW GRADE TO ABOVE GRADE MUST BE #2 BARE SOLID TINNED COPPER IN 3/4" NON-METALLIC, FLEXIBLE CONDUIT FROM 24" BELOW GRADE TO WITHIN 3" TO 6" OF CAD-WELD TERMINATION POINT. THE EXPOSED END OF THE CONDUIT MUST BE SEALED WITH SILICONE CAULK. (ADD TRANSITIONING GROUND STANDARD DETAIL AS WELL).

21. BUILDINGS WHERE THE MAIN GROUNDING CONDUCTORS ARE REQUIRED TO BE ROUTED TO GRADE, THE CONTRACTOR SHALL ROUTE TWO GROUNDING CONDUCTORS FROM THE ROOFTOP, TOWERS, AND WATER TOWERS GROUNDING RING, TO THE EXISTING GROUNDING SYSTEM, THE GROUNDING CONDUCTORS SHALL NOT BE SMALLER THAN 2/0 COPPER. ROOFTOP GROUNDING RING SHALL BE BONDED TO THE EXISTING GROUNDING SYSTEM, THE BUILDING STEEL COLUMNS, LIGHTNING PROTECTION SYSTEM, AND BUILDING MAIN WATER LINE (FERROUS OR NONFERROUS METAL PIPING ONLY). DO NOT ATTACH GROUNDING TO FIRE SPRINKLER SYSTEM PIPES.

dish wireless.

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STATE OF CONNECTICUT
CHAD TUTTLE
No. 23924
LICENSED
PROFESSIONAL ENGINEER
9/22/21

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/22

DRAWN BY:	CHECKED BY:	APPROVED BY:
MLM	CDW	DAS

RFDS REV #: 3

CONSTRUCTION DOCUMENTS

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A&E PROJECT NUMBER

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PROJECT INFORMATION

NJJER01130A
1069 CONNECTICUT AVENUE
BRIDGEPORT, CT 06607

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

GN-4

ENGINEERING:

STRUCTURAL ANALYSIS

MOUNT ANALYSIS

AMERICAN TOWER®
CORPORATION

AIROSMITH
ENGINEERING

Structural Analysis Report

Structure	:	**125.7 ft Monopole**
ATC Site Name	:	**Bridgeport CT 2, CT**
ATC Asset Number	:	**302469**
Engineering Number	:	**13685427_C3_03**
Proposed Carrier	:	**DISH WIRELESS L.L.C.**
Carrier Site Name	:	**NJJER01130A**
Carrier Site Number	:	**NJJER01130A**
Site Location	:	**1069 Connecticut Avenue** **Bridgeport, CT 06607-1226** **41.183600,-73.158400**
County	:	**Fairfield**
Date	:	**July 21, 2021**
Max Usage	:	**85%**
Result	:	**Pass**

Prepared By:
Kecheng Wang
Airosmith Engineering

Kecheng Wang

Reviewed By:

STATE OF CONNECTICUT
JOSEPH R. JOHNSTON
29460
LICENSED
PROFESSIONAL ENGINEER

7/22/2021

COA: PEC.0001553

AMERICAN TOWER®
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Table of Contents

Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 125.7 ft monopole to reflect the change in loading by DISH WIRELESS L.L.C..

Supporting Documents

Tower Drawings	EEI Project #5543, dated October 18, 1999
Foundation Drawing	EEI Project #5543, dated October 18, 1999
Geotechnical Report	Applied Earth Technologies Project #9903A, dated November 23, 1999
Modifications	ATC Job #41045932, dated November 2, 2007

Analysis

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

Basic Wind Speed:	119 mph (3-Second Gust)
Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ 1" radial ice concurrent
Code:	ANSI/TIA-222-H / 2015 IBC / 2018 Connecticut State Building Code
Exposure Category:	B
Risk Category:	II
Topographic Factor Procedure:	Method 1
Topographic Category:	1
Crest Height (H):	0 ft
Spectral Response:	Ss = 0.21, S_1 = 0.05
Site Class:	D - Stiff Soil

Conclusion

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

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

Existing and Reserved Equipment

Elev.[1] (ft)	Qty	Equipment	Mount Type	Lines	Carrier
131.0	3	Alcatel-Lucent TD-RRH8x20	T-Arm	(3) 1 1/4" Hybriflex Cable (1) 1.7" (43.2mm) Hybrid (3) 1/2" Coax (2) 2" conduit	CLEARWIRE CORPORATION
	3	Nokia 2.5G MAA - AAHC(64T64R)			
	3	Alcatel-Lucent 1900 MHz 4X45 RRH			
	3	Commscope NNVV-65B-R4			
	1	DragonWave A-ANT-18G-2-C			
	6	Alcatel-Lucent RRH2x50-08			
	1	DragonWave A-ANT-23G-1-C			
	2	DragonWave Horizon Compact			
127.0	3	Argus LLPX310R			
116.0	3	RFS APXVAARR24_43-U-NA20	Platform with Handrails	(2) 1 5/8" (1.63"-41.3mm) Fiber (1) 1 1/4" (1.25"-31.8mm) Fiber (2) 1 5/8" Hybriflex	T-MOBILE
	3	Ericsson AIR32 B66Aa/B2a			
	3	Ericsson AIR 6449 B41			
	3	Ericsson RRUS 4415 B25			
	3	Ericsson Radio 4449 B71 B85A			
106.0	3	CCI OPA65R-BU4DA-K	Platform with Handrails	(4) 0.39" (9.8mm) Cable (8) 0.78" (19.7mm) 8 AWG 6 (11) 1 5/8" Coax (2) 3" conduit	AT&T MOBILITY
	3	CCI DMP65R-BU4D			
	6	CCI OPA-65R-LCUU-H4			
	3	Ericsson RRUS E2 B29			
	3	Ericsson RRUS 32 B30 (53 lbs)			
	3	Ericsson RRUS 4449 B5, B12			
	3	Ericsson RRUS 4478 B14			
	3	Ericsson Radio 8843 - B2 + B66A			
	4	Raycap DC6-48-60-18-8F ("Squid")			
98.0	3	Kathrein Scala 800 10504	Flush	(6) 1 5/8" Coax (1) 3/8" Coax	METRO PCS INC
	3	Generic RCU (Remote Control Unit)			
88.0	1	Generic Low Noise Amplifier	Side Arm	(1) 1/2" Coax	SIGFOX S.A.
	1	Procom CXL 900-3LW			
	1	Generic 5" x 3" x 2" Cavity Filter			

Equipment to be Removed

Elev.[1] (ft)	Qty	Equipment	Mount Type	Lines	Carrier
No loading was considered as removed as part of this analysis.					

Proposed Equipment

Elev.[1] (ft)	Qty	Equipment	Mount Type	Lines	Carrier
78.0	1	Commscope RDIDC-9181-PF-48	Platform with Handrails	(1) 1.75" (44.5mm) Hybrid	DISH WIRELESS L.L.C.
	3	Fujitsu TA08025-B605			
	3	Fujitsu TA08025-B604			
	3	JMA Wireless MX08FRO665-21			

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

Install proposed coax inside the pole shaft.

Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Anchor Bolts	71%	Pass
Shaft	62%	Pass
Base Plate	28%	Pass

Foundations

Reaction Component	Original Design Reactions	Factored Design Reactions*	Analysis Reactions	% of Design
Moment (Kips-Ft)	2,049.1	2,766.3	2,136.0	77%
Shear (Kips)	20.7	27.9	23.7	85%
* The design reactions are factored by 1.35 per ANSI/TIA-222-H, Sec. 15.6.2				

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

Deflection and Sway*

Antenna Elevation (ft)	Antenna	Carrier	Deflection (ft)	Sway (Rotation) (°)
131.0	DragonWave A-ANT-23G-1-C	CLEARWIRE CORPORATION	6.560	5.500
	DragonWave A-ANT-18G-2-C			
78.0	Commscope RDIDC-9181-PF-48	DISH WIRELESS L.L.C.	0.564	0.866
	Fujitsu TA08025-B605			
	Fujitsu TA08025-B604			
	JMA Wireless MX08FRO665-21			

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

Standard Conditions

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

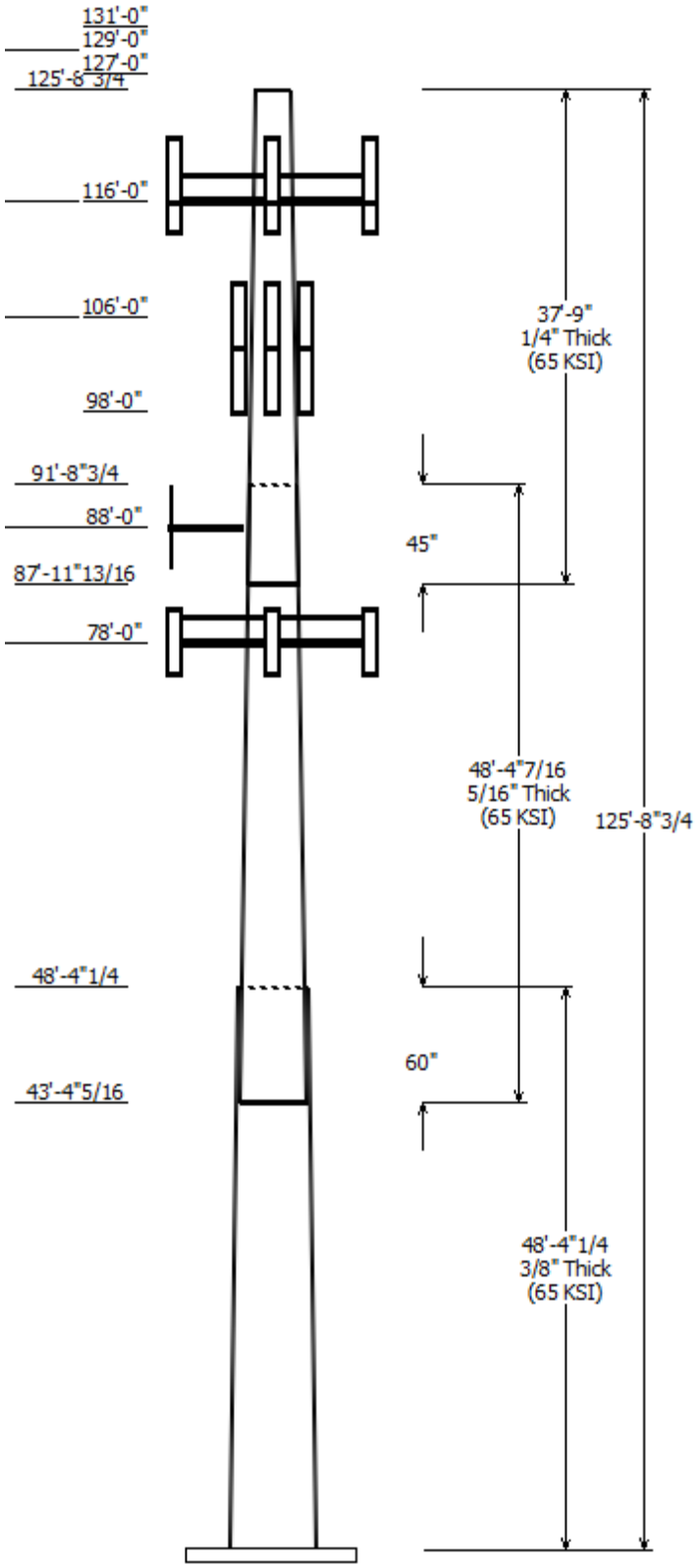
- Information supplied by the client regarding antenna, mounts and feed line loading
- Information from drawings, design and analysis documents, and field notes in the possession of A.T. Engineering Service, PLLC

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

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

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

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



Job Information

Client :	DISH WIRELESS L.L.C.		
Pole :	302469	Code:	ANSI/TIA-222-H
Location :	Bridgeport CT 2, CT		
Description :	126 ft Monopole	Risk Category :	II
Shape :	18 Sides	Exposure :	B
Height :	125.73 (ft)	Topo Method :	Method 1
Base Elev (ft):	0.00	Topographic Category :	1
Taper:	0.235624 (in/ft)		

Sections Properties

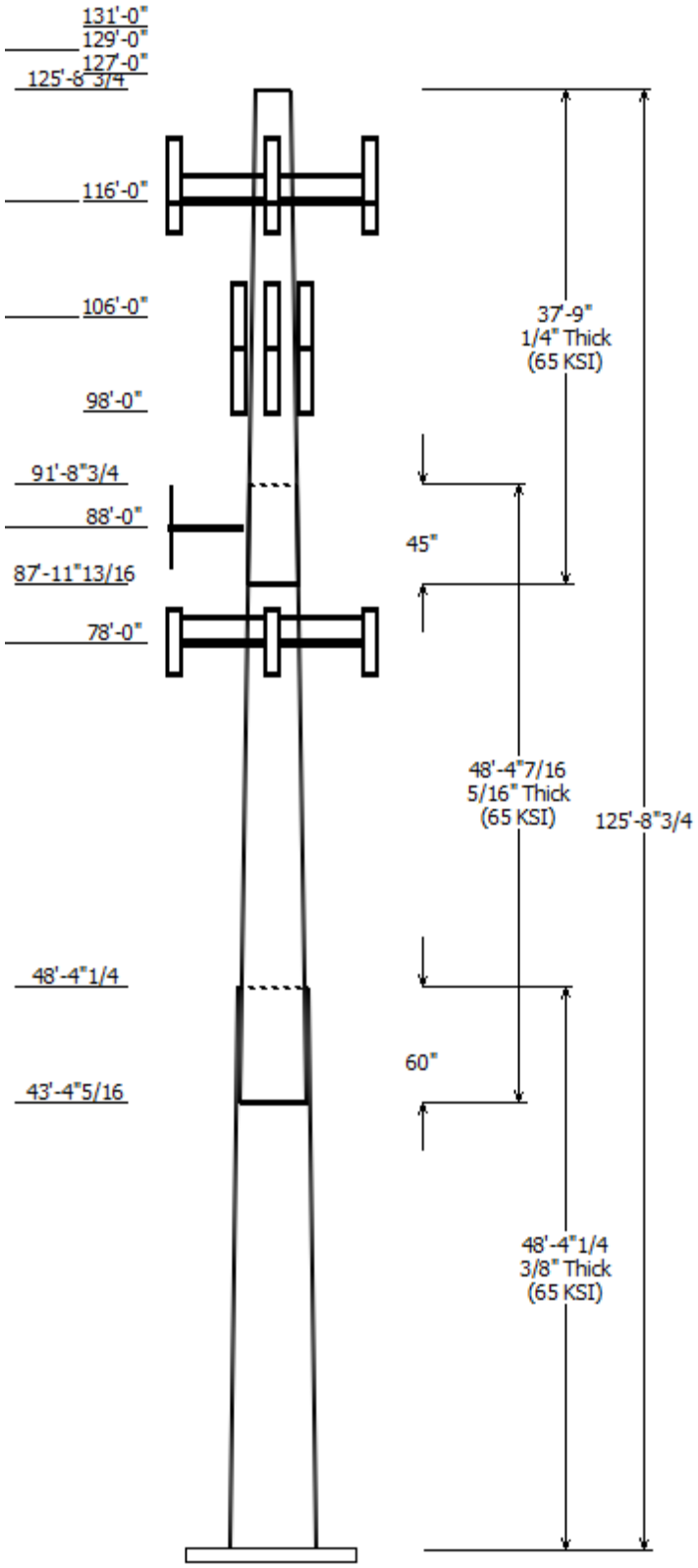
Shaft Section	Length (ft)	Diameter (in) Accross Flats Top	Bottom	Thick (in)	Joint Type	Overlap Length (in)	Shape	Steel Grade (ksi)
1	48.352	34.10	45.50	0.375		0.000	18 Sides	65
2	48.370	24.51	35.90	0.313	Slip Joint	59.906	18 Sides	65
3	37.748	17.00	25.89	0.250	Slip Joint	44.969	18 Sides	65

Discrete Appurtenance

Attach Elev (ft)	Force Elev (ft)	Qty	Description
131.000	131.000	3	Commscope NNVV-65B-R4
131.000	131.000	1	DragonWave A-ANT-18G-2-C
131.000	131.000	3	Nokia 2.5G MAA -
131.000	131.000	3	Alcatel-Lucent TD-RRH8x20
131.000	131.000	3	Alcatel-Lucent 1900 MHz 4X45
131.000	131.000	6	Alcatel-Lucent RRH2x50-08
131.000	131.000	1	DragonWave A-ANT-23G-1-C
131.000	131.000	2	DragonWave Horizon Compact
129.000	129.000	3	Generic Round T-Arm
127.000	127.000	3	Argus LLPX310R
116.000	116.000	1	Generic Round Platform with
116.000	120.000	3	RFS APXVAARR24_43-U-NA20
116.000	116.000	3	Ericsson AIR32 B66Aa/B2a
116.000	116.000	3	Ericsson AIR 6449 B41
116.000	116.000	3	Ericsson RRUS 4415 B25
116.000	116.000	3	Ericsson Radio 4449 B71 B85A
106.000	106.000	1	Site Pro 1 RMQLP-4120-H10 Plat
106.000	106.000	3	CCI OPA65R-BU4DA-K
106.000	106.000	3	CCI DMP65R-BU4D
106.000	106.000	6	CCI OPA-65R-LCUU-H4
106.000	106.000	3	Ericsson RRUS E2 B29
106.000	106.000	3	Ericsson RRUS 32 B30 (53 lbs)
106.000	106.000	3	Ericsson RRUS 4449 B5, B12
106.000	106.000	3	Ericsson RRUS 4478 B14
106.000	106.000	3	Ericsson Radio 8843 - B2 + B66
106.000	106.000	4	Raycap DC6-48-60-18-8F
98.000	101.000	3	Kathrein Scala 800 10504
98.000	101.000	3	Generic RCU (Remote Control
88.000	88.000	1	Flat Side Arm
88.000	88.000	1	Generic 5" x 3" x 2" Cavity Fi
88.000	88.000	1	Procom CXL 900-3LW
88.000	88.000	1	Generic Low Noise Amplifier
78.000	78.000	1	Generic Flat Platform with Han
78.000	78.000	3	JMA Wireless MX08FRO665-21
78.000	78.000	3	Fujitsu TA08025-B604
78.000	78.000	3	Fujitsu TA08025-B605
78.000	78.000	1	Commscope RDIDC-9181-PF-48

Linear Appurtenance

Elev (ft) From	To	Description	Exposed To Wind
0.000	78.000	1.75" (44.5mm)	Yes
0.000	88.000	1/2" Coax	No



0.000	98.000	1 5/8" Coax	Yes
0.000	98.000	3/8" Coax	Yes
0.000	106.0	0.39" (9.8mm)	Yes
0.000	106.0	0.78" (19.7mm) 8	Yes
0.000	106.0	1 5/8" Coax	Yes
0.000	106.0	1 5/8" Coax	Yes
0.000	106.0	3" conduit	Yes
0.000	116.0	1 1/4" (1.25"-	No
0.000	116.0	1 5/8" Hybriflex	No
0.000	120.0	1 5/8" (1.63"-	No
0.000	131.0	1 1/4" Hybriflex	No
0.000	131.0	1.7" (43.2mm)	No
0.000	131.0	1/2" Coax	No
0.000	131.0	2" conduit	No

Load Cases

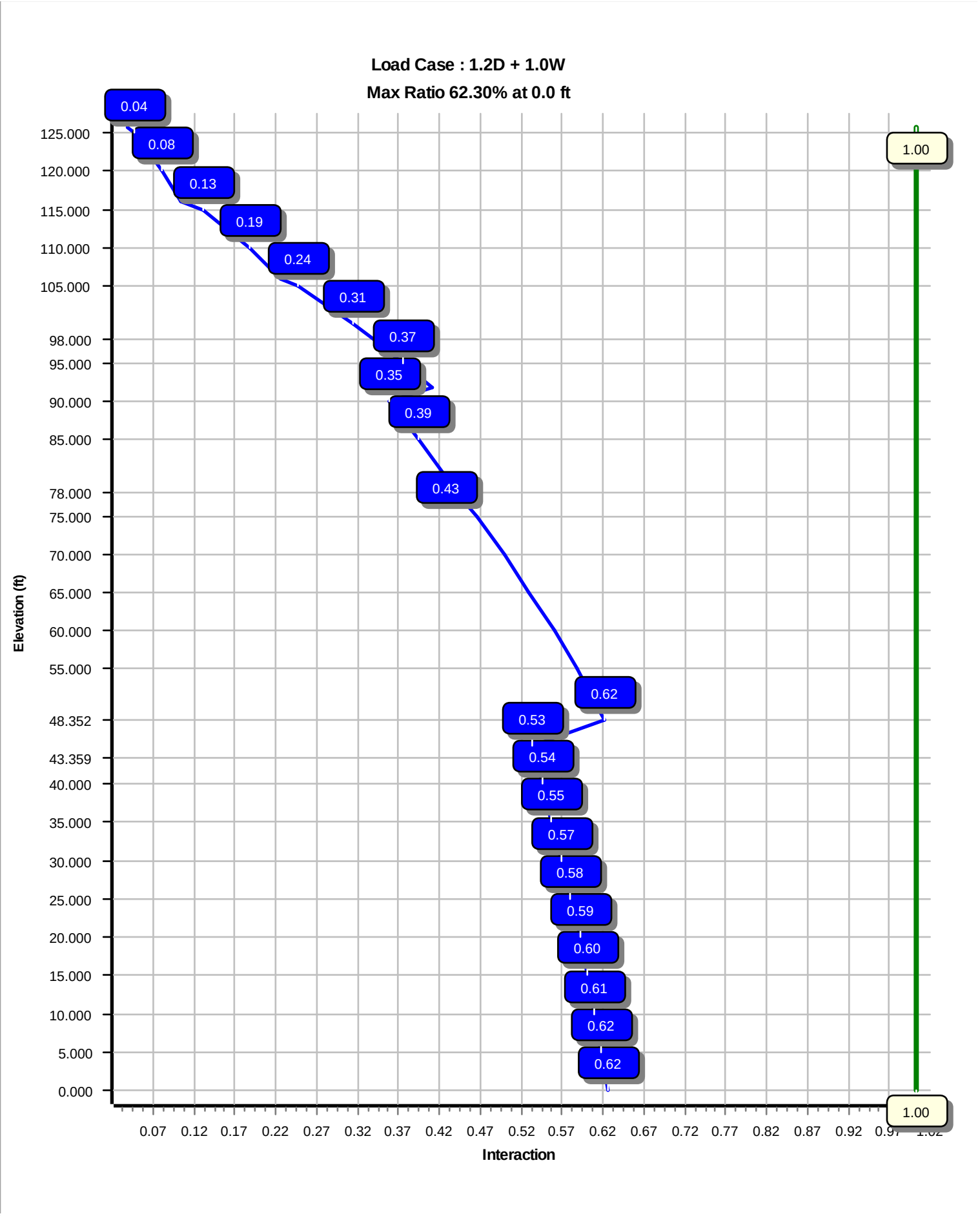
1.2D + 1.0W	119 mph with No Ice
0.9D + 1.0W	119 mph with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	50 mph with 1.00 in Radial Ice
1.2D + 1.0Ev + 1.0Eh	Seismic
0.9D - 1.0Ev + 1.0Eh	Seismic (Reduced DL)
1.0D + 1.0W	Serviceability 60 mph

Reactions

Load Case	Moment (kip-ft)	Shear (kip)	Axial (kip)
1.2D + 1.0W	2136.04	23.71	41.77
0.9D + 1.0W	2104.33	23.69	31.32
1.2D + 1.0Di + 1.0Wi	537.38	5.74	61.61
1.2D + 1.0Ev + 1.0Eh	112.40	1.05	41.89
0.9D - 1.0Ev + 1.0Eh	110.19	1.05	28.81
1.0D + 1.0W	481.54	5.39	34.85

Dish Deflections

Load Case	Attach Elev (ft)	Deflection (in)	Rotation (deg)
1.0D + 1.0W	125.73	17.700	1.235
1.0D + 1.0W	125.73	17.700	1.235


Load Case : 1.2D + 1.0W
Max Ratio 62.30% at 0.0 ft
0.04
0.08
0.13
0.19
0.24
0.31
0.37
0.35
0.39
0.43
0.62
0.53
0.54
0.55
0.57
0.58
0.59
0.60
0.61
0.62
0.62
1.00
1.00
125.000
120.000
115.000
110.000
105.000
98.000
95.000
90.000
85.000
78.000
75.000
70.000
65.000
60.000
55.000
48.352
43.359
40.000
35.000
30.000
25.000
20.000
15.000
10.000
5.000
0.000
Elevation (ft)
0.07
0.12
0.17
0.22
0.27
0.32
0.37
0.42
0.47
0.52
0.57
0.62
0.67
0.72
0.77
0.82
0.87
0.92
Interaction

Site Number: 302469 Code: ANSI/TIA-222-H

Site Name: Bridgeport CT 2, CT Engineering Number:13685427_C3_03 7/21/2021 3:47:59 PM

Customer: DISH WIRELESS L.L.C.

Analysis Parameters

Location :	Fairfield County, CT	Height (ft) :	125.73
Code :	ANSI/TIA-222-H	Base Diameter (in) :	45.50
Shape :	18 Sides	Top Diameter (in) :	17.00
Pole Type :	Taper	Taper (in/ft) :	0.236
Pole Manfacturer :	EEI	Rotation (deg) :	0.00
Kd (non-service) :	0.95	Ke :	1.00

Ice & Wind Parameters

Exposure Category:	B	Design Wind Speed Without Ice:	119 mph
Risk Category:	II	Design Wind Speed With Ice:	50 mph
Topographic Factor Procedure:	Method 1	Operational Wind Speed:	60 mph
Topographic Category:	1	Design Ice Thickness:	1.00 in
Crest Height:	0 ft	HMSL:	32.00 ft

Seismic Parameters

Analysis Method:	Equivalent Lateral Force Method				
Site Class:	D - Stiff Soil				
Period Based on Rayleigh Method (sec):	2.48				
T_L (sec):	6	p:	1	C_s:	0.030
S_s:	0.208	S_1:	0.054	C_s Max:	0.030
F_a:	1.600	F_v:	2.400	C_s Min:	0.030
S_{ds}:	0.222	S_{d1}:	0.086		

Load Cases

1.2D + 1.0W	119 mph with No Ice
0.9D + 1.0W	119 mph with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	50 mph with 1.00 in Radial Ice
1.2D + 1.0Ev + 1.0Eh	Seismic
0.9D - 1.0Ev + 1.0Eh	Seismic (Reduced DL)
1.0D + 1.0W	Serviceability 60 mph

Site Number: 302469 Code: ANSI/TIA-222-H

Site Name: Bridgeport CT 2, CT Engineering Number:13685427_C3_03 7/21/2021 3:47:59 PM

Customer: DISH WIRELESS L.L.C.

Shaft Section Properties

Sect Info	Length (ft)	Thick (in)	Fy (ksi)	Slip Joint Type	Slip Joint Len (in)	Weight (lb)	Bottom Dia (in)	Bottom Elev (ft)	Bottom Area (in²)	Bottom Ix (in⁴)	Bottom W/t Ratio	Bottom D/t Ratio	Top Dia (in)	Top Elev (ft)	Top Area (in²)	Top Ix (in⁴)	Top W/t Ratio	Top D/t Ratio	Taper (in/ft)
1-18	48.352	0.3750	65		0.00	7,721	45.50	0.00	53.71	13817.4	19.98	121.33	34.10	48.35	40.15	5771.8	14.63	90.95	0.235624
2-18	48.370	0.3125	65	Slip	59.91	4,881	35.90	43.36	35.31	5651.9	18.85	114.91	24.51	91.73	24.00	1775.7	12.42	78.44	0.235624
3-18	37.748	0.2500	65	Slip	44.97	2,160	25.89	87.98	20.35	1690.7	16.85	103.58	17.00	125.73	13.29	471.1	10.58	68.00	0.235624
				Shaft Weight		14,762													

Discrete Appurtenance Properties

Attach Elev (ft)	Description	Qty	Ka	Vert Ecc (ft)	No Ice Weight (lb)	No Ice EPAa (sf)	No Ice Orientation Factor	Ice Weight (lb)	Ice EPAa (sf)	Ice Orientation Factor
131.00	DragonWave Horizon Compact	2	0.80	0.000	10.60	0.721	0.50	25.35	1.094	0.50
131.00	DragonWave A-ANT-23G-1-C	1	1.00	0.000	15.00	1.610	1.00	38.18	2.107	1.00
131.00	Alcatel-Lucent RRH2x50-08	6	0.80	0.000	52.90	1.701	0.50	91.78	2.267	0.50
131.00	Alcatel-Lucent 1900 MHz 4X45	3	0.80	0.000	60.00	2.322	0.67	112.88	3.031	0.67
131.00	Alcatel-Lucent TD-RRH8x20	3	0.80	0.000	66.10	3.690	0.60	120.85	4.523	0.60
131.00	Nokia 2.5G MAA - AAHC(64T64R)	3	0.80	0.000	103.60	4.203	0.64	177.57	5.083	0.64
131.00	DragonWave A-ANT-18G-2-C	1	1.00	0.000	27.10	4.688	1.00	91.13	5.524	1.00
131.00	Commscope NNVV-65B-R4	3	0.80	0.000	77.40	12.271	0.64	242.27	14.111	0.64
129.00	Generic Round T-Arm	3	0.75	0.000	312.50	9.700	0.67	483.92	15.110	0.67
127.00	Argus LLPX310R	3	0.80	0.000	28.60	4.292	0.63	87.73	5.377	0.63
116.00	Ericsson Radio 4449 B71 B85A	3	0.75	0.000	75.00	1.650	0.50	114.14	2.203	0.50
116.00	Ericsson RRUS 4415 B25	3	0.75	0.000	46.00	1.842	0.50	77.91	2.426	0.50
116.00	Ericsson AIR 6449 B41	3	0.75	0.000	101.60	5.500	0.63	187.79	6.520	0.63
116.00	Ericsson AIR32 B66Aa/B2a	3	0.75	0.000	132.20	6.510	0.71	236.07	7.936	0.71
116.00	RFS APXVAARR24_43-U-NA20	3	0.75	4.000	127.90	20.243	0.63	383.39	22.657	0.63
116.00	Generic Round Platform with	1	1.00	0.000	2,500.00	27.200	1.00	3,554.12	43.108	1.00
106.00	Raycap DC6-48-60-18-8F	4	0.75	0.000	31.80	1.470	1.00	71.59	1.920	1.00
106.00	Ericsson Radio 8843 - B2 + B66A	3	0.75	0.000	71.90	1.650	0.50	111.63	2.196	0.50
106.00	Ericsson RRUS 4478 B14	3	0.75	0.000	59.90	1.842	0.50	95.56	2.420	0.50
106.00	Ericsson RRUS 4449 B5, B12	3	0.75	0.000	71.00	1.969	0.50	112.57	2.571	0.50
106.00	Ericsson RRUS 32 B30 (53 lbs)	3	0.75	0.000	53.00	2.743	0.67	100.44	3.497	0.67
106.00	Ericsson RRUS E2 B29	3	0.75	0.000	60.00	3.145	0.62	112.16	3.892	0.62
106.00	CCI OPA-65R-LCUU-H4	6	0.75	0.000	57.00	6.083	0.66	147.74	7.310	0.66
106.00	CCI DMP65R-BU4D	3	0.75	0.000	67.90	8.280	0.62	184.38	9.586	0.62
106.00	CCI OPA65R-BU4DA-K	3	0.75	0.000	52.50	8.435	0.62	170.72	9.750	0.62
106.00	Site Pro 1 RMQLP-4120-H10	1	1.00	0.000	2,500.00	27.200	1.00	3,623.24	39.421	1.00
98.00	Generic RCU (Remote Control	3	1.00	3.000	1.00	0.141	1.00	4.54	0.357	1.00
98.00	Kathrein Scala 800 10504	3	1.00	3.000	17.60	3.344	0.66	57.74	4.503	0.66
88.00	Procom CXL 900-3LW	1	1.00	0.000	1.50	0.130	1.00	4.89	0.579	1.00
88.00	Generic 5" x 3" x 2" Cavity Filter	1	1.00	0.000	1.50	0.141	1.00	4.60	0.315	1.00
88.00	Generic Low Noise Amplifier	1	1.00	0.000	2.00	0.167	1.00	5.57	0.351	1.00
88.00	Flat Side Arm	1	1.00	0.000	150.00	6.300	1.00	196.33	7.857	1.00
78.00	Commscope RDIDC-9181-PF-48	1	0.75	0.000	21.90	1.867	1.00	57.44	2.429	1.00
78.00	Fujitsu TA08025-B605	3	0.75	0.000	75.00	1.962	0.50	114.13	2.536	0.50
78.00	Fujitsu TA08025-B604	3	0.75	0.000	63.90	1.962	0.50	100.32	2.536	0.50
78.00	JMA Wireless MX08FRO665-21	3	0.75	0.000	64.50	12.489	0.64	225.02	14.244	0.64
78.00	Generic Flat Platform with	1	1.00	0.000	2,500.00	42.400	1.00	3,609.47	55.498	1.00
Totals	Num Loadings:37	97			13,894.10			23,800.36		

Linear Appurtenance Properties

Load Case Azimuth (deg) : 0

Elev From (ft)	Elev To (ft)	Qty	Description	Coax Dia (in)	Coax Wt (lb/ft)	Flat	Max Coax / Row	Dist Between Rows (in)	Dist Between Cols (in)	Azimuth (deg)	Dist From Face (in)	Exposed To Wind	Carrier
0.00	131.00	3	1 1/4" Hybriflex Cable	1.54	1.00	N	0	0.00	0.00	0	0.00	N	CLEARWIRE
0.00	131.00	1	1.7" (43.2mm) Hybrid	1.70	1.78	N	0	0.00	0.00	0	0.00	N	CLEARWIRE

0.00	131.00	3	1/2" Coax	0.63	0.15	N	0	0.00	0.00	0	0.00	N	CLEARWIRE
0.00	131.00	2	2" conduit	2.38	3.65	N	0	0.00	0.00	0	0.00	N	CLEARWIRE
0.00	120.00	2	1 5/8" (1.63"-41.3mm)	1.63	1.61	N	0	0.00	0.00	0	0.00	N	T-MOBILE
0.00	116.00	1	1 1/4" (1.25"- 31.8mm)	1.25	1.05	N	0	0.00	0.00	0	0.00	N	T-MOBILE
0.00	116.00	2	1 5/8" Hybriflex	1.98	1.30	N	0	0.00	0.00	0	0.00	N	T-MOBILE
0.00	106.00	4	0.39" (9.8mm) Cable	0.39	0.07	N	4	1.00	1.00	45	1.00	Y	AT&T MOBILITY
0.00	106.00	8	0.78" (19.7mm) 8 AWG	0.78	0.59	N	4	1.00	1.00	220	1.00	Y	AT&T MOBILITY
0.00	106.00	6	1 5/8" Coax	1.98	0.82	N	3	1.00	1.00	140	1.00	Y	AT&T MOBILITY
0.00	106.00	5	1 5/8" Coax	1.98	0.82	N	3	1.00	1.00	150	1.00	Y	AT&T MOBILITY
0.00	106.00	2	3" conduit	3.50	7.58	N	2	1.00	1.00	90	1.00	Y	AT&T MOBILITY
0.00	98.00	6	1 5/8" Coax	1.98	0.82	N	6	1.00	1.00	300	1.00	Y	METRO PCS INC
0.00	98.00	1	3/8" Coax	0.44	0.08	N	1	1.00	1.00	340	1.00	Y	METRO PCS INC
0.00	88.00	1	1/2" Coax	0.63	0.15	N	0	0.00	0.00	0	0.00	N	SIGFOX S.A.
0.00	78.00	1	1.75" (44.5mm) Hybrid	1.75	2.72	N	1	0.00	0.00	270	0.00	Y	DISH WIRELESS

Segment Properties (Max Len : 5. ft)

Seg Top Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	F'y (ksi)	S (in^3)	Z (in^3)	Weight (lb)
0.00		0.3750	45.500	53.708	13,817.4	19.98	121.33	77.9	598.1	0.0	0.0
5.00		0.3750	44.322	52.306	12,763.2	19.43	118.19	78.5	567.2	0.0	901.9
10.00		0.3750	43.144	50.904	11,764.0	18.88	115.05	79.2	537.1	0.0	878.0
15.00		0.3750	41.966	49.501	10,818.4	18.32	111.91	79.9	507.8	0.0	854.1
20.00		0.3750	40.788	48.099	9,924.8	17.77	108.77	80.5	479.3	0.0	830.3
25.00		0.3750	39.609	46.697	9,081.9	17.21	105.63	81.2	451.6	0.0	806.4
30.00		0.3750	38.431	45.295	8,288.1	16.66	102.48	81.8	424.8	0.0	782.6
35.00		0.3750	37.253	43.893	7,541.9	16.11	99.34	82.5	398.8	0.0	758.7
40.00		0.3750	36.075	42.490	6,842.0	15.55	96.20	82.6	373.6	0.0	734.9
43.36	Bot - Section 2	0.3750	35.283	41.548	6,396.9	15.18	94.09	82.6	357.1	0.0	480.3
45.00		0.3750	34.897	41.088	6,186.7	15.00	93.06	82.6	349.2	0.0	426.7
48.35	Top - Section 1	0.3125	34.732	34.139	5,109.9	18.19	111.14	80.0	289.8	0.0	857.1
50.00		0.3125	34.344	33.754	4,938.9	17.97	109.90	80.3	283.2	0.0	190.4
55.00		0.3125	33.166	32.585	4,443.5	17.30	106.13	81.0	263.9	0.0	564.3
60.00		0.3125	31.988	31.417	3,982.4	16.64	102.36	81.8	245.2	0.0	544.5
65.00		0.3125	30.809	30.248	3,554.4	15.97	98.59	82.6	227.2	0.0	524.6
70.00		0.3125	29.631	29.080	3,158.2	15.31	94.82	82.6	209.9	0.0	504.7
75.00		0.3125	28.453	27.911	2,792.5	14.64	91.05	82.6	193.3	0.0	484.8
78.00		0.3125	27.746	27.210	2,587.3	14.25	88.79	82.6	183.7	0.0	281.3
80.00		0.3125	27.275	26.743	2,456.3	13.98	87.28	82.6	177.4	0.0	183.6
85.00		0.3125	26.097	25.574	2,148.2	13.31	83.51	82.6	162.1	0.0	445.1
87.98	Bot - Section 3	0.3125	25.394	24.877	1,977.3	12.92	81.26	82.6	153.4	0.0	255.9
88.00		0.3125	25.390	24.873	1,976.3	12.92	81.25	82.6	153.3	0.0	2.8
90.00		0.3125	24.919	24.406	1,867.0	12.65	79.74	82.6	147.6	0.0	304.9
91.73	Top - Section 2	0.2500	25.011	19.647	1,522.0	16.23	100.05	82.3	119.9	0.0	259.0
95.00		0.2500	24.241	19.036	1,384.3	15.69	96.96	82.6	112.5	0.0	215.3
98.00		0.2500	23.534	18.475	1,265.5	15.19	94.14	82.6	105.9	0.0	191.5
100.0		0.2500	23.063	18.101	1,190.2	14.86	92.25	82.6	101.6	0.0	124.5
105.0		0.2500	21.884	17.166	1,015.1	14.02	87.54	82.6	91.4	0.0	300.0
106.0		0.2500	21.649	16.979	982.3	13.86	86.60	82.6	89.4	0.0	58.1
110.0		0.2500	20.706	16.232	858.2	13.19	82.83	82.6	81.6	0.0	226.0
115.0		0.2500	19.528	15.297	718.3	12.36	78.11	82.6	72.4	0.0	268.2
116.0		0.2500	19.293	15.110	692.3	12.20	77.17	82.6	70.7	0.0	51.7
120.0		0.2500	18.350	14.362	594.5	11.53	73.40	82.6	63.8	0.0	200.6
125.0		0.2500	17.172	13.427	485.8	10.70	68.69	82.6	55.7	0.0	236.4
125.7		0.2500	17.000	13.291	471.1	10.58	68.00	82.6	54.6	0.0	33.2
											14,762.2

Load Case: 1.2D + 1.0W — 119 mph with No Ice — 24 Iterations

Gust Response Factor :1.10
Dead Load Factor :1.20
Wind Load Factor :1.00

Applied Segment Forces Summary

Seg Elev (ft)	Description	Shaft Forces Wind FX (lb)	Shaft Forces Dead Load (lb)	Discrete Forces Wind FX (lb)	Discrete Forces Torsion MY (lb-ft)	Discrete Forces Moment MZ (lb-ft)	Discrete Forces Dead Load (lb)	Linear Forces Wind FX (lb)	Linear Forces Dead Load (lb)	Sum of Forces Wind FX (lb)	Sum of Forces Dead Load (lb)	Sum of Forces Torsion MY (lb-ft)	Sum of Forces Moment MZ (lb)
0.00		216.6	0.0					0.0	0.0	216.6	0.0	0.0	0.0
5.00		433.0	1,082.2					0.0	338.7	433.0	1,420.9	0.0	0.0
10.00		432.7	1,053.6					0.0	338.7	432.7	1,392.3	0.0	0.0
15.00		432.4	1,025.0					0.0	338.7	432.4	1,363.7	0.0	0.0
20.00		432.2	996.3					0.0	338.7	432.2	1,335.0	0.0	0.0
25.00		432.1	967.7					0.0	338.7	432.1	1,306.4	0.0	0.0
30.00		437.3	939.1					0.0	338.7	437.3	1,277.8	0.0	0.0
35.00		451.8	910.5					0.0	338.7	451.8	1,249.2	0.0	0.0
40.00		390.2	881.8					0.0	338.7	390.2	1,220.5	0.0	0.0
43.36	Bot - Section 2	240.4	576.4					0.0	227.6	240.4	804.0	0.0	0.0
45.00		250.2	512.0					0.0	111.1	250.2	623.2	0.0	0.0
48.35	Top - Section 1	252.5	1,028.5					0.0	227.0	252.5	1,255.5	0.0	0.0
50.00		344.8	228.5					0.0	111.7	344.8	340.2	0.0	0.0
55.00		525.8	677.2					0.0	338.7	525.8	1,015.9	0.0	0.0
60.00		524.6	653.4					108.0	338.7	632.6	992.1	0.0	0.0
65.00		517.0	629.5					114.5	338.7	631.5	968.2	0.0	0.0
70.00		507.9	605.6					121.0	338.7	628.9	944.3	0.0	0.0
75.00		399.7	581.8					124.2	338.7	524.0	920.5	0.0	0.0
78.00	Appurtenance(s)	245.9	337.6	2,305.8	0.0	0.0	3,758.5	75.8	203.2	2,627.6	4,299.4	0.0	0.0
80.00		337.4	220.3					51.1	129.0	388.5	349.3	0.0	0.0
85.00		379.6	534.1					129.4	322.4	509.0	856.4	0.0	0.0
87.98	Bot - Section 3	140.7	307.1					78.2	192.3	218.9	499.4	0.0	0.0
88.00	Appurtenance(s)	95.1	3.4	242.9	0.0	0.0	186.0	0.5	1.2	338.5	190.5	0.0	0.0
90.00		174.8	365.8					52.9	128.6	227.7	494.4	0.0	0.0
91.73	Top - Section 2	230.5	310.8					46.0	111.2	276.5	422.0	0.0	0.0
95.00		284.6	258.3					87.7	210.3	372.3	468.6	0.0	0.0
98.00	Appurtenance(s)	219.8	229.8	264.2	0.0	792.5	67.0	81.2	192.9	565.1	489.6	0.0	0.0
100.00		305.4	149.4					6.0	116.6	311.4	265.9	0.0	0.0
105.00		262.2	360.0					15.4	291.5	277.6	651.5	0.0	0.0
106.00	Appurtenance(s)	142.0	69.7	3,333.0	0.0	0.0	5,133.4	17.7	58.3	3,492.7	5,261.4	0.0	0.0
110.00		220.2	271.2					0.0	93.1	220.2	364.3	0.0	0.0
115.00		143.5	321.9					0.0	116.4	143.5	438.3	0.0	0.0
116.00	Appurtenance(s)	114.5	62.1	3,054.7	0.0	4,521.5	4,737.7	0.0	23.3	3,169.3	4,823.1	0.0	0.0
120.00		199.9	240.7					0.0	75.6	199.9	316.3	0.0	0.0
125.00		124.1	283.7					0.0	75.2	124.1	358.9	0.0	0.0
125.73		15.4	39.8					0.0	11.0	15.4	50.8	0.0	0.0
								Totals:		21,167.0	39,029.6	0.00	0.00

Load Case: 1.2D + 1.0W 119 mph with No Ice 24 Iterations

Gust Response Factor :1.10
Dead Load Factor :1.20
Wind Load Factor :1.00

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-41.77	-23.71	0.00	-2,136.04	0.00	2,136.04	3,765.29	942.58	3,841.82	3,494.42	0.00	0.00	0.623
5.00	-40.27	-23.42	0.00	-2,017.50	0.00	2,017.50	3,697.66	917.97	3,643.85	3,341.32	0.11	-0.21	0.615
10.00	-38.79	-23.13	0.00	-1,900.39	0.00	1,900.39	3,628.38	893.36	3,451.13	3,190.08	0.46	-0.43	0.607
15.00	-37.34	-22.83	0.00	-1,784.72	0.00	1,784.72	3,557.46	868.75	3,263.64	3,040.82	1.03	-0.65	0.598
20.00	-35.92	-22.53	0.00	-1,670.55	0.00	1,670.55	3,484.89	844.14	3,081.39	2,893.66	1.84	-0.88	0.588
25.00	-34.53	-22.21	0.00	-1,557.92	0.00	1,557.92	3,410.68	819.53	2,904.37	2,748.72	2.88	-1.11	0.578
30.00	-33.17	-21.89	0.00	-1,446.85	0.00	1,446.85	3,334.83	794.92	2,732.59	2,606.12	4.18	-1.35	0.566
35.00	-31.85	-21.54	0.00	-1,337.41	0.00	1,337.41	3,257.33	770.32	2,566.05	2,465.98	5.72	-1.59	0.553
40.00	-30.56	-21.22	0.00	-1,229.73	0.00	1,229.73	3,156.83	745.71	2,404.74	2,312.78	7.51	-1.83	0.542
43.36	-29.72	-21.02	0.00	-1,158.45	0.00	1,158.45	3,086.83	729.17	2,299.30	2,210.84	8.86	-2.00	0.534
45.00	-29.06	-20.81	0.00	-1,123.97	0.00	1,123.97	3,052.65	721.10	2,248.67	2,161.89	9.56	-2.08	0.530
48.35	-27.77	-20.57	0.00	-1,054.22	0.00	1,054.22	2,458.29	599.14	1,862.71	1,738.87	11.08	-2.25	0.619
50.00	-27.38	-20.30	0.00	-1,020.32	0.00	1,020.32	2,438.38	592.38	1,820.91	1,705.15	11.87	-2.33	0.611
55.00	-26.29	-19.86	0.00	-918.82	0.00	918.82	2,376.89	571.87	1,697.04	1,604.09	14.46	-2.61	0.585
60.00	-25.24	-19.30	0.00	-819.53	0.00	819.53	2,313.76	551.36	1,577.53	1,504.96	17.35	-2.89	0.557
65.00	-24.22	-18.74	0.00	-723.02	0.00	723.02	2,247.28	530.85	1,462.38	1,406.82	20.52	-3.17	0.526
70.00	-23.22	-18.16	0.00	-629.34	0.00	629.34	2,160.47	510.35	1,351.59	1,299.70	23.98	-3.44	0.496
75.00	-22.27	-17.66	0.00	-538.53	0.00	538.53	2,073.65	489.84	1,245.17	1,196.82	27.72	-3.70	0.462
78.00	-18.12	-14.80	0.00	-485.55	0.00	485.55	2,021.56	477.53	1,183.41	1,137.12	30.10	-3.86	0.437
80.00	-17.76	-14.44	0.00	-455.95	0.00	455.95	1,986.84	469.33	1,143.11	1,098.18	31.73	-3.96	0.425
85.00	-16.89	-13.93	0.00	-383.75	0.00	383.75	1,900.02	448.82	1,045.41	1,003.78	36.01	-4.20	0.392
87.98	-16.40	-13.69	0.00	-342.21	0.00	342.21	1,848.25	436.59	989.23	949.50	38.68	-4.35	0.370
88.00	-16.22	-13.36	0.00	-341.96	0.00	341.96	1,847.94	436.52	988.89	949.18	38.69	-4.35	0.370
90.00	-15.72	-13.11	0.00	-315.25	0.00	315.25	1,813.21	428.32	952.08	913.62	40.53	-4.44	0.355
91.73	-15.30	-12.84	0.00	-292.58	0.00	292.58	1,455.48	344.81	771.23	739.90	42.15	-4.52	0.407
95.00	-14.83	-12.46	0.00	-250.59	0.00	250.59	1,414.28	334.08	723.98	696.35	45.30	-4.66	0.372
98.00	-14.37	-11.89	0.00	-212.41	0.00	212.41	1,372.61	324.24	681.95	655.72	48.27	-4.81	0.336
100.00	-14.10	-11.59	0.00	-188.63	0.00	188.63	1,344.82	317.68	654.63	629.30	50.30	-4.90	0.312
105.00	-13.45	-11.29	0.00	-130.66	0.00	130.66	1,275.37	301.27	588.77	565.65	55.53	-5.09	0.243
106.00	-8.51	-7.35	0.00	-119.38	0.00	119.38	1,261.48	297.99	576.02	553.33	56.60	-5.12	0.223
110.00	-8.15	-7.11	0.00	-89.98	0.00	89.98	1,205.92	284.86	526.40	505.39	60.94	-5.24	0.185
115.00	-7.72	-6.94	0.00	-54.41	0.00	54.41	1,136.47	268.46	467.53	448.52	66.49	-5.36	0.129
116.00	-3.22	-3.34	0.00	-42.94	0.00	42.94	1,122.58	265.18	456.17	437.56	67.62	-5.38	0.101
120.00	-2.92	-3.11	0.00	-29.60	0.00	29.60	1,067.02	252.05	412.14	395.05	72.15	-5.44	0.078
125.00	-2.57	-2.95	0.00	-14.05	0.00	14.05	997.57	235.65	360.25	344.97	77.87	-5.50	0.043
125.73	0.00	-2.69	0.00	-11.90	0.00	11.90	987.43	233.25	352.96	337.94	78.71	-5.50	0.035

Load Case: 0.9D + 1.0W — 119 mph with No Ice (Reduced DL) — 24 Iterations

Gust Response Factor :1.10
Dead Load Factor :0.90
Wind Load Factor :1.00

Applied Segment Forces Summary

Seg Elev (ft)	Description	Shaft Forces Wind FX (lb)	Shaft Forces Dead Load (lb)	Discrete Forces Wind FX (lb)	Discrete Forces Torsion MY (lb-ft)	Discrete Forces Moment MZ (lb-ft)	Discrete Forces Dead Load (lb)	Linear Forces Wind FX (lb)	Linear Forces Dead Load (lb)	Sum of Forces Wind FX (lb)	Sum of Forces Dead Load (lb)	Sum of Forces Torsion MY (lb-ft)	Sum of Forces Moment MZ (lb)
0.00		216.6	0.0					0.0	0.0	216.6	0.0	0.0	0.0
5.00		433.0	811.7					0.0	254.0	433.0	1,065.7	0.0	0.0
10.00		432.7	790.2					0.0	254.0	432.7	1,044.2	0.0	0.0
15.00		432.4	768.7					0.0	254.0	432.4	1,022.8	0.0	0.0
20.00		432.2	747.3					0.0	254.0	432.2	1,001.3	0.0	0.0
25.00		432.1	725.8					0.0	254.0	432.1	979.8	0.0	0.0
30.00		437.3	704.3					0.0	254.0	437.3	958.3	0.0	0.0
35.00		451.8	682.8					0.0	254.0	451.8	936.9	0.0	0.0
40.00		390.2	661.4					0.0	254.0	390.2	915.4	0.0	0.0
43.36	Bot - Section 2	240.4	432.3					0.0	170.7	240.4	603.0	0.0	0.0
45.00		250.2	384.0					0.0	83.4	250.2	467.4	0.0	0.0
48.35	Top - Section 1	252.5	771.3					0.0	170.3	252.5	941.6	0.0	0.0
50.00		344.8	171.4					0.0	83.7	344.8	255.1	0.0	0.0
55.00		525.8	507.9					0.0	254.0	525.8	761.9	0.0	0.0
60.00		524.6	490.0					108.0	254.0	632.6	744.0	0.0	0.0
65.00		517.0	472.1					114.5	254.0	631.5	726.1	0.0	0.0
70.00		507.9	454.2					121.0	254.0	628.9	708.3	0.0	0.0
75.00		399.7	436.3					124.2	254.0	524.0	690.4	0.0	0.0
78.00	Appurtenance(s)	245.9	253.2	2,305.8	0.0	0.0	2,818.9	75.8	152.4	2,627.6	3,224.5	0.0	0.0
80.00		337.4	165.2					51.1	96.7	388.5	261.9	0.0	0.0
85.00		379.6	400.5					129.4	241.8	509.0	642.3	0.0	0.0
87.98	Bot - Section 3	140.7	230.4					78.2	144.2	218.9	374.5	0.0	0.0
88.00	Appurtenance(s)	95.1	2.5	242.9	0.0	0.0	139.5	0.5	0.9	338.5	142.9	0.0	0.0
90.00		174.8	274.4					52.9	96.4	227.7	370.8	0.0	0.0
91.73	Top - Section 2	230.5	233.1					46.0	83.4	276.5	316.5	0.0	0.0
95.00		284.6	193.7					87.7	157.7	372.3	351.5	0.0	0.0
98.00	Appurtenance(s)	219.8	172.3	264.2	0.0	792.5	50.2	81.2	144.7	565.1	367.2	0.0	0.0
100.00		305.4	112.0					6.0	87.4	311.4	199.5	0.0	0.0
105.00		262.2	270.0					15.4	218.6	277.6	488.6	0.0	0.0
106.00	Appurtenance(s)	142.0	52.3	3,333.0	0.0	0.0	3,850.0	17.7	43.7	3,492.7	3,946.0	0.0	0.0
110.00		220.2	203.4					0.0	69.8	220.2	273.3	0.0	0.0
115.00		143.5	241.4					0.0	87.3	143.5	328.7	0.0	0.0
116.00	Appurtenance(s)	114.5	46.6	3,054.7	0.0	4,521.5	3,553.3	0.0	17.5	3,169.3	3,617.3	0.0	0.0
120.00		199.9	180.5					0.0	56.7	199.9	237.2	0.0	0.0
125.00		124.1	212.8					0.0	56.4	124.1	269.1	0.0	0.0
125.73		15.4	29.9					0.0	8.2	15.4	38.1	0.0	0.0
								Totals:		21,167.0	29,272.1	0.00	0.00

Load Case: 0.9D + 1.0W 119 mph with No Ice (Reduced DL) 24 Iterations

Gust Response Factor :1.10
Dead Load Factor :0.90
Wind Load Factor :1.00

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-31.32	-23.69	0.00	-2,104.33	0.00	2,104.33	3,765.29	942.58	3,841.82	3,494.42	0.00	0.00	0.611
5.00	-30.17	-23.36	0.00	-1,985.90	0.00	1,985.90	3,697.66	917.97	3,643.85	3,341.32	0.11	-0.21	0.603
10.00	-29.04	-23.04	0.00	-1,869.08	0.00	1,869.08	3,628.38	893.36	3,451.13	3,190.08	0.45	-0.43	0.595
15.00	-27.93	-22.70	0.00	-1,753.91	0.00	1,753.91	3,557.46	868.75	3,263.64	3,040.82	1.01	-0.64	0.585
20.00	-26.85	-22.36	0.00	-1,640.40	0.00	1,640.40	3,484.89	844.14	3,081.39	2,893.66	1.81	-0.87	0.575
25.00	-25.79	-22.02	0.00	-1,528.59	0.00	1,528.59	3,410.68	819.53	2,904.37	2,748.72	2.84	-1.09	0.564
30.00	-24.75	-21.66	0.00	-1,418.51	0.00	1,418.51	3,334.83	794.92	2,732.59	2,606.12	4.11	-1.33	0.552
35.00	-23.74	-21.28	0.00	-1,310.22	0.00	1,310.22	3,257.33	770.32	2,566.05	2,465.98	5.62	-1.56	0.539
40.00	-22.77	-20.94	0.00	-1,203.81	0.00	1,203.81	3,156.83	745.71	2,404.74	2,312.78	7.38	-1.80	0.529
43.36	-22.13	-20.73	0.00	-1,133.45	0.00	1,133.45	3,086.83	729.17	2,299.30	2,210.84	8.71	-1.96	0.521
45.00	-21.62	-20.51	0.00	-1,099.43	0.00	1,099.43	3,052.65	721.10	2,248.67	2,161.89	9.39	-2.04	0.516
48.35	-20.65	-20.27	0.00	-1,030.69	0.00	1,030.69	2,458.29	599.14	1,862.71	1,738.87	10.89	-2.21	0.602
50.00	-20.35	-19.98	0.00	-997.28	0.00	997.28	2,438.38	592.38	1,820.91	1,705.15	11.66	-2.29	0.594
55.00	-19.51	-19.51	0.00	-897.39	0.00	897.39	2,376.89	571.87	1,697.04	1,604.09	14.21	-2.56	0.569
60.00	-18.71	-18.94	0.00	-799.82	0.00	799.82	2,313.76	551.36	1,577.53	1,504.96	17.03	-2.83	0.541
65.00	-17.93	-18.35	0.00	-705.14	0.00	705.14	2,247.28	530.85	1,462.38	1,406.82	20.15	-3.10	0.510
70.00	-17.18	-17.76	0.00	-613.39	0.00	613.39	2,160.47	510.35	1,351.59	1,299.70	23.53	-3.37	0.481
75.00	-16.46	-17.25	0.00	-524.59	0.00	524.59	2,073.65	489.84	1,245.17	1,196.82	27.20	-3.62	0.447
78.00	-13.38	-14.45	0.00	-472.82	0.00	472.82	2,021.56	477.53	1,183.41	1,137.12	29.52	-3.77	0.423
80.00	-13.11	-14.09	0.00	-443.92	0.00	443.92	1,986.84	469.33	1,143.11	1,098.18	31.12	-3.87	0.412
85.00	-12.46	-13.58	0.00	-373.48	0.00	373.48	1,900.02	448.82	1,045.41	1,003.78	35.31	-4.11	0.380
87.98	-12.08	-13.34	0.00	-333.00	0.00	333.00	1,848.25	436.59	989.23	949.50	37.92	-4.25	0.358
88.00	-11.95	-13.01	0.00	-332.76	0.00	332.76	1,847.94	436.52	988.89	949.18	37.93	-4.25	0.358
90.00	-11.58	-12.77	0.00	-306.75	0.00	306.75	1,813.21	428.32	952.08	913.62	39.73	-4.34	0.343
91.73	-11.27	-12.49	0.00	-284.67	0.00	284.67	1,455.48	344.81	771.23	739.90	41.32	-4.42	0.394
95.00	-10.91	-12.12	0.00	-243.81	0.00	243.81	1,414.28	334.08	723.98	696.35	44.40	-4.56	0.359
98.00	-10.57	-11.55	0.00	-206.67	0.00	206.67	1,372.61	324.24	681.95	655.72	47.30	-4.70	0.324
100.00	-10.37	-11.24	0.00	-183.58	0.00	183.58	1,344.82	317.68	654.63	629.30	49.29	-4.79	0.301
105.00	-9.89	-10.94	0.00	-127.35	0.00	127.35	1,275.37	301.27	588.77	565.65	54.40	-4.97	0.234
106.00	-6.25	-7.13	0.00	-116.41	0.00	116.41	1,261.48	297.99	576.02	553.33	55.45	-5.01	0.216
110.00	-5.98	-6.90	0.00	-87.89	0.00	87.89	1,205.92	284.86	526.40	505.39	59.69	-5.13	0.179
115.00	-5.66	-6.73	0.00	-53.39	0.00	53.39	1,136.47	268.46	467.53	448.52	65.12	-5.24	0.125
116.00	-2.35	-3.25	0.00	-42.14	0.00	42.14	1,122.58	265.18	456.17	437.56	66.22	-5.26	0.099
120.00	-2.13	-3.03	0.00	-29.15	0.00	29.15	1,067.02	252.05	412.14	395.05	70.64	-5.32	0.076
125.00	-1.87	-2.88	0.00	-14.00	0.00	14.00	997.57	235.65	360.25	344.97	76.24	-5.37	0.043
125.73	0.00	-2.69	0.00	-11.90	0.00	11.90	987.43	233.25	352.96	337.94	77.06	-5.38	0.035

Load Case: 1.2D + 1.0Di + 1.0Wi — 50 mph with 1.00 in Radial Ice — 24 Iterations

Gust Response Factor :1.10 Ice Dead Load Factor :1.00
Dead Load Factor :1.20 Ice Importance Factor :1.00
Wind Load Factor :1.00

Applied Segment Forces Summary

Seg Elev (ft)	Description	Shaft Forces Wind FX (lb)	Shaft Forces Dead Load (lb)	Discrete Forces Wind FX (lb)	Discrete Forces Torsion MY (lb-ft)	Discrete Forces Moment MZ (lb-ft)	Discrete Forces Dead Load (lb)	Linear Forces Wind FX (lb)	Linear Forces Dead Load (lb)	Sum of Forces Wind FX (lb)	Sum of Forces Dead Load (lb)	Sum of Forces Torsion MY (lb-ft)	Sum of Forces Moment MZ (lb)
0.00		55.1	0.0					0.0	0.0	55.1	0.0	0.0	0.0
5.00		109.0	1,300.5					0.0	621.1	109.0	1,921.6	0.0	0.0
10.00		106.6	1,291.3					0.0	640.6	106.6	1,931.9	0.0	0.0
15.00		103.9	1,268.7					0.0	650.5	103.9	1,919.2	0.0	0.0
20.00		101.3	1,241.7					0.0	657.5	101.3	1,899.1	0.0	0.0
25.00		98.6	1,212.3					0.0	662.8	98.6	1,875.1	0.0	0.0
30.00		97.0	1,181.5					0.0	667.2	97.0	1,848.7	0.0	0.0
35.00		97.3	1,149.7					0.0	671.0	97.3	1,820.7	0.0	0.0
40.00		82.0	1,117.1					0.0	674.2	82.0	1,791.4	0.0	0.0
43.36	Bot - Section 2	49.5	732.8					0.0	454.7	49.5	1,187.5	0.0	0.0
45.00		50.0	589.4					0.0	222.5	50.0	811.9	0.0	0.0
48.35	Top - Section 1	50.1	1,183.9					0.0	455.4	50.1	1,639.3	0.0	0.0
50.00		66.4	304.5					0.0	224.4	66.4	528.9	0.0	0.0
55.00		99.7	901.7					46.4	682.2	146.1	1,583.8	0.0	0.0
60.00		99.9	872.1					48.3	684.4	148.1	1,556.5	0.0	0.0
65.00		100.2	842.3					50.1	686.4	150.4	1,528.7	0.0	0.0
70.00		100.1	812.2					51.9	688.3	152.0	1,500.5	0.0	0.0
75.00		79.6	781.9					53.7	690.1	133.3	1,472.0	0.0	0.0
78.00	Appurtenance(s)	49.5	455.5	513.7	0.0	0.0	5,185.8	33.0	414.9	596.2	6,056.1	0.0	0.0
80.00		68.7	297.9					22.4	267.3	91.1	565.2	0.0	0.0
85.00		77.8	720.7					57.8	669.3	135.7	1,390.0	0.0	0.0
87.98	Bot - Section 3	29.1	416.1					35.8	399.8	64.8	815.9	0.0	0.0
88.00	Appurtenance(s)	19.8	4.0	57.9	0.0	0.0	229.6	0.2	2.4	77.9	236.1	0.0	0.0
90.00		36.5	439.2					24.5	268.1	61.0	707.3	0.0	0.0
91.73	Top - Section 2	48.3	373.4					21.5	232.0	69.9	605.4	0.0	0.0
95.00		60.1	373.6					41.2	439.2	101.3	812.8	0.0	0.0
98.00	Appurtenance(s)	45.6	332.9	66.1	0.0	198.3	168.6	38.8	403.4	150.5	904.8	0.0	0.0
100.00		58.7	217.0					26.4	224.2	85.1	441.1	0.0	0.0
105.00		49.9	521.4					88.5	561.1	138.4	1,082.4	0.0	0.0
106.00	Appurtenance(s)	40.3	101.7	756.2	0.0	0.0	7,606.1	18.1	112.3	814.6	7,820.1	0.0	0.0
110.00		70.8	394.4					0.0	93.1	70.8	487.5	0.0	0.0
115.00		46.3	468.1					0.0	116.4	46.3	584.5	0.0	0.0
116.00	Appurtenance(s)	37.2	91.1	707.1	0.0	893.4	6,767.3	0.0	23.3	744.3	6,881.7	0.0	0.0
120.00		65.1	351.6					0.0	75.6	65.1	427.2	0.0	0.0
125.00		40.6	414.4					0.0	75.2	40.6	489.6	0.0	0.0
125.73		5.0	58.8					0.0	11.0	5.0	69.7	0.0	0.0
								Totals:		5,155.42	57,194.2	0.00	0.00

Site Number: 302469 Code: ANSI/TIA-222-H

Site Name: Bridgeport CT 2, CT Engineering Number:13685427_C3_03 7/21/2021 3:48:09 PM

Customer: DISH WIRELESS L.L.C.

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph with 1.00 in Radial Ice 24 Iterations

Gust Response Factor :1.10 Ice Dead Load Factor :1.00

Dead Load Factor :1.20 Ice Importance Factor :1.00

Wind Load Factor :1.00

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-61.61	-5.74	0.00	-537.38	0.00	537.38	3,765.29	942.58	3,841.82	3,494.42	0.00	0.00	0.170
5.00	-59.68	-5.69	0.00	-508.69	0.00	508.69	3,697.66	917.97	3,643.85	3,341.32	0.03	-0.05	0.168
10.00	-57.74	-5.63	0.00	-480.25	0.00	480.25	3,628.38	893.36	3,451.13	3,190.08	0.11	-0.11	0.167
15.00	-55.82	-5.58	0.00	-452.09	0.00	452.09	3,557.46	868.75	3,263.64	3,040.82	0.26	-0.17	0.164
20.00	-53.91	-5.53	0.00	-424.19	0.00	424.19	3,484.89	844.14	3,081.39	2,893.66	0.46	-0.22	0.162
25.00	-52.03	-5.47	0.00	-396.55	0.00	396.55	3,410.68	819.53	2,904.37	2,748.72	0.73	-0.28	0.160
30.00	-50.18	-5.42	0.00	-369.18	0.00	369.18	3,334.83	794.92	2,732.59	2,606.12	1.06	-0.34	0.157
35.00	-48.35	-5.36	0.00	-342.08	0.00	342.08	3,257.33	770.32	2,566.05	2,465.98	1.45	-0.40	0.154
40.00	-46.56	-5.31	0.00	-315.26	0.00	315.26	3,156.83	745.71	2,404.74	2,312.78	1.90	-0.46	0.151
43.36	-45.37	-5.28	0.00	-297.42	0.00	297.42	3,086.83	729.17	2,299.30	2,210.84	2.24	-0.51	0.149
45.00	-44.55	-5.24	0.00	-288.77	0.00	288.77	3,052.65	721.10	2,248.67	2,161.89	2.42	-0.53	0.148
48.35	-42.91	-5.20	0.00	-271.19	0.00	271.19	2,458.29	599.14	1,862.71	1,738.87	2.81	-0.57	0.173
50.00	-42.38	-5.17	0.00	-262.62	0.00	262.62	2,438.38	592.38	1,820.91	1,705.15	3.01	-0.59	0.171
55.00	-40.79	-5.05	0.00	-236.79	0.00	236.79	2,376.89	571.87	1,697.04	1,604.09	3.67	-0.67	0.165
60.00	-39.23	-4.93	0.00	-211.53	0.00	211.53	2,313.76	551.36	1,577.53	1,504.96	4.41	-0.74	0.158
65.00	-37.70	-4.81	0.00	-186.86	0.00	186.86	2,247.28	530.85	1,462.38	1,406.82	5.22	-0.81	0.150
70.00	-36.20	-4.68	0.00	-162.81	0.00	162.81	2,160.47	510.35	1,351.59	1,299.70	6.10	-0.88	0.142
75.00	-34.72	-4.56	0.00	-139.41	0.00	139.41	2,073.65	489.84	1,245.17	1,196.82	7.06	-0.95	0.133
78.00	-28.67	-3.87	0.00	-125.74	0.00	125.74	2,021.56	477.53	1,183.41	1,137.12	7.67	-0.99	0.125
80.00	-28.11	-3.80	0.00	-118.00	0.00	118.00	1,986.84	469.33	1,143.11	1,098.18	8.09	-1.01	0.122
85.00	-26.72	-3.66	0.00	-99.02	0.00	99.02	1,900.02	448.82	1,045.41	1,003.78	9.18	-1.08	0.113
87.98	-25.90	-3.59	0.00	-88.11	0.00	88.11	1,848.25	436.59	989.23	949.50	9.87	-1.11	0.107
88.00	-25.67	-3.51	0.00	-88.05	0.00	88.05	1,847.94	436.52	988.89	949.18	9.87	-1.11	0.107
90.00	-24.96	-3.44	0.00	-81.03	0.00	81.03	1,813.21	428.32	952.08	913.62	10.34	-1.14	0.103
91.73	-24.35	-3.37	0.00	-75.08	0.00	75.08	1,455.48	344.81	771.23	739.90	10.76	-1.16	0.118
95.00	-23.54	-3.27	0.00	-64.05	0.00	64.05	1,414.28	334.08	723.98	696.35	11.57	-1.20	0.109
98.00	-22.64	-3.11	0.00	-54.04	0.00	54.04	1,372.61	324.24	681.95	655.72	12.33	-1.23	0.099
100.00	-22.20	-3.03	0.00	-47.81	0.00	47.81	1,344.82	317.68	654.63	629.30	12.85	-1.25	0.093
105.00	-21.12	-2.88	0.00	-32.65	0.00	32.65	1,275.37	301.27	588.77	565.65	14.19	-1.30	0.074
106.00	-13.32	-1.89	0.00	-29.77	0.00	29.77	1,261.48	297.99	576.02	553.33	14.47	-1.31	0.064
110.00	-12.83	-1.82	0.00	-22.21	0.00	22.21	1,205.92	284.86	526.40	505.39	15.58	-1.34	0.055
115.00	-12.25	-1.76	0.00	-13.13	0.00	13.13	1,136.47	268.46	467.53	448.52	17.00	-1.37	0.040
116.00	-5.38	-0.85	0.00	-10.48	0.00	10.48	1,122.58	265.18	456.17	437.56	17.29	-1.38	0.029
120.00	-4.96	-0.78	0.00	-7.07	0.00	7.07	1,067.02	252.05	412.14	395.05	18.45	-1.39	0.023
125.00	-4.47	-0.72	0.00	-3.19	0.00	3.19	997.57	235.65	360.25	344.97	19.91	-1.40	0.014
125.73	0.00	-0.62	0.00	-2.66	0.00	2.66	987.43	233.25	352.96	337.94	20.13	-1.40	0.008

Load Case: 1.0D + 1.0W Serviceability 60 mph 23 Iterations

Gust Response Factor :1.10
Dead Load Factor :1.00
Wind Load Factor :1.00

Applied Segment Forces Summary

		Shaft Forces		Discrete Forces				Linear Forces		Sum of Forces			
Seg Elev (ft)	Description	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Torsion MY (lb-ft)	Moment MZ (lb)
0.00		49.3	0.0					0.0	0.0	49.3	0.0	0.0	0.0
5.00		98.5	901.9					0.0	282.3	98.5	1,184.1	0.0	0.0
10.00		98.4	878.0					0.0	282.3	98.4	1,160.2	0.0	0.0
15.00		98.4	854.1					0.0	282.3	98.4	1,136.4	0.0	0.0
20.00		98.3	830.3					0.0	282.3	98.3	1,112.5	0.0	0.0
25.00		98.3	806.4					0.0	282.3	98.3	1,088.7	0.0	0.0
30.00		99.5	782.6					0.0	282.3	99.5	1,064.8	0.0	0.0
35.00		102.8	758.7					0.0	282.3	102.8	1,041.0	0.0	0.0
40.00		88.8	734.9					0.0	282.3	88.8	1,017.1	0.0	0.0
43.36	Bot - Section 2	54.7	480.3					0.0	189.6	54.7	670.0	0.0	0.0
45.00		56.9	426.7					0.0	92.6	56.9	519.3	0.0	0.0
48.35	Top - Section 1	57.4	857.1					0.0	189.2	57.4	1,046.3	0.0	0.0
50.00		78.4	190.4					0.0	93.1	78.4	283.5	0.0	0.0
55.00		119.6	564.3					0.0	282.3	119.6	846.6	0.0	0.0
60.00		119.3	544.5					24.6	282.3	143.9	826.7	0.0	0.0
65.00		117.6	524.6					26.0	282.3	143.6	806.8	0.0	0.0
70.00		115.5	504.7					27.5	282.3	143.1	786.9	0.0	0.0
75.00		90.9	484.8					28.3	282.3	119.2	767.1	0.0	0.0
78.00	Appurtenance(s)	55.9	281.3	524.5	0.0	0.0	3,132.1	17.2	169.4	597.7	3,582.8	0.0	0.0
80.00		76.8	183.6					11.6	107.5	88.4	291.0	0.0	0.0
85.00		86.3	445.1					29.4	268.7	115.8	713.7	0.0	0.0
87.98	Bot - Section 3	32.0	255.9					17.8	160.2	49.8	416.2	0.0	0.0
88.00	Appurtenance(s)	21.6	2.8	55.3	0.0	0.0	155.0	0.1	1.0	77.0	158.8	0.0	0.0
90.00		39.8	304.9					12.0	107.2	51.8	412.0	0.0	0.0
91.73	Top - Section 2	52.4	259.0					10.5	92.7	62.9	351.6	0.0	0.0
95.00		64.7	215.3					20.0	175.2	84.7	390.5	0.0	0.0
98.00	Appurtenance(s)	50.0	191.5	60.1	0.0	180.3	55.8	18.5	160.7	128.5	408.0	0.0	0.0
100.00		69.5	124.5					1.4	97.2	70.8	221.6	0.0	0.0
105.00		59.7	300.0					3.5	242.9	63.2	542.9	0.0	0.0
106.00	Appurtenance(s)	32.3	58.1	758.1	0.0	0.0	4,277.8	4.0	48.6	794.5	4,384.5	0.0	0.0
110.00		50.1	226.0					0.0	77.6	50.1	303.6	0.0	0.0
115.00		32.6	268.2					0.0	97.0	32.6	365.2	0.0	0.0
116.00	Appurtenance(s)	26.0	51.7	694.8	0.0	1,028.5	3,948.1	0.0	19.4	720.9	4,019.2	0.0	0.0
120.00		45.5	200.6					0.0	63.0	45.5	263.6	0.0	0.0
125.00		28.2	236.4					0.0	62.6	28.2	299.0	0.0	0.0
125.73		3.5	33.2					0.0	9.1	3.5	42.3	0.0	0.0
								Totals:		4,814.64	32,524.6	0.00	0.00

Load Case: 1.0D + 1.0W Serviceability 60 mph 23 Iterations

Gust Response Factor :1.10
Dead Load Factor :1.00
Wind Load Factor :1.00

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-34.85	-5.39	0.00	-481.54	0.00	481.54	3,765.29	942.58	3,841.82	3,494.42	0.00	0.00	0.147
5.00	-33.66	-5.32	0.00	-454.60	0.00	454.60	3,697.66	917.97	3,643.85	3,341.32	0.03	-0.05	0.145
10.00	-32.49	-5.25	0.00	-428.00	0.00	428.00	3,628.38	893.36	3,451.13	3,190.08	0.10	-0.10	0.143
15.00	-31.35	-5.17	0.00	-401.77	0.00	401.77	3,557.46	868.75	3,263.64	3,040.82	0.23	-0.15	0.141
20.00	-30.24	-5.10	0.00	-375.90	0.00	375.90	3,484.89	844.14	3,081.39	2,893.66	0.41	-0.20	0.139
25.00	-29.14	-5.02	0.00	-350.41	0.00	350.41	3,410.68	819.53	2,904.37	2,748.72	0.65	-0.25	0.136
30.00	-28.08	-4.95	0.00	-325.29	0.00	325.29	3,334.83	794.92	2,732.59	2,606.12	0.94	-0.30	0.133
35.00	-27.03	-4.86	0.00	-300.56	0.00	300.56	3,257.33	770.32	2,566.05	2,465.98	1.29	-0.36	0.130
40.00	-26.01	-4.79	0.00	-276.26	0.00	276.26	3,156.83	745.71	2,404.74	2,312.78	1.69	-0.41	0.128
43.36	-25.34	-4.74	0.00	-260.18	0.00	260.18	3,086.83	729.17	2,299.30	2,210.84	1.99	-0.45	0.126
45.00	-24.82	-4.69	0.00	-252.40	0.00	252.40	3,052.65	721.10	2,248.67	2,161.89	2.15	-0.47	0.125
48.35	-23.77	-4.64	0.00	-236.68	0.00	236.68	2,458.29	599.14	1,862.71	1,738.87	2.49	-0.51	0.146
50.00	-23.48	-4.57	0.00	-229.04	0.00	229.04	2,438.38	592.38	1,820.91	1,705.15	2.67	-0.52	0.144
55.00	-22.63	-4.47	0.00	-206.18	0.00	206.18	2,376.89	571.87	1,697.04	1,604.09	3.26	-0.59	0.138
60.00	-21.80	-4.34	0.00	-183.83	0.00	183.83	2,313.76	551.36	1,577.53	1,504.96	3.90	-0.65	0.132
65.00	-20.99	-4.21	0.00	-162.13	0.00	162.13	2,247.28	530.85	1,462.38	1,406.82	4.62	-0.71	0.125
70.00	-20.20	-4.08	0.00	-141.09	0.00	141.09	2,160.47	510.35	1,351.59	1,299.70	5.40	-0.77	0.118
75.00	-19.44	-3.96	0.00	-120.70	0.00	120.70	2,073.65	489.84	1,245.17	1,196.82	6.24	-0.83	0.110
78.00	-15.86	-3.32	0.00	-108.81	0.00	108.81	2,021.56	477.53	1,183.41	1,137.12	6.77	-0.87	0.104
80.00	-15.57	-3.24	0.00	-102.17	0.00	102.17	1,986.84	469.33	1,143.11	1,098.18	7.14	-0.89	0.101
85.00	-14.85	-3.12	0.00	-85.98	0.00	85.98	1,900.02	448.82	1,045.41	1,003.78	8.10	-0.94	0.094
87.98	-14.44	-3.07	0.00	-76.67	0.00	76.67	1,848.25	436.59	989.23	949.50	8.70	-0.98	0.089
88.00	-14.28	-2.99	0.00	-76.62	0.00	76.62	1,847.94	436.52	988.89	949.18	8.70	-0.98	0.088
90.00	-13.87	-2.94	0.00	-70.63	0.00	70.63	1,813.21	428.32	952.08	913.62	9.12	-1.00	0.085
91.73	-13.52	-2.88	0.00	-65.55	0.00	65.55	1,455.48	344.81	771.23	739.90	9.48	-1.02	0.098
95.00	-13.13	-2.79	0.00	-56.15	0.00	56.15	1,414.28	334.08	723.98	696.35	10.19	-1.05	0.090
98.00	-12.72	-2.66	0.00	-47.60	0.00	47.60	1,372.61	324.24	681.95	655.72	10.86	-1.08	0.082
100.00	-12.50	-2.59	0.00	-42.28	0.00	42.28	1,344.82	317.68	654.63	629.30	11.31	-1.10	0.077
105.00	-11.95	-2.52	0.00	-29.31	0.00	29.31	1,275.37	301.27	588.77	565.65	12.49	-1.14	0.061
106.00	-7.59	-1.64	0.00	-26.79	0.00	26.79	1,261.48	297.99	576.02	553.33	12.73	-1.15	0.054
110.00	-7.28	-1.59	0.00	-20.21	0.00	20.21	1,205.92	284.86	526.40	505.39	13.70	-1.18	0.046
115.00	-6.92	-1.55	0.00	-12.25	0.00	12.25	1,136.47	268.46	467.53	448.52	14.95	-1.20	0.033
116.00	-2.92	-0.75	0.00	-9.67	0.00	9.67	1,122.58	265.18	456.17	437.56	15.21	-1.21	0.025
120.00	-2.65	-0.70	0.00	-6.68	0.00	6.68	1,067.02	252.05	412.14	395.05	16.22	-1.22	0.019
125.00	-2.35	-0.66	0.00	-3.19	0.00	3.19	997.57	235.65	360.25	344.97	17.51	-1.23	0.012
125.73	0.00	-0.61	0.00	-2.71	0.00	2.71	987.43	233.25	352.96	337.94	17.70	-1.24	0.008

Equivalent Lateral Forces Method Analysis

Spectral Response Acceleration for Short Period (S_s):	0.21
Spectral Response Acceleration at 1.0 Second Period (S_1):	0.05
Long-Period Transition Period (T_L):	6
Importance Factor (I_E):	1.00
Site Coefficient F_a:	1.60
Site Coeffiecient F_v:	2.40
Response Modification Coefficient (R):	1.50
Design Spectral Response Acceleration at Short Period (S_{ds}):	0.22
Design Spectral Response Acceleration at 1.0 Second Period (S_{d1}):	0.09
Seismic Response Coefficient (C_s):	0.03
Upper Limit C_s	0.03
Lower Limit C_s	0.03
Period based on Rayleigh Method (sec):	2.48
Redundancy Factor (p):	1.00
Seismic Force Distribution Exponent (k):	1.99
Total Unfactored Dead Load:	34.85 k
Seismic Base Shear (E):	1.05 k

Load Case 1.2D + 1.0Ev + 1.0Eh Seismic

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
35	125.37	42	631	0.003	3	53
34	122.50	299	4,255	0.019	20	372
33	118.00	264	3,482	0.015	16	328
32	115.50	71	900	0.004	4	89
31	112.50	365	4,387	0.020	20	454
30	108.00	304	3,363	0.015	16	378
29	105.50	107	1,128	0.005	5	133
28	102.50	543	5,420	0.024	25	676
27	99.00	222	2,065	0.009	10	276
26	96.50	352	3,118	0.014	15	438
25	93.36	391	3,238	0.014	15	486
24	90.86	352	2,762	0.012	13	438
23	89.00	412	3,106	0.014	14	513
22	87.99	4	28	0.000	0	5
21	86.49	416	2,964	0.013	14	518
20	82.50	714	4,627	0.021	22	888
19	79.00	291	1,731	0.008	8	362
18	76.50	451	2,514	0.011	12	561
17	72.50	767	3,846	0.017	18	955
16	67.50	787	3,423	0.015	16	979
15	62.50	807	3,011	0.013	14	1,004
14	57.50	827	2,614	0.012	12	1,029
13	52.50	847	2,234	0.010	10	1,053
12	49.18	283	657	0.003	3	353
11	46.68	1,046	2,185	0.010	10	1,302

10	44.18	519	972	0.004	5	646
9	41.68	670	1,117	0.005	5	834
8	37.50	1,017	1,374	0.006	6	1,266
7	32.50	1,041	1,058	0.005	5	1,295
6	27.50	1,065	776	0.003	4	1,325
5	22.50	1,089	533	0.002	2	1,355
4	17.50	1,113	330	0.001	2	1,384
3	12.50	1,136	173	0.001	1	1,414
2	7.50	1,160	64	0.000	0	1,444
1	2.50	1,184	7	0.000	0	1,473
DragonWave Horizon C	125.73	21	318	0.001	1	26
DragonWave A-ANT-23G	125.73	15	225	0.001	1	19
Alcatel-Lucent RRH2x	125.73	317	4,757	0.021	22	395
Alcatel-Lucent 1900	125.73	180	2,697	0.012	13	224
Alcatel-Lucent TD-RR	125.73	198	2,972	0.013	14	247
Nokia 2.5G MAA - AAH	125.73	311	4,658	0.021	22	387
DragonWave A-ANT-18G	125.73	27	406	0.002	2	34
Commscope NNVV-65B-R	125.73	232	3,480	0.015	16	289
Generic Round T-Arm	125.73	938	14,049	0.062	65	1,167
Argus LLPX310R	125.73	86	1,286	0.006	6	107
Ericsson Radio 4449	116.00	225	2,873	0.013	13	280
Ericsson RRUS 4415 B	116.00	138	1,762	0.008	8	172
Ericsson AIR 6449 B4	116.00	305	3,892	0.017	18	379
Ericsson AIR32 B66Aa	116.00	397	5,064	0.023	24	494
RFS APXVAARR24_43-U-	116.00	384	4,899	0.022	23	477
Generic Round Platfo	116.00	2,500	31,919	0.142	148	3,111
Raycap DC6-48-60-18-	106.00	127	1,357	0.006	6	158
Ericsson Radio 8843	106.00	216	2,302	0.010	11	268
Ericsson RRUS 4478 B	106.00	180	1,918	0.009	9	224
Ericsson RRUS 4449 B	106.00	213	2,273	0.010	11	265
Ericsson RRUS 32 B30	106.00	159	1,697	0.008	8	198
Ericsson RRUS E2 B29	106.00	180	1,921	0.009	9	224
CCI OPA-65R-LCUU-H4	106.00	342	3,650	0.016	17	426
CCI DMP65R-BU4D	106.00	204	2,174	0.010	10	253
CCI OPA65R-BU4DA-K	106.00	157	1,681	0.007	8	196
Site Pro 1 RMQLP-412	106.00	2,500	26,680	0.119	124	3,111
Generic RCU (Remote	98.00	3	27	0.000	0	4
Kathrein Scala 800 1	98.00	53	482	0.002	2	66
Procom CXL 900-3LW	88.00	2	11	0.000	0	2
Generic 5" x 3" x 2"	88.00	2	11	0.000	0	2
Generic Low Noise Am	88.00	2	15	0.000	0	2
Flat Side Arm	88.00	150	1,106	0.005	5	187
Commscope RDIDC-9181	78.00	22	127	0.001	1	27
Fujitsu TA08025-B605	78.00	225	1,305	0.006	6	280
Fujitsu TA08025-B604	78.00	192	1,112	0.005	5	239
JMA Wireless MX08FRO	78.00	193	1,122	0.005	5	241
Generic Flat Platfor	78.00	2,500	14,495	0.064	67	3,111
		34,850	224,808	1.000	1,045	43,366

Load Case 0.9D - 1.0Ev + 1.0Eh Seismic (Reduced DL)

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
35	125.37	42	631	0.003	3	36
34	122.50	299	4,255	0.019	20	256
33	118.00	264	3,482	0.015	16	226
32	115.50	71	900	0.004	4	61
31	112.50	365	4,387	0.020	20	312
30	108.00	304	3,363	0.015	16	260
29	105.50	107	1,128	0.005	5	91
28	102.50	543	5,420	0.024	25	465

27	99.00	222	2,065	0.009	10	190
26	96.50	352	3,118	0.014	15	301
25	93.36	391	3,238	0.014	15	334
24	90.86	352	2,762	0.012	13	301
23	89.00	412	3,106	0.014	14	353
22	87.99	4	28	0.000	0	3
21	86.49	416	2,964	0.013	14	356
20	82.50	714	4,627	0.021	22	611
19	79.00	291	1,731	0.008	8	249
18	76.50	451	2,514	0.011	12	386
17	72.50	767	3,846	0.017	18	656
16	67.50	787	3,423	0.015	16	673
15	62.50	807	3,011	0.013	14	690
14	57.50	827	2,614	0.012	12	707
13	52.50	847	2,234	0.010	10	724
12	49.18	283	657	0.003	3	243
11	46.68	1,046	2,185	0.010	10	895
10	44.18	519	972	0.004	5	444
9	41.68	670	1,117	0.005	5	573
8	37.50	1,017	1,374	0.006	6	870
7	32.50	1,041	1,058	0.005	5	891
6	27.50	1,065	776	0.003	4	911
5	22.50	1,089	533	0.002	2	932
4	17.50	1,113	330	0.001	2	952
3	12.50	1,136	173	0.001	1	972
2	7.50	1,160	64	0.000	0	993
1	2.50	1,184	7	0.000	0	1,013
DragonWave Horizon C	125.73	21	318	0.001	1	18
DragonWave A-ANT-23G	125.73	15	225	0.001	1	13
Alcatel-Lucent RRH2x	125.73	317	4,757	0.021	22	272
Alcatel-Lucent 1900	125.73	180	2,697	0.012	13	154
Alcatel-Lucent TD-RR	125.73	198	2,972	0.013	14	170
Nokia 2.5G MAA - AAH	125.73	311	4,658	0.021	22	266
DragonWave A-ANT-18G	125.73	27	406	0.002	2	23
Commscope NNVV-65B-R	125.73	232	3,480	0.015	16	199
Generic Round T-Arm	125.73	938	14,049	0.062	65	802
Argus LLPX310R	125.73	86	1,286	0.006	6	73
Ericsson Radio 4449	116.00	225	2,873	0.013	13	193
Ericsson RRUS 4415 B	116.00	138	1,762	0.008	8	118
Ericsson AIR 6449 B4	116.00	305	3,892	0.017	18	261
Ericsson AIR32 B66Aa	116.00	397	5,064	0.023	24	339
RFS APXVAARR24_43-U-	116.00	384	4,899	0.022	23	328
Generic Round Platfo	116.00	2,500	31,919	0.142	148	2,139
Raycap DC6-48-60-18-	106.00	127	1,357	0.006	6	109
Ericsson Radio 8843	106.00	216	2,302	0.010	11	185
Ericsson RRUS 4478 B	106.00	180	1,918	0.009	9	154
Ericsson RRUS 4449 B	106.00	213	2,273	0.010	11	182
Ericsson RRUS 32 B30	106.00	159	1,697	0.008	8	136
Ericsson RRUS E2 B29	106.00	180	1,921	0.009	9	154
CCI OPA-65R-LCUU-H4	106.00	342	3,650	0.016	17	293
CCI DMP65R-BU4D	106.00	204	2,174	0.010	10	174
CCI OPA65R-BU4DA-K	106.00	157	1,681	0.007	8	135
Site Pro 1 RMQLP-412	106.00	2,500	26,680	0.119	124	2,139
Generic RCU (Remote	98.00	3	27	0.000	0	3
Kathrein Scala 800 1	98.00	53	482	0.002	2	45
Procom CXL 900-3LW	88.00	2	11	0.000	0	1
Generic 5" x 3" x 2"	88.00	2	11	0.000	0	1
Generic Low Noise Am	88.00	2	15	0.000	0	2
Flat Side Arm	88.00	150	1,106	0.005	5	128
Commscope RDIDC-9181	78.00	22	127	0.001	1	19
Fujitsu TA08025-B605	78.00	225	1,305	0.006	6	193
Fujitsu TA08025-B604	78.00	192	1,112	0.005	5	164
JMA Wireless MX08FRO	78.00	193	1,122	0.005	5	166
Generic Flat Platfor	78.00	2,500	14,495	0.064	67	2,139

	34,850	224,808	1.000	1,045	29,819

Load Case 1.2D + 1.0Ev + 1.0Eh Seismic

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-41.89	-1.05	0.00	-112.40	0.00	112.40	3,765.29	942.58	3,841.82	3,494.42	0.00	0.00	0.043
5.00	-40.45	-1.06	0.00	-107.16	0.00	107.16	3,697.66	917.97	3,643.85	3,341.32	0.01	-0.01	0.043
10.00	-39.03	-1.06	0.00	-101.88	0.00	101.88	3,628.38	893.36	3,451.13	3,190.08	0.02	-0.02	0.043
15.00	-37.65	-1.07	0.00	-96.56	0.00	96.56	3,557.46	868.75	3,263.64	3,040.82	0.05	-0.03	0.042
20.00	-36.29	-1.07	0.00	-91.21	0.00	91.21	3,484.89	844.14	3,081.39	2,893.66	0.10	-0.05	0.042
25.00	-34.97	-1.08	0.00	-85.84	0.00	85.84	3,410.68	819.53	2,904.37	2,748.72	0.15	-0.06	0.041
30.00	-33.67	-1.08	0.00	-80.46	0.00	80.46	3,334.83	794.92	2,732.59	2,606.12	0.22	-0.07	0.041
35.00	-32.41	-1.08	0.00	-75.07	0.00	75.07	3,257.33	770.32	2,566.05	2,465.98	0.31	-0.09	0.040
40.00	-31.57	-1.08	0.00	-69.68	0.00	69.68	3,156.83	745.71	2,404.74	2,312.78	0.41	-0.10	0.040
43.36	-30.93	-1.08	0.00	-66.06	0.00	66.06	3,086.83	729.17	2,299.30	2,210.84	0.48	-0.11	0.040
45.00	-29.63	-1.07	0.00	-64.29	0.00	64.29	3,052.65	721.10	2,248.67	2,161.89	0.52	-0.11	0.039
48.35	-29.27	-1.07	0.00	-60.72	0.00	60.72	2,458.29	599.14	1,862.71	1,738.87	0.60	-0.12	0.047
50.00	-28.22	-1.06	0.00	-58.96	0.00	58.96	2,438.38	592.38	1,820.91	1,705.15	0.64	-0.13	0.046
55.00	-27.19	-1.05	0.00	-53.66	0.00	53.66	2,376.89	571.87	1,697.04	1,604.09	0.79	-0.14	0.045
60.00	-26.19	-1.04	0.00	-48.40	0.00	48.40	2,313.76	551.36	1,577.53	1,504.96	0.95	-0.16	0.043
65.00	-25.21	-1.03	0.00	-43.19	0.00	43.19	2,247.28	530.85	1,462.38	1,406.82	1.13	-0.18	0.042
70.00	-24.25	-1.02	0.00	-38.03	0.00	38.03	2,160.47	510.35	1,351.59	1,299.70	1.32	-0.19	0.040
75.00	-23.69	-1.01	0.00	-32.94	0.00	32.94	2,073.65	489.84	1,245.17	1,196.82	1.53	-0.21	0.039
78.00	-19.43	-0.90	0.00	-29.92	0.00	29.92	2,021.56	477.53	1,183.41	1,137.12	1.67	-0.22	0.036
80.00	-18.54	-0.88	0.00	-28.11	0.00	28.11	1,986.84	469.33	1,143.11	1,098.18	1.76	-0.23	0.035
85.00	-18.03	-0.87	0.00	-23.70	0.00	23.70	1,900.02	448.82	1,045.41	1,003.78	2.01	-0.24	0.033
87.98	-18.02	-0.87	0.00	-21.11	0.00	21.11	1,848.25	436.59	989.23	949.50	2.16	-0.25	0.032
88.00	-17.31	-0.85	0.00	-21.09	0.00	21.09	1,847.94	436.52	988.89	949.18	2.16	-0.25	0.032
90.00	-16.88	-0.84	0.00	-19.40	0.00	19.40	1,813.21	428.32	952.08	913.62	2.27	-0.26	0.031
91.73	-16.39	-0.82	0.00	-17.95	0.00	17.95	1,455.48	344.81	771.23	739.90	2.36	-0.26	0.036
95.00	-15.95	-0.81	0.00	-15.27	0.00	15.27	1,414.28	334.08	723.98	696.35	2.54	-0.27	0.033
98.00	-15.61	-0.79	0.00	-12.85	0.00	12.85	1,372.61	324.24	681.95	655.72	2.71	-0.28	0.031
100.00	-14.93	-0.77	0.00	-11.26	0.00	11.26	1,344.82	317.68	654.63	629.30	2.83	-0.28	0.029
105.00	-14.80	-0.76	0.00	-7.42	0.00	7.42	1,275.37	301.27	588.77	565.65	3.13	-0.29	0.025
106.00	-9.10	-0.51	0.00	-6.65	0.00	6.65	1,261.48	297.99	576.02	553.33	3.20	-0.30	0.019
110.00	-8.65	-0.49	0.00	-4.63	0.00	4.63	1,205.92	284.86	526.40	505.39	3.45	-0.30	0.016
115.00	-8.56	-0.48	0.00	-2.20	0.00	2.20	1,136.47	268.46	467.53	448.52	3.77	-0.31	0.012
116.00	-3.32	-0.20	0.00	-1.72	0.00	1.72	1,122.58	265.18	456.17	437.56	3.83	-0.31	0.007
120.00	-2.95	-0.18	0.00	-0.90	0.00	0.90	1,067.02	252.05	412.14	395.05	4.09	-0.31	0.005
125.00	0.00	0.00	0.00	0.00	0.00	0.00	997.57	235.65	360.25	344.97	4.42	-0.31	0.000
125.73	0.00	0.00	0.00	0.00	0.00	0.00	987.43	233.25	352.96	337.94	4.47	-0.31	0.000

Load Case 0.9D - 1.0Ev + 1.0Eh Seismic (Reduced DL)

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-28.81	-1.05	0.00	-110.19	0.00	110.19	3,765.29	942.58	3,841.82	3,494.42	0.00	0.00	0.039
5.00	-27.81	-1.05	0.00	-104.95	0.00	104.95	3,697.66	917.97	3,643.85	3,341.32	0.01	-0.01	0.039
10.00	-26.84	-1.06	0.00	-99.69	0.00	99.69	3,628.38	893.36	3,451.13	3,190.08	0.02	-0.02	0.039
15.00	-25.89	-1.06	0.00	-94.40	0.00	94.40	3,557.46	868.75	3,263.64	3,040.82	0.05	-0.03	0.038
20.00	-24.96	-1.06	0.00	-89.10	0.00	89.10	3,484.89	844.14	3,081.39	2,893.66	0.10	-0.05	0.038
25.00	-24.04	-1.06	0.00	-83.78	0.00	83.78	3,410.68	819.53	2,904.37	2,748.72	0.15	-0.06	0.038
30.00	-23.15	-1.06	0.00	-78.47	0.00	78.47	3,334.83	794.92	2,732.59	2,606.12	0.22	-0.07	0.037
35.00	-22.28	-1.06	0.00	-73.15	0.00	73.15	3,257.33	770.32	2,566.05	2,465.98	0.30	-0.08	0.037
40.00	-21.71	-1.06	0.00	-67.85	0.00	67.85	3,156.83	745.71	2,404.74	2,312.78	0.40	-0.10	0.036
43.36	-21.27	-1.06	0.00	-64.29	0.00	64.29	3,086.83	729.17	2,299.30	2,210.84	0.47	-0.11	0.036
45.00	-20.37	-1.05	0.00	-62.56	0.00	62.56	3,052.65	721.10	2,248.67	2,161.89	0.51	-0.11	0.036
48.35	-20.13	-1.05	0.00	-59.05	0.00	59.05	2,458.29	599.14	1,862.71	1,738.87	0.59	-0.12	0.042
50.00	-19.40	-1.04	0.00	-57.33	0.00	57.33	2,438.38	592.38	1,820.91	1,705.15	0.63	-0.13	0.042
55.00	-18.70	-1.03	0.00	-52.14	0.00	52.14	2,376.89	571.87	1,697.04	1,604.09	0.77	-0.14	0.040
60.00	-18.00	-1.02	0.00	-47.00	0.00	47.00	2,313.76	551.36	1,577.53	1,504.96	0.93	-0.16	0.039
65.00	-17.33	-1.00	0.00	-41.92	0.00	41.92	2,247.28	530.85	1,462.38	1,406.82	1.10	-0.17	0.038
70.00	-16.67	-0.99	0.00	-36.89	0.00	36.89	2,160.47	510.35	1,351.59	1,299.70	1.29	-0.19	0.036
75.00	-16.29	-0.98	0.00	-31.95	0.00	31.95	2,073.65	489.84	1,245.17	1,196.82	1.50	-0.20	0.035
78.00	-13.36	-0.88	0.00	-29.01	0.00	29.01	2,021.56	477.53	1,183.41	1,137.12	1.63	-0.21	0.032
80.00	-12.75	-0.86	0.00	-27.25	0.00	27.25	1,986.84	469.33	1,143.11	1,098.18	1.72	-0.22	0.031
85.00	-12.39	-0.84	0.00	-22.97	0.00	22.97	1,900.02	448.82	1,045.41	1,003.78	1.96	-0.23	0.029
87.98	-12.39	-0.84	0.00	-20.45	0.00	20.45	1,848.25	436.59	989.23	949.50	2.11	-0.24	0.028
88.00	-11.90	-0.82	0.00	-20.44	0.00	20.44	1,847.94	436.52	988.89	949.18	2.11	-0.24	0.028
90.00	-11.60	-0.81	0.00	-18.79	0.00	18.79	1,813.21	428.32	952.08	913.62	2.21	-0.25	0.027
91.73	-11.27	-0.80	0.00	-17.39	0.00	17.39	1,455.48	344.81	771.23	739.90	2.30	-0.25	0.031
95.00	-10.97	-0.78	0.00	-14.79	0.00	14.79	1,414.28	334.08	723.98	696.35	2.48	-0.26	0.029
98.00	-10.73	-0.77	0.00	-12.44	0.00	12.44	1,372.61	324.24	681.95	655.72	2.65	-0.27	0.027
100.00	-10.27	-0.74	0.00	-10.91	0.00	10.91	1,344.82	317.68	654.63	629.30	2.76	-0.28	0.025
105.00	-10.18	-0.74	0.00	-7.19	0.00	7.19	1,275.37	301.27	588.77	565.65	3.05	-0.29	0.021
106.00	-6.26	-0.49	0.00	-6.45	0.00	6.45	1,261.48	297.99	576.02	553.33	3.12	-0.29	0.017
110.00	-5.94	-0.47	0.00	-4.48	0.00	4.48	1,205.92	284.86	526.40	505.39	3.36	-0.29	0.014
115.00	-5.88	-0.47	0.00	-2.13	0.00	2.13	1,136.47	268.46	467.53	448.52	3.67	-0.30	0.010
116.00	-2.28	-0.20	0.00	-1.67	0.00	1.67	1,122.58	265.18	456.17	437.56	3.73	-0.30	0.006
120.00	-2.02	-0.18	0.00	-0.88	0.00	0.88	1,067.02	252.05	412.14	395.05	3.99	-0.30	0.004
125.00	0.00	0.00	0.00	0.00	0.00	0.00	997.57	235.65	360.25	344.97	4.31	-0.30	0.000
125.73	0.00	0.00	0.00	0.00	0.00	0.00	987.43	233.25	352.96	337.94	4.35	-0.30	0.000

Analysis Summary

	Reactions						Max Usage	
Load Case	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)	Elev (ft)	Interaction Ratio
1.2D + 1.0W	23.71	0.00	41.77	0.00	0.00	2136.04	0.00	0.62
0.9D + 1.0W	23.69	0.00	31.32	0.00	0.00	2104.33	0.00	0.61
1.2D + 1.0Di + 1.0Wi	5.74	0.00	61.61	0.00	0.00	537.38	48.35	0.17
1.2D + 1.0Ev + 1.0Eh	1.05	0.00	41.89	0.00	0.00	112.40	48.35	0.05
0.9D - 1.0Ev + 1.0Eh	1.05	0.00	28.81	0.00	0.00	110.19	48.35	0.04
1.0D + 1.0W	5.39	0.00	34.85	0.00	0.00	481.54	0.00	0.15

Base Plate & Anchor Rod Analysis

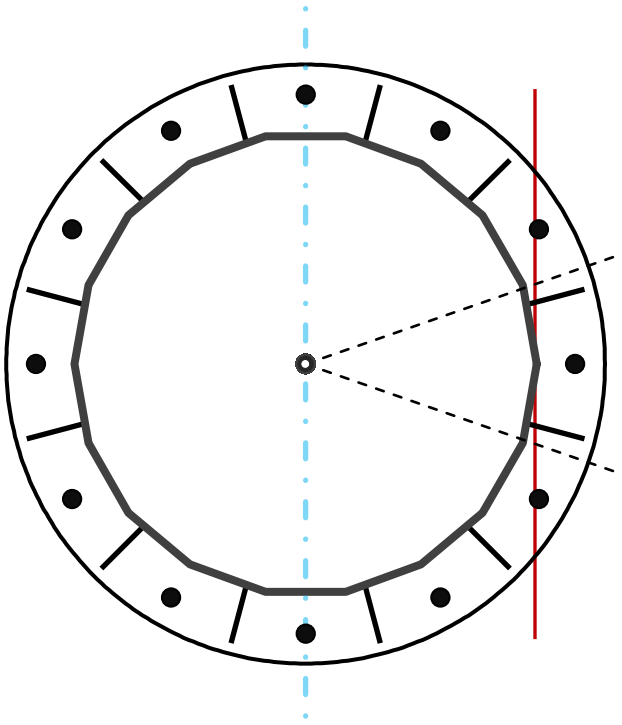
Pole Dimensions		
Number of Sides	18	-
Diameter	45.5	in
Thickness	3/8	in
Orientation Offset	0	°

Base Reactions		
Moment, Mu	2,136.0	k-ft
Axial, Pu	41.8	k
Shear, Vu	23.7	k
Neutral Axis	270	°

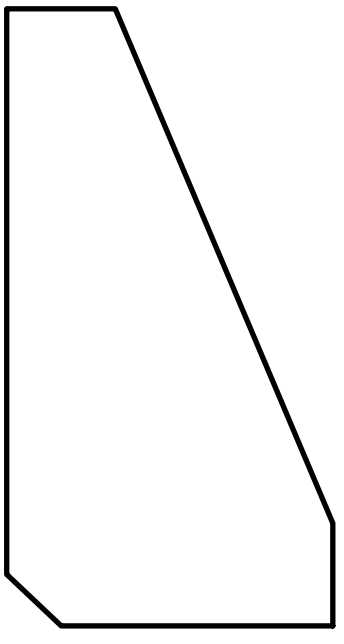
Report Capacities		
Component	Capacity	Result
Base Plate	28%	Pass
Anchor Rods	71%	Pass
Dwyidag	-	-

Base Plate		
Shape	Round	-
Diameter, ø	60	in
Thickness	1 3/4	in
Grade	A871-60	
Yield Strength, Fy	60	ksi
Tensile Strength, Fu	75	ksi
Clip	N/A	in
Orientation Offset	0	°
Anchor Rod Detail	d	η=0.5
Clear Distance	3	in
Applied Moment, Mu	506.6	k
Bending Stress, ϕMn	1796.5	k

Original Anchor Rods		
Arrangement	Radial	-
Quantity	12	-
Diameter, ø	2 1/4	in
Bolt Circle	54	in
Grade	A615-75	
Yield Strength, Fy	75	ksi
Tensile Strength, Fu	100	ksi
Spacing	14.1	in
Orientation Offset	0	°
Applied Force, Pu	168.9	k
Anchor Rods, ϕPn	243.6	k



Stiffeners		
Arrangement	Radial	-
Quantity	12	-
Height	12	in
Width	6	in
Effective Width	6.000	in
Thickness	1/2	in
Effective Thickness	0.500	in
Notch	1	in
Flat Edge	2	in
Grade	A572-50	-
Yield Strength, Fy	50	ksi
Tensile Strength, Fu	65	ksi
Horizontal Weld	Bevel+Fillet	
Horizontal Fillet Size	1/2	in
Bevel Depth	1/2	in
Vertical Weld	Fillet	
Vertical Fillet Size	3/8	in
Weld Strength	70	ksi
Electrode Coefficient	1	-
Orientation Offset		°
Vertical Weld, ϕRn	198.2	k
Horz. Weld, ϕRn	222.5	k
Ten. Capacity, ϕTn	109.7	k
Comp. Capacity, ϕPn	227.0	k



Calculations for Monopole Base Plate & Anchor Rod Analysis

Reaction Distribution

Reaction	Shear Vu	Moment Mu	Factor
-	k	k-ft	-
Base Forces	23.7	2136.0	1.00
Anchor Rod Forces	23.7	2136.0	1.00
Additional Bolt (Grp1) Forces	0.0	0.0	0.00
Additional Bolt (Grp2) Forces	0.0	0.0	0.00
Dywidag Forces	0.0	0.0	0.00
Stiffener Forces	9.5	856.1	0.40

Geometric Properties

Section	Gross Area	Net Area	Individual Inertia	Threads per Inch	Moment of Inertia
-	in^2	in^2	in^4	#	in^4
Pole	52.8921	2.9385	0.1383		13465.30
Bolt	3.9761	3.2477	0.8393	4.5	12993.40
Bolt1	0.0000	0.0000	0.0000	0	0.00
Bolt2	0.0000	0.0000	0.0000	0	0.00
Dywidag	0.0000	0.0000	0.0000		0.00
Stiffener	2.5000	2.2500	36.0000		9005.72

Base Plate		
Shape	Round	-
Diameter, D	60	in
Thickness, t	1.75	in
Yield Strength, Fy	60	ksi
Tensile Strength, Fu	75	ksi
Base Plate Chord	39.112	in
Detail Type	d	-
Detail Factor	0.50	-
Clear Distance	3	-

External Base Plate		
Chord Length AA	33.326	in
Additional AA	10.128	in
Section Modulus, Z	33.269	in^3
Applied Moment, Mu	506.6	k-ft
Bending Capacity, ϕMn	1796.5	k-ft
Capacity, Mu/ϕMn	0.282	OK
Chord Length AB	32.340	in
Additional AB	9.167	in
Section Modulus, Z	31.779	in^3
Applied Moment, Mu	447.1	k-ft
Bending Capacity, ϕMn	1716.0	k-ft
Capacity, Mu/ϕMn	0.261	OK
Bend Line Length	21.434	in
Additional Bend Line	55.175	in
Section Modulus, Z	58.653	in^3
Applied Moment, Mu	506.6	k-ft
Bending Capacity, ϕMn	3167.3	k-ft
Capacity, Mu/ϕMn	0.160	OK

Internal Base Plate		
Arc Length	0.000	in
Section Modulus, Z	0.000	in^3
Moment Arm	0.000	in
Applied Moment, Mu	0.0	k-ft
Bending Capacity, ϕMn	0.0	k-ft
Capacity, Mu/ϕMn		

Anchor Rods		
Anchor Rod Quantity, N	12	-
Rod Diameter, d	2.25	in
Bolt Circle, BC	54	in
Yield Strength, Fy	75	ksi
Tensile Strength, Fu	100	ksi
Applied Axial, Pu	168.9	k
Applied Shear, Vu	1.6	k
Compressive Capacity, ϕPn	243.6	k
Tensile Capacity, ϕRnt	0.693	OK
Interaction Capacity	0.706	OK

Base Plate Stiffeners		
Applied Axial Force, Pu	65.2	k
Applied Horizontal Force, Vu	0.40	k

Vertical Weld		
Vert.-to-Stiffener a=e_x/l	0.167	-
Spacing Ratio, k	0.042	-
Weld Coefficient, C	3.670	-
Compressive Capacity, ϕPn	198.2	k
Vert.-to-Plate a=e_x/l	0.333	-
Spacing Ratio, k	0.042	-
Weld Coefficient, C	2.940	-
Shear Capacity, ϕVn	158.8	k
$P_u/\phi_P P_n + V_u/\phi_V V_n$	0.332	OK

Horizontal Weld		
Horz.-to-Stiffener a=e_x/l	0.167	-
Spacing Ratio, k	0.083	-
Weld Coefficient, C	2.940	-
Effective Fillet	1.000	in
Compressive Capacity, ϕPn	211.7	k
Horz.-to-Pole a=e_x/l	0.333	-
Spacing Ratio, k	0.083	-
Weld Coefficient, C	3.090	-
Shear Capacity, ϕVn	222.5	k
$P_u/\phi_P P_n + V_u/\phi_V V_n$	0.310	OK

Plate Tension		
Gross Cross Section	2.500	in^2
Net Cross Section	2.250	in^2
Tensile Capacity, ϕTn	109.7	k
Capacity, Tu/ϕTn	0.297	OK

Plate Compression		
Radius of Gyration	0.144	in^3
kl/r	49.88	-
4.71 $\sqrt{(E/Fy)}$	113.43	-
Buckling Stress(Fe)	115.0	-
Crit. Buckling Stress(Fcr)	100.9	ksi
Compressive Capacity, ϕPn	227.0	k
Capacity, Pu/ϕPn	0.144	OK

AMERICAN TOWER®
CORPORATION

This report was prepared for American Tower Corporation by

ENGINEERED
TOWER SOLUTIONS

Antenna Mount Analysis Report

ATC Site Name	:	**Bridgeport CT 2**
ATC Site Number	:	**302469**
Engineering Number	:	**13685427_C8_05**
ETS, PLLC Job Number	:	**22104996.STR.2074**
Mount Elevation	:	**78 ft**
Carrier	:	**DISH WIRELESS L.L.C.**
Carrier Site Name	:	**NJJER01130A**
Carrier Site Number	:	**NJJER01130A**
Site Location	:	**1069 Connecticut Avenue** **Bridgeport, CT 06607** **41.18361667, -73.15838333**
County	:	**Fairfield**
Date	:	**March 21, 2022**
Max Usage	:	**67%**
Result	:	**Pass**

F. Geoffrey Bost
3/21/22

STATE OF CONNECTICUT
FREDERIC GEOFFREY BOST
PEN.0029529
LICENSED
PROFESSIONAL ENGINEER

Prepared By:
Ana Julia Monteiro
Structural Engineer I

Reviewed By:
Frederic Geoffrey Bost, PE
Chief Technical Officer

Table of Contents

Introduction

The purpose of this report is to summarize results of the antenna mount analysis performed for Dish Wireless L.L.C Mobility at 78 ft.

Supporting Documents

Spec. Sheet	Spec Sheet for Site Pro 1 SNP8HR-396

Analysis

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

Basic Wind Speed:	119 mph (3-second gust, Vult)
Basic Wind Speed w/ Ice:	50 mph (3-second gust) w/ 1" radial ice concurrent
Codes:	ANSI/TIA-222-H
Structure Class:	II
Exposure Category:	B
Topographic Procedure:	Method 2
Topographic Feature:	Flat
Crest Height:	0 ft
Crest Length:	0 ft
Spectral Response:	Ss = 0.208 S_1 = 0.054
Site Class:	D – Default
Live Loads:	Lm = 500 lbs, Lv = 250 lbs

Conclusion

Based on the analysis results, the antenna mount meets the requirements per the applicable codes listed. The mount can support the equipment as described in this report. Analysis is based on new Site Pro 1 SNP8HR-396 Mount.

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

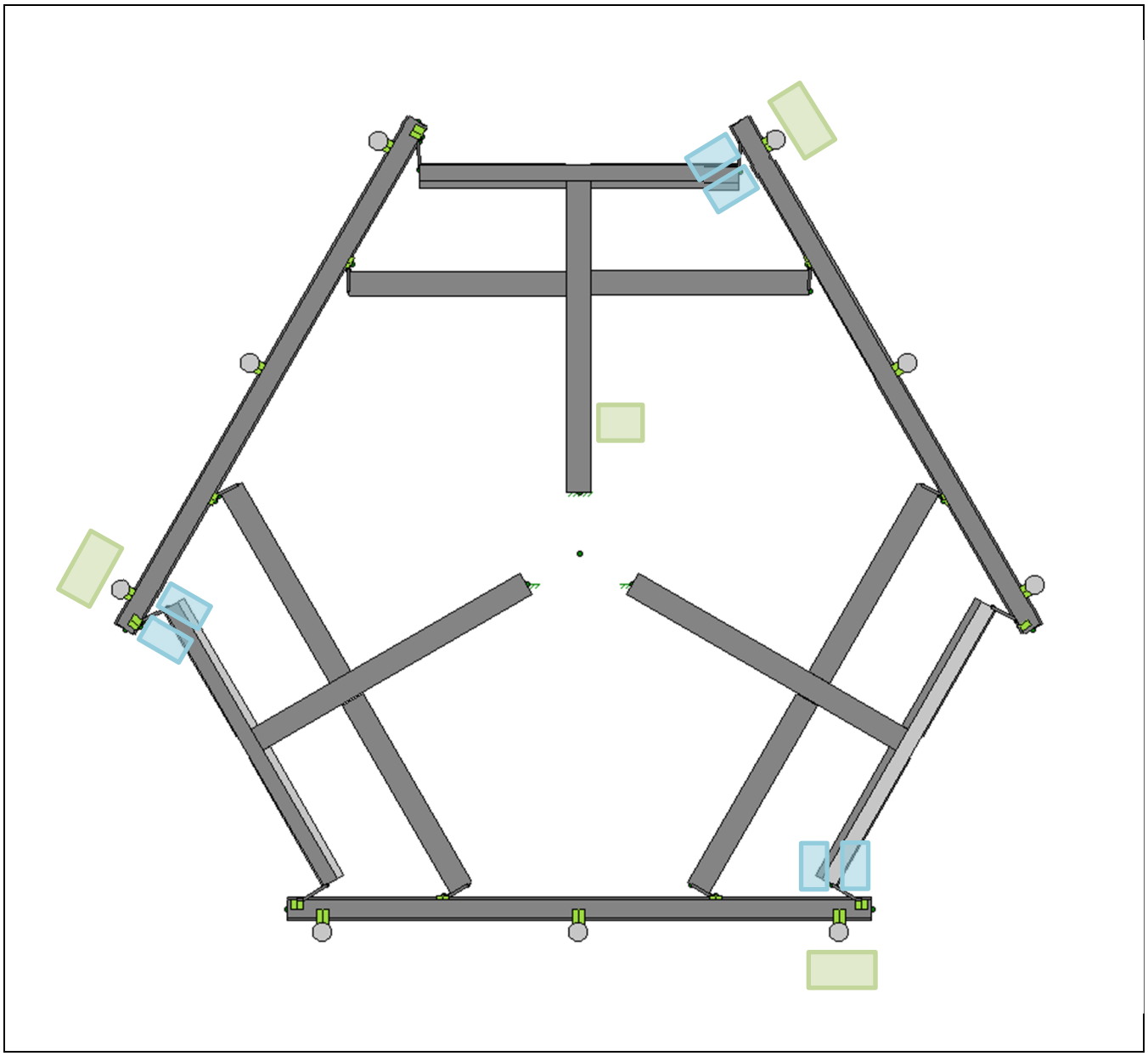
Antenna Loading

Mount Centerline (ft)	Antenna Centerline (ft)	Qty	Antenna Model
78.0	78.0	3	JMA Wireless MX08FRO665-21
		1	Commscope RDIDC-9181-PF-48
		3	Fujitsu TA08025-B604
		3	Fujitsu TA08025-B605

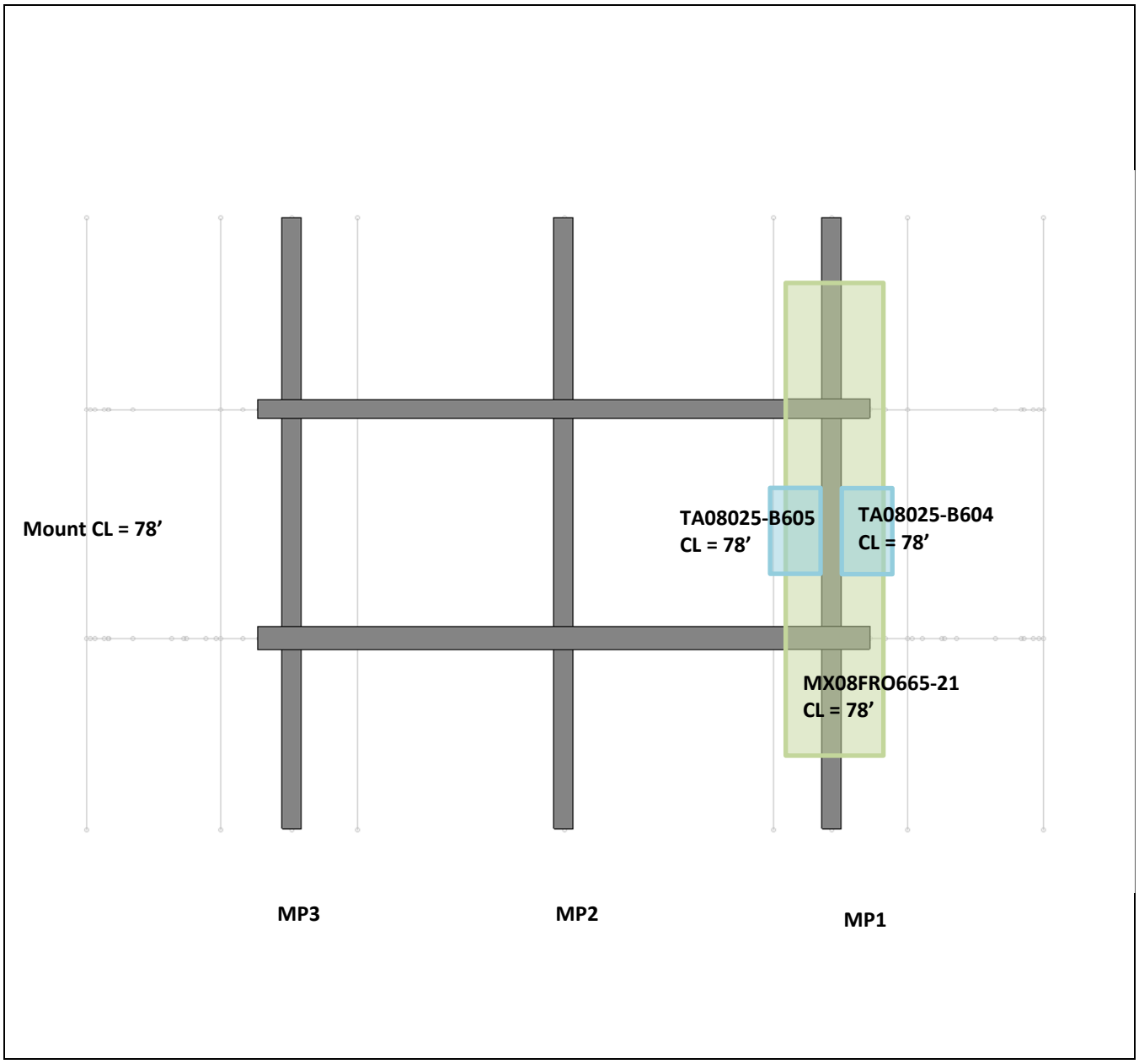
Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Horizontals	60%	Pass
Mount Pipes	16%	Pass
Support Rails	16%	Pass
Mount to Tower Connection	67%	Pass

Mount Layout



Equipment Layout



Standard Conditions

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

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

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

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

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

Steel grades have been assumed as follows, unless noted otherwise:

Channel, Solid Round, Angle, Plate, Threaded Rod	ASTM A36 (Gr. 36)
HSS (Rectangular)	ASTM A500 (Gr. B-46)
HSS (Round)	ASTM A500 (Gr. B-42)
Pipe	ASTM A53 (Gr. 35)
Connection Bolts	ASTM A325
U-Bolt	SAE J429 (Gr. 2)

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

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

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

TIA-222-H Mount Load Generator

Site Inputs	
Mount Support (Tower, or Building Support)?	Tower
Risk Category (TIA Table 2-1)	II
Exposure Category	B
Basic Wind Speed without Ice, V	119 mph
Basic Wind Speed with Ice, V_i	50 mph
Design of Ice, δ_{ice}	56 pcf
Design Ice Thickness, t_i	1.00 in
Basic Wind Speed (Maintenance)	30 mph
Maintenance Load, L_m	500 lb
Maintenance Load, L_v	250 lb
Height of Structure, h	126.0 ft
Mount Centerline, h_m	78.0 ft
Topographic Factor, K_{zt}	1.00
Rooftop Wind Speed-Up Factor, K_s	1.00
Mean Elevation of base of structure above sea level, z_s	30 ft
Ground Elevation Factor, K_e	1.00
Wind Direction Probability Factor, K_d	0.95
Gust Response Factor, G_h	1.00
Shielding Factor for Appurtenances, K_a	0.90

Seismic Design Input/Output	
0.208	Spectral response acceleration at short periods, S_s
0.054	Spectral response acceleration at a period of 1 second, S_1
D	Soil Site Class
1.600	Short-period site coefficient, F_a
2.400	Long-period site coefficient, F_v
0.222	Design spectral response acceleration at short periods, S_{DS}
0.086	Design spectral response acceleration at a period of 1 second, S_{D1}
2.00	Response modification coefficient, R
1.00	Earthquake amplification factor, A_s
1.00	Importance Factor
0.1109	Seismic Response Coefficient, C_s
Eh = 0.111 W	Total Seismic Shear Force, $E_h = \rho Q_E$ ($Q_E = \rho C_s$ W A_s & ρ = 1.0)
Ev = 0.044 D	Vertical Seismic Load Effect, $E_v = 0.2 S_{DS}$ D A_s

ENGINEERED TOWER SOLUTIONS

Output File Name: 302469_13685427_DISH

Mount Pipe Information							Mount Pipe Forces					
Mount Pipe	Mount Location	Vertical Offset	Length	Diameter	Weight	Shape	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{iz}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
P 2.5 SCH 40 x 96	MP1	0.00 ft	96.00 in	2.88 in	46.39 lb	Round	15.17 lb	72.83 lb	1.090 in	42.23 lb	5.14 lb	20.73 lb
P 2.5 SCH 40 x 96	MP2	0.00 ft	96.00 in	2.88 in	46.39 lb	Round	72.83 lb	72.83 lb	1.090 in	42.23 lb	20.73 lb	20.73 lb
P 2.5 SCH 40 x 96	MP3	0.00 ft	96.00 in	2.88 in	46.39 lb	Round	72.83 lb	72.83 lb	1.090 in	42.23 lb	20.73 lb	20.73 lb
P 2.5 SCH 40 x 96	MP4	0.00 ft	96.00 in	2.88 in	46.39 lb	Round	15.17 lb	72.83 lb	1.090 in	42.23 lb	5.14 lb	20.73 lb
P 2.5 SCH 40 x 96	MP5	0.00 ft	96.00 in	2.88 in	46.39 lb	Round	72.83 lb	72.83 lb	1.090 in	42.23 lb	20.73 lb	20.73 lb
P 2.5 SCH 40 x 96	MP6	0.00 ft	96.00 in	2.88 in	46.39 lb	Round	72.83 lb	72.83 lb	1.090 in	42.23 lb	20.73 lb	20.73 lb
P 2.5 SCH 40 x 96	MP7	0.00 ft	96.00 in	2.88 in	46.39 lb	Round	15.17 lb	72.83 lb	1.090 in	42.23 lb	5.14 lb	20.73 lb
P 2.5 SCH 40 x 96	MP8	0.00 ft	96.00 in	2.88 in	46.39 lb	Round	72.83 lb	72.83 lb	1.090 in	42.23 lb	20.73 lb	20.73 lb
P 2.5 SCH 40 x 96	MP9	0.00 ft	96.00 in	2.88 in	46.39 lb	Round	72.83 lb	72.83 lb	1.090 in	42.23 lb	20.73 lb	20.73 lb
On Member	MP10	0.00 ft	9.00 in	1.00 in	0.00 lb	Round	0.00 lb	0.00 lb	0.000 in	0.00 lb	0.00 lb	0.00 lb

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

Appurtenance Information - MP1							Appurtenance Forces - MP1					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{iz}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
JMA WIRELESS / MX08FRO665-21	1	0.00 ft	72.00 in	20.00 in	8.00 in	64.50 lb	395.49 lb	185.78 lb	1.090 in	180.79 lb	73.70 lb	37.13 lb
FUJITSU / TA08025-B604	1	0.00 ft	15.70 in	7.90 in	15.00 in	63.90 lb	32.73 lb	0.00 lb	1.090 in	31.43 lb	6.84 lb	1.95 lb
FUJITSU / TA08025-B605	1	0.00 ft	15.70 in	9.10 in	15.00 in	75.00 lb	37.70 lb	62.15 lb	1.090 in	32.46 lb	7.72 lb	12.92 lb

Appurtenance Information - MP4							Appurtenance Forces - MP4					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{iz}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
JMA WIRELESS / MX08FRO665-21	1	0.00 ft	72.00 in	20.00 in	8.00 in	64.50 lb	395.49 lb	185.78 lb	1.090 in	180.79 lb	73.70 lb	37.13 lb
FUJITSU / TA08025-B604	1	0.00 ft	15.70 in	7.90 in	15.00 in	63.90 lb	32.73 lb	0.00 lb	1.090 in	31.43 lb	6.84 lb	1.95 lb
FUJITSU / TA08025-B605	1	0.00 ft	15.70 in	9.10 in	15.00 in	75.00 lb	37.70 lb	62.15 lb	1.090 in	32.46 lb	7.72 lb	12.92 lb

Appurtenance Information - MP7							Appurtenance Forces - MP7					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{iz}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
JMA WIRELESS / MX08FRO665-21	1	0.00 ft	72.00 in	20.00 in	8.00 in	64.50 lb	395.49 lb	185.78 lb	1.090 in	180.79 lb	73.70 lb	37.13 lb
FUJITSU / TA08025-B604	1	0.00 ft	15.70 in	7.90 in	15.00 in	63.90 lb	32.73 lb	0.00 lb	1.090 in	31.43 lb	6.84 lb	1.95 lb
FUJITSU / TA08025-B605	1	0.00 ft	15.70 in	9.10 in	15.00 in	75.00 lb	37.70 lb	62.15 lb	1.090 in	32.46 lb	7.72 lb	12.92 lb

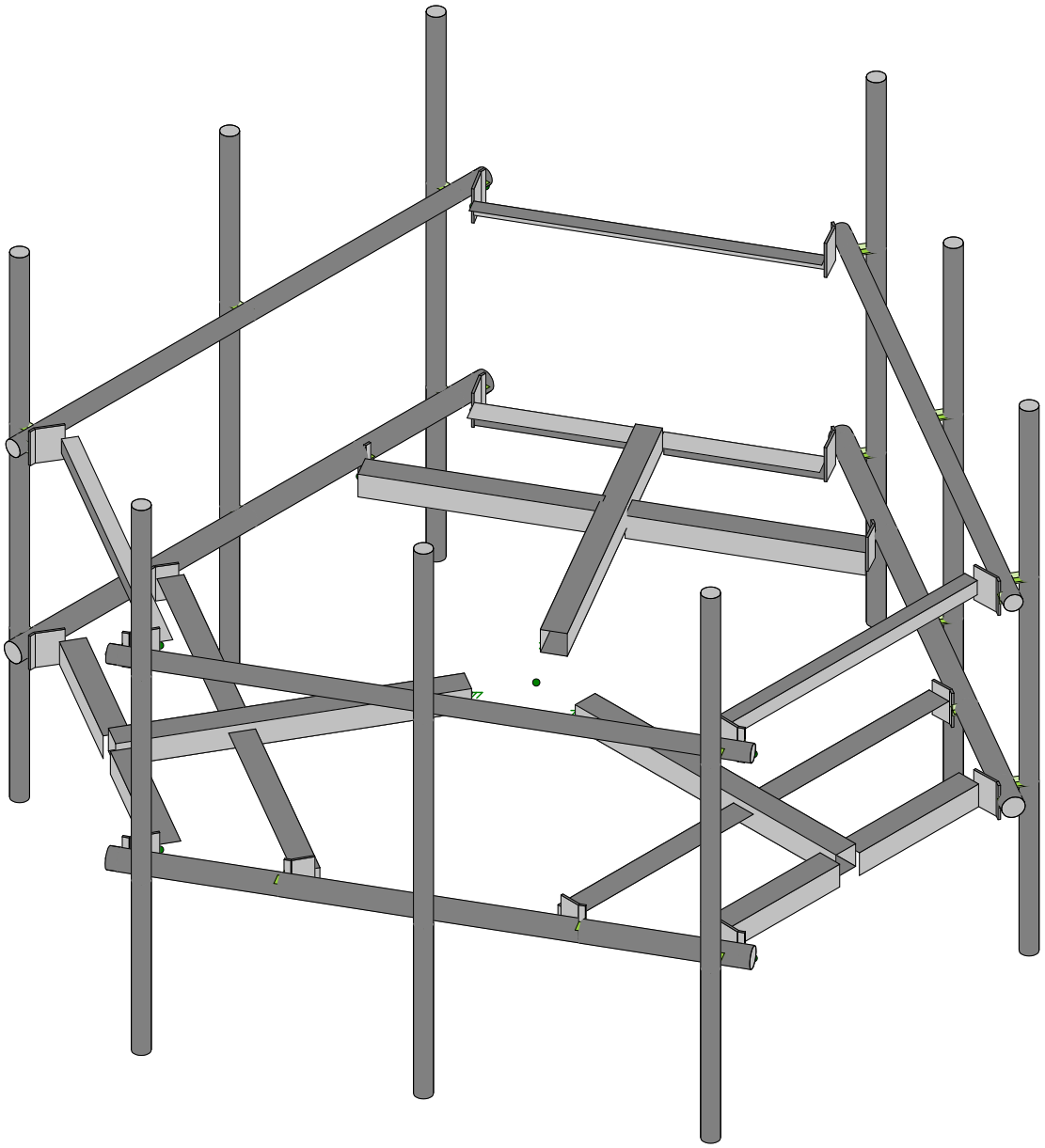
Appurtenance Information - MP10							Appurtenance Forces - MP10					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{iz}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
COMMSCOPE / RDIDC-9181-PF-48	1	0.00 ft	16.00 in	14.00 in	8.00 in	21.90 lb	59.11 lb	33.78 lb	1.090 in	30.56 lb	12.21 lb	7.51 lb

Member Distributed Loads	Member Information			Member Forces		
Mount Members	Width/Diameter (in)	Depth/Diameter (in)	Length (in)	Ka * Force / Length, No Ice	Ice Weight (plf)	Ka * Force / Length, Ice
PIPE 3.0	3.500 in	3.500 in	96.0 in	10.0 lb/ft	6.1 lb/ft	2.7 lb/ft
HSS 4x4	4.000 in	4.000 in	53.0 in	9.7 lb/ft	9.0 lb/ft	2.5 lb/ft
L4x4-1	4.000 in	4.000 in	35.8 in	13.9 lb/ft	9.0 lb/ft	3.2 lb/ft
L4x4-2	4.000 in	4.000 in	24.2 in	12.9 lb/ft	9.0 lb/ft	3.0 lb/ft
PIPE 2.5	2.880 in	2.880 in	96.0 in	8.2 lb/ft	5.3 lb/ft	2.4 lb/ft
L2.5x2.5	2.500 in	2.500 in	52.0 in	11.0 lb/ft	6.2 lb/ft	2.8 lb/ft
PL 6x3/8	6.000 in	0.375 in	4.5 in	17.1 lb/ft	9.5 lb/ft	3.7 lb/ft
PL 6x3/8 Small	6.000 in	0.375 in	1.0 in	17.1 lb/ft	9.5 lb/ft	3.7 lb/ft

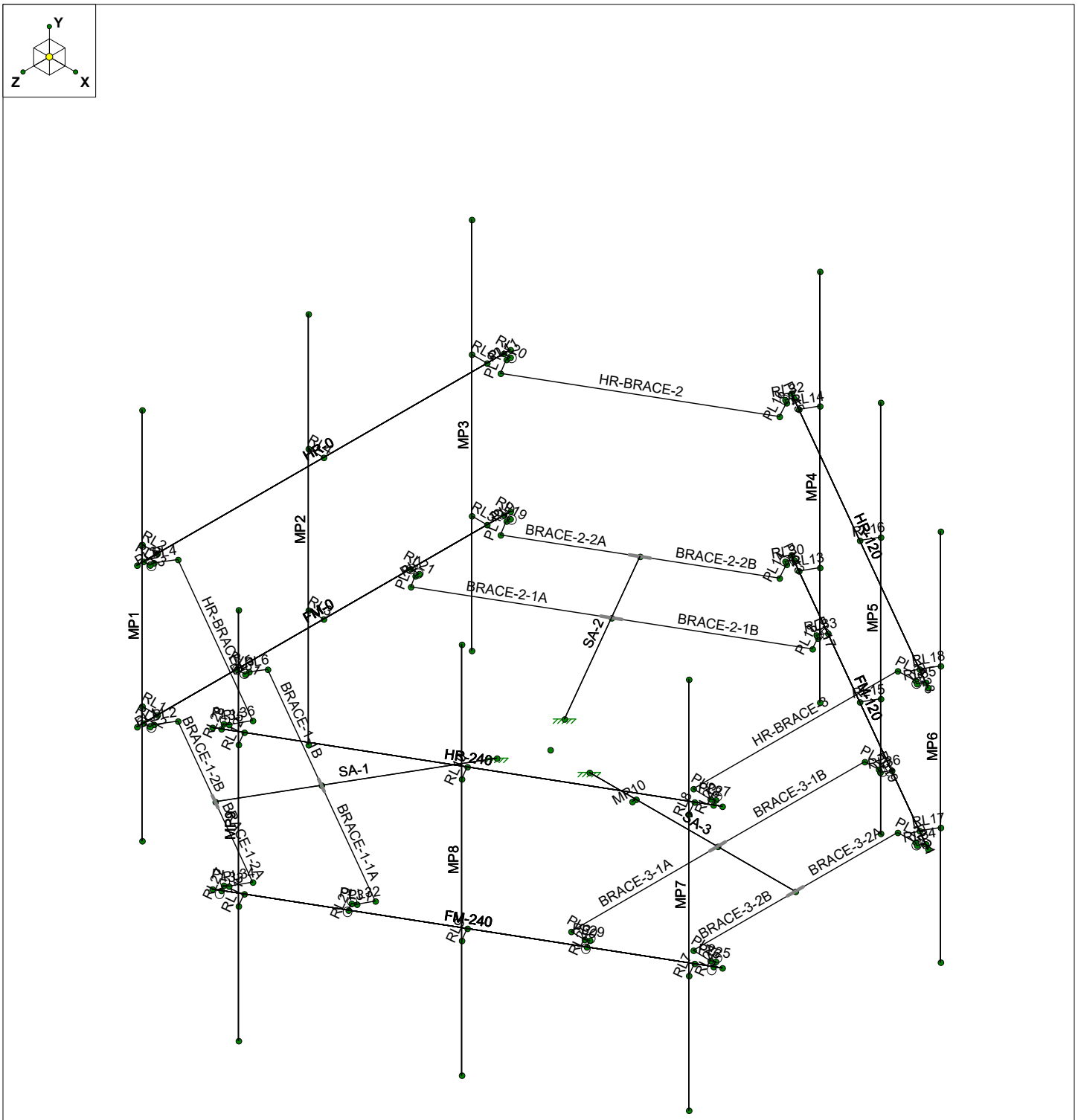
Member Lookup	Member Label	Position	Maintenance Load
L4x4-1	BRACE-1-1A	210°	
L4x4-1	BRACE-1-1B	210°	
L4x4-2	BRACE-1-2A	210°	
L4x4-2	BRACE-1-2B	210°	
L4x4-1	BRACE-2-1A	330°	
L4x4-1	BRACE-2-1B	330°	
L4x4-2	BRACE-2-2A	330°	
L4x4-2	BRACE-2-2B	330°	
L4x4-1	BRACE-3-1A	90°	
L4x4-1	BRACE-3-1B	90°	
L4x4-2	BRACE-3-2A	90°	
L4x4-2	BRACE-3-2B	90°	
PIPE 3.0	FM-0	90°	Start/Mid/End
PIPE 3.0	FM-120	210°	Start/Mid/End
PIPE 3.0	FM-240	330°	Start/Mid/End
PIPE 2.5	HR-0	90°	Start/Mid/End

Member Lookup	Member Label	Position	Maintenance Load
PIPE 2.5	HR-120	210°	Start/Mid/End
PIPE 2.5	HR-240	330°	Start/Mid/End
L2.5x2.5	HR-BRACE-1	210°	
L2.5x2.5	HR-BRACE-2	330°	
L2.5x2.5	HR-BRACE-3	90°	
HSS 4x4	SA-1	300°	
HSS 4x4	SA-2	60°	
HSS 4x4	SA-3	180°	
PL 6x3/8 Small	PL1	270°	
PL 6x3/8	PL2	302°	
PL 6x3/8 Small	PL3	270°	
PL 6x3/8	PL4	302°	
PL 6x3/8 Small	PL5	270°	
PL 6x3/8	PL6	302°	
PL 6x3/8 Small	PL7	90°	
PL 6x3/8	PL8	59°	
PL 6x3/8 Small	PL9	90°	
PL 6x3/8	PL10	59°	
PL 6x3/8 Small	PL11	90°	
PL 6x3/8	PL12	59°	
PL 6x3/8 Small	PL13	30°	
PL 6x3/8	PL14	62°	
PL 6x3/8 Small	PL15	30°	
PL 6x3/8	PL16	62°	
PL 6x3/8 Small	PL17	30°	
PL 6x3/8	PL18	62°	
PL 6x3/8 Small	PL19	210°	
PL 6x3/8	PL20	179°	
PL 6x3/8 Small	PL21	210°	
PL 6x3/8	PL22	179°	
PL 6x3/8 Small	PL23	210°	
PL 6x3/8	PL24	179°	
PL 6x3/8 Small	PL25	150°	
PL 6x3/8	PL26	182°	
PL 6x3/8 Small	PL27	150°	
PL 6x3/8	PL28	182°	
PL 6x3/8 Small	PL29	150°	
PL 6x3/8	PL30	182°	
PL 6x3/8 Small	PL31	330°	
PL 6x3/8	PL32	299°	
PL 6x3/8 Small	PL33	330°	
PL 6x3/8	PL34	299°	

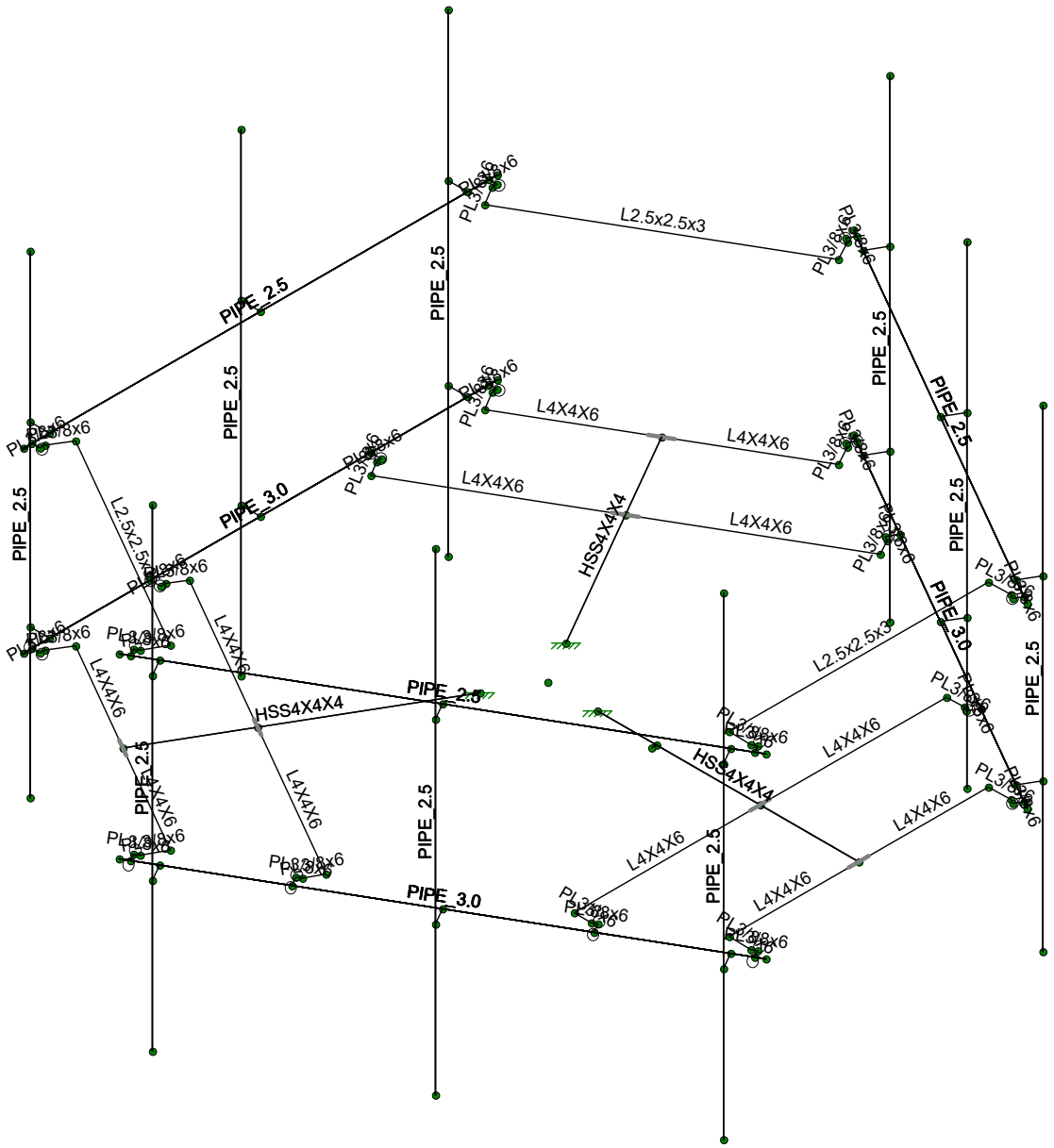
Member Lookup	Member Label	Position	Maintenance Load
PL 6x3/8 Small	PL35	330°	
PL 6x3/8	PL36	299°	



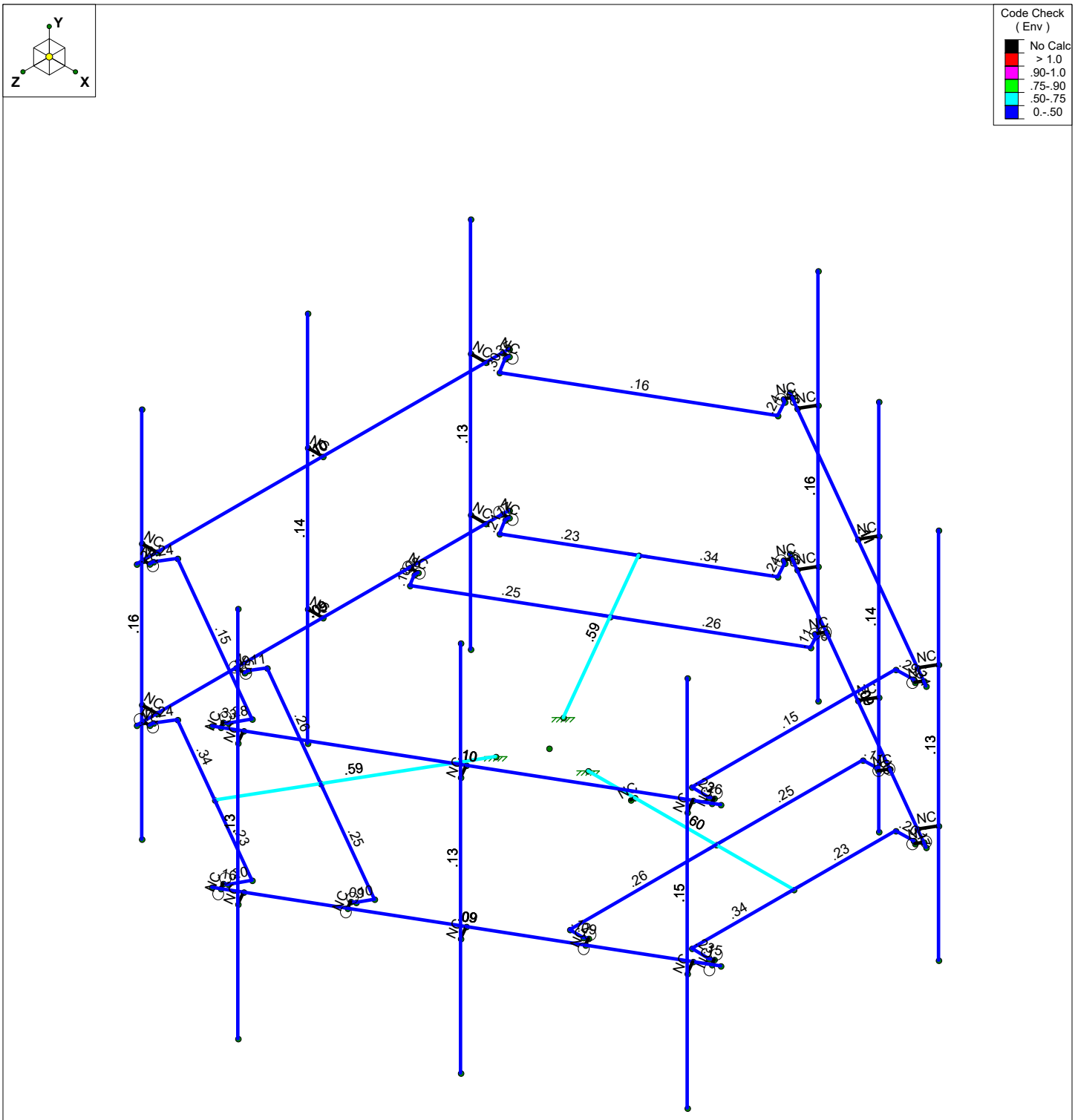
ETS, PLLC	Bridgeport CT 2	SK - 1
AJM		Mar 18, 2022 at 5:40 PM
ETS#22104996.STR.2074		302469_13685427_DISH.r3d



ETS, PLLC	Bridgeport CT 2	SK - 2
AJM		Mar 18, 2022 at 5:40 PM
ETS#22104996.STR.2074		302469_13685427_DISH.r3d

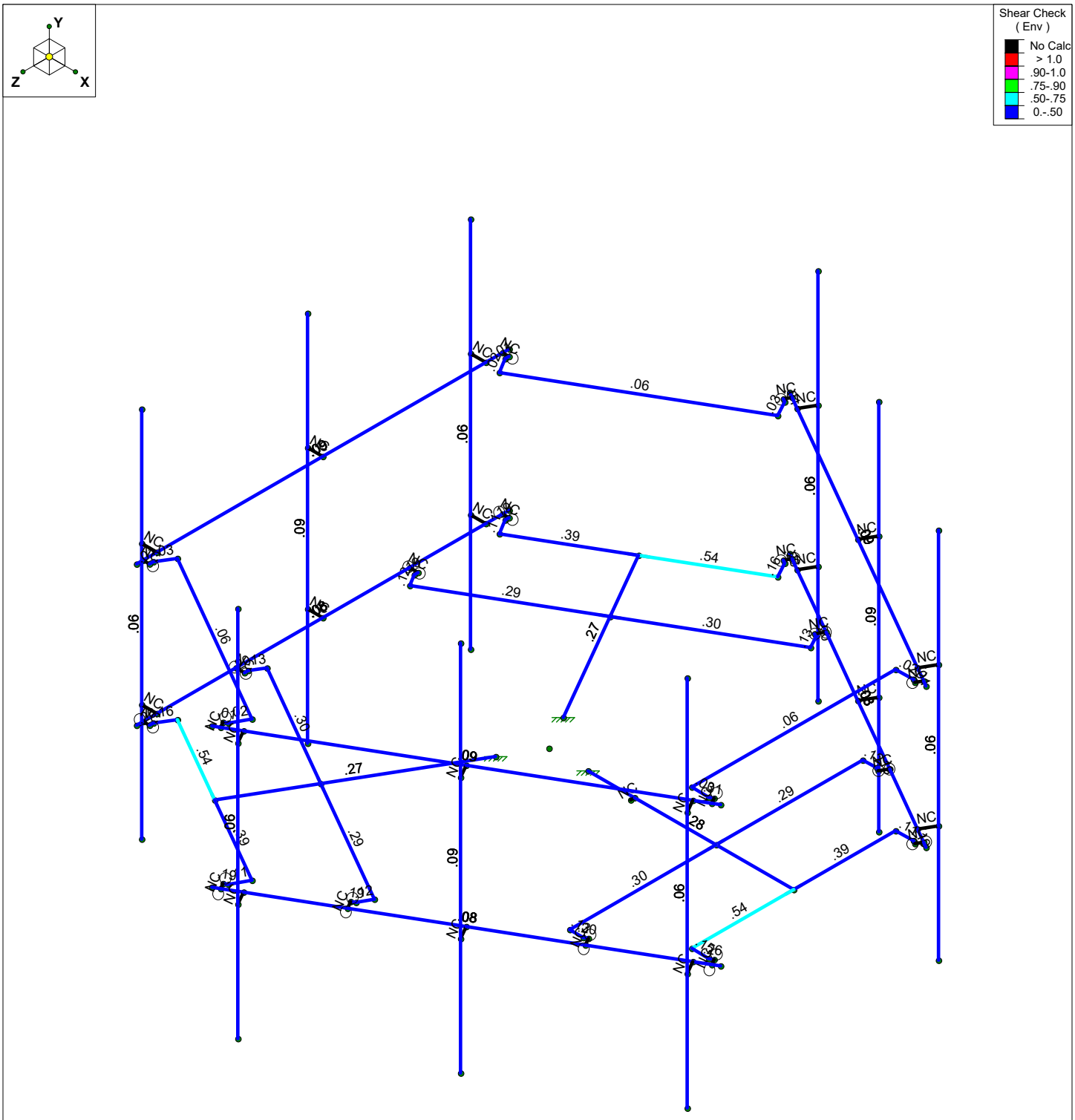


ETS, PLLC	Bridgeport CT 2	SK - 3
AJM		Mar 18, 2022 at 5:40 PM
ETS#22104996.STR.2074		302469_13685427_DISH.r3d



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

ETS, PLLC	Bridgeport CT 2	SK - 4
AJM		Mar 18, 2022 at 5:40 PM
ETS#22104996.STR.2074		302469_13685427_DISH.r3d



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

ETS, PLLC	Bridgeport CT 2	SK - 5
AJM		Mar 18, 2022 at 5:40 PM
ETS#22104996.STR.2074		302469_13685427_DISH.r3d

Joint Boundary Conditions

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
1	N1	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
2	N2	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
3	N3	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction

Joint Coordinates and Temperatures

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
1	N1	-5.03	0	8.713	0	
2	N2	-5.03	0	-8.713	0	
3	N3	10.061	0	-0.	0	
4	N4	-21.532	0	37.294	0	
5	N5	-21.534	0	-37.293	0	
6	N6	43.063	0	-0.	0	
7	N7	-31.532	0	54.614	0	
8	N8	-31.535	0	-54.612	0	
9	N9	63.063	0	-0.	0	
10	N10	-54.265	0	-41.489	0	
11	N14	-8.798	0	-67.739	0	
12	N15	-12.438	0	-74.456	0	
13	N18	63.063	0	-26.25	0	
14	N19	70.7	0	-26.456	0	
15	N20	43.063	0	-37.797	0	
16	N22	63.063	0	26.25	0	
17	N23	70.7	0	26.456	0	
18	N24	43.152	0	37.797	0	
19	N26	-8.798	0	67.739	0	
20	N27	-12.438	0	74.456	0	
21	N28	11.202	0	56.192	0	
22	N30	-54.265	0	41.489	0	
23	N32	-54.265	0	18.395	0	
24	N34	29.131	0	50.456	0	
25	N35	-58.29	0	-0.008	0	
26	N36	29.131	0	-50.456	0	
27	N37	-7.242	0	71.456	0	
28	N38	-58.29	0	-42.015	0	
29	N39	65.504	0	-29.456	0	
30	N40	66.154	0	29.081	0	
31	N41	-58.29	0	42.749	0	
32	N42	-7.892	0	-71.831	0	
33	N43	63.063	36	-26.25	0	
34	N44	70.7	36	-26.456	0	
35	N45	65.504	36	-29.456	0	
36	N46	29.131	36	-50.456	0	
37	N47	-7.892	36	-71.831	0	
38	N48	-12.438	36	-74.456	0	
39	N49	-8.798	36	-67.739	0	
40	N50	-54.265	36	-41.489	0	
41	N52	-58.29	36	-42.015	0	
42	N53	-58.29	36	-0.008	0	
43	N54	-58.29	36	42.749	0	
44	N56	-54.265	36	41.489	0	
45	N57	-8.798	36	67.739	0	
46	N58	-12.438	36	74.456	0	
47	N59	-7.242	36	71.456	0	
48	N60	29.131	36	50.456	0	
49	N61	66.154	36	29.081	0	
50	N62	70.7	36	26.456	0	
51	N63	63.063	36	26.25	0	
52	N64	-62.216	0	-0.008	0	
53	N65	-62.228	0	-42.015	0	
54	N66	-62.203	0	42.749	0	
55	N67	-62.228	36	-42.015	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
56	N68	-62.216	36	-0.008	0	
57	N69	-62.203	36	42.749	0	
58	N70	-62.228	66	-42.015	0	
59	N71	-62.216	66	-0.008	0	
60	N72	-62.203	66	42.749	0	
61	N73	-62.228	-30	-42.015	0	
62	N74	-62.216	-30	-0.008	0	
63	N75	-62.203	-30	42.749	0	
64	N76	0	0	0	0	
65	N77	31.101	0	53.885	0	
66	N78	-5.272	0	74.899	0	
67	N79	68.124	0	32.495	0	
68	N80	-5.272	36	74.899	0	
69	N81	31.101	36	53.885	0	
70	N82	68.124	36	32.495	0	
71	N83	-5.272	66	74.899	0	
72	N84	31.101	66	53.885	0	
73	N85	68.124	66	32.495	0	
74	N86	-5.272	-30	74.899	0	
75	N87	31.101	-30	53.885	0	
76	N88	68.124	-30	32.495	0	
77	N89	31.115	0	-53.877	0	
78	N90	67.501	0	-32.884	0	
79	N91	-5.92	0	-75.244	0	
80	N92	67.501	36	-32.884	0	
81	N93	31.115	36	-53.877	0	
82	N94	-5.92	36	-75.244	0	
83	N95	67.501	66	-32.884	0	
84	N96	31.115	66	-53.877	0	
85	N97	-5.92	66	-75.244	0	
86	N98	67.501	-30	-32.884	0	
87	N99	31.115	-30	-53.877	0	
88	N100	-5.92	-30	-75.244	0	
89	N101	-56.619	0	45.324	0	
90	N102	-56.619	36	45.324	0	
91	N113	-56.619	0	46.324	0	
92	N114	-56.619	36	46.324	0	
93	N115	-58.29	0	46.324	0	
94	N116	-58.29	36	46.324	0	
95	N137	-56.096	0	21.378	0	
96	N137A	-56.096	0	22.378	0	
97	N138A	-58.29	0	22.378	0	
98	N145B	-58.261787	0	47.999624	0	
99	N146B	-58.261568	0	-47.999996	0	
100	N147A	-58.261568	36	-47.999996	0	
101	N148	-58.261787	36	47.999624	0	
102	N103	-54.264699	0	-18.394783	0	
103	N104	11.201963	0	-56.192369	0	
104	N107	-56.619	0	-45.324	0	
105	N108	-56.619	36	-45.324	0	
106	N109	-56.619	0	-46.324	0	
107	N110	-56.619	36	-46.324	0	
108	N111	-58.29	0	-46.324	0	
109	N112	-58.29	36	-46.324	0	
110	N113A	-56.096	0	-21.378	0	
111	N114A	-56.096	0	-22.378	0	
112	N115A	-58.29	0	-22.378	0	
113	N119	67.561235	0	26.371492	0	
114	N120	67.561235	36	26.371492	0	
115	N121	68.427261	0	25.871492	0	
116	N122	68.427261	36	25.871492	0	
117	N123	69.262761	0	27.318621	0	
118	N124	69.262761	36	27.318621	0	
119	N125	46.651958	0	37.839561	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
120	N126	47.517983	0	37.339561	0	
121	N127	48.614983	0	39.239621	0	
122	N129	-10.942235	0	71.695492	0	
123	N130	-10.942235	36	71.695492	0	
124	N131	-11.808261	0	72.195492	0	
125	N132	-11.808261	36	72.195492	0	
126	N133	-10.972761	0	73.642621	0	
127	N134	-10.972761	36	73.642621	0	
128	N135	9.534109	0	59.269561	0	
129	N136	8.668084	0	59.769561	0	
130	N137B	9.765084	0	61.669621	0	
131	N144	-10.942235	0	-71.695492	0	
132	N145	-10.942235	36	-71.695492	0	
133	N146	-11.808261	0	-72.195492	0	
134	N147	-11.808261	36	-72.195492	0	
135	N148A	-10.972761	0	-73.642621	0	
136	N149	-10.972761	36	-73.642621	0	
137	N150	9.534109	0	-59.269561	0	
138	N151	8.668084	0	-59.769561	0	
139	N152	9.765084	0	-61.669621	0	
140	N154	67.561235	0	-26.371492	0	
141	N155	67.561235	36	-26.371492	0	
142	N156	68.427261	0	-25.871492	0	
143	N157	68.427261	36	-25.871492	0	
144	N158	69.262761	0	-27.318621	0	
145	N159	69.262761	36	-27.318621	0	
146	N160	46.561891	0	-37.891561	0	
147	N161	47.427916	0	-37.391561	0	
148	N162	48.524916	0	-39.291621	0	
149	N149A	22.061	0	-0.	0	
150	N150A	22.061	0	1	0	

Member Primary Data

	Label	I Joint	J Joint	K Joi...	Rota...	Section/Shape	Type	Design List	Material	Design R...
1	BRACE-1-1A	N28	N4		180	L4X4X6	None	None	Q235	Typical
2	BRACE-1-1B	N4	N32		180	L4X4X6	None	None	Q235	Typical
3	BRACE-1-2A	N7	N26		180	L4X4X6	None	None	Q235	Typical
4	BRACE-1-2B	N30	N7		180	L4X4X6	None	None	Q235	Typical
5	BRACE-2-1A	N103	N5		180	L4X4X6	None	None	Q235	Typical
6	BRACE-2-1B	N5	N104		180	L4X4X6	None	None	Q235	Typical
7	BRACE-2-2A	N10	N8		90	L4X4X6	None	None	Q235	Typical
8	BRACE-2-2B	N8	N14		90	L4X4X6	None	None	Q235	Typical
9	BRACE-3-1A	N6	N24		180	L4X4X6	None	None	Q235	Typical
10	BRACE-3-1B	N20	N6		180	L4X4X6	None	None	Q235	Typical
11	BRACE-3-2A	N9	N18		180	L4X4X6	None	None	Q235	Typical
12	BRACE-3-2B	N22	N9		180	L4X4X6	None	None	Q235	Typical
13	FM-0	N146B	N145B			PIPE_3.0	None	None	A53 Gr.B	Typical
14	FM-120	N19	N15			PIPE_3.0	None	None	A53 Gr.B	Typical
15	FM-240	N27	N23			PIPE_3.0	None	None	A53 Gr.B	Typical
16	HR-0	N147A	N148			PIPE_2.5	None	None	A53 Gr.B	Typical
17	HR-120	N44	N48			PIPE_2.5	None	None	A53 Gr.B	Typical
18	HR-240	N58	N62			PIPE_2.5	None	None	A53 Gr.B	Typical
19	HR-BRACE-1	N57	N56		90	L2.5x2.5x3	None	None	Q235	Typical
20	HR-BRACE-2	N49	N50		180	L2.5x2.5x3	None	None	Q235	Typical
21	HR-BRACE-3	N63	N43		180	L2.5x2.5x3	None	None	Q235	Typical
22	MP1	N75	N72			PIPE_2.5	None	None	A53 Gr.B	Typical
23	MP2	N74	N71			PIPE_2.5	None	None	A53 Gr.B	Typical
24	MP3	N73	N70			PIPE_2.5	None	None	A53 Gr.B	Typical
25	MP4	N100	N97			PIPE_2.5	None	None	A53 Gr.B	Typical
26	MP5	N99	N96			PIPE_2.5	None	None	A53 Gr.B	Typical
27	MP6	N98	N95			PIPE_2.5	None	None	A53 Gr.B	Typical
28	MP7	N88	N85			PIPE_2.5	None	None	A53 Gr.B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joi...	Rota...	Section/Shape	Type	Design List	Material	Design R...
29	MP8	N87	N84			PIPE_2.5	None	None	A53 Gr.B	Typical
30	MP9	N86	N83			PIPE_2.5	None	None	A53 Gr.B	Typical
31	PL1	N101	N113			PL3/8x6	Beam	RECT	Q235	Typical
32	PL2	N30	N101			PL3/8x6	None	None	Q235	Typical
33	PL3	N102	N114			PL3/8x6	Beam	RECT	Q235	Typical
34	PL4	N56	N102			PL3/8x6	None	None	Q235	Typical
35	PL5	N137	N137A			PL3/8x6	Beam	RECT	Q235	Typical
36	PL6	N32	N137			PL3/8x6	None	None	Q235	Typical
37	PL7	N113A	N114A			PL3/8x6	Beam	RECT	Q235	Typical
38	PL8	N103	N113A			PL3/8x6	None	None	Q235	Typical
39	PL9	N107	N109			PL3/8x6	Beam	RECT	Q235	Typical
40	PL10	N10	N107			PL3/8x6	None	None	Q235	Typical
41	PL11	N108	N110			PL3/8x6	Beam	RECT	Q235	Typical
42	PL12	N50	N108			PL3/8x6	None	None	Q235	Typical
43	PL13	N144	N146			PL3/8x6	Beam	RECT	Q235	Typical
44	PL14	N14	N144			PL3/8x6	None	None	Q235	Typical
45	PL15	N145	N147			PL3/8x6	Beam	RECT	Q235	Typical
46	PL16	N49	N145			PL3/8x6	None	None	Q235	Typical
47	PL17	N150	N151			PL3/8x6	Beam	RECT	Q235	Typical
48	PL18	N104	N150			PL3/8x6	None	None	Q235	Typical
49	PL19	N160	N161			PL3/8x6	Beam	RECT	Q235	Typical
50	PL20	N20	N160			PL3/8x6	None	None	Q235	Typical
51	PL21	N154	N156			PL3/8x6	Beam	RECT	Q235	Typical
52	PL22	N18	N154			PL3/8x6	None	None	Q235	Typical
53	PL23	N155	N157			PL3/8x6	Beam	RECT	Q235	Typical
54	PL24	N43	N155			PL3/8x6	None	None	Q235	Typical
55	PL25	N119	N121			PL3/8x6	Beam	RECT	Q235	Typical
56	PL26	N22	N119			PL3/8x6	None	None	Q235	Typical
57	PL27	N120	N122			PL3/8x6	Beam	RECT	Q235	Typical
58	PL28	N63	N120			PL3/8x6	None	None	Q235	Typical
59	PL29	N125	N126			PL3/8x6	Beam	RECT	Q235	Typical
60	PL30	N24	N125			PL3/8x6	None	None	Q235	Typical
61	PL31	N135	N136			PL3/8x6	Beam	RECT	Q235	Typical
62	PL32	N28	N135			PL3/8x6	None	None	Q235	Typical
63	PL33	N129	N131			PL3/8x6	Beam	RECT	Q235	Typical
64	PL34	N26	N129			PL3/8x6	None	None	Q235	Typical
65	PL35	N130	N132			PL3/8x6	Beam	RECT	Q235	Typical
66	PL36	N57	N130			PL3/8x6	None	None	Q235	Typical
67	RL1	N41	N66			RIGID	None	None	RIGID	Typical
68	RL2	N54	N69			RIGID	None	None	RIGID	Typical
69	RL3	N35	N64			RIGID	None	None	RIGID	Typical
70	RL4	N53	N68			RIGID	None	None	RIGID	Typical
71	RL5	N38	N65			RIGID	None	None	RIGID	Typical
72	RL6	N52	N67			RIGID	None	None	RIGID	Typical
73	RL7	N40	N79			RIGID	None	None	RIGID	Typical
74	RL8	N61	N82			RIGID	None	None	RIGID	Typical
75	RL9	N34	N77			RIGID	None	None	RIGID	Typical
76	RL10	N60	N81			RIGID	None	None	RIGID	Typical
77	RL11	N37	N78			RIGID	None	None	RIGID	Typical
78	RL12	N59	N80			RIGID	None	None	RIGID	Typical
79	RL13	N42	N91			RIGID	None	None	RIGID	Typical
80	RL14	N47	N94			RIGID	None	None	RIGID	Typical
81	RL15	N36	N89			RIGID	None	None	RIGID	Typical
82	RL16	N46	N93			RIGID	None	None	RIGID	Typical
83	RL17	N39	N90			RIGID	None	None	RIGID	Typical
84	RL18	N45	N92			RIGID	None	None	RIGID	Typical
85	RL19	N109	N111			RIGID	None	None	RIGID	Typical
86	RL20	N110	N112			RIGID	None	None	RIGID	Typical
87	RL21	N114A	N115A			RIGID	None	None	RIGID	Typical
88	RL22	N113	N115			RIGID	None	None	RIGID	Typical
89	RL23	N114	N116			RIGID	None	None	RIGID	Typical
90	RL24	N121	N123			RIGID	None	None	RIGID	Typical
91	RL25	N122	N124			RIGID	None	None	RIGID	Typical
92	RL26	N126	N127			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joi...	Rota...	Section/Shape	Type	Design List	Material	Design R...
93	RL27	N131	N133			RIGID	None	None	RIGID	Typical
94	RL28	N132	N134			RIGID	None	None	RIGID	Typical
95	RL29	N136	N137B			RIGID	None	None	RIGID	Typical
96	RL30	N146	N148A			RIGID	None	None	RIGID	Typical
97	RL31	N137A	N138A			RIGID	None	None	RIGID	Typical
98	RL32	N147	N149			RIGID	None	None	RIGID	Typical
99	RL33	N151	N152			RIGID	None	None	RIGID	Typical
100	RL34	N156	N158			RIGID	None	None	RIGID	Typical
101	RL35	N157	N159			RIGID	None	None	RIGID	Typical
102	RL36	N161	N162			RIGID	None	None	RIGID	Typical
103	SA-1	N1	N7			HSS4X4X4	None	None	Q235	Typical
104	SA-2	N2	N8			HSS4X4X4	None	None	Q235	Typical
105	SA-3	N3	N9			HSS4X4X4	None	None	Q235	Typical
106	MP10	N149A	N150A			RIGID	None	None	RIGID	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	BRACE-1-1A				2		Yes	** NA **			None
2	BRACE-1-1B			2			Yes	** NA **			None
3	BRACE-1-2A			2			Yes	** NA **			None
4	BRACE-1-2B				2		Yes	** NA **			None
5	BRACE-2-1A				2		Yes	** NA **			None
6	BRACE-2-1B			2			Yes	** NA **			None
7	BRACE-2-2A				2		Yes	** NA **			None
8	BRACE-2-2B			2			Yes	** NA **			None
9	BRACE-3-1A			2			Yes	** NA **			None
10	BRACE-3-1B				2		Yes	** NA **			None
11	BRACE-3-2A			2			Yes	** NA **			None
12	BRACE-3-2B				2		Yes	** NA **			None
13	FM-0						Yes	** NA **			None
14	FM-120						Yes	** NA **			None
15	FM-240						Yes	** NA **			None
16	HR-0						Yes	** NA **			None
17	HR-120						Yes	** NA **			None
18	HR-240						Yes	** NA **			None
19	HR-BRACE...						Yes	** NA **			None
20	HR-BRACE...						Yes	** NA **			None
21	HR-BRACE...						Yes	** NA **			None
22	MP1						Yes	** NA **			None
23	MP2						Yes	** NA **			None
24	MP3						Yes	** NA **			None
25	MP4						Yes	** NA **			None
26	MP5						Yes	** NA **			None
27	MP6						Yes	** NA **			None
28	MP7						Yes	** NA **			None
29	MP8						Yes	** NA **			None
30	MP9						Yes	** NA **			None
31	PL1						Yes				None
32	PL2						Yes	** NA **			None
33	PL3						Yes				None
34	PL4						Yes	** NA **			None
35	PL5						Yes				None
36	PL6						Yes	** NA **			None
37	PL7						Yes				None
38	PL8						Yes	** NA **			None
39	PL9						Yes				None
40	PL10						Yes	** NA **			None
41	PL11						Yes				None
42	PL12						Yes	** NA **			None
43	PL13						Yes				None
44	PL14						Yes	** NA **			None
45	PL15						Yes				None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
46	PL16						Yes	** NA **			None
47	PL17						Yes				None
48	PL18						Yes	** NA **			None
49	PL19						Yes				None
50	PL20						Yes	** NA **			None
51	PL21						Yes				None
52	PL22						Yes	** NA **			None
53	PL23						Yes				None
54	PL24						Yes	** NA **			None
55	PL25						Yes				None
56	PL26						Yes	** NA **			None
57	PL27						Yes				None
58	PL28						Yes	** NA **			None
59	PL29						Yes				None
60	PL30						Yes	** NA **			None
61	PL31						Yes				None
62	PL32						Yes	** NA **			None
63	PL33						Yes				None
64	PL34						Yes	** NA **			None
65	PL35						Yes				None
66	PL36						Yes	** NA **			None
67	RL1						Yes	** NA **			None
68	RL2						Yes	** NA **			None
69	RL3						Yes	** NA **			None
70	RL4						Yes	** NA **			None
71	RL5						Yes	** NA **			None
72	RL6						Yes	** NA **			None
73	RL7						Yes	** NA **			None
74	RL8						Yes	** NA **			None
75	RL9						Yes	** NA **			None
76	RL10						Yes	** NA **			None
77	RL11						Yes	** NA **			None
78	RL12						Yes	** NA **			None
79	RL13						Yes	** NA **			None
80	RL14						Yes	** NA **			None
81	RL15						Yes	** NA **			None
82	RL16						Yes	** NA **			None
83	RL17						Yes	** NA **			None
84	RL18						Yes	** NA **			None
85	RL19	OOOXOO	OOOOOO				Yes	** NA **			None
86	RL20		OOOOOO				Yes	** NA **			None
87	RL21	OOOXOO	OOOOOO				Yes	** NA **			None
88	RL22	OOOXOO	OOOOOO				Yes	** NA **			None
89	RL23		OOOOOO				Yes	** NA **			None
90	RL24	OOOXOO	OOOOOO				Yes	** NA **			None
91	RL25		OOOOOO				Yes	** NA **			None
92	RL26	OOOXOO	OOOOOO				Yes	** NA **			None
93	RL27	OOOXOO	OOOOOO				Yes	** NA **			None
94	RL28		OOOOOO				Yes	** NA **			None
95	RL29	OOOXOO	OOOOOO				Yes	** NA **			None
96	RL30	OOOXOO	OOOOOO				Yes	** NA **			None
97	RL31	OOOXOO	OOOOOO				Yes	** NA **			None
98	RL32		OOOOOO				Yes	** NA **			None
99	RL33	OOOXOO	OOOOOO				Yes	** NA **			None
100	RL34	OOOXOO	OOOOOO				Yes	** NA **			None
101	RL35		OOOOOO				Yes	** NA **			None
102	RL36	OOOXOO	OOOOOO				Yes	** NA **			None
103	SA-1						Yes	** NA **			None
104	SA-2						Yes	** NA **			None
105	SA-3						Yes	** NA **			None
106	MP10						Yes	** NA **			None

Hot Rolled Steel Design Parameters

	Label	Shape	Length[...	Lbyy[in]	Lbzz[in]	Lcomp top...	Lcomp bot...	L-torq...	Kyy	Kzz	Cb	Functi...
1	BRACE-1-1A	L4X4X6	37.797									Lateral
2	BRACE-1-1B	L4X4X6	37.797									Lateral
3	BRACE-1-2A	L4X4X6	26.251									Lateral
4	BRACE-1-2B	L4X4X6	26.25									Lateral
5	BRACE-2-1A	L4X4X6	37.795									Lateral
6	BRACE-2-1B	L4X4X6	37.8									Lateral
7	BRACE-2-2A	L4X4X6	26.246									Lateral
8	BRACE-2-2B	L4X4X6	26.254									Lateral
9	BRACE-3-1A	L4X4X6	37.797									Lateral
10	BRACE-3-1B	L4X4X6	37.797									Lateral
11	BRACE-3-2A	L4X4X6	26.25									Lateral
12	BRACE-3-2B	L4X4X6	26.25									Lateral
13	FM-0	PIPE_3.0	96	44.756	44.756							Lateral
14	FM-120	PIPE_3.0	96	44.756	44.756							Lateral
15	FM-240	PIPE_3.0	96	44.756	44.756							Lateral
16	HR-0	PIPE_2.5	96	92.648	Segment							Lateral
17	HR-120	PIPE_2.5	96	92.648	Segment							Lateral
18	HR-240	PIPE_2.5	96	92.648	Segment							Lateral
19	HR-BRACE-1	L2.5x2.5x3	52.501									Lateral
20	HR-BRACE-2	L2.5x2.5x3	52.501									Lateral
21	HR-BRACE-3	L2.5x2.5x3	52.5									Lateral
22	MP1	PIPE_2.5	96									Lateral
23	MP2	PIPE_2.5	96									Lateral
24	MP3	PIPE_2.5	96									Lateral
25	MP4	PIPE_2.5	96									Lateral
26	MP5	PIPE_2.5	96									Lateral
27	MP6	PIPE_2.5	96									Lateral
28	MP7	PIPE_2.5	96									Lateral
29	MP8	PIPE_2.5	96									Lateral
30	MP9	PIPE_2.5	96									Lateral
31	PL1	PL3/8x6	1									Lateral
32	PL2	PL3/8x6	4.5									Lateral
33	PL3	PL3/8x6	1									Lateral
34	PL4	PL3/8x6	4.5									Lateral
35	PL5	PL3/8x6	1									Lateral
36	PL6	PL3/8x6	3.5									Lateral
37	PL7	PL3/8x6	1									Lateral
38	PL8	PL3/8x6	3.5									Lateral
39	PL9	PL3/8x6	1									Lateral
40	PL10	PL3/8x6	4.5									Lateral
41	PL11	PL3/8x6	1									Lateral
42	PL12	PL3/8x6	4.5									Lateral
43	PL13	PL3/8x6	1									Lateral
44	PL14	PL3/8x6	4.5									Lateral
45	PL15	PL3/8x6	1									Lateral
46	PL16	PL3/8x6	4.5									Lateral
47	PL17	PL3/8x6	1									Lateral
48	PL18	PL3/8x6	3.5									Lateral
49	PL19	PL3/8x6	1									Lateral
50	PL20	PL3/8x6	3.5									Lateral
51	PL21	PL3/8x6	1									Lateral
52	PL22	PL3/8x6	4.5									Lateral
53	PL23	PL3/8x6	1									Lateral
54	PL24	PL3/8x6	4.5									Lateral
55	PL25	PL3/8x6	1									Lateral
56	PL26	PL3/8x6	4.5									Lateral
57	PL27	PL3/8x6	1									Lateral
58	PL28	PL3/8x6	4.5									Lateral
59	PL29	PL3/8x6	1									Lateral
60	PL30	PL3/8x6	3.5									Lateral
61	PL31	PL3/8x6	1									Lateral
62	PL32	PL3/8x6	3.5									Lateral
63	PL33	PL3/8x6	1									Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[...	Lbyy[in]	Lbzz[in]	Lcomp top...	Lcomp bot...	L-torq...	Kyy	Kzz	Cb	Functi...
64	PL34	PL3/8x6	4.5									Lateral
65	PL35	PL3/8x6	1									Lateral
66	PL36	PL3/8x6	4.5									Lateral
67	SA-1	HSS4X4X4	53.002	33.003								Lateral
68	SA-2	HSS4X4X4	53.002	33.003								Lateral
69	SA-3	HSS4X4X4	53.002	33.003								Lateral

Hot Rolled Steel Properties

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

Member Point Loads (BLC 1 : Dead Load)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	Y	0	%50
2	MP2	Y	0	%50
3	MP3	Y	0	%50
4	MP4	Y	0	%50
5	MP5	Y	0	%50
6	MP6	Y	0	%50
7	MP7	Y	0	%50
8	MP8	Y	0	%50
9	MP9	Y	0	%50
10	MP10	Y	0	%50
11	MP1	Y	-63.9	%50
12	MP1	Y	-75	%50
13	MP4	Y	-63.9	%50
14	MP4	Y	-75	%50
15	MP7	Y	-63.9	%50
16	MP7	Y	-75	%50
17	MP10	Y	-21.9	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	13.7	%50
2	MP2	X	65.6	%50
3	MP3	X	65.6	%50
4	MP4	X	65.6	%50
5	MP5	X	65.6	%50
6	MP6	X	65.6	%50
7	MP7	X	52.6	%50
8	MP8	X	65.6	%50
9	MP9	X	65.6	%50
10	MP10	X	0	%50
11	MP1	X	29.5	%50
12	MP1	X	33.9	%50
13	MP4	X	0	%50
14	MP4	X	55.9	%50
15	MP7	X	7.4	%50
16	MP7	X	50.4	%50
17	MP10	X	30.4	%50
18	MP1	Z	0	%50
19	MP2	Z	0	%50
20	MP3	Z	0	%50
21	MP4	Z	0	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
22	MP5	Z	0	%50
23	MP6	Z	0	%50
24	MP7	Z	0	%50
25	MP8	Z	0	%50
26	MP9	Z	0	%50
27	MP10	Z	0	%50
28	MP1	Z	0	%50
29	MP1	Z	0	%50
30	MP4	Z	0	%50
31	MP4	Z	0	%50
32	MP7	Z	0	%50
33	MP7	Z	0	%50
34	MP10	Z	0	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	23.1	%50
2	MP2	X	56.8	%50
3	MP3	X	56.8	%50
4	MP4	X	45.5	%50
5	MP5	X	56.8	%50
6	MP6	X	56.8	%50
7	MP7	X	23.1	%50
8	MP8	X	56.8	%50
9	MP9	X	56.8	%50
10	MP10	X	0	%50
11	MP1	X	19.1	%50
12	MP1	X	34.1	%50
13	MP4	X	6.4	%50
14	MP4	X	43.7	%50
15	MP7	X	19.1	%50
16	MP7	X	34.1	%50
17	MP10	X	31.3	%50
18	MP1	Z	13.3	%50
19	MP2	Z	32.8	%50
20	MP3	Z	32.8	%50
21	MP4	Z	26.3	%50
22	MP5	Z	32.8	%50
23	MP6	Z	32.8	%50
24	MP7	Z	13.3	%50
25	MP8	Z	32.8	%50
26	MP9	Z	32.8	%50
27	MP10	Z	0	%50
28	MP1	Z	11	%50
29	MP1	Z	19.7	%50
30	MP4	Z	3.7	%50
31	MP4	Z	25.2	%50
32	MP7	Z	11	%50
33	MP7	Z	19.7	%50
34	MP10	Z	18.1	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	26.3	%50
2	MP2	X	32.8	%50
3	MP3	X	32.8	%50
4	MP4	X	13.3	%50
5	MP5	X	32.8	%50
6	MP6	X	32.8	%50
7	MP7	X	6.8	%50
8	MP8	X	32.8	%50
9	MP9	X	32.8	%50
10	MP10	X	0	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
11	MP1	X	3.7	%50
12	MP1	X	25.2	%50
13	MP4	X	11	%50
14	MP4	X	19.7	%50
15	MP7	X	14.7	%50
16	MP7	X	17	%50
17	MP10	X	23.8	%50
18	MP1	Z	45.5	%50
19	MP2	Z	56.8	%50
20	MP3	Z	56.8	%50
21	MP4	Z	23.1	%50
22	MP5	Z	56.8	%50
23	MP6	Z	56.8	%50
24	MP7	Z	11.8	%50
25	MP8	Z	56.8	%50
26	MP9	Z	56.8	%50
27	MP10	Z	0	%50
28	MP1	Z	6.4	%50
29	MP1	Z	43.7	%50
30	MP4	Z	19.1	%50
31	MP4	Z	34.1	%50
32	MP7	Z	25.5	%50
33	MP7	Z	29.4	%50
34	MP10	Z	41.1	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP1	X	0	%50
12	MP1	X	0	%50
13	MP4	X	0	%50
14	MP4	X	0	%50
15	MP7	X	0	%50
16	MP7	X	0	%50
17	MP10	X	0	%50
18	MP1	Z	65.6	%50
19	MP2	Z	65.6	%50
20	MP3	Z	65.6	%50
21	MP4	Z	13.7	%50
22	MP5	Z	65.6	%50
23	MP6	Z	65.6	%50
24	MP7	Z	26.6	%50
25	MP8	Z	65.6	%50
26	MP9	Z	65.6	%50
27	MP10	Z	0	%50
28	MP1	Z	0	%50
29	MP1	Z	55.9	%50
30	MP4	Z	29.5	%50
31	MP4	Z	33.9	%50
32	MP7	Z	22.1	%50
33	MP7	Z	39.4	%50
34	MP10	Z	53.2	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-26.3	%50
2	MP2	X	-32.8	%50
3	MP3	X	-32.8	%50
4	MP4	X	-13.3	%50
5	MP5	X	-32.8	%50
6	MP6	X	-32.8	%50
7	MP7	X	-26.3	%50
8	MP8	X	-32.8	%50
9	MP9	X	-32.8	%50
10	MP10	X	0	%50
11	MP1	X	-3.7	%50
12	MP1	X	-25.2	%50
13	MP4	X	-11	%50
14	MP4	X	-19.7	%50
15	MP7	X	-3.7	%50
16	MP7	X	-25.2	%50
17	MP10	X	-23.8	%50
18	MP1	Z	45.5	%50
19	MP2	Z	56.8	%50
20	MP3	Z	56.8	%50
21	MP4	Z	23.1	%50
22	MP5	Z	56.8	%50
23	MP6	Z	56.8	%50
24	MP7	Z	45.5	%50
25	MP8	Z	56.8	%50
26	MP9	Z	56.8	%50
27	MP10	Z	0	%50
28	MP1	Z	6.4	%50
29	MP1	Z	43.7	%50
30	MP4	Z	19.1	%50
31	MP4	Z	34.1	%50
32	MP7	Z	6.4	%50
33	MP7	Z	43.7	%50
34	MP10	Z	41.1	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-23.1	%50
2	MP2	X	-56.8	%50
3	MP3	X	-56.8	%50
4	MP4	X	-45.5	%50
5	MP5	X	-56.8	%50
6	MP6	X	-56.8	%50
7	MP7	X	-56.8	%50
8	MP8	X	-56.8	%50
9	MP9	X	-56.8	%50
10	MP10	X	0	%50
11	MP1	X	-19.1	%50
12	MP1	X	-34.1	%50
13	MP4	X	-6.4	%50
14	MP4	X	-43.7	%50
15	MP7	X	0	%50
16	MP7	X	-48.4	%50
17	MP10	X	-31.3	%50
18	MP1	Z	13.3	%50
19	MP2	Z	32.8	%50
20	MP3	Z	32.8	%50
21	MP4	Z	26.3	%50
22	MP5	Z	32.8	%50
23	MP6	Z	32.8	%50
24	MP7	Z	32.8	%50
25	MP8	Z	32.8	%50
26	MP9	Z	32.8	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
27	MP10	Z	0	%50
28	MP1	Z	11	%50
29	MP1	Z	19.7	%50
30	MP4	Z	3.7	%50
31	MP4	Z	25.2	%50
32	MP7	Z	0	%50
33	MP7	Z	28	%50
34	MP10	Z	18.1	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-13.7	%50
2	MP2	X	-65.6	%50
3	MP3	X	-65.6	%50
4	MP4	X	-65.6	%50
5	MP5	X	-65.6	%50
6	MP6	X	-65.6	%50
7	MP7	X	-52.6	%50
8	MP8	X	-65.6	%50
9	MP9	X	-65.6	%50
10	MP10	X	0	%50
11	MP1	X	-29.5	%50
12	MP1	X	-33.9	%50
13	MP4	X	0	%50
14	MP4	X	-55.9	%50
15	MP7	X	-7.4	%50
16	MP7	X	-50.4	%50
17	MP10	X	-30.4	%50
18	MP1	Z	0	%50
19	MP2	Z	0	%50
20	MP3	Z	0	%50
21	MP4	Z	0	%50
22	MP5	Z	0	%50
23	MP6	Z	0	%50
24	MP7	Z	0	%50
25	MP8	Z	0	%50
26	MP9	Z	0	%50
27	MP10	Z	0	%50
28	MP1	Z	0	%50
29	MP1	Z	0	%50
30	MP4	Z	0	%50
31	MP4	Z	0	%50
32	MP7	Z	0	%50
33	MP7	Z	0	%50
34	MP10	Z	0	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-23.1	%50
2	MP2	X	-56.8	%50
3	MP3	X	-56.8	%50
4	MP4	X	-45.5	%50
5	MP5	X	-56.8	%50
6	MP6	X	-56.8	%50
7	MP7	X	-23.1	%50
8	MP8	X	-56.8	%50
9	MP9	X	-56.8	%50
10	MP10	X	0	%50
11	MP1	X	-19.1	%50
12	MP1	X	-34.1	%50
13	MP4	X	-6.4	%50
14	MP4	X	-43.7	%50
15	MP7	X	-19.1	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
16	MP7	X	-34.1	%50
17	MP10	X	-31.3	%50
18	MP1	Z	-13.3	%50
19	MP2	Z	-32.8	%50
20	MP3	Z	-32.8	%50
21	MP4	Z	-26.3	%50
22	MP5	Z	-32.8	%50
23	MP6	Z	-32.8	%50
24	MP7	Z	-13.3	%50
25	MP8	Z	-32.8	%50
26	MP9	Z	-32.8	%50
27	MP10	Z	0	%50
28	MP1	Z	-11	%50
29	MP1	Z	-19.7	%50
30	MP4	Z	-3.7	%50
31	MP4	Z	-25.2	%50
32	MP7	Z	-11	%50
33	MP7	Z	-19.7	%50
34	MP10	Z	-18.1	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-26.3	%50
2	MP2	X	-32.8	%50
3	MP3	X	-32.8	%50
4	MP4	X	-13.3	%50
5	MP5	X	-32.8	%50
6	MP6	X	-32.8	%50
7	MP7	X	-6.8	%50
8	MP8	X	-32.8	%50
9	MP9	X	-32.8	%50
10	MP10	X	0	%50
11	MP1	X	-3.7	%50
12	MP1	X	-25.2	%50
13	MP4	X	-11	%50
14	MP4	X	-19.7	%50
15	MP7	X	-14.7	%50
16	MP7	X	-17	%50
17	MP10	X	-23.8	%50
18	MP1	Z	-45.5	%50
19	MP2	Z	-56.8	%50
20	MP3	Z	-56.8	%50
21	MP4	Z	-23.1	%50
22	MP5	Z	-56.8	%50
23	MP6	Z	-56.8	%50
24	MP7	Z	-11.8	%50
25	MP8	Z	-56.8	%50
26	MP9	Z	-56.8	%50
27	MP10	Z	0	%50
28	MP1	Z	-6.4	%50
29	MP1	Z	-43.7	%50
30	MP4	Z	-19.1	%50
31	MP4	Z	-34.1	%50
32	MP7	Z	-25.5	%50
33	MP7	Z	-29.4	%50
34	MP10	Z	-41.1	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP1	X	0	%50
12	MP1	X	0	%50
13	MP4	X	0	%50
14	MP4	X	0	%50
15	MP7	X	0	%50
16	MP7	X	0	%50
17	MP10	X	0	%50
18	MP1	Z	-65.6	%50
19	MP2	Z	-65.6	%50
20	MP3	Z	-65.6	%50
21	MP4	Z	-13.7	%50
22	MP5	Z	-65.6	%50
23	MP6	Z	-65.6	%50
24	MP7	Z	-26.6	%50
25	MP8	Z	-65.6	%50
26	MP9	Z	-65.6	%50
27	MP10	Z	0	%50
28	MP1	Z	0	%50
29	MP1	Z	-55.9	%50
30	MP4	Z	-29.5	%50
31	MP4	Z	-33.9	%50
32	MP7	Z	-22.1	%50
33	MP7	Z	-39.4	%50
34	MP10	Z	-53.2	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	26.3	%50
2	MP2	X	32.8	%50
3	MP3	X	32.8	%50
4	MP4	X	13.3	%50
5	MP5	X	32.8	%50
6	MP6	X	32.8	%50
7	MP7	X	26.3	%50
8	MP8	X	32.8	%50
9	MP9	X	32.8	%50
10	MP10	X	0	%50
11	MP1	X	3.7	%50
12	MP1	X	25.2	%50
13	MP4	X	11	%50
14	MP4	X	19.7	%50
15	MP7	X	3.7	%50
16	MP7	X	25.2	%50
17	MP10	X	23.8	%50
18	MP1	Z	-45.5	%50
19	MP2	Z	-56.8	%50
20	MP3	Z	-56.8	%50
21	MP4	Z	-23.1	%50
22	MP5	Z	-56.8	%50
23	MP6	Z	-56.8	%50
24	MP7	Z	-45.5	%50
25	MP8	Z	-56.8	%50
26	MP9	Z	-56.8	%50
27	MP10	Z	0	%50
28	MP1	Z	-6.4	%50
29	MP1	Z	-43.7	%50
30	MP4	Z	-19.1	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
31	MP4	Z	-34.1	%50
32	MP7	Z	-6.4	%50
33	MP7	Z	-43.7	%50
34	MP10	Z	-41.1	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	23.1	%50
2	MP2	X	56.8	%50
3	MP3	X	56.8	%50
4	MP4	X	45.5	%50
5	MP5	X	56.8	%50
6	MP6	X	56.8	%50
7	MP7	X	56.8	%50
8	MP8	X	56.8	%50
9	MP9	X	56.8	%50
10	MP10	X	0	%50
11	MP1	X	19.1	%50
12	MP1	X	34.1	%50
13	MP4	X	6.4	%50
14	MP4	X	43.7	%50
15	MP7	X	0	%50
16	MP7	X	48.4	%50
17	MP10	X	31.3	%50
18	MP1	Z	-13.3	%50
19	MP2	Z	-32.8	%50
20	MP3	Z	-32.8	%50
21	MP4	Z	-26.3	%50
22	MP5	Z	-32.8	%50
23	MP6	Z	-32.8	%50
24	MP7	Z	-32.8	%50
25	MP8	Z	-32.8	%50
26	MP9	Z	-32.8	%50
27	MP10	Z	0	%50
28	MP1	Z	-11	%50
29	MP1	Z	-19.7	%50
30	MP4	Z	-3.7	%50
31	MP4	Z	-25.2	%50
32	MP7	Z	0	%50
33	MP7	Z	-28	%50
34	MP10	Z	-18.1	%50

Member Point Loads (BLC 14 : Ice Load)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	Y	-42.2	%50
2	MP2	Y	-42.2	%50
3	MP3	Y	-42.2	%50
4	MP4	Y	-42.2	%50
5	MP5	Y	-42.2	%50
6	MP6	Y	-42.2	%50
7	MP7	Y	-42.2	%50
8	MP8	Y	-42.2	%50
9	MP9	Y	-42.2	%50
10	MP10	Y	0	%50
11	MP1	Y	-31.4	%50
12	MP1	Y	-32.5	%50
13	MP4	Y	-31.4	%50
14	MP4	Y	-32.5	%50
15	MP7	Y	-31.4	%50
16	MP7	Y	-32.5	%50
17	MP10	Y	-30.6	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	4.6	%50
2	MP2	X	18.7	%50
3	MP3	X	18.7	%50
4	MP4	X	18.7	%50
5	MP5	X	18.7	%50
6	MP6	X	18.7	%50
7	MP7	X	15.2	%50
8	MP8	X	18.7	%50
9	MP9	X	18.7	%50
10	MP10	X	0	%50
11	MP1	X	6.2	%50
12	MP1	X	6.9	%50
13	MP4	X	1.8	%50
14	MP4	X	11.6	%50
15	MP7	X	2.9	%50
16	MP7	X	10.5	%50
17	MP10	X	6.8	%50
18	MP1	Z	0	%50
19	MP2	Z	0	%50
20	MP3	Z	0	%50
21	MP4	Z	0	%50
22	MP5	Z	0	%50
23	MP6	Z	0	%50
24	MP7	Z	0	%50
25	MP8	Z	0	%50
26	MP9	Z	0	%50
27	MP10	Z	0	%50
28	MP1	Z	0	%50
29	MP1	Z	0	%50
30	MP4	Z	0	%50
31	MP4	Z	0	%50
32	MP7	Z	0	%50
33	MP7	Z	0	%50
34	MP10	Z	0	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	7	%50
2	MP2	X	16.2	%50
3	MP3	X	16.2	%50
4	MP4	X	13.1	%50
5	MP5	X	16.2	%50
6	MP6	X	16.2	%50
7	MP7	X	7	%50
8	MP8	X	16.2	%50
9	MP9	X	16.2	%50
10	MP10	X	0	%50
11	MP1	X	4.4	%50
12	MP1	X	7	%50
13	MP4	X	2.5	%50
14	MP4	X	9.1	%50
15	MP7	X	4.4	%50
16	MP7	X	7	%50
17	MP10	X	6.8	%50
18	MP1	Z	4.1	%50
19	MP2	Z	9.3	%50
20	MP3	Z	9.3	%50
21	MP4	Z	7.6	%50
22	MP5	Z	9.3	%50
23	MP6	Z	9.3	%50
24	MP7	Z	4.1	%50
25	MP8	Z	9.3	%50
26	MP9	Z	9.3	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
27	MP10	Z	0	%50
28	MP1	Z	2.5	%50
29	MP1	Z	4.1	%50
30	MP4	Z	1.4	%50
31	MP4	Z	5.2	%50
32	MP7	Z	2.5	%50
33	MP7	Z	4.1	%50
34	MP10	Z	3.9	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	7.6	%50
2	MP2	X	9.3	%50
3	MP3	X	9.3	%50
4	MP4	X	4.1	%50
5	MP5	X	9.3	%50
6	MP6	X	9.3	%50
7	MP7	X	2.3	%50
8	MP8	X	9.3	%50
9	MP9	X	9.3	%50
10	MP10	X	0	%50
11	MP1	X	1.4	%50
12	MP1	X	5.2	%50
13	MP4	X	2.5	%50
14	MP4	X	4.1	%50
15	MP7	X	3.1	%50
16	MP7	X	3.5	%50
17	MP10	X	5	%50
18	MP1	Z	13.1	%50
19	MP2	Z	16.2	%50
20	MP3	Z	16.2	%50
21	MP4	Z	7	%50
22	MP5	Z	16.2	%50
23	MP6	Z	16.2	%50
24	MP7	Z	4	%50
25	MP8	Z	16.2	%50
26	MP9	Z	16.2	%50
27	MP10	Z	0	%50
28	MP1	Z	2.5	%50
29	MP1	Z	9.1	%50
30	MP4	Z	4.4	%50
31	MP4	Z	7	%50
32	MP7	Z	5.3	%50
33	MP7	Z	6	%50
34	MP10	Z	8.6	%50

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

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

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
16	MP7	X	0	%50
17	MP10	X	0	%50
18	MP1	Z	18.7	%50
19	MP2	Z	18.7	%50
20	MP3	Z	18.7	%50
21	MP4	Z	4.6	%50
22	MP5	Z	18.7	%50
23	MP6	Z	18.7	%50
24	MP7	Z	8.1	%50
25	MP8	Z	18.7	%50
26	MP9	Z	18.7	%50
27	MP10	Z	0	%50
28	MP1	Z	1.8	%50
29	MP1	Z	11.6	%50
30	MP4	Z	6.2	%50
31	MP4	Z	6.9	%50
32	MP7	Z	5.1	%50
33	MP7	Z	8.1	%50
34	MP10	Z	11	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-7.6	%50
2	MP2	X	-9.3	%50
3	MP3	X	-9.3	%50
4	MP4	X	-4.1	%50
5	MP5	X	-9.3	%50
6	MP6	X	-9.3	%50
7	MP7	X	-7.6	%50
8	MP8	X	-9.3	%50
9	MP9	X	-9.3	%50
10	MP10	X	0	%50
11	MP1	X	-1.4	%50
12	MP1	X	-5.2	%50
13	MP4	X	-2.5	%50
14	MP4	X	-4.1	%50
15	MP7	X	-1.4	%50
16	MP7	X	-5.2	%50
17	MP10	X	-5	%50
18	MP1	Z	13.1	%50
19	MP2	Z	16.2	%50
20	MP3	Z	16.2	%50
21	MP4	Z	7	%50
22	MP5	Z	16.2	%50
23	MP6	Z	16.2	%50
24	MP7	Z	13.1	%50
25	MP8	Z	16.2	%50
26	MP9	Z	16.2	%50
27	MP10	Z	0	%50
28	MP1	Z	2.5	%50
29	MP1	Z	9.1	%50
30	MP4	Z	4.4	%50
31	MP4	Z	7	%50
32	MP7	Z	2.5	%50
33	MP7	Z	9.1	%50
34	MP10	Z	8.6	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-7	%50
2	MP2	X	-16.2	%50
3	MP3	X	-16.2	%50
4	MP4	X	-13.1	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
5	MP5	X	-16.2	%50
6	MP6	X	-16.2	%50
7	MP7	X	-16.2	%50
8	MP8	X	-16.2	%50
9	MP9	X	-16.2	%50
10	MP10	X	0	%50
11	MP1	X	-4.4	%50
12	MP1	X	-7	%50
13	MP4	X	-2.5	%50
14	MP4	X	-9.1	%50
15	MP7	X	-1.5	%50
16	MP7	X	-10.1	%50
17	MP10	X	-6.8	%50
18	MP1	Z	4.1	%50
19	MP2	Z	9.3	%50
20	MP3	Z	9.3	%50
21	MP4	Z	7.6	%50
22	MP5	Z	9.3	%50
23	MP6	Z	9.3	%50
24	MP7	Z	9.3	%50
25	MP8	Z	9.3	%50
26	MP9	Z	9.3	%50
27	MP10	Z	0	%50
28	MP1	Z	2.5	%50
29	MP1	Z	4.1	%50
30	MP4	Z	1.4	%50
31	MP4	Z	5.2	%50
32	MP7	Z	.9	%50
33	MP7	Z	5.8	%50
34	MP10	Z	3.9	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-4.6	%50
2	MP2	X	-18.7	%50
3	MP3	X	-18.7	%50
4	MP4	X	-18.7	%50
5	MP5	X	-18.7	%50
6	MP6	X	-18.7	%50
7	MP7	X	-15.2	%50
8	MP8	X	-18.7	%50
9	MP9	X	-18.7	%50
10	MP10	X	0	%50
11	MP1	X	-6.2	%50
12	MP1	X	-6.9	%50
13	MP4	X	-1.8	%50
14	MP4	X	-11.6	%50
15	MP7	X	-2.9	%50
16	MP7	X	-10.5	%50
17	MP10	X	-6.8	%50
18	MP1	Z	0	%50
19	MP2	Z	0	%50
20	MP3	Z	0	%50
21	MP4	Z	0	%50
22	MP5	Z	0	%50
23	MP6	Z	0	%50
24	MP7	Z	0	%50
25	MP8	Z	0	%50
26	MP9	Z	0	%50
27	MP10	Z	0	%50
28	MP1	Z	0	%50
29	MP1	Z	0	%50
30	MP4	Z	0	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
31	MP4	Z	0	%50
32	MP7	Z	0	%50
33	MP7	Z	0	%50
34	MP10	Z	0	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-7	%50
2	MP2	X	-16.2	%50
3	MP3	X	-16.2	%50
4	MP4	X	-13.1	%50
5	MP5	X	-16.2	%50
6	MP6	X	-16.2	%50
7	MP7	X	-7	%50
8	MP8	X	-16.2	%50
9	MP9	X	-16.2	%50
10	MP10	X	0	%50
11	MP1	X	-4.4	%50
12	MP1	X	-7	%50
13	MP4	X	-2.5	%50
14	MP4	X	-9.1	%50
15	MP7	X	-4.4	%50
16	MP7	X	-7	%50
17	MP10	X	-6.8	%50
18	MP1	Z	-4.1	%50
19	MP2	Z	-9.3	%50
20	MP3	Z	-9.3	%50
21	MP4	Z	-7.6	%50
22	MP5	Z	-9.3	%50
23	MP6	Z	-9.3	%50
24	MP7	Z	-4.1	%50
25	MP8	Z	-9.3	%50
26	MP9	Z	-9.3	%50
27	MP10	Z	0	%50
28	MP1	Z	-2.5	%50
29	MP1	Z	-4.1	%50
30	MP4	Z	-1.4	%50
31	MP4	Z	-5.2	%50
32	MP7	Z	-2.5	%50
33	MP7	Z	-4.1	%50
34	MP10	Z	-3.9	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-7.6	%50
2	MP2	X	-9.3	%50
3	MP3	X	-9.3	%50
4	MP4	X	-4.1	%50
5	MP5	X	-9.3	%50
6	MP6	X	-9.3	%50
7	MP7	X	-2.3	%50
8	MP8	X	-9.3	%50
9	MP9	X	-9.3	%50
10	MP10	X	0	%50
11	MP1	X	-1.4	%50
12	MP1	X	-5.2	%50
13	MP4	X	-2.5	%50
14	MP4	X	-4.1	%50
15	MP7	X	-3.1	%50
16	MP7	X	-3.5	%50
17	MP10	X	-5	%50
18	MP1	Z	-13.1	%50
19	MP2	Z	-16.2	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
20	MP3	Z	-16.2	%50
21	MP4	Z	-7	%50
22	MP5	Z	-16.2	%50
23	MP6	Z	-16.2	%50
24	MP7	Z	-4	%50
25	MP8	Z	-16.2	%50
26	MP9	Z	-16.2	%50
27	MP10	Z	0	%50
28	MP1	Z	-2.5	%50
29	MP1	Z	-9.1	%50
30	MP4	Z	-4.4	%50
31	MP4	Z	-7	%50
32	MP7	Z	-5.3	%50
33	MP7	Z	-6	%50
34	MP10	Z	-8.6	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP1	X	0	%50
12	MP1	X	0	%50
13	MP4	X	0	%50
14	MP4	X	0	%50
15	MP7	X	0	%50
16	MP7	X	0	%50
17	MP10	X	0	%50
18	MP1	Z	-18.7	%50
19	MP2	Z	-18.7	%50
20	MP3	Z	-18.7	%50
21	MP4	Z	-4.6	%50
22	MP5	Z	-18.7	%50
23	MP6	Z	-18.7	%50
24	MP7	Z	-8.1	%50
25	MP8	Z	-18.7	%50
26	MP9	Z	-18.7	%50
27	MP10	Z	0	%50
28	MP1	Z	-1.8	%50
29	MP1	Z	-11.6	%50
30	MP4	Z	-6.2	%50
31	MP4	Z	-6.9	%50
32	MP7	Z	-5.1	%50
33	MP7	Z	-8.1	%50
34	MP10	Z	-11	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	7.6	%50
2	MP2	X	9.3	%50
3	MP3	X	9.3	%50
4	MP4	X	4.1	%50
5	MP5	X	9.3	%50
6	MP6	X	9.3	%50
7	MP7	X	7.6	%50
8	MP8	X	9.3	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
9	MP9	X	9.3	%50
10	MP10	X	0	%50
11	MP1	X	1.4	%50
12	MP1	X	5.2	%50
13	MP4	X	2.5	%50
14	MP4	X	4.1	%50
15	MP7	X	1.4	%50
16	MP7	X	5.2	%50
17	MP10	X	5	%50
18	MP1	Z	-13.1	%50
19	MP2	Z	-16.2	%50
20	MP3	Z	-16.2	%50
21	MP4	Z	-7	%50
22	MP5	Z	-16.2	%50
23	MP6	Z	-16.2	%50
24	MP7	Z	-13.1	%50
25	MP8	Z	-16.2	%50
26	MP9	Z	-16.2	%50
27	MP10	Z	0	%50
28	MP1	Z	-2.5	%50
29	MP1	Z	-9.1	%50
30	MP4	Z	-4.4	%50
31	MP4	Z	-7	%50
32	MP7	Z	-2.5	%50
33	MP7	Z	-9.1	%50
34	MP10	Z	-8.6	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	7	%50
2	MP2	X	16.2	%50
3	MP3	X	16.2	%50
4	MP4	X	13.1	%50
5	MP5	X	16.2	%50
6	MP6	X	16.2	%50
7	MP7	X	16.2	%50
8	MP8	X	16.2	%50
9	MP9	X	16.2	%50
10	MP10	X	0	%50
11	MP1	X	4.4	%50
12	MP1	X	7	%50
13	MP4	X	2.5	%50
14	MP4	X	9.1	%50
15	MP7	X	1.5	%50
16	MP7	X	10.1	%50
17	MP10	X	6.8	%50
18	MP1	Z	-4.1	%50
19	MP2	Z	-9.3	%50
20	MP3	Z	-9.3	%50
21	MP4	Z	-7.6	%50
22	MP5	Z	-9.3	%50
23	MP6	Z	-9.3	%50
24	MP7	Z	-9.3	%50
25	MP8	Z	-9.3	%50
26	MP9	Z	-9.3	%50
27	MP10	Z	0	%50
28	MP1	Z	-2.5	%50
29	MP1	Z	-4.1	%50
30	MP4	Z	-1.4	%50
31	MP4	Z	-5.2	%50
32	MP7	Z	-.9	%50
33	MP7	Z	-5.8	%50
34	MP10	Z	-3.9	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP1	X	63.9	%50
12	MP1	X	75	%50
13	MP4	X	63.9	%50
14	MP4	X	75	%50
15	MP7	X	63.9	%50
16	MP7	X	75	%50
17	MP10	X	21.9	%50
18	MP1	Z	0	%50
19	MP2	Z	0	%50
20	MP3	Z	0	%50
21	MP4	Z	0	%50
22	MP5	Z	0	%50
23	MP6	Z	0	%50
24	MP7	Z	0	%50
25	MP8	Z	0	%50
26	MP9	Z	0	%50
27	MP10	Z	0	%50
28	MP1	Z	0	%50
29	MP1	Z	0	%50
30	MP4	Z	0	%50
31	MP4	Z	0	%50
32	MP7	Z	0	%50
33	MP7	Z	0	%50
34	MP10	Z	0	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP1	X	55.3	%50
12	MP1	X	65	%50
13	MP4	X	55.3	%50
14	MP4	X	65	%50
15	MP7	X	55.3	%50
16	MP7	X	65	%50
17	MP10	X	19	%50
18	MP1	Z	0	%50
19	MP2	Z	0	%50
20	MP3	Z	0	%50
21	MP4	Z	0	%50
22	MP5	Z	0	%50
23	MP6	Z	0	%50
24	MP7	Z	0	%50
25	MP8	Z	0	%50
26	MP9	Z	0	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
27	MP10	Z	0	%50
28	MP1	Z	31.9	%50
29	MP1	Z	37.5	%50
30	MP4	Z	31.9	%50
31	MP4	Z	37.5	%50
32	MP7	Z	31.9	%50
33	MP7	Z	37.5	%50
34	MP10	Z	10.9	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP1	X	32	%50
12	MP1	X	37.5	%50
13	MP4	X	32	%50
14	MP4	X	37.5	%50
15	MP7	X	32	%50
16	MP7	X	37.5	%50
17	MP10	X	11	%50
18	MP1	Z	0	%50
19	MP2	Z	0	%50
20	MP3	Z	0	%50
21	MP4	Z	0	%50
22	MP5	Z	0	%50
23	MP6	Z	0	%50
24	MP7	Z	0	%50
25	MP8	Z	0	%50
26	MP9	Z	0	%50
27	MP10	Z	0	%50
28	MP1	Z	55.3	%50
29	MP1	Z	65	%50
30	MP4	Z	55.3	%50
31	MP4	Z	65	%50
32	MP7	Z	55.3	%50
33	MP7	Z	65	%50
34	MP10	Z	19	%50

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

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

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
16	MP7	X	0	%50
17	MP10	X	0	%50
18	MP1	Z	0	%50
19	MP2	Z	0	%50
20	MP3	Z	0	%50
21	MP4	Z	0	%50
22	MP5	Z	0	%50
23	MP6	Z	0	%50
24	MP7	Z	0	%50
25	MP8	Z	0	%50
26	MP9	Z	0	%50
27	MP10	Z	0	%50
28	MP1	Z	63.9	%50
29	MP1	Z	75	%50
30	MP4	Z	63.9	%50
31	MP4	Z	75	%50
32	MP7	Z	63.9	%50
33	MP7	Z	75	%50
34	MP10	Z	21.9	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP1	X	-31.9	%50
12	MP1	X	-37.5	%50
13	MP4	X	-31.9	%50
14	MP4	X	-37.5	%50
15	MP7	X	-31.9	%50
16	MP7	X	-37.5	%50
17	MP10	X	-10.9	%50
18	MP1	Z	0	%50
19	MP2	Z	0	%50
20	MP3	Z	0	%50
21	MP4	Z	0	%50
22	MP5	Z	0	%50
23	MP6	Z	0	%50
24	MP7	Z	0	%50
25	MP8	Z	0	%50
26	MP9	Z	0	%50
27	MP10	Z	0	%50
28	MP1	Z	55.3	%50
29	MP1	Z	65	%50
30	MP4	Z	55.3	%50
31	MP4	Z	65	%50
32	MP7	Z	55.3	%50
33	MP7	Z	65	%50
34	MP10	Z	19	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP1	X	-55.3	%50
12	MP1	X	-65	%50
13	MP4	X	-55.3	%50
14	MP4	X	-65	%50
15	MP7	X	-55.3	%50
16	MP7	X	-65	%50
17	MP10	X	-19	%50
18	MP1	Z	0	%50
19	MP2	Z	0	%50
20	MP3	Z	0	%50
21	MP4	Z	0	%50
22	MP5	Z	0	%50
23	MP6	Z	0	%50
24	MP7	Z	0	%50
25	MP8	Z	0	%50
26	MP9	Z	0	%50
27	MP10	Z	0	%50
28	MP1	Z	31.9	%50
29	MP1	Z	37.5	%50
30	MP4	Z	31.9	%50
31	MP4	Z	37.5	%50
32	MP7	Z	31.9	%50
33	MP7	Z	37.5	%50
34	MP10	Z	10.9	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP1	X	-63.9	%50
12	MP1	X	-75	%50
13	MP4	X	-63.9	%50
14	MP4	X	-75	%50
15	MP7	X	-63.9	%50
16	MP7	X	-75	%50
17	MP10	X	-21.9	%50
18	MP1	Z	0	%50
19	MP2	Z	0	%50
20	MP3	Z	0	%50
21	MP4	Z	0	%50
22	MP5	Z	0	%50
23	MP6	Z	0	%50
24	MP7	Z	0	%50
25	MP8	Z	0	%50
26	MP9	Z	0	%50
27	MP10	Z	0	%50
28	MP1	Z	0	%50
29	MP1	Z	0	%50
30	MP4	Z	0	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
31	MP4	Z	0	%50
32	MP7	Z	0	%50
33	MP7	Z	0	%50
34	MP10	Z	0	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP1	X	-55.3	%50
12	MP1	X	-65	%50
13	MP4	X	-55.3	%50
14	MP4	X	-65	%50
15	MP7	X	-55.3	%50
16	MP7	X	-65	%50
17	MP10	X	-19	%50
18	MP1	Z	0	%50
19	MP2	Z	0	%50
20	MP3	Z	0	%50
21	MP4	Z	0	%50
22	MP5	Z	0	%50
23	MP6	Z	0	%50
24	MP7	Z	0	%50
25	MP8	Z	0	%50
26	MP9	Z	0	%50
27	MP10	Z	0	%50
28	MP1	Z	-32	%50
29	MP1	Z	-37.5	%50
30	MP4	Z	-32	%50
31	MP4	Z	-37.5	%50
32	MP7	Z	-32	%50
33	MP7	Z	-37.5	%50
34	MP10	Z	-11	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP1	X	-32	%50
12	MP1	X	-37.5	%50
13	MP4	X	-32	%50
14	MP4	X	-37.5	%50
15	MP7	X	-32	%50
16	MP7	X	-37.5	%50
17	MP10	X	-11	%50
18	MP1	Z	0	%50
19	MP2	Z	0	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
20	MP3	Z	0	%50
21	MP4	Z	0	%50
22	MP5	Z	0	%50
23	MP6	Z	0	%50
24	MP7	Z	0	%50
25	MP8	Z	0	%50
26	MP9	Z	0	%50
27	MP10	Z	0	%50
28	MP1	Z	-55.3	%50
29	MP1	Z	-65	%50
30	MP4	Z	-55.3	%50
31	MP4	Z	-65	%50
32	MP7	Z	-55.3	%50
33	MP7	Z	-65	%50
34	MP10	Z	-19	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP1	X	0	%50
12	MP1	X	0	%50
13	MP4	X	0	%50
14	MP4	X	0	%50
15	MP7	X	0	%50
16	MP7	X	0	%50
17	MP10	X	0	%50
18	MP1	Z	0	%50
19	MP2	Z	0	%50
20	MP3	Z	0	%50
21	MP4	Z	0	%50
22	MP5	Z	0	%50
23	MP6	Z	0	%50
24	MP7	Z	0	%50
25	MP8	Z	0	%50
26	MP9	Z	0	%50
27	MP10	Z	0	%50
28	MP1	Z	-63.9	%50
29	MP1	Z	-75	%50
30	MP4	Z	-63.9	%50
31	MP4	Z	-75	%50
32	MP7	Z	-63.9	%50
33	MP7	Z	-75	%50
34	MP10	Z	-21.9	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP1	X	32	%50
12	MP1	X	37.5	%50
13	MP4	X	32	%50
14	MP4	X	37.5	%50
15	MP7	X	32	%50
16	MP7	X	37.5	%50
17	MP10	X	11	%50
18	MP1	Z	0	%50
19	MP2	Z	0	%50
20	MP3	Z	0	%50
21	MP4	Z	0	%50
22	MP5	Z	0	%50
23	MP6	Z	0	%50
24	MP7	Z	0	%50
25	MP8	Z	0	%50
26	MP9	Z	0	%50
27	MP10	Z	0	%50
28	MP1	Z	-55.3	%50
29	MP1	Z	-65	%50
30	MP4	Z	-55.3	%50
31	MP4	Z	-65	%50
32	MP7	Z	-55.3	%50
33	MP7	Z	-65	%50
34	MP10	Z	-19	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP1	X	55.3	%50
12	MP1	X	65	%50
13	MP4	X	55.3	%50
14	MP4	X	65	%50
15	MP7	X	55.3	%50
16	MP7	X	65	%50
17	MP10	X	19	%50
18	MP1	Z	0	%50
19	MP2	Z	0	%50
20	MP3	Z	0	%50
21	MP4	Z	0	%50
22	MP5	Z	0	%50
23	MP6	Z	0	%50
24	MP7	Z	0	%50
25	MP8	Z	0	%50
26	MP9	Z	0	%50
27	MP10	Z	0	%50
28	MP1	Z	-32	%50
29	MP1	Z	-37.5	%50
30	MP4	Z	-32	%50
31	MP4	Z	-37.5	%50
32	MP7	Z	-32	%50
33	MP7	Z	-37.5	%50
34	MP10	Z	-11	%50

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Member Point Loads (BLC 175 : Antenna Dead Load)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	Y	-32.2	%18.75
2	MP1	Y	-32.2	%81.25
3	MP4	Y	-32.2	%18.75
4	MP4	Y	-32.2	%81.25
5	MP7	Y	-32.2	%18.75
6	MP7	Y	-32.2	%81.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	178	%18.75

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
2	MP1	X	178	%81.25
3	MP4	X	83.6	%18.75
4	MP4	X	83.6	%81.25
5	MP7	X	107.2	%18.75
6	MP7	X	107.2	%81.25
7	MP1	Z	0	0
8	MP1	Z	0	0
9	MP4	Z	0	0
10	MP4	Z	0	0
11	MP7	Z	0	0
12	MP7	Z	0	0

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	133.7	%18.75
2	MP1	X	133.7	%81.25
3	MP4	X	92.8	%18.75
4	MP4	X	92.8	%81.25
5	MP7	X	133.7	%18.75
6	MP7	X	133.7	%81.25
7	MP1	Z	77.2	%18.75
8	MP1	Z	77.2	%81.25
9	MP4	Z	53.6	%18.75
10	MP4	Z	53.6	%81.25
11	MP7	Z	77.2	%18.75
12	MP7	Z	77.2	%81.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	53.6	%18.75
2	MP1	X	53.6	%81.25
3	MP4	X	77.2	%18.75
4	MP4	X	77.2	%81.25
5	MP7	X	89	%18.75
6	MP7	X	89	%81.25
7	MP1	Z	92.8	%18.75
8	MP1	Z	92.8	%81.25
9	MP4	Z	133.7	%18.75
10	MP4	Z	133.7	%81.25
11	MP7	Z	154.1	%18.75
12	MP7	Z	154.1	%81.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	0
2	MP1	X	0	0
3	MP4	X	0	0
4	MP4	X	0	0
5	MP7	X	0	0
6	MP7	X	0	0
7	MP1	Z	83.6	%18.75
8	MP1	Z	83.6	%81.25
9	MP4	Z	178	%18.75
10	MP4	Z	178	%81.25
11	MP7	Z	154.4	%18.75
12	MP7	Z	154.4	%81.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-53.6	%18.75
2	MP1	X	-53.6	%81.25
3	MP4	X	-77.2	%18.75

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
4	MP4	X	-77.2	%81.25
5	MP7	X	-53.6	%18.75
6	MP7	X	-53.6	%81.25
7	MP1	Z	92.8	%18.75
8	MP1	Z	92.8	%81.25
9	MP4	Z	133.7	%18.75
10	MP4	Z	133.7	%81.25
11	MP7	Z	92.8	%18.75
12	MP7	Z	92.8	%81.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-133.7	%18.75
2	MP1	X	-133.7	%81.25
3	MP4	X	-92.8	%18.75
4	MP4	X	-92.8	%81.25
5	MP7	X	-72.4	%18.75
6	MP7	X	-72.4	%81.25
7	MP1	Z	77.2	%18.75
8	MP1	Z	77.2	%81.25
9	MP4	Z	53.6	%18.75
10	MP4	Z	53.6	%81.25
11	MP7	Z	41.8	%18.75
12	MP7	Z	41.8	%81.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-178	%18.75
2	MP1	X	-178	%81.25
3	MP4	X	-83.6	%18.75
4	MP4	X	-83.6	%81.25
5	MP7	X	-107.2	%18.75
6	MP7	X	-107.2	%81.25
7	MP1	Z	0	0
8	MP1	Z	0	0
9	MP4	Z	0	0
10	MP4	Z	0	0
11	MP7	Z	0	0
12	MP7	Z	0	0

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-133.7	%18.75
2	MP1	X	-133.7	%81.25
3	MP4	X	-92.8	%18.75
4	MP4	X	-92.8	%81.25
5	MP7	X	-133.7	%18.75
6	MP7	X	-133.7	%81.25
7	MP1	Z	-77.2	%18.75
8	MP1	Z	-77.2	%81.25
9	MP4	Z	-53.6	%18.75
10	MP4	Z	-53.6	%81.25
11	MP7	Z	-77.2	%18.75
12	MP7	Z	-77.2	%81.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-53.6	%18.75
2	MP1	X	-53.6	%81.25
3	MP4	X	-77.2	%18.75
4	MP4	X	-77.2	%81.25
5	MP7	X	-89	%18.75

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
6	MP7	X	-89	%81.25
7	MP1	Z	-92.8	%18.75
8	MP1	Z	-92.8	%81.25
9	MP4	Z	-133.7	%18.75
10	MP4	Z	-133.7	%81.25
11	MP7	Z	-154.1	%18.75
12	MP7	Z	-154.1	%81.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	0
2	MP1	X	0	0
3	MP4	X	0	0
4	MP4	X	0	0
5	MP7	X	0	0
6	MP7	X	0	0
7	MP1	Z	-83.6	%18.75
8	MP1	Z	-83.6	%81.25
9	MP4	Z	-178	%18.75
10	MP4	Z	-178	%81.25
11	MP7	Z	-154.4	%18.75
12	MP7	Z	-154.4	%81.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	53.6	%18.75
2	MP1	X	53.6	%81.25
3	MP4	X	77.2	%18.75
4	MP4	X	77.2	%81.25
5	MP7	X	53.6	%18.75
6	MP7	X	53.6	%81.25
7	MP1	Z	-92.8	%18.75
8	MP1	Z	-92.8	%81.25
9	MP4	Z	-133.7	%18.75
10	MP4	Z	-133.7	%81.25
11	MP7	Z	-92.8	%18.75
12	MP7	Z	-92.8	%81.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	133.7	%18.75
2	MP1	X	133.7	%81.25
3	MP4	X	92.8	%18.75
4	MP4	X	92.8	%81.25
5	MP7	X	72.4	%18.75
6	MP7	X	72.4	%81.25
7	MP1	Z	-77.2	%18.75
8	MP1	Z	-77.2	%81.25
9	MP4	Z	-53.6	%18.75
10	MP4	Z	-53.6	%81.25
11	MP7	Z	-41.8	%18.75
12	MP7	Z	-41.8	%81.25

Member Point Loads (BLC 188 : Antenna Ice Load)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	Y	-90.4	%18.75
2	MP1	Y	-90.4	%81.25
3	MP4	Y	-90.4	%18.75
4	MP4	Y	-90.4	%81.25
5	MP7	Y	-90.4	%18.75
6	MP7	Y	-90.4	%81.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	33.2	%18.75
2	MP1	X	33.2	%81.25
3	MP4	X	16.7	%18.75
4	MP4	X	16.7	%81.25
5	MP7	X	20.8	%18.75
6	MP7	X	20.8	%81.25
7	MP1	Z	0	0
8	MP1	Z	0	0
9	MP4	Z	0	0
10	MP4	Z	0	0
11	MP7	Z	0	0
12	MP7	Z	0	0

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	25.2	%18.75
2	MP1	X	25.2	%81.25
3	MP4	X	18	%18.75
4	MP4	X	18	%81.25
5	MP7	X	25.2	%18.75
6	MP7	X	25.2	%81.25
7	MP1	Z	14.5	%18.75
8	MP1	Z	14.5	%81.25
9	MP4	Z	10.4	%18.75
10	MP4	Z	10.4	%81.25
11	MP7	Z	14.5	%18.75
12	MP7	Z	14.5	%81.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	10.4	%18.75
2	MP1	X	10.4	%81.25
3	MP4	X	14.5	%18.75
4	MP4	X	14.5	%81.25
5	MP7	X	16.6	%18.75
6	MP7	X	16.6	%81.25
7	MP1	Z	18	%18.75
8	MP1	Z	18	%81.25
9	MP4	Z	25.2	%18.75
10	MP4	Z	25.2	%81.25
11	MP7	Z	28.7	%18.75
12	MP7	Z	28.7	%81.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	0
2	MP1	X	0	0
3	MP4	X	0	0
4	MP4	X	0	0
5	MP7	X	0	0
6	MP7	X	0	0
7	MP1	Z	16.7	%18.75
8	MP1	Z	16.7	%81.25
9	MP4	Z	33.2	%18.75
10	MP4	Z	33.2	%81.25
11	MP7	Z	29	%18.75
12	MP7	Z	29	%81.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-10.4	%18.75
2	MP1	X	-10.4	%81.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
3	MP4	X	-14.5	%18.75
4	MP4	X	-14.5	%81.25
5	MP7	X	-10.4	%18.75
6	MP7	X	-10.4	%81.25
7	MP1	Z	18	%18.75
8	MP1	Z	18	%81.25
9	MP4	Z	25.2	%18.75
10	MP4	Z	25.2	%81.25
11	MP7	Z	18	%18.75
12	MP7	Z	18	%81.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-25.2	%18.75
2	MP1	X	-25.2	%81.25
3	MP4	X	-18	%18.75
4	MP4	X	-18	%81.25
5	MP7	X	-14.5	%18.75
6	MP7	X	-14.5	%81.25
7	MP1	Z	14.5	%18.75
8	MP1	Z	14.5	%81.25
9	MP4	Z	10.4	%18.75
10	MP4	Z	10.4	%81.25
11	MP7	Z	8.4	%18.75
12	MP7	Z	8.4	%81.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-33.2	%18.75
2	MP1	X	-33.2	%81.25
3	MP4	X	-16.7	%18.75
4	MP4	X	-16.7	%81.25
5	MP7	X	-20.8	%18.75
6	MP7	X	-20.8	%81.25
7	MP1	Z	0	0
8	MP1	Z	0	0
9	MP4	Z	0	0
10	MP4	Z	0	0
11	MP7	Z	0	0
12	MP7	Z	0	0

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-25.2	%18.75
2	MP1	X	-25.2	%81.25
3	MP4	X	-18	%18.75
4	MP4	X	-18	%81.25
5	MP7	X	-25.2	%18.75
6	MP7	X	-25.2	%81.25
7	MP1	Z	-14.5	%18.75
8	MP1	Z	-14.5	%81.25
9	MP4	Z	-10.4	%18.75
10	MP4	Z	-10.4	%81.25
11	MP7	Z	-14.5	%18.75
12	MP7	Z	-14.5	%81.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-10.4	%18.75
2	MP1	X	-10.4	%81.25
3	MP4	X	-14.5	%18.75
4	MP4	X	-14.5	%81.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
5	MP7	X	-16.6	%18.75
6	MP7	X	-16.6	%81.25
7	MP1	Z	-18	%18.75
8	MP1	Z	-18	%81.25
9	MP4	Z	-25.2	%18.75
10	MP4	Z	-25.2	%81.25
11	MP7	Z	-28.7	%18.75
12	MP7	Z	-28.7	%81.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	0
2	MP1	X	0	0
3	MP4	X	0	0
4	MP4	X	0	0
5	MP7	X	0	0
6	MP7	X	0	0
7	MP1	Z	-16.7	%18.75
8	MP1	Z	-16.7	%81.25
9	MP4	Z	-33.2	%18.75
10	MP4	Z	-33.2	%81.25
11	MP7	Z	-29	%18.75
12	MP7	Z	-29	%81.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	10.4	%18.75
2	MP1	X	10.4	%81.25
3	MP4	X	14.5	%18.75
4	MP4	X	14.5	%81.25
5	MP7	X	10.4	%18.75
6	MP7	X	10.4	%81.25
7	MP1	Z	-18	%18.75
8	MP1	Z	-18	%81.25
9	MP4	Z	-25.2	%18.75
10	MP4	Z	-25.2	%81.25
11	MP7	Z	-18	%18.75
12	MP7	Z	-18	%81.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	25.2	%18.75
2	MP1	X	25.2	%81.25
3	MP4	X	18	%18.75
4	MP4	X	18	%81.25
5	MP7	X	14.5	%18.75
6	MP7	X	14.5	%81.25
7	MP1	Z	-14.5	%18.75
8	MP1	Z	-14.5	%81.25
9	MP4	Z	-10.4	%18.75
10	MP4	Z	-10.4	%81.25
11	MP7	Z	-8.4	%18.75
12	MP7	Z	-8.4	%81.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	32.2	%18.75
2	MP1	X	32.2	%81.25
3	MP4	X	32.2	%18.75
4	MP4	X	32.2	%81.25
5	MP7	X	32.2	%18.75
6	MP7	X	32.2	%81.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
7	MP1	Z	0	0
8	MP1	Z	0	0
9	MP4	Z	0	0
10	MP4	Z	0	0
11	MP7	Z	0	0
12	MP7	Z	0	0

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	27.9	%18.75
2	MP1	X	27.9	%81.25
3	MP4	X	27.9	%18.75
4	MP4	X	27.9	%81.25
5	MP7	X	27.9	%18.75
6	MP7	X	27.9	%81.25
7	MP1	Z	16.1	%18.75
8	MP1	Z	16.1	%81.25
9	MP4	Z	16.1	%18.75
10	MP4	Z	16.1	%81.25
11	MP7	Z	16.1	%18.75
12	MP7	Z	16.1	%81.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	16.1	%18.75
2	MP1	X	16.1	%81.25
3	MP4	X	16.1	%18.75
4	MP4	X	16.1	%81.25
5	MP7	X	16.1	%18.75
6	MP7	X	16.1	%81.25
7	MP1	Z	27.9	%18.75
8	MP1	Z	27.9	%81.25
9	MP4	Z	27.9	%18.75
10	MP4	Z	27.9	%81.25
11	MP7	Z	27.9	%18.75
12	MP7	Z	27.9	%81.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	0
2	MP1	X	0	0
3	MP4	X	0	0
4	MP4	X	0	0
5	MP7	X	0	0
6	MP7	X	0	0
7	MP1	Z	32.2	%18.75
8	MP1	Z	32.2	%81.25
9	MP4	Z	32.2	%18.75
10	MP4	Z	32.2	%81.25
11	MP7	Z	32.2	%18.75
12	MP7	Z	32.2	%81.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-16.1	%18.75
2	MP1	X	-16.1	%81.25
3	MP4	X	-16.1	%18.75
4	MP4	X	-16.1	%81.25
5	MP7	X	-16.1	%18.75
6	MP7	X	-16.1	%81.25
7	MP1	Z	27.9	%18.75
8	MP1	Z	27.9	%81.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
9	MP4	Z	27.9	%18.75
10	MP4	Z	27.9	%81.25
11	MP7	Z	27.9	%18.75
12	MP7	Z	27.9	%81.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-27.9	%18.75
2	MP1	X	-27.9	%81.25
3	MP4	X	-27.9	%18.75
4	MP4	X	-27.9	%81.25
5	MP7	X	-27.9	%18.75
6	MP7	X	-27.9	%81.25
7	MP1	Z	16.1	%18.75
8	MP1	Z	16.1	%81.25
9	MP4	Z	16.1	%18.75
10	MP4	Z	16.1	%81.25
11	MP7	Z	16.1	%18.75
12	MP7	Z	16.1	%81.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-32.2	%18.75
2	MP1	X	-32.2	%81.25
3	MP4	X	-32.2	%18.75
4	MP4	X	-32.2	%81.25
5	MP7	X	-32.2	%18.75
6	MP7	X	-32.2	%81.25
7	MP1	Z	0	0
8	MP1	Z	0	0
9	MP4	Z	0	0
10	MP4	Z	0	0
11	MP7	Z	0	0
12	MP7	Z	0	0

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-27.9	%18.75
2	MP1	X	-27.9	%81.25
3	MP4	X	-27.9	%18.75
4	MP4	X	-27.9	%81.25
5	MP7	X	-27.9	%18.75
6	MP7	X	-27.9	%81.25
7	MP1	Z	-16.1	%18.75
8	MP1	Z	-16.1	%81.25
9	MP4	Z	-16.1	%18.75
10	MP4	Z	-16.1	%81.25
11	MP7	Z	-16.1	%18.75
12	MP7	Z	-16.1	%81.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-16.1	%18.75
2	MP1	X	-16.1	%81.25
3	MP4	X	-16.1	%18.75
4	MP4	X	-16.1	%81.25
5	MP7	X	-16.1	%18.75
6	MP7	X	-16.1	%81.25
7	MP1	Z	-27.9	%18.75
8	MP1	Z	-27.9	%81.25
9	MP4	Z	-27.9	%18.75
10	MP4	Z	-27.9	%81.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
11	MP7	Z	-27.9	%18.75
12	MP7	Z	-27.9	%81.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	0
2	MP1	X	0	0
3	MP4	X	0	0
4	MP4	X	0	0
5	MP7	X	0	0
6	MP7	X	0	0
7	MP1	Z	-32.2	%18.75
8	MP1	Z	-32.2	%81.25
9	MP4	Z	-32.2	%18.75
10	MP4	Z	-32.2	%81.25
11	MP7	Z	-32.2	%18.75
12	MP7	Z	-32.2	%81.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	16.1	%18.75
2	MP1	X	16.1	%81.25
3	MP4	X	16.1	%18.75
4	MP4	X	16.1	%81.25
5	MP7	X	16.1	%18.75
6	MP7	X	16.1	%81.25
7	MP1	Z	-27.9	%18.75
8	MP1	Z	-27.9	%81.25
9	MP4	Z	-27.9	%18.75
10	MP4	Z	-27.9	%81.25
11	MP7	Z	-27.9	%18.75
12	MP7	Z	-27.9	%81.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	27.9	%18.75
2	MP1	X	27.9	%81.25
3	MP4	X	27.9	%18.75
4	MP4	X	27.9	%81.25
5	MP7	X	27.9	%18.75
6	MP7	X	27.9	%81.25
7	MP1	Z	-16.1	%18.75
8	MP1	Z	-16.1	%81.25
9	MP4	Z	-16.1	%18.75
10	MP4	Z	-16.1	%81.25
11	MP7	Z	-16.1	%18.75
12	MP7	Z	-16.1	%81.25

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1-1A	X	7	7	0	0
2	BRACE-1-1B	X	7	7	0	0
3	BRACE-1-2A	X	6.4	6.4	0	0
4	BRACE-1-2B	X	6.4	6.4	0	0
5	BRACE-2-1A	X	7	7	0	0
6	BRACE-2-1B	X	7	7	0	0
7	BRACE-2-2A	X	6.4	6.4	0	0
8	BRACE-2-2B	X	6.4	6.4	0	0
9	BRACE-3-1A	X	13.9	13.9	0	0
10	BRACE-3-1B	X	13.9	13.9	0	0
11	BRACE-3-2A	X	12.9	12.9	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
12	BRACE-3-2B	X	12.9	12.9	0	0
13	FM-0	X	10	10	0	0
14	FM-120	X	5	5	0	0
15	FM-240	X	5	5	0	0
16	HR-0	X	8.2	8.2	0	0
17	HR-120	X	4.1	4.1	0	0
18	HR-240	X	4.1	4.1	0	0
19	HR-BRACE-1	X	5.5	5.5	0	0
20	HR-BRACE-2	X	5.5	5.5	0	0
21	HR-BRACE-3	X	11	11	0	0
22	SA-1	X	8.4	8.4	0	0
23	SA-2	X	8.4	8.4	0	0
24	SA-3	X	0	0	0	0
25	PL1	X	17.1	17.1	0	0
26	PL2	X	14.6	14.6	0	0
27	PL3	X	17.1	17.1	0	0
28	PL4	X	14.6	14.6	0	0
29	PL5	X	17.1	17.1	0	0
30	PL6	X	14.6	14.6	0	0
31	PL7	X	17.1	17.1	0	0
32	PL8	X	14.6	14.6	0	0
33	PL9	X	17.1	17.1	0	0
34	PL10	X	14.6	14.6	0	0
35	PL11	X	17.1	17.1	0	0
36	PL12	X	14.6	14.6	0	0
37	PL13	X	8.6	8.6	0	0
38	PL14	X	15	15	0	0
39	PL15	X	8.6	8.6	0	0
40	PL16	X	15	15	0	0
41	PL17	X	8.6	8.6	0	0
42	PL18	X	15	15	0	0
43	PL19	X	8.6	8.6	0	0
44	PL20	X	.4	.4	0	0
45	PL21	X	8.6	8.6	0	0
46	PL22	X	.4	.4	0	0
47	PL23	X	8.6	8.6	0	0
48	PL24	X	.4	.4	0	0
49	PL25	X	8.6	8.6	0	0
50	PL26	X	.4	.4	0	0
51	PL27	X	8.6	8.6	0	0
52	PL28	X	.4	.4	0	0
53	PL29	X	8.6	8.6	0	0
54	PL30	X	.4	.4	0	0
55	PL31	X	8.6	8.6	0	0
56	PL32	X	15	15	0	0
57	PL33	X	8.6	8.6	0	0
58	PL34	X	15	15	0	0
59	PL35	X	8.6	8.6	0	0
60	PL36	X	15	15	0	0
61	BRACE-1-1A	Z	0	0	0	0
62	BRACE-1-1B	Z	0	0	0	0
63	BRACE-1-2A	Z	0	0	0	0
64	BRACE-1-2B	Z	0	0	0	0
65	BRACE-2-1A	Z	0	0	0	0
66	BRACE-2-1B	Z	0	0	0	0
67	BRACE-2-2A	Z	0	0	0	0
68	BRACE-2-2B	Z	0	0	0	0
69	BRACE-3-1A	Z	0	0	0	0
70	BRACE-3-1B	Z	0	0	0	0
71	BRACE-3-2A	Z	0	0	0	0
72	BRACE-3-2B	Z	0	0	0	0
73	FM-0	Z	0	0	0	0
74	FM-120	Z	0	0	0	0
75	FM-240	Z	0	0	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
76	HR-0	Z	0	0	0	0
77	HR-120	Z	0	0	0	0
78	HR-240	Z	0	0	0	0
79	HR-BRACE-1	Z	0	0	0	0
80	HR-BRACE-2	Z	0	0	0	0
81	HR-BRACE-3	Z	0	0	0	0
82	SA-1	Z	0	0	0	0
83	SA-2	Z	0	0	0	0
84	SA-3	Z	0	0	0	0
85	PL1	Z	0	0	0	0
86	PL2	Z	0	0	0	0
87	PL3	Z	0	0	0	0
88	PL4	Z	0	0	0	0
89	PL5	Z	0	0	0	0
90	PL6	Z	0	0	0	0
91	PL7	Z	0	0	0	0
92	PL8	Z	0	0	0	0
93	PL9	Z	0	0	0	0
94	PL10	Z	0	0	0	0
95	PL11	Z	0	0	0	0
96	PL12	Z	0	0	0	0
97	PL13	Z	0	0	0	0
98	PL14	Z	0	0	0	0
99	PL15	Z	0	0	0	0
100	PL16	Z	0	0	0	0
101	PL17	Z	0	0	0	0
102	PL18	Z	0	0	0	0
103	PL19	Z	0	0	0	0
104	PL20	Z	0	0	0	0
105	PL21	Z	0	0	0	0
106	PL22	Z	0	0	0	0
107	PL23	Z	0	0	0	0
108	PL24	Z	0	0	0	0
109	PL25	Z	0	0	0	0
110	PL26	Z	0	0	0	0
111	PL27	Z	0	0	0	0
112	PL28	Z	0	0	0	0
113	PL29	Z	0	0	0	0
114	PL30	Z	0	0	0	0
115	PL31	Z	0	0	0	0
116	PL32	Z	0	0	0	0
117	PL33	Z	0	0	0	0
118	PL34	Z	0	0	0	0
119	PL35	Z	0	0	0	0
120	PL36	Z	0	0	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1-1A	X	0	0	0	0
2	BRACE-1-1B	X	0	0	0	0
3	BRACE-1-2A	X	0	0	0	0
4	BRACE-1-2B	X	0	0	0	0
5	BRACE-2-1A	X	10.4	10.4	0	0
6	BRACE-2-1B	X	10.4	10.4	0	0
7	BRACE-2-2A	X	9.7	9.7	0	0
8	BRACE-2-2B	X	9.7	9.7	0	0
9	BRACE-3-1A	X	10.4	10.4	0	0
10	BRACE-3-1B	X	10.4	10.4	0	0
11	BRACE-3-2A	X	9.7	9.7	0	0
12	BRACE-3-2B	X	9.7	9.7	0	0
13	FM-0	X	7.5	7.5	0	0
14	FM-120	X	0	0	0	0
15	FM-240	X	7.5	7.5	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
16	HR-0	X	6.2	6.2	0	0
17	HR-120	X	0	0	0	0
18	HR-240	X	6.2	6.2	0	0
19	HR-BRACE-1	X	0	0	0	0
20	HR-BRACE-2	X	8.3	8.3	0	0
21	HR-BRACE-3	X	8.3	8.3	0	0
22	SA-1	X	8.4	8.4	0	0
23	SA-2	X	4.2	4.2	0	0
24	SA-3	X	4.2	4.2	0	0
25	PL1	X	12.8	12.8	0	0
26	PL2	X	14.8	14.8	0	0
27	PL3	X	12.8	12.8	0	0
28	PL4	X	14.8	14.8	0	0
29	PL5	X	12.8	12.8	0	0
30	PL6	X	14.8	14.8	0	0
31	PL7	X	12.8	12.8	0	0
32	PL8	X	7.1	7.1	0	0
33	PL9	X	12.8	12.8	0	0
34	PL10	X	7.1	7.1	0	0
35	PL11	X	12.8	12.8	0	0
36	PL12	X	7.1	7.1	0	0
37	PL13	X	0	0	0	0
38	PL14	X	7.7	7.7	0	0
39	PL15	X	0	0	0	0
40	PL16	X	7.7	7.7	0	0
41	PL17	X	0	0	0	0
42	PL18	X	7.7	7.7	0	0
43	PL19	X	0	0	0	0
44	PL20	X	7.7	7.7	0	0
45	PL21	X	0	0	0	0
46	PL22	X	7.7	7.7	0	0
47	PL23	X	0	0	0	0
48	PL24	X	7.7	7.7	0	0
49	PL25	X	12.8	12.8	0	0
50	PL26	X	7.1	7.1	0	0
51	PL27	X	12.8	12.8	0	0
52	PL28	X	7.1	7.1	0	0
53	PL29	X	12.8	12.8	0	0
54	PL30	X	7.1	7.1	0	0
55	PL31	X	12.8	12.8	0	0
56	PL32	X	14.8	14.8	0	0
57	PL33	X	12.8	12.8	0	0
58	PL34	X	14.8	14.8	0	0
59	PL35	X	12.8	12.8	0	0
60	PL36	X	14.8	14.8	0	0
61	BRACE-1-1A	Z	0	0	0	0
62	BRACE-1-1B	Z	0	0	0	0
63	BRACE-1-2A	Z	0	0	0	0
64	BRACE-1-2B	Z	0	0	0	0
65	BRACE-2-1A	Z	6	6	0	0
66	BRACE-2-1B	Z	6	6	0	0
67	BRACE-2-2A	Z	5.6	5.6	0	0
68	BRACE-2-2B	Z	5.6	5.6	0	0
69	BRACE-3-1A	Z	6	6	0	0
70	BRACE-3-1B	Z	6	6	0	0
71	BRACE-3-2A	Z	5.6	5.6	0	0
72	BRACE-3-2B	Z	5.6	5.6	0	0
73	FM-0	Z	4.3	4.3	0	0
74	FM-120	Z	0	0	0	0
75	FM-240	Z	4.3	4.3	0	0
76	HR-0	Z	3.6	3.6	0	0
77	HR-120	Z	0	0	0	0
78	HR-240	Z	3.6	3.6	0	0
79	HR-BRACE-1	Z	0	0	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
80	HR-BRACE-2	Z	4.8	4.8	0	0
81	HR-BRACE-3	Z	4.8	4.8	0	0
82	SA-1	Z	4.9	4.9	0	0
83	SA-2	Z	2.4	2.4	0	0
84	SA-3	Z	2.4	2.4	0	0
85	PL1	Z	7.4	7.4	0	0
86	PL2	Z	8.5	8.5	0	0
87	PL3	Z	7.4	7.4	0	0
88	PL4	Z	8.5	8.5	0	0
89	PL5	Z	7.4	7.4	0	0
90	PL6	Z	8.5	8.5	0	0
91	PL7	Z	7.4	7.4	0	0
92	PL8	Z	4.1	4.1	0	0
93	PL9	Z	7.4	7.4	0	0
94	PL10	Z	4.1	4.1	0	0
95	PL11	Z	7.4	7.4	0	0
96	PL12	Z	4.1	4.1	0	0
97	PL13	Z	0	0	0	0
98	PL14	Z	4.5	4.5	0	0
99	PL15	Z	0	0	0	0
100	PL16	Z	4.5	4.5	0	0
101	PL17	Z	0	0	0	0
102	PL18	Z	4.5	4.5	0	0
103	PL19	Z	0	0	0	0
104	PL20	Z	4.5	4.5	0	0
105	PL21	Z	0	0	0	0
106	PL22	Z	4.5	4.5	0	0
107	PL23	Z	0	0	0	0
108	PL24	Z	4.5	4.5	0	0
109	PL25	Z	7.4	7.4	0	0
110	PL26	Z	4.1	4.1	0	0
111	PL27	Z	7.4	7.4	0	0
112	PL28	Z	4.1	4.1	0	0
113	PL29	Z	7.4	7.4	0	0
114	PL30	Z	4.1	4.1	0	0
115	PL31	Z	7.4	7.4	0	0
116	PL32	Z	8.5	8.5	0	0
117	PL33	Z	7.4	7.4	0	0
118	PL34	Z	8.5	8.5	0	0
119	PL35	Z	7.4	7.4	0	0
120	PL36	Z	8.5	8.5	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1-1A	X	3.5	3.5	0	0
2	BRACE-1-1B	X	3.5	3.5	0	0
3	BRACE-1-2A	X	3.2	3.2	0	0
4	BRACE-1-2B	X	3.2	3.2	0	0
5	BRACE-2-1A	X	7	7	0	0
6	BRACE-2-1B	X	7	7	0	0
7	BRACE-2-2A	X	6.4	6.4	0	0
8	BRACE-2-2B	X	6.4	6.4	0	0
9	BRACE-3-1A	X	3.5	3.5	0	0
10	BRACE-3-1B	X	3.5	3.5	0	0
11	BRACE-3-2A	X	3.2	3.2	0	0
12	BRACE-3-2B	X	3.2	3.2	0	0
13	FM-0	X	2.5	2.5	0	0
14	FM-120	X	2.5	2.5	0	0
15	FM-240	X	5	5	0	0
16	HR-0	X	2.1	2.1	0	0
17	HR-120	X	2.1	2.1	0	0
18	HR-240	X	4.1	4.1	0	0
19	HR-BRACE-1	X	2.8	2.8	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
20	HR-BRACE-2	X	5.5	5.5	0	0
21	HR-BRACE-3	X	2.8	2.8	0	0
22	SA-1	X	4.2	4.2	0	0
23	SA-2	X	0	0	0	0
24	SA-3	X	4.2	4.2	0	0
25	PL1	X	4.3	4.3	0	0
26	PL2	X	7.5	7.5	0	0
27	PL3	X	4.3	4.3	0	0
28	PL4	X	7.5	7.5	0	0
29	PL5	X	4.3	4.3	0	0
30	PL6	X	7.5	7.5	0	0
31	PL7	X	4.3	4.3	0	0
32	PL8	X	.2	.2	0	0
33	PL9	X	4.3	4.3	0	0
34	PL10	X	.2	.2	0	0
35	PL11	X	4.3	4.3	0	0
36	PL12	X	.2	.2	0	0
37	PL13	X	4.3	4.3	0	0
38	PL14	X	.2	.2	0	0
39	PL15	X	4.3	4.3	0	0
40	PL16	X	.2	.2	0	0
41	PL17	X	4.3	4.3	0	0
42	PL18	X	.2	.2	0	0
43	PL19	X	4.3	4.3	0	0
44	PL20	X	7.5	7.5	0	0
45	PL21	X	4.3	4.3	0	0
46	PL22	X	7.5	7.5	0	0
47	PL23	X	4.3	4.3	0	0
48	PL24	X	7.5	7.5	0	0
49	PL25	X	8.6	8.6	0	0
50	PL26	X	7.3	7.3	0	0
51	PL27	X	8.6	8.6	0	0
52	PL28	X	7.3	7.3	0	0
53	PL29	X	8.6	8.6	0	0
54	PL30	X	7.3	7.3	0	0
55	PL31	X	8.6	8.6	0	0
56	PL32	X	7.3	7.3	0	0
57	PL33	X	8.6	8.6	0	0
58	PL34	X	7.3	7.3	0	0
59	PL35	X	8.6	8.6	0	0
60	PL36	X	7.3	7.3	0	0
61	BRACE-1-1A	Z	6	6	0	0
62	BRACE-1-1B	Z	6	6	0	0
63	BRACE-1-2A	Z	5.6	5.6	0	0
64	BRACE-1-2B	Z	5.6	5.6	0	0
65	BRACE-2-1A	Z	12.1	12.1	0	0
66	BRACE-2-1B	Z	12.1	12.1	0	0
67	BRACE-2-2A	Z	11.2	11.2	0	0
68	BRACE-2-2B	Z	11.2	11.2	0	0
69	BRACE-3-1A	Z	6	6	0	0
70	BRACE-3-1B	Z	6	6	0	0
71	BRACE-3-2A	Z	5.6	5.6	0	0
72	BRACE-3-2B	Z	5.6	5.6	0	0
73	FM-0	Z	4.3	4.3	0	0
74	FM-120	Z	4.3	4.3	0	0
75	FM-240	Z	8.6	8.6	0	0
76	HR-0	Z	3.6	3.6	0	0
77	HR-120	Z	3.6	3.6	0	0
78	HR-240	Z	7.1	7.1	0	0
79	HR-BRACE-1	Z	4.8	4.8	0	0
80	HR-BRACE-2	Z	9.6	9.6	0	0
81	HR-BRACE-3	Z	4.8	4.8	0	0
82	SA-1	Z	7.3	7.3	0	0
83	SA-2	Z	0	0	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
84	SA-3	Z	7.3	7.3	0	0
85	PL1	Z	7.4	7.4	0	0
86	PL2	Z	13	13	0	0
87	PL3	Z	7.4	7.4	0	0
88	PL4	Z	13	13	0	0
89	PL5	Z	7.4	7.4	0	0
90	PL6	Z	13	13	0	0
91	PL7	Z	7.4	7.4	0	0
92	PL8	Z	.4	.4	0	0
93	PL9	Z	7.4	7.4	0	0
94	PL10	Z	.4	.4	0	0
95	PL11	Z	7.4	7.4	0	0
96	PL12	Z	.4	.4	0	0
97	PL13	Z	7.4	7.4	0	0
98	PL14	Z	.4	.4	0	0
99	PL15	Z	7.4	7.4	0	0
100	PL16	Z	.4	.4	0	0
101	PL17	Z	7.4	7.4	0	0
102	PL18	Z	.4	.4	0	0
103	PL19	Z	7.4	7.4	0	0
104	PL20	Z	13	13	0	0
105	PL21	Z	7.4	7.4	0	0
106	PL22	Z	13	13	0	0
107	PL23	Z	7.4	7.4	0	0
108	PL24	Z	13	13	0	0
109	PL25	Z	14.8	14.8	0	0
110	PL26	Z	12.6	12.6	0	0
111	PL27	Z	14.8	14.8	0	0
112	PL28	Z	12.6	12.6	0	0
113	PL29	Z	14.8	14.8	0	0
114	PL30	Z	12.6	12.6	0	0
115	PL31	Z	14.8	14.8	0	0
116	PL32	Z	12.6	12.6	0	0
117	PL33	Z	14.8	14.8	0	0
118	PL34	Z	12.6	12.6	0	0
119	PL35	Z	14.8	14.8	0	0
120	PL36	Z	12.6	12.6	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1-1A	X	0	0	0	0
2	BRACE-1-1B	X	0	0	0	0
3	BRACE-1-2A	X	0	0	0	0
4	BRACE-1-2B	X	0	0	0	0
5	BRACE-2-1A	X	0	0	0	0
6	BRACE-2-1B	X	0	0	0	0
7	BRACE-2-2A	X	0	0	0	0
8	BRACE-2-2B	X	0	0	0	0
9	BRACE-3-1A	X	0	0	0	0
10	BRACE-3-1B	X	0	0	0	0
11	BRACE-3-2A	X	0	0	0	0
12	BRACE-3-2B	X	0	0	0	0
13	FM-0	X	0	0	0	0
14	FM-120	X	0	0	0	0
15	FM-240	X	0	0	0	0
16	HR-0	X	0	0	0	0
17	HR-120	X	0	0	0	0
18	HR-240	X	0	0	0	0
19	HR-BRACE-1	X	0	0	0	0
20	HR-BRACE-2	X	0	0	0	0
21	HR-BRACE-3	X	0	0	0	0
22	SA-1	X	0	0	0	0
23	SA-2	X	0	0	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
24	SA-3	X	0	0	0	0
25	PL1	X	0	0	0	0
26	PL2	X	0	0	0	0
27	PL3	X	0	0	0	0
28	PL4	X	0	0	0	0
29	PL5	X	0	0	0	0
30	PL6	X	0	0	0	0
31	PL7	X	0	0	0	0
32	PL8	X	0	0	0	0
33	PL9	X	0	0	0	0
34	PL10	X	0	0	0	0
35	PL11	X	0	0	0	0
36	PL12	X	0	0	0	0
37	PL13	X	0	0	0	0
38	PL14	X	0	0	0	0
39	PL15	X	0	0	0	0
40	PL16	X	0	0	0	0
41	PL17	X	0	0	0	0
42	PL18	X	0	0	0	0
43	PL19	X	0	0	0	0
44	PL20	X	0	0	0	0
45	PL21	X	0	0	0	0
46	PL22	X	0	0	0	0
47	PL23	X	0	0	0	0
48	PL24	X	0	0	0	0
49	PL25	X	0	0	0	0
50	PL26	X	0	0	0	0
51	PL27	X	0	0	0	0
52	PL28	X	0	0	0	0
53	PL29	X	0	0	0	0
54	PL30	X	0	0	0	0
55	PL31	X	0	0	0	0
56	PL32	X	0	0	0	0
57	PL33	X	0	0	0	0
58	PL34	X	0	0	0	0
59	PL35	X	0	0	0	0
60	PL36	X	0	0	0	0
61	BRACE-1-1A	Z	12.1	12.1	0	0
62	BRACE-1-1B	Z	12.1	12.1	0	0
63	BRACE-1-2A	Z	11.2	11.2	0	0
64	BRACE-1-2B	Z	11.2	11.2	0	0
65	BRACE-2-1A	Z	12.1	12.1	0	0
66	BRACE-2-1B	Z	12.1	12.1	0	0
67	BRACE-2-2A	Z	11.2	11.2	0	0
68	BRACE-2-2B	Z	11.2	11.2	0	0
69	BRACE-3-1A	Z	0	0	0	0
70	BRACE-3-1B	Z	0	0	0	0
71	BRACE-3-2A	Z	0	0	0	0
72	BRACE-3-2B	Z	0	0	0	0
73	FM-0	Z	0	0	0	0
74	FM-120	Z	8.6	8.6	0	0
75	FM-240	Z	8.6	8.6	0	0
76	HR-0	Z	0	0	0	0
77	HR-120	Z	7.1	7.1	0	0
78	HR-240	Z	7.1	7.1	0	0
79	HR-BRACE-1	Z	9.6	9.6	0	0
80	HR-BRACE-2	Z	9.6	9.6	0	0
81	HR-BRACE-3	Z	0	0	0	0
82	SA-1	Z	4.9	4.9	0	0
83	SA-2	Z	4.9	4.9	0	0
84	SA-3	Z	9.7	9.7	0	0
85	PL1	Z	0	0	0	0
86	PL2	Z	8.9	8.9	0	0
87	PL3	Z	0	0	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
88	PL4	Z	8.9	8.9	0	0
89	PL5	Z	0	0	0	0
90	PL6	Z	8.9	8.9	0	0
91	PL7	Z	0	0	0	0
92	PL8	Z	8.9	8.9	0	0
93	PL9	Z	0	0	0	0
94	PL10	Z	8.9	8.9	0	0
95	PL11	Z	0	0	0	0
96	PL12	Z	8.9	8.9	0	0
97	PL13	Z	14.8	14.8	0	0
98	PL14	Z	8.2	8.2	0	0
99	PL15	Z	14.8	14.8	0	0
100	PL16	Z	8.2	8.2	0	0
101	PL17	Z	14.8	14.8	0	0
102	PL18	Z	8.2	8.2	0	0
103	PL19	Z	14.8	14.8	0	0
104	PL20	Z	17.1	17.1	0	0
105	PL21	Z	14.8	14.8	0	0
106	PL22	Z	17.1	17.1	0	0
107	PL23	Z	14.8	14.8	0	0
108	PL24	Z	17.1	17.1	0	0
109	PL25	Z	14.8	14.8	0	0
110	PL26	Z	17.1	17.1	0	0
111	PL27	Z	14.8	14.8	0	0
112	PL28	Z	17.1	17.1	0	0
113	PL29	Z	14.8	14.8	0	0
114	PL30	Z	17.1	17.1	0	0
115	PL31	Z	14.8	14.8	0	0
116	PL32	Z	8.2	8.2	0	0
117	PL33	Z	14.8	14.8	0	0
118	PL34	Z	8.2	8.2	0	0
119	PL35	Z	14.8	14.8	0	0
120	PL36	Z	8.2	8.2	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1-1A	X	-7	-7	0	0
2	BRACE-1-1B	X	-7	-7	0	0
3	BRACE-1-2A	X	-6.4	-6.4	0	0
4	BRACE-1-2B	X	-6.4	-6.4	0	0
5	BRACE-2-1A	X	-3.5	-3.5	0	0
6	BRACE-2-1B	X	-3.5	-3.5	0	0
7	BRACE-2-2A	X	-3.2	-3.2	0	0
8	BRACE-2-2B	X	-3.2	-3.2	0	0
9	BRACE-3-1A	X	-3.5	-3.5	0	0
10	BRACE-3-1B	X	-3.5	-3.5	0	0
11	BRACE-3-2A	X	-3.2	-3.2	0	0
12	BRACE-3-2B	X	-3.2	-3.2	0	0
13	FM-0	X	-2.5	-2.5	0	0
14	FM-120	X	-5	-5	0	0
15	FM-240	X	-2.5	-2.5	0	0
16	HR-0	X	-2.1	-2.1	0	0
17	HR-120	X	-4.1	-4.1	0	0
18	HR-240	X	-2.1	-2.1	0	0
19	HR-BRACE-1	X	-5.5	-5.5	0	0
20	HR-BRACE-2	X	-2.8	-2.8	0	0
21	HR-BRACE-3	X	-2.8	-2.8	0	0
22	SA-1	X	0	0	0	0
23	SA-2	X	-4.2	-4.2	0	0
24	SA-3	X	-4.2	-4.2	0	0
25	PL1	X	-4.3	-4.3	0	0
26	PL2	X	-.2	-.2	0	0
27	PL3	X	-4.3	-4.3	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
28	PL4	X	-.2	-.2	0	0
29	PL5	X	-4.3	-4.3	0	0
30	PL6	X	-.2	-.2	0	0
31	PL7	X	-4.3	-4.3	0	0
32	PL8	X	-7.5	-7.5	0	0
33	PL9	X	-4.3	-4.3	0	0
34	PL10	X	-7.5	-7.5	0	0
35	PL11	X	-4.3	-4.3	0	0
36	PL12	X	-7.5	-7.5	0	0
37	PL13	X	-8.6	-8.6	0	0
38	PL14	X	-7.3	-7.3	0	0
39	PL15	X	-8.6	-8.6	0	0
40	PL16	X	-7.3	-7.3	0	0
41	PL17	X	-8.6	-8.6	0	0
42	PL18	X	-7.3	-7.3	0	0
43	PL19	X	-8.6	-8.6	0	0
44	PL20	X	-7.3	-7.3	0	0
45	PL21	X	-8.6	-8.6	0	0
46	PL22	X	-7.3	-7.3	0	0
47	PL23	X	-8.6	-8.6	0	0
48	PL24	X	-7.3	-7.3	0	0
49	PL25	X	-4.3	-4.3	0	0
50	PL26	X	-7.5	-7.5	0	0
51	PL27	X	-4.3	-4.3	0	0
52	PL28	X	-7.5	-7.5	0	0
53	PL29	X	-4.3	-4.3	0	0
54	PL30	X	-7.5	-7.5	0	0
55	PL31	X	-4.3	-4.3	0	0
56	PL32	X	-.2	-.2	0	0
57	PL33	X	-4.3	-4.3	0	0
58	PL34	X	-.2	-.2	0	0
59	PL35	X	-4.3	-4.3	0	0
60	PL36	X	-.2	-.2	0	0
61	BRACE-1-1A	Z	12.1	12.1	0	0
62	BRACE-1-1B	Z	12.1	12.1	0	0
63	BRACE-1-2A	Z	11.2	11.2	0	0
64	BRACE-1-2B	Z	11.2	11.2	0	0
65	BRACE-2-1A	Z	6	6	0	0
66	BRACE-2-1B	Z	6	6	0	0
67	BRACE-2-2A	Z	5.6	5.6	0	0
68	BRACE-2-2B	Z	5.6	5.6	0	0
69	BRACE-3-1A	Z	6	6	0	0
70	BRACE-3-1B	Z	6	6	0	0
71	BRACE-3-2A	Z	5.6	5.6	0	0
72	BRACE-3-2B	Z	5.6	5.6	0	0
73	FM-0	Z	4.3	4.3	0	0
74	FM-120	Z	8.6	8.6	0	0
75	FM-240	Z	4.3	4.3	0	0
76	HR-0	Z	3.6	3.6	0	0
77	HR-120	Z	7.1	7.1	0	0
78	HR-240	Z	3.6	3.6	0	0
79	HR-BRACE-1	Z	9.6	9.6	0	0
80	HR-BRACE-2	Z	4.8	4.8	0	0
81	HR-BRACE-3	Z	4.8	4.8	0	0
82	SA-1	Z	0	0	0	0
83	SA-2	Z	7.3	7.3	0	0
84	SA-3	Z	7.3	7.3	0	0
85	PL1	Z	7.4	7.4	0	0
86	PL2	Z	.4	.4	0	0
87	PL3	Z	7.4	7.4	0	0
88	PL4	Z	.4	.4	0	0
89	PL5	Z	7.4	7.4	0	0
90	PL6	Z	.4	.4	0	0
91	PL7	Z	7.4	7.4	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
92	PL8	Z	13	13	0	0
93	PL9	Z	7.4	7.4	0	0
94	PL10	Z	13	13	0	0
95	PL11	Z	7.4	7.4	0	0
96	PL12	Z	13	13	0	0
97	PL13	Z	14.8	14.8	0	0
98	PL14	Z	12.6	12.6	0	0
99	PL15	Z	14.8	14.8	0	0
100	PL16	Z	12.6	12.6	0	0
101	PL17	Z	14.8	14.8	0	0
102	PL18	Z	12.6	12.6	0	0
103	PL19	Z	14.8	14.8	0	0
104	PL20	Z	12.6	12.6	0	0
105	PL21	Z	14.8	14.8	0	0
106	PL22	Z	12.6	12.6	0	0
107	PL23	Z	14.8	14.8	0	0
108	PL24	Z	12.6	12.6	0	0
109	PL25	Z	7.4	7.4	0	0
110	PL26	Z	13	13	0	0
111	PL27	Z	7.4	7.4	0	0
112	PL28	Z	13	13	0	0
113	PL29	Z	7.4	7.4	0	0
114	PL30	Z	13	13	0	0
115	PL31	Z	7.4	7.4	0	0
116	PL32	Z	.4	.4	0	0
117	PL33	Z	7.4	7.4	0	0
118	PL34	Z	.4	.4	0	0
119	PL35	Z	7.4	7.4	0	0
120	PL36	Z	.4	.4	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1-1A	X	-10.4	-10.4	0	0
2	BRACE-1-1B	X	-10.4	-10.4	0	0
3	BRACE-1-2A	X	-9.7	-9.7	0	0
4	BRACE-1-2B	X	-9.7	-9.7	0	0
5	BRACE-2-1A	X	0	0	0	0
6	BRACE-2-1B	X	0	0	0	0
7	BRACE-2-2A	X	0	0	0	0
8	BRACE-2-2B	X	0	0	0	0
9	BRACE-3-1A	X	-10.4	-10.4	0	0
10	BRACE-3-1B	X	-10.4	-10.4	0	0
11	BRACE-3-2A	X	-9.7	-9.7	0	0
12	BRACE-3-2B	X	-9.7	-9.7	0	0
13	FM-0	X	-7.5	-7.5	0	0
14	FM-120	X	-7.5	-7.5	0	0
15	FM-240	X	0	0	0	0
16	HR-0	X	-6.2	-6.2	0	0
17	HR-120	X	-6.2	-6.2	0	0
18	HR-240	X	0	0	0	0
19	HR-BRACE-1	X	-8.3	-8.3	0	0
20	HR-BRACE-2	X	0	0	0	0
21	HR-BRACE-3	X	-8.3	-8.3	0	0
22	SA-1	X	-4.2	-4.2	0	0
23	SA-2	X	-8.4	-8.4	0	0
24	SA-3	X	-4.2	-4.2	0	0
25	PL1	X	-12.8	-12.8	0	0
26	PL2	X	-7.1	-7.1	0	0
27	PL3	X	-12.8	-12.8	0	0
28	PL4	X	-7.1	-7.1	0	0
29	PL5	X	-12.8	-12.8	0	0
30	PL6	X	-7.1	-7.1	0	0
31	PL7	X	-12.8	-12.8	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
32	PL8	X	-14.8	-14.8	0	0
33	PL9	X	-12.8	-12.8	0	0
34	PL10	X	-14.8	-14.8	0	0
35	PL11	X	-12.8	-12.8	0	0
36	PL12	X	-14.8	-14.8	0	0
37	PL13	X	-12.8	-12.8	0	0
38	PL14	X	-14.8	-14.8	0	0
39	PL15	X	-12.8	-12.8	0	0
40	PL16	X	-14.8	-14.8	0	0
41	PL17	X	-12.8	-12.8	0	0
42	PL18	X	-14.8	-14.8	0	0
43	PL19	X	-12.8	-12.8	0	0
44	PL20	X	-7.1	-7.1	0	0
45	PL21	X	-12.8	-12.8	0	0
46	PL22	X	-7.1	-7.1	0	0
47	PL23	X	-12.8	-12.8	0	0
48	PL24	X	-7.1	-7.1	0	0
49	PL25	X	0	0	0	0
50	PL26	X	-7.7	-7.7	0	0
51	PL27	X	0	0	0	0
52	PL28	X	-7.7	-7.7	0	0
53	PL29	X	0	0	0	0
54	PL30	X	-7.7	-7.7	0	0
55	PL31	X	0	0	0	0
56	PL32	X	-7.7	-7.7	0	0
57	PL33	X	0	0	0	0
58	PL34	X	-7.7	-7.7	0	0
59	PL35	X	0	0	0	0
60	PL36	X	-7.7	-7.7	0	0
61	BRACE-1-1A	Z	6	6	0	0
62	BRACE-1-1B	Z	6	6	0	0
63	BRACE-1-2A	Z	5.6	5.6	0	0
64	BRACE-1-2B	Z	5.6	5.6	0	0
65	BRACE-2-1A	Z	0	0	0	0
66	BRACE-2-1B	Z	0	0	0	0
67	BRACE-2-2A	Z	0	0	0	0
68	BRACE-2-2B	Z	0	0	0	0
69	BRACE-3-1A	Z	6	6	0	0
70	BRACE-3-1B	Z	6	6	0	0
71	BRACE-3-2A	Z	5.6	5.6	0	0
72	BRACE-3-2B	Z	5.6	5.6	0	0
73	FM-0	Z	4.3	4.3	0	0
74	FM-120	Z	4.3	4.3	0	0
75	FM-240	Z	0	0	0	0
76	HR-0	Z	3.6	3.6	0	0
77	HR-120	Z	3.6	3.6	0	0
78	HR-240	Z	0	0	0	0
79	HR-BRACE-1	Z	4.8	4.8	0	0
80	HR-BRACE-2	Z	0	0	0	0
81	HR-BRACE-3	Z	4.8	4.8	0	0
82	SA-1	Z	2.4	2.4	0	0
83	SA-2	Z	4.9	4.9	0	0
84	SA-3	Z	2.4	2.4	0	0
85	PL1	Z	7.4	7.4	0	0
86	PL2	Z	4.1	4.1	0	0
87	PL3	Z	7.4	7.4	0	0
88	PL4	Z	4.1	4.1	0	0
89	PL5	Z	7.4	7.4	0	0
90	PL6	Z	4.1	4.1	0	0
91	PL7	Z	7.4	7.4	0	0
92	PL8	Z	8.5	8.5	0	0
93	PL9	Z	7.4	7.4	0	0
94	PL10	Z	8.5	8.5	0	0
95	PL11	Z	7.4	7.4	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
96	PL12	Z	8.5	8.5	0	0
97	PL13	Z	7.4	7.4	0	0
98	PL14	Z	8.5	8.5	0	0
99	PL15	Z	7.4	7.4	0	0
100	PL16	Z	8.5	8.5	0	0
101	PL17	Z	7.4	7.4	0	0
102	PL18	Z	8.5	8.5	0	0
103	PL19	Z	7.4	7.4	0	0
104	PL20	Z	4.1	4.1	0	0
105	PL21	Z	7.4	7.4	0	0
106	PL22	Z	4.1	4.1	0	0
107	PL23	Z	7.4	7.4	0	0
108	PL24	Z	4.1	4.1	0	0
109	PL25	Z	0	0	0	0
110	PL26	Z	4.5	4.5	0	0
111	PL27	Z	0	0	0	0
112	PL28	Z	4.5	4.5	0	0
113	PL29	Z	0	0	0	0
114	PL30	Z	4.5	4.5	0	0
115	PL31	Z	0	0	0	0
116	PL32	Z	4.5	4.5	0	0
117	PL33	Z	0	0	0	0
118	PL34	Z	4.5	4.5	0	0
119	PL35	Z	0	0	0	0
120	PL36	Z	4.5	4.5	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1-1A	X	-7	-7	0	0
2	BRACE-1-1B	X	-7	-7	0	0
3	BRACE-1-2A	X	-6.4	-6.4	0	0
4	BRACE-1-2B	X	-6.4	-6.4	0	0
5	BRACE-2-1A	X	-7	-7	0	0
6	BRACE-2-1B	X	-7	-7	0	0
7	BRACE-2-2A	X	-6.4	-6.4	0	0
8	BRACE-2-2B	X	-6.4	-6.4	0	0
9	BRACE-3-1A	X	-13.9	-13.9	0	0
10	BRACE-3-1B	X	-13.9	-13.9	0	0
11	BRACE-3-2A	X	-12.9	-12.9	0	0
12	BRACE-3-2B	X	-12.9	-12.9	0	0
13	FM-0	X	-10	-10	0	0
14	FM-120	X	-5	-5	0	0
15	FM-240	X	-5	-5	0	0
16	HR-0	X	-8.2	-8.2	0	0
17	HR-120	X	-4.1	-4.1	0	0
18	HR-240	X	-4.1	-4.1	0	0
19	HR-BRACE-1	X	-5.5	-5.5	0	0
20	HR-BRACE-2	X	-5.5	-5.5	0	0
21	HR-BRACE-3	X	-11	-11	0	0
22	SA-1	X	-8.4	-8.4	0	0
23	SA-2	X	-8.4	-8.4	0	0
24	SA-3	X	0	0	0	0
25	PL1	X	-17.1	-17.1	0	0
26	PL2	X	-14.6	-14.6	0	0
27	PL3	X	-17.1	-17.1	0	0
28	PL4	X	-14.6	-14.6	0	0
29	PL5	X	-17.1	-17.1	0	0
30	PL6	X	-14.6	-14.6	0	0
31	PL7	X	-17.1	-17.1	0	0
32	PL8	X	-14.6	-14.6	0	0
33	PL9	X	-17.1	-17.1	0	0
34	PL10	X	-14.6	-14.6	0	0
35	PL11	X	-17.1	-17.1	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
36	PL12	X	-14.6	-14.6	0	0
37	PL13	X	-8.6	-8.6	0	0
38	PL14	X	-15	-15	0	0
39	PL15	X	-8.6	-8.6	0	0
40	PL16	X	-15	-15	0	0
41	PL17	X	-8.6	-8.6	0	0
42	PL18	X	-15	-15	0	0
43	PL19	X	-8.6	-8.6	0	0
44	PL20	X	-.4	-.4	0	0
45	PL21	X	-8.6	-8.6	0	0
46	PL22	X	-.4	-.4	0	0
47	PL23	X	-8.6	-8.6	0	0
48	PL24	X	-.4	-.4	0	0
49	PL25	X	-8.6	-8.6	0	0
50	PL26	X	-.4	-.4	0	0
51	PL27	X	-8.6	-8.6	0	0
52	PL28	X	-.4	-.4	0	0
53	PL29	X	-8.6	-8.6	0	0
54	PL30	X	-.4	-.4	0	0
55	PL31	X	-8.6	-8.6	0	0
56	PL32	X	-15	-15	0	0
57	PL33	X	-8.6	-8.6	0	0
58	PL34	X	-15	-15	0	0
59	PL35	X	-8.6	-8.6	0	0
60	PL36	X	-15	-15	0	0
61	BRACE-1-1A	Z	0	0	0	0
62	BRACE-1-1B	Z	0	0	0	0
63	BRACE-1-2A	Z	0	0	0	0
64	BRACE-1-2B	Z	0	0	0	0
65	BRACE-2-1A	Z	0	0	0	0
66	BRACE-2-1B	Z	0	0	0	0
67	BRACE-2-2A	Z	0	0	0	0
68	BRACE-2-2B	Z	0	0	0	0
69	BRACE-3-1A	Z	0	0	0	0
70	BRACE-3-1B	Z	0	0	0	0
71	BRACE-3-2A	Z	0	0	0	0
72	BRACE-3-2B	Z	0	0	0	0
73	FM-0	Z	0	0	0	0
74	FM-120	Z	0	0	0	0
75	FM-240	Z	0	0	0	0
76	HR-0	Z	0	0	0	0
77	HR-120	Z	0	0	0	0
78	HR-240	Z	0	0	0	0
79	HR-BRACE-1	Z	0	0	0	0
80	HR-BRACE-2	Z	0	0	0	0
81	HR-BRACE-3	Z	0	0	0	0
82	SA-1	Z	0	0	0	0
83	SA-2	Z	0	0	0	0
84	SA-3	Z	0	0	0	0
85	PL1	Z	0	0	0	0
86	PL2	Z	0	0	0	0
87	PL3	Z	0	0	0	0
88	PL4	Z	0	0	0	0
89	PL5	Z	0	0	0	0
90	PL6	Z	0	0	0	0
91	PL7	Z	0	0	0	0
92	PL8	Z	0	0	0	0
93	PL9	Z	0	0	0	0
94	PL10	Z	0	0	0	0
95	PL11	Z	0	0	0	0
96	PL12	Z	0	0	0	0
97	PL13	Z	0	0	0	0
98	PL14	Z	0	0	0	0
99	PL15	Z	0	0	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
100	PL16	Z	0	0	0	0
101	PL17	Z	0	0	0	0
102	PL18	Z	0	0	0	0
103	PL19	Z	0	0	0	0
104	PL20	Z	0	0	0	0
105	PL21	Z	0	0	0	0
106	PL22	Z	0	0	0	0
107	PL23	Z	0	0	0	0
108	PL24	Z	0	0	0	0
109	PL25	Z	0	0	0	0
110	PL26	Z	0	0	0	0
111	PL27	Z	0	0	0	0
112	PL28	Z	0	0	0	0
113	PL29	Z	0	0	0	0
114	PL30	Z	0	0	0	0
115	PL31	Z	0	0	0	0
116	PL32	Z	0	0	0	0
117	PL33	Z	0	0	0	0
118	PL34	Z	0	0	0	0
119	PL35	Z	0	0	0	0
120	PL36	Z	0	0	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1-1A	X	0	0	0	0
2	BRACE-1-1B	X	0	0	0	0
3	BRACE-1-2A	X	0	0	0	0
4	BRACE-1-2B	X	0	0	0	0
5	BRACE-2-1A	X	-10.4	-10.4	0	0
6	BRACE-2-1B	X	-10.4	-10.4	0	0
7	BRACE-2-2A	X	-9.7	-9.7	0	0
8	BRACE-2-2B	X	-9.7	-9.7	0	0
9	BRACE-3-1A	X	-10.4	-10.4	0	0
10	BRACE-3-1B	X	-10.4	-10.4	0	0
11	BRACE-3-2A	X	-9.7	-9.7	0	0
12	BRACE-3-2B	X	-9.7	-9.7	0	0
13	FM-0	X	-7.5	-7.5	0	0
14	FM-120	X	0	0	0	0
15	FM-240	X	-7.5	-7.5	0	0
16	HR-0	X	-6.2	-6.2	0	0
17	HR-120	X	0	0	0	0
18	HR-240	X	-6.2	-6.2	0	0
19	HR-BRACE-1	X	0	0	0	0
20	HR-BRACE-2	X	-8.3	-8.3	0	0
21	HR-BRACE-3	X	-8.3	-8.3	0	0
22	SA-1	X	-8.4	-8.4	0	0
23	SA-2	X	-4.2	-4.2	0	0
24	SA-3	X	-4.2	-4.2	0	0
25	PL1	X	-12.8	-12.8	0	0
26	PL2	X	-14.8	-14.8	0	0
27	PL3	X	-12.8	-12.8	0	0
28	PL4	X	-14.8	-14.8	0	0
29	PL5	X	-12.8	-12.8	0	0
30	PL6	X	-14.8	-14.8	0	0
31	PL7	X	-12.8	-12.8	0	0
32	PL8	X	-7.1	-7.1	0	0
33	PL9	X	-12.8	-12.8	0	0
34	PL10	X	-7.1	-7.1	0	0
35	PL11	X	-12.8	-12.8	0	0
36	PL12	X	-7.1	-7.1	0	0
37	PL13	X	0	0	0	0
38	PL14	X	-7.7	-7.7	0	0
39	PL15	X	0	0	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
40	PL16	X	-7.7	-7.7	0	0
41	PL17	X	0	0	0	0
42	PL18	X	-7.7	-7.7	0	0
43	PL19	X	0	0	0	0
44	PL20	X	-7.7	-7.7	0	0
45	PL21	X	0	0	0	0
46	PL22	X	-7.7	-7.7	0	0
47	PL23	X	0	0	0	0
48	PL24	X	-7.7	-7.7	0	0
49	PL25	X	-12.8	-12.8	0	0
50	PL26	X	-7.1	-7.1	0	0
51	PL27	X	-12.8	-12.8	0	0
52	PL28	X	-7.1	-7.1	0	0
53	PL29	X	-12.8	-12.8	0	0
54	PL30	X	-7.1	-7.1	0	0
55	PL31	X	-12.8	-12.8	0	0
56	PL32	X	-14.8	-14.8	0	0
57	PL33	X	-12.8	-12.8	0	0
58	PL34	X	-14.8	-14.8	0	0
59	PL35	X	-12.8	-12.8	0	0
60	PL36	X	-14.8	-14.8	0	0
61	BRACE-1-1A	Z	0	0	0	0
62	BRACE-1-1B	Z	0	0	0	0
63	BRACE-1-2A	Z	0	0	0	0
64	BRACE-1-2B	Z	0	0	0	0
65	BRACE-2-1A	Z	-6	-6	0	0
66	BRACE-2-1B	Z	-6	-6	0	0
67	BRACE-2-2A	Z	-5.6	-5.6	0	0
68	BRACE-2-2B	Z	-5.6	-5.6	0	0
69	BRACE-3-1A	Z	-6	-6	0	0
70	BRACE-3-1B	Z	-6	-6	0	0
71	BRACE-3-2A	Z	-5.6	-5.6	0	0
72	BRACE-3-2B	Z	-5.6	-5.6	0	0
73	FM-0	Z	-4.3	-4.3	0	0
74	FM-120	Z	0	0	0	0
75	FM-240	Z	-4.3	-4.3	0	0
76	HR-0	Z	-3.6	-3.6	0	0
77	HR-120	Z	0	0	0	0
78	HR-240	Z	-3.6	-3.6	0	0
79	HR-BRACE-1	Z	0	0	0	0
80	HR-BRACE-2	Z	-4.8	-4.8	0	0
81	HR-BRACE-3	Z	-4.8	-4.8	0	0
82	SA-1	Z	-4.9	-4.9	0	0
83	SA-2	Z	-2.4	-2.4	0	0
84	SA-3	Z	-2.4	-2.4	0	0
85	PL1	Z	-7.4	-7.4	0	0
86	PL2	Z	-8.5	-8.5	0	0
87	PL3	Z	-7.4	-7.4	0	0
88	PL4	Z	-8.5	-8.5	0	0
89	PL5	Z	-7.4	-7.4	0	0
90	PL6	Z	-8.5	-8.5	0	0
91	PL7	Z	-7.4	-7.4	0	0
92	PL8	Z	-4.1	-4.1	0	0
93	PL9	Z	-7.4	-7.4	0	0
94	PL10	Z	-4.1	-4.1	0	0
95	PL11	Z	-7.4	-7.4	0	0
96	PL12	Z	-4.1	-4.1	0	0
97	PL13	Z	0	0	0	0
98	PL14	Z	-4.5	-4.5	0	0
99	PL15	Z	0	0	0	0
100	PL16	Z	-4.5	-4.5	0	0
101	PL17	Z	0	0	0	0
102	PL18	Z	-4.5	-4.5	0	0
103	PL19	Z	0	0	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
104	PL20	Z	-4.5	-4.5	0	0
105	PL21	Z	0	0	0	0
106	PL22	Z	-4.5	-4.5	0	0
107	PL23	Z	0	0	0	0
108	PL24	Z	-4.5	-4.5	0	0
109	PL25	Z	-7.4	-7.4	0	0
110	PL26	Z	-4.1	-4.1	0	0
111	PL27	Z	-7.4	-7.4	0	0
112	PL28	Z	-4.1	-4.1	0	0
113	PL29	Z	-7.4	-7.4	0	0
114	PL30	Z	-4.1	-4.1	0	0
115	PL31	Z	-7.4	-7.4	0	0
116	PL32	Z	-8.5	-8.5	0	0
117	PL33	Z	-7.4	-7.4	0	0
118	PL34	Z	-8.5	-8.5	0	0
119	PL35	Z	-7.4	-7.4	0	0
120	PL36	Z	-8.5	-8.5	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1-1A	X	-3.5	-3.5	0	0
2	BRACE-1-1B	X	-3.5	-3.5	0	0
3	BRACE-1-2A	X	-3.2	-3.2	0	0
4	BRACE-1-2B	X	-3.2	-3.2	0	0
5	BRACE-2-1A	X	-7	-7	0	0
6	BRACE-2-1B	X	-7	-7	0	0
7	BRACE-2-2A	X	-6.4	-6.4	0	0
8	BRACE-2-2B	X	-6.4	-6.4	0	0
9	BRACE-3-1A	X	-3.5	-3.5	0	0
10	BRACE-3-1B	X	-3.5	-3.5	0	0
11	BRACE-3-2A	X	-3.2	-3.2	0	0
12	BRACE-3-2B	X	-3.2	-3.2	0	0
13	FM-0	X	-2.5	-2.5	0	0
14	FM-120	X	-2.5	-2.5	0	0
15	FM-240	X	-5	-5	0	0
16	HR-0	X	-2.1	-2.1	0	0
17	HR-120	X	-2.1	-2.1	0	0
18	HR-240	X	-4.1	-4.1	0	0
19	HR-BRACE-1	X	-2.8	-2.8	0	0
20	HR-BRACE-2	X	-5.5	-5.5	0	0
21	HR-BRACE-3	X	-2.8	-2.8	0	0
22	SA-1	X	-4.2	-4.2	0	0
23	SA-2	X	0	0	0	0
24	SA-3	X	-4.2	-4.2	0	0
25	PL1	X	-4.3	-4.3	0	0
26	PL2	X	-7.5	-7.5	0	0
27	PL3	X	-4.3	-4.3	0	0
28	PL4	X	-7.5	-7.5	0	0
29	PL5	X	-4.3	-4.3	0	0
30	PL6	X	-7.5	-7.5	0	0
31	PL7	X	-4.3	-4.3	0	0
32	PL8	X	-.2	-.2	0	0
33	PL9	X	-4.3	-4.3	0	0
34	PL10	X	-.2	-.2	0	0
35	PL11	X	-4.3	-4.3	0	0
36	PL12	X	-.2	-.2	0	0
37	PL13	X	-4.3	-4.3	0	0
38	PL14	X	-.2	-.2	0	0
39	PL15	X	-4.3	-4.3	0	0
40	PL16	X	-.2	-.2	0	0
41	PL17	X	-4.3	-4.3	0	0
42	PL18	X	-.2	-.2	0	0
43	PL19	X	-4.3	-4.3	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
44	PL20	X	-7.5	-7.5	0	0
45	PL21	X	-4.3	-4.3	0	0
46	PL22	X	-7.5	-7.5	0	0
47	PL23	X	-4.3	-4.3	0	0
48	PL24	X	-7.5	-7.5	0	0
49	PL25	X	-8.6	-8.6	0	0
50	PL26	X	-7.3	-7.3	0	0
51	PL27	X	-8.6	-8.6	0	0
52	PL28	X	-7.3	-7.3	0	0
53	PL29	X	-8.6	-8.6	0	0
54	PL30	X	-7.3	-7.3	0	0
55	PL31	X	-8.6	-8.6	0	0
56	PL32	X	-7.3	-7.3	0	0
57	PL33	X	-8.6	-8.6	0	0
58	PL34	X	-7.3	-7.3	0	0
59	PL35	X	-8.6	-8.6	0	0
60	PL36	X	-7.3	-7.3	0	0
61	BRACE-1-1A	Z	-6	-6	0	0
62	BRACE-1-1B	Z	-6	-6	0	0
63	BRACE-1-2A	Z	-5.6	-5.6	0	0
64	BRACE-1-2B	Z	-5.6	-5.6	0	0
65	BRACE-2-1A	Z	-12.1	-12.1	0	0
66	BRACE-2-1B	Z	-12.1	-12.1	0	0
67	BRACE-2-2A	Z	-11.2	-11.2	0	0
68	BRACE-2-2B	Z	-11.2	-11.2	0	0
69	BRACE-3-1A	Z	-6	-6	0	0
70	BRACE-3-1B	Z	-6	-6	0	0
71	BRACE-3-2A	Z	-5.6	-5.6	0	0
72	BRACE-3-2B	Z	-5.6	-5.6	0	0
73	FM-0	Z	-4.3	-4.3	0	0
74	FM-120	Z	-4.3	-4.3	0	0
75	FM-240	Z	-8.6	-8.6	0	0
76	HR-0	Z	-3.6	-3.6	0	0
77	HR-120	Z	-3.6	-3.6	0	0
78	HR-240	Z	-7.1	-7.1	0	0
79	HR-BRACE-1	Z	-4.8	-4.8	0	0
80	HR-BRACE-2	Z	-9.6	-9.6	0	0
81	HR-BRACE-3	Z	-4.8	-4.8	0	0
82	SA-1	Z	-7.3	-7.3	0	0
83	SA-2	Z	0	0	0	0
84	SA-3	Z	-7.3	-7.3	0	0
85	PL1	Z	-7.4	-7.4	0	0
86	PL2	Z	-13	-13	0	0
87	PL3	Z	-7.4	-7.4	0	0
88	PL4	Z	-13	-13	0	0
89	PL5	Z	-7.4	-7.4	0	0
90	PL6	Z	-13	-13	0	0
91	PL7	Z	-7.4	-7.4	0	0
92	PL8	Z	-.4	-.4	0	0
93	PL9	Z	-7.4	-7.4	0	0
94	PL10	Z	-.4	-.4	0	0
95	PL11	Z	-7.4	-7.4	0	0
96	PL12	Z	-.4	-.4	0	0
97	PL13	Z	-7.4	-7.4	0	0
98	PL14	Z	-.4	-.4	0	0
99	PL15	Z	-7.4	-7.4	0	0
100	PL16	Z	-.4	-.4	0	0
101	PL17	Z	-7.4	-7.4	0	0
102	PL18	Z	-.4	-.4	0	0
103	PL19	Z	-7.4	-7.4	0	0
104	PL20	Z	-13	-13	0	0
105	PL21	Z	-7.4	-7.4	0	0
106	PL22	Z	-13	-13	0	0
107	PL23	Z	-7.4	-7.4	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
108	PL24	Z	-13	-13	0	0
109	PL25	Z	-14.8	-14.8	0	0
110	PL26	Z	-12.6	-12.6	0	0
111	PL27	Z	-14.8	-14.8	0	0
112	PL28	Z	-12.6	-12.6	0	0
113	PL29	Z	-14.8	-14.8	0	0
114	PL30	Z	-12.6	-12.6	0	0
115	PL31	Z	-14.8	-14.8	0	0
116	PL32	Z	-12.6	-12.6	0	0
117	PL33	Z	-14.8	-14.8	0	0
118	PL34	Z	-12.6	-12.6	0	0
119	PL35	Z	-14.8	-14.8	0	0
120	PL36	Z	-12.6	-12.6	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1-1A	X	0	0	0	0
2	BRACE-1-1B	X	0	0	0	0
3	BRACE-1-2A	X	0	0	0	0
4	BRACE-1-2B	X	0	0	0	0
5	BRACE-2-1A	X	0	0	0	0
6	BRACE-2-1B	X	0	0	0	0
7	BRACE-2-2A	X	0	0	0	0
8	BRACE-2-2B	X	0	0	0	0
9	BRACE-3-1A	X	0	0	0	0
10	BRACE-3-1B	X	0	0	0	0
11	BRACE-3-2A	X	0	0	0	0
12	BRACE-3-2B	X	0	0	0	0
13	FM-0	X	0	0	0	0
14	FM-120	X	0	0	0	0
15	FM-240	X	0	0	0	0
16	HR-0	X	0	0	0	0
17	HR-120	X	0	0	0	0
18	HR-240	X	0	0	0	0
19	HR-BRACE-1	X	0	0	0	0
20	HR-BRACE-2	X	0	0	0	0
21	HR-BRACE-3	X	0	0	0	0
22	SA-1	X	0	0	0	0
23	SA-2	X	0	0	0	0
24	SA-3	X	0	0	0	0
25	PL1	X	0	0	0	0
26	PL2	X	0	0	0	0
27	PL3	X	0	0	0	0
28	PL4	X	0	0	0	0
29	PL5	X	0	0	0	0
30	PL6	X	0	0	0	0
31	PL7	X	0	0	0	0
32	PL8	X	0	0	0	0
33	PL9	X	0	0	0	0
34	PL10	X	0	0	0	0
35	PL11	X	0	0	0	0
36	PL12	X	0	0	0	0
37	PL13	X	0	0	0	0
38	PL14	X	0	0	0	0
39	PL15	X	0	0	0	0
40	PL16	X	0	0	0	0
41	PL17	X	0	0	0	0
42	PL18	X	0	0	0	0
43	PL19	X	0	0	0	0
44	PL20	X	0	0	0	0
45	PL21	X	0	0	0	0
46	PL22	X	0	0	0	0
47	PL23	X	0	0	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
48	PL24	X	0	0	0	0
49	PL25	X	0	0	0	0
50	PL26	X	0	0	0	0
51	PL27	X	0	0	0	0
52	PL28	X	0	0	0	0
53	PL29	X	0	0	0	0
54	PL30	X	0	0	0	0
55	PL31	X	0	0	0	0
56	PL32	X	0	0	0	0
57	PL33	X	0	0	0	0
58	PL34	X	0	0	0	0
59	PL35	X	0	0	0	0
60	PL36	X	0	0	0	0
61	BRACE-1-1A	Z	-12.1	-12.1	0	0
62	BRACE-1-1B	Z	-12.1	-12.1	0	0
63	BRACE-1-2A	Z	-11.2	-11.2	0	0
64	BRACE-1-2B	Z	-11.2	-11.2	0	0
65	BRACE-2-1A	Z	-12.1	-12.1	0	0
66	BRACE-2-1B	Z	-12.1	-12.1	0	0
67	BRACE-2-2A	Z	-11.2	-11.2	0	0
68	BRACE-2-2B	Z	-11.2	-11.2	0	0
69	BRACE-3-1A	Z	0	0	0	0
70	BRACE-3-1B	Z	0	0	0	0
71	BRACE-3-2A	Z	0	0	0	0
72	BRACE-3-2B	Z	0	0	0	0
73	FM-0	Z	0	0	0	0
74	FM-120	Z	-8.6	-8.6	0	0
75	FM-240	Z	-8.6	-8.6	0	0
76	HR-0	Z	0	0	0	0
77	HR-120	Z	-7.1	-7.1	0	0
78	HR-240	Z	-7.1	-7.1	0	0
79	HR-BRACE-1	Z	-9.6	-9.6	0	0
80	HR-BRACE-2	Z	-9.6	-9.6	0	0
81	HR-BRACE-3	Z	0	0	0	0
82	SA-1	Z	-4.9	-4.9	0	0
83	SA-2	Z	-4.9	-4.9	0	0
84	SA-3	Z	-9.7	-9.7	0	0
85	PL1	Z	0	0	0	0
86	PL2	Z	-8.9	-8.9	0	0
87	PL3	Z	0	0	0	0
88	PL4	Z	-8.9	-8.9	0	0
89	PL5	Z	0	0	0	0
90	PL6	Z	-8.9	-8.9	0	0
91	PL7	Z	0	0	0	0
92	PL8	Z	-8.9	-8.9	0	0
93	PL9	Z	0	0	0	0
94	PL10	Z	-8.9	-8.9	0	0
95	PL11	Z	0	0	0	0
96	PL12	Z	-8.9	-8.9	0	0
97	PL13	Z	-14.8	-14.8	0	0
98	PL14	Z	-8.2	-8.2	0	0
99	PL15	Z	-14.8	-14.8	0	0
100	PL16	Z	-8.2	-8.2	0	0
101	PL17	Z	-14.8	-14.8	0	0
102	PL18	Z	-8.2	-8.2	0	0
103	PL19	Z	-14.8	-14.8	0	0
104	PL20	Z	-17.1	-17.1	0	0
105	PL21	Z	-14.8	-14.8	0	0
106	PL22	Z	-17.1	-17.1	0	0
107	PL23	Z	-14.8	-14.8	0	0
108	PL24	Z	-17.1	-17.1	0	0
109	PL25	Z	-14.8	-14.8	0	0
110	PL26	Z	-17.1	-17.1	0	0
111	PL27	Z	-14.8	-14.8	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
112	PL28	Z	-17.1	-17.1	0	0
113	PL29	Z	-14.8	-14.8	0	0
114	PL30	Z	-17.1	-17.1	0	0
115	PL31	Z	-14.8	-14.8	0	0
116	PL32	Z	-8.2	-8.2	0	0
117	PL33	Z	-14.8	-14.8	0	0
118	PL34	Z	-8.2	-8.2	0	0
119	PL35	Z	-14.8	-14.8	0	0
120	PL36	Z	-8.2	-8.2	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1-1A	X	7	7	0	0
2	BRACE-1-1B	X	7	7	0	0
3	BRACE-1-2A	X	6.4	6.4	0	0
4	BRACE-1-2B	X	6.4	6.4	0	0
5	BRACE-2-1A	X	3.5	3.5	0	0
6	BRACE-2-1B	X	3.5	3.5	0	0
7	BRACE-2-2A	X	3.2	3.2	0	0
8	BRACE-2-2B	X	3.2	3.2	0	0
9	BRACE-3-1A	X	3.5	3.5	0	0
10	BRACE-3-1B	X	3.5	3.5	0	0
11	BRACE-3-2A	X	3.2	3.2	0	0
12	BRACE-3-2B	X	3.2	3.2	0	0
13	FM-0	X	2.5	2.5	0	0
14	FM-120	X	5	5	0	0
15	FM-240	X	2.5	2.5	0	0
16	HR-0	X	2.1	2.1	0	0
17	HR-120	X	4.1	4.1	0	0
18	HR-240	X	2.1	2.1	0	0
19	HR-BRACE-1	X	5.5	5.5	0	0
20	HR-BRACE-2	X	2.8	2.8	0	0
21	HR-BRACE-3	X	2.8	2.8	0	0
22	SA-1	X	0	0	0	0
23	SA-2	X	4.2	4.2	0	0
24	SA-3	X	4.2	4.2	0	0
25	PL1	X	4.3	4.3	0	0
26	PL2	X	.2	.2	0	0
27	PL3	X	4.3	4.3	0	0
28	PL4	X	.2	.2	0	0
29	PL5	X	4.3	4.3	0	0
30	PL6	X	.2	.2	0	0
31	PL7	X	4.3	4.3	0	0
32	PL8	X	7.5	7.5	0	0
33	PL9	X	4.3	4.3	0	0
34	PL10	X	7.5	7.5	0	0
35	PL11	X	4.3	4.3	0	0
36	PL12	X	7.5	7.5	0	0
37	PL13	X	8.6	8.6	0	0
38	PL14	X	7.3	7.3	0	0
39	PL15	X	8.6	8.6	0	0
40	PL16	X	7.3	7.3	0	0
41	PL17	X	8.6	8.6	0	0
42	PL18	X	7.3	7.3	0	0
43	PL19	X	8.6	8.6	0	0
44	PL20	X	7.3	7.3	0	0
45	PL21	X	8.6	8.6	0	0
46	PL22	X	7.3	7.3	0	0
47	PL23	X	8.6	8.6	0	0
48	PL24	X	7.3	7.3	0	0
49	PL25	X	4.3	4.3	0	0
50	PL26	X	7.5	7.5	0	0
51	PL27	X	4.3	4.3	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
52	PL28	X	7.5	7.5	0	0
53	PL29	X	4.3	4.3	0	0
54	PL30	X	7.5	7.5	0	0
55	PL31	X	4.3	4.3	0	0
56	PL32	X	.2	.2	0	0
57	PL33	X	4.3	4.3	0	0
58	PL34	X	.2	.2	0	0
59	PL35	X	4.3	4.3	0	0
60	PL36	X	.2	.2	0	0
61	BRACE-1-1A	Z	-12.1	-12.1	0	0
62	BRACE-1-1B	Z	-12.1	-12.1	0	0
63	BRACE-1-2A	Z	-11.2	-11.2	0	0
64	BRACE-1-2B	Z	-11.2	-11.2	0	0
65	BRACE-2-1A	Z	-6	-6	0	0
66	BRACE-2-1B	Z	-6	-6	0	0
67	BRACE-2-2A	Z	-5.6	-5.6	0	0
68	BRACE-2-2B	Z	-5.6	-5.6	0	0
69	BRACE-3-1A	Z	-6	-6	0	0
70	BRACE-3-1B	Z	-6	-6	0	0
71	BRACE-3-2A	Z	-5.6	-5.6	0	0
72	BRACE-3-2B	Z	-5.6	-5.6	0	0
73	FM-0	Z	-4.3	-4.3	0	0
74	FM-120	Z	-8.6	-8.6	0	0
75	FM-240	Z	-4.3	-4.3	0	0
76	HR-0	Z	-3.6	-3.6	0	0
77	HR-120	Z	-7.1	-7.1	0	0
78	HR-240	Z	-3.6	-3.6	0	0
79	HR-BRACE-1	Z	-9.6	-9.6	0	0
80	HR-BRACE-2	Z	-4.8	-4.8	0	0
81	HR-BRACE-3	Z	-4.8	-4.8	0	0
82	SA-1	Z	0	0	0	0
83	SA-2	Z	-7.3	-7.3	0	0
84	SA-3	Z	-7.3	-7.3	0	0
85	PL1	Z	-7.4	-7.4	0	0
86	PL2	Z	-.4	-.4	0	0
87	PL3	Z	-7.4	-7.4	0	0
88	PL4	Z	-.4	-.4	0	0
89	PL5	Z	-7.4	-7.4	0	0
90	PL6	Z	-.4	-.4	0	0
91	PL7	Z	-7.4	-7.4	0	0
92	PL8	Z	-13	-13	0	0
93	PL9	Z	-7.4	-7.4	0	0
94	PL10	Z	-13	-13	0	0
95	PL11	Z	-7.4	-7.4	0	0
96	PL12	Z	-13	-13	0	0
97	PL13	Z	-14.8	-14.8	0	0
98	PL14	Z	-12.6	-12.6	0	0
99	PL15	Z	-14.8	-14.8	0	0
100	PL16	Z	-12.6	-12.6	0	0
101	PL17	Z	-14.8	-14.8	0	0
102	PL18	Z	-12.6	-12.6	0	0
103	PL19	Z	-14.8	-14.8	0	0
104	PL20	Z	-12.6	-12.6	0	0
105	PL21	Z	-14.8	-14.8	0	0
106	PL22	Z	-12.6	-12.6	0	0
107	PL23	Z	-14.8	-14.8	0	0
108	PL24	Z	-12.6	-12.6	0	0
109	PL25	Z	-7.4	-7.4	0	0
110	PL26	Z	-13	-13	0	0
111	PL27	Z	-7.4	-7.4	0	0
112	PL28	Z	-13	-13	0	0
113	PL29	Z	-7.4	-7.4	0	0
114	PL30	Z	-13	-13	0	0
115	PL31	Z	-7.4	-7.4	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
116	PL32	Z	-.4	-.4	0	0
117	PL33	Z	-7.4	-7.4	0	0
118	PL34	Z	-.4	-.4	0	0
119	PL35	Z	-7.4	-7.4	0	0
120	PL36	Z	-.4	-.4	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1-1A	X	10.4	10.4	0	0
2	BRACE-1-1B	X	10.4	10.4	0	0
3	BRACE-1-2A	X	9.7	9.7	0	0
4	BRACE-1-2B	X	9.7	9.7	0	0
5	BRACE-2-1A	X	0	0	0	0
6	BRACE-2-1B	X	0	0	0	0
7	BRACE-2-2A	X	0	0	0	0
8	BRACE-2-2B	X	0	0	0	0
9	BRACE-3-1A	X	10.4	10.4	0	0
10	BRACE-3-1B	X	10.4	10.4	0	0
11	BRACE-3-2A	X	9.7	9.7	0	0
12	BRACE-3-2B	X	9.7	9.7	0	0
13	FM-0	X	7.5	7.5	0	0
14	FM-120	X	7.5	7.5	0	0
15	FM-240	X	0	0	0	0
16	HR-0	X	6.2	6.2	0	0
17	HR-120	X	6.2	6.2	0	0
18	HR-240	X	0	0	0	0
19	HR-BRACE-1	X	8.3	8.3	0	0
20	HR-BRACE-2	X	0	0	0	0
21	HR-BRACE-3	X	8.3	8.3	0	0
22	SA-1	X	4.2	4.2	0	0
23	SA-2	X	8.4	8.4	0	0
24	SA-3	X	4.2	4.2	0	0
25	PL1	X	12.8	12.8	0	0
26	PL2	X	7.1	7.1	0	0
27	PL3	X	12.8	12.8	0	0
28	PL4	X	7.1	7.1	0	0
29	PL5	X	12.8	12.8	0	0
30	PL6	X	7.1	7.1	0	0
31	PL7	X	12.8	12.8	0	0
32	PL8	X	14.8	14.8	0	0
33	PL9	X	12.8	12.8	0	0
34	PL10	X	14.8	14.8	0	0
35	PL11	X	12.8	12.8	0	0
36	PL12	X	14.8	14.8	0	0
37	PL13	X	12.8	12.8	0	0
38	PL14	X	14.8	14.8	0	0
39	PL15	X	12.8	12.8	0	0
40	PL16	X	14.8	14.8	0	0
41	PL17	X	12.8	12.8	0	0
42	PL18	X	14.8	14.8	0	0
43	PL19	X	12.8	12.8	0	0
44	PL20	X	7.1	7.1	0	0
45	PL21	X	12.8	12.8	0	0
46	PL22	X	7.1	7.1	0	0
47	PL23	X	12.8	12.8	0	0
48	PL24	X	7.1	7.1	0	0
49	PL25	X	0	0	0	0
50	PL26	X	7.7	7.7	0	0
51	PL27	X	0	0	0	0
52	PL28	X	7.7	7.7	0	0
53	PL29	X	0	0	0	0
54	PL30	X	7.7	7.7	0	0
55	PL31	X	0	0	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
56	PL32	X	7.7	7.7	0	0
57	PL33	X	0	0	0	0
58	PL34	X	7.7	7.7	0	0
59	PL35	X	0	0	0	0
60	PL36	X	7.7	7.7	0	0
61	BRACE-1-1A	Z	-6	-6	0	0
62	BRACE-1-1B	Z	-6	-6	0	0
63	BRACE-1-2A	Z	-5.6	-5.6	0	0
64	BRACE-1-2B	Z	-5.6	-5.6	0	0
65	BRACE-2-1A	Z	0	0	0	0
66	BRACE-2-1B	Z	0	0	0	0
67	BRACE-2-2A	Z	0	0	0	0
68	BRACE-2-2B	Z	0	0	0	0
69	BRACE-3-1A	Z	-6	-6	0	0
70	BRACE-3-1B	Z	-6	-6	0	0
71	BRACE-3-2A	Z	-5.6	-5.6	0	0
72	BRACE-3-2B	Z	-5.6	-5.6	0	0
73	FM-0	Z	-4.3	-4.3	0	0
74	FM-120	Z	-4.3	-4.3	0	0
75	FM-240	Z	0	0	0	0
76	HR-0	Z	-3.6	-3.6	0	0
77	HR-120	Z	-3.6	-3.6	0	0
78	HR-240	Z	0	0	0	0
79	HR-BRACE-1	Z	-4.8	-4.8	0	0
80	HR-BRACE-2	Z	0	0	0	0
81	HR-BRACE-3	Z	-4.8	-4.8	0	0
82	SA-1	Z	-2.4	-2.4	0	0
83	SA-2	Z	-4.9	-4.9	0	0
84	SA-3	Z	-2.4	-2.4	0	0
85	PL1	Z	-7.4	-7.4	0	0
86	PL2	Z	-4.1	-4.1	0	0
87	PL3	Z	-7.4	-7.4	0	0
88	PL4	Z	-4.1	-4.1	0	0
89	PL5	Z	-7.4	-7.4	0	0
90	PL6	Z	-4.1	-4.1	0	0
91	PL7	Z	-7.4	-7.4	0	0
92	PL8	Z	-8.5	-8.5	0	0
93	PL9	Z	-7.4	-7.4	0	0
94	PL10	Z	-8.5	-8.5	0	0
95	PL11	Z	-7.4	-7.4	0	0
96	PL12	Z	-8.5	-8.5	0	0
97	PL13	Z	-7.4	-7.4	0	0
98	PL14	Z	-8.5	-8.5	0	0
99	PL15	Z	-7.4	-7.4	0	0
100	PL16	Z	-8.5	-8.5	0	0
101	PL17	Z	-7.4	-7.4	0	0
102	PL18	Z	-8.5	-8.5	0	0
103	PL19	Z	-7.4	-7.4	0	0
104	PL20	Z	-4.1	-4.1	0	0
105	PL21	Z	-7.4	-7.4	0	0
106	PL22	Z	-4.1	-4.1	0	0
107	PL23	Z	-7.4	-7.4	0	0
108	PL24	Z	-4.1	-4.1	0	0
109	PL25	Z	0	0	0	0
110	PL26	Z	-4.5	-4.5	0	0
111	PL27	Z	0	0	0	0
112	PL28	Z	-4.5	-4.5	0	0
113	PL29	Z	0	0	0	0
114	PL30	Z	-4.5	-4.5	0	0
115	PL31	Z	0	0	0	0
116	PL32	Z	-4.5	-4.5	0	0
117	PL33	Z	0	0	0	0
118	PL34	Z	-4.5	-4.5	0	0
119	PL35	Z	0	0	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
120	PL36	Z	-4.5	-4.5	0	0

Member Distributed Loads (BLC 14 : Ice Load)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1-1A	Y	-9	-9	0	0
2	BRACE-1-1B	Y	-9	-9	0	0
3	BRACE-1-2A	Y	-9	-9	0	0
4	BRACE-1-2B	Y	-9	-9	0	0
5	BRACE-2-1A	Y	-9	-9	0	0
6	BRACE-2-1B	Y	-9	-9	0	0
7	BRACE-2-2A	Y	-9	-9	0	0
8	BRACE-2-2B	Y	-9	-9	0	0
9	BRACE-3-1A	Y	-9	-9	0	0
10	BRACE-3-1B	Y	-9	-9	0	0
11	BRACE-3-2A	Y	-9	-9	0	0
12	BRACE-3-2B	Y	-9	-9	0	0
13	FM-0	Y	-6.1	-6.1	0	0
14	FM-120	Y	-6.1	-6.1	0	0
15	FM-240	Y	-6.1	-6.1	0	0
16	HR-0	Y	-5.3	-5.3	0	0
17	HR-120	Y	-5.3	-5.3	0	0
18	HR-240	Y	-5.3	-5.3	0	0
19	HR-BRACE-1	Y	-6.2	-6.2	0	0
20	HR-BRACE-2	Y	-6.2	-6.2	0	0
21	HR-BRACE-3	Y	-6.2	-6.2	0	0
22	SA-1	Y	-9	-9	0	0
23	SA-2	Y	-9	-9	0	0
24	SA-3	Y	-9	-9	0	0
25	PL1	Y	-9.5	-9.5	0	0
26	PL2	Y	-9.5	-9.5	0	0
27	PL3	Y	-9.5	-9.5	0	0
28	PL4	Y	-9.5	-9.5	0	0
29	PL5	Y	-9.5	-9.5	0	0
30	PL6	Y	-9.5	-9.5	0	0
31	PL7	Y	-9.5	-9.5	0	0
32	PL8	Y	-9.5	-9.5	0	0
33	PL9	Y	-9.5	-9.5	0	0
34	PL10	Y	-9.5	-9.5	0	0
35	PL11	Y	-9.5	-9.5	0	0
36	PL12	Y	-9.5	-9.5	0	0
37	PL13	Y	-9.5	-9.5	0	0
38	PL14	Y	-9.5	-9.5	0	0
39	PL15	Y	-9.5	-9.5	0	0
40	PL16	Y	-9.5	-9.5	0	0
41	PL17	Y	-9.5	-9.5	0	0
42	PL18	Y	-9.5	-9.5	0	0
43	PL19	Y	-9.5	-9.5	0	0
44	PL20	Y	-9.5	-9.5	0	0
45	PL21	Y	-9.5	-9.5	0	0
46	PL22	Y	-9.5	-9.5	0	0
47	PL23	Y	-9.5	-9.5	0	0
48	PL24	Y	-9.5	-9.5	0	0
49	PL25	Y	-9.5	-9.5	0	0
50	PL26	Y	-9.5	-9.5	0	0
51	PL27	Y	-9.5	-9.5	0	0
52	PL28	Y	-9.5	-9.5	0	0
53	PL29	Y	-9.5	-9.5	0	0
54	PL30	Y	-9.5	-9.5	0	0
55	PL31	Y	-9.5	-9.5	0	0
56	PL32	Y	-9.5	-9.5	0	0
57	PL33	Y	-9.5	-9.5	0	0
58	PL34	Y	-9.5	-9.5	0	0
59	PL35	Y	-9.5	-9.5	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
60	PL36	Y	-9.5	-9.5	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1-1A	X	1.6	1.6	0	0
2	BRACE-1-1B	X	1.6	1.6	0	0
3	BRACE-1-2A	X	1.5	1.5	0	0
4	BRACE-1-2B	X	1.5	1.5	0	0
5	BRACE-2-1A	X	1.6	1.6	0	0
6	BRACE-2-1B	X	1.6	1.6	0	0
7	BRACE-2-2A	X	1.5	1.5	0	0
8	BRACE-2-2B	X	1.5	1.5	0	0
9	BRACE-3-1A	X	3.2	3.2	0	0
10	BRACE-3-1B	X	3.2	3.2	0	0
11	BRACE-3-2A	X	3	3	0	0
12	BRACE-3-2B	X	3	3	0	0
13	FM-0	X	2.7	2.7	0	0
14	FM-120	X	1.4	1.4	0	0
15	FM-240	X	1.4	1.4	0	0
16	HR-0	X	2.4	2.4	0	0
17	HR-120	X	1.2	1.2	0	0
18	HR-240	X	1.2	1.2	0	0
19	HR-BRACE-1	X	1.4	1.4	0	0
20	HR-BRACE-2	X	1.4	1.4	0	0
21	HR-BRACE-3	X	2.8	2.8	0	0
22	SA-1	X	2.2	2.2	0	0
23	SA-2	X	2.2	2.2	0	0
24	SA-3	X	0	0	0	0
25	PL1	X	3.7	3.7	0	0
26	PL2	X	3.1	3.1	0	0
27	PL3	X	3.7	3.7	0	0
28	PL4	X	3.1	3.1	0	0
29	PL5	X	3.7	3.7	0	0
30	PL6	X	3.1	3.1	0	0
31	PL7	X	3.7	3.7	0	0
32	PL8	X	3.1	3.1	0	0
33	PL9	X	3.7	3.7	0	0
34	PL10	X	3.1	3.1	0	0
35	PL11	X	3.7	3.7	0	0
36	PL12	X	3.1	3.1	0	0
37	PL13	X	1.8	1.8	0	0
38	PL14	X	3.2	3.2	0	0
39	PL15	X	1.8	1.8	0	0
40	PL16	X	3.2	3.2	0	0
41	PL17	X	1.8	1.8	0	0
42	PL18	X	3.2	3.2	0	0
43	PL19	X	1.8	1.8	0	0
44	PL20	X	.1	.1	0	0
45	PL21	X	1.8	1.8	0	0
46	PL22	X	.1	.1	0	0
47	PL23	X	1.8	1.8	0	0
48	PL24	X	.1	.1	0	0
49	PL25	X	1.8	1.8	0	0
50	PL26	X	.1	.1	0	0
51	PL27	X	1.8	1.8	0	0
52	PL28	X	.1	.1	0	0
53	PL29	X	1.8	1.8	0	0
54	PL30	X	.1	.1	0	0
55	PL31	X	1.8	1.8	0	0
56	PL32	X	3.2	3.2	0	0
57	PL33	X	1.8	1.8	0	0
58	PL34	X	3.2	3.2	0	0
59	PL35	X	1.8	1.8	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
60	PL36	X	3.2	3.2	0	0
61	BRACE-1-1A	Z	0	0	0	0
62	BRACE-1-1B	Z	0	0	0	0
63	BRACE-1-2A	Z	0	0	0	0
64	BRACE-1-2B	Z	0	0	0	0
65	BRACE-2-1A	Z	0	0	0	0
66	BRACE-2-1B	Z	0	0	0	0
67	BRACE-2-2A	Z	0	0	0	0
68	BRACE-2-2B	Z	0	0	0	0
69	BRACE-3-1A	Z	0	0	0	0
70	BRACE-3-1B	Z	0	0	0	0
71	BRACE-3-2A	Z	0	0	0	0
72	BRACE-3-2B	Z	0	0	0	0
73	FM-0	Z	0	0	0	0
74	FM-120	Z	0	0	0	0
75	FM-240	Z	0	0	0	0
76	HR-0	Z	0	0	0	0
77	HR-120	Z	0	0	0	0
78	HR-240	Z	0	0	0	0
79	HR-BRACE-1	Z	0	0	0	0
80	HR-BRACE-2	Z	0	0	0	0
81	HR-BRACE-3	Z	0	0	0	0
82	SA-1	Z	0	0	0	0
83	SA-2	Z	0	0	0	0
84	SA-3	Z	0	0	0	0
85	PL1	Z	0	0	0	0
86	PL2	Z	0	0	0	0
87	PL3	Z	0	0	0	0
88	PL4	Z	0	0	0	0
89	PL5	Z	0	0	0	0
90	PL6	Z	0	0	0	0
91	PL7	Z	0	0	0	0
92	PL8	Z	0	0	0	0
93	PL9	Z	0	0	0	0
94	PL10	Z	0	0	0	0
95	PL11	Z	0	0	0	0
96	PL12	Z	0	0	0	0
97	PL13	Z	0	0	0	0
98	PL14	Z	0	0	0	0
99	PL15	Z	0	0	0	0
100	PL16	Z	0	0	0	0
101	PL17	Z	0	0	0	0
102	PL18	Z	0	0	0	0
103	PL19	Z	0	0	0	0
104	PL20	Z	0	0	0	0
105	PL21	Z	0	0	0	0
106	PL22	Z	0	0	0	0
107	PL23	Z	0	0	0	0
108	PL24	Z	0	0	0	0
109	PL25	Z	0	0	0	0
110	PL26	Z	0	0	0	0
111	PL27	Z	0	0	0	0
112	PL28	Z	0	0	0	0
113	PL29	Z	0	0	0	0
114	PL30	Z	0	0	0	0
115	PL31	Z	0	0	0	0
116	PL32	Z	0	0	0	0
117	PL33	Z	0	0	0	0
118	PL34	Z	0	0	0	0
119	PL35	Z	0	0	0	0
120	PL36	Z	0	0	0	0

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

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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1-1A	X	0	0	0	0
2	BRACE-1-1B	X	0	0	0	0
3	BRACE-1-2A	X	0	0	0	0
4	BRACE-1-2B	X	0	0	0	0
5	BRACE-2-1A	X	2.4	2.4	0	0
6	BRACE-2-1B	X	2.4	2.4	0	0
7	BRACE-2-2A	X	2.2	2.2	0	0
8	BRACE-2-2B	X	2.2	2.2	0	0
9	BRACE-3-1A	X	2.4	2.4	0	0
10	BRACE-3-1B	X	2.4	2.4	0	0
11	BRACE-3-2A	X	2.2	2.2	0	0
12	BRACE-3-2B	X	2.2	2.2	0	0
13	FM-0	X	2	2	0	0
14	FM-120	X	0	0	0	0
15	FM-240	X	2	2	0	0
16	HR-0	X	1.8	1.8	0	0
17	HR-120	X	0	0	0	0
18	HR-240	X	1.8	1.8	0	0
19	HR-BRACE-1	X	0	0	0	0
20	HR-BRACE-2	X	2.1	2.1	0	0
21	HR-BRACE-3	X	2.1	2.1	0	0
22	SA-1	X	2.2	2.2	0	0
23	SA-2	X	1.1	1.1	0	0
24	SA-3	X	1.1	1.1	0	0
25	PL1	X	2.7	2.7	0	0
26	PL2	X	3.2	3.2	0	0
27	PL3	X	2.7	2.7	0	0
28	PL4	X	3.2	3.2	0	0
29	PL5	X	2.7	2.7	0	0
30	PL6	X	3.2	3.2	0	0
31	PL7	X	2.7	2.7	0	0
32	PL8	X	1.5	1.5	0	0
33	PL9	X	2.7	2.7	0	0
34	PL10	X	1.5	1.5	0	0
35	PL11	X	2.7	2.7	0	0
36	PL12	X	1.5	1.5	0	0
37	PL13	X	0	0	0	0
38	PL14	X	1.7	1.7	0	0
39	PL15	X	0	0	0	0
40	PL16	X	1.7	1.7	0	0
41	PL17	X	0	0	0	0
42	PL18	X	1.7	1.7	0	0
43	PL19	X	0	0	0	0
44	PL20	X	1.7	1.7	0	0
45	PL21	X	0	0	0	0
46	PL22	X	1.7	1.7	0	0
47	PL23	X	0	0	0	0
48	PL24	X	1.7	1.7	0	0
49	PL25	X	2.7	2.7	0	0
50	PL26	X	1.5	1.5	0	0
51	PL27	X	2.7	2.7	0	0
52	PL28	X	1.5	1.5	0	0
53	PL29	X	2.7	2.7	0	0
54	PL30	X	1.5	1.5	0	0
55	PL31	X	2.7	2.7	0	0
56	PL32	X	3.2	3.2	0	0
57	PL33	X	2.7	2.7	0	0
58	PL34	X	3.2	3.2	0	0
59	PL35	X	2.7	2.7	0	0
60	PL36	X	3.2	3.2	0	0
61	BRACE-1-1A	Z	0	0	0	0
62	BRACE-1-1B	Z	0	0	0	0
63	BRACE-1-2A	Z	0	0	0	0
64	BRACE-1-2B	Z	0	0	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
65	BRACE-2-1A	Z	1.4	1.4	0	0
66	BRACE-2-1B	Z	1.4	1.4	0	0
67	BRACE-2-2A	Z	1.3	1.3	0	0
68	BRACE-2-2B	Z	1.3	1.3	0	0
69	BRACE-3-1A	Z	1.4	1.4	0	0
70	BRACE-3-1B	Z	1.4	1.4	0	0
71	BRACE-3-2A	Z	1.3	1.3	0	0
72	BRACE-3-2B	Z	1.3	1.3	0	0
73	FM-0	Z	1.2	1.2	0	0
74	FM-120	Z	0	0	0	0
75	FM-240	Z	1.2	1.2	0	0
76	HR-0	Z	1.1	1.1	0	0
77	HR-120	Z	0	0	0	0
78	HR-240	Z	1.1	1.1	0	0
79	HR-BRACE-1	Z	0	0	0	0
80	HR-BRACE-2	Z	1.2	1.2	0	0
81	HR-BRACE-3	Z	1.2	1.2	0	0
82	SA-1	Z	1.2	1.2	0	0
83	SA-2	Z	.6	.6	0	0
84	SA-3	Z	.6	.6	0	0
85	PL1	Z	1.6	1.6	0	0
86	PL2	Z	1.8	1.8	0	0
87	PL3	Z	1.6	1.6	0	0
88	PL4	Z	1.8	1.8	0	0
89	PL5	Z	1.6	1.6	0	0
90	PL6	Z	1.8	1.8	0	0
91	PL7	Z	1.6	1.6	0	0
92	PL8	Z	.9	.9	0	0
93	PL9	Z	1.6	1.6	0	0
94	PL10	Z	.9	.9	0	0
95	PL11	Z	1.6	1.6	0	0
96	PL12	Z	.9	.9	0	0
97	PL13	Z	0	0	0	0
98	PL14	Z	1	1	0	0
99	PL15	Z	0	0	0	0
100	PL16	Z	1	1	0	0
101	PL17	Z	0	0	0	0
102	PL18	Z	1	1	0	0
103	PL19	Z	0	0	0	0
104	PL20	Z	1	1	0	0
105	PL21	Z	0	0	0	0
106	PL22	Z	1	1	0	0
107	PL23	Z	0	0	0	0
108	PL24	Z	1	1	0	0
109	PL25	Z	1.6	1.6	0	0
110	PL26	Z	.9	.9	0	0
111	PL27	Z	1.6	1.6	0	0
112	PL28	Z	.9	.9	0	0
113	PL29	Z	1.6	1.6	0	0
114	PL30	Z	.9	.9	0	0
115	PL31	Z	1.6	1.6	0	0
116	PL32	Z	1.8	1.8	0	0
117	PL33	Z	1.6	1.6	0	0
118	PL34	Z	1.8	1.8	0	0
119	PL35	Z	1.6	1.6	0	0
120	PL36	Z	1.8	1.8	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1-1A	X	.8	.8	0	0
2	BRACE-1-1B	X	.8	.8	0	0
3	BRACE-1-2A	X	.7	.7	0	0
4	BRACE-1-2B	X	.7	.7	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
5	BRACE-2-1A	X	1.6	1.6	0	0
6	BRACE-2-1B	X	1.6	1.6	0	0
7	BRACE-2-2A	X	1.5	1.5	0	0
8	BRACE-2-2B	X	1.5	1.5	0	0
9	BRACE-3-1A	X	.8	.8	0	0
10	BRACE-3-1B	X	.8	.8	0	0
11	BRACE-3-2A	X	.7	.7	0	0
12	BRACE-3-2B	X	.7	.7	0	0
13	FM-0	X	.7	.7	0	0
14	FM-120	X	.7	.7	0	0
15	FM-240	X	1.4	1.4	0	0
16	HR-0	X	.6	.6	0	0
17	HR-120	X	.6	.6	0	0
18	HR-240	X	1.2	1.2	0	0
19	HR-BRACE-1	X	.7	.7	0	0
20	HR-BRACE-2	X	1.4	1.4	0	0
21	HR-BRACE-3	X	.7	.7	0	0
22	SA-1	X	1.1	1.1	0	0
23	SA-2	X	0	0	0	0
24	SA-3	X	1.1	1.1	0	0
25	PL1	X	.9	.9	0	0
26	PL2	X	1.6	1.6	0	0
27	PL3	X	.9	.9	0	0
28	PL4	X	1.6	1.6	0	0
29	PL5	X	.9	.9	0	0
30	PL6	X	1.6	1.6	0	0
31	PL7	X	.9	.9	0	0
32	PL8	X	0	0	0	0
33	PL9	X	.9	.9	0	0
34	PL10	X	0	0	0	0
35	PL11	X	.9	.9	0	0
36	PL12	X	0	0	0	0
37	PL13	X	.9	.9	0	0
38	PL14	X	0	0	0	0
39	PL15	X	.9	.9	0	0
40	PL16	X	0	0	0	0
41	PL17	X	.9	.9	0	0
42	PL18	X	0	0	0	0
43	PL19	X	.9	.9	0	0
44	PL20	X	1.6	1.6	0	0
45	PL21	X	.9	.9	0	0
46	PL22	X	1.6	1.6	0	0
47	PL23	X	.9	.9	0	0
48	PL24	X	1.6	1.6	0	0
49	PL25	X	1.8	1.8	0	0
50	PL26	X	1.6	1.6	0	0
51	PL27	X	1.8	1.8	0	0
52	PL28	X	1.6	1.6	0	0
53	PL29	X	1.8	1.8	0	0
54	PL30	X	1.6	1.6	0	0
55	PL31	X	1.8	1.8	0	0
56	PL32	X	1.6	1.6	0	0
57	PL33	X	1.8	1.8	0	0
58	PL34	X	1.6	1.6	0	0
59	PL35	X	1.8	1.8	0	0
60	PL36	X	1.6	1.6	0	0
61	BRACE-1-1A	Z	1.4	1.4	0	0
62	BRACE-1-1B	Z	1.4	1.4	0	0
63	BRACE-1-2A	Z	1.3	1.3	0	0
64	BRACE-1-2B	Z	1.3	1.3	0	0
65	BRACE-2-1A	Z	2.7	2.7	0	0
66	BRACE-2-1B	Z	2.7	2.7	0	0
67	BRACE-2-2A	Z	2.6	2.6	0	0
68	BRACE-2-2B	Z	2.6	2.6	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
69	BRACE-3-1A	Z	1.4	1.4	0	0
70	BRACE-3-1B	Z	1.4	1.4	0	0
71	BRACE-3-2A	Z	1.3	1.3	0	0
72	BRACE-3-2B	Z	1.3	1.3	0	0
73	FM-0	Z	1.2	1.2	0	0
74	FM-120	Z	1.2	1.2	0	0
75	FM-240	Z	2.3	2.3	0	0
76	HR-0	Z	1.1	1.1	0	0
77	HR-120	Z	1.1	1.1	0	0
78	HR-240	Z	2.1	2.1	0	0
79	HR-BRACE-1	Z	1.2	1.2	0	0
80	HR-BRACE-2	Z	2.4	2.4	0	0
81	HR-BRACE-3	Z	1.2	1.2	0	0
82	SA-1	Z	1.9	1.9	0	0
83	SA-2	Z	0	0	0	0
84	SA-3	Z	1.9	1.9	0	0
85	PL1	Z	1.6	1.6	0	0
86	PL2	Z	2.8	2.8	0	0
87	PL3	Z	1.6	1.6	0	0
88	PL4	Z	2.8	2.8	0	0
89	PL5	Z	1.6	1.6	0	0
90	PL6	Z	2.8	2.8	0	0
91	PL7	Z	1.6	1.6	0	0
92	PL8	Z	.1	.1	0	0
93	PL9	Z	1.6	1.6	0	0
94	PL10	Z	.1	.1	0	0
95	PL11	Z	1.6	1.6	0	0
96	PL12	Z	.1	.1	0	0
97	PL13	Z	1.6	1.6	0	0
98	PL14	Z	.1	.1	0	0
99	PL15	Z	1.6	1.6	0	0
100	PL16	Z	.1	.1	0	0
101	PL17	Z	1.6	1.6	0	0
102	PL18	Z	.1	.1	0	0
103	PL19	Z	1.6	1.6	0	0
104	PL20	Z	2.8	2.8	0	0
105	PL21	Z	1.6	1.6	0	0
106	PL22	Z	2.8	2.8	0	0
107	PL23	Z	1.6	1.6	0	0
108	PL24	Z	2.8	2.8	0	0
109	PL25	Z	3.2	3.2	0	0
110	PL26	Z	2.7	2.7	0	0
111	PL27	Z	3.2	3.2	0	0
112	PL28	Z	2.7	2.7	0	0
113	PL29	Z	3.2	3.2	0	0
114	PL30	Z	2.7	2.7	0	0
115	PL31	Z	3.2	3.2	0	0
116	PL32	Z	2.7	2.7	0	0
117	PL33	Z	3.2	3.2	0	0
118	PL34	Z	2.7	2.7	0	0
119	PL35	Z	3.2	3.2	0	0
120	PL36	Z	2.7	2.7	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1-1A	X	0	0	0	0
2	BRACE-1-1B	X	0	0	0	0
3	BRACE-1-2A	X	0	0	0	0
4	BRACE-1-2B	X	0	0	0	0
5	BRACE-2-1A	X	0	0	0	0
6	BRACE-2-1B	X	0	0	0	0
7	BRACE-2-2A	X	0	0	0	0
8	BRACE-2-2B	X	0	0	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
9	BRACE-3-1A	X	0	0	0	0
10	BRACE-3-1B	X	0	0	0	0
11	BRACE-3-2A	X	0	0	0	0
12	BRACE-3-2B	X	0	0	0	0
13	FM-0	X	0	0	0	0
14	FM-120	X	0	0	0	0
15	FM-240	X	0	0	0	0
16	HR-0	X	0	0	0	0
17	HR-120	X	0	0	0	0
18	HR-240	X	0	0	0	0
19	HR-BRACE-1	X	0	0	0	0
20	HR-BRACE-2	X	0	0	0	0
21	HR-BRACE-3	X	0	0	0	0
22	SA-1	X	0	0	0	0
23	SA-2	X	0	0	0	0
24	SA-3	X	0	0	0	0
25	PL1	X	0	0	0	0
26	PL2	X	0	0	0	0
27	PL3	X	0	0	0	0
28	PL4	X	0	0	0	0
29	PL5	X	0	0	0	0
30	PL6	X	0	0	0	0
31	PL7	X	0	0	0	0
32	PL8	X	0	0	0	0
33	PL9	X	0	0	0	0
34	PL10	X	0	0	0	0
35	PL11	X	0	0	0	0
36	PL12	X	0	0	0	0
37	PL13	X	0	0	0	0
38	PL14	X	0	0	0	0
39	PL15	X	0	0	0	0
40	PL16	X	0	0	0	0
41	PL17	X	0	0	0	0
42	PL18	X	0	0	0	0
43	PL19	X	0	0	0	0
44	PL20	X	0	0	0	0
45	PL21	X	0	0	0	0
46	PL22	X	0	0	0	0
47	PL23	X	0	0	0	0
48	PL24	X	0	0	0	0
49	PL25	X	0	0	0	0
50	PL26	X	0	0	0	0
51	PL27	X	0	0	0	0
52	PL28	X	0	0	0	0
53	PL29	X	0	0	0	0
54	PL30	X	0	0	0	0
55	PL31	X	0	0	0	0
56	PL32	X	0	0	0	0
57	PL33	X	0	0	0	0
58	PL34	X	0	0	0	0
59	PL35	X	0	0	0	0
60	PL36	X	0	0	0	0
61	BRACE-1-1A	Z	2.7	2.7	0	0
62	BRACE-1-1B	Z	2.7	2.7	0	0
63	BRACE-1-2A	Z	2.6	2.6	0	0
64	BRACE-1-2B	Z	2.6	2.6	0	0
65	BRACE-2-1A	Z	2.7	2.7	0	0
66	BRACE-2-1B	Z	2.7	2.7	0	0
67	BRACE-2-2A	Z	2.6	2.6	0	0
68	BRACE-2-2B	Z	2.6	2.6	0	0
69	BRACE-3-1A	Z	0	0	0	0
70	BRACE-3-1B	Z	0	0	0	0
71	BRACE-3-2A	Z	0	0	0	0
72	BRACE-3-2B	Z	0	0	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
73	FM-0	Z	0	0	0	0
74	FM-120	Z	2.3	2.3	0	0
75	FM-240	Z	2.3	2.3	0	0
76	HR-0	Z	0	0	0	0
77	HR-120	Z	2.1	2.1	0	0
78	HR-240	Z	2.1	2.1	0	0
79	HR-BRACE-1	Z	2.4	2.4	0	0
80	HR-BRACE-2	Z	2.4	2.4	0	0
81	HR-BRACE-3	Z	0	0	0	0
82	SA-1	Z	1.2	1.2	0	0
83	SA-2	Z	1.2	1.2	0	0
84	SA-3	Z	2.5	2.5	0	0
85	PL1	Z	0	0	0	0
86	PL2	Z	1.9	1.9	0	0
87	PL3	Z	0	0	0	0
88	PL4	Z	1.9	1.9	0	0
89	PL5	Z	0	0	0	0
90	PL6	Z	1.9	1.9	0	0
91	PL7	Z	0	0	0	0
92	PL8	Z	1.9	1.9	0	0
93	PL9	Z	0	0	0	0
94	PL10	Z	1.9	1.9	0	0
95	PL11	Z	0	0	0	0
96	PL12	Z	1.9	1.9	0	0
97	PL13	Z	3.2	3.2	0	0
98	PL14	Z	1.7	1.7	0	0
99	PL15	Z	3.2	3.2	0	0
100	PL16	Z	1.7	1.7	0	0
101	PL17	Z	3.2	3.2	0	0
102	PL18	Z	1.7	1.7	0	0
103	PL19	Z	3.2	3.2	0	0
104	PL20	Z	3.7	3.7	0	0
105	PL21	Z	3.2	3.2	0	0
106	PL22	Z	3.7	3.7	0	0
107	PL23	Z	3.2	3.2	0	0
108	PL24	Z	3.7	3.7	0	0
109	PL25	Z	3.2	3.2	0	0
110	PL26	Z	3.7	3.7	0	0
111	PL27	Z	3.2	3.2	0	0
112	PL28	Z	3.7	3.7	0	0
113	PL29	Z	3.2	3.2	0	0
114	PL30	Z	3.7	3.7	0	0
115	PL31	Z	3.2	3.2	0	0
116	PL32	Z	1.7	1.7	0	0
117	PL33	Z	3.2	3.2	0	0
118	PL34	Z	1.7	1.7	0	0
119	PL35	Z	3.2	3.2	0	0
120	PL36	Z	1.7	1.7	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1-1A	X	-1.6	-1.6	0	0
2	BRACE-1-1B	X	-1.6	-1.6	0	0
3	BRACE-1-2A	X	-1.5	-1.5	0	0
4	BRACE-1-2B	X	-1.5	-1.5	0	0
5	BRACE-2-1A	X	-.8	-.8	0	0
6	BRACE-2-1B	X	-.8	-.8	0	0
7	BRACE-2-2A	X	-.7	-.7	0	0
8	BRACE-2-2B	X	-.7	-.7	0	0
9	BRACE-3-1A	X	-.8	-.8	0	0
10	BRACE-3-1B	X	-.8	-.8	0	0
11	BRACE-3-2A	X	-.7	-.7	0	0
12	BRACE-3-2B	X	-.7	-.7	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
13	FM-0	X	-.7	-.7	0	0
14	FM-120	X	-1.4	-1.4	0	0
15	FM-240	X	-.7	-.7	0	0
16	HR-0	X	-.6	-.6	0	0
17	HR-120	X	-1.2	-1.2	0	0
18	HR-240	X	-.6	-.6	0	0
19	HR-BRACE-1	X	-1.4	-1.4	0	0
20	HR-BRACE-2	X	-.7	-.7	0	0
21	HR-BRACE-3	X	-.7	-.7	0	0
22	SA-1	X	0	0	0	0
23	SA-2	X	-1.1	-1.1	0	0
24	SA-3	X	-1.1	-1.1	0	0
25	PL1	X	-.9	-.9	0	0
26	PL2	X	0	0	0	0
27	PL3	X	-.9	-.9	0	0
28	PL4	X	0	0	0	0
29	PL5	X	-.9	-.9	0	0
30	PL6	X	0	0	0	0
31	PL7	X	-.9	-.9	0	0
32	PL8	X	-1.6	-1.6	0	0
33	PL9	X	-.9	-.9	0	0
34	PL10	X	-1.6	-1.6	0	0
35	PL11	X	-.9	-.9	0	0
36	PL12	X	-1.6	-1.6	0	0
37	PL13	X	-1.8	-1.8	0	0
38	PL14	X	-1.6	-1.6	0	0
39	PL15	X	-1.8	-1.8	0	0
40	PL16	X	-1.6	-1.6	0	0
41	PL17	X	-1.8	-1.8	0	0
42	PL18	X	-1.6	-1.6	0	0
43	PL19	X	-1.8	-1.8	0	0
44	PL20	X	-1.6	-1.6	0	0
45	PL21	X	-1.8	-1.8	0	0
46	PL22	X	-1.6	-1.6	0	0
47	PL23	X	-1.8	-1.8	0	0
48	PL24	X	-1.6	-1.6	0	0
49	PL25	X	-.9	-.9	0	0
50	PL26	X	-1.6	-1.6	0	0
51	PL27	X	-.9	-.9	0	0
52	PL28	X	-1.6	-1.6	0	0
53	PL29	X	-.9	-.9	0	0
54	PL30	X	-1.6	-1.6	0	0
55	PL31	X	-.9	-.9	0	0
56	PL32	X	0	0	0	0
57	PL33	X	-.9	-.9	0	0
58	PL34	X	0	0	0	0
59	PL35	X	-.9	-.9	0	0
60	PL36	X	0	0	0	0
61	BRACE-1-1A	Z	2.7	2.7	0	0
62	BRACE-1-1B	Z	2.7	2.7	0	0
63	BRACE-1-2A	Z	2.6	2.6	0	0
64	BRACE-1-2B	Z	2.6	2.6	0	0
65	BRACE-2-1A	Z	1.4	1.4	0	0
66	BRACE-2-1B	Z	1.4	1.4	0	0
67	BRACE-2-2A	Z	1.3	1.3	0	0
68	BRACE-2-2B	Z	1.3	1.3	0	0
69	BRACE-3-1A	Z	1.4	1.4	0	0
70	BRACE-3-1B	Z	1.4	1.4	0	0
71	BRACE-3-2A	Z	1.3	1.3	0	0
72	BRACE-3-2B	Z	1.3	1.3	0	0
73	FM-0	Z	1.2	1.2	0	0
74	FM-120	Z	2.3	2.3	0	0
75	FM-240	Z	1.2	1.2	0	0
76	HR-0	Z	1.1	1.1	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
77	HR-120	Z	2.1	2.1	0	0
78	HR-240	Z	1.1	1.1	0	0
79	HR-BRACE-1	Z	2.4	2.4	0	0
80	HR-BRACE-2	Z	1.2	1.2	0	0
81	HR-BRACE-3	Z	1.2	1.2	0	0
82	SA-1	Z	0	0	0	0
83	SA-2	Z	1.9	1.9	0	0
84	SA-3	Z	1.9	1.9	0	0
85	PL1	Z	1.6	1.6	0	0
86	PL2	Z	.1	.1	0	0
87	PL3	Z	1.6	1.6	0	0
88	PL4	Z	.1	.1	0	0
89	PL5	Z	1.6	1.6	0	0
90	PL6	Z	.1	.1	0	0
91	PL7	Z	1.6	1.6	0	0
92	PL8	Z	2.8	2.8	0	0
93	PL9	Z	1.6	1.6	0	0
94	PL10	Z	2.8	2.8	0	0
95	PL11	Z	1.6	1.6	0	0
96	PL12	Z	2.8	2.8	0	0
97	PL13	Z	3.2	3.2	0	0
98	PL14	Z	2.7	2.7	0	0
99	PL15	Z	3.2	3.2	0	0
100	PL16	Z	2.7	2.7	0	0
101	PL17	Z	3.2	3.2	0	0
102	PL18	Z	2.7	2.7	0	0
103	PL19	Z	3.2	3.2	0	0
104	PL20	Z	2.7	2.7	0	0
105	PL21	Z	3.2	3.2	0	0
106	PL22	Z	2.7	2.7	0	0
107	PL23	Z	3.2	3.2	0	0
108	PL24	Z	2.7	2.7	0	0
109	PL25	Z	1.6	1.6	0	0
110	PL26	Z	2.8	2.8	0	0
111	PL27	Z	1.6	1.6	0	0
112	PL28	Z	2.8	2.8	0	0
113	PL29	Z	1.6	1.6	0	0
114	PL30	Z	2.8	2.8	0	0
115	PL31	Z	1.6	1.6	0	0
116	PL32	Z	.1	.1	0	0
117	PL33	Z	1.6	1.6	0	0
118	PL34	Z	.1	.1	0	0
119	PL35	Z	1.6	1.6	0	0
120	PL36	Z	.1	.1	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1-1A	X	-2.4	-2.4	0	0
2	BRACE-1-1B	X	-2.4	-2.4	0	0
3	BRACE-1-2A	X	-2.2	-2.2	0	0
4	BRACE-1-2B	X	-2.2	-2.2	0	0
5	BRACE-2-1A	X	0	0	0	0
6	BRACE-2-1B	X	0	0	0	0
7	BRACE-2-2A	X	0	0	0	0
8	BRACE-2-2B	X	0	0	0	0
9	BRACE-3-1A	X	-2.4	-2.4	0	0
10	BRACE-3-1B	X	-2.4	-2.4	0	0
11	BRACE-3-2A	X	-2.2	-2.2	0	0
12	BRACE-3-2B	X	-2.2	-2.2	0	0
13	FM-0	X	-2	-2	0	0
14	FM-120	X	-2	-2	0	0
15	FM-240	X	0	0	0	0
16	HR-0	X	-1.8	-1.8	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
17	HR-120	X	-1.8	-1.8	0	0
18	HR-240	X	0	0	0	0
19	HR-BRACE-1	X	-2.1	-2.1	0	0
20	HR-BRACE-2	X	0	0	0	0
21	HR-BRACE-3	X	-2.1	-2.1	0	0
22	SA-1	X	-1.1	-1.1	0	0
23	SA-2	X	-2.2	-2.2	0	0
24	SA-3	X	-1.1	-1.1	0	0
25	PL1	X	-2.7	-2.7	0	0
26	PL2	X	-1.5	-1.5	0	0
27	PL3	X	-2.7	-2.7	0	0
28	PL4	X	-1.5	-1.5	0	0
29	PL5	X	-2.7	-2.7	0	0
30	PL6	X	-1.5	-1.5	0	0
31	PL7	X	-2.7	-2.7	0	0
32	PL8	X	-3.2	-3.2	0	0
33	PL9	X	-2.7	-2.7	0	0
34	PL10	X	-3.2	-3.2	0	0
35	PL11	X	-2.7	-2.7	0	0
36	PL12	X	-3.2	-3.2	0	0
37	PL13	X	-2.7	-2.7	0	0
38	PL14	X	-3.2	-3.2	0	0
39	PL15	X	-2.7	-2.7	0	0
40	PL16	X	-3.2	-3.2	0	0
41	PL17	X	-2.7	-2.7	0	0
42	PL18	X	-3.2	-3.2	0	0
43	PL19	X	-2.7	-2.7	0	0
44	PL20	X	-1.5	-1.5	0	0
45	PL21	X	-2.7	-2.7	0	0
46	PL22	X	-1.5	-1.5	0	0
47	PL23	X	-2.7	-2.7	0	0
48	PL24	X	-1.5	-1.5	0	0
49	PL25	X	0	0	0	0
50	PL26	X	-1.7	-1.7	0	0
51	PL27	X	0	0	0	0
52	PL28	X	-1.7	-1.7	0	0
53	PL29	X	0	0	0	0
54	PL30	X	-1.7	-1.7	0	0
55	PL31	X	0	0	0	0
56	PL32	X	-1.7	-1.7	0	0
57	PL33	X	0	0	0	0
58	PL34	X	-1.7	-1.7	0	0
59	PL35	X	0	0	0	0
60	PL36	X	-1.7	-1.7	0	0
61	BRACE-1-1A	Z	1.4	1.4	0	0
62	BRACE-1-1B	Z	1.4	1.4	0	0
63	BRACE-1-2A	Z	1.3	1.3	0	0
64	BRACE-1-2B	Z	1.3	1.3	0	0
65	BRACE-2-1A	Z	0	0	0	0
66	BRACE-2-1B	Z	0	0	0	0
67	BRACE-2-2A	Z	0	0	0	0
68	BRACE-2-2B	Z	0	0	0	0
69	BRACE-3-1A	Z	1.4	1.4	0	0
70	BRACE-3-1B	Z	1.4	1.4	0	0
71	BRACE-3-2A	Z	1.3	1.3	0	0
72	BRACE-3-2B	Z	1.3	1.3	0	0
73	FM-0	Z	1.2	1.2	0	0
74	FM-120	Z	1.2	1.2	0	0
75	FM-240	Z	0	0	0	0
76	HR-0	Z	1.1	1.1	0	0
77	HR-120	Z	1.1	1.1	0	0
78	HR-240	Z	0	0	0	0
79	HR-BRACE-1	Z	1.2	1.2	0	0
80	HR-BRACE-2	Z	0	0	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
81	HR-BRACE-3	Z	1.2	1.2	0	0
82	SA-1	Z	.6	.6	0	0
83	SA-2	Z	1.2	1.2	0	0
84	SA-3	Z	.6	.6	0	0
85	PL1	Z	1.6	1.6	0	0
86	PL2	Z	.9	.9	0	0
87	PL3	Z	1.6	1.6	0	0
88	PL4	Z	.9	.9	0	0
89	PL5	Z	1.6	1.6	0	0
90	PL6	Z	.9	.9	0	0
91	PL7	Z	1.6	1.6	0	0
92	PL8	Z	1.8	1.8	0	0
93	PL9	Z	1.6	1.6	0	0
94	PL10	Z	1.8	1.8	0	0
95	PL11	Z	1.6	1.6	0	0
96	PL12	Z	1.8	1.8	0	0
97	PL13	Z	1.6	1.6	0	0
98	PL14	Z	1.8	1.8	0	0
99	PL15	Z	1.6	1.6	0	0
100	PL16	Z	1.8	1.8	0	0
101	PL17	Z	1.6	1.6	0	0
102	PL18	Z	1.8	1.8	0	0
103	PL19	Z	1.6	1.6	0	0
104	PL20	Z	.9	.9	0	0
105	PL21	Z	1.6	1.6	0	0
106	PL22	Z	.9	.9	0	0
107	PL23	Z	1.6	1.6	0	0
108	PL24	Z	.9	.9	0	0
109	PL25	Z	0	0	0	0
110	PL26	Z	1	1	0	0
111	PL27	Z	0	0	0	0
112	PL28	Z	1	1	0	0
113	PL29	Z	0	0	0	0
114	PL30	Z	1	1	0	0
115	PL31	Z	0	0	0	0
116	PL32	Z	1	1	0	0
117	PL33	Z	0	0	0	0
118	PL34	Z	1	1	0	0
119	PL35	Z	0	0	0	0
120	PL36	Z	1	1	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1-1A	X	-1.6	-1.6	0	0
2	BRACE-1-1B	X	-1.6	-1.6	0	0
3	BRACE-1-2A	X	-1.5	-1.5	0	0
4	BRACE-1-2B	X	-1.5	-1.5	0	0
5	BRACE-2-1A	X	-1.6	-1.6	0	0
6	BRACE-2-1B	X	-1.6	-1.6	0	0
7	BRACE-2-2A	X	-1.5	-1.5	0	0
8	BRACE-2-2B	X	-1.5	-1.5	0	0
9	BRACE-3-1A	X	-3.2	-3.2	0	0
10	BRACE-3-1B	X	-3.2	-3.2	0	0
11	BRACE-3-2A	X	-3	-3	0	0
12	BRACE-3-2B	X	-3	-3	0	0
13	FM-0	X	-2.7	-2.7	0	0
14	FM-120	X	-1.4	-1.4	0	0
15	FM-240	X	-1.4	-1.4	0	0
16	HR-0	X	-2.4	-2.4	0	0
17	HR-120	X	-1.2	-1.2	0	0
18	HR-240	X	-1.2	-1.2	0	0
19	HR-BRACE-1	X	-1.4	-1.4	0	0
20	HR-BRACE-2	X	-1.4	-1.4	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
21	HR-BRACE-3	X	-2.8	-2.8	0	0
22	SA-1	X	-2.2	-2.2	0	0
23	SA-2	X	-2.2	-2.2	0	0
24	SA-3	X	0	0	0	0
25	PL1	X	-3.7	-3.7	0	0
26	PL2	X	-3.1	-3.1	0	0
27	PL3	X	-3.7	-3.7	0	0
28	PL4	X	-3.1	-3.1	0	0
29	PL5	X	-3.7	-3.7	0	0
30	PL6	X	-3.1	-3.1	0	0
31	PL7	X	-3.7	-3.7	0	0
32	PL8	X	-3.1	-3.1	0	0
33	PL9	X	-3.7	-3.7	0	0
34	PL10	X	-3.1	-3.1	0	0
35	PL11	X	-3.7	-3.7	0	0
36	PL12	X	-3.1	-3.1	0	0
37	PL13	X	-1.8	-1.8	0	0
38	PL14	X	-3.2	-3.2	0	0
39	PL15	X	-1.8	-1.8	0	0
40	PL16	X	-3.2	-3.2	0	0
41	PL17	X	-1.8	-1.8	0	0
42	PL18	X	-3.2	-3.2	0	0
43	PL19	X	-1.8	-1.8	0	0
44	PL20	X	-.1	-.1	0	0
45	PL21	X	-1.8	-1.8	0	0
46	PL22	X	-.1	-.1	0	0
47	PL23	X	-1.8	-1.8	0	0
48	PL24	X	-.1	-.1	0	0
49	PL25	X	-1.8	-1.8	0	0
50	PL26	X	-.1	-.1	0	0
51	PL27	X	-1.8	-1.8	0	0
52	PL28	X	-.1	-.1	0	0
53	PL29	X	-1.8	-1.8	0	0
54	PL30	X	-.1	-.1	0	0
55	PL31	X	-1.8	-1.8	0	0
56	PL32	X	-3.2	-3.2	0	0
57	PL33	X	-1.8	-1.8	0	0
58	PL34	X	-3.2	-3.2	0	0
59	PL35	X	-1.8	-1.8	0	0
60	PL36	X	-3.2	-3.2	0	0
61	BRACE-1-1A	Z	0	0	0	0
62	BRACE-1-1B	Z	0	0	0	0
63	BRACE-1-2A	Z	0	0	0	0
64	BRACE-1-2B	Z	0	0	0	0
65	BRACE-2-1A	Z	0	0	0	0
66	BRACE-2-1B	Z	0	0	0	0
67	BRACE-2-2A	Z	0	0	0	0
68	BRACE-2-2B	Z	0	0	0	0
69	BRACE-3-1A	Z	0	0	0	0
70	BRACE-3-1B	Z	0	0	0	0
71	BRACE-3-2A	Z	0	0	0	0
72	BRACE-3-2B	Z	0	0	0	0
73	FM-0	Z	0	0	0	0
74	FM-120	Z	0	0	0	0
75	FM-240	Z	0	0	0	0
76	HR-0	Z	0	0	0	0
77	HR-120	Z	0	0	0	0
78	HR-240	Z	0	0	0	0
79	HR-BRACE-1	Z	0	0	0	0
80	HR-BRACE-2	Z	0	0	0	0
81	HR-BRACE-3	Z	0	0	0	0
82	SA-1	Z	0	0	0	0
83	SA-2	Z	0	0	0	0
84	SA-3	Z	0	0	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
85	PL1	Z	0	0	0	0
86	PL2	Z	0	0	0	0
87	PL3	Z	0	0	0	0
88	PL4	Z	0	0	0	0
89	PL5	Z	0	0	0	0
90	PL6	Z	0	0	0	0
91	PL7	Z	0	0	0	0
92	PL8	Z	0	0	0	0
93	PL9	Z	0	0	0	0
94	PL10	Z	0	0	0	0
95	PL11	Z	0	0	0	0
96	PL12	Z	0	0	0	0
97	PL13	Z	0	0	0	0
98	PL14	Z	0	0	0	0
99	PL15	Z	0	0	0	0
100	PL16	Z	0	0	0	0
101	PL17	Z	0	0	0	0
102	PL18	Z	0	0	0	0
103	PL19	Z	0	0	0	0
104	PL20	Z	0	0	0	0
105	PL21	Z	0	0	0	0
106	PL22	Z	0	0	0	0
107	PL23	Z	0	0	0	0
108	PL24	Z	0	0	0	0
109	PL25	Z	0	0	0	0
110	PL26	Z	0	0	0	0
111	PL27	Z	0	0	0	0
112	PL28	Z	0	0	0	0
113	PL29	Z	0	0	0	0
114	PL30	Z	0	0	0	0
115	PL31	Z	0	0	0	0
116	PL32	Z	0	0	0	0
117	PL33	Z	0	0	0	0
118	PL34	Z	0	0	0	0
119	PL35	Z	0	0	0	0
120	PL36	Z	0	0	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1-1A	X	0	0	0	0
2	BRACE-1-1B	X	0	0	0	0
3	BRACE-1-2A	X	0	0	0	0
4	BRACE-1-2B	X	0	0	0	0
5	BRACE-2-1A	X	-2.4	-2.4	0	0
6	BRACE-2-1B	X	-2.4	-2.4	0	0
7	BRACE-2-2A	X	-2.2	-2.2	0	0
8	BRACE-2-2B	X	-2.2	-2.2	0	0
9	BRACE-3-1A	X	-2.4	-2.4	0	0
10	BRACE-3-1B	X	-2.4	-2.4	0	0
11	BRACE-3-2A	X	-2.2	-2.2	0	0
12	BRACE-3-2B	X	-2.2	-2.2	0	0
13	FM-0	X	-2	-2	0	0
14	FM-120	X	0	0	0	0
15	FM-240	X	-2	-2	0	0
16	HR-0	X	-1.8	-1.8	0	0
17	HR-120	X	0	0	0	0
18	HR-240	X	-1.8	-1.8	0	0
19	HR-BRACE-1	X	0	0	0	0
20	HR-BRACE-2	X	-2.1	-2.1	0	0
21	HR-BRACE-3	X	-2.1	-2.1	0	0
22	SA-1	X	-2.2	-2.2	0	0
23	SA-2	X	-1.1	-1.1	0	0
24	SA-3	X	-1.1	-1.1	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
25	PL1	X	-2.7	-2.7	0	0
26	PL2	X	-3.2	-3.2	0	0
27	PL3	X	-2.7	-2.7	0	0
28	PL4	X	-3.2	-3.2	0	0
29	PL5	X	-2.7	-2.7	0	0
30	PL6	X	-3.2	-3.2	0	0
31	PL7	X	-2.7	-2.7	0	0
32	PL8	X	-1.5	-1.5	0	0
33	PL9	X	-2.7	-2.7	0	0
34	PL10	X	-1.5	-1.5	0	0
35	PL11	X	-2.7	-2.7	0	0
36	PL12	X	-1.5	-1.5	0	0
37	PL13	X	0	0	0	0
38	PL14	X	-1.7	-1.7	0	0
39	PL15	X	0	0	0	0
40	PL16	X	-1.7	-1.7	0	0
41	PL17	X	0	0	0	0
42	PL18	X	-1.7	-1.7	0	0
43	PL19	X	0	0	0	0
44	PL20	X	-1.7	-1.7	0	0
45	PL21	X	0	0	0	0
46	PL22	X	-1.7	-1.7	0	0
47	PL23	X	0	0	0	0
48	PL24	X	-1.7	-1.7	0	0
49	PL25	X	-2.7	-2.7	0	0
50	PL26	X	-1.5	-1.5	0	0
51	PL27	X	-2.7	-2.7	0	0
52	PL28	X	-1.5	-1.5	0	0
53	PL29	X	-2.7	-2.7	0	0
54	PL30	X	-1.5	-1.5	0	0
55	PL31	X	-2.7	-2.7	0	0
56	PL32	X	-3.2	-3.2	0	0
57	PL33	X	-2.7	-2.7	0	0
58	PL34	X	-3.2	-3.2	0	0
59	PL35	X	-2.7	-2.7	0	0
60	PL36	X	-3.2	-3.2	0	0
61	BRACE-1-1A	Z	0	0	0	0
62	BRACE-1-1B	Z	0	0	0	0
63	BRACE-1-2A	Z	0	0	0	0
64	BRACE-1-2B	Z	0	0	0	0
65	BRACE-2-1A	Z	-1.4	-1.4	0	0
66	BRACE-2-1B	Z	-1.4	-1.4	0	0
67	BRACE-2-2A	Z	-1.3	-1.3	0	0
68	BRACE-2-2B	Z	-1.3	-1.3	0	0
69	BRACE-3-1A	Z	-1.4	-1.4	0	0
70	BRACE-3-1B	Z	-1.4	-1.4	0	0
71	BRACE-3-2A	Z	-1.3	-1.3	0	0
72	BRACE-3-2B	Z	-1.3	-1.3	0	0
73	FM-0	Z	-1.2	-1.2	0	0
74	FM-120	Z	0	0	0	0
75	FM-240	Z	-1.2	-1.2	0	0
76	HR-0	Z	-1.1	-1.1	0	0
77	HR-120	Z	0	0	0	0
78	HR-240	Z	-1.1	-1.1	0	0
79	HR-BRACE-1	Z	0	0	0	0
80	HR-BRACE-2	Z	-1.2	-1.2	0	0
81	HR-BRACE-3	Z	-1.2	-1.2	0	0
82	SA-1	Z	-1.2	-1.2	0	0
83	SA-2	Z	-.6	-.6	0	0
84	SA-3	Z	-.6	-.6	0	0
85	PL1	Z	-1.6	-1.6	0	0
86	PL2	Z	-1.8	-1.8	0	0
87	PL3	Z	-1.6	-1.6	0	0
88	PL4	Z	-1.8	-1.8	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
89	PL5	Z	-1.6	-1.6	0	0
90	PL6	Z	-1.8	-1.8	0	0
91	PL7	Z	-1.6	-1.6	0	0
92	PL8	Z	-.9	-.9	0	0
93	PL9	Z	-1.6	-1.6	0	0
94	PL10	Z	-.9	-.9	0	0
95	PL11	Z	-1.6	-1.6	0	0
96	PL12	Z	-.9	-.9	0	0
97	PL13	Z	0	0	0	0
98	PL14	Z	-1	-1	0	0
99	PL15	Z	0	0	0	0
100	PL16	Z	-1	-1	0	0
101	PL17	Z	0	0	0	0
102	PL18	Z	-1	-1	0	0
103	PL19	Z	0	0	0	0
104	PL20	Z	-1	-1	0	0
105	PL21	Z	0	0	0	0
106	PL22	Z	-1	-1	0	0
107	PL23	Z	0	0	0	0
108	PL24	Z	-1	-1	0	0
109	PL25	Z	-1.6	-1.6	0	0
110	PL26	Z	-.9	-.9	0	0
111	PL27	Z	-1.6	-1.6	0	0
112	PL28	Z	-.9	-.9	0	0
113	PL29	Z	-1.6	-1.6	0	0
114	PL30	Z	-.9	-.9	0	0
115	PL31	Z	-1.6	-1.6	0	0
116	PL32	Z	-1.8	-1.8	0	0
117	PL33	Z	-1.6	-1.6	0	0
118	PL34	Z	-1.8	-1.8	0	0
119	PL35	Z	-1.6	-1.6	0	0
120	PL36	Z	-1.8	-1.8	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1-1A	X	-.8	-.8	0	0
2	BRACE-1-1B	X	-.8	-.8	0	0
3	BRACE-1-2A	X	-.7	-.7	0	0
4	BRACE-1-2B	X	-.7	-.7	0	0
5	BRACE-2-1A	X	-1.6	-1.6	0	0
6	BRACE-2-1B	X	-1.6	-1.6	0	0
7	BRACE-2-2A	X	-1.5	-1.5	0	0
8	BRACE-2-2B	X	-1.5	-1.5	0	0
9	BRACE-3-1A	X	-.8	-.8	0	0
10	BRACE-3-1B	X	-.8	-.8	0	0
11	BRACE-3-2A	X	-.7	-.7	0	0
12	BRACE-3-2B	X	-.7	-.7	0	0
13	FM-0	X	-.7	-.7	0	0
14	FM-120	X	-.7	-.7	0	0
15	FM-240	X	-1.4	-1.4	0	0
16	HR-0	X	-.6	-.6	0	0
17	HR-120	X	-.6	-.6	0	0
18	HR-240	X	-1.2	-1.2	0	0
19	HR-BRACE-1	X	-.7	-.7	0	0
20	HR-BRACE-2	X	-1.4	-1.4	0	0
21	HR-BRACE-3	X	-.7	-.7	0	0
22	SA-1	X	-1.1	-1.1	0	0
23	SA-2	X	0	0	0	0
24	SA-3	X	-1.1	-1.1	0	0
25	PL1	X	-.9	-.9	0	0
26	PL2	X	-1.6	-1.6	0	0
27	PL3	X	-.9	-.9	0	0
28	PL4	X	-1.6	-1.6	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
29	PL5	X	-.9	-.9	0	0
30	PL6	X	-1.6	-1.6	0	0
31	PL7	X	-.9	-.9	0	0
32	PL8	X	0	0	0	0
33	PL9	X	-.9	-.9	0	0
34	PL10	X	0	0	0	0
35	PL11	X	-.9	-.9	0	0
36	PL12	X	0	0	0	0
37	PL13	X	-.9	-.9	0	0
38	PL14	X	0	0	0	0
39	PL15	X	-.9	-.9	0	0
40	PL16	X	0	0	0	0
41	PL17	X	-.9	-.9	0	0
42	PL18	X	0	0	0	0
43	PL19	X	-.9	-.9	0	0
44	PL20	X	-1.6	-1.6	0	0
45	PL21	X	-.9	-.9	0	0
46	PL22	X	-1.6	-1.6	0	0
47	PL23	X	-.9	-.9	0	0
48	PL24	X	-1.6	-1.6	0	0
49	PL25	X	-1.8	-1.8	0	0
50	PL26	X	-1.6	-1.6	0	0
51	PL27	X	-1.8	-1.8	0	0
52	PL28	X	-1.6	-1.6	0	0
53	PL29	X	-1.8	-1.8	0	0
54	PL30	X	-1.6	-1.6	0	0
55	PL31	X	-1.8	-1.8	0	0
56	PL32	X	-1.6	-1.6	0	0
57	PL33	X	-1.8	-1.8	0	0
58	PL34	X	-1.6	-1.6	0	0
59	PL35	X	-1.8	-1.8	0	0
60	PL36	X	-1.6	-1.6	0	0
61	BRACE-1-1A	Z	-1.4	-1.4	0	0
62	BRACE-1-1B	Z	-1.4	-1.4	0	0
63	BRACE-1-2A	Z	-1.3	-1.3	0	0
64	BRACE-1-2B	Z	-1.3	-1.3	0	0
65	BRACE-2-1A	Z	-2.7	-2.7	0	0
66	BRACE-2-1B	Z	-2.7	-2.7	0	0
67	BRACE-2-2A	Z	-2.6	-2.6	0	0
68	BRACE-2-2B	Z	-2.6	-2.6	0	0
69	BRACE-3-1A	Z	-1.4	-1.4	0	0
70	BRACE-3-1B	Z	-1.4	-1.4	0	0
71	BRACE-3-2A	Z	-1.3	-1.3	0	0
72	BRACE-3-2B	Z	-1.3	-1.3	0	0
73	FM-0	Z	-1.2	-1.2	0	0
74	FM-120	Z	-1.2	-1.2	0	0
75	FM-240	Z	-2.3	-2.3	0	0
76	HR-0	Z	-1.1	-1.1	0	0
77	HR-120	Z	-1.1	-1.1	0	0
78	HR-240	Z	-2.1	-2.1	0	0
79	HR-BRACE-1	Z	-1.2	-1.2	0	0
80	HR-BRACE-2	Z	-2.4	-2.4	0	0
81	HR-BRACE-3	Z	-1.2	-1.2	0	0
82	SA-1	Z	-1.9	-1.9	0	0
83	SA-2	Z	0	0	0	0
84	SA-3	Z	-1.9	-1.9	0	0
85	PL1	Z	-1.6	-1.6	0	0
86	PL2	Z	-2.8	-2.8	0	0
87	PL3	Z	-1.6	-1.6	0	0
88	PL4	Z	-2.8	-2.8	0	0
89	PL5	Z	-1.6	-1.6	0	0
90	PL6	Z	-2.8	-2.8	0	0
91	PL7	Z	-1.6	-1.6	0	0
92	PL8	Z	-.1	-.1	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
93	PL9	Z	-1.6	-1.6	0	0
94	PL10	Z	-.1	-.1	0	0
95	PL11	Z	-1.6	-1.6	0	0
96	PL12	Z	-.1	-.1	0	0
97	PL13	Z	-1.6	-1.6	0	0
98	PL14	Z	-.1	-.1	0	0
99	PL15	Z	-1.6	-1.6	0	0
100	PL16	Z	-.1	-.1	0	0
101	PL17	Z	-1.6	-1.6	0	0
102	PL18	Z	-.1	-.1	0	0
103	PL19	Z	-1.6	-1.6	0	0
104	PL20	Z	-2.8	-2.8	0	0
105	PL21	Z	-1.6	-1.6	0	0
106	PL22	Z	-2.8	-2.8	0	0
107	PL23	Z	-1.6	-1.6	0	0
108	PL24	Z	-2.8	-2.8	0	0
109	PL25	Z	-3.2	-3.2	0	0
110	PL26	Z	-2.7	-2.7	0	0
111	PL27	Z	-3.2	-3.2	0	0
112	PL28	Z	-2.7	-2.7	0	0
113	PL29	Z	-3.2	-3.2	0	0
114	PL30	Z	-2.7	-2.7	0	0
115	PL31	Z	-3.2	-3.2	0	0
116	PL32	Z	-2.7	-2.7	0	0
117	PL33	Z	-3.2	-3.2	0	0
118	PL34	Z	-2.7	-2.7	0	0
119	PL35	Z	-3.2	-3.2	0	0
120	PL36	Z	-2.7	-2.7	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1-1A	X	0	0	0	0
2	BRACE-1-1B	X	0	0	0	0
3	BRACE-1-2A	X	0	0	0	0
4	BRACE-1-2B	X	0	0	0	0
5	BRACE-2-1A	X	0	0	0	0
6	BRACE-2-1B	X	0	0	0	0
7	BRACE-2-2A	X	0	0	0	0
8	BRACE-2-2B	X	0	0	0	0
9	BRACE-3-1A	X	0	0	0	0
10	BRACE-3-1B	X	0	0	0	0
11	BRACE-3-2A	X	0	0	0	0
12	BRACE-3-2B	X	0	0	0	0
13	FM-0	X	0	0	0	0
14	FM-120	X	0	0	0	0
15	FM-240	X	0	0	0	0
16	HR-0	X	0	0	0	0
17	HR-120	X	0	0	0	0
18	HR-240	X	0	0	0	0
19	HR-BRACE-1	X	0	0	0	0
20	HR-BRACE-2	X	0	0	0	0
21	HR-BRACE-3	X	0	0	0	0
22	SA-1	X	0	0	0	0
23	SA-2	X	0	0	0	0
24	SA-3	X	0	0	0	0
25	PL1	X	0	0	0	0
26	PL2	X	0	0	0	0
27	PL3	X	0	0	0	0
28	PL4	X	0	0	0	0
29	PL5	X	0	0	0	0
30	PL6	X	0	0	0	0
31	PL7	X	0	0	0	0
32	PL8	X	0	0	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
33	PL9	X	0	0	0	0
34	PL10	X	0	0	0	0
35	PL11	X	0	0	0	0
36	PL12	X	0	0	0	0
37	PL13	X	0	0	0	0
38	PL14	X	0	0	0	0
39	PL15	X	0	0	0	0
40	PL16	X	0	0	0	0
41	PL17	X	0	0	0	0
42	PL18	X	0	0	0	0
43	PL19	X	0	0	0	0
44	PL20	X	0	0	0	0
45	PL21	X	0	0	0	0
46	PL22	X	0	0	0	0
47	PL23	X	0	0	0	0
48	PL24	X	0	0	0	0
49	PL25	X	0	0	0	0
50	PL26	X	0	0	0	0
51	PL27	X	0	0	0	0
52	PL28	X	0	0	0	0
53	PL29	X	0	0	0	0
54	PL30	X	0	0	0	0
55	PL31	X	0	0	0	0
56	PL32	X	0	0	0	0
57	PL33	X	0	0	0	0
58	PL34	X	0	0	0	0
59	PL35	X	0	0	0	0
60	PL36	X	0	0	0	0
61	BRACE-1-1A	Z	-2.7	-2.7	0	0
62	BRACE-1-1B	Z	-2.7	-2.7	0	0
63	BRACE-1-2A	Z	-2.6	-2.6	0	0
64	BRACE-1-2B	Z	-2.6	-2.6	0	0
65	BRACE-2-1A	Z	-2.7	-2.7	0	0
66	BRACE-2-1B	Z	-2.7	-2.7	0	0
67	BRACE-2-2A	Z	-2.6	-2.6	0	0
68	BRACE-2-2B	Z	-2.6	-2.6	0	0
69	BRACE-3-1A	Z	0	0	0	0
70	BRACE-3-1B	Z	0	0	0	0
71	BRACE-3-2A	Z	0	0	0	0
72	BRACE-3-2B	Z	0	0	0	0
73	FM-0	Z	0	0	0	0
74	FM-120	Z	-2.3	-2.3	0	0
75	FM-240	Z	-2.3	-2.3	0	0
76	HR-0	Z	0	0	0	0
77	HR-120	Z	-2.1	-2.1	0	0
78	HR-240	Z	-2.1	-2.1	0	0
79	HR-BRACE-1	Z	-2.4	-2.4	0	0
80	HR-BRACE-2	Z	-2.4	-2.4	0	0
81	HR-BRACE-3	Z	0	0	0	0
82	SA-1	Z	-1.2	-1.2	0	0
83	SA-2	Z	-1.2	-1.2	0	0
84	SA-3	Z	-2.5	-2.5	0	0
85	PL1	Z	0	0	0	0
86	PL2	Z	-1.9	-1.9	0	0
87	PL3	Z	0	0	0	0
88	PL4	Z	-1.9	-1.9	0	0
89	PL5	Z	0	0	0	0
90	PL6	Z	-1.9	-1.9	0	0
91	PL7	Z	0	0	0	0
92	PL8	Z	-1.9	-1.9	0	0
93	PL9	Z	0	0	0	0
94	PL10	Z	-1.9	-1.9	0	0
95	PL11	Z	0	0	0	0
96	PL12	Z	-1.9	-1.9	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
97	PL13	Z	-3.2	-3.2	0	0
98	PL14	Z	-1.7	-1.7	0	0
99	PL15	Z	-3.2	-3.2	0	0
100	PL16	Z	-1.7	-1.7	0	0
101	PL17	Z	-3.2	-3.2	0	0
102	PL18	Z	-1.7	-1.7	0	0
103	PL19	Z	-3.2	-3.2	0	0
104	PL20	Z	-3.7	-3.7	0	0
105	PL21	Z	-3.2	-3.2	0	0
106	PL22	Z	-3.7	-3.7	0	0
107	PL23	Z	-3.2	-3.2	0	0
108	PL24	Z	-3.7	-3.7	0	0
109	PL25	Z	-3.2	-3.2	0	0
110	PL26	Z	-3.7	-3.7	0	0
111	PL27	Z	-3.2	-3.2	0	0
112	PL28	Z	-3.7	-3.7	0	0
113	PL29	Z	-3.2	-3.2	0	0
114	PL30	Z	-3.7	-3.7	0	0
115	PL31	Z	-3.2	-3.2	0	0
116	PL32	Z	-1.7	-1.7	0	0
117	PL33	Z	-3.2	-3.2	0	0
118	PL34	Z	-1.7	-1.7	0	0
119	PL35	Z	-3.2	-3.2	0	0
120	PL36	Z	-1.7	-1.7	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1-1A	X	1.6	1.6	0	0
2	BRACE-1-1B	X	1.6	1.6	0	0
3	BRACE-1-2A	X	1.5	1.5	0	0
4	BRACE-1-2B	X	1.5	1.5	0	0
5	BRACE-2-1A	X	.8	.8	0	0
6	BRACE-2-1B	X	.8	.8	0	0
7	BRACE-2-2A	X	.7	.7	0	0
8	BRACE-2-2B	X	.7	.7	0	0
9	BRACE-3-1A	X	.8	.8	0	0
10	BRACE-3-1B	X	.8	.8	0	0
11	BRACE-3-2A	X	.7	.7	0	0
12	BRACE-3-2B	X	.7	.7	0	0
13	FM-0	X	.7	.7	0	0
14	FM-120	X	1.4	1.4	0	0
15	FM-240	X	.7	.7	0	0
16	HR-0	X	.6	.6	0	0
17	HR-120	X	1.2	1.2	0	0
18	HR-240	X	.6	.6	0	0
19	HR-BRACE-1	X	1.4	1.4	0	0
20	HR-BRACE-2	X	.7	.7	0	0
21	HR-BRACE-3	X	.7	.7	0	0
22	SA-1	X	0	0	0	0
23	SA-2	X	1.1	1.1	0	0
24	SA-3	X	1.1	1.1	0	0
25	PL1	X	.9	.9	0	0
26	PL2	X	0	0	0	0
27	PL3	X	.9	.9	0	0
28	PL4	X	0	0	0	0
29	PL5	X	.9	.9	0	0
30	PL6	X	0	0	0	0
31	PL7	X	.9	.9	0	0
32	PL8	X	1.6	1.6	0	0
33	PL9	X	.9	.9	0	0
34	PL10	X	1.6	1.6	0	0
35	PL11	X	.9	.9	0	0
36	PL12	X	1.6	1.6	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
37	PL13	X	1.8	1.8	0	0
38	PL14	X	1.6	1.6	0	0
39	PL15	X	1.8	1.8	0	0
40	PL16	X	1.6	1.6	0	0
41	PL17	X	1.8	1.8	0	0
42	PL18	X	1.6	1.6	0	0
43	PL19	X	1.8	1.8	0	0
44	PL20	X	1.6	1.6	0	0
45	PL21	X	1.8	1.8	0	0
46	PL22	X	1.6	1.6	0	0
47	PL23	X	1.8	1.8	0	0
48	PL24	X	1.6	1.6	0	0
49	PL25	X	.9	.9	0	0
50	PL26	X	1.6	1.6	0	0
51	PL27	X	.9	.9	0	0
52	PL28	X	1.6	1.6	0	0
53	PL29	X	.9	.9	0	0
54	PL30	X	1.6	1.6	0	0
55	PL31	X	.9	.9	0	0
56	PL32	X	0	0	0	0
57	PL33	X	.9	.9	0	0
58	PL34	X	0	0	0	0
59	PL35	X	.9	.9	0	0
60	PL36	X	0	0	0	0
61	BRACE-1-1A	Z	-2.7	-2.7	0	0
62	BRACE-1-1B	Z	-2.7	-2.7	0	0
63	BRACE-1-2A	Z	-2.6	-2.6	0	0
64	BRACE-1-2B	Z	-2.6	-2.6	0	0
65	BRACE-2-1A	Z	-1.4	-1.4	0	0
66	BRACE-2-1B	Z	-1.4	-1.4	0	0
67	BRACE-2-2A	Z	-1.3	-1.3	0	0
68	BRACE-2-2B	Z	-1.3	-1.3	0	0
69	BRACE-3-1A	Z	-1.4	-1.4	0	0
70	BRACE-3-1B	Z	-1.4	-1.4	0	0
71	BRACE-3-2A	Z	-1.3	-1.3	0	0
72	BRACE-3-2B	Z	-1.3	-1.3	0	0
73	FM-0	Z	-1.2	-1.2	0	0
74	FM-120	Z	-2.3	-2.3	0	0
75	FM-240	Z	-1.2	-1.2	0	0
76	HR-0	Z	-1.1	-1.1	0	0
77	HR-120	Z	-2.1	-2.1	0	0
78	HR-240	Z	-1.1	-1.1	0	0
79	HR-BRACE-1	Z	-2.4	-2.4	0	0
80	HR-BRACE-2	Z	-1.2	-1.2	0	0
81	HR-BRACE-3	Z	-1.2	-1.2	0	0
82	SA-1	Z	0	0	0	0
83	SA-2	Z	-1.9	-1.9	0	0
84	SA-3	Z	-1.9	-1.9	0	0
85	PL1	Z	-1.6	-1.6	0	0
86	PL2	Z	-.1	-.1	0	0
87	PL3	Z	-1.6	-1.6	0	0
88	PL4	Z	-.1	-.1	0	0
89	PL5	Z	-1.6	-1.6	0	0
90	PL6	Z	-.1	-.1	0	0
91	PL7	Z	-1.6	-1.6	0	0
92	PL8	Z	-2.8	-2.8	0	0
93	PL9	Z	-1.6	-1.6	0	0
94	PL10	Z	-2.8	-2.8	0	0
95	PL11	Z	-1.6	-1.6	0	0
96	PL12	Z	-2.8	-2.8	0	0
97	PL13	Z	-3.2	-3.2	0	0
98	PL14	Z	-2.7	-2.7	0	0
99	PL15	Z	-3.2	-3.2	0	0
100	PL16	Z	-2.7	-2.7	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
101	PL17	Z	-3.2	-3.2	0	0
102	PL18	Z	-2.7	-2.7	0	0
103	PL19	Z	-3.2	-3.2	0	0
104	PL20	Z	-2.7	-2.7	0	0
105	PL21	Z	-3.2	-3.2	0	0
106	PL22	Z	-2.7	-2.7	0	0
107	PL23	Z	-3.2	-3.2	0	0
108	PL24	Z	-2.7	-2.7	0	0
109	PL25	Z	-1.6	-1.6	0	0
110	PL26	Z	-2.8	-2.8	0	0
111	PL27	Z	-1.6	-1.6	0	0
112	PL28	Z	-2.8	-2.8	0	0
113	PL29	Z	-1.6	-1.6	0	0
114	PL30	Z	-2.8	-2.8	0	0
115	PL31	Z	-1.6	-1.6	0	0
116	PL32	Z	-.1	-.1	0	0
117	PL33	Z	-1.6	-1.6	0	0
118	PL34	Z	-.1	-.1	0	0
119	PL35	Z	-1.6	-1.6	0	0
120	PL36	Z	-.1	-.1	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1-1A	X	2.4	2.4	0	0
2	BRACE-1-1B	X	2.4	2.4	0	0
3	BRACE-1-2A	X	2.2	2.2	0	0
4	BRACE-1-2B	X	2.2	2.2	0	0
5	BRACE-2-1A	X	0	0	0	0
6	BRACE-2-1B	X	0	0	0	0
7	BRACE-2-2A	X	0	0	0	0
8	BRACE-2-2B	X	0	0	0	0
9	BRACE-3-1A	X	2.4	2.4	0	0
10	BRACE-3-1B	X	2.4	2.4	0	0
11	BRACE-3-2A	X	2.2	2.2	0	0
12	BRACE-3-2B	X	2.2	2.2	0	0
13	FM-0	X	2	2	0	0
14	FM-120	X	2	2	0	0
15	FM-240	X	0	0	0	0
16	HR-0	X	1.8	1.8	0	0
17	HR-120	X	1.8	1.8	0	0
18	HR-240	X	0	0	0	0
19	HR-BRACE-1	X	2.1	2.1	0	0
20	HR-BRACE-2	X	0	0	0	0
21	HR-BRACE-3	X	2.1	2.1	0	0
22	SA-1	X	1.1	1.1	0	0
23	SA-2	X	2.2	2.2	0	0
24	SA-3	X	1.1	1.1	0	0
25	PL1	X	2.7	2.7	0	0
26	PL2	X	1.5	1.5	0	0
27	PL3	X	2.7	2.7	0	0
28	PL4	X	1.5	1.5	0	0
29	PL5	X	2.7	2.7	0	0
30	PL6	X	1.5	1.5	0	0
31	PL7	X	2.7	2.7	0	0
32	PL8	X	3.2	3.2	0	0
33	PL9	X	2.7	2.7	0	0
34	PL10	X	3.2	3.2	0	0
35	PL11	X	2.7	2.7	0	0
36	PL12	X	3.2	3.2	0	0
37	PL13	X	2.7	2.7	0	0
38	PL14	X	3.2	3.2	0	0
39	PL15	X	2.7	2.7	0	0
40	PL16	X	3.2	3.2	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
41	PL17	X	2.7	2.7	0	0
42	PL18	X	3.2	3.2	0	0
43	PL19	X	2.7	2.7	0	0
44	PL20	X	1.5	1.5	0	0
45	PL21	X	2.7	2.7	0	0
46	PL22	X	1.5	1.5	0	0
47	PL23	X	2.7	2.7	0	0
48	PL24	X	1.5	1.5	0	0
49	PL25	X	0	0	0	0
50	PL26	X	1.7	1.7	0	0
51	PL27	X	0	0	0	0
52	PL28	X	1.7	1.7	0	0
53	PL29	X	0	0	0	0
54	PL30	X	1.7	1.7	0	0
55	PL31	X	0	0	0	0
56	PL32	X	1.7	1.7	0	0
57	PL33	X	0	0	0	0
58	PL34	X	1.7	1.7	0	0
59	PL35	X	0	0	0	0
60	PL36	X	1.7	1.7	0	0
61	BRACE-1-1A	Z	-1.4	-1.4	0	0
62	BRACE-1-1B	Z	-1.4	-1.4	0	0
63	BRACE-1-2A	Z	-1.3	-1.3	0	0
64	BRACE-1-2B	Z	-1.3	-1.3	0	0
65	BRACE-2-1A	Z	0	0	0	0
66	BRACE-2-1B	Z	0	0	0	0
67	BRACE-2-2A	Z	0	0	0	0
68	BRACE-2-2B	Z	0	0	0	0
69	BRACE-3-1A	Z	-1.4	-1.4	0	0
70	BRACE-3-1B	Z	-1.4	-1.4	0	0
71	BRACE-3-2A	Z	-1.3	-1.3	0	0
72	BRACE-3-2B	Z	-1.3	-1.3	0	0
73	FM-0	Z	-1.2	-1.2	0	0
74	FM-120	Z	-1.2	-1.2	0	0
75	FM-240	Z	0	0	0	0
76	HR-0	Z	-1.1	-1.1	0	0
77	HR-120	Z	-1.1	-1.1	0	0
78	HR-240	Z	0	0	0	0
79	HR-BRACE-1	Z	-1.2	-1.2	0	0
80	HR-BRACE-2	Z	0	0	0	0
81	HR-BRACE-3	Z	-1.2	-1.2	0	0
82	SA-1	Z	-.6	-.6	0	0
83	SA-2	Z	-1.2	-1.2	0	0
84	SA-3	Z	-.6	-.6	0	0
85	PL1	Z	-1.6	-1.6	0	0
86	PL2	Z	-.9	-.9	0	0
87	PL3	Z	-1.6	-1.6	0	0
88	PL4	Z	-.9	-.9	0	0
89	PL5	Z	-1.6	-1.6	0	0
90	PL6	Z	-.9	-.9	0	0
91	PL7	Z	-1.6	-1.6	0	0
92	PL8	Z	-1.8	-1.8	0	0
93	PL9	Z	-1.6	-1.6	0	0
94	PL10	Z	-1.8	-1.8	0	0
95	PL11	Z	-1.6	-1.6	0	0
96	PL12	Z	-1.8	-1.8	0	0
97	PL13	Z	-1.6	-1.6	0	0
98	PL14	Z	-1.8	-1.8	0	0
99	PL15	Z	-1.6	-1.6	0	0
100	PL16	Z	-1.8	-1.8	0	0
101	PL17	Z	-1.6	-1.6	0	0
102	PL18	Z	-1.8	-1.8	0	0
103	PL19	Z	-1.6	-1.6	0	0
104	PL20	Z	-.9	-.9	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
105	PL21	Z	-1.6	-1.6	0	0
106	PL22	Z	-.9	-.9	0	0
107	PL23	Z	-1.6	-1.6	0	0
108	PL24	Z	-.9	-.9	0	0
109	PL25	Z	0	0	0	0
110	PL26	Z	-1	-1	0	0
111	PL27	Z	0	0	0	0
112	PL28	Z	-1	-1	0	0
113	PL29	Z	0	0	0	0
114	PL30	Z	-1	-1	0	0
115	PL31	Z	0	0	0	0
116	PL32	Z	-1	-1	0	0
117	PL33	Z	0	0	0	0
118	PL34	Z	-1	-1	0	0
119	PL35	Z	0	0	0	0
120	PL36	Z	-1	-1	0	0

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-2-1A	Y	-.024	-.564	0	4.474
2	BRACE-2-1A	Y	-.564	-1.157	4.474	8.949
3	BRACE-2-1A	Y	-1.157	-1.438	8.949	13.423
4	BRACE-2-1A	Y	-1.438	-1.534	13.423	17.897
5	BRACE-2-1A	Y	-1.534	-1.701	17.897	22.372
6	BRACE-2-1A	Y	-1.701	-1.424	22.372	26.846
7	BRACE-2-1A	Y	-1.424	-.965	26.846	31.32
8	BRACE-2-1A	Y	-.965	-.704	31.32	35.795
9	BRACE-2-1B	Y	-.704	-.964	2	6.475
10	BRACE-2-1B	Y	-.964	-1.423	6.475	10.95
11	BRACE-2-1B	Y	-1.423	-1.691	10.95	15.425
12	BRACE-2-1B	Y	-1.691	-1.507	15.425	19.9
13	BRACE-2-1B	Y	-1.507	-1.376	19.9	24.375
14	BRACE-2-1B	Y	-1.376	-1.098	24.375	28.85
15	BRACE-2-1B	Y	-1.098	-.545	28.85	33.325
16	BRACE-2-1B	Y	-.545	-.023	33.325	37.8
17	BRACE-2-2A	Y	-1.943	-1.587	0	4.041
18	BRACE-2-2A	Y	-1.587	-1.54	4.041	8.082
19	BRACE-2-2A	Y	-1.54	-1.536	8.082	12.123
20	BRACE-2-2A	Y	-1.536	-1.189	12.123	16.164
21	BRACE-2-2A	Y	-1.189	-.697	16.164	20.205
22	BRACE-2-2A	Y	-.697	-.14	20.205	24.246
23	BRACE-2-2B	Y	-.139	-.697	2	6.042
24	BRACE-2-2B	Y	-.697	-1.189	6.042	10.085
25	BRACE-2-2B	Y	-1.189	-1.541	10.085	14.127
26	BRACE-2-2B	Y	-1.541	-1.551	14.127	18.17
27	BRACE-2-2B	Y	-1.551	-1.606	18.17	22.212
28	BRACE-2-2B	Y	-1.606	-1.97	22.212	26.254
29	FM-0	Y	-.019	-.492	9.6	13.44
30	FM-0	Y	-.492	-.633	13.44	17.28
31	FM-0	Y	-.633	-.256	17.28	21.12
32	FM-0	Y	-.256	-.019	21.12	24.96
33	FM-0	Y	-.019	-.019	24.96	28.8
34	FM-120	Y	-.019	-.019	67.2	71.04
35	FM-120	Y	-.019	-.274	71.04	74.88
36	FM-120	Y	-.274	-.653	74.88	78.72
37	FM-120	Y	-.653	-.495	78.72	82.56
38	FM-120	Y	-.495	-.019	82.56	86.4
39	PL7	Y	-.96	-.96	0	1
40	PL8	Y	-.199	-.199	1.266	3.266
41	PL17	Y	-1.799	-1.799	0	1
42	SA-2	Y	-.34	-.929	35.002	37.002
43	SA-2	Y	-.929	-1.512	37.002	39.002
44	SA-2	Y	-1.512	-2.374	39.002	41.002

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
45	SA-2	Y	-2.374	-2.93	41.002	43.002
46	SA-2	Y	-2.93	-2.613	43.002	45.002
47	SA-2	Y	-2.613	-2.017	45.002	47.002
48	SA-2	Y	-2.017	-1.434	47.002	49.002
49	SA-2	Y	-1.434	-.864	49.002	51.002
50	SA-2	Y	-.864	-.301	51.002	53.002
51	BRACE-3-1A	Y	-.702	-.962	2	6.475
52	BRACE-3-1A	Y	-.962	-1.419	6.475	10.949
53	BRACE-3-1A	Y	-1.419	-1.686	10.949	15.424
54	BRACE-3-1A	Y	-1.686	-1.502	15.424	19.899
55	BRACE-3-1A	Y	-1.502	-1.371	19.899	24.373
56	BRACE-3-1A	Y	-1.371	-1.094	24.373	28.848
57	BRACE-3-1A	Y	-1.094	-.543	28.848	33.322
58	BRACE-3-1A	Y	-.543	-.023	33.322	37.797
59	BRACE-3-1B	Y	-.023	-.548	0	4.475
60	BRACE-3-1B	Y	-.548	-1.109	4.475	8.949
61	BRACE-3-1B	Y	-1.109	-1.393	8.949	13.424
62	BRACE-3-1B	Y	-1.393	-1.522	13.424	17.898
63	BRACE-3-1B	Y	-1.522	-1.696	17.898	22.373
64	BRACE-3-1B	Y	-1.696	-1.421	22.373	26.848
65	BRACE-3-1B	Y	-1.421	-.963	26.848	31.322
66	BRACE-3-1B	Y	-.963	-.702	31.322	35.797
67	BRACE-3-2A	Y	-.139	-.696	2	6.042
68	BRACE-3-2A	Y	-.696	-1.187	6.042	10.083
69	BRACE-3-2A	Y	-1.187	-1.533	10.083	14.125
70	BRACE-3-2A	Y	-1.533	-1.537	14.125	18.167
71	BRACE-3-2A	Y	-1.537	-1.583	18.167	22.208
72	BRACE-3-2A	Y	-1.583	-1.937	22.208	26.25
73	BRACE-3-2B	Y	-1.963	-1.6	0	4.042
74	BRACE-3-2B	Y	-1.6	-1.546	4.042	8.083
75	BRACE-3-2B	Y	-1.546	-1.536	8.083	12.125
76	BRACE-3-2B	Y	-1.536	-1.185	12.125	16.167
77	BRACE-3-2B	Y	-1.185	-.695	16.167	20.208
78	BRACE-3-2B	Y	-.695	-.139	20.208	24.25
79	FM-120	Y	-.019	-.49	9.6	13.44
80	FM-120	Y	-.49	-.649	13.44	17.28
81	FM-120	Y	-.649	-.273	17.28	21.12
82	FM-120	Y	-.273	-.019	21.12	24.96
83	FM-120	Y	-.019	-.019	24.96	28.8
84	FM-240	Y	-.019	-.019	67.2	71.04
85	FM-240	Y	-.019	-.273	71.04	74.88
86	FM-240	Y	-.273	-.651	74.88	78.72
87	FM-240	Y	-.651	-.493	78.72	82.56
88	FM-240	Y	-.493	-.019	82.56	86.4
89	PL19	Y	-1.797	-1.797	0	1
90	PL29	Y	-1.792	-1.792	0	1
91	SA-3	Y	-.34	-.93	35.046	37.04
92	SA-3	Y	-.93	-1.513	37.04	39.035
93	SA-3	Y	-1.513	-2.374	39.035	41.03
94	SA-3	Y	-2.374	-2.931	41.03	43.025
95	SA-3	Y	-2.931	-2.614	43.025	45.02
96	SA-3	Y	-2.614	-2.017	45.02	47.015
97	SA-3	Y	-2.017	-1.434	47.015	49.01
98	SA-3	Y	-1.434	-.864	49.01	51.005
99	SA-3	Y	-.864	-.301	51.005	52.999
100	BRACE-1-1A	Y	-.023	-.549	0	4.475
101	BRACE-1-1A	Y	-.549	-1.11	4.475	8.949
102	BRACE-1-1A	Y	-1.11	-1.395	8.949	13.424
103	BRACE-1-1A	Y	-1.395	-1.523	13.424	17.899
104	BRACE-1-1A	Y	-1.523	-1.699	17.899	22.373
105	BRACE-1-1A	Y	-1.699	-1.424	22.373	26.848
106	BRACE-1-1A	Y	-1.424	-.964	26.848	31.323
107	BRACE-1-1A	Y	-.964	-.704	31.323	35.797
108	BRACE-1-1B	Y	-.704	-.965	2	6.475

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
109	BRACE-1-1B	Y	-.965	-1.423	6.475	10.949
110	BRACE-1-1B	Y	-1.423	-1.693	10.949	15.424
111	BRACE-1-1B	Y	-1.693	-1.516	15.424	19.899
112	BRACE-1-1B	Y	-1.516	-1.421	19.899	24.373
113	BRACE-1-1B	Y	-1.421	-1.145	24.373	28.848
114	BRACE-1-1B	Y	-1.145	-.559	28.848	33.322
115	BRACE-1-1B	Y	-.559	-.023	33.322	37.797
116	BRACE-1-2A	Y	-.14	-.697	2	6.042
117	BRACE-1-2A	Y	-.697	-1.189	6.042	10.084
118	BRACE-1-2A	Y	-1.189	-1.535	10.084	14.125
119	BRACE-1-2A	Y	-1.535	-1.538	14.125	18.167
120	BRACE-1-2A	Y	-1.538	-1.584	18.167	22.209
121	BRACE-1-2A	Y	-1.584	-1.938	22.209	26.251
122	BRACE-1-2B	Y	-1.976	-1.608	0	4.042
123	BRACE-1-2B	Y	-1.608	-1.552	4.042	8.083
124	BRACE-1-2B	Y	-1.552	-1.541	8.083	12.125
125	BRACE-1-2B	Y	-1.541	-1.188	12.125	16.167
126	BRACE-1-2B	Y	-1.188	-.697	16.167	20.208
127	BRACE-1-2B	Y	-.697	-.139	20.208	24.25
128	FM-0	Y	-.019	-.019	67.2	71.04
129	FM-0	Y	-.019	-.257	71.04	74.88
130	FM-0	Y	-.257	-.638	74.88	78.72
131	FM-0	Y	-.638	-.496	78.72	82.56
132	FM-0	Y	-.496	-.019	82.56	86.4
133	FM-240	Y	-.019	-.49	9.6	13.44
134	FM-240	Y	-.49	-.649	13.44	17.28
135	FM-240	Y	-.649	-.273	17.28	21.12
136	FM-240	Y	-.273	-.019	21.12	24.96
137	FM-240	Y	-.019	-.019	24.96	28.8
138	PL5	Y	-.97	-.97	0	1
139	PL6	Y	-.201	-.201	1.262	3.262
140	PL31	Y	-1.798	-1.798	0	1
141	SA-1	Y	-.34	-.929	35.002	37.002
142	SA-1	Y	-.929	-1.512	37.002	39.002
143	SA-1	Y	-1.512	-2.374	39.002	41.002
144	SA-1	Y	-2.374	-2.93	41.002	43.002
145	SA-1	Y	-2.93	-2.613	43.002	45.002
146	SA-1	Y	-2.613	-2.017	45.002	47.002
147	SA-1	Y	-2.017	-1.434	47.002	49.002
148	SA-1	Y	-1.434	-.864	49.002	51.002
149	SA-1	Y	-.864	-.301	51.002	53.002

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-2-1A	Y	-.137	-3.275	0	4.474
2	BRACE-2-1A	Y	-3.275	-6.726	4.474	8.949
3	BRACE-2-1A	Y	-6.726	-8.356	8.949	13.423
4	BRACE-2-1A	Y	-8.356	-8.913	13.423	17.897
5	BRACE-2-1A	Y	-8.913	-9.887	17.897	22.372
6	BRACE-2-1A	Y	-9.887	-8.277	22.372	26.846
7	BRACE-2-1A	Y	-8.277	-5.607	26.846	31.32
8	BRACE-2-1A	Y	-5.607	-4.093	31.32	35.795
9	BRACE-2-1B	Y	-4.091	-5.605	2	6.475
10	BRACE-2-1B	Y	-5.605	-8.268	6.475	10.95
11	BRACE-2-1B	Y	-8.268	-9.826	10.95	15.425
12	BRACE-2-1B	Y	-9.826	-8.757	15.425	19.9
13	BRACE-2-1B	Y	-8.757	-7.998	19.9	24.375
14	BRACE-2-1B	Y	-7.998	-6.383	24.375	28.85
15	BRACE-2-1B	Y	-6.383	-3.17	28.85	33.325
16	BRACE-2-1B	Y	-3.17	-.135	33.325	37.8
17	BRACE-2-2A	Y	-11.291	-9.224	0	4.041
18	BRACE-2-2A	Y	-9.224	-8.949	4.041	8.082
19	BRACE-2-2A	Y	-8.949	-8.925	8.082	12.123

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
20	BRACE-2-2A	Y	-8.925	-6.908	12.123	16.164
21	BRACE-2-2A	Y	-6.908	-4.051	16.164	20.205
22	BRACE-2-2A	Y	-4.051	-.812	20.205	24.246
23	BRACE-2-2B	Y	-.809	-4.049	2	6.042
24	BRACE-2-2B	Y	-4.049	-6.907	6.042	10.085
25	BRACE-2-2B	Y	-6.907	-8.954	10.085	14.127
26	BRACE-2-2B	Y	-8.954	-9.016	14.127	18.17
27	BRACE-2-2B	Y	-9.016	-9.33	18.17	22.212
28	BRACE-2-2B	Y	-9.33	-11.45	22.212	26.254
29	FM-0	Y	-.111	-2.858	9.6	13.44
30	FM-0	Y	-2.858	-3.68	13.44	17.28
31	FM-0	Y	-3.68	-1.485	17.28	21.12
32	FM-0	Y	-1.485	-.111	21.12	24.96
33	FM-0	Y	-.111	-.111	24.96	28.8
34	FM-120	Y	-.112	-.112	67.2	71.04
35	FM-120	Y	-.112	-1.594	71.04	74.88
36	FM-120	Y	-1.594	-3.796	74.88	78.72
37	FM-120	Y	-3.796	-2.876	78.72	82.56
38	FM-120	Y	-2.876	-.112	82.56	86.4
39	PL7	Y	-5.579	-5.579	0	1
40	PL8	Y	-1.157	-1.157	1.266	3.266
41	PL17	Y	-10.455	-10.455	0	1
42	SA-2	Y	-1.975	-5.401	35.002	37.002
43	SA-2	Y	-5.401	-8.789	37.002	39.002
44	SA-2	Y	-8.789	-13.795	39.002	41.002
45	SA-2	Y	-13.795	-17.03	41.002	43.002
46	SA-2	Y	-17.03	-15.184	43.002	45.002
47	SA-2	Y	-15.184	-11.72	45.002	47.002
48	SA-2	Y	-11.72	-8.332	47.002	49.002
49	SA-2	Y	-8.332	-5.02	49.002	51.002
50	SA-2	Y	-5.02	-1.747	51.002	53.002
51	BRACE-3-1A	Y	-4.081	-5.59	2	6.475
52	BRACE-3-1A	Y	-5.59	-8.244	6.475	10.949
53	BRACE-3-1A	Y	-8.244	-9.796	10.949	15.424
54	BRACE-3-1A	Y	-9.796	-8.728	15.424	19.899
55	BRACE-3-1A	Y	-8.728	-7.97	19.899	24.373
56	BRACE-3-1A	Y	-7.97	-6.36	24.373	28.848
57	BRACE-3-1A	Y	-6.36	-3.158	28.848	33.322
58	BRACE-3-1A	Y	-3.158	-.134	33.322	37.797
59	BRACE-3-1B	Y	-.135	-3.186	0	4.475
60	BRACE-3-1B	Y	-3.186	-6.447	4.475	8.949
61	BRACE-3-1B	Y	-6.447	-8.098	8.949	13.424
62	BRACE-3-1B	Y	-8.098	-8.843	13.424	17.898
63	BRACE-3-1B	Y	-8.843	-9.859	17.898	22.373
64	BRACE-3-1B	Y	-9.859	-8.261	22.373	26.848
65	BRACE-3-1B	Y	-8.261	-5.594	26.848	31.322
66	BRACE-3-1B	Y	-5.594	-4.082	31.322	35.797
67	BRACE-3-2A	Y	-.81	-4.044	2	6.042
68	BRACE-3-2A	Y	-4.044	-6.896	6.042	10.083
69	BRACE-3-2A	Y	-6.896	-8.911	10.083	14.125
70	BRACE-3-2A	Y	-8.911	-8.93	14.125	18.167
71	BRACE-3-2A	Y	-8.93	-9.199	18.167	22.208
72	BRACE-3-2A	Y	-9.199	-11.258	22.208	26.25
73	BRACE-3-2B	Y	-11.406	-9.297	0	4.042
74	BRACE-3-2B	Y	-9.297	-8.987	4.042	8.083
75	BRACE-3-2B	Y	-8.987	-8.927	8.083	12.125
76	BRACE-3-2B	Y	-8.927	-6.888	12.125	16.167
77	BRACE-3-2B	Y	-6.888	-4.039	16.167	20.208
78	BRACE-3-2B	Y	-4.039	-.808	20.208	24.25
79	FM-120	Y	-.111	-2.846	9.6	13.44
80	FM-120	Y	-2.846	-3.769	13.44	17.28
81	FM-120	Y	-3.769	-1.586	17.28	21.12
82	FM-120	Y	-1.586	-.111	21.12	24.96
83	FM-120	Y	-.111	-.111	24.96	28.8

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
84	FM-240	Y	-.112	-.112	67.2	71.04
85	FM-240	Y	-.112	-1.588	71.04	74.88
86	FM-240	Y	-1.588	-3.781	74.88	78.72
87	FM-240	Y	-3.781	-2.865	78.72	82.56
88	FM-240	Y	-2.865	-.112	82.56	86.4
89	PL19	Y	-10.444	-10.444	0	1
90	PL29	Y	-10.415	-10.415	0	1
91	SA-3	Y	-1.976	-5.403	35.046	37.04
92	SA-3	Y	-5.403	-8.792	37.04	39.035
93	SA-3	Y	-8.792	-13.799	39.035	41.03
94	SA-3	Y	-13.799	-17.035	41.03	43.025
95	SA-3	Y	-17.035	-15.188	43.025	45.02
96	SA-3	Y	-15.188	-11.723	45.02	47.015
97	SA-3	Y	-11.723	-8.334	47.015	49.01
98	SA-3	Y	-8.334	-5.022	49.01	51.005
99	SA-3	Y	-5.022	-1.747	51.005	52.999
100	BRACE-1-1A	Y	-.135	-3.189	0	4.475
101	BRACE-1-1A	Y	-3.189	-6.452	4.475	8.949
102	BRACE-1-1A	Y	-6.452	-8.105	8.949	13.424
103	BRACE-1-1A	Y	-8.105	-8.853	13.424	17.899
104	BRACE-1-1A	Y	-8.853	-9.872	17.899	22.373
105	BRACE-1-1A	Y	-9.872	-8.274	22.373	26.848
106	BRACE-1-1A	Y	-8.274	-5.605	26.848	31.323
107	BRACE-1-1A	Y	-5.605	-4.091	31.323	35.797
108	BRACE-1-1B	Y	-4.092	-5.606	2	6.475
109	BRACE-1-1B	Y	-5.606	-8.269	6.475	10.949
110	BRACE-1-1B	Y	-8.269	-9.836	10.949	15.424
111	BRACE-1-1B	Y	-9.836	-8.812	15.424	19.899
112	BRACE-1-1B	Y	-8.812	-8.255	19.899	24.373
113	BRACE-1-1B	Y	-8.255	-6.657	24.373	28.848
114	BRACE-1-1B	Y	-6.657	-3.246	28.848	33.322
115	BRACE-1-1B	Y	-3.246	-.136	33.322	37.797
116	BRACE-1-2A	Y	-.812	-4.052	2	6.042
117	BRACE-1-2A	Y	-4.052	-6.907	6.042	10.084
118	BRACE-1-2A	Y	-6.907	-8.923	10.084	14.125
119	BRACE-1-2A	Y	-8.923	-8.94	14.125	18.167
120	BRACE-1-2A	Y	-8.94	-9.206	18.167	22.209
121	BRACE-1-2A	Y	-9.206	-11.264	22.209	26.251
122	BRACE-1-2B	Y	-11.481	-9.346	0	4.042
123	BRACE-1-2B	Y	-9.346	-9.021	4.042	8.083
124	BRACE-1-2B	Y	-9.021	-8.954	8.083	12.125
125	BRACE-1-2B	Y	-8.954	-6.907	12.125	16.167
126	BRACE-1-2B	Y	-6.907	-4.048	16.167	20.208
127	BRACE-1-2B	Y	-4.048	-.809	20.208	24.25
128	FM-0	Y	-.112	-.112	67.2	71.04
129	FM-0	Y	-.112	-1.496	71.04	74.88
130	FM-0	Y	-1.496	-3.707	74.88	78.72
131	FM-0	Y	-3.707	-2.885	78.72	82.56
132	FM-0	Y	-2.885	-.112	82.56	86.4
133	FM-240	Y	-.111	-2.847	9.6	13.44
134	FM-240	Y	-2.847	-3.771	13.44	17.28
135	FM-240	Y	-3.771	-1.588	17.28	21.12
136	FM-240	Y	-1.588	-.111	21.12	24.96
137	FM-240	Y	-.111	-.111	24.96	28.8
138	PL5	Y	-5.64	-5.64	0	1
139	PL6	Y	-1.166	-1.166	1.262	3.262
140	PL31	Y	-10.451	-10.451	0	1
141	SA-1	Y	-1.975	-5.401	35.002	37.002
142	SA-1	Y	-5.401	-8.789	37.002	39.002
143	SA-1	Y	-8.789	-13.794	39.002	41.002
144	SA-1	Y	-13.794	-17.03	41.002	43.002
145	SA-1	Y	-17.03	-15.183	43.002	45.002
146	SA-1	Y	-15.183	-11.719	45.002	47.002
147	SA-1	Y	-11.719	-8.332	47.002	49.002

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
148	SA-1	Y	-8.332	-5.02	49.002	51.002
149	SA-1	Y	-5.02	-1.747	51.002	53.002

Member Area Loads (BLC 1 : Dead Load)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[psf]
1	N104	N103	N10	N14	Y	Two Way	-1.75
2	N20	N18	N22	N24	Y	Two Way	-1.75
3	N32	N28	N26	N30	Y	Two Way	-1.75

Member Area Loads (BLC 14 : Ice Load)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[psf]
1	N104	N103	N10	N14	Y	Two Way	-10.17
2	N20	N18	N22	N24	Y	Two Way	-10.17
3	N32	N28	N26	N30	Y	Two Way	-10.17

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribu...	Area(M...	Surface...
1	Dead Load	None		-1			17		3	
2	Wind Load (0 deg)	None					34	120		
3	Wind Load (30 deg)	None					34	120		
4	Wind Load (60 deg)	None					34	120		
5	Wind Load (90 deg)	None					34	120		
6	Wind Load (120 deg)	None					34	120		
7	Wind Load (150 deg)	None					34	120		
8	Wind Load (180 deg)	None					34	120		
9	Wind Load (210 deg)	None					34	120		
10	Wind Load (240 deg)	None					34	120		
11	Wind Load (270 deg)	None					34	120		
12	Wind Load (300 deg)	None					34	120		
13	Wind Load (330 deg)	None					34	120		
14	Ice Load	None					17	60	3	
15	Wind on Ice (0 deg)	None					34	120		
16	Wind on Ice (30 deg)	None					34	120		
17	Wind on Ice (60 deg)	None					34	120		
18	Wind on Ice (90 deg)	None					34	120		
19	Wind on Ice (120 deg)	None					34	120		
20	Wind on Ice (150 deg)	None					34	120		
21	Wind on Ice (180 deg)	None					34	120		
22	Wind on Ice (210 deg)	None					34	120		
23	Wind on Ice (240 deg)	None					34	120		
24	Wind on Ice (270 deg)	None					34	120		
25	Wind on Ice (300 deg)	None					34	120		
26	Wind on Ice (330 deg)	None					34	120		
27	Horizontal Seismic, Eh (0)	None	1				34			
28	Horizontal Seismic, Eh (30)	None	.866		.5		34			
29	Horizontal Seismic, Eh (60)	None	.5		.866		34			
30	Horizontal Seismic, Eh (90)	None			1		34			
31	Horizontal Seismic, Eh (120)	None	-.5		.866		34			
32	Horizontal Seismic, Eh (150)	None	-.866		.5		34			
33	Horizontal Seismic, Eh (180)	None	-1				34			
34	Horizontal Seismic, Eh (210)	None	-.866		-.5		34			
35	Horizontal Seismic, Eh (240)	None	-.5		-.866		34			
36	Horizontal Seismic, Eh (270)	None			-1		34			
37	Horizontal Seismic, Eh (300)	None	.5		-.866		34			
38	Horizontal Seismic, Eh (330)	None	.866		-.5		34			
39	Maintenance Load, Lm (MP1)	None					1			
40	Maintenance Load, Lm (MP2)	None					1			
41	Maintenance Load, Lm (MP3)	None					1			
42	Maintenance Load, Lm (MP4)	None					1			
43	Maintenance Load, Lm (MP5)	None					1			

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribu...	Area(M...	Surface...
44	Maintenance Load, Lm (MP6)	None					1			
45	Maintenance Load, Lm (MP7)	None					1			
46	Maintenance Load, Lm (MP8)	None					1			
47	Maintenance Load, Lm (MP9)	None					1			
48	Maintenance Load, Lm (MP10)	None								
49	Maintenance Load, Lm (MP11)	None								
50	Maintenance Load, Lm (MP12)	None								
51	Maintenance Load, Lm (MP13)	None								
52	Maintenance Load, Lm (MP14)	None								
53	Maintenance Load, Lm (MP15)	None								
54	Maintenance Load, Lm (MP16)	None								
55	Maintenance Load, Lm (MP17)	None								
56	Maintenance Load, Lm (MP18)	None								
57	Maintenance Load, Lm (MP19)	None								
58	Maintenance Load, Lm (MP20)	None								
59	Maintenance Load, Lm (MP21)	None								
60	Maintenance Load, Lm (MP22)	None								
61	Maintenance Load, Lm (MP23)	None								
62	Maintenance Load, Lm (MP24)	None								
63	Maintenance Load, Lm (MP25)	None								
64	Maintenance Load, Lm (MP26)	None								
65	Maintenance Load, Lm (MP27)	None								
66	Maintenance Load, Lm (MP28)	None								
67	Maintenance Load, Lm (MP29)	None								
68	Maintenance Load, Lm (MP30)	None								
69	Maintenance Load, Lm (MP31)	None								
70	Maintenance Load, Lm (MP32)	None								
71	Maintenance Load, Lm (MP33)	None								
72	Maintenance Load, Lm (MP34)	None								
73	Maintenance Load, Lm (MP35)	None								
74	Maintenance Load, Lm (MP36)	None								
75	Maintenance Load, Lv (Pos. 1)	None					1			
76	Maintenance Load, Lv (Pos. 2)	None					1			
77	Maintenance Load, Lv (Pos. 3)	None					1			
78	Maintenance Load, Lv (Pos. 4)	None					1			
79	Maintenance Load, Lv (Pos. 5)	None					1			
80	Maintenance Load, Lv (Pos. 6)	None					1			
81	Maintenance Load, Lv (Pos. 7)	None					1			
82	Maintenance Load, Lv (Pos. 8)	None					1			
83	Maintenance Load, Lv (Pos. 9)	None					1			
84	Maintenance Load, Lv (Pos. 10)	None					1			
85	Maintenance Load, Lv (Pos. 11)	None					1			
86	Maintenance Load, Lv (Pos. 12)	None					1			
87	Maintenance Load, Lv (Pos. 13)	None					1			
88	Maintenance Load, Lv (Pos. 14)	None					1			
89	Maintenance Load, Lv (Pos. 15)	None					1			
90	Maintenance Load, Lv (Pos. 16)	None					1			
91	Maintenance Load, Lv (Pos. 17)	None					1			
92	Maintenance Load, Lv (Pos. 18)	None					1			
93	Maintenance Load, Lv (Pos. 19)	None								
94	Maintenance Load, Lv (Pos. 20)	None								
95	Maintenance Load, Lv (Pos. 21)	None								
96	Maintenance Load, Lv (Pos. 22)	None								
97	Maintenance Load, Lv (Pos. 23)	None								
98	Maintenance Load, Lv (Pos. 24)	None								
99	Maintenance Load, Lv (Pos. 25)	None								
100	Maintenance Load, Lv (Pos. 26)	None								
101	Maintenance Load, Lv (Pos. 27)	None								
102	Maintenance Load, Lv (Pos. 28)	None								
103	Maintenance Load, Lv (Pos. 29)	None								
104	Maintenance Load, Lv (Pos. 30)	None								
105	Maintenance Load, Lv (Pos. 31)	None								
106	Maintenance Load, Lv (Pos. 32)	None								
107	Maintenance Load, Lv (Pos. 33)	None								

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribu...	Area(M...	Surface...
108	Maintenance Load, Lv (Pos. 34)	None								
109	Maintenance Load, Lv (Pos. 35)	None								
110	Maintenance Load, Lv (Pos. 36)	None								
111	Maintenance Load, Lv (Pos. 37)	None								
112	Maintenance Load, Lv (Pos. 38)	None								
113	Maintenance Load, Lv (Pos. 39)	None								
114	Maintenance Load, Lv (Pos. 40)	None								
115	Maintenance Load, Lv (Pos. 41)	None								
116	Maintenance Load, Lv (Pos. 42)	None								
117	Maintenance Load, Lv (Pos. 43)	None								
118	Maintenance Load, Lv (Pos. 44)	None								
119	Maintenance Load, Lv (Pos. 45)	None								
120	Maintenance Load, Lv (Pos. 46)	None								
121	Maintenance Load, Lv (Pos. 47)	None								
122	Maintenance Load, Lv (Pos. 48)	None								
123	Maintenance Load, Lv (Pos. 49)	None								
124	Maintenance Load, Lv (Pos. 50)	None								
125	Maintenance Load, Lv (Pos. 51)	None								
126	Maintenance Load, Lv (Pos. 52)	None								
127	Maintenance Load, Lv (Pos. 53)	None								
128	Maintenance Load, Lv (Pos. 54)	None								
129	Maintenance Load, Lv (Pos. 55)	None								
130	Maintenance Load, Lv (Pos. 56)	None								
131	Maintenance Load, Lv (Pos. 57)	None								
132	Maintenance Load, Lv (Pos. 58)	None								
133	Maintenance Load, Lv (Pos. 59)	None								
134	Maintenance Load, Lv (Pos. 60)	None								
135	Maintenance Load, Lv (Pos. 61)	None								
136	Maintenance Load, Lv (Pos. 62)	None								
137	Maintenance Load, Lv (Pos. 63)	None								
138	Maintenance Load, Lv (Pos. 64)	None								
139	Maintenance Load, Lv (Pos. 65)	None								
140	Maintenance Load, Lv (Pos. 66)	None								
141	Maintenance Load, Lv (Pos. 67)	None								
142	Maintenance Load, Lv (Pos. 68)	None								
143	Maintenance Load, Lv (Pos. 69)	None								
144	Maintenance Load, Lv (Pos. 70)	None								
145	Maintenance Load, Lv (Pos. 71)	None								
146	Maintenance Load, Lv (Pos. 72)	None								
147	Maintenance Load, Lv (Pos. 73)	None								
148	Maintenance Load, Lv (Pos. 74)	None								
149	Maintenance Load, Lv (Pos. 75)	None								
150	Maintenance Load, Lv (Pos. 76)	None								
151	Maintenance Load, Lv (Pos. 77)	None								
152	Maintenance Load, Lv (Pos. 78)	None								
153	Maintenance Load, Lv (Pos. 79)	None								
154	Maintenance Load, Lv (Pos. 80)	None								
155	Maintenance Load, Lv (Pos. 81)	None								
156	Maintenance Load, Lv (Pos. 82)	None								
157	Maintenance Load, Lv (Pos. 83)	None								
158	Maintenance Load, Lv (Pos. 84)	None								
159	Maintenance Load, Lv (Pos. 85)	None								
160	Maintenance Load, Lv (Pos. 86)	None								
161	Maintenance Load, Lv (Pos. 87)	None								
162	Maintenance Load, Lv (Pos. 88)	None								
163	Maintenance Load, Lv (Pos. 89)	None								
164	Maintenance Load, Lv (Pos. 90)	None								
165	Maintenance Load, Lv (Pos. 91)	None								
166	Maintenance Load, Lv (Pos. 92)	None								
167	Maintenance Load, Lv (Pos. 93)	None								
168	Maintenance Load, Lv (Pos. 94)	None								
169	Maintenance Load, Lv (Pos. 95)	None								
170	Maintenance Load, Lv (Pos. 96)	None								
171	Maintenance Load, Lv (Pos. 97)	None								

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribu...	Area(M...	Surface...
172	Maintenance Load, Lv (Pos. 98)	None								
173	Maintenance Load, Lv (Pos. 99)	None								
174	Maintenance Load, Lv (Pos. 100)	None								
175	Antenna Dead Load	None					6			
176	Antenna Wind Load (0 deg)	None					12			
177	Antenna Wind Load (30 deg)	None					12			
178	Antenna Wind Load (60 deg)	None					12			
179	Antenna Wind Load (90 deg)	None					12			
180	Antenna Wind Load (120 deg)	None					12			
181	Antenna Wind Load (150 deg)	None					12			
182	Antenna Wind Load (180 deg)	None					12			
183	Antenna Wind Load (210 deg)	None					12			
184	Antenna Wind Load (240 deg)	None					12			
185	Antenna Wind Load (270 deg)	None					12			
186	Antenna Wind Load (300 deg)	None					12			
187	Antenna Wind Load (330 deg)	None					12			
188	Antenna Ice Load	None					6			
189	Antenna Wind on Ice (0 deg)	None					12			
190	Antenna Wind on Ice (30 deg)	None					12			
191	Antenna Wind on Ice (60 deg)	None					12			
192	Antenna Wind on Ice (90 deg)	None					12			
193	Antenna Wind on Ice (120 deg)	None					12			
194	Antenna Wind on Ice (150 deg)	None					12			
195	Antenna Wind on Ice (180 deg)	None					12			
196	Antenna Wind on Ice (210 deg)	None					12			
197	Antenna Wind on Ice (240 deg)	None					12			
198	Antenna Wind on Ice (270 deg)	None					12			
199	Antenna Wind on Ice (300 deg)	None					12			
200	Antenna Wind on Ice (330 deg)	None					12			
201	Ant. Horiz. Seismic, Eh (0)	None					12			
202	Ant. Horiz. Seismic, Eh (30)	None					12			
203	Ant. Horiz. Seismic, Eh (60)	None					12			
204	Ant. Horiz. Seismic, Eh (90)	None					12			
205	Ant. Horiz. Seismic, Eh (120)	None					12			
206	Ant. Horiz. Seismic, Eh (150)	None					12			
207	Ant. Horiz. Seismic, Eh (180)	None					12			
208	Ant. Horiz. Seismic, Eh (210)	None					12			
209	Ant. Horiz. Seismic, Eh (240)	None					12			
210	Ant. Horiz. Seismic, Eh (270)	None					12			
211	Ant. Horiz. Seismic, Eh (300)	None					12			
212	Ant. Horiz. Seismic, Eh (330)	None					12			
213	BLC 1 Transient Area Loads	None						149		
214	BLC 14 Transient Area Loads	None						149		

Load Combinations

	Description	Sol...	PD...	SR...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...
1	1.4D	Yes	Y		1	1.4	175	1.4																
2	1.2D + 1.0...	Yes	Y		1	1.2	2	1	175	1.2	176	1												
3	1.2D + 1.0...	Yes	Y		1	1.2	3	1	175	1.2	177	1												
4	1.2D + 1.0...	Yes	Y		1	1.2	4	1	175	1.2	178	1												
5	1.2D + 1.0...	Yes	Y		1	1.2	5	1	175	1.2	179	1												
6	1.2D + 1.0...	Yes	Y		1	1.2	6	1	175	1.2	180	1												
7	1.2D + 1.0...	Yes	Y		1	1.2	7	1	175	1.2	181	1												
8	1.2D + 1.0...	Yes	Y		1	1.2	8	1	175	1.2	182	1												
9	1.2D + 1.0...	Yes	Y		1	1.2	9	1	175	1.2	183	1												
10	1.2D + 1.0...	Yes	Y		1	1.2	10	1	175	1.2	184	1												
11	1.2D + 1.0...	Yes	Y		1	1.2	11	1	175	1.2	185	1												
12	1.2D + 1.0...	Yes	Y		1	1.2	12	1	175	1.2	186	1												
13	1.2D + 1.0...	Yes	Y		1	1.2	13	1	175	1.2	187	1												
14	1.2D + Di ...	Yes	Y		1	1.2	14	1	15	1	175	1.2	188	1	189	1								
15	1.2D + Di ...	Yes	Y		1	1.2	14	1	16	1	175	1.2	188	1	190	1								
16	1.2D + Di ...	Yes	Y		1	1.2	14	1	17	1	175	1.2	188	1	191	1								

Load Combinations (Continued)

	Description	Sol..	PD..	SR..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..
17	1.2D + Di ...	Yes	Y		1	1.2	14	1	18	1	175	1.2	188	1	192	1								
18	1.2D + Di ...	Yes	Y		1	1.2	14	1	19	1	175	1.2	188	1	193	1								
19	1.2D + Di ...	Yes	Y		1	1.2	14	1	20	1	175	1.2	188	1	194	1								
20	1.2D + Di ...	Yes	Y		1	1.2	14	1	21	1	175	1.2	188	1	195	1								
21	1.2D + Di ...	Yes	Y		1	1.2	14	1	22	1	175	1.2	188	1	196	1								
22	1.2D + Di ...	Yes	Y		1	1.2	14	1	23	1	175	1.2	188	1	197	1								
23	1.2D + Di ...	Yes	Y		1	1.2	14	1	24	1	175	1.2	188	1	198	1								
24	1.2D + Di ...	Yes	Y		1	1.2	14	1	25	1	175	1.2	188	1	199	1								
25	1.2D + Di ...	Yes	Y		1	1.2	14	1	26	1	175	1.2	188	1	200	1								
26	1.2D + 1.0...	Yes	Y		1	1.2	1	.044	27	.111	175	1.2	175	.044	201	.111								
27	1.2D + 1.0...	Yes	Y		1	1.2	1	.044	28	.111	175	1.2	175	.044	202	.111								
28	1.2D + 1.0...	Yes	Y		1	1.2	1	.044	29	.111	175	1.2	175	.044	203	.111								
29	1.2D + 1.0...	Yes	Y		1	1.2	1	.044	30	.111	175	1.2	175	.044	204	.111								
30	1.2D + 1.0...	Yes	Y		1	1.2	1	.044	31	.111	175	1.2	175	.044	205	.111								
31	1.2D + 1.0...	Yes	Y		1	1.2	1	.044	32	.111	175	1.2	175	.044	206	.111								
32	1.2D + 1.0...	Yes	Y		1	1.2	1	.044	33	.111	175	1.2	175	.044	207	.111								
33	1.2D + 1.0...	Yes	Y		1	1.2	1	.044	34	.111	175	1.2	175	.044	208	.111								
34	1.2D + 1.0...	Yes	Y		1	1.2	1	.044	35	.111	175	1.2	175	.044	209	.111								
35	1.2D + 1.0...	Yes	Y		1	1.2	1	.044	36	.111	175	1.2	175	.044	210	.111								
36	1.2D + 1.0...	Yes	Y		1	1.2	1	.044	37	.111	175	1.2	175	.044	211	.111								
37	1.2D + 1.0...	Yes	Y		1	1.2	1	.044	38	.111	175	1.2	175	.044	212	.111								
38	1.2D + 1.5...	Yes	Y		1	1.2	39	1.5	2	.064	175	1.2	176	.064										
39	1.2D + 1.5...	Yes	Y		1	1.2	39	1.5	3	.064	175	1.2	177	.064										
40	1.2D + 1.5...	Yes	Y		1	1.2	39	1.5	4	.064	175	1.2	178	.064										
41	1.2D + 1.5...	Yes	Y		1	1.2	39	1.5	5	.064	175	1.2	179	.064										
42	1.2D + 1.5...	Yes	Y		1	1.2	39	1.5	6	.064	175	1.2	180	.064										
43	1.2D + 1.5...	Yes	Y		1	1.2	39	1.5	7	.064	175	1.2	181	.064										
44	1.2D + 1.5...	Yes	Y		1	1.2	39	1.5	8	.064	175	1.2	182	.064										
45	1.2D + 1.5...	Yes	Y		1	1.2	39	1.5	9	.064	175	1.2	183	.064										
46	1.2D + 1.5...	Yes	Y		1	1.2	39	1.5	10	.064	175	1.2	184	.064										
47	1.2D + 1.5...	Yes	Y		1	1.2	39	1.5	11	.064	175	1.2	185	.064										
48	1.2D + 1.5...	Yes	Y		1	1.2	39	1.5	12	.064	175	1.2	186	.064										
49	1.2D + 1.5...	Yes	Y		1	1.2	39	1.5	13	.064	175	1.2	187	.064										
50	1.2D + 1.5...	Yes	Y		1	1.2	40	1.5	2	.064	175	1.2	176	.064										
51	1.2D + 1.5...	Yes	Y		1	1.2	40	1.5	3	.064	175	1.2	177	.064										
52	1.2D + 1.5...	Yes	Y		1	1.2	40	1.5	4	.064	175	1.2	178	.064										
53	1.2D + 1.5...	Yes	Y		1	1.2	40	1.5	5	.064	175	1.2	179	.064										
54	1.2D + 1.5...	Yes	Y		1	1.2	40	1.5	6	.064	175	1.2	180	.064										
55	1.2D + 1.5...	Yes	Y		1	1.2	40	1.5	7	.064	175	1.2	181	.064										
56	1.2D + 1.5...	Yes	Y		1	1.2	40	1.5	8	.064	175	1.2	182	.064										
57	1.2D + 1.5...	Yes	Y		1	1.2	40	1.5	9	.064	175	1.2	183	.064										
58	1.2D + 1.5...	Yes	Y		1	1.2	40	1.5	10	.064	175	1.2	184	.064										
59	1.2D + 1.5...	Yes	Y		1	1.2	40	1.5	11	.064	175	1.2	185	.064										
60	1.2D + 1.5...	Yes	Y		1	1.2	40	1.5	12	.064	175	1.2	186	.064										
61	1.2D + 1.5...	Yes	Y		1	1.2	40	1.5	13	.064	175	1.2	187	.064										
62	1.2D + 1.5...	Yes	Y		1	1.2	41	1.5	2	.064	175	1.2	176	.064										
63	1.2D + 1.5...	Yes	Y		1	1.2	41	1.5	3	.064	175	1.2	177	.064										
64	1.2D + 1.5...	Yes	Y		1	1.2	41	1.5	4	.064	175	1.2	178	.064										
65	1.2D + 1.5...	Yes	Y		1	1.2	41	1.5	5	.064	175	1.2	179	.064										
66	1.2D + 1.5...	Yes	Y		1	1.2	41	1.5	6	.064	175	1.2	180	.064										
67	1.2D + 1.5...	Yes	Y		1	1.2	41	1.5	7	.064	175	1.2	181	.064										
68	1.2D + 1.5...	Yes	Y		1	1.2	41	1.5	8	.064	175	1.2	182	.064										
69	1.2D + 1.5...	Yes	Y		1	1.2	41	1.5	9	.064	175	1.2	183	.064										
70	1.2D + 1.5...	Yes	Y		1	1.2	41	1.5	10	.064	175	1.2	184	.064										
71	1.2D + 1.5...	Yes	Y		1	1.2	41	1.5	11	.064	175	1.2	185	.064										
72	1.2D + 1.5...	Yes	Y		1	1.2	41	1.5	12	.064	175	1.2	186	.064										
73	1.2D + 1.5...	Yes	Y		1	1.2	41	1.5	13	.064	175	1.2	187	.064										
74	1.2D + 1.5...	Yes	Y		1	1.2	42	1.5	2	.064	175	1.2	176	.064										
75	1.2D + 1.5...	Yes	Y		1	1.2	42	1.5	3	.064	175	1.2	177	.064										
76	1.2D + 1.5...	Yes	Y		1	1.2	42	1.5	4	.064	175	1.2	178	.064										
77	1.2D + 1.5...	Yes	Y		1	1.2	42	1.5	5	.064	175	1.2	179	.064										
78	1.2D + 1.5...	Yes	Y		1	1.2	42	1.5	6	.064	175	1.2	180	.064										
79	1.2D + 1.5...	Yes	Y		1	1.2	42	1.5	7	.064	175	1.2	181	.064										
80	1.2D + 1.5...	Yes	Y		1	1.2	42	1.5	8	.064	175	1.2	182	.064										

Load Combinations (Continued)

	Description	Sol..	PD..	SR..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..
81	1.2D + 1.5..	Yes	Y		1	1.2	42	1.5	9	.064	175	1.2	183	.064										
82	1.2D + 1.5..	Yes	Y		1	1.2	42	1.5	10	.064	175	1.2	184	.064										
83	1.2D + 1.5..	Yes	Y		1	1.2	42	1.5	11	.064	175	1.2	185	.064										
84	1.2D + 1.5..	Yes	Y		1	1.2	42	1.5	12	.064	175	1.2	186	.064										
85	1.2D + 1.5..	Yes	Y		1	1.2	42	1.5	13	.064	175	1.2	187	.064										
86	1.2D + 1.5..	Yes	Y		1	1.2	43	1.5	2	.064	175	1.2	176	.064										
87	1.2D + 1.5..	Yes	Y		1	1.2	43	1.5	3	.064	175	1.2	177	.064										
88	1.2D + 1.5..	Yes	Y		1	1.2	43	1.5	4	.064	175	1.2	178	.064										
89	1.2D + 1.5..	Yes	Y		1	1.2	43	1.5	5	.064	175	1.2	179	.064										
90	1.2D + 1.5..	Yes	Y		1	1.2	43	1.5	6	.064	175	1.2	180	.064										
91	1.2D + 1.5..	Yes	Y		1	1.2	43	1.5	7	.064	175	1.2	181	.064										
92	1.2D + 1.5..	Yes	Y		1	1.2	43	1.5	8	.064	175	1.2	182	.064										
93	1.2D + 1.5..	Yes	Y		1	1.2	43	1.5	9	.064	175	1.2	183	.064										
94	1.2D + 1.5..	Yes	Y		1	1.2	43	1.5	10	.064	175	1.2	184	.064										
95	1.2D + 1.5..	Yes	Y		1	1.2	43	1.5	11	.064	175	1.2	185	.064										
96	1.2D + 1.5..	Yes	Y		1	1.2	43	1.5	12	.064	175	1.2	186	.064										
97	1.2D + 1.5..	Yes	Y		1	1.2	43	1.5	13	.064	175	1.2	187	.064										
98	1.2D + 1.5..	Yes	Y		1	1.2	44	1.5	2	.064	175	1.2	176	.064										
99	1.2D + 1.5..	Yes	Y		1	1.2	44	1.5	3	.064	175	1.2	177	.064										
100	1.2D + 1.5..	Yes	Y		1	1.2	44	1.5	4	.064	175	1.2	178	.064										
101	1.2D + 1.5..	Yes	Y		1	1.2	44	1.5	5	.064	175	1.2	179	.064										
102	1.2D + 1.5..	Yes	Y		1	1.2	44	1.5	6	.064	175	1.2	180	.064										
103	1.2D + 1.5..	Yes	Y		1	1.2	44	1.5	7	.064	175	1.2	181	.064										
104	1.2D + 1.5..	Yes	Y		1	1.2	44	1.5	8	.064	175	1.2	182	.064										
105	1.2D + 1.5..	Yes	Y		1	1.2	44	1.5	9	.064	175	1.2	183	.064										
106	1.2D + 1.5..	Yes	Y		1	1.2	44	1.5	10	.064	175	1.2	184	.064										
107	1.2D + 1.5..	Yes	Y		1	1.2	44	1.5	11	.064	175	1.2	185	.064										
108	1.2D + 1.5..	Yes	Y		1	1.2	44	1.5	12	.064	175	1.2	186	.064										
109	1.2D + 1.5..	Yes	Y		1	1.2	44	1.5	13	.064	175	1.2	187	.064										
110	1.2D + 1.5..	Yes	Y		1	1.2	45	1.5	2	.064	175	1.2	176	.064										
111	1.2D + 1.5..	Yes	Y		1	1.2	45	1.5	3	.064	175	1.2	177	.064										
112	1.2D + 1.5..	Yes	Y		1	1.2	45	1.5	4	.064	175	1.2	178	.064										
113	1.2D + 1.5..	Yes	Y		1	1.2	45	1.5	5	.064	175	1.2	179	.064										
114	1.2D + 1.5..	Yes	Y		1	1.2	45	1.5	6	.064	175	1.2	180	.064										
115	1.2D + 1.5..	Yes	Y		1	1.2	45	1.5	7	.064	175	1.2	181	.064										
116	1.2D + 1.5..	Yes	Y		1	1.2	45	1.5	8	.064	175	1.2	182	.064										
117	1.2D + 1.5..	Yes	Y		1	1.2	45	1.5	9	.064	175	1.2	183	.064										
118	1.2D + 1.5..	Yes	Y		1	1.2	45	1.5	10	.064	175	1.2	184	.064										
119	1.2D + 1.5..	Yes	Y		1	1.2	45	1.5	11	.064	175	1.2	185	.064										
120	1.2D + 1.5..	Yes	Y		1	1.2	45	1.5	12	.064	175	1.2	186	.064										
121	1.2D + 1.5..	Yes	Y		1	1.2	45	1.5	13	.064	175	1.2	187	.064										
122	1.2D + 1.5..	Yes	Y		1	1.2	46	1.5	2	.064	175	1.2	176	.064										
123	1.2D + 1.5..	Yes	Y		1	1.2	46	1.5	3	.064	175	1.2	177	.064										
124	1.2D + 1.5..	Yes	Y		1	1.2	46	1.5	4	.064	175	1.2	178	.064										
125	1.2D + 1.5..	Yes	Y		1	1.2	46	1.5	5	.064	175	1.2	179	.064										
126	1.2D + 1.5..	Yes	Y		1	1.2	46	1.5	6	.064	175	1.2	180	.064										
127	1.2D + 1.5..	Yes	Y		1	1.2	46	1.5	7	.064	175	1.2	181	.064										
128	1.2D + 1.5..	Yes	Y		1	1.2	46	1.5	8	.064	175	1.2	182	.064										
129	1.2D + 1.5..	Yes	Y		1	1.2	46	1.5	9	.064	175	1.2	183	.064										
130	1.2D + 1.5..	Yes	Y		1	1.2	46	1.5	10	.064	175	1.2	184	.064										
131	1.2D + 1.5..	Yes	Y		1	1.2	46	1.5	11	.064	175	1.2	185	.064										
132	1.2D + 1.5..	Yes	Y		1	1.2	46	1.5	12	.064	175	1.2	186	.064										
133	1.2D + 1.5..	Yes	Y		1	1.2	46	1.5	13	.064	175	1.2	187	.064										
134	1.2D + 1.5..	Yes	Y		1	1.2	47	1.5	2	.064	175	1.2	176	.064										
135	1.2D + 1.5..	Yes	Y		1	1.2	47	1.5	3	.064	175	1.2	177	.064										
136	1.2D + 1.5..	Yes	Y		1	1.2	47	1.5	4	.064	175	1.2	178	.064										
137	1.2D + 1.5..	Yes	Y		1	1.2	47	1.5	5	.064	175	1.2	179	.064										
138	1.2D + 1.5..	Yes	Y		1	1.2	47	1.5	6	.064	175	1.2	180	.064										
139	1.2D + 1.5..	Yes	Y		1	1.2	47	1.5	7	.064	175	1.2	181	.064										
140	1.2D + 1.5..	Yes	Y		1	1.2	47	1.5	8	.064	175	1.2	182	.064										
141	1.2D + 1.5..	Yes	Y		1	1.2	47	1.5	9	.064	175	1.2	183	.064										
142	1.2D + 1.5..	Yes	Y		1	1.2	47	1.5	10	.064	175	1.2	184	.064										
143	1.2D + 1.5..	Yes	Y		1	1.2	47	1.5	11	.064	175	1.2	185	.064										
144	1.2D + 1.5..	Yes	Y		1	1.2	47	1.5	12	.064	175	1.2	186	.064										

Load Combinations (Continued)

	Description	Sol..	PD..	SR..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..
145	1.2D + 1.5...	Yes	Y		1	1.2	47	1.5	13	.064	175	1.2	187	.064										
146	1.2D + 1.5...	Yes	Y		1	1.2	48	1.5	2	.064	175	1.2	176	.064										
147	1.2D + 1.5...	Yes	Y		1	1.2	48	1.5	3	.064	175	1.2	177	.064										
148	1.2D + 1.5...	Yes	Y		1	1.2	48	1.5	4	.064	175	1.2	178	.064										
149	1.2D + 1.5...	Yes	Y		1	1.2	48	1.5	5	.064	175	1.2	179	.064										
150	1.2D + 1.5...	Yes	Y		1	1.2	48	1.5	6	.064	175	1.2	180	.064										
151	1.2D + 1.5...	Yes	Y		1	1.2	48	1.5	7	.064	175	1.2	181	.064										
152	1.2D + 1.5...	Yes	Y		1	1.2	48	1.5	8	.064	175	1.2	182	.064										
153	1.2D + 1.5...	Yes	Y		1	1.2	48	1.5	9	.064	175	1.2	183	.064										
154	1.2D + 1.5...	Yes	Y		1	1.2	48	1.5	10	.064	175	1.2	184	.064										
155	1.2D + 1.5...	Yes	Y		1	1.2	48	1.5	11	.064	175	1.2	185	.064										
156	1.2D + 1.5...	Yes	Y		1	1.2	48	1.5	12	.064	175	1.2	186	.064										
157	1.2D + 1.5...	Yes	Y		1	1.2	48	1.5	13	.064	175	1.2	187	.064										
158	1.2D + 1.5...		Y		1	1.2	49	1.5	2	.064	175	1.2	176	.064										
159	1.2D + 1.5...		Y		1	1.2	49	1.5	3	.064	175	1.2	177	.064										
160	1.2D + 1.5...		Y		1	1.2	49	1.5	4	.064	175	1.2	178	.064										
161	1.2D + 1.5...		Y		1	1.2	49	1.5	5	.064	175	1.2	179	.064										
162	1.2D + 1.5...		Y		1	1.2	49	1.5	6	.064	175	1.2	180	.064										
163	1.2D + 1.5...		Y		1	1.2	49	1.5	7	.064	175	1.2	181	.064										
164	1.2D + 1.5...		Y		1	1.2	49	1.5	8	.064	175	1.2	182	.064										
165	1.2D + 1.5...		Y		1	1.2	49	1.5	9	.064	175	1.2	183	.064										
166	1.2D + 1.5...		Y		1	1.2	49	1.5	10	.064	175	1.2	184	.064										
167	1.2D + 1.5...		Y		1	1.2	49	1.5	11	.064	175	1.2	185	.064										
168	1.2D + 1.5...		Y		1	1.2	49	1.5	12	.064	175	1.2	186	.064										
169	1.2D + 1.5...		Y		1	1.2	49	1.5	13	.064	175	1.2	187	.064										
170	1.2D + 1.5...		Y		1	1.2	50	1.5	2	.064	175	1.2	176	.064										
171	1.2D + 1.5...		Y		1	1.2	50	1.5	3	.064	175	1.2	177	.064										
172	1.2D + 1.5...		Y		1	1.2	50	1.5	4	.064	175	1.2	178	.064										
173	1.2D + 1.5...		Y		1	1.2	50	1.5	5	.064	175	1.2	179	.064										
174	1.2D + 1.5...		Y		1	1.2	50	1.5	6	.064	175	1.2	180	.064										
175	1.2D + 1.5...		Y		1	1.2	50	1.5	7	.064	175	1.2	181	.064										
176	1.2D + 1.5...		Y		1	1.2	50	1.5	8	.064	175	1.2	182	.064										
177	1.2D + 1.5...		Y		1	1.2	50	1.5	9	.064	175	1.2	183	.064										
178	1.2D + 1.5...		Y		1	1.2	50	1.5	10	.064	175	1.2	184	.064										
179	1.2D + 1.5...		Y		1	1.2	50	1.5	11	.064	175	1.2	185	.064										
180	1.2D + 1.5...		Y		1	1.2	50	1.5	12	.064	175	1.2	186	.064										
181	1.2D + 1.5...		Y		1	1.2	50	1.5	13	.064	175	1.2	187	.064										
182	1.2D + 1.5...		Y		1	1.2	51	1.5	2	.064	175	1.2	176	.064										
183	1.2D + 1.5...		Y		1	1.2	51	1.5	3	.064	175	1.2	177	.064										
184	1.2D + 1.5...		Y		1	1.2	51	1.5	4	.064	175	1.2	178	.064										
185	1.2D + 1.5...		Y		1	1.2	51	1.5	5	.064	175	1.2	179	.064										
186	1.2D + 1.5...		Y		1	1.2	51	1.5	6	.064	175	1.2	180	.064										
187	1.2D + 1.5...		Y		1	1.2	51	1.5	7	.064	175	1.2	181	.064										
188	1.2D + 1.5...		Y		1	1.2	51	1.5	8	.064	175	1.2	182	.064										
189	1.2D + 1.5...		Y		1	1.2	51	1.5	9	.064	175	1.2	183	.064										
190	1.2D + 1.5...		Y		1	1.2	51	1.5	10	.064	175	1.2	184	.064										
191	1.2D + 1.5...		Y		1	1.2	51	1.5	11	.064	175	1.2	185	.064										
192	1.2D + 1.5...		Y		1	1.2	51	1.5	12	.064	175	1.2	186	.064										
193	1.2D + 1.5...		Y		1	1.2	51	1.5	13	.064	175	1.2	187	.064										
194	1.2D + 1.5...		Y		1	1.2	52	1.5	2	.064	175	1.2	176	.064										
195	1.2D + 1.5...		Y		1	1.2	52	1.5	3	.064	175	1.2	177	.064										
196	1.2D + 1.5...		Y		1	1.2	52	1.5	4	.064	175	1.2	178	.064										
197	1.2D + 1.5...		Y		1	1.2	52	1.5	5	.064	175	1.2	179	.064										
198	1.2D + 1.5...		Y		1	1.2	52	1.5	6	.064	175	1.2	180	.064										
199	1.2D + 1.5...		Y		1	1.2	52	1.5	7	.064	175	1.2	181	.064										
200	1.2D + 1.5...		Y		1	1.2	52	1.5	8	.064	175	1.2	182	.064										
201	1.2D + 1.5...		Y		1	1.2	52	1.5	9	.064	175	1.2	183	.064										
202	1.2D + 1.5...		Y		1	1.2	52	1.5	10	.064	175	1.2	184	.064										
203	1.2D + 1.5...		Y		1	1.2	52	1.5	11	.064	175	1.2	185	.064										
204	1.2D + 1.5...		Y		1	1.2	52	1.5	12	.064	175	1.2	186	.064										
205	1.2D + 1.5...		Y		1	1.2	52	1.5	13	.064	175	1.2	187	.064										
206	1.2D + 1.5...		Y		1	1.2	53	1.5	2	.064	175	1.2	176	.064										
207	1.2D + 1.5...		Y		1	1.2	53	1.5	3	.064	175	1.2	177	.064										
208	1.2D + 1.5...		Y		1	1.2	53	1.5	4	.064	175	1.2	178	.064										

Load Combinations (Continued)

	Description	Sol..	PD..	SR..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..
209	1.2D + 1.5...		Y		1	1.2	53	1.5	5	.064	175	1.2	179	.064										
210	1.2D + 1.5...		Y		1	1.2	53	1.5	6	.064	175	1.2	180	.064										
211	1.2D + 1.5...		Y		1	1.2	53	1.5	7	.064	175	1.2	181	.064										
212	1.2D + 1.5...		Y		1	1.2	53	1.5	8	.064	175	1.2	182	.064										
213	1.2D + 1.5...		Y		1	1.2	53	1.5	9	.064	175	1.2	183	.064										
214	1.2D + 1.5...		Y		1	1.2	53	1.5	10	.064	175	1.2	184	.064										
215	1.2D + 1.5...		Y		1	1.2	53	1.5	11	.064	175	1.2	185	.064										
216	1.2D + 1.5...		Y		1	1.2	53	1.5	12	.064	175	1.2	186	.064										
217	1.2D + 1.5...		Y		1	1.2	53	1.5	13	.064	175	1.2	187	.064										
218	1.2D + 1.5...		Y		1	1.2	54	1.5	2	.064	175	1.2	176	.064										
219	1.2D + 1.5...		Y		1	1.2	54	1.5	3	.064	175	1.2	177	.064										
220	1.2D + 1.5...		Y		1	1.2	54	1.5	4	.064	175	1.2	178	.064										
221	1.2D + 1.5...		Y		1	1.2	54	1.5	5	.064	175	1.2	179	.064										
222	1.2D + 1.5...		Y		1	1.2	54	1.5	6	.064	175	1.2	180	.064										
223	1.2D + 1.5...		Y		1	1.2	54	1.5	7	.064	175	1.2	181	.064										
224	1.2D + 1.5...		Y		1	1.2	54	1.5	8	.064	175	1.2	182	.064										
225	1.2D + 1.5...		Y		1	1.2	54	1.5	9	.064	175	1.2	183	.064										
226	1.2D + 1.5...		Y		1	1.2	54	1.5	10	.064	175	1.2	184	.064										
227	1.2D + 1.5...		Y		1	1.2	54	1.5	11	.064	175	1.2	185	.064										
228	1.2D + 1.5...		Y		1	1.2	54	1.5	12	.064	175	1.2	186	.064										
229	1.2D + 1.5...		Y		1	1.2	54	1.5	13	.064	175	1.2	187	.064										
230	1.2D + 1.5...		Y		1	1.2	55	1.5	2	.064	175	1.2	176	.064										
231	1.2D + 1.5...		Y		1	1.2	55	1.5	3	.064	175	1.2	177	.064										
232	1.2D + 1.5...		Y		1	1.2	55	1.5	4	.064	175	1.2	178	.064										
233	1.2D + 1.5...		Y		1	1.2	55	1.5	5	.064	175	1.2	179	.064										
234	1.2D + 1.5...		Y		1	1.2	55	1.5	6	.064	175	1.2	180	.064										
235	1.2D + 1.5...		Y		1	1.2	55	1.5	7	.064	175	1.2	181	.064										
236	1.2D + 1.5...		Y		1	1.2	55	1.5	8	.064	175	1.2	182	.064										
237	1.2D + 1.5...		Y		1	1.2	55	1.5	9	.064	175	1.2	183	.064										
238	1.2D + 1.5...		Y		1	1.2	55	1.5	10	.064	175	1.2	184	.064										
239	1.2D + 1.5...		Y		1	1.2	55	1.5	11	.064	175	1.2	185	.064										
240	1.2D + 1.5...		Y		1	1.2	55	1.5	12	.064	175	1.2	186	.064										
241	1.2D + 1.5...		Y		1	1.2	55	1.5	13	.064	175	1.2	187	.064										
242	1.2D + 1.5...		Y		1	1.2	56	1.5	2	.064	175	1.2	176	.064										
243	1.2D + 1.5...		Y		1	1.2	56	1.5	3	.064	175	1.2	177	.064										
244	1.2D + 1.5...		Y		1	1.2	56	1.5	4	.064	175	1.2	178	.064										
245	1.2D + 1.5...		Y		1	1.2	56	1.5	5	.064	175	1.2	179	.064										
246	1.2D + 1.5...		Y		1	1.2	56	1.5	6	.064	175	1.2	180	.064										
247	1.2D + 1.5...		Y		1	1.2	56	1.5	7	.064	175	1.2	181	.064										
248	1.2D + 1.5...		Y		1	1.2	56	1.5	8	.064	175	1.2	182	.064										
249	1.2D + 1.5...		Y		1	1.2	56	1.5	9	.064	175	1.2	183	.064										
250	1.2D + 1.5...		Y		1	1.2	56	1.5	10	.064	175	1.2	184	.064										
251	1.2D + 1.5...		Y		1	1.2	56	1.5	11	.064	175	1.2	185	.064										
252	1.2D + 1.5...		Y		1	1.2	56	1.5	12	.064	175	1.2	186	.064										
253	1.2D + 1.5...		Y		1	1.2	56	1.5	13	.064	175	1.2	187	.064										
254	1.2D + 1.5...		Y		1	1.2	57	1.5	2	.064	175	1.2	176	.064										
255	1.2D + 1.5...		Y		1	1.2	57	1.5	3	.064	175	1.2	177	.064										
256	1.2D + 1.5...		Y		1	1.2	57	1.5	4	.064	175	1.2	178	.064										
257	1.2D + 1.5...		Y		1	1.2	57	1.5	5	.064	175	1.2	179	.064										
258	1.2D + 1.5...		Y		1	1.2	57	1.5	6	.064	175	1.2	180	.064										
259	1.2D + 1.5...		Y		1	1.2	57	1.5	7	.064	175	1.2	181	.064										
260	1.2D + 1.5...		Y		1	1.2	57	1.5	8	.064	175	1.2	182	.064										
261	1.2D + 1.5...		Y		1	1.2	57	1.5	9	.064	175	1.2	183	.064										
262	1.2D + 1.5...		Y		1	1.2	57	1.5	10	.064	175	1.2	184	.064										
263	1.2D + 1.5...		Y		1	1.2	57	1.5	11	.064	175	1.2	185	.064										
264	1.2D + 1.5...		Y		1	1.2	57	1.5	12	.064	175	1.2	186	.064										
265	1.2D + 1.5...		Y		1	1.2	57	1.5	13	.064	175	1.2	187	.064										
266	1.2D + 1.5...		Y		1	1.2	58	1.5	2	.064	175	1.2	176	.064										
267	1.2D + 1.5...		Y		1	1.2	58	1.5	3	.064	175	1.2	177	.064										
268	1.2D + 1.5...		Y		1	1.2	58	1.5	4	.064	175	1.2	178	.064										
269	1.2D + 1.5...		Y		1	1.2	58	1.5	5	.064	175	1.2	179	.064										
270	1.2D + 1.5...		Y		1	1.2	58	1.5	6	.064	175	1.2	180	.064										
271	1.2D + 1.5...		Y		1	1.2	58	1.5	7	.064	175	1.2	181	.064										
272	1.2D + 1.5...		Y		1	1.2	58	1.5	8	.064	175	1.2	182	.064										

Load Combinations (Continued)

	Description	Sol..	PD..	SR..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..
273	1.2D + 1.5...		Y		1	1.2	58	1.5	9	.064	175	1.2	183	.064										
274	1.2D + 1.5...		Y		1	1.2	58	1.5	10	.064	175	1.2	184	.064										
275	1.2D + 1.5...		Y		1	1.2	58	1.5	11	.064	175	1.2	185	.064										
276	1.2D + 1.5...		Y		1	1.2	58	1.5	12	.064	175	1.2	186	.064										
277	1.2D + 1.5...		Y		1	1.2	58	1.5	13	.064	175	1.2	187	.064										
278	1.2D + 1.5...		Y		1	1.2	59	1.5	2	.064	175	1.2	176	.064										
279	1.2D + 1.5...		Y		1	1.2	59	1.5	3	.064	175	1.2	177	.064										
280	1.2D + 1.5...		Y		1	1.2	59	1.5	4	.064	175	1.2	178	.064										
281	1.2D + 1.5...		Y		1	1.2	59	1.5	5	.064	175	1.2	179	.064										
282	1.2D + 1.5...		Y		1	1.2	59	1.5	6	.064	175	1.2	180	.064										
283	1.2D + 1.5...		Y		1	1.2	59	1.5	7	.064	175	1.2	181	.064										
284	1.2D + 1.5...		Y		1	1.2	59	1.5	8	.064	175	1.2	182	.064										
285	1.2D + 1.5...		Y		1	1.2	59	1.5	9	.064	175	1.2	183	.064										
286	1.2D + 1.5...		Y		1	1.2	59	1.5	10	.064	175	1.2	184	.064										
287	1.2D + 1.5...		Y		1	1.2	59	1.5	11	.064	175	1.2	185	.064										
288	1.2D + 1.5...		Y		1	1.2	59	1.5	12	.064	175	1.2	186	.064										
289	1.2D + 1.5...		Y		1	1.2	59	1.5	13	.064	175	1.2	187	.064										
290	1.2D + 1.5...		Y		1	1.2	60	1.5	2	.064	175	1.2	176	.064										
291	1.2D + 1.5...		Y		1	1.2	60	1.5	3	.064	175	1.2	177	.064										
292	1.2D + 1.5...		Y		1	1.2	60	1.5	4	.064	175	1.2	178	.064										
293	1.2D + 1.5...		Y		1	1.2	60	1.5	5	.064	175	1.2	179	.064										
294	1.2D + 1.5...		Y		1	1.2	60	1.5	6	.064	175	1.2	180	.064										
295	1.2D + 1.5...		Y		1	1.2	60	1.5	7	.064	175	1.2	181	.064										
296	1.2D + 1.5...		Y		1	1.2	60	1.5	8	.064	175	1.2	182	.064										
297	1.2D + 1.5...		Y		1	1.2	60	1.5	9	.064	175	1.2	183	.064										
298	1.2D + 1.5...		Y		1	1.2	60	1.5	10	.064	175	1.2	184	.064										
299	1.2D + 1.5...		Y		1	1.2	60	1.5	11	.064	175	1.2	185	.064										
300	1.2D + 1.5...		Y		1	1.2	60	1.5	12	.064	175	1.2	186	.064										
301	1.2D + 1.5...		Y		1	1.2	60	1.5	13	.064	175	1.2	187	.064										
302	1.2D + 1.5...		Y		1	1.2	61	1.5	2	.064	175	1.2	176	.064										
303	1.2D + 1.5...		Y		1	1.2	61	1.5	3	.064	175	1.2	177	.064										
304	1.2D + 1.5...		Y		1	1.2	61	1.5	4	.064	175	1.2	178	.064										
305	1.2D + 1.5...		Y		1	1.2	61	1.5	5	.064	175	1.2	179	.064										
306	1.2D + 1.5...		Y		1	1.2	61	1.5	6	.064	175	1.2	180	.064										
307	1.2D + 1.5...		Y		1	1.2	61	1.5	7	.064	175	1.2	181	.064										
308	1.2D + 1.5...		Y		1	1.2	61	1.5	8	.064	175	1.2	182	.064										
309	1.2D + 1.5...		Y		1	1.2	61	1.5	9	.064	175	1.2	183	.064										
310	1.2D + 1.5...		Y		1	1.2	61	1.5	10	.064	175	1.2	184	.064										
311	1.2D + 1.5...		Y		1	1.2	61	1.5	11	.064	175	1.2	185	.064										
312	1.2D + 1.5...		Y		1	1.2	61	1.5	12	.064	175	1.2	186	.064										
313	1.2D + 1.5...		Y		1	1.2	61	1.5	13	.064	175	1.2	187	.064										
314	1.2D + 1.5...		Y		1	1.2	62	1.5	2	.064	175	1.2	176	.064										
315	1.2D + 1.5...		Y		1	1.2	62	1.5	3	.064	175	1.2	177	.064										
316	1.2D + 1.5...		Y		1	1.2	62	1.5	4	.064	175	1.2	178	.064										
317	1.2D + 1.5...		Y		1	1.2	62	1.5	5	.064	175	1.2	179	.064										
318	1.2D + 1.5...		Y		1	1.2	62	1.5	6	.064	175	1.2	180	.064										
319	1.2D + 1.5...		Y		1	1.2	62	1.5	7	.064	175	1.2	181	.064										
320	1.2D + 1.5...		Y		1	1.2	62	1.5	8	.064	175	1.2	182	.064										
321	1.2D + 1.5...		Y		1	1.2	62	1.5	9	.064	175	1.2	183	.064										
322	1.2D + 1.5...		Y		1	1.2	62	1.5	10	.064	175	1.2	184	.064										
323	1.2D + 1.5...		Y		1	1.2	62	1.5	11	.064	175	1.2	185	.064										
324	1.2D + 1.5...		Y		1	1.2	62	1.5	12	.064	175	1.2	186	.064										
325	1.2D + 1.5...		Y		1	1.2	62	1.5	13	.064	175	1.2	187	.064										
326	1.2D + 1.5...		Y		1	1.2	63	1.5	2	.064	175	1.2	176	.064										
327	1.2D + 1.5...		Y		1	1.2	63	1.5	3	.064	175	1.2	177	.064										
328	1.2D + 1.5...		Y		1	1.2	63	1.5	4	.064	175	1.2	178	.064										
329	1.2D + 1.5...		Y		1	1.2	63	1.5	5	.064	175	1.2	179	.064										
330	1.2D + 1.5...		Y		1	1.2	63	1.5	6	.064	175	1.2	180	.064										
331	1.2D + 1.5...		Y		1	1.2	63	1.5	7	.064	175	1.2	181	.064										
332	1.2D + 1.5...		Y		1	1.2	63	1.5	8	.064	175	1.2	182	.064										
333	1.2D + 1.5...		Y		1	1.2	63	1.5	9	.064	175	1.2	183	.064										
334	1.2D + 1.5...		Y		1	1.2	63	1.5	10	.064	175	1.2	184	.064										
335	1.2D + 1.5...		Y		1	1.2	63	1.5	11	.064	175	1.2	185	.064										
336	1.2D + 1.5...		Y		1	1.2	63	1.5	12	.064	175	1.2	186	.064										

Load Combinations (Continued)

	Description	Sol..	PD..	SR..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..
337	1.2D + 1.5...		Y		1	1.2	63	1.5	13	.064	175	1.2	187	.064										
338	1.2D + 1.5...		Y		1	1.2	64	1.5	2	.064	175	1.2	176	.064										
339	1.2D + 1.5...		Y		1	1.2	64	1.5	3	.064	175	1.2	177	.064										
340	1.2D + 1.5...		Y		1	1.2	64	1.5	4	.064	175	1.2	178	.064										
341	1.2D + 1.5...		Y		1	1.2	64	1.5	5	.064	175	1.2	179	.064										
342	1.2D + 1.5...		Y		1	1.2	64	1.5	6	.064	175	1.2	180	.064										
343	1.2D + 1.5...		Y		1	1.2	64	1.5	7	.064	175	1.2	181	.064										
344	1.2D + 1.5...		Y		1	1.2	64	1.5	8	.064	175	1.2	182	.064										
345	1.2D + 1.5...		Y		1	1.2	64	1.5	9	.064	175	1.2	183	.064										
346	1.2D + 1.5...		Y		1	1.2	64	1.5	10	.064	175	1.2	184	.064										
347	1.2D + 1.5...		Y		1	1.2	64	1.5	11	.064	175	1.2	185	.064										
348	1.2D + 1.5...		Y		1	1.2	64	1.5	12	.064	175	1.2	186	.064										
349	1.2D + 1.5...		Y		1	1.2	64	1.5	13	.064	175	1.2	187	.064										
350	1.2D + 1.5...		Y		1	1.2	65	1.5	2	.064	175	1.2	176	.064										
351	1.2D + 1.5...		Y		1	1.2	65	1.5	3	.064	175	1.2	177	.064										
352	1.2D + 1.5...		Y		1	1.2	65	1.5	4	.064	175	1.2	178	.064										
353	1.2D + 1.5...		Y		1	1.2	65	1.5	5	.064	175	1.2	179	.064										
354	1.2D + 1.5...		Y		1	1.2	65	1.5	6	.064	175	1.2	180	.064										
355	1.2D + 1.5...		Y		1	1.2	65	1.5	7	.064	175	1.2	181	.064										
356	1.2D + 1.5...		Y		1	1.2	65	1.5	8	.064	175	1.2	182	.064										
357	1.2D + 1.5...		Y		1	1.2	65	1.5	9	.064	175	1.2	183	.064										
358	1.2D + 1.5...		Y		1	1.2	65	1.5	10	.064	175	1.2	184	.064										
359	1.2D + 1.5...		Y		1	1.2	65	1.5	11	.064	175	1.2	185	.064										
360	1.2D + 1.5...		Y		1	1.2	65	1.5	12	.064	175	1.2	186	.064										
361	1.2D + 1.5...		Y		1	1.2	65	1.5	13	.064	175	1.2	187	.064										
362	1.2D + 1.5...		Y		1	1.2	66	1.5	2	.064	175	1.2	176	.064										
363	1.2D + 1.5...		Y		1	1.2	66	1.5	3	.064	175	1.2	177	.064										
364	1.2D + 1.5...		Y		1	1.2	66	1.5	4	.064	175	1.2	178	.064										
365	1.2D + 1.5...		Y		1	1.2	66	1.5	5	.064	175	1.2	179	.064										
366	1.2D + 1.5...		Y		1	1.2	66	1.5	6	.064	175	1.2	180	.064										
367	1.2D + 1.5...		Y		1	1.2	66	1.5	7	.064	175	1.2	181	.064										
368	1.2D + 1.5...		Y		1	1.2	66	1.5	8	.064	175	1.2	182	.064										
369	1.2D + 1.5...		Y		1	1.2	66	1.5	9	.064	175	1.2	183	.064										
370	1.2D + 1.5...		Y		1	1.2	66	1.5	10	.064	175	1.2	184	.064										
371	1.2D + 1.5...		Y		1	1.2	66	1.5	11	.064	175	1.2	185	.064										
372	1.2D + 1.5...		Y		1	1.2	66	1.5	12	.064	175	1.2	186	.064										
373	1.2D + 1.5...		Y		1	1.2	66	1.5	13	.064	175	1.2	187	.064										
374	1.2D + 1.5...		Y		1	1.2	67	1.5	2	.064	175	1.2	176	.064										
375	1.2D + 1.5...		Y		1	1.2	67	1.5	3	.064	175	1.2	177	.064										
376	1.2D + 1.5...		Y		1	1.2	67	1.5	4	.064	175	1.2	178	.064										
377	1.2D + 1.5...		Y		1	1.2	67	1.5	5	.064	175	1.2	179	.064										
378	1.2D + 1.5...		Y		1	1.2	67	1.5	6	.064	175	1.2	180	.064										
379	1.2D + 1.5...		Y		1	1.2	67	1.5	7	.064	175	1.2	181	.064										
380	1.2D + 1.5...		Y		1	1.2	67	1.5	8	.064	175	1.2	182	.064										
381	1.2D + 1.5...		Y		1	1.2	67	1.5	9	.064	175	1.2	183	.064										
382	1.2D + 1.5...		Y		1	1.2	67	1.5	10	.064	175	1.2	184	.064										
383	1.2D + 1.5...		Y		1	1.2	67	1.5	11	.064	175	1.2	185	.064										
384	1.2D + 1.5...		Y		1	1.2	67	1.5	12	.064	175	1.2	186	.064										
385	1.2D + 1.5...		Y		1	1.2	67	1.5	13	.064	175	1.2	187	.064										
386	1.2D + 1.5...		Y		1	1.2	68	1.5	2	.064	175	1.2	176	.064										
387	1.2D + 1.5...		Y		1	1.2	68	1.5	3	.064	175	1.2	177	.064										
388	1.2D + 1.5...		Y		1	1.2	68	1.5	4	.064	175	1.2	178	.064										
389	1.2D + 1.5...		Y		1	1.2	68	1.5	5	.064	175	1.2	179	.064										
390	1.2D + 1.5...		Y		1	1.2	68	1.5	6	.064	175	1.2	180	.064										
391	1.2D + 1.5...		Y		1	1.2	68	1.5	7	.064	175	1.2	181	.064										
392	1.2D + 1.5...		Y		1	1.2	68	1.5	8	.064	175	1.2	182	.064										
393	1.2D + 1.5...		Y		1	1.2	68	1.5	9	.064	175	1.2	183	.064										
394	1.2D + 1.5...		Y		1	1.2	68	1.5	10	.064	175	1.2	184	.064										
395	1.2D + 1.5...		Y		1	1.2	68	1.5	11	.064	175	1.2	185	.064										
396	1.2D + 1.5...		Y		1	1.2	68	1.5	12	.064	175	1.2	186	.064										
397	1.2D + 1.5...		Y		1	1.2	68	1.5	13	.064	175	1.2	187	.064										
398	1.2D + 1.5...		Y		1	1.2	69	1.5	2	.064	175	1.2	176	.064										
399	1.2D + 1.5...		Y		1	1.2	69	1.5	3	.064	175	1.2	177	.064										
400	1.2D + 1.5...		Y		1	1.2	69	1.5	4	.064	175	1.2	178	.064										

Load Combinations (Continued)

	Description	Sol..	PD..	SR..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..
401	1.2D + 1.5...		Y		1	1.2	69	1.5	5	.064	175	1.2	179	.064										
402	1.2D + 1.5...		Y		1	1.2	69	1.5	6	.064	175	1.2	180	.064										
403	1.2D + 1.5...		Y		1	1.2	69	1.5	7	.064	175	1.2	181	.064										
404	1.2D + 1.5...		Y		1	1.2	69	1.5	8	.064	175	1.2	182	.064										
405	1.2D + 1.5...		Y		1	1.2	69	1.5	9	.064	175	1.2	183	.064										
406	1.2D + 1.5...		Y		1	1.2	69	1.5	10	.064	175	1.2	184	.064										
407	1.2D + 1.5...		Y		1	1.2	69	1.5	11	.064	175	1.2	185	.064										
408	1.2D + 1.5...		Y		1	1.2	69	1.5	12	.064	175	1.2	186	.064										
409	1.2D + 1.5...		Y		1	1.2	69	1.5	13	.064	175	1.2	187	.064										
410	1.2D + 1.5...		Y		1	1.2	70	1.5	2	.064	175	1.2	176	.064										
411	1.2D + 1.5...		Y		1	1.2	70	1.5	3	.064	175	1.2	177	.064										
412	1.2D + 1.5...		Y		1	1.2	70	1.5	4	.064	175	1.2	178	.064										
413	1.2D + 1.5...		Y		1	1.2	70	1.5	5	.064	175	1.2	179	.064										
414	1.2D + 1.5...		Y		1	1.2	70	1.5	6	.064	175	1.2	180	.064										
415	1.2D + 1.5...		Y		1	1.2	70	1.5	7	.064	175	1.2	181	.064										
416	1.2D + 1.5...		Y		1	1.2	70	1.5	8	.064	175	1.2	182	.064										
417	1.2D + 1.5...		Y		1	1.2	70	1.5	9	.064	175	1.2	183	.064										
418	1.2D + 1.5...		Y		1	1.2	70	1.5	10	.064	175	1.2	184	.064										
419	1.2D + 1.5...		Y		1	1.2	70	1.5	11	.064	175	1.2	185	.064										
420	1.2D + 1.5...		Y		1	1.2	70	1.5	12	.064	175	1.2	186	.064										
421	1.2D + 1.5...		Y		1	1.2	70	1.5	13	.064	175	1.2	187	.064										
422	1.2D + 1.5...		Y		1	1.2	71	1.5	2	.064	175	1.2	176	.064										
423	1.2D + 1.5...		Y		1	1.2	71	1.5	3	.064	175	1.2	177	.064										
424	1.2D + 1.5...		Y		1	1.2	71	1.5	4	.064	175	1.2	178	.064										
425	1.2D + 1.5...		Y		1	1.2	71	1.5	5	.064	175	1.2	179	.064										
426	1.2D + 1.5...		Y		1	1.2	71	1.5	6	.064	175	1.2	180	.064										
427	1.2D + 1.5...		Y		1	1.2	71	1.5	7	.064	175	1.2	181	.064										
428	1.2D + 1.5...		Y		1	1.2	71	1.5	8	.064	175	1.2	182	.064										
429	1.2D + 1.5...		Y		1	1.2	71	1.5	9	.064	175	1.2	183	.064										
430	1.2D + 1.5...		Y		1	1.2	71	1.5	10	.064	175	1.2	184	.064										
431	1.2D + 1.5...		Y		1	1.2	71	1.5	11	.064	175	1.2	185	.064										
432	1.2D + 1.5...		Y		1	1.2	71	1.5	12	.064	175	1.2	186	.064										
433	1.2D + 1.5...		Y		1	1.2	71	1.5	13	.064	175	1.2	187	.064										
434	1.2D + 1.5...		Y		1	1.2	72	1.5	2	.064	175	1.2	176	.064										
435	1.2D + 1.5...		Y		1	1.2	72	1.5	3	.064	175	1.2	177	.064										
436	1.2D + 1.5...		Y		1	1.2	72	1.5	4	.064	175	1.2	178	.064										
437	1.2D + 1.5...		Y		1	1.2	72	1.5	5	.064	175	1.2	179	.064										
438	1.2D + 1.5...		Y		1	1.2	72	1.5	6	.064	175	1.2	180	.064										
439	1.2D + 1.5...		Y		1	1.2	72	1.5	7	.064	175	1.2	181	.064										
440	1.2D + 1.5...		Y		1	1.2	72	1.5	8	.064	175	1.2	182	.064										
441	1.2D + 1.5...		Y		1	1.2	72	1.5	9	.064	175	1.2	183	.064										
442	1.2D + 1.5...		Y		1	1.2	72	1.5	10	.064	175	1.2	184	.064										
443	1.2D + 1.5...		Y		1	1.2	72	1.5	11	.064	175	1.2	185	.064										
444	1.2D + 1.5...		Y		1	1.2	72	1.5	12	.064	175	1.2	186	.064										
445	1.2D + 1.5...		Y		1	1.2	72	1.5	13	.064	175	1.2	187	.064										
446	1.2D + 1.5...		Y		1	1.2	73	1.5	2	.064	175	1.2	176	.064										
447	1.2D + 1.5...		Y		1	1.2	73	1.5	3	.064	175	1.2	177	.064										
448	1.2D + 1.5...		Y		1	1.2	73	1.5	4	.064	175	1.2	178	.064										
449	1.2D + 1.5...		Y		1	1.2	73	1.5	5	.064	175	1.2	179	.064										
450	1.2D + 1.5...		Y		1	1.2	73	1.5	6	.064	175	1.2	180	.064										
451	1.2D + 1.5...		Y		1	1.2	73	1.5	7	.064	175	1.2	181	.064										
452	1.2D + 1.5...		Y		1	1.2	73	1.5	8	.064	175	1.2	182	.064										
453	1.2D + 1.5...		Y		1	1.2	73	1.5	9	.064	175	1.2	183	.064										
454	1.2D + 1.5...		Y		1	1.2	73	1.5	10	.064	175	1.2	184	.064										
455	1.2D + 1.5...		Y		1	1.2	73	1.5	11	.064	175	1.2	185	.064										
456	1.2D + 1.5...		Y		1	1.2	73	1.5	12	.064	175	1.2	186	.064										
457	1.2D + 1.5...		Y		1	1.2	73	1.5	13	.064	175	1.2	187	.064										
458	1.2D + 1.5...		Y		1	1.2	74	1.5	2	.064	175	1.2	176	.064										
459	1.2D + 1.5...		Y		1	1.2	74	1.5	3	.064	175	1.2	177	.064										
460	1.2D + 1.5...		Y		1	1.2	74	1.5	4	.064	175	1.2	178	.064										
461	1.2D + 1.5...		Y		1	1.2	74	1.5	5	.064	175	1.2	179	.064										
462	1.2D + 1.5...		Y		1	1.2	74	1.5	6	.064	175	1.2	180	.064										
463	1.2D + 1.5...		Y		1	1.2	74	1.5	7	.064	175	1.2	181	.064										
464	1.2D + 1.5...		Y		1	1.2	74	1.5	8	.064	175	1.2	182	.064										

Load Combinations (Continued)

	Description	Sol..	PD..	SR..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..
465	1.2D + 1.5...		Y		1	1.2	74	1.5	9	.064	175	1.2	183	.064										
466	1.2D + 1.5...		Y		1	1.2	74	1.5	10	.064	175	1.2	184	.064										
467	1.2D + 1.5...		Y		1	1.2	74	1.5	11	.064	175	1.2	185	.064										
468	1.2D + 1.5...		Y		1	1.2	74	1.5	12	.064	175	1.2	186	.064										
469	1.2D + 1.5...		Y		1	1.2	74	1.5	13	.064	175	1.2	187	.064										
470	1.2D + 1.5...	Yes	Y		1	1.2	75	1.5	175	1.2														
471	1.2D + 1.5...	Yes	Y		1	1.2	76	1.5	175	1.2														
472	1.2D + 1.5...	Yes	Y		1	1.2	77	1.5	175	1.2														
473	1.2D + 1.5...	Yes	Y		1	1.2	78	1.5	175	1.2														
474	1.2D + 1.5...	Yes	Y		1	1.2	79	1.5	175	1.2														
475	1.2D + 1.5...	Yes	Y		1	1.2	80	1.5	175	1.2														
476	1.2D + 1.5...	Yes	Y		1	1.2	81	1.5	175	1.2														
477	1.2D + 1.5...	Yes	Y		1	1.2	82	1.5	175	1.2														
478	1.2D + 1.5...	Yes	Y		1	1.2	83	1.5	175	1.2														
479	1.2D + 1.5...	Yes	Y		1	1.2	84	1.5	175	1.2														
480	1.2D + 1.5...	Yes	Y		1	1.2	85	1.5	175	1.2														
481	1.2D + 1.5...	Yes	Y		1	1.2	86	1.5	175	1.2														
482	1.2D + 1.5...	Yes	Y		1	1.2	87	1.5	175	1.2														
483	1.2D + 1.5...	Yes	Y		1	1.2	88	1.5	175	1.2														
484	1.2D + 1.5...	Yes	Y		1	1.2	89	1.5	175	1.2														
485	1.2D + 1.5...	Yes	Y		1	1.2	90	1.5	175	1.2														
486	1.2D + 1.5...	Yes	Y		1	1.2	91	1.5	175	1.2														
487	1.2D + 1.5...	Yes	Y		1	1.2	92	1.5	175	1.2														
488	1.2D + 1.5...		Y		1	1.2	93	1.5	175	1.2														
489	1.2D + 1.5...		Y		1	1.2	94	1.5	175	1.2														
490	1.2D + 1.5...		Y		1	1.2	95	1.5	175	1.2														
491	1.2D + 1.5...		Y		1	1.2	96	1.5	175	1.2														
492	1.2D + 1.5...		Y		1	1.2	97	1.5	175	1.2														
493	1.2D + 1.5...		Y		1	1.2	98	1.5	175	1.2														
494	1.2D + 1.5...		Y		1	1.2	99	1.5	175	1.2														
495	1.2D + 1.5...		Y		1	1.2	100	1.5	175	1.2														
496	1.2D + 1.5...		Y		1	1.2	101	1.5	175	1.2														
497	1.2D + 1.5...		Y		1	1.2	102	1.5	175	1.2														
498	1.2D + 1.5...		Y		1	1.2	103	1.5	175	1.2														
499	1.2D + 1.5...		Y		1	1.2	104	1.5	175	1.2														
500	1.2D + 1.5...		Y		1	1.2	105	1.5	175	1.2														
501	1.2D + 1.5...		Y		1	1.2	106	1.5	175	1.2														
502	1.2D + 1.5...		Y		1	1.2	107	1.5	175	1.2														
503	1.2D + 1.5...		Y		1	1.2	108	1.5	175	1.2														
504	1.2D + 1.5...		Y		1	1.2	109	1.5	175	1.2														
505	1.2D + 1.5...		Y		1	1.2	110	1.5	175	1.2														
506	1.2D + 1.5...		Y		1	1.2	111	1.5	175	1.2														
507	1.2D + 1.5...		Y		1	1.2	112	1.5	175	1.2														
508	1.2D + 1.5...		Y		1	1.2	113	1.5	175	1.2														
509	1.2D + 1.5...		Y		1	1.2	114	1.5	175	1.2														
510	1.2D + 1.5...		Y		1	1.2	115	1.5	175	1.2														
511	1.2D + 1.5...		Y		1	1.2	116	1.5	175	1.2														
512	1.2D + 1.5...		Y		1	1.2	117	1.5	175	1.2														
513	1.2D + 1.5...		Y		1	1.2	118	1.5	175	1.2														
514	1.2D + 1.5...		Y		1	1.2	119	1.5	175	1.2														
515	1.2D + 1.5...		Y		1	1.2	120	1.5	175	1.2														
516	1.2D + 1.5...		Y		1	1.2	121	1.5	175	1.2														
517	1.2D + 1.5...		Y		1	1.2	122	1.5	175	1.2														
518	1.2D + 1.5...		Y		1	1.2	123	1.5	175	1.2														
519	1.2D + 1.5...		Y		1	1.2	124	1.5	175	1.2														
520	1.2D + 1.5...		Y		1	1.2	125	1.5	175	1.2														
521	1.2D + 1.5...		Y		1	1.2	126	1.5	175	1.2														
522	1.2D + 1.5...		Y		1	1.2	127	1.5	175	1.2														
523	1.2D + 1.5...		Y		1	1.2	128	1.5	175	1.2														
524	1.2D + 1.5...		Y		1	1.2	129	1.5	175	1.2														
525	1.2D + 1.5...		Y		1	1.2	130	1.5	175	1.2														
526	1.2D + 1.5...		Y		1	1.2	131	1.5	175	1.2														
527	1.2D + 1.5...		Y		1	1.2	132	1.5	175	1.2														
528	1.2D + 1.5...		Y		1	1.2	133	1.5	175	1.2														

Load Combinations (Continued)

	Description	Sol..	PD..	SR..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..
529	1.2D + 1.5...		Y		1	1.2	134	1.5	175	1.2																
530	1.2D + 1.5...		Y		1	1.2	135	1.5	175	1.2																
531	1.2D + 1.5...		Y		1	1.2	136	1.5	175	1.2																
532	1.2D + 1.5...		Y		1	1.2	137	1.5	175	1.2																
533	1.2D + 1.5...		Y		1	1.2	138	1.5	175	1.2																
534	1.2D + 1.5...		Y		1	1.2	139	1.5	175	1.2																
535	1.2D + 1.5...		Y		1	1.2	140	1.5	175	1.2																
536	1.2D + 1.5...		Y		1	1.2	141	1.5	175	1.2																
537	1.2D + 1.5...		Y		1	1.2	142	1.5	175	1.2																
538	1.2D + 1.5...		Y		1	1.2	143	1.5	175	1.2																
539	1.2D + 1.5...		Y		1	1.2	144	1.5	175	1.2																
540	1.2D + 1.5...		Y		1	1.2	145	1.5	175	1.2																
541	1.2D + 1.5...		Y		1	1.2	146	1.5	175	1.2																
542	1.2D + 1.5...		Y		1	1.2	147	1.5	175	1.2																
543	1.2D + 1.5...		Y		1	1.2	148	1.5	175	1.2																
544	1.2D + 1.5...		Y		1	1.2	149	1.5	175	1.2																
545	1.2D + 1.5...		Y		1	1.2	150	1.5	175	1.2																
546	1.2D + 1.5...		Y		1	1.2	151	1.5	175	1.2																
547	1.2D + 1.5...		Y		1	1.2	152	1.5	175	1.2																
548	1.2D + 1.5...		Y		1	1.2	153	1.5	175	1.2																
549	1.2D + 1.5...		Y		1	1.2	154	1.5	175	1.2																
550	1.2D + 1.5...		Y		1	1.2	155	1.5	175	1.2																
551	1.2D + 1.5...		Y		1	1.2	156	1.5	175	1.2																
552	1.2D + 1.5...		Y		1	1.2	157	1.5	175	1.2																
553	1.2D + 1.5...		Y		1	1.2	158	1.5	175	1.2																
554	1.2D + 1.5...		Y		1	1.2	159	1.5	175	1.2																
555	1.2D + 1.5...		Y		1	1.2	160	1.5	175	1.2																
556	1.2D + 1.5...		Y		1	1.2	161	1.5	175	1.2																
557	1.2D + 1.5...		Y		1	1.2	162	1.5	175	1.2																
558	1.2D + 1.5...		Y		1	1.2	163	1.5	175	1.2																
559	1.2D + 1.5...		Y		1	1.2	164	1.5	175	1.2																
560	1.2D + 1.5...		Y		1	1.2	165	1.5	175	1.2																
561	1.2D + 1.5...		Y		1	1.2	166	1.5	175	1.2																
562	1.2D + 1.5...		Y		1	1.2	167	1.5	175	1.2																
563	1.2D + 1.5...		Y		1	1.2	168	1.5	175	1.2																
564	1.2D + 1.5...		Y		1	1.2	169	1.5	175	1.2																
565	1.2D + 1.5...		Y		1	1.2	170	1.5	175	1.2																
566	1.2D + 1.5...		Y		1	1.2	171	1.5	175	1.2																
567	1.2D + 1.5...		Y		1	1.2	172	1.5	175	1.2																
568	1.2D + 1.5...		Y		1	1.2	173	1.5	175	1.2																
569	1.2D + 1.5...		Y		1	1.2	174	1.5	175	1.2																

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [lb-ft]	LC	MY [lb-ft]	LC	MZ [lb-ft]	LC
1	N1	max	808.71	8	1609.829	18	790.104	12	-214.456	12	1248.54	9	-614.315	11
2		min	-923.973	2	277.251	12	-599.199	6	-6030.959	138	-1239.557	3	-5105.847	41
3	N2	max	493.631	8	1612.913	22	791.185	11	6585.691	82	1139.198	12	279.615	5
4		min	-601.697	2	250.401	4	-986.634	5	612.306	4	-1131.488	6	-4187.125	71
5	N3	max	980.052	8	1665.847	14	752.327	11	1259.823	101	1343.931	5	6323.484	110
6		min	-756.729	2	303.858	8	-748.469	5	-2300.026	119	-1334.427	11	574.173	8
7	Totals:	max	2282.392	8	4534.379	14	2307.662	11						
8		min	-2282.399	2	2300.581	8	-2307.672	5						

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

	Member	Shape	Code Check	Loc[i...	LC	Shear ...	Loc[i...	Dir	LC	phi*Pnc [...	phi*Pnt...	phi*Mn y...	phi*Mn ...	Cb	Eqn
1	SA-3	HSS4X4X4	.595	0	111	.275	0	y	119	99761.205	106155	12311.25	12311.25	1.7...	H3-6
2	SA-2	HSS4X4X4	.592	0	82	.274	0	y	79	99761.158	106155	12311.25	12311.25	1.7...	H3-6
3	SA-1	HSS4X4X4	.592	0	42	.274	0	y	39	99761.104	106155	12311.25	12311.25	1.7...	H3-6
4	PL11	PL3/8x6	.351	1	11	.011	1	y	17	70566.124	70875	553.712	8859.375	1.0...	H1-...
5	PL23	PL3/8x6	.341	1	3	.011	1	y	21	70566.124	70875	553.712	8859.375	1.0...	H1-...
6	BRACE-1-2B	L4X4X6	.337	24.25	40	.543	24.25	y	41	85730.743	90090	4276.299	9611.77	1.6...	H2-1

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

	Member	Shape	Code Check	Loc[i...	LC	Shear ...	Loc[i...	Dir	LC	phi*Pnc [...	phi*Pnt...	phi*Mn y...	phi*Mn ...	Cb	Eqn
7	BRACE-2-2B	L4X4X6	.337	0	80	.543	0	z	81	85729.177	90090	4276.299	9611.77	1.6...	H2-1
8	BRACE-3-2B	L4X4X6	.336	24.25	120	.542	24.25	y	121	85730.692	90090	4276.299	9611.77	1.6...	H2-1
9	PL35	PL3/8x6	.328	1	7	.011	1	y	25	70566.124	70875	553.712	8859.375	1.0...	H1-...
10	PL12	PL3/8x6	.303	4.5	11	.022	4.5	y	25	64876.201	70875	553.712	8859.375	2.2...	H1-...
11	PL24	PL3/8x6	.294	4.5	3	.022	4.5	y	17	64876.104	70875	553.712	8859.375	2.2...	H1-...
12	PL36	PL3/8x6	.283	4.5	7	.022	4.5	y	21	64875.341	70875	553.712	8859.375	2.2...	H1-...
13	PL3	PL3/8x6	.281	1	11	.011	0	z	6	70566.124	70875	553.712	8859.375	1.0...	H1-...
14	PL15	PL3/8x6	.276	1	3	.012	0	z	10	70566.124	70875	553.712	8859.375	1.0...	H1-...
15	PL27	PL3/8x6	.263	1	7	.011	0	z	2	70566.124	70875	553.712	8859.375	1.0...	H1-...
16	BRACE-2-1B	L4X4X6	.256	0	82	.299	0	y	81	80859.585	90090	4276.299	9611.77	1.6...	H2-1
17	BRACE-3-1A	L4X4X6	.256	0	111	.299	0	y	121	80860.931	90090	4276.299	9611.77	1.6...	H2-1
18	BRACE-1-1B	L4X4X6	.256	0	42	.299	0	y	41	80860.928	90090	4276.299	9611.77	1.6...	H2-1
19	BRACE-1-1A	L4X4X6	.251	35.7...	137	.287	35.7...	y	139	80860.75	90090	4276.299	9611.77	1.6...	H2-1
20	BRACE-2-1A	L4X4X6	.251	35.7...	70	.287	35.7...	y	71	80862.092	90090	4276.299	9611.77	1.6...	H2-1
21	BRACE-3-1B	L4X4X6	.251	35.7...	98	.287	35.7...	y	99	80860.982	90090	4276.299	9611.77	1.6...	H2-1
22	PL2	PL3/8x6	.240	0	5	.155	0	y	41	64876.201	70875	553.712	8859.375	1.4...	H1-...
23	PL4	PL3/8x6	.240	4.5	11	.032	4.5	y	14	64876.201	70875	553.712	8859.375	1.5...	H1-...
24	PL14	PL3/8x6	.238	0	9	.155	0	y	81	64875.341	70875	553.712	8859.375	1.4...	H1-...
25	PL16	PL3/8x6	.236	4.5	3	.032	4.5	y	18	64875.341	70875	553.712	8859.375	1.5...	H1-...
26	BRACE-3-2A	L4X4X6	.232	0	100	.387	0	y	99	85730.692	90090	4276.299	9611.77	1.6...	H2-1
27	BRACE-1-2A	L4X4X6	.232	0	140	.387	0	y	139	85730.439	90090	4276.299	9611.77	1.6...	H2-1
28	BRACE-2-2A	L4X4X6	.232	24.2...	72	.387	24.2...	z	71	85732.004	90090	4276.299	9611.77	1.6...	H2-1
29	PL26	PL3/8x6	.226	0	13	.155	0	y	121	64876.104	70875	553.712	8859.375	1.4...	H1-...
30	PL28	PL3/8x6	.225	4.5	7	.032	4.5	y	22	64876.104	70875	553.712	8859.375	1.5...	H1-...
31	PL10	PL3/8x6	.208	0	10	.110	0	y	71	64876.201	70875	553.712	8859.375	1.4...	H1-...
32	PL22	PL3/8x6	.198	0	2	.110	0	y	99	64876.104	70875	553.712	8859.375	1.4...	H1-...
33	PL34	PL3/8x6	.195	0	6	.110	0	y	139	64875.341	70875	553.712	8859.375	1.4...	H1-...
34	PL9	PL3/8x6	.175	1	10	.186	0	y	71	70566.124	70875	553.712	8859.375	1.6...	H1-...
35	PL1	PL3/8x6	.167	1	5	.262	0	y	41	70566.124	70875	553.712	8859.375	1.6...	H1-...
36	PL21	PL3/8x6	.167	1	2	.186	0	y	99	70566.124	70875	553.712	8859.375	1.6...	H1-...
37	PL13	PL3/8x6	.165	1	9	.262	0	y	81	70566.124	70875	553.712	8859.375	1.6...	H1-...
38	PL33	PL3/8x6	.164	1	6	.186	0	y	139	70566.124	70875	553.712	8859.375	1.6...	H1-...
39	MP1	PIPE_2.5	.160	30	4	.065	30		5	30038.461	50715	3596.25	3596.25	3.2...	H1-...
40	HR-BRACE-2	L2.5x2.5x3	.160	0	11	.063	0	z	79	15463.913	28381.5	848.336	1729.77	1.4...	H2-1
41	MP4	PIPE_2.5	.158	30	9	.063	30		9	30038.461	50715	3596.25	3596.25	3.4...	H1-...
42	MP7	PIPE_2.5	.155	30	12	.061	30		13	30038.461	50715	3596.25	3596.25	1.33	H1-...
43	PL25	PL3/8x6	.155	1	13	.262	0	y	121	70566.124	70875	553.712	8859.375	1.6...	H1-...
44	HR-BRACE-3	L2.5x2.5x3	.154	0	3	.063	0	z	119	15464.119	28381.5	848.336	1724.327	1.4...	H2-1
45	HR-BRACE-1	L2.5x2.5x3	.149	52.5...	8	.063	0	y	39	15463.913	28381.5	848.336	1807.703	1.7...	H2-1
46	MP5	PIPE_2.5	.139	30	3	.092	30		3	30038.461	50715	3596.25	3596.25	4.5...	H1-...
47	MP2	PIPE_2.5	.138	30	11	.093	30		11	30038.461	50715	3596.25	3596.25	2.4...	H1-...
48	MP3	PIPE_2.5	.133	30	11	.061	30		4	30038.461	50715	3596.25	3596.25	3.5...	H1-...
49	MP6	PIPE_2.5	.133	30	3	.059	30		8	30038.461	50715	3596.25	3596.25	2.4...	H1-...
50	MP8	PIPE_2.5	.132	30	7	.087	30		7	30038.461	50715	3596.25	3596.25	4.8...	H1-...
51	MP9	PIPE_2.5	.126	30	7	.058	30		12	30038.461	50715	3596.25	3596.25	4.3...	H1-...
52	PL30	PL3/8x6	.115	0	5	.129	0	y	120	67182.206	70875	553.712	8859.375	1.3...	H1-...
53	PL6	PL3/8x6	.112	0	9	.127	0	y	41	67182.401	70875	553.712	8859.375	1.3...	H1-...
54	PL20	PL3/8x6	.106	0	11	.122	0	y	99	67182.304	70875	553.712	8859.375	1.3...	H1-...
55	HR-120	PIPE_2.5	.106	90	3	.090	6		2	31137.559	50715	3596.25	3596.25	1.7...	H1-...
56	PL18	PL3/8x6	.105	0	13	.127	0	y	81	67182.401	70875	553.712	8859.375	1.3...	H1-...
57	HR-0	PIPE_2.5	.103	90	11	.085	90		5	31137.559	50715	3596.25	3596.25	1.7...	H1-...
58	PL32	PL3/8x6	.102	0	3	.122	0	y	139	67181.699	70875	553.712	8859.375	1.3...	H1-...
59	HR-240	PIPE_2.5	.098	90	7	.089	6		12	31137.559	50715	3596.25	3596.25	1.7...	H1-...
60	PL8	PL3/8x6	.097	0	7	.122	0	y	71	67181.699	70875	553.712	8859.375	1.3...	H1-...
61	PL19	PL3/8x6	.093	1	10	.191	0	y	99	70566.124	70875	553.712	8859.375	1.6...	H1-...
62	PL29	PL3/8x6	.093	1	5	.199	0	y	121	70566.124	70875	553.712	8859.375	1.6...	H1-...
63	FM-120	PIPE_3.0	.091	48	88	.078	48		3	60525.951	65205	5748.75	5748.75	1.59	H1-...
64	FM-240	PIPE_3.0	.091	48	127	.076	6		6	60525.951	65205	5748.75	5748.75	1.5...	H1-...
65	PL5	PL3/8x6	.088	1	9	.199	0	y	41	70566.124	70875	553.712	8859.375	1.6...	H1-...
66	FM-0	PIPE_3.0	.088	48	53	.078	26		10	60525.951	65205	5748.75	5748.75	1.5...	H1-...
67	PL31	PL3/8x6	.085	1	2	.191	0	y	139	70566.124	70875	553.712	8859.375	1.6...	H1-...
68	PL17	PL3/8x6	.083	1	13	.199	0	y	81	70566.124	70875	553.712	8859.375	1.6...	H1-...
69	PL7	PL3/8x6	.079	1	6	.191	0	y	71	70566.124	70875	553.712	8859.375	1.6...	H1-...

TIA-222-H 4-Bolt Connection Check

Connection Details	
Bolt Diameter =	0.625 in
Bolt Quantity =	4
Bolt Threads/Inch, n =	11
Vertical Bolt Spacing =	6.000 in
Horizontal Bolt Spacing =	6.000 in
Bolt Grade =	A325
Plate Height =	8.000 in
Plate Width =	8.000 in
Plate Thickness =	0.75
Plate Grade =	A36
Standoff Member Type=	HSS
Member Height =	4.000 in
Member Width =	4.000 in
Member Thickness =	0.250 in
Use TIA-222-H Section 15.5?	No
Weld Size =	1/4 in

ENGINEERED
TOWER SOLUTIONS

Connection Check (Bolts)			
Ø =	0.75		Strength Reduction Factor
A_n =	0.226	in^2	Net Bolt Area (AISC Table 7-17)
A_b =	0.307	in^2	Gross Bolt Area
Fu_{bolt} =	120	ksi	Bolt Ultimate Stress Capacity
$ØR_{nt}$ =	20.34	kip	Bolt Nominal Tensile Capacity (TIA-H 4.9.6.1)
$ØR_{nv}$ =	13.81	kip	Bolt Nominal Shear Capacity (TIA-H 4.9.6.3)
Vu_{bolt} =	3.536	kip	Shear Force Per Bolt
Tu_{bolt} =	6.364	kip	Tension Force Per Bolt
CSR =	31.3%	OK	(TIA 4.9.6.4)

Connection Check (Plate)			
Ø =	0.9		Strength Reduction Factor
F_y =	36	ksi	Plate Yield Capacity
YL_H =	7.48	in	Horizontal plate yield line
YL_V =	7.48	in	Vertical plate yield line
YL_D =	5.66	in	Diagonal plate yield line
M_{max} =	9.0	kip-in	Plate Bending Moment
F_b =	32.4	ksi	Nominal Plate Yield Capacity
f_b =	11.3	ksi	Plate Bending Stress Demand
CSR =	34.9%	OK	

Connection Check (Welds)			
Ø =	0.75		Strength Reduction Factor
F_{EXX} =	70	ksi	Filler Metal Strength (70 ksi assumed)
Fu_{bm} =	58	ksi	Base Metal Strength
$ØR_n$ =	5.6	k/in	Nominal Weld Capacity
R_u =	3.7	k/in	Weld Shear Demand
CSR =	66.8%	OK	

POWER DENSITY STUDY

APPROVED

Pinnacle Telecom Group

Professional and Technical Services

Telecom Consulting

Antenna Site FCC RF Compliance Assessment and Report for Municipal Submission

Prepared for:	Dish Wireless, LLC
Site ID:	NJJER01130A
Site Address:	1069 Connecticut Avenue Bridgeport, CT
Latitude:	N 41.18361667
Longitude:	W 73.158383330
Structure type:	Monopole
Report date:	March 7, 2022
Compliance Conclusion:	Dish Wireless, LLC will be in compliance with the rules and regulations as described in OET Bulletin 65, following the implementation of the proposed mitigation as detailed in the report.

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Contents

Introduction and Summary

At the request of Dish Wireless, LLC ("Dish"), Pinnacle Telecom Group has performed an independent expert assessment of radiofrequency (RF) levels and related FCC compliance for proposed wireless base station antenna operations on an existing monopole located at 1069 Connecticut Avenue in Bridgeport, CT. Dish refers to the antenna site by the code "NJJER01130A", and its proposed operation involves directional panel antennas and transmission in the 600 MHz, 2000 MHz and 2100 MHz frequency bands licensed to it by the FCC.

The FCC requires all wireless antenna operators to perform an assessment of potential human exposure to radiofrequency (RF) fields emanating from all the transmitting antennas at a site whenever antenna operations are added or modified, and to ensure compliance with the Maximum Permissible Exposure (MPE) limit in the FCC's regulations. In this case, the compliance assessment needs to take into account the RF effects of other existing antenna operations at the site by AT&T, Clearwire, MetroPCS and T-Mobile. Note that FCC regulations require any future antenna collocators to assess and assure continuing compliance based on the cumulative effects of all then-proposed and then-existing antennas at the site.

This report describes a mathematical analysis of RF levels resulting around the site in areas of unrestricted public access, that is, at street level around the site. The compliance analysis employs a standard FCC formula for calculating the effects of the antennas in a very conservative manner, in order to overstate the RF levels and to ensure "safe-side" conclusions regarding compliance with the FCC limit for safe continuous exposure of the general public.

The results of a compliance assessment can be described in layman's terms by expressing the calculated RF levels as simple percentages of the FCC MPE limit. If the normalized reference for that limit is 100 percent, then calculated RF levels higher than 100 percent indicate the MPE limit is exceeded and there is a need to mitigate the potential exposure. On the other hand, calculated RF levels consistently below 100 percent serve as a clear and sufficient demonstration of

compliance with the MPE limit. We can (and will) also describe the overall worst-case result via the “plain-English” equivalent “times-below-the-limit” factor.
The result of the RF compliance assessment in this case is as follows:

- At street level, the conservatively calculated maximum RF level from the combination of proposed and existing antenna operations at the site is 4.5380 percent of the FCC general population MPE limit – well below the 100-percent reference for compliance. In other words, the worst-case calculated RF level – intentionally and significantly overstated by the calculations – is still more than 22 times below the FCC limit for safe, continuous exposure of the general public.
- A supplemental analysis of the RF levels at the same height as the Dish antennas indicate that the FCC MPE limit is potentially exceeded. Therefore, it is recommended that two Caution signs be installed six feet below the antennas. In addition, NOC Information signs are to be installed at the base of the monopole.
- The results of the calculations, along with the proposed mitigation, combine to satisfy the FCC requirements and associated guidelines on RF compliance at street level around the site and on the subject roof. Moreover, because of the significant conservatism incorporated in the analysis, RF levels actually caused by the antennas will be lower than these calculations indicate.

The remainder of this report provides the following:

- relevant technical data on the proposed Dish antenna operations at the site, as well as on the other existing antenna operations;
- a description of the applicable FCC mathematical model for calculating RF levels, and application of the relevant technical data to that model;
- analysis of the results of the calculations against the FCC MPE limit, and the compliance conclusion for the site.

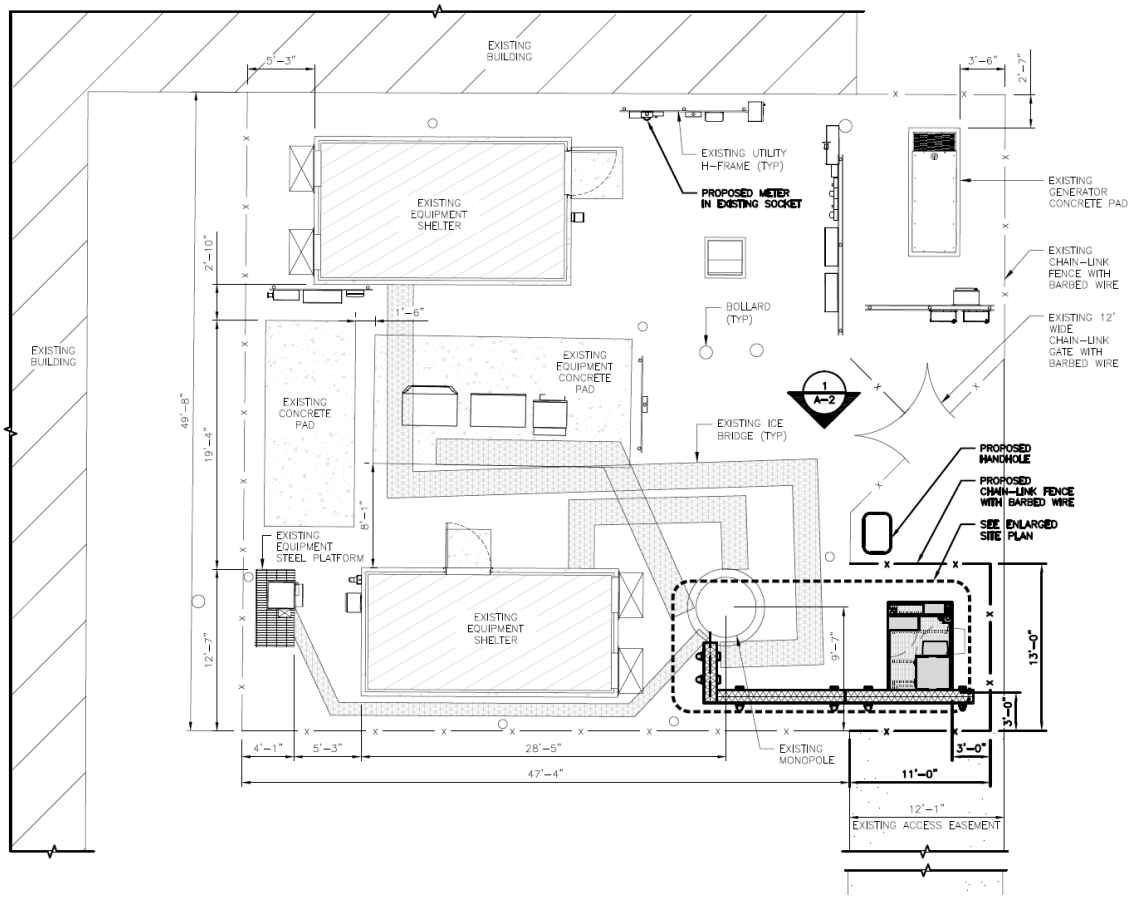
In addition, four Appendices are included. Appendix A provides information on the documents used to prepare the analysis. Appendix B provides background on the

FCC MPE limit. Appendix C details the proposed mitigation to satisfy the FCC requirements and associated guidelines on RF compliance. Appendix D provides a summary of the qualifications of the expert certifying FCC compliance for this site.

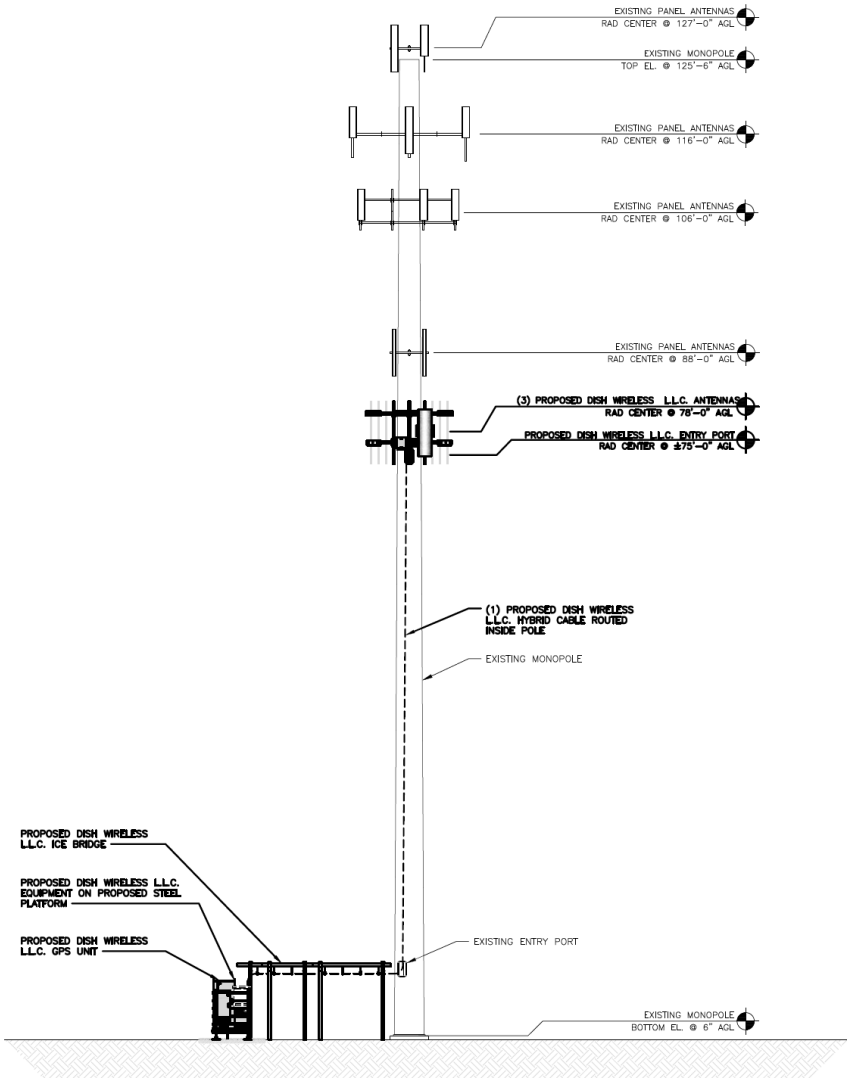
Antenna and Transmission Data

The plan and elevation views that follow, extracted from the site drawings, illustrate the mounting positions of the Dish antennas at the site.

Plan View:



Elevation View:



The table that follows summarizes the relevant data for the proposed Dish antenna operations. Note that the "Z" height references the centerline of the antenna.

Ant. ID	Carrier	Antenna Manufacturer	Antenna Model	Type	Freq (MHz)	Ant. Dim. (ft.)	Total Input Power (watts)	Total ERP (watts)	Z AGL (ft)	Ant. Gain (dBd)	B/W	Azimuth	EDT	MDT
❶	Dish	JMA Wireless	MX08FRO665-21	Panel	600	6	120	1637	78	11.46	68	60	2	0
❶	Dish	JMA Wireless	MX08FRO665-21	Panel	2000	6	160	6011	78	16.16	62	60	2	0
❶	Dish	JMA Wireless	MX08FRO665-21	Panel	2100	6	160	7567	78	16.66	64	60	2	0
❷	Dish	JMA Wireless	MX08FRO665-21	Panel	600	6	120	1637	78	11.46	68	180	2	0
❷	Dish	JMA Wireless	MX08FRO665-21	Panel	2000	6	160	6011	78	16.16	62	180	2	0
❷	Dish	JMA Wireless	MX08FRO665-21	Panel	2100	6	160	7567	78	16.66	64	180	2	0
❸	Dish	JMA Wireless	MX08FRO665-21	Panel	600	6	120	1637	78	11.46	68	300	2	0
❸	Dish	JMA Wireless	MX08FRO665-21	Panel	2000	6	160	6011	78	16.16	62	300	2	0
❸	Dish	JMA Wireless	MX08FRO665-21	Panel	2100	6	160	7567	78	16.66	64	300	2	0

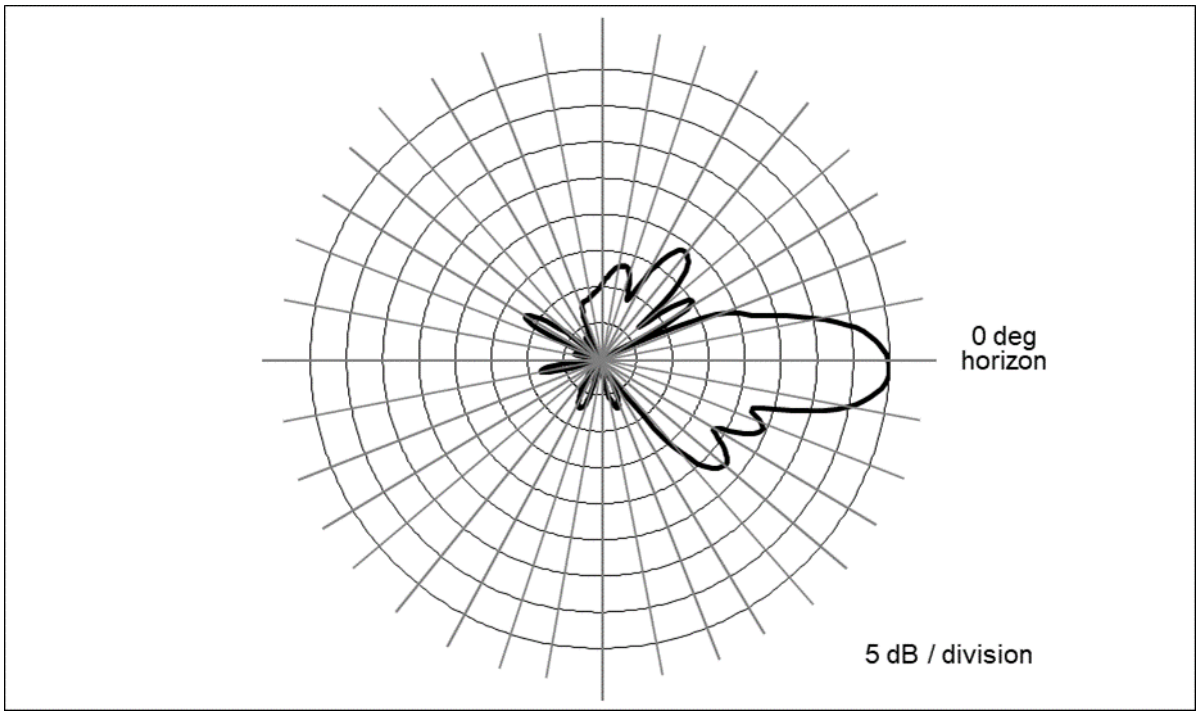
The area below the antennas, at street level, is of interest in terms of potential "uncontrolled" exposure of the general public, so the antenna's vertical-plane emission characteristic is used in the calculations, as it is a key determinant of the relative amount of RF emissions in the "downward" direction.

By way of illustration, Figure 1 that follows shows the vertical-plane radiation pattern of the proposed antenna model in the 600 MHz frequency band. In this type of antenna radiation pattern diagram, the antenna is effectively pointed at the three o'clock position (the horizon) and the relative strength of the pattern at different angles is described using decibel units.

Note that the use of a decibel scale to describe the relative pattern at different angles actually serves to significantly understate the actual focusing effects of the antenna. Where the antenna pattern reads 20 dB the relative RF energy emitted at the corresponding downward angle is 1/100th of the maximum that occurs in the main beam (at 0 degrees); at 30 dB, the energy is only 1/1000th of the maximum.

Finally, note that the automatic pattern-scaling feature of our internal software may skew side-by-side visual comparisons of different antenna models, or even different parties' depictions of the same antenna model.

Figure 1. JMA Wireless MX08FRO665-21– 600 MHz Vertical-plane Pattern



As noted at the outset, there are other existing wireless antenna operations to include in the compliance assessment. For each of the wireless operators, we will conservatively assume operation with maximum channel capacity and at maximum transmitter power per channel to be used by each wireless operator in each of their respective FCC-licensed frequency bands.

The table that follows summarizes the relevant data for the collocated antenna operations.

Carrier	*Antenna Manufacturer*	*Antenna Model*	*Type*	*Freq (MHz)*	*Total ERP (watts)*	*Ant. Gain (dBd)*	*Azimuth*
AT&T	Generic	Generic	Panel	700	4945	11.26	N/A
AT&T	Generic	Generic	Panel	850	2400	11.76	N/A
AT&T	Generic	Generic	Panel	1900	5756	15.56	N/A
AT&T	Generic	Generic	Panel	2100	5890	15.66	N/A
AT&T	Generic	Generic	Panel	2300	4131	16.16	N/A
Clearwire	Generic	Generic	Panel	2500	2972	11.46	N/A
Clearwire	Generic	Generic	Dish	11000	2821	32.40	N/A
MetroPCS	Generic	Generic	Panel	2100	4904	15.70	N/A
T-Mobile	Generic	Generic	Panel	600	3163	12.96	N/A
T-Mobile	Generic	Generic	Panel	700	867	13.36	N/A
T-Mobile	Generic	Generic	Panel	1900	4123	15.36	N/A
T-Mobile	Generic	Generic	Panel	1900	1452	15.60	N/A
T-Mobile	Generic	Generic	Panel	2100	4626	15.86	N/A
T-Mobile	Generic	Generic	Panel	1900	1419	15.50	N/A
T-Mobile	Generic	Generic	Panel	2500	12804	22.35	N/A

Compliance Analysis

FCC Office of Engineering and Technology Bulletin 65 ("OET Bulletin 65") provides guidelines for mathematical models to calculate the RF levels at various points around transmitting antennas. Different models apply in different areas around antennas, with one model applying to street level around a site, and another applying to the rooftop near the antennas. We will address each area of interest in turn in the subsections that follow.

Street Level Analysis

At street-level around an antenna site (in what is called the "far field" of the antennas), the RF levels are directly proportional to the total antenna input power and the relative antenna gain in the downward direction of interest – and the levels are otherwise inversely proportional to the square of the straight-line distance to the antenna.

Conservative calculations also assume the potential RF exposure is enhanced by reflection of the RF energy from the intervening ground. Our calculations will assume a 100% "perfect", mirror-like reflection, which is the absolute worst-case scenario.

The formula for street-level compliance assessment for any given wireless antenna operation is as follows:

$$MPE\% = (100 * Chans * TxPower * 10^{(Gmax-Vdisc/10)} * 4) / (MPE * 4\pi * R^2)$$

where

MPE%	=	RF level, expressed as a percentage of the MPE limit applicable to continuous exposure of the general public
100	=	factor to convert the raw result to a percentage
Chans	=	maximum number of RF channels per sector
TxPower	=	maximum transmitter power per channel, in milliwatts

$10^{(Gmax-Vdisc/10)}$	=	numeric equivalent of the relative antenna gain in the downward direction of interest; data on the antenna vertical-plane pattern is taken from manufacturer specifications
4	=	factor to account for a 100-percent-efficient energy reflection from the ground, and the squared relationship between RF field strength and power density ($2^2 = 4$)
MPE	=	FCC general population MPE limit
R	=	straight-line distance from the RF source to the point of interest, centimeters

The MPE% calculations are performed out to a distance of 500 feet from the facility to points 6.5 feet (approximately two meters, the FCC-recommended standing height) off the ground, as illustrated in Figure 2, below.

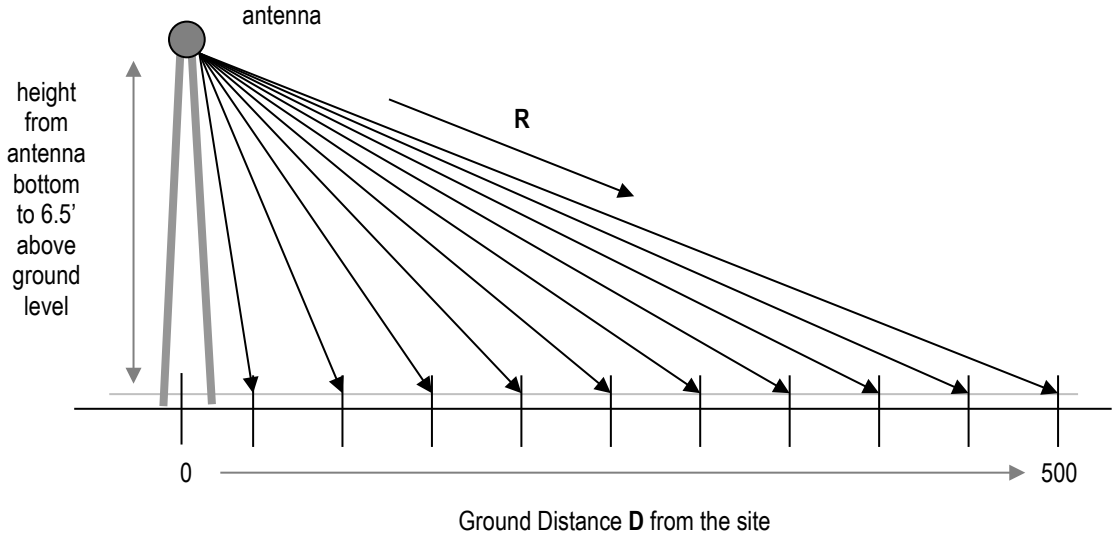


Figure 2. Street-level MPE% Calculation Geometry

It is popularly understood that the farther away one is from an antenna, the lower the RF level – which is generally but not universally correct. The results of MPE% calculations fairly close to the site will reflect the variations in the vertical-plane antenna pattern as well as the variation in straight-line distance to the antenna.

Therefore, RF levels may actually increase slightly with increasing distance within the range of zero to 500 feet from the site. As the distance approaches 500 feet and beyond, though, the antenna pattern factor becomes less significant, the RF levels become primarily distance-controlled and, as a result, the RF levels generally decrease with increasing distance. In any case, the RF levels more than 500 feet from a wireless antenna site are well understood to be sufficiently low to be comfortably in compliance.

According to the FCC, when directional antennas (such as panels) are used, compliance assessments are based on the RF effect of a single (facing) antenna sector, as the effects of directional antennas pointed away from the point(s) of interest are considered insignificant. If the different parameters apply in the different sectors, compliance is based on the worst-case parameters.

Street level FCC compliance for a collocated antenna site is assessed in the following manner. At each distance point along the ground, an MPE% calculation is made for each antenna operation (including each frequency band), and the sum of the individual MPE% contributions at each point is compared to 100 percent, the normalized reference for compliance with the MPE limit. We refer to the sum of the individual MPE% contributions as “total MPE%”, and any calculated total MPE% result exceeding 100 percent is, by definition, higher than the FCC limit and represents non-compliance and a need to mitigate the potential exposure. If all results are consistently below 100 percent, on the other hand, that set of results serves as a clear and sufficient demonstration of compliance with the MPE limit.

Note that the following conservative methodology and assumptions are incorporated into the MPE% calculations on a general basis:

1. The antennas are assumed to be operating continuously at maximum power and maximum channel capacity.
2. The power-attenuation effects of shadowing or other obstructions to the line-of-sight path from the antenna to the point of interest are ignored.
3. The calculations intentionally minimize the distance factor (R) by assuming a 6’6” human and performing the calculations from the bottom (rather than

the centerline) of each operator's lowest-mounted antenna, as applicable.

4. The calculations also conservatively take into account, when applicable, the different technical characteristics and related RF effects of the use of multiple antennas for transmission in the same frequency band.
5. The RF exposure at ground level is assumed to be 100-percent enhanced (increased) via a "perfect" field reflection from the intervening ground.

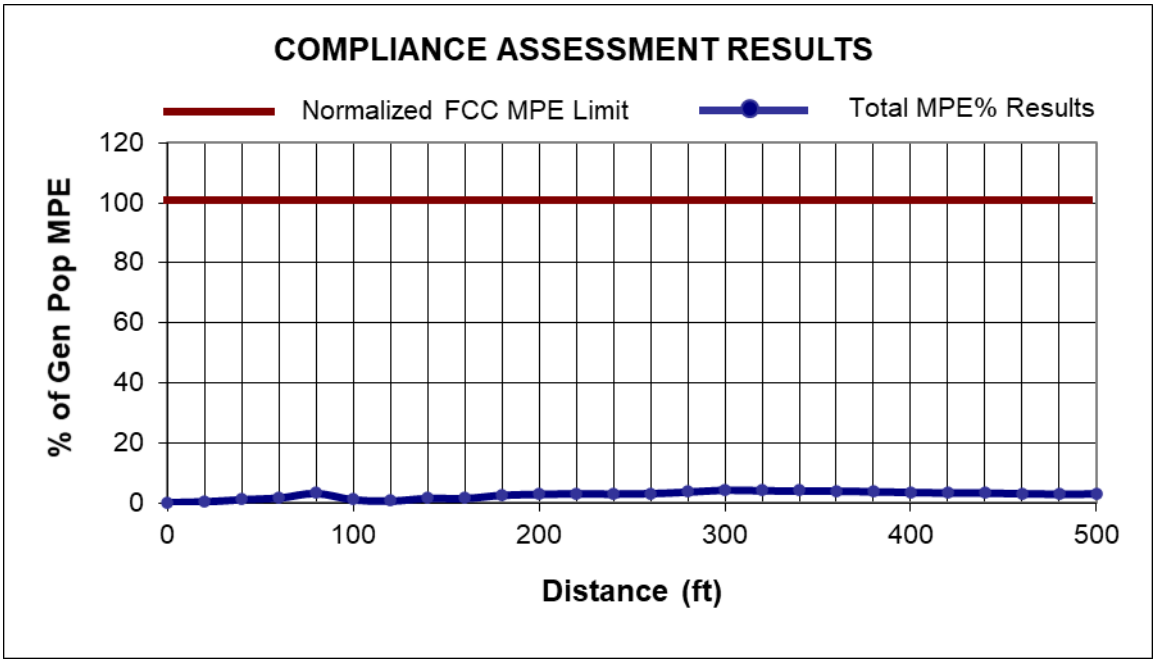
The net result of these assumptions is to intentionally and significantly overstate the calculated RF levels relative to the levels that will actually result from the antenna operations – and the purpose of this conservatism is to allow very "safe-side" conclusions about compliance.

The table that follows provides the results of the MPE% calculations for each antenna operation, with the overall worst-case calculated result highlighted in bold in the last column. Note that the transmission parameters for each Dish antenna sector are identical, and the calculations reflect the worst-case result for any/all sectors.

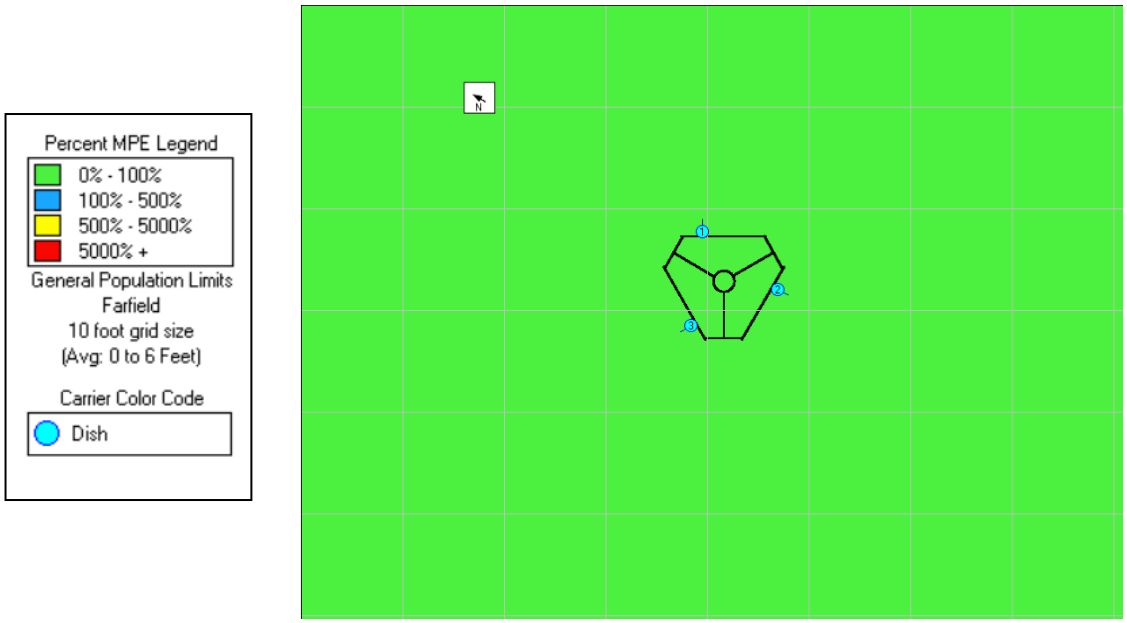
Ground Distance (ft)	Dish 600 MHz MPE%	Dish 2000 MHz MPE%	Dish 2100 MHz MPE%	AT&T MPE%	Clearwire MPE%	MetroPCS MPE%	T-Mobile MPE%	Total MPE%
0	0.0030	0.0040	0.0001	0.0040	0.0010	0.0137	0.3507	0.3765
20	0.0203	0.0553	0.0341	0.0553	0.0035	0.0042	0.5121	0.6848
40	0.0060	0.0438	0.0693	0.0438	0.0010	0.1339	1.1040	1.4018
60	0.1882	0.0115	0.4478	0.0115	0.0024	0.1680	1.0619	1.8913
80	0.3617	0.6234	1.0833	0.6234	0.0036	0.0760	0.6914	3.4628
100	0.1401	0.2305	0.1078	0.2305	0.0010	0.0843	0.5360	1.3302
120	0.1296	0.0151	0.0371	0.0151	0.0074	0.0529	0.6719	0.9291
140	0.1986	0.2210	0.0802	0.2210	0.0074	0.0473	1.0199	1.7954
160	0.2005	0.0600	0.0587	0.0600	0.0030	0.0406	1.3357	1.7585
180	0.1159	0.0956	0.1001	0.0956	0.0145	0.0269	2.3890	2.8376
200	0.0819	0.0870	0.0675	0.0870	0.0053	0.0503	2.7538	3.1328
220	0.0909	0.0556	0.0343	0.0556	0.0026	0.0630	3.0383	3.3403
240	0.2084	0.0989	0.1189	0.0989	0.0122	0.0332	2.6604	3.2309
260	0.2913	0.0852	0.1204	0.0852	0.0163	0.0191	2.7671	3.3846
280	0.3925	0.0355	0.0631	0.0355	0.0071	0.0297	3.3390	3.9024
300	**0.4978**	**0.0019**	**0.0090**	**0.0019**	**0.0023**	**0.0435**	**3.9816**	**4.5380**
320	0.4402	0.0017	0.0079	0.0017	0.0007	0.0510	3.8236	4.3268
340	0.5536	0.0079	0.0041	0.0079	0.0023	0.0482	3.6381	4.2621
360	0.6537	0.0225	0.0241	0.0225	0.0047	0.0379	3.4571	4.2225
380	0.5888	0.0202	0.0217	0.0202	0.0062	0.0342	3.3127	4.0040
400	0.6710	0.0108	0.0167	0.0108	0.0058	0.0236	3.0448	3.7835
420	0.6102	0.0098	0.0152	0.0098	0.0043	0.0161	2.9292	3.5946
440	0.6700	0.0028	0.0001	0.0028	0.0045	0.0147	2.8785	3.5734
460	0.6143	0.0026	0.0001	0.0026	0.0037	0.0122	2.6777	3.3132
480	0.5651	0.0024	0.0001	0.0024	0.0048	0.0112	2.6023	3.1883
500	0.6129	0.0622	0.0529	0.0622	0.0045	0.0103	2.4626	3.2676

As indicated, the maximum calculated overall RF level is 4.5380 percent of the FCC MPE limit – well below the 100-percent reference for compliance.

A graph of the overall calculation results, shown below, perhaps provides a clearer *visual* illustration of the relative compliance of the calculated RF levels. The line representing the overall calculation results shows an obviously clear, consistent margin to the FCC MPE limit.



The graphic output for the areas at street level surrounding the site is reproduced on the next page.

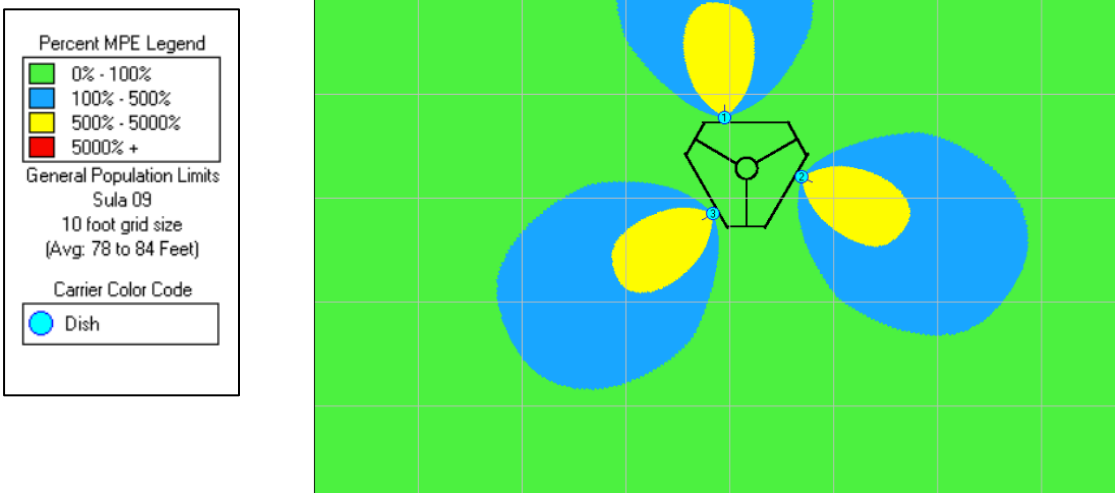


Near-field Analysis

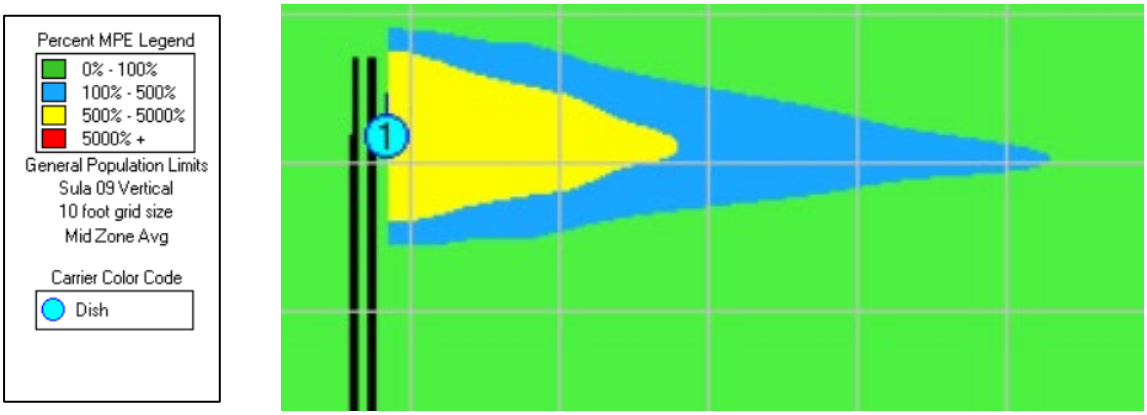
The compliance analysis for the same height as the antennas is performed using the RoofMaster program by Waterford Consultants.

RF levels in the near field of an antenna depend on the power input to the antenna, the antenna's length and horizontal beamwidth, the mounting height of the antenna above nearby roof, and one's position and distance from the antenna. RF levels in front of a directional antenna are higher than they are to the sides or rear, and in any given horizontal direction are inversely proportional to the straight-line distance to the antenna.

The RoofMaster graphic outputs for the same height as the Dish antennas are reproduced on the next page.



RoofMaster – Same Height as the Antennas – Alpha / Beta / Gamma sectors



RoofMaster – Same Height as the Antennas – Alpha / Beta / Gamma sectors

Compliance Conclusion

According to the FCC, the MPE limit has been constructed in such a manner that continuous human exposure to RF fields up to and including 100 percent of the MPE limit is acceptable and safe.

The conservative analysis in this case shows that the maximum calculated RF level from the combination of proposed and existing antenna operations at street level around the site is 4.5380 percent of the FCC general population MPE limit. At the same height as the antennas, the analysis shows that the calculated RF levels potentially exceed the FCC MPE limit. Per Dish guidelines, and consistent with FCC guidance on compliance, it is recommended that two Caution signs be installed six feet below the antennas. In addition, NOC Information signs be installed at the base of the monopole.

The results of the calculations, along with the described RF mitigation, combine to satisfy the FCC's RF compliance requirements and associated guidelines on compliance.

Moreover, because of the extremely conservative calculation methodology and operational assumptions we applied in the analysis, RF levels actually caused by the antennas will be significantly lower than the calculation results here indicate.

Certification

It is the policy of Pinnacle Telecom Group that all FCC RF compliance assessments are reviewed, approved, and signed by the firm's Chief Technical Officer who certifies as follows:

1. I have read and fully understand the FCC regulations concerning RF safety and the control of human exposure to RF fields (47 CFR 1.1301 *et seq*).
2. To the best of my knowledge, the statements and information disclosed in this report are true, complete and accurate.
3. The analysis of site RF compliance provided herein is consistent with the applicable FCC regulations, additional guidelines issued by the FCC, and industry practice.
4. The results of the analysis indicate that the subject antenna operations will be in compliance with the FCC regulations concerning the control of potential human exposure to the RF emissions from antennas.

3/7/22

Daniel J. Collins
Chief Technical Officer
Pinnacle Telecom Group, LLC

Date

Appendix A. Documents Used to Prepare the Analysis

RFDS: RFDS-NJJER01130A-Final-20210927-v.0_20210927150623

CD: NJJER01130A_FinalStampedCDs_20210922113858

Appendix B. Background on the FCC MPE Limit

As directed by the Telecommunications Act of 1996, the FCC has established limits for maximum continuous human exposure to RF fields.

The FCC maximum permissible exposure (MPE) limits represent the consensus of federal agencies and independent experts responsible for RF safety matters. Those agencies include the National Council on Radiation Protection and Measurements (NCRP), the Occupational Safety and Health Administration (OSHA), the National Institute for Occupational Safety and Health (NIOSH), the American National Standards Institute (ANSI), the Environmental Protection Agency (EPA), and the Food and Drug Administration (FDA). In formulating its guidelines, the FCC also considered input from the public and technical community – notably the Institute of Electrical and Electronics Engineers (IEEE).

The FCC's RF exposure guidelines are incorporated in Section 1.301 *et seq* of its Rules and Regulations (47 CFR 1.1301-1.1310). Those guidelines specify MPE limits for both occupational and general population exposure.

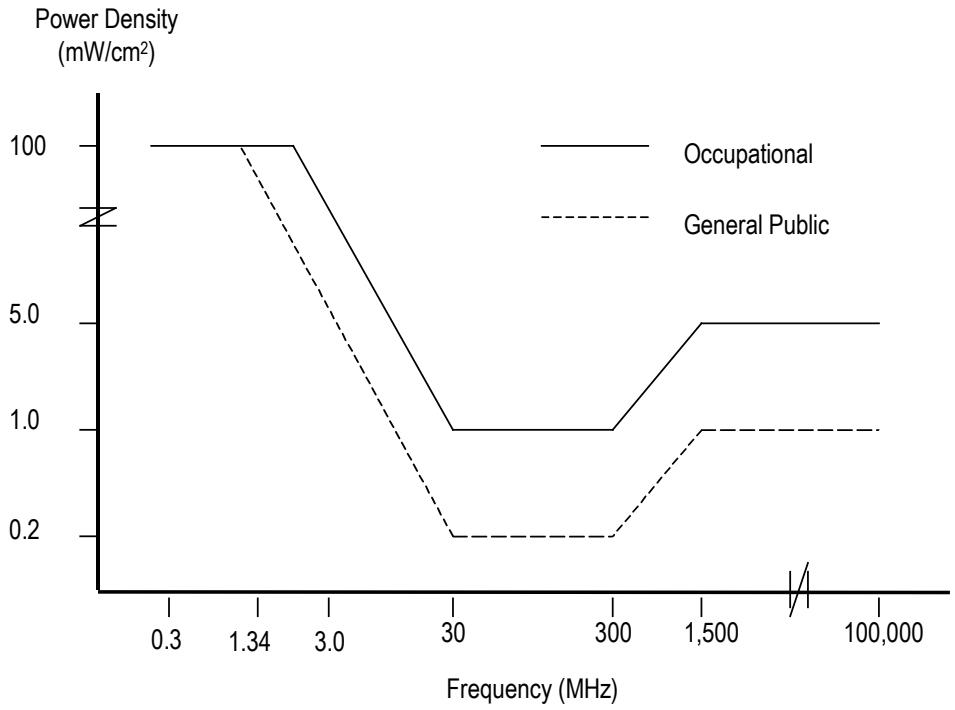
The specified continuous exposure MPE limits are based on known variation of human body susceptibility in different frequency ranges, and a Specific Absorption Rate (SAR) of 4 watts per kilogram, which is universally considered to accurately represent human capacity to dissipate incident RF energy (in the form of heat). The occupational MPE guidelines incorporate a safety factor of 10 or greater with respect to RF levels known to represent a health hazard, and an additional safety factor of five is applied to the MPE limits for general population exposure. Thus, the general population MPE limit has a built-in safety factor of more than 50. The limits were constructed to appropriately protect humans of both sexes and all ages and sizes and under all conditions – and continuous exposure at levels equal to or below the applicable MPE limits is considered to result in no adverse health effects or even health risk.

The reason for *two* tiers of MPE limits is based on an understanding and assumption that members of the general public are unlikely to have had appropriate RF safety training and may not be aware of the exposures they receive; occupational exposure in controlled environments, on the other hand, is assumed to involve individuals who have had such training, are aware of the exposures, and know how to maintain a safe personal work environment.

The FCC's RF exposure limits are expressed in two equivalent forms, using alternative units of field strength (expressed in volts per meter, or V/m), and power density (expressed in milliwatts per square centimeter, or mW/cm^2). The table on the next page lists the FCC limits for both occupational and general population exposures, using the mW/cm^2 reference, for the different radio frequency ranges.

Frequency Range (F) (MHz)	Occupational Exposure (mW/cm^2)	General Public Exposure (mW/cm^2)
0.3 - 1.34	100	100
1.34 - 3.0	100	$180 / F^2$
3.0 - 30	$900 / F^2$	$180 / F^2$
30 - 300	1.0	0.2
300 - 1,500	F / 300	F / 1500
1,500 - 100,000	5.0	1.0

The diagram below provides a graphical illustration of both the FCC's occupational and general population MPE limits.



Because the FCC's RF exposure limits are frequency-shaped, the exact MPE limits applicable to the instant situation depend on the frequency range used by the systems of interest.

The most appropriate method of determining RF compliance is to calculate the RF power density attributable to a particular system and compare that to the MPE limit applicable to the operating frequency in question. The result is usually expressed as a percentage of the MPE limit.

For potential exposure from multiple systems, the respective percentages of the MPE limits are added, and the total percentage compared to 100 (percent of the limit). If the result is less than 100, the total exposure is in compliance; if it is more than 100, exposure mitigation measures are necessary to achieve compliance.

Note that the FCC "categorically excludes" all "non-building-mounted" wireless antenna operations whose mounting heights are more than 10 meters (32.8 feet) from the routine requirement to demonstrate compliance with the MPE limit, because such operations "are deemed, individually and cumulatively, to have no significant effect on the human environment". The categorical exclusion also applies to *all* point-to-point antenna operations, regardless of the type of structure they're mounted on. Note that the FCC considers any facility qualifying for the categorical exclusion to be automatically in compliance.

In addition, FCC Rules and Regulations Section 1.1307(b)(3) describes a provision known in the industry as "the 5% rule". It describes that when a specific location – like a spot on a rooftop – is subject to an overall exposure level exceeding the applicable MPE limit, operators with antennas whose MPE% contributions at the point of interest are less than 5% are exempted from the obligation otherwise shared by all operators to bring the site into compliance, and those antennas are automatically deemed by the FCC to satisfy the rooftop compliance requirement.

FCC References on RF Compliance

47 CFR, FCC Rules and Regulations, Part 1 (Practice and Procedure), Section 1.1310 (Radiofrequency radiation exposure limits).

FCC Second Memorandum Opinion and Order and Notice of Proposed Rulemaking (FCC 97-303), *In the Matter of Procedures for Reviewing Requests for Relief From State and Local Regulations Pursuant to Section 332(c)(7)(B)(v) of the Communications Act of 1934 (WT Docket 97-192), Guidelines for Evaluating the Environmental Effects of Radiofrequency Radiation (ET Docket 93-62), and Petition for Rulemaking of the Cellular Telecommunications Industry Association Concerning Amendment of the Commission's Rules to Preempt State and Local Regulation of Commercial Mobile Radio Service Transmitting Facilities*, released August 25, 1997.

FCC First Memorandum Opinion and Order, ET Docket 93-62, *In the Matter of Guidelines for Evaluating the Environmental Effects of Radiofrequency Radiation*, released December 24, 1996.

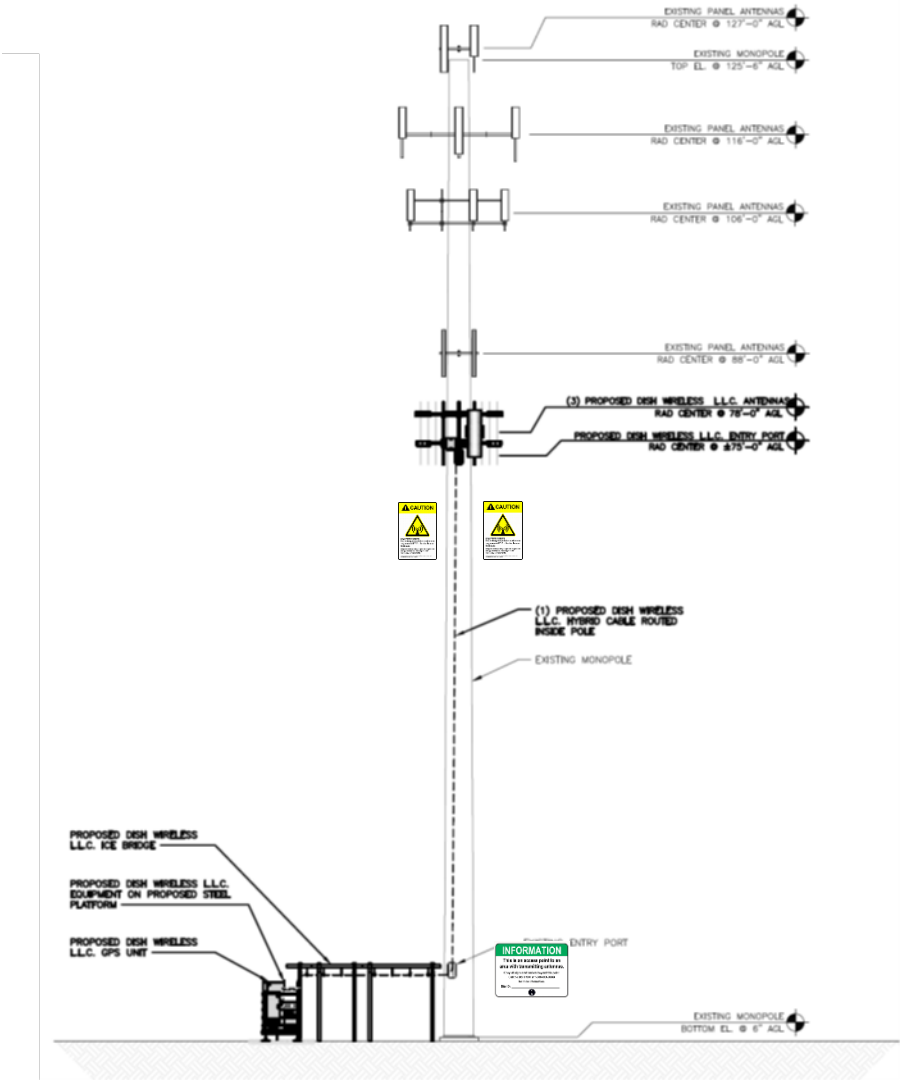
FCC Report and Order, ET Docket 93-62, *In the Matter of Guidelines for Evaluating the Environmental Effects of Radiofrequency Radiation*, released August 1, 1996.

FCC Report and Order, Notice of Proposed Rulemaking, Memorandum Opinion and Order (FCC 19-126), *Proposed Changes in the Commission's Rules Regarding Human Exposure to Radiofrequency Electromagnetic Fields; Reassessment of Federal Communications Commission Radiofrequency Exposure Limits and Policies,* released December 4, 2019.

FCC Office of Engineering and Technology (OET) Bulletin 65, “Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields”, Edition 97-01, August 1997.

FCC Office of Engineering and Technology (OET) Bulletin 56, “Questions and Answers About Biological Effects and Potential Hazards of RF Radiation”, edition 4, August 1999.

Appendix C. Proposed Signage



NOC Information Sign		Caution Sign	
Guidelines Sign		Warning Sign	
Notice Sign			

Appendix D. Summary of Expert Qualifications

Daniel J. Collins, Chief Technical Officer, Pinnacle Telecom Group, LLC

Synopsis:	• 40+ years of experience in all aspects of wireless system engineering, related regulation, and RF exposure • Has performed or led RF exposure compliance assessments on more than 20,000 antenna sites since the latest FCC regulations went into effect in 1997 • Has provided testimony as an RF compliance expert more than 1,500 times since 1997 • Have been accepted as an FCC compliance expert in New York, New Jersey, Connecticut, Pennsylvania and more than 40 other states, as well as by the FCC
Education:	• B.E.E., City College of New York (Sch. Of Eng.), 1971 • M.B.A., 1982, Fairleigh Dickinson University, 1982 • Bronx High School of Science, 1966
Current Responsibilities:	• Leads all PTG staff work involving RF safety and FCC compliance, microwave and satellite system engineering, and consulting on wireless technology and regulation
Prior Experience:	• Edwards & Kelcey, VP – RF Engineering and Chief Information Technology Officer, 1996-99 • Bellcore (a Bell Labs offshoot after AT&T's 1984 divestiture), Executive Director – Regulation and Public Policy, 1983-96 • AT&T (Corp. HQ), Division Manager – RF Engineering, and Director – Radio Spectrum Management, 1977-83 • AT&T Long Lines, Group Supervisor – Microwave Radio System Design, 1972-77
Specific RF Safety / Compliance Experience:	• Involved in RF exposure matters since 1972 • Have had lead corporate responsibility for RF safety and compliance at AT&T, Bellcore, Edwards & Kelcey, and PTG • While at AT&T, helped develop the mathematical models for calculating RF exposure levels • Have been relied on for compliance by all major wireless carriers, as well as by the federal government, several state and local governments, equipment manufacturers, system integrators, and other consulting / engineering firms
Other Background:	• Author, *Microwave System Engineering* (AT&T, 1974) • Co-author and executive editor, *A Guide to New Technologies and Services* (Bellcore, 1993) • National Spectrum Management Association (NSMA) – former three-term President and Chairman of the Board of Directors; was founding member, twice-elected Vice President, long-time member of the Board, and was named an NSMA Fellow in 1991 • Have published more than 35 articles in industry magazines

UNDERLYING PROPERTY INFORMATION

Property Location 1069 CONNECTICUT AV | Map ID 44/ 723/ 3A / | Bldg Name | State Use 342
Vision ID 4911 | Account # R--0004050 | Bldg # 1 | Sec # 1 of 1 | Card # 1 of 3 | Print Date 6/4/2021 1:34:37 PM

CURRENT OWNER

WR CT AVENUE LLC
C/O WESTROCK DEVELOPMENT LL
440 MAMARONECK AVENUE
SUITE N-503
HARRISON NY 10528

TOPO / UTILITIES / STRT / ROAD / LOCATION

SUPPLEMENTAL DATA

Alt Prcl ID	0723--03A------		
Census Tr	CEN743		
Heart			
Abstract	300:300		
Freeze		Special Dis	
GIS ID	723-3A	Assoc Pid#	

CURRENT ASSESSMENT

Description	Code	Appraised	Assessed
Ind Land	3-1	1,136,250	795,380
Ind Bldg	3-2	1,662,110	1,163,490
Ind Impr	3-3	274,600	192,230
Total		3,072,960	2,151,100

6015
BRIDGEPORT, CT

VISION

RECORD OF OWNERSHIP

RECORD OF OWNERSHIP	BK-VOL/PAGE		SALE DATE	Q/U	V/I	SALE PRICE	VC
WR CT AVENUE LLC	7844	0040	06-27-2008	U	I	0	14
WR CT AVENUE LLC	7844	0034	06-27-2008	U	I	0	14
BRIDGEPORT CITY OF	7370	0268	02-09-2007	U	I	0	14
AMERICAN FABRICS CO	2195	0149	11-25-1986	U	I	0	

PREVIOUS ASSESSMENTS (HISTORY)

Year	Code	Assessed	Year	Code	Assessed	Year	Code	Assessed
2020	3-1	795,380	2019	3-1	636,300	2018	3-1	636,300
	3-2	1,163,490		3-2	1,080,030		3-2	1,080,030
	3-3	192,230		3-3	185,910		3-3	185,910
	Total	2151100		Total	1902240		Total	1902240

EXEMPTIONS

Year	Code	Description	Amount
		Total	0.00

OTHER ASSESSMENTS

Code	Description	Number	Amount	Comm Int

This signature acknowledges a visit by a Data Collector or Assessor

ASSESSING NEIGHBORHOOD

Nbhd	Nbhd Name	B	Tracing	Batch
CTA				

APPRAISED VALUE SUMMARY

Appraised Bldg. Value (Card)	1,474,450
Appraised Xf (B) Value (Bldg)	187,660
Appraised Ob (B) Value (Bldg)	274,600
Appraised Land Value (Bldg)	1,136,250
Special Land Value	0
Total Appraised Parcel Value	3,072,960
Valuation Method	C
Total Appraised Parcel Value	3,072,960

NOTES

2015 - GBA GAB EXEMPTIONS EXPIRED
6000#, 35 FPM EST., BLT 1910,1968, ANGL
S., BLDG#2=ANGLS, SEC#1=MFG, EST., BLDG3
ELEV=FRT 6000#, 35 FPM EST, SEC#1,3,4,5
&6=MFG & WRHSE, ANGLS, BLT IN 1915,1948
,1955,1976,1981, BLDG#4=SEC#1 WALL HGT I
S 36', BLT IN 1917 & 1976, SEC#1 & 2=WRH
SE EST. AMERICAN FABRICS COMPLEX CARD 4=
POWER HOUSE-DEFUNCT ONLY THE TWO MAIN EL
EVATORS FUNCTIONS EACH IN SEPARATE BLDGS
8/08=REFUSAL (CELL TOWER 130')2105 GAB G

BUILDING PERMIT RECORD

Permit Id	Issue Date	Type	Description	Amount	Insp Date	% Comp	Date Comp	Comments
101321	01-15-2021	OT	Other			0		ADD 3 ANTENNAS & REPLA
114619	03-12-2019	OT		20,000	04-17-2019	0		ANTENNA / ANTENNA REPL
-356894	01-24-2019	OT				0		
356332	11-07-2018	OT		20,000		0		ANTENNA REPLACEMENT
156218	08-14-2018		Telecommunica	25,000		0		Replace Antennas
6991	09-27-2016		Telecommunica	15,000	05-26-2017	100	04-28-2017	C/O # 6076 ANTENNA SWAP
6371	11-24-2015		Telecommunica	14,500	05-18-2016	100	10-28-2016	C/O #5910

VISIT / CHANGE HISTORY

Date	Id	Type	Is	Cd	Purpost/Result
05-12-2020	MVS	01	6	29	Datamailer-No Change
10-04-2016	RK	02		P	Permit Activity
05-18-2016	RK	02		P	Permit Activity
08-14-2014	RK	06		R	Reviewed
10-05-2011	RK	02		P	Permit Activity
05-09-2011	RK	02		P	Permit Activity
10-01-2010	RK	02		P	Permit Activity

LAND LINE VALUATION SECTION

B	Use Code	Description	Zone	Land Type	Land Units		Unit Price	I. Factor	Site Index	Cond.	Nbhd.	Nhbd Adj	Notes	Location Adjustment		Adj Unit Pric	Land Value
1	342	Mill Building	LI		6.060	AC	250,000	1.00000	I	1.00	CTA	0.750	ALL SITE		0	187,500	1,136,250
				Total Card Land Units	6.060	AC	Parcel Total Land Area:	6.0600								Total Land Value	1,136,250

Property Location	1069 CONNECTICUT AV	Map ID	44/ 723/ 3/A /	Bldg Name		State Use	342
Vision ID	4911	Account #	R--0004050	Bldg #	1	Sec # 1 of 1	Card # 1 of 3	Print Date	6/4/2021 1:34:38 PM

CONSTRUCTION DETAIL

Element	Cd	Description
Style:	42	Mill Building
Model	96	Ind/Comm
Grade:	08	Average
Stories:	4	
Occupancy:	1.00	
Exterior Wall 1:	20	Brick
Exterior Wall 2:		
Roof Struct:	08	Irregular
Roof Cover:	02	T+G/Rubber
Interior Wall 1:	01	Minim/Masonry
Interior Wall 2:		
Interior Floor 1:	12	Hardwood
Interior Floor 2:	14	Carpet
Heating Fuel:	03	Oil
Heating Type:	05	Hot Water
AC Type:	01	None
Bldg Use:	342	Mill Building
Ttl Rooms:		
Ttl Bedrms:	00	
Ttl Baths:	0	
Ttl Half Baths:	0	
Ttl Xtra Fix:	0	
Heat/AC:	00	None
Frame Type:	03	Masonry
Baths/Plumbing	02	Average
Ceiling/Wall:	02	Ceiling Only
Rooms/Prtns:	02	Average
Wall Height:	16.00	
% Comn Wall:		
1st Floor Use:		

CONSTRUCTION DETAIL (CONTINUED)

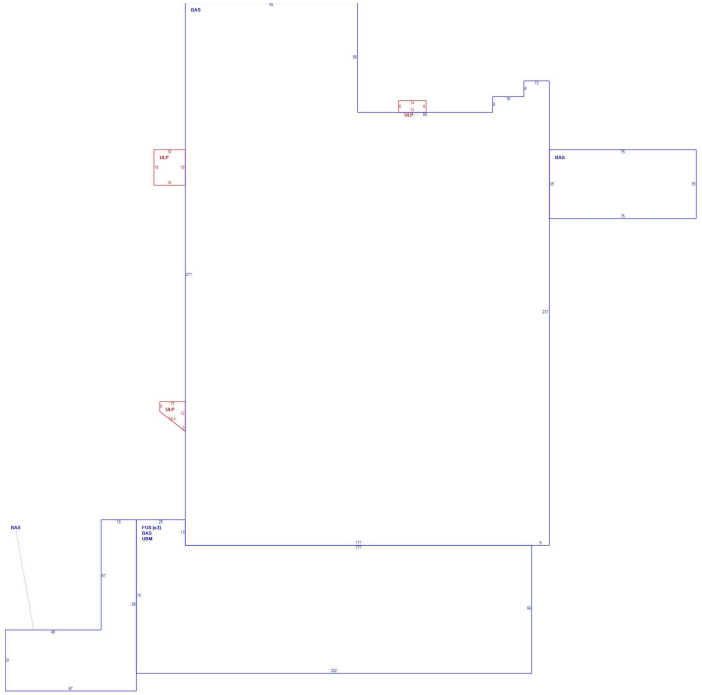
Element	Cd	Description

MIXED USE

Code	Description	Percentage
342	Mill Building	100
		0
		0

COST / MARKET VALUATION

RCN	5,316,109
Year Built	1939
Effective Year Built	
Depreciation Code	F
Remodel Rating	
Year Remodeled	
Depreciation %	45
Functional Obsol	10
External Obsolescence	25
Trend Factor	1.000
Condition	
Condition %	
Percent Good	20
RCNLD	1,063,220
Dep % Ovr	
Dep Ovr Comment	
Misc Imp Ovr	
Misc Imp Ovr Comment	
Cost to Cure Ovr	
Cost to Cure Ovr Comment	



OB - OUTBUILDING & YARD ITEMS(L) / XF - BUILDING EXTRA FEATURES(B)

Code	Description	L/B	Units	Unit Price	Yr Blt	Cond. Cd	% Good	Grade	Grade Adj	Appr. Value
SPR1	Sprinklers-Wet	B	106,72	2.80	1970		20		0.00	59,770
SHD1	Shed	L	336	12.00	1993	00	30	3	1.00	1,210
PAV1	Paving Asph	L	110,00	3.10	2010		70		0.00	238,700
FN1	Fence, Chain	L	668	11.00	1993		30		0.00	2,200
ELV1	Freight	B	5	31200.00	1970		20		0.00	31,200
ELV1	Freight	B	5	31200.00	1970		20		0.00	31,200
SHD3	Shed w/ Lt	L	240	21.00	2009		90		0.00	4,540
TWR	Tower	L	130	208.00	2005		100		0.00	27,040
PAV2	Paving Conc	L	240	4.20	2009		90		0.00	910

BUILDING SUB-AREA SUMMARY SECTION

Code	Description	Living Area	Floor Area	Eff Area	Unit Cost	Undeprec Value
BAS	First Floor	65,755	65,755	65,755	49.46	3,252,242
FUS	Finished Upper Story	40,971	40,971	38,922	46.99	1,925,082
UBM	Unfin Basement	0	13,657	2,731	9.89	135,075
ULP	Uncovered Loading Platform	0	502	75	7.39	3,710
	Ttl Gross Liv / Lease Area	106,726	120,885	107,483		5,316,109

Property Location 1069 CONNECTICUT AV | Map ID 44/ 723/ 3/A / | Bldg Name | State Use 342
Vision ID 4911 | Account # R--0004050 | Bldg # 2 | Sec # 1 of 1 | Card # 2 of 3 | Print Date 6/4/2021 1:34:39 PM

CURRENT OWNER

WR CT AVENUE LLC
C/O WESTROCK DEVELOPMENT LL
440 MAMARONECK AVENUE
SUITE N-503
HARRISON NY 10528

TOPO	UTILITIES	STRT / ROAD	LOCATION

SUPPLEMENTAL DATA

Alt Prcl ID	0723--03A------		
Census Tr	CEN743		
Heart			
Abstract	300:300		
Freeze		Special Dis	
GIS ID	723-3A	Assoc Pid#	

CURRENT ASSESSMENT

Description	Code	Appraised	Assessed
Ind Land	3-1	1,136,250	795,380
Ind Bldg	3-2	1,662,110	1,163,490
Ind Impr	3-3	274,600	192,230
Total		3,072,960	2,151,100

6015

BRIDGEPORT, CT

VISION

RECORD OF OWNERSHIP

RECORD OF OWNERSHIP	BK-VOL/PAGE		SALE DATE	Q/U	V/I	SALE PRICE	VC
WR CT AVENUE LLC	7844	0040	06-27-2008	U	I	0	14
WR CT AVENUE LLC	7844	0034	06-27-2008	U	I	0	14
BRIDGEPORT CITY OF	7370	0268	02-09-2007	U	I	0	14
AMERICAN FABRICS CO	2195	0149	11-25-1986	U	I	0	

PREVIOUS ASSESSMENTS (HISTORY)

Year	Code	Assessed	Year	Code	Assessed	Year	Code	Assessed
2020	3-1	795,380	2019	3-1	636,300	2018	3-1	636,300
	3-2	1,163,490		3-2	1,080,030		3-2	1,080,030
	3-3	192,230		3-3	185,910		3-3	185,910
	Total	2151100		Total	1902240		Total	1902240

EXEMPTIONS

Year	Code	Description	Amount
		Total	0.00

OTHER ASSESSMENTS

Code	Description	Number	Amount	Comm Int

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ASSESSING NEIGHBORHOOD

Nbhd	Nbhd Name	B	Tracing	Batch
CTA				

APPRAISED VALUE SUMMARY

Appraised Bldg. Value (Card)	1,474,450
Appraised Xf (B) Value (Bldg)	187,660
Appraised Ob (B) Value (Bldg)	274,600
Appraised Land Value (Bldg)	1,136,250
Special Land Value	0
Total Appraised Parcel Value	3,072,960
Valuation Method	C
Total Appraised Parcel Value	3,072,960

NOTES

ADD UEP (ENCLOSED PORCH) 8 X 14 (2010)

BUILDING PERMIT RECORD

Permit Id	Issue Date	Type	Description	Amount	Insp Date	% Comp	Date Comp	Comments

VISIT / CHANGE HISTORY

Date	Id	Type	Is	Cd	Purpost/Result

LAND LINE VALUATION SECTION

B	Use Code	Description	Zone	Land Type	Land Units		Unit Price	I. Factor	Site Index	Cond.	Nbhd.	Nhbd Adj	Notes	Location Adjustment		Adj Unit Pric	Land Value
2	300	Industrial Mdl 96			0	SF	0	1.00000	0	1.00		1.000			0	0	0
		Total Card Land Units			0.000	AC	Parcel Total Land Area:	6.0600								Total Land Value	1,136,250

Property Location	1069 CONNECTICUT AV	Map ID	44/ 723/ 3/A /	Bldg Name		State Use	342
Vision ID	4911	Account #	R--0004050	Bldg #	2	Sec # 1 of 1	Card # 2 of 3	Print Date	6/4/2021 1:34:40 PM

CONSTRUCTION DETAIL

Element	Cd	Description
Style:	40	Industrial
Model	96	Ind/Comm
Grade:	08	Average
Stories:	1	
Occupancy:	1.00	
Exterior Wall 1:	15	Concr/CinderBl
Exterior Wall 2:		
Roof Struct:	01	Flat
Roof Cover:	02	T+G/Rubber
Interior Wall 1:	01	Minim/Masonry
Interior Wall 2:		
Interior Floor 1:	03	Concr-Finished
Interior Floor 2:		
Heating Fuel:	03	Oil
Heating Type:	03	Hot Air-No Duc
AC Type:	01	None
Bldg Use:	300	Industrial Mdl 96
Ttl Rooms:		
Ttl Bedrms:	00	
Ttl Baths:	0	
Ttl Half Baths:	0	
Ttl Xtra Fix:	10	
Heat/AC:	00	None
Frame Type:	03	Masonry
Baths/Plumbing	02	Average
Ceiling/Wall:	00	None
Rooms/Prtns:	02	Average
Wall Height:	14.00	
% Comn Wall:		
1st Floor Use:		

CONSTRUCTION DETAIL (CONTINUED)

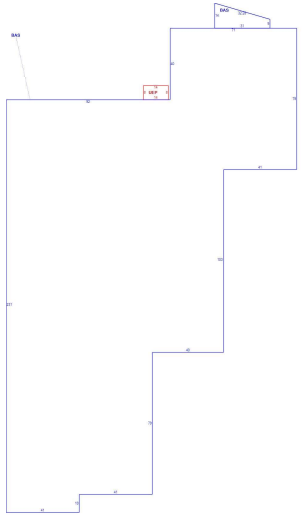
Element	Cd	Description

MIXED USE

Code	Description	Percentage
300	Industrial Mdl 96	100
		0
		0

COST / MARKET VALUATION

RCN	1,130,666
Year Built	1967
Effective Year Built	
Depreciation Code	F
Remodel Rating	
Year Remodeled	
Depreciation %	42
Functional Obsol	10
External Obsolescence	25
Trend Factor	1.000
Condition	
Condition %	
Percent Good	23
RCNLD	260,050
Dep % Ovr	
Dep Ovr Comment	
Misc Imp Ovr	
Misc Imp Ovr Comment	
Cost to Cure Ovr	
Cost to Cure Ovr Comment	



OB - OUTBUILDING & YARD ITEMS(L) / XF - BUILDING EXTRA FEATURES(B)

Code	Description	L/B	Units	Unit Price	Yr Blt	Cond. Cd	% Good	Grade	Grade Adj	Appr. Value
SPR1	Sprinklers-Wet	B	28,651	2.80	1973		23		0.00	18,450
LDL1	Load Levler	B	2	3600.00	1973		23		0.00	1,660

BUILDING SUB-AREA SUMMARY SECTION

Code	Description	Living Area	Floor Area	Eff Area	Unit Cost	Undeprec Value
BAS	First Floor	28,945	28,945	28,945	39.01	1,129,144
UEP	Utility Enclosed Porch	0	112	39	13.58	1,521
	Ttl Gross Liv / Lease Area	28,945	29,057	28,984		1,130,665

Property Location 1069 CONNECTICUT AV | Map ID 44/ 723/ 3/A / | Bldg Name | State Use 342
Vision ID 4911 | Account # R--0004050 | Bldg # 3 | Sec # 1 of 1 | Card # 3 of 3 | Print Date 6/4/2021 1:34:40 PM

CURRENT OWNER

WR CT AVENUE LLC
C/O WESTROCK DEVELOPMENT LL
440 MAMARONECK AVENUE
SUITE N-503
HARRISON NY 10528

TOPO	UTILITIES	STRT / ROAD	LOCATION

SUPPLEMENTAL DATA

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6015
BRIDGEPORT, CT

VISION

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RECORD OF OWNERSHIP	BK-VOL/PAGE		SALE DATE	Q/U	V/I	SALE PRICE	VC
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BRIDGEPORT CITY OF	7370	0268	02-09-2007	U	I	0	14
AMERICAN FABRICS CO	2195	0149	11-25-1986	U	I	0	

PREVIOUS ASSESSMENTS (HISTORY)

Year	Code	Assessed	Year	Code	Assessed	Year	Code	Assessed
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	3-2	1,163,490		3-2	1,080,030		3-2	1,080,030
	3-3	192,230		3-3	185,910		3-3	185,910
	Total	2151100		Total	1902240		Total	1902240

EXEMPTIONS

Year	Code	Description	Amount
		Total	0.00

OTHER ASSESSMENTS

Code	Description	Number	Amount	Comm Int

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ASSESSING NEIGHBORHOOD

Nbhd	Nbhd Name	B	Tracing	Batch
CTA				

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Special Land Value	0
Total Appraised Parcel Value	3,072,960
Valuation Method	C
Total Appraised Parcel Value	3,072,960

NOTES

BUILDING PERMIT RECORD

Permit Id	Issue Date	Type	Description	Amount	Insp Date	% Comp	Date Comp	Comments

VISIT / CHANGE HISTORY

Date	Id	Type	Is	Cd	Purpost/Result

LAND LINE VALUATION SECTION

B	Use Code	Description	Zone	Land Type	Land Units		Unit Price	I. Factor	Site Index	Cond.	Nbhd.	Nhbd Adj	Notes	Location Adjustment		Adj Unit Pric	Land Value
3	300	Industrial Mdl 96			0	SF	0	1.00000	0	1.00		1.000			0	0	0
		Total Card Land Units			0.000	AC	Parcel Total Land Area:	6.0600								Total Land Value	1,136,250

Property Location	1069 CONNECTICUT AV		Map ID	44/ 723/ 3/A /		Bldg Name	State Use 342
Vision ID 4911		Account # R--0004050		Bldg # 3	Sec # 1 of 1	Card # 3 of 3	Print Date 6/4/2021 1:34:41 PM

CONSTRUCTION DETAIL

Element	Cd	Description
Style:	42	Mill Building
Model	96	Ind/Comm
Grade:	06	D+
Stories:	4	
Occupancy:	1.00	
Exterior Wall 1:	20	Brick
Exterior Wall 2:		
Roof Struct:	01	Flat
Roof Cover:	04	Tar + Gravel
Interior Wall 1:	01	Minim/Masonry
Interior Wall 2:		
Interior Floor 1:	03	Concr-Finished
Interior Floor 2:		
Heating Fuel:	01	None
Heating Type:	01	None
AC Type:	01	None
Bldg Use:	300	Industrial Mdl 96
Ttl Rooms:		
Ttl Bedrms:	00	
Ttl Baths:	0	
Ttl Half Baths:	0	
Ttl Xtra Fix:	10	
Heat/AC:	00	None
Frame Type:	03	Masonry
Baths/Plumbing	02	Average
Ceiling/Wall:	00	None
Rooms/Prtns:	02	Average
Wall Height:	15.00	
% Comn Wall:		
1st Floor Use:		

CONSTRUCTION DETAIL (CONTINUED)

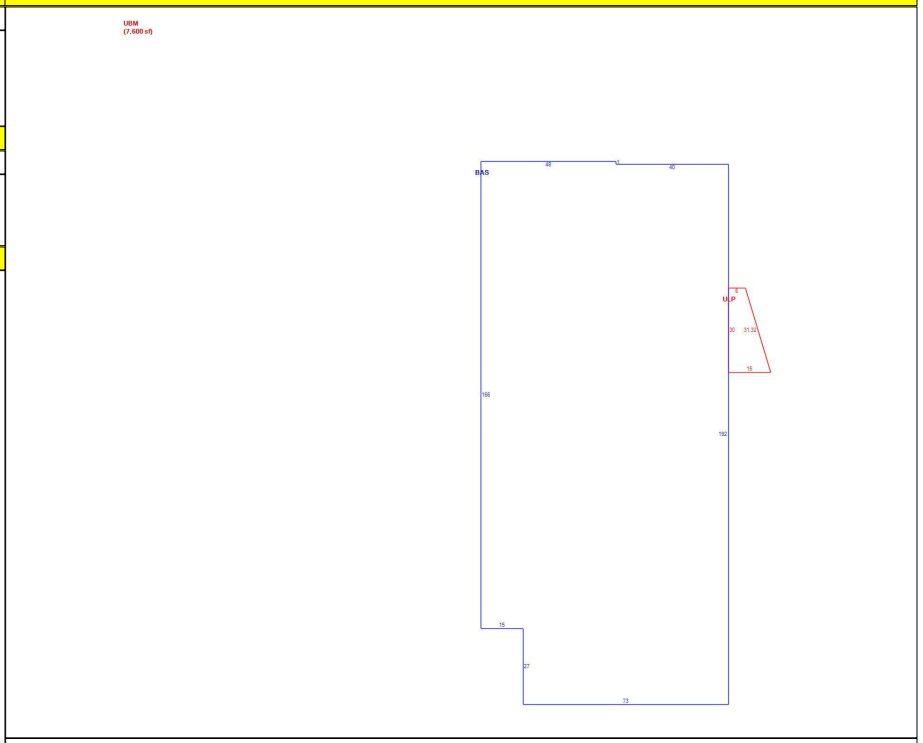
Element	Cd	Description

MIXED USE

Code	Description	Percentage
300	Industrial Mdl 96	100
		0
		0

COST / MARKET VALUATION

RCN	755,875
Year Built	1955
Effective Year Built	
Depreciation Code	F
Remodel Rating	
Year Remodeled	
Depreciation %	45
Functional Obsol	10
External Obsolescence	25
Trend Factor	1.000
Condition	
Condition %	
Percent Good	20
RCNLD	151,180
Dep % Ovr	
Dep Ovr Comment	
Misc Imp Ovr	
Misc Imp Ovr Comment	
Cost to Cure Ovr	
Cost to Cure Ovr Comment	



OB - OUTBUILDING & YARD ITEMS(L) / XF - BUILDING EXTRA FEATURES(B)

Code	Description	L/B	Units	Unit Price	Yr Blt	Cond. Cd	% Good	Grade	Grade Adj	Appr. Value
SPR1	Sprinklers-Wet	B	81,037	2.80	1970		20		0.00	45,380

BUILDING SUB-AREA SUMMARY SECTION

Code	Description	Living Area	Floor Area	Eff Area	Unit Cost	Undeprec Value
BAS	First Floor	16,539	16,539	16,539	41.75	690,457
UBM	Unfin Basement	0	7,600	1,520	8.35	63,456
ULP	Uncovered Loading Platform	0	315	47	6.23	1,962
	Ttl Gross Liv / Lease Area	16,539	24,454	18,106		755,875

NOTIFICATIONS

April 21, 2022

Dear Customer,

The following is the proof-of-delivery for tracking number: 776556679310

Delivery Information:

Status:	Delivered	**Delivered To:**	Residence
Signed for by:	M.MIKE	**Delivery Location:**	440 MAMARONECK AVE 410
Service type:	FedEx 2Day		
Special Handling:	Deliver Weekday; Residential Delivery		HARRISON, NY, 10528
		Delivery date:	Apr 20, 2022 10:57

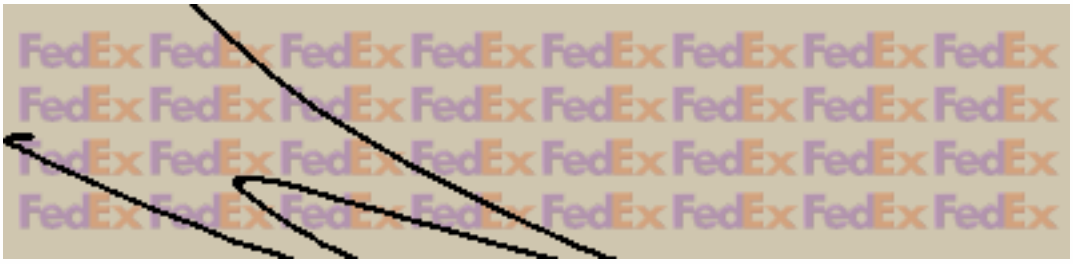
Shipping Information:

Tracking number:	776556679310	**Ship Date:**	Apr 12, 2022
		Weight:	1.0 LB/0.45 KG

Recipient:
WR CT Avenue LLC,
440 Mamaroneck Avenue
Suite N-503
HARRISON, NY, US, 10528

Shipper:
Corey Milan, NB+C
100 Apollo Dr.
Suite 303
CHELMSFORD, MA, US, 01824

Reference 100814



Thank you for choosing FedEx

April 18, 2022

Dear Customer,

The following is the proof-of-delivery for tracking number: 776556599087

Delivery Information:

Status:	Delivered	**Delivered To:**	Shipping/Receiving
Signed for by:	S.IGNATURE NOT REQ	**Delivery Location:**	999 BROAD ST
Service type:	FedEx 2Day		
Special Handling:	Deliver Weekday		BRIDGEPORT, CT, 06604
		Delivery date:	Apr 14, 2022 11:11

Shipping Information:

Tracking number:	776556599087	**Ship Date:**	Apr 12, 2022
		Weight:	0.5 LB/0.23 KG

Recipient:
Joseph P. Ganim - Mayor,
Margaret E. Morton Govt Center
999 Broad Street
BRIDGEPORT, CT, US, 06604

Shipper:
Corey Milan, NB+C
100 Apollo Dr.
Suite 303
CHELMSFORD, MA, US, 01824

Reference 100814

Thank you for choosing FedEx

April 18, 2022

Dear Customer,

The following is the proof-of-delivery for tracking number: 776556634884

Delivery Information:

Status:	Delivered	**Delivered To:**	Shipping/Receiving
Signed for by:	Signature not required	**Delivery Location:**	45 LYON TER
Service type:	FedEx 2Day		
Special Handling:	Deliver Weekday		BRIDGEPORT, CT, 06604
		Delivery date:	Apr 14, 2022 10:02

Shipping Information:

Tracking number:	776556634884	**Ship Date:**	Apr 12, 2022
		Weight:	0.5 LB/0.23 KG

Recipient:
Arben Kica - Building Official,
Building Department
45 Lyon Terrace, Room 222
BRIDGEPORT, CT, US, 06604

Shipper:
Corey Milan, NB+C
100 Apollo Dr.
Suite 303
CHELMSFORD, MA, US, 01824

Reference 100814

Thank you for choosing FedEx