NORTHEAST SITE SOLUTIONS
Turnkey Wireless Development

Northeast Site Solutions
Denise Sabo
4 Angela's Way, Burlington CT 06013
203-435-3640
denise@northeastsitesolutions.com

March 17, 2022

Members of the Siting Council
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051

RE: Tower Share Application
50 Woodfield Road, Woodbridge, CT 06525
Latitude: 41.327638
Longitude: -72.993577
Site #: 842879_Crown_Dish

Dear Ms. Bachman:

This letter and attachments are submitted on behalf of Dish Wireless LLC. Dish Wireless LLC plans to install antennas and related equipment to the tower site located at 50 Woodfield Road, Woodbridge, Connecticut.

Dish Wireless LLC proposes to install three (3) 600/1900 MHz 5G antennas and six (6) RRUs, at the 67-foot level of the existing 100-foot monopole, one (1) Fiber cable will also be installed. Dish Wireless LLC equipment cabinets will be placed within a 7' x 5' lease area within the existing fenced compound. Included are plans by Kimley Horn, dated March 3, 2022, Exhibit C. Also included is a structural analysis prepared by Crown Castle, dated September 10, 2021, confirming that the existing tower is structurally capable of supporting the proposed equipment. Attached as Exhibit D. The facility was approved by the Town of Woodbridge Town Plan & Zoning Commission on or before July 3, 2000. Please see attached.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies 16-50aa, of Dish Wireless LLC intent to share a telecommunications facility pursuant to R.C.S.A. 16-50j-88. In accordance with R.C.S.A., a copy of this letter is being sent to Beth Heller, First Selectman and Kristine Sullivan, Land Use Analyst & Acting Zoning Enforcement Officer for the Town of Woodbridge, as well as the tower owner (Crown Castle) and property owner (Town of Woodbridge).

The planned modifications of the facility fall squarely within those activities explicitly provided for in R.C.S.A. 16-50j-89.

1. The proposed modification will not result in an increase in the height of the existing structure. The top of the existing tower is 100-feet and the Dish Wireless LLC antennas will be located at a centerline height of 67-feet.

2. The proposed modifications will not result in an increase of the site boundary as depicted on the attached site plan.

NORTHEAST SITE SOLUTIONS
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3. The proposed modifications will not increase noise levels at the facility by six decibels or more, or to levels that exceed local and state criteria. The incremental effect of the proposed changes will be negligent.

4. The operation of the proposed antennas will not increase radio frequency emissions at the facility to a level at or above the Federal Communications Commission safety standard. The combined site operations will result in a total power density of 22.73% as evidenced by Exhibit F.

Connecticut General Statutes 16-50aa indicates that the Council must approve the shared use of a telecommunications facility provided it finds the shared use is technically, legally, environmentally, and economically feasible and meets public safety concerns. As demonstrated in this letter, Dish Wireless LLC respectfully submits that the shared use of this facility satisfies these criteria.

A. Technical Feasibility. The existing monopole has been deemed structurally capable of supporting Dish Wireless LLC proposed loading. The structural analysis is included as Exhibit D.

B. Legal Feasibility. As referenced above, C.G.S. 16-50aa has been authorized to issue orders approving the shared use of an existing tower such as this monopole in Woodbridge. Under the authority granted to the Council, an order of the Council approving the requested shared use would permit Dish Wireless LLC to obtain a building permit for the proposed installation. Further, a Letter of Authorization is included as Exhibit G, authorizing Dish Wireless LLC to file this application for shared use.

C. Environmental Feasibility. The proposed shared use of this facility would have a minimal environmental impact. The installation of Dish Wireless LLC equipment at the 67-foot level of the existing 100-foot tower would have an insignificant visual impact on the area around the tower. Dish Wireless LLC ground equipment would be installed within the existing facility compound. Dish Wireless LLC shared use would therefore not cause any significant alteration in the physical or environmental characteristics of the existing site. Additionally, as evidenced by Exhibit F, the proposed antennas would not increase radio frequency emissions to a level at or above the Federal Communications Commission safety standard.

D. Economic Feasibility. Dish Wireless LLC will be entering into an agreement with the owner of this facility to mutually agreeable terms. As previously mentioned, the Letter of Authorization has been provided by the owner to assist Dish Wireless LLC with this tower sharing application.

E. Public Safety Concerns. As discussed above, the tower is structurally capable of supporting Dish Wireless LLC proposed loading. Dish Wireless LLC is not aware of any public safety concerns relative to the proposed sharing of the existing tower. Dish Wireless LLC intentions of providing new and improved wireless service through the shared use of this facility is expected to enhance the safety and welfare of local residents and individuals traveling through Woodbridge.

Sincerely,

Denise Sabo

Denise Sabo
Mobile: 203-435-3640
Fax: 413-521-0558
Office: 4 Angela's Way, Burlington CT 06013
Email: denise@northeastsitesolutions.com

NORTHEAST SITE SOLUTIONS
Turnkey Wireless Development

Attachments

Cc:Beth Heller, First Selectman & Property Owner
11 Meetinghouse Lane
Woodbridge, CT 06525

Kristine Sullivan
Land Use Analyst & Acting Zoning Enforcement Officer
11 Meetinghouse Lane
Woodbridge, CT 06525

Crown Castle – Tower Owner

Exhibit A

Original Facility Approval

TOWN PLAN AND ZONING COMMISSION
TOWN OF WOODBRIDGE
WOODBRIDGE, CONNECTICUT

TEL. (203) 389-3405

July 12, 2000

Christopher B. Fisher, Esq.
Cuddy & Feder & Worby LLP
733 Summor St.,
Stamford, CT. 06901

Re: Special Permit/Site Plan Application
Telecommunication Facility
Woodbridge Country Club,
50 Woodfield Road, Woodbridge, CT.

Dear Mr. Fisher:

The Commission at its meeting on July 3, 2000 reviewed your application for AT&T of a Special Permit/Site Plan approval for an unmanned telecommunication facility consisting of a one hundrod foot monopole, equipment shelter and other related improvements on a portion of lot owned by the Woodbridge Country Club, 50 Woodfield Road, Woodbridge, CT.

After discussion the Commission voted to approve the application subject to the following stipulations:

1. As offered at the Public Hearing the lower base will be designed to provide for future co-location transmission equipment which could be added upon an enlargement of the pole.

2. Any such enlargement would be subject to an application to and approval by the Town Plan & Zoning Commission.

3. AT&T will submit an estimate, based on unit cost, for the completion bond of the site improvements for the installation of the facility as shown on site plans T-1 and Z-1 prepared by URS Greiner Woodward Clyde revised to January 13, 2000.

4. This approval is conditioned upon compliance with all applicable provisions of the Woodbridge Zoning Regulations for telecommunication facilities.

Upon receipt of a completion bond satisfactory to the Commission the Enforcement Officer will be authorized to issue the necessary permits.

Sincerely yours,

Charles B. Swanson
Chairman

cc: Terry Gilbertson, Enforcement Officer

CERTIFIED MAIL RETURN RECEIPT NO. Z 720 381 193

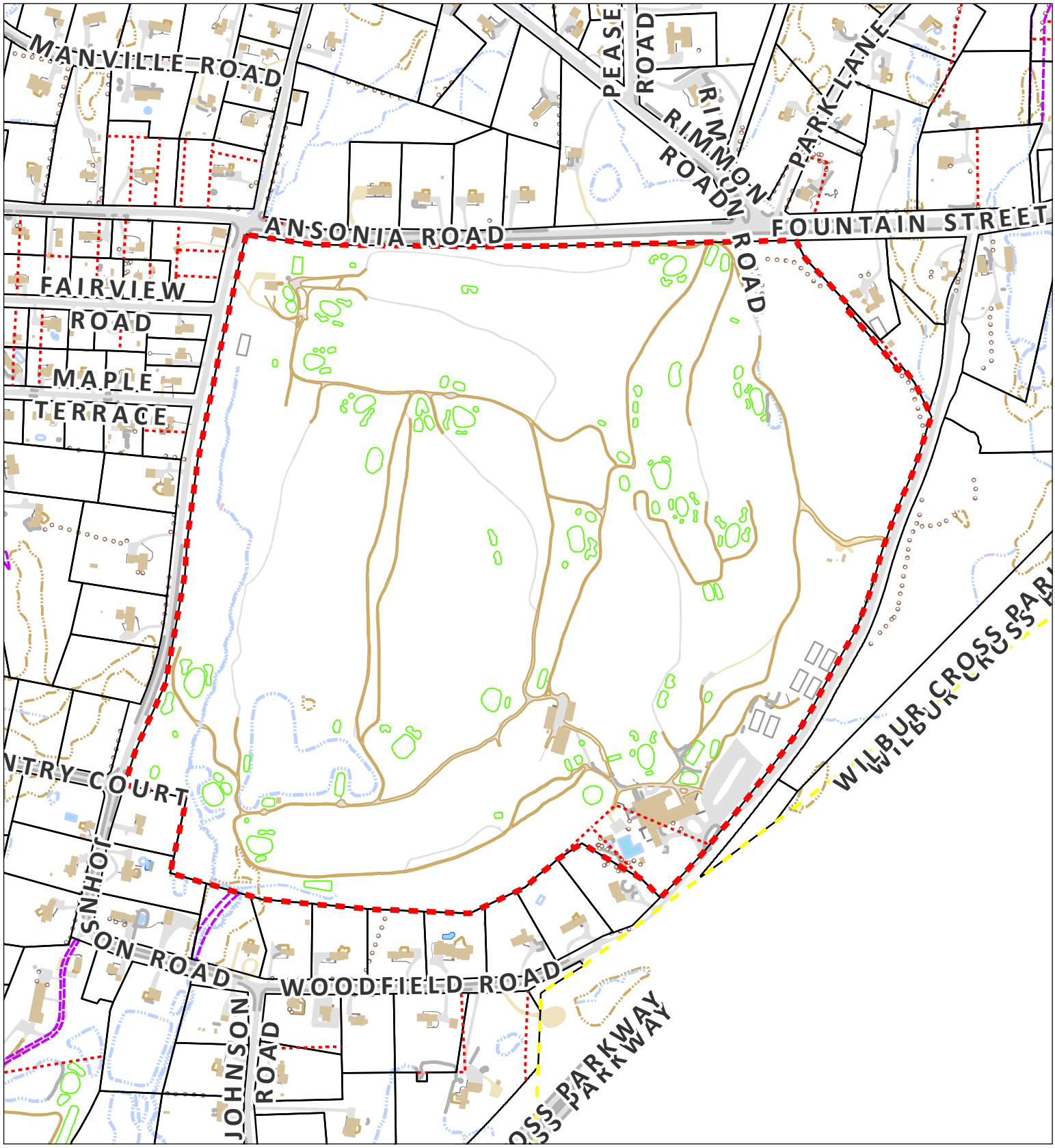
WOOD1(WP)81

Exhibit B

Property Card

Town of Woodbridge, Connecticut - Assessment Parcel Map

GIS ID: 924 **Address:**



Approximate Scale:

1:6,000

Map Produced July 2019

Town of Woodbridge, CT

Property Listing Report

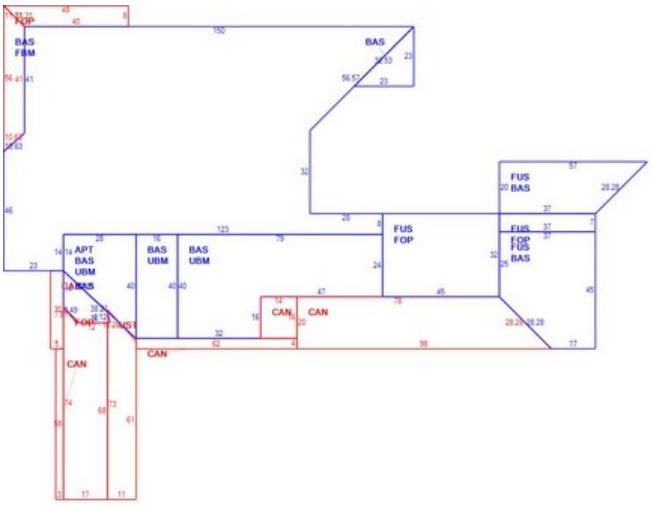
Map Block Lot	3002/2040/50//	Building #	1	PID	924	Account	103400

Property Information

Property Location	50 WOODFIELD RD
Owner	TOWN OF WOODBRIDGE
Co-Owner	
Mailing Address	11 MEETINGHOUSE LN WOODBRIDGE CT 06525
Land Use	903C Municipal 94
Land Class	E
Zoning Code	A
Census Tract	

Neighborhood	
Acreage	140.41
Utilities	Public Water,Public Sewer
Lot Setting/Desc	Rural Above
Book / Page	0628/0294
Additional Info	

Photo



Primary Construction Details

Year Built	1970
Building Desc.	Golf Course
Building Style	Country Club
Building Grade	B
Stories	2
Occupancy	1.00
Exterior Walls	Wood on Sheath
Exterior Walls 2	NA
Roof Style	Gable/Hip
Roof Cover	Asph/F Gls/Cmp
Interior Walls	Drywall/Sheet
Interior Walls 2	NA
Interior Floors 1	Carpet
Interior Floors 2	

Heating Fuel	Oil
Heating Type	Hot Water
AC Type	03
Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	0
Total Rooms	0
Bath Style	NA
Kitchen Style	NA
Fin Bsmt Area	NA
Fin Bsmt Quality	NA
Bsmt Gar	NA
Fireplaces	NA

(*Industrial / Commercial Details)

Building Use	Commercial
Building Condition	F
Sprinkler %	NA
Heat / AC	HEAT/AC SPLIT
Frame Type	WOOD FRAME
Baths / Plumbing	AVERAGE
Ceiling / Wall	CEIL & WALLS
Rooms / Prtns	AVERAGE
Wall Height	12.00
First Floor Use	NA
Foundation	NA

Report Created On 4/3/2020

Town of Woodbridge, CT

Property Listing Report | Map Block Lot **3002/2040/50//** | Building # **1** | PID **924** | Account **103400**

Valuation Summary

(Assessed value = 70% of Appraised Value)

Item	Appraised	Assessed
Buildings	2571000	1799700
Extras	45900	32130
Improvements		
Outbuildings	1766200	1236340
Land	1118100	782670
Total	5501200	3850840

Outbuilding and Extra Features

Type	Description
Sprinklers Wet	36185 S.F.
Fireplace	1 UNITS
Shed	112 S.F.
Bath House Gd	65 S.F.
Shed Good	171 S.F.
Tennis Court	4 UNIT
Paving Asphalt	55000 S.F.
Pool IG Concrt	3158 S.F.
Pool IG Concrt	314 S.F.
Gazebo	484 S.F

Sub Areas

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
Apartment	756	756
First Floor	17092	17092
Canopy	2556	0
Basement, Finished	10430	0
Open Porch	3610	0
Upper Story, Finished	4104	4104
Basement, Unfinished	3804	0
Utility, Storage, Unfinished	737	0
Total Area	43089	21952

Sales History

Owner of Record	Book/ Page	Sale Date	Sale Price
TOWN OF WOODBRIDGE	0628/0294	2009-08-28	6900000
WOODBRIDGE COUNTRY CLUB	0087/0003	1967-10-25	0

Report Created On **4/3/2020**

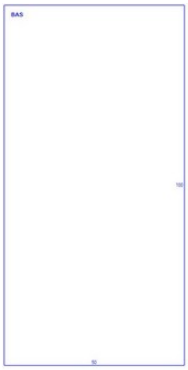
Town of Woodbridge, CT

Property Listing Report

Map Block Lot	3002/2040/50//	Building #	2	PID	924	Account	103400

Photo

Sketch



Primary Construction Details

Year Built	1980
Building Desc.	Industrial
Building Style	Warehouse
Building Grade	C
Stories	1
Occupancy	1.00
Exterior Walls	Pre-finsh Metl
Exterior Walls 2	NA
Roof Style	Gable/Hip
Roof Cover	Metal/Tin
Interior Walls	Minim/Masonry
Interior Walls 2	NA
Interior Floors 1	Concr-Finished
Interior Floors 2	

Heating Fuel	Gas
Heating Type	Hot Air-no Duc
AC Type	01
Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	0
Total Rooms	0
Bath Style	NA
Kitchen Style	NA
Fin Bsmt Area	NA
Fin Bsmt Quality	NA
Bsmt Gar	NA
Fireplaces	NA

(*Industrial / Commercial Details)

Building Use	Golf Course
Building Condition	A
Sprinkler %	NA
Heat / AC	NONE
Frame Type	STEEL
Baths / Plumbing	NONE
Ceiling / Wall	CEILING ONLY
Rooms / Prtns	AVERAGE
Wall Height	14.00
First Floor Use	NA
Foundation	NA

Sub Areas

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
First Floor	5000	5000

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
Total Area	5000	5000

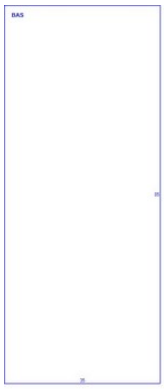
Report Created On 4/3/2020

Town of Woodbridge, CT

Property Listing Report | Map Block Lot 3002/2040/50// | Building # 3 | PID 924 | Account 103400

Photo

Sketch



Primary Construction Details

Year Built	1960
Building Desc.	Industrial
Building Style	Service Shop
Building Grade	C
Stories	1
Occupancy	1.00
Exterior Walls	Concr/Cinder
Exterior Walls 2	NA
Roof Style	Gable/Hip
Roof Cover	Asph/F Gls/Cmp
Interior Walls	Minim/Masonry
Interior Walls 2	NA
Interior Floors 1	Concr-Finished
Interior Floors 2	

Heating Fuel	Coal or Wood
Heating Type	Forced Air-Duc
AC Type	01
Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	0
Total Rooms	0
Bath Style	NA
Kitchen Style	NA
Fin Bsmt Area	NA
Fin Bsmt Quality	NA
Bsmt Gar	NA
Fireplaces	NA

(*Industrial / Commercial Details)

Building Use	Golf Course
Building Condition	A
Sprinkler %	NA
Heat / AC	NONE
Frame Type	MASONRY
Baths / Plumbing	NONE
Ceiling / Wall	CEILING ONLY
Rooms / Prtns	AVERAGE
Wall Height	8.00
First Floor Use	NA
Foundation	NA

Sub Areas

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
First Floor	2975	2975

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
Total Area	2975	2975

Report Created On 4/3/2020

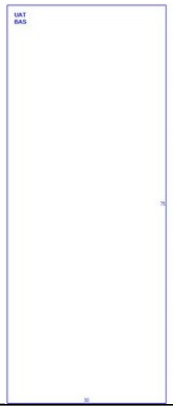
Town of Woodbridge, CT

Property Listing Report

Map Block Lot	3002/2040/50//	Building #	4	PID	924	Account	103400

Photo

Sketch



Primary Construction Details

Year Built	1960
Building Desc.	Industrial
Building Style	Service Shop
Building Grade	C-
Stories	1
Occupancy	1.00
Exterior Walls	Concr/Cinder
Exterior Walls 2	NA
Roof Style	Gable/Hip
Roof Cover	Asph/F Gls/Cmp
Interior Walls	Minim/Masonry
Interior Walls 2	NA
Interior Floors 1	Concr-Finished
Interior Floors 2	

Heating Fuel	Gas
Heating Type	Hot Air-no Duc
AC Type	01
Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	0
Total Rooms	0
Bath Style	NA
Kitchen Style	NA
Fin Bsmt Area	NA
Fin Bsmt Quality	NA
Bsmt Gar	NA
Fireplaces	NA

(*Industrial / Commercial Details)

Building Use	Golf Course
Building Condition	A
Sprinkler %	NA
Heat / AC	NONE
Frame Type	MASONRY
Baths / Plumbing	AVERAGE
Ceiling / Wall	CEILING ONLY
Rooms / Prtns	AVERAGE
Wall Height	12.00
First Floor Use	NA
Foundation	NA

Sub Areas

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
First Floor	2250	2250
Attic, Unfinished	2250	0

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
Total Area	4500	2250

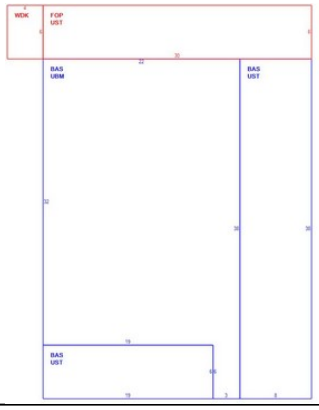
Report Created On 4/3/2020

Town of Woodbridge, CT

Property Listing Report | Map Block Lot 3002/2040/50// | Building # 5 | PID 924 | Account 103400

Photo

Sketch



Primary Construction Details

Year Built	1950
Building Desc.	Commercial
Building Style	Restaurant
Building Grade	C-
Stories	1
Occupancy	1.00
Exterior Walls	Concr/Cinder
Exterior Walls 2	NA
Roof Style	Flat
Roof Cover	Rolled Compos
Interior Walls	Knotty Pine
Interior Walls 2	NA
Interior Floors 1	Carpet
Interior Floors 2	

Heating Fuel	Coal or Wood
Heating Type	None
AC Type	01
Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	0
Total Rooms	0
Bath Style	NA
Kitchen Style	NA
Fin Bsmt Area	NA
Fin Bsmt Quality	NA
Bsmt Gar	NA
Fireplaces	NA

(*Industrial / Commercial Details)

Building Use	Golf Course
Building Condition	A
Sprinkler %	NA
Heat / AC	NONE
Frame Type	WOOD FRAME
Baths / Plumbing	AVERAGE
Ceiling / Wall	CEIL & MIN WL
Rooms / Prtns	AVERAGE
Wall Height	9.00
First Floor Use	NA
Foundation	NA

Sub Areas

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
First Floor	1140	1140
Open Porch	180	0
Basement, Unfinished	722	0
Utility, Storage, Unfinished	598	0
Wood Deck	24	0

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
Total Area	2664	1140

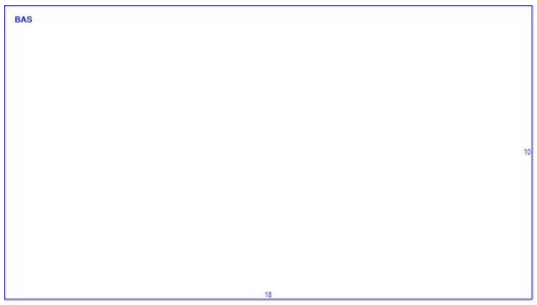
Report Created On 4/3/2020

Town of Woodbridge, CT

Property Listing Report | Map Block Lot 3002/2040/50// | Building # 6 | PID 924 | Account 103400

Photo

Sketch



Primary Construction Details

Year Built	1970
Building Desc.	Industrial
Building Style	Store
Building Grade	C-
Stories	1
Occupancy	1.00
Exterior Walls	Pre-Fab Wood
Exterior Walls 2	NA
Roof Style	Gable/Hip
Roof Cover	Asph/F Gls/Cmp
Interior Walls	Drywall/Sheet
Interior Walls 2	NA
Interior Floors 1	Concr-Finished
Interior Floors 2	

Heating Fuel	Coal or Wood
Heating Type	None
AC Type	01
Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	0
Total Rooms	0
Bath Style	NA
Kitchen Style	NA
Fin Bsmt Area	NA
Fin Bsmt Quality	NA
Bsmt Gar	NA
Fireplaces	NA

(*Industrial / Commercial Details)

Building Use	SFR OPEN MDL-96
Building Condition	A
Sprinkler %	NA
Heat / AC	NONE
Frame Type	WOOD FRAME
Baths / Plumbing	NONE
Ceiling / Wall	CEIL & MIN WL
Rooms / Prtns	AVERAGE
Wall Height	8.00
First Floor Use	NA
Foundation	NA

Sub Areas

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
First Floor	180	180

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
Total Area	180	180

Report Created On 4/3/2020

Exhibit C

Construction Drawings

DISH Wireless L.L.C. SITE ID:

BOHVN00158A

DISH Wireless L.L.C. SITE ADDRESS:

50 WOODFIELD RD
WOODBRIDGE, CT 06525

CONNECTICUT CODE OF 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

SHEET INDEX

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 ANTENNA 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 (1) PROPOSED METAL PLATFORM
- DISH WIRELESS L.L.C. TO UTILIZE EXISTING 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)
- DISH WIRELESS L.L.C. TO UTILIZE EXISTING EMPTY METER SOCKET "B" & DISCONNECT
- REMOVE (1) EXISTING 5'-0"x5'-0" CONCRETE PAD

SITE PHOTO

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

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.

SITE INFORMATION

PROPERTY OWNER:	GLOBAL SIGNAL ACQUISITION
ADDRESS:	PO BOX 277455 ATLANTA, GA 30384
TOWER TYPE:	MONOPOLE
CROWN CASTLE SITE ID:	842879
CROWN CASTLE APP NUMBER:	553376
COUNTY:	NEW HAVEN
LATITUDE (NAD 83):	41° 19' 39.50" N 41.327639° N
LONGITUDE (NAD 83):	72° 59' 36.84" W 72.993567° W
ZONING JURISDICTION:	CONNECTICUT SITTING COUNCIL
ZONING DISTRICT:	MUNICIPAL 94
PARCEL NUMBER:	WOOD-003002-002040-000050
OCCUPANCY GROUP:	U
CONSTRUCTION TYPE:	II-B
POWER COMPANY:	UNITED ILLUMINATING CO
TELEPHONE COMPANY:	LIGHTOWER

PROJECT DIRECTORY

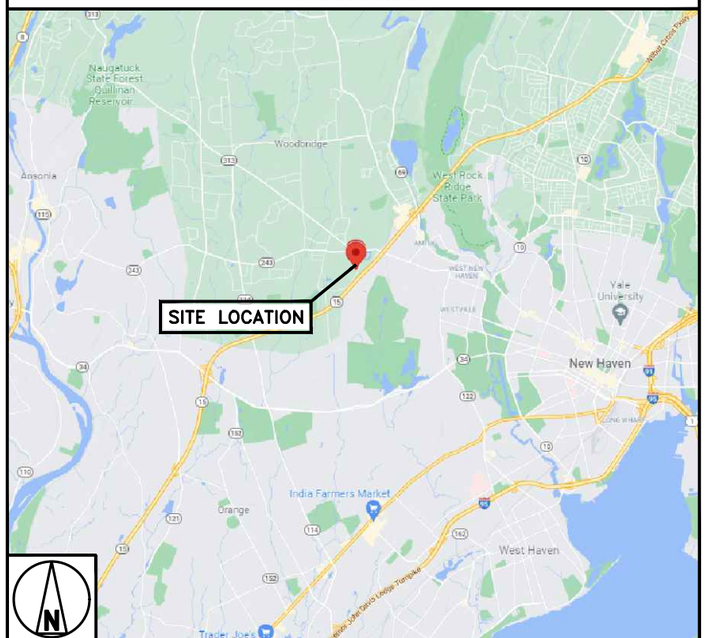
APPLICANT:	DISH WIRELESS, LLC. 5701 SOUTH SANTA FE DRIVE LITTLETON, CO 80120
TOWER OWNER:	CROWN CASTLE 2000 CORPORATE DRIVE CANONSBURG, PA 15317 (877) 486-9377
SITE DESIGNER:	KIMLEY-HORN & ASSOCIATES 3875 EMBASSY PKWY, SUITE 280 AKRON, OH 44333 (216) 505-7771 COA #: PEC.0000738
SITE ACQUISITION:	VICTOR NUNEZ VICTOR.NUNEZ@CROWNCASTLE.COM
CONSTRUCTION MANAGER:	CHAD WILCOX CHAD.WILCOX@DISH.COM
RF ENGINEER:	SYED ZAIDI SYED.ZAIDI@DISH.COM

DIRECTIONS

DIRECTIONS FROM TWEED NEW HAVEN AIRPORT:

x FOLLOW FORT HALE RD TO TOWNSEND AVE
x TAKE WHALLEY AVE AND CT-243 W/FOUNTAIN ST TO WOODFIELD RD IN WOODBRIDGE
x TURN LEFT ONTO WOODFIELD RD
x DESTINATION WILL BE ON THE RIGHT

VICINITY MAP



NO SCALE

dish wireless.

5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120

Kimley»Horn

COA #: PEC.0000738
421 FAYETTEVILLE ST, SUITE 600
RALEIGH, NC 27601

STATE OF CONNECTICUT
KYLE JENSEN FREEHART
34906
LICENSED PROFESSIONAL ENGINEER

Document by: Kyle Freehart
D8BEE252A3804C1...

DRAWN BY:	CHECKED BY:	APPROVED BY:
XQD	MCK	MCK

RFDS REV #: ---

CONSTRUCTION DOCUMENTS

SUBMITTALS

REV	DATE	DESCRIPTION
A	09/30/2021	ISSUED FOR REVIEW
0	03/03/2022	ISSUED FOR CONSTRUCTION

A&E PROJECT NUMBER

KHCLE-16437

DISH Wireless L.L.C.
PROJECT INFORMATION

BOHVN00158A
50 WOODFIELD RD
WOODBRIDGE, CT 06525

SHEET TITLE

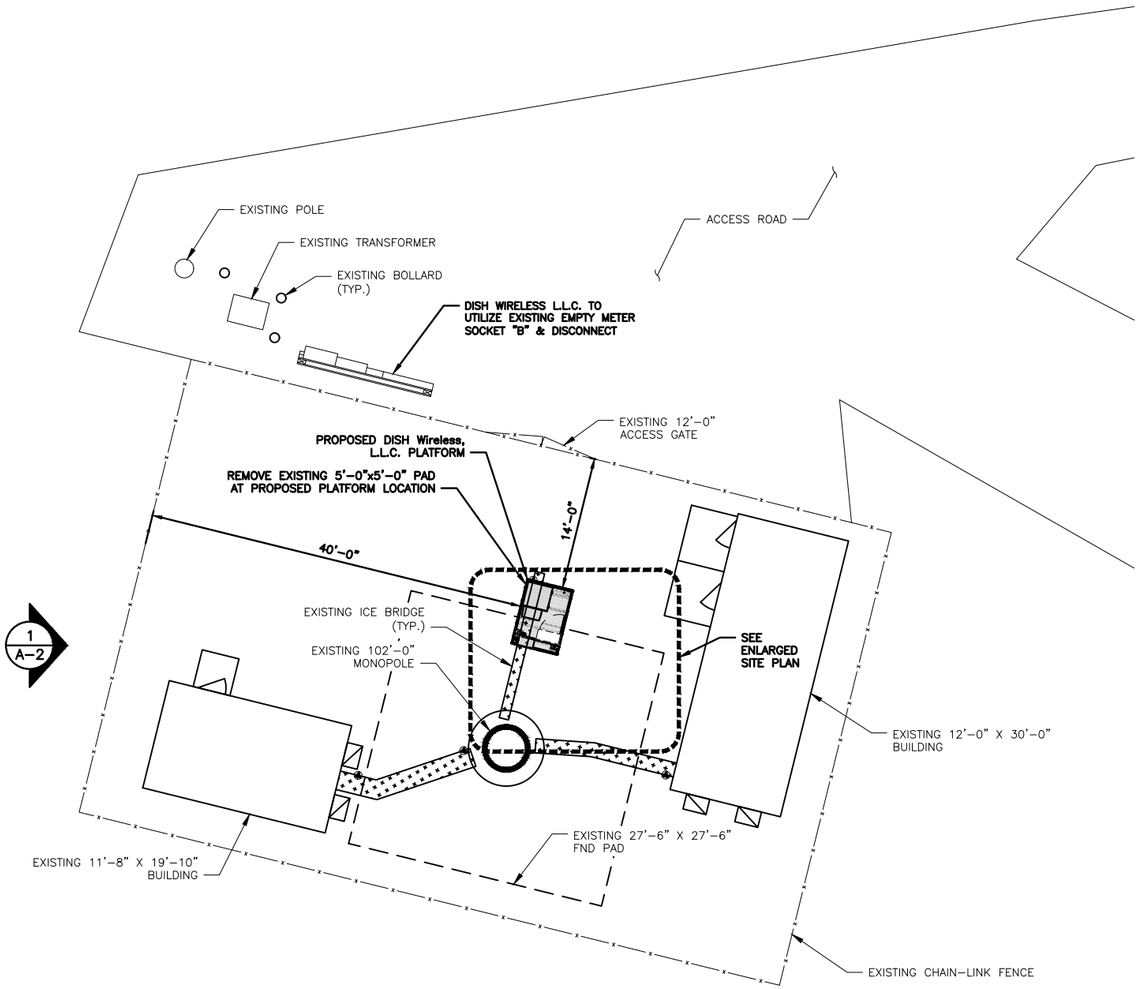
TITLE SHEET

SHEET NUMBER

T-1

NOTES

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



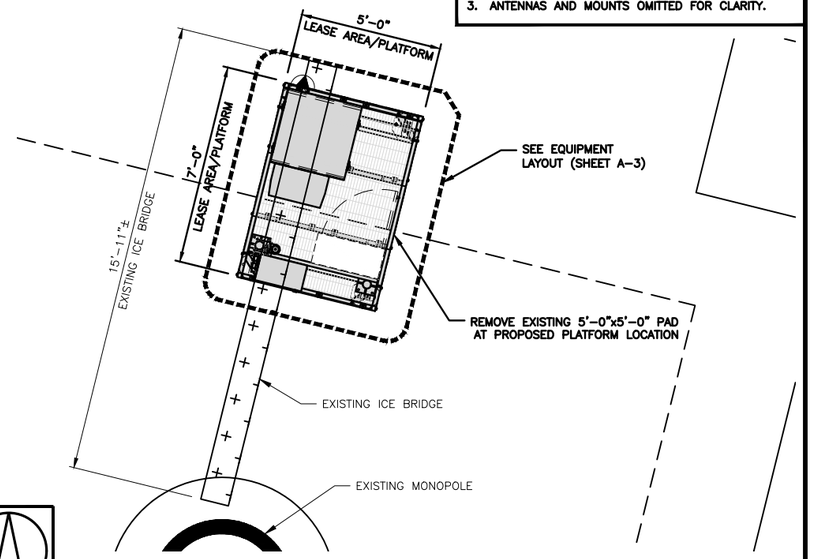
OVERALL SITE PLAN

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

1

NOTES

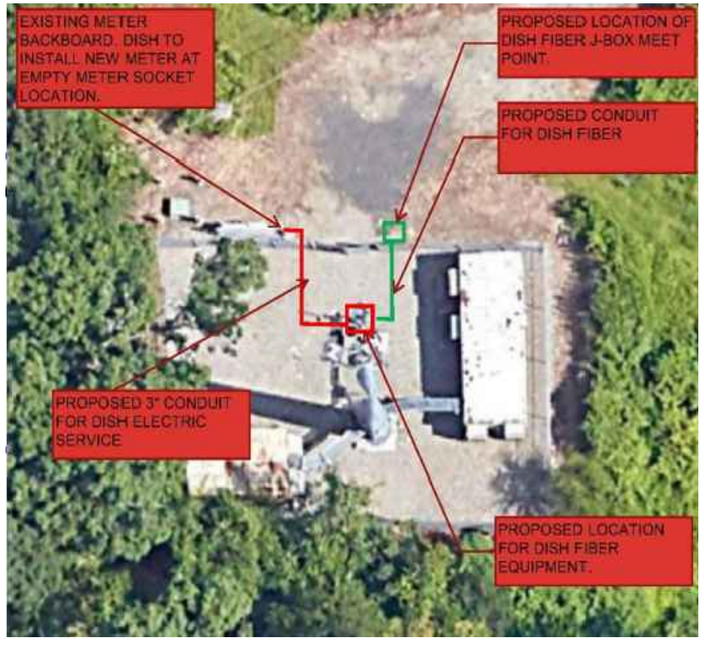
1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
2. CONTRACTOR SHALL MAINTAIN A 10'-0" MINIMUM SEPARATION BETWEEN THE PROPOSED GPS UNIT, TRANSMITTING ANTENNAS AND EXISTING GPS UNITS.
3. ANTENNAS AND MOUNTS OMITTED FOR CLARITY.



ENLARGED SITE PLAN

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

2



OVERALL UTILITY ROUTE PLAN

NO SCALE

3

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

Kimley»Horn
COA #: PEC.0000738
421 FAYETTEVILLE ST, SUITE 600
RALEIGH, NC 27601

STATE OF CONNECTICUT
KYLE JENSEN FREEHART
34906
LICENSED PROFESSIONAL ENGINEER

Docusigned by:
Kyle Freehart
19BEE252A39A4C1...

DRAWN BY:	CHECKED BY:	APPROVED BY:
XQD	MCK	MCK

RFDS REV #: ---

CONSTRUCTION DOCUMENTS

SUBMITTALS

REV	DATE	DESCRIPTION
A	09/30/2021	ISSUED FOR REVIEW
0	03/03/2022	ISSUED FOR CONSTRUCTION

A&E PROJECT NUMBER
KHCLE-16437

DISH Wireless L.L.C.
PROJECT INFORMATION

BOHVN00158A
50 WOODFIELD RD
WOODBRIDGE, CT 06525

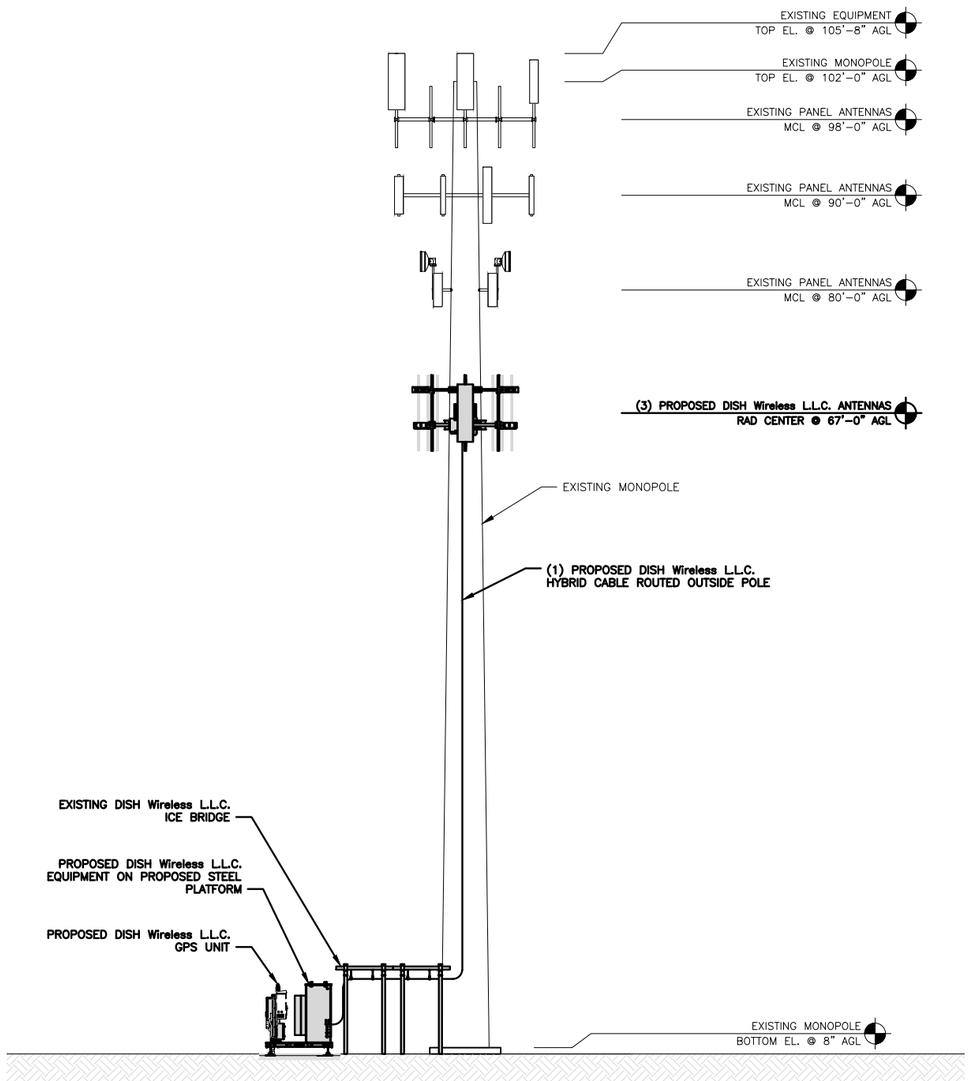
SHEET TITLE
OVERALL AND ENLARGED SITE PLAN

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.

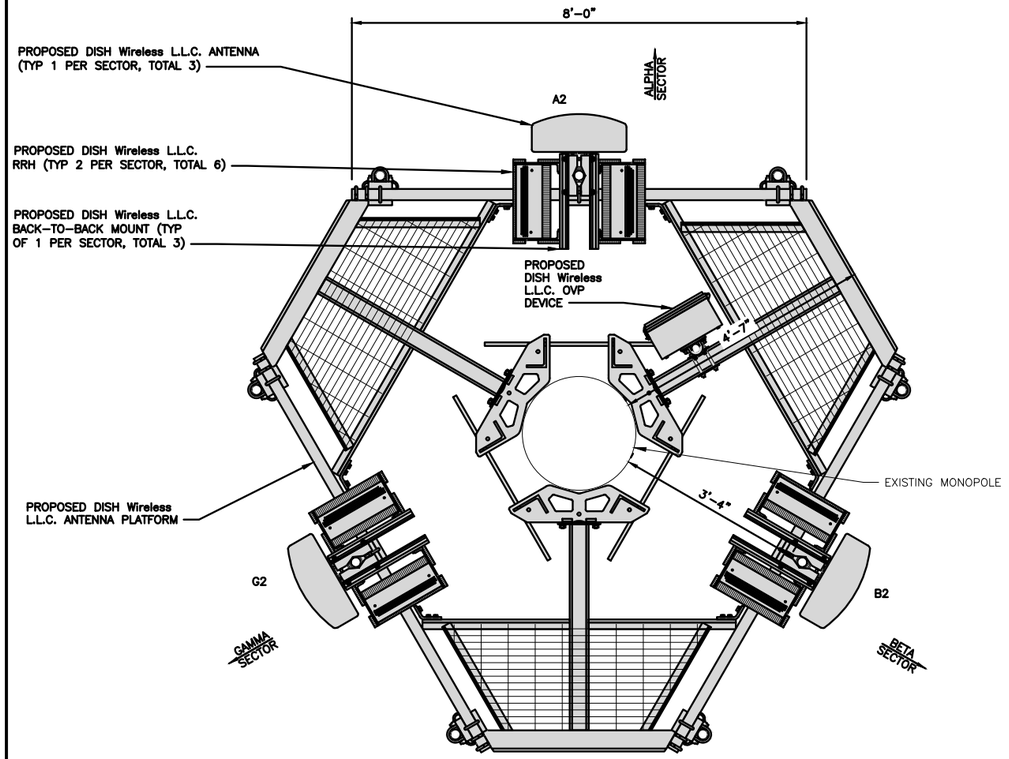
KIMLEY–HORN HAS NOT ANALYZED THE PROPOSED ANTENNA MOUNT(S) TO DETERMINE ADEQUATE STRUCTURAL CAPACITY FOR PROPOSED CARRIER LOADING. MOUNT ANALYSIS TO BE DONE BY OTHERS.



PROPOSED WEST ELEVATION

8' 4' 0 8' 16'
1/8"=1'–0"

1



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	A2	PROPOSED	JMA – MX08FRO665–21	5G	72.0" x 20.0"	0°	67'–0"	(1) HIGH–CAPACITY HYBRID CABLE (110'–0" LONG)
BETA	B2	PROPOSED	JMA – MX08FRO665–21	5G	72.0" x 20.0"	120°	67'–0"	
GAMMA	G2	PROPOSED	JMA – MX08FRO665–21	5G	72.0" x 20.0"	240°	67'–0"	

SECTOR	POSITION	RRH	
		MANUFACTURER – MODEL NUMBER	TECHNOLOGY
ALPHA	A1	FUJITSU – TA08025–B604	5G
	A1	FUJITSU – TA08025–B605	5G
BETA	B1	FUJITSU – TA08025–B604	5G
	B1	FUJITSU – TA08025–B605	5G
GAMMA	G1	FUJITSU – TA08025–B604	5G
	G1	FUJITSU – TA08025–B605	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.

ANTENNA SCHEDULE

NO SCALE

3

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5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120

Kimley»Horn
COA #: PEC.0000738
421 FAYETTEVILLE ST, SUITE 600
RALEIGH, NC 27601

STATE OF CONNECTICUT
KYLE JENSEN FREEHART
34906
LICENSED PROFESSIONAL ENGINEER

DocuSigned by:
Kyle Freehart
D8BEE252A3804C1...

DRAWN BY:	CHECKED BY:	APPROVED BY:
XQD	MCK	MCK

RFDS REV #: ---

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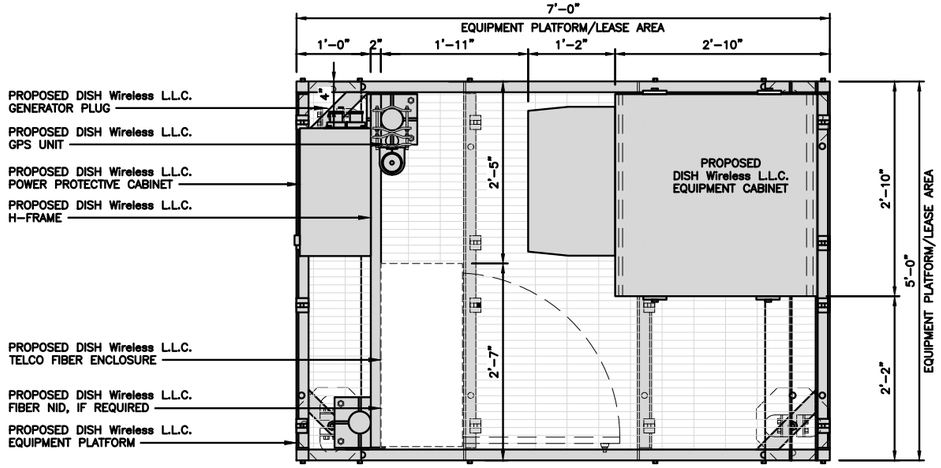
DISH Wireless L.L.C.
PROJECT INFORMATION
BOHVN00158A
50 WOODFIELD RD
WOODBRIDGE, CT 06525

SHEET TITLE
ELEVATION, ANTENNA LAYOUT AND SCHEDULE

SHEET NUMBER
A-2



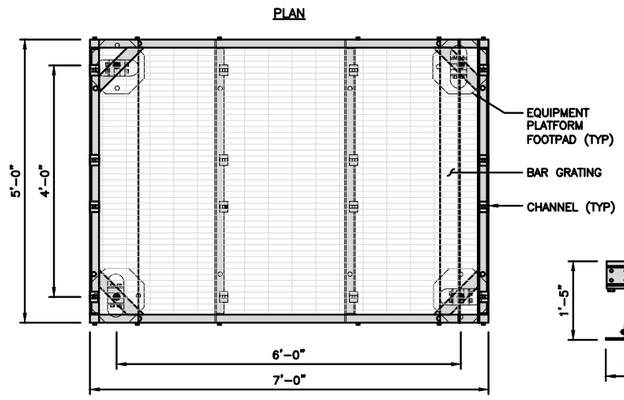
PLATFORM EQUIPMENT PLAN

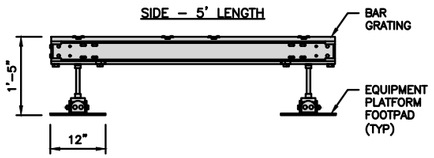
12" 9" 6" 3" 0 1' 2'
1"=1'-0"

1

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

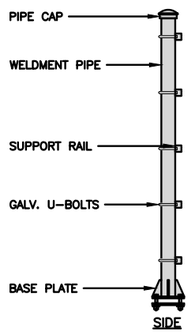
NOTE:
1. GC TO PROVIDE EXTENDED THREAD FOR PLATFORM IF REQUIRED HEIGHT EXCEEDS 17"
2. PLATFORM TO BE LEVEL WITHIN 1"



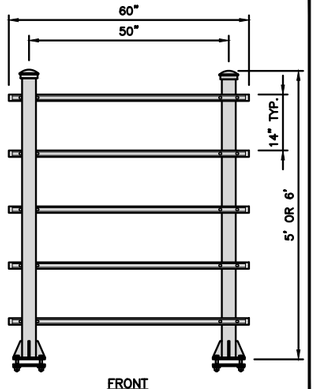


PLATFORM DETAIL | NO SCALE | 2

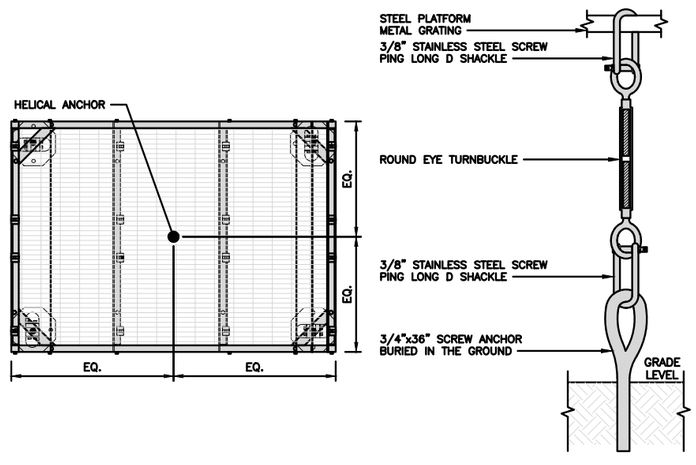
COMMSCOPE MTC4045HFLD H-FRAME	
UNISTRUT/SUPPORT RAILS QTY	5
WEIGHT	59.74 lbs



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



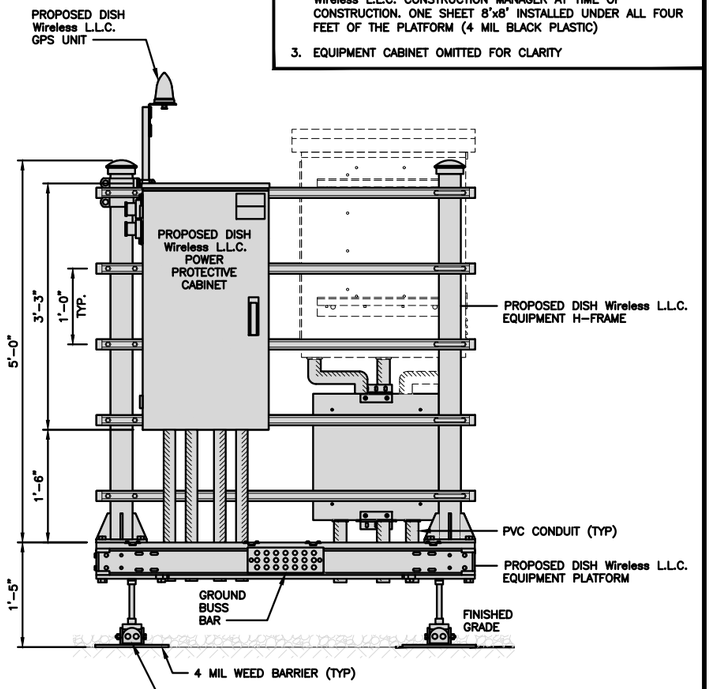
H-FRAME DETAIL | NO SCALE | 3



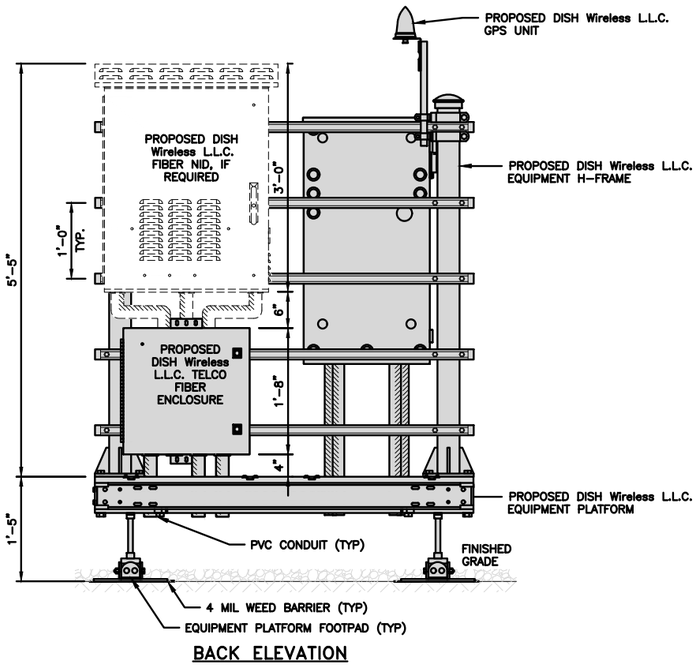
PLATFORM ANCHORAGE DETAIL | NO SCALE | 4

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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RALEIGH, NC 27601

STATE OF CONNECTICUT
KYLE JENSEN FREEHART
34906
LICENSED PROFESSIONAL ENGINEER

DocuSigned by:
Kyle Freehart
D8BE1252A3804C1...

DRAWN BY:	CHECKED BY:	APPROVED BY:
XQD	MCK	MCK

RFDS REV #: ---

CONSTRUCTION DOCUMENTS

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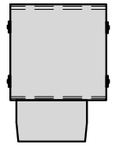
KHCLE-16437

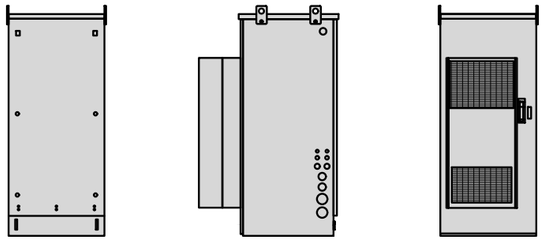
DISH Wireless L.L.C.
PROJECT INFORMATION
BOHVN00158A
50 WOODFIELD RD
WOODBRIDGE, CT 06525

SHEET TITLE
EQUIPMENT PLATFORM AND H-FRAME DETAILS

SHEET NUMBER
A-3

CHARLES INDUSTRY HEX CUBE–PM639155N4	
DIMENSIONS (HxWxD)	74"x32"x32"
POWER PLANT	–48VDC ABB/600W
TOTAL WEIGHT (EMPTY)	408 lbs

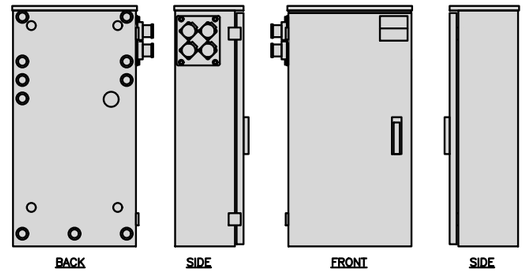

PLAN


BACK SIDE FRONT

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


TOP


BACK SIDE FRONT SIDE

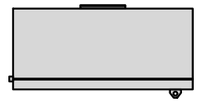
POWER PROTECTION CABINET (PPC) DETAIL | NO SCALE | 2

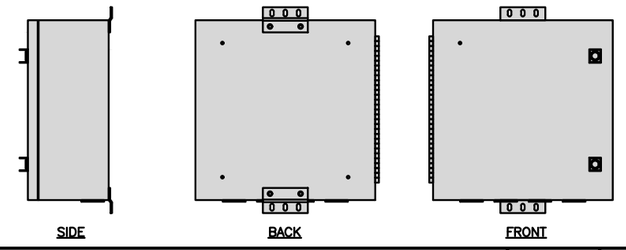
NOT USED | NO SCALE | 3

NOT USED | NO SCALE | 4

NOT USED | NO SCALE | 5

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

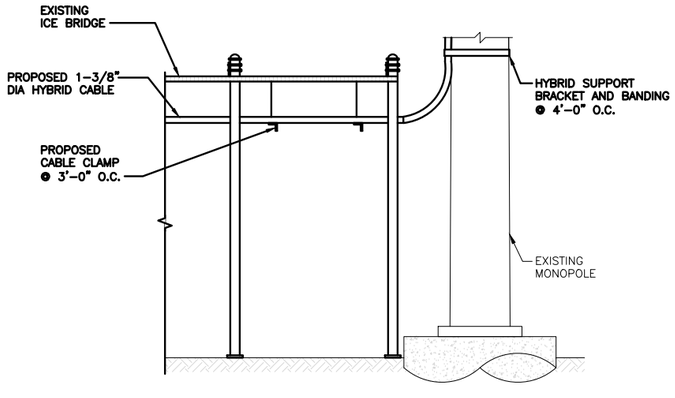

FRONT


SIDE BACK FRONT

FIBER TELCO ENCLOSURE DETAIL | NO SCALE | 6

NOT USED | NO SCALE | 7

NOT USED | NO SCALE | 8



HYBRID CABLE RUN | NO SCALE | 9

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LITTLETON, CO 80120

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COA #: PEC.0000738
421 FAYETTEVILLE ST, SUITE 600
RALEIGH, NC 27601

STATE OF CONNECTICUT
KYLE JENSEN FREEHART
34906
LICENSED PROFESSIONAL ENGINEER
DocuSigned by: Kyle Freehart
DBBEE252A3804C1...

DRAWN BY:	CHECKED BY:	APPROVED BY:
XQD	MCK	MCK

RFDS REV #: ---

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A&E PROJECT NUMBER

KHCLE–16437

DISH Wireless L.L.C.
PROJECT INFORMATION

BOHVN00158A
50 WOODFIELD RD
WOODBRIDGE, CT 06525

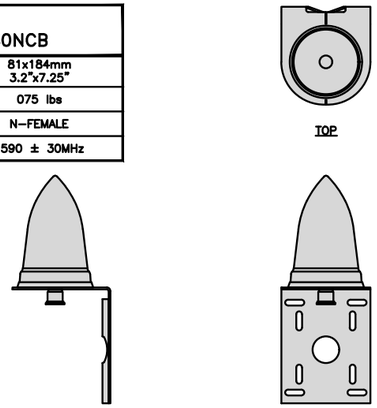
SHEET TITLE

EQUIPMENT DETAILS

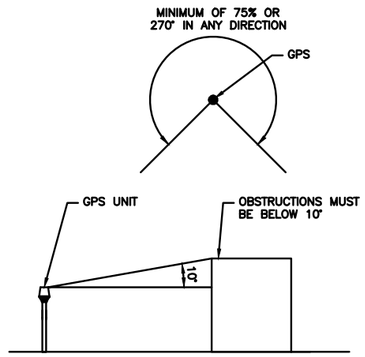
SHEET NUMBER

A-4

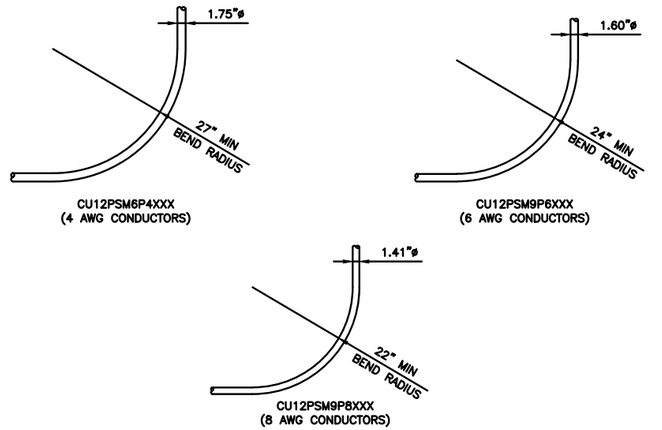
PCTEL GPSGL-TMG-SPI-40NCB	
DIMENSIONS (DIAxH) MM/INCH	81x184mm 3.2"x7.25"
WEIGHT W/ACCESSORIES	075 lbs
CONNECTOR	N-FEMALE
FREQUENCY RANGE	1590 ± 30MHz



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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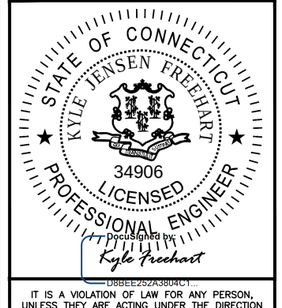

DRAWN BY:	CHECKED BY:	APPROVED BY:
XQD	MCK	MCK

RFDS REV #: ---

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BOHVN00158A
50 WOODFIELD RD
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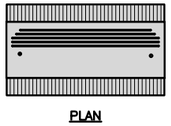
SHEET TITLE
EQUIPMENT DETAILS

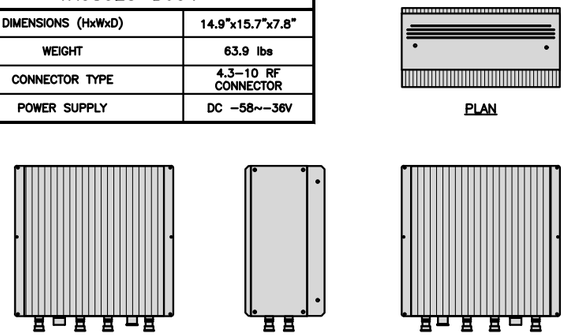
SHEET NUMBER
A-5

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

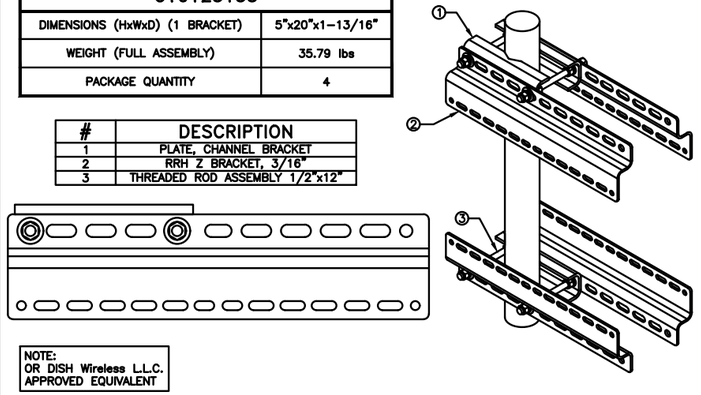
FUJITSU DUAL BAND TA08025-B604	
DIMENSIONS (HxWxD)	14.9"x15.7"x7.8"
WEIGHT	63.9 lbs
CONNECTOR TYPE	4.3-10 RF CONNECTOR
POWER SUPPLY	DC -58~-36V



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

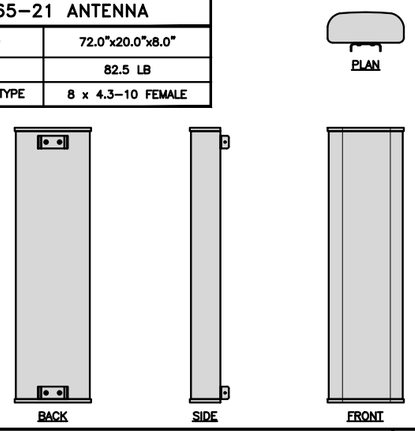
#	DESCRIPTION
1	PLATE, CHANNEL BRACKET
2	RRH Z BRACKET, 3/16"
3	THREADED ROD ASSEMBLY 1/2"x12"



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

RRH MOUNT DETAIL | NO SCALE | 3

JMA WIRELESS MX08FRO665-21 ANTENNA	
DIMENSIONS (HxWxD)	72.0"x20.0"x8.0"
TOTAL WEIGHT	82.5 LB
RF PORTS, CONNECTOR TYPE	8 x 4.3-10 FEMALE



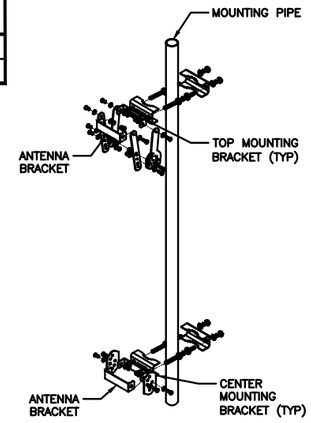
ANTENNA DETAIL | NO SCALE | 4

NOT USED | NO SCALE | 5

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

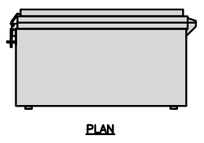
NOTE:
KIT #91900318: TOP AND BOTTOM BRACKETS FOR 4-,6-, AND 8-FOOT ANTENNAS

ANTENNA BRACKET NOT PART OF KIT



ANTENNA BRACKET DETAIL | NO SCALE | 6

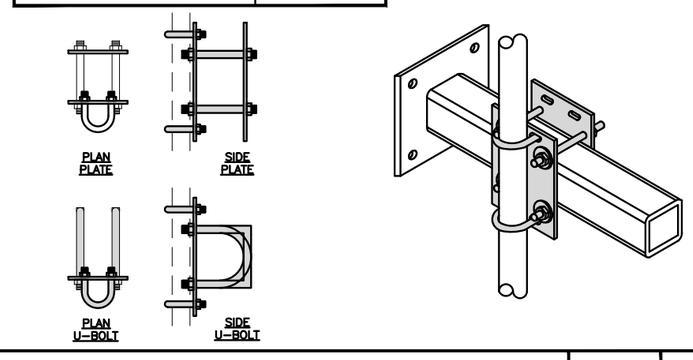
RAYCAP RDIDC-9181-PF-48 DC SURGE PROTECTION (OVP)	
DIMENSIONS (HxWxD)	18.98"x14.39"x8.15"
WEIGHT	21.82 LBS



SURGE SUPPRESSION DETAIL (OVP) | NO SCALE | 7

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

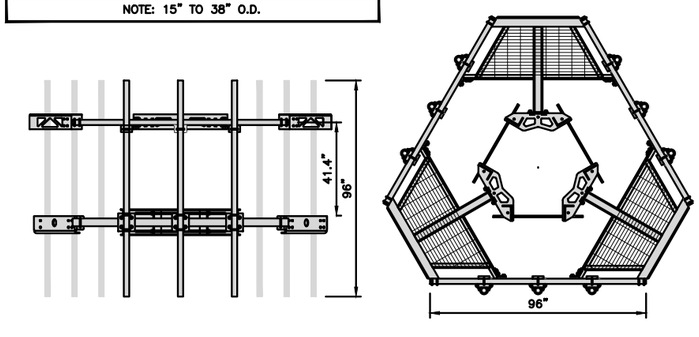
NOTE:
OR DISH Wireless L.L.C.
APPROVED EQUIVALENT



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

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

Kimley»Horn
COA #: PEC.0000738
421 FAYETTEVILLE ST, SUITE 600
RALEIGH, NC 27601

STATE OF CONNECTICUT
KYLE JENSEN FREEHART
34906
LICENSED PROFESSIONAL ENGINEER
Docusigned by:
Kyle Freehart
19BBE252A380AC1...

DRAWN BY:	CHECKED BY:	APPROVED BY:
XQD	MCK	MCK

RFDS REV #: ---

CONSTRUCTION DOCUMENTS

SUBMITTALS

REV	DATE	DESCRIPTION
A	09/30/2021	ISSUED FOR REVIEW
0	03/03/2022	ISSUED FOR CONSTRUCTION

A&E PROJECT NUMBER
KHCLE-16437

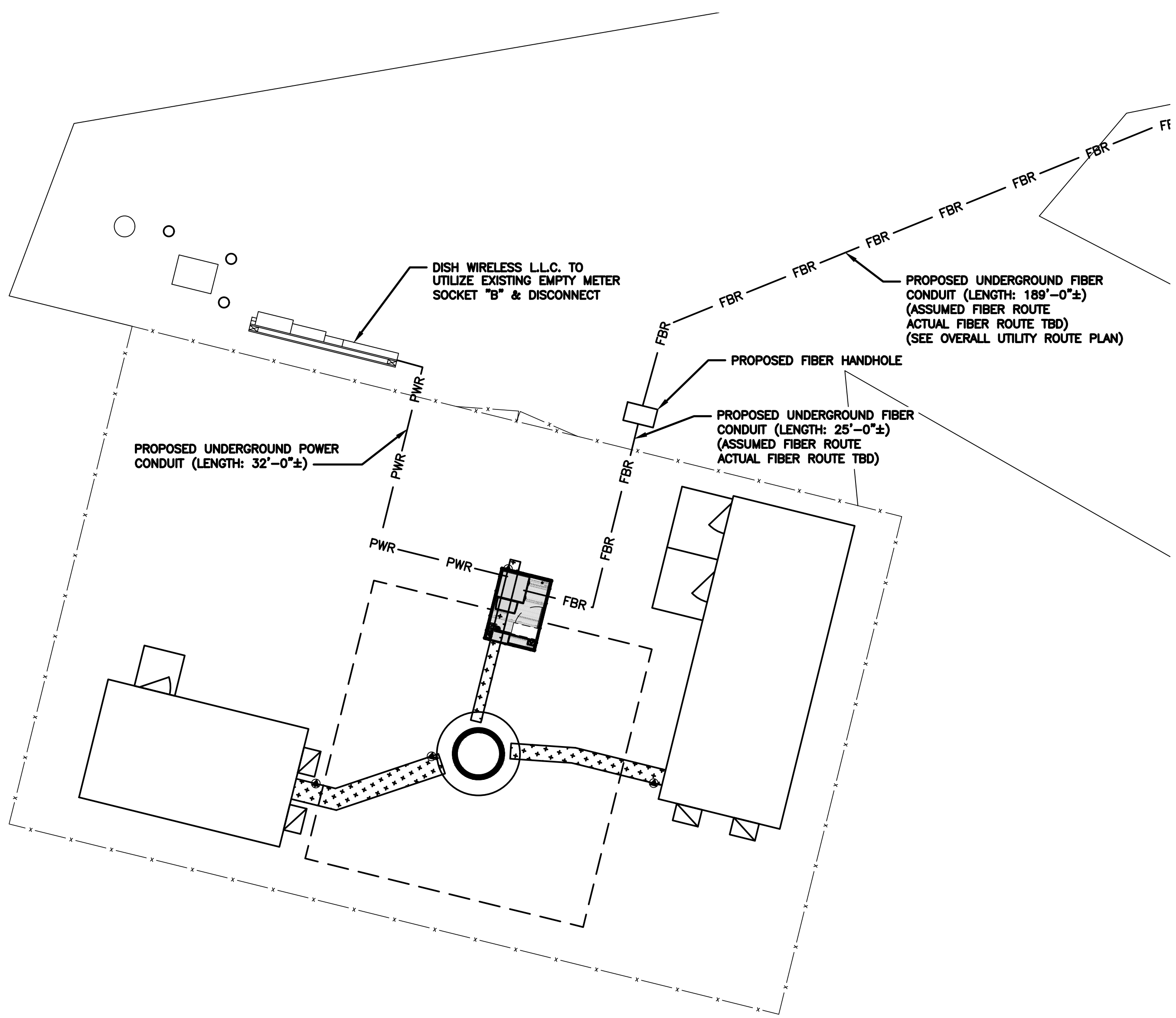
DISH Wireless L.L.C.
PROJECT INFORMATION
BOHVN00158A
50 WOODFIELD RD
WOODBRIDGE, CT 06525

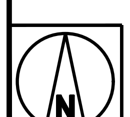
SHEET TITLE
EQUIPMENT DETAILS

SHEET NUMBER
A-6

NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL PROPOSED UNDERGROUND UTILITY CONDUIT ROUTE.
2. ANTENNAS AND MOUNTS OMITTED FOR CLARITY.
3. DUE TO UTILITY EASEMENT RIGHTS SPECIFIED IN THE GROUND LEASE, CUSTOMER MAY INSTALL EQUIPMENT WITHIN SPECIFIED UTILITY EASEMENT AREA. "PWR" AND "FBR" PATH DEPICTED ON A-1 AND E-1 REPRESENT PLANNED ROUTING BASED ON BEST AVAILABLE INFORMATION INCLUDING BUT NOT LIMITED TO A SURVEY, EXHIBITS, METES AND BOUNDS OF THE UTILITY EASEMENT, FIELD VERIFICATION, PRIOR PROJECT DOCUMENTATION AND OTHER REAL PROPETY RIGHTS DOCUMENTS. WHEN INSTALLING THE UTILITIES PLEASE LOCATE AND FOLLOW EXISTING PATH. IF EXISTING PATH IS MATERIALLY INCONSISTENT WITH "PWR" AND "FBR" PATH DEPICTED ON A-1 AND E-1 AND SAID VARIANCE IS NOT NOTED ON CDs, PLEASE NOTIFY TOWER OWNER AS FURTHER COORDINATION MAY BE NEEDED.



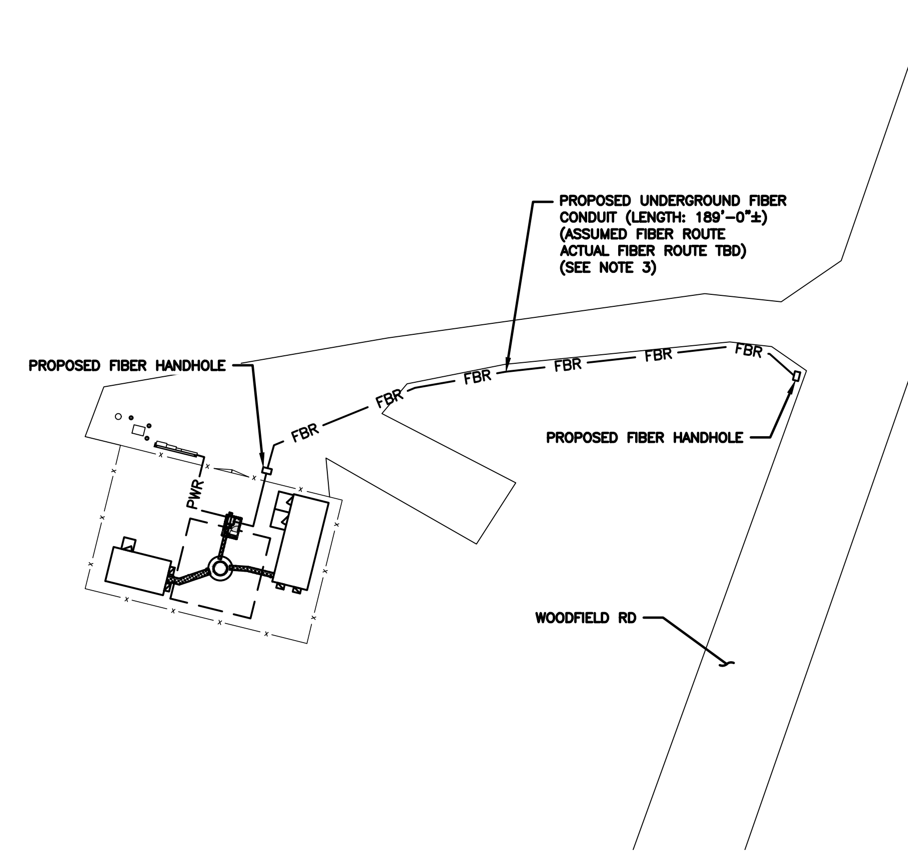


UTILITY ROUTE PLAN — 8' 4' 0 8' 16' — 1/8"=1'-0" — 1

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

ELECTRICAL NOTES — NO SCALE — 2



OVERALL UTILITY ROUTE PLAN — 32' 24' 16' 8' 0 32' 64' — 1/32"=1'-0" — 3

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LITTLETON, CO 80120

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RALEIGH, NC 27601

STATE OF CONNECTICUT — KYLE JENSEN FREEHART — 34906 — LICENSED PROFESSIONAL ENGINEER

DocuSigned by: Kyle Freehart
D8BEE252A3804C1...

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

DRAWN BY:	CHECKED BY:	APPROVED BY:
XQD	MCK	MCK

RFDS REV #: ---

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BOHVN00158A
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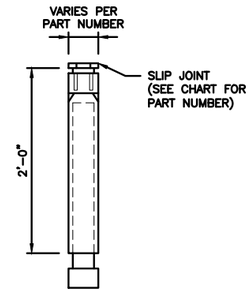
WOODBRIDGE, CT 06525

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"

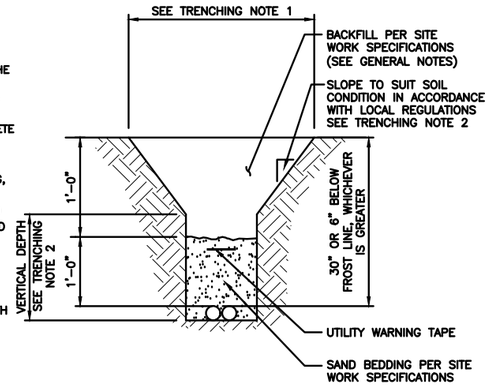


NOTE:
CONTRACTOR TO INSTALL EXPANSION FITTING SLIP JOINT AT METER CENTER CONDUIT TERMINATION, AS PER LOCAL UTILITY POLICY, ORDINANCE AND/OR SPECIFIED REQUIREMENT.

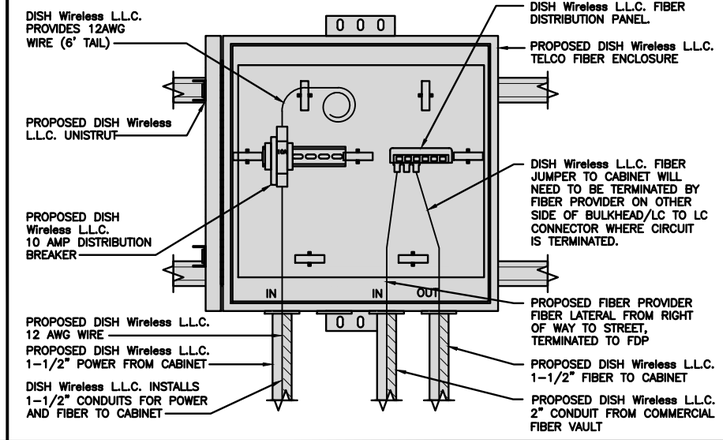
EXPANSION JOINT DETAIL | NO SCALE | 1

TRENCHING NOTES

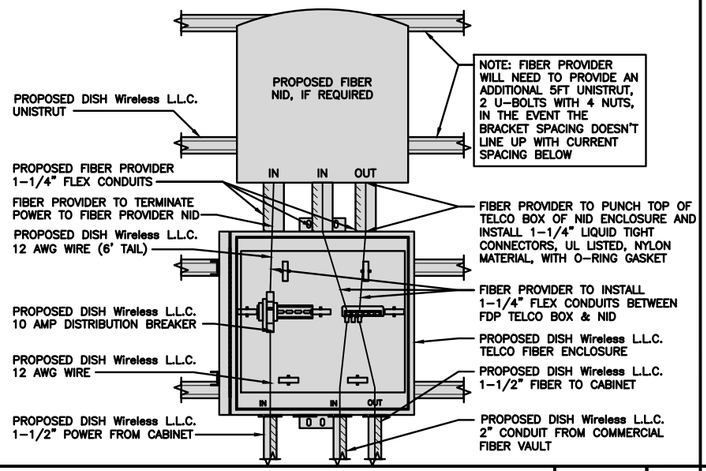
1. CONTRACTOR SHALL RESTORE THE TRENCH TO ITS ORIGINAL CONDITIONS BY EITHER SEEDING OR SODDING GRASS AREAS, OR REPLACING ASPHALT OR CONCRETE AREAS TO ITS ORIGINAL CROSS SECTION.
2. TRENCHING SAFETY; INCLUDING, BUT NOT LIMITED TO SOIL CLASSIFICATION, SLOPING, AND SHORING, SHALL BE GOVERNED BY THE CURRENT 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

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STATE OF CONNECTICUT
KYLE JENSEN FREEHART
34906
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DocuSigned by: Kyle Freehart
D8BEE252A384C1...

DRAWN BY:	CHECKED BY:	APPROVED BY:
XQD	MCK	MCK

RFDS REV #: ---

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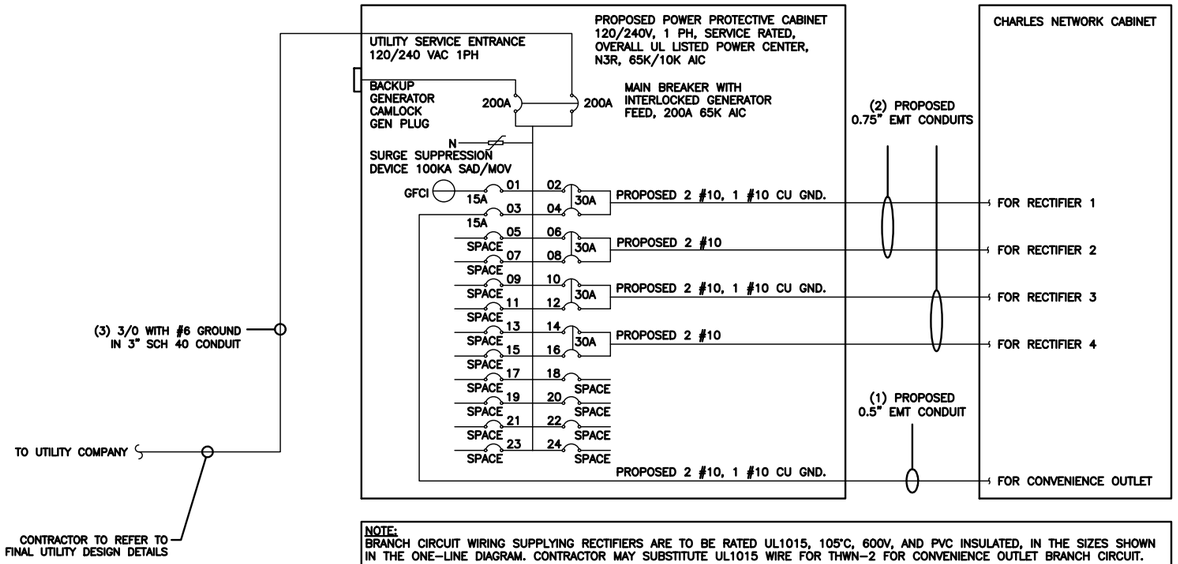
KHCLE-16437

DISH Wireless L.L.C.
PROJECT INFORMATION
BOHVN00158A
50 WOODFIELD RD
WOODBRIDGE, CT 06525

SHEET TITLE
ELECTRICAL DETAILS

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:
(4) 30A, 2P BREAKER - SQUARE D P/N:QO230
(1) 15A, 1P BREAKER - SQUARE D P/N:QO115

NOTES

THE ENGINEER OF RECORD HAS PERFORMED ALL REQUIRED SHORT CIRCUIT CALCULATIONS AND THE AIC RATINGS FOR EACH DEVICE IS ADEQUATE TO PROTECT THE EQUIPMENT AND THE ELECTRICAL SYSTEM.

THE ENGINEER OF RECORD HAS PERFORMED ALL REQUIRED VOLTAGE DROP CALCULATIONS AND ALL BRANCH CIRCUIT AND FEEDERS COMPLY WITH THE NEC (LISTED ON T-1) ARTICLE 210.19(A)(1) FPN NO. 4.

THE (2) CONDUITS WITH (4) CURRENT CARRYING CONDUCTORS EACH, SHALL APPLY THE ADJUSTMENT FACTOR OF 80% PER 2014/17 NEC TABLE 310.15(B)(3)(a) OR 2020 NEC TABLE 310.15(C)(1) FOR UL1015 WIRE.

#12 FOR 15A-20A/1P BREAKER: 0.8 x 30A = 24.0A
#10 FOR 25A-30A/2P BREAKER: 0.8 x 40A = 32.0A
#8 FOR 35A-40A/2P BREAKER: 0.8 x 55A = 44.0A
#6 FOR 45A-60A/2P BREAKER: 0.8 x 75A = 60.0A

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 (2 CONDUITS): USING UL1015, CU.

#10 - 0.0266 SQ. IN X 4 = 0.1064 SQ. IN
#10 - 0.0082 SQ. IN X 1 = 0.0082 SQ. IN <BARE GROUND
TOTAL = 0.1146 SQ. IN

0.75" EMT CONDUIT IS ADEQUATE TO HANDLE THE TOTAL OF (5) 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 CHARLES 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	30A	2880		ABB/GE INFINITY RECTIFIER 1
CHARLES GFCI OUTLET		180	15A	3	B	4			2880	
-SPACE-				5	A	6	30A	2880		ABB/GE INFINITY RECTIFIER 2
-SPACE-				7	B	8			2880	
-SPACE-				9	A	10	30A	2880		ABB/GE INFINITY RECTIFIER 3
-SPACE-				11	B	12			2880	
-SPACE-				13	A	14	30A	2880		ABB/GE INFINITY RECTIFIER 4
-SPACE-				15	B	16			2880	
-SPACE-				17	A	18				-SPACE-
-SPACE-				19	B	20				-SPACE-
-SPACE-				21	A	22				-SPACE-
-SPACE-				23	B	24				-SPACE-
VOLTAGE AMPS	180	180						11520	11520	
200A MCB, 1ϕ, 24 SPACE, 120/240V			L1		L2					
MB RATING: 65,000 AIC			11700		11700		VOLTAGE AMPS			
			98		98		AMPS			
			98				MAX AMPS			
			123				MAX 125%			

PANEL SCHEDULE

NO SCALE | 2

NOT USED

NO SCALE | 3

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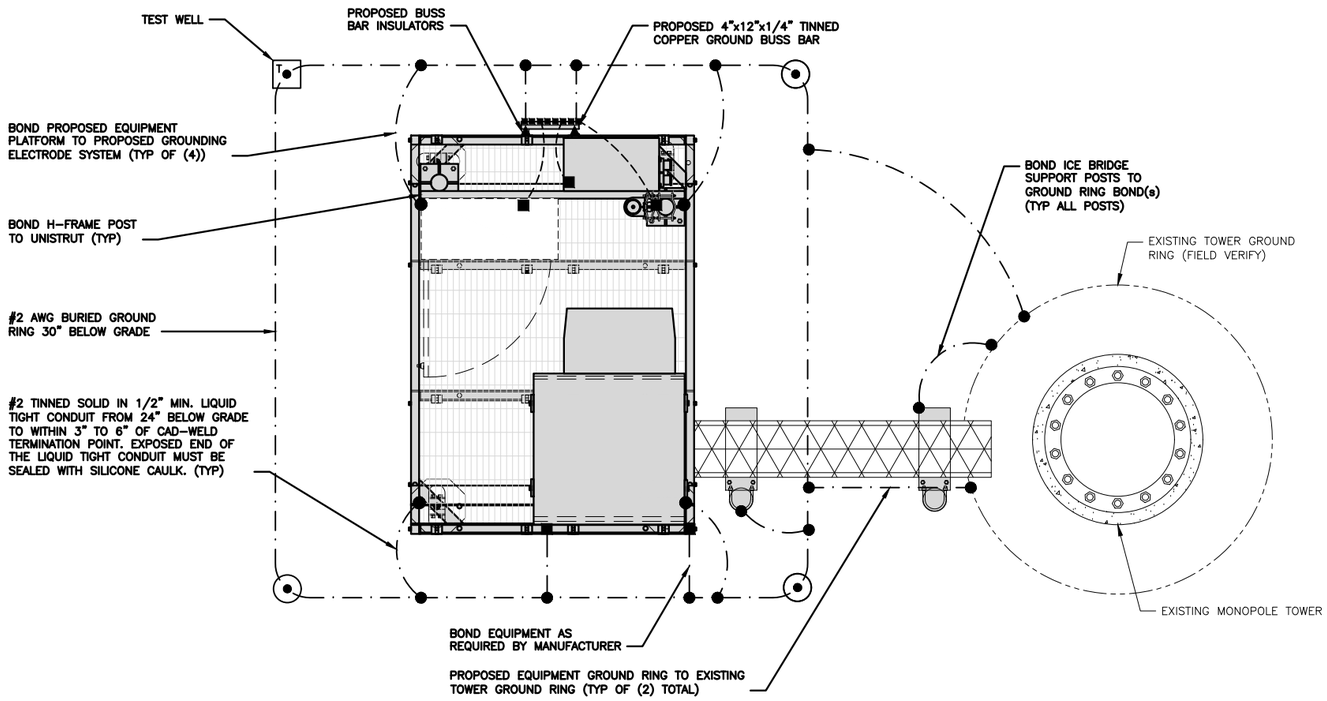
KHCLE-16437

DISH Wireless L.L.C.
PROJECT INFORMATION
BOHVN00158A
50 WOODFIELD RD
WOODBRIDGE, CT 06525

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

SHEET NUMBER
E-3

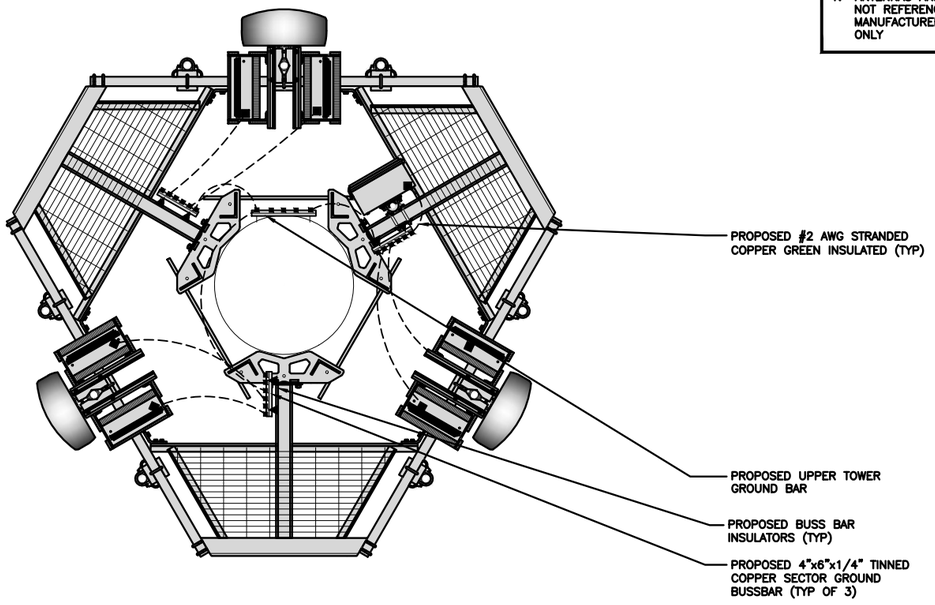


TYPICAL EQUIPMENT GROUNDING PLAN

NO SCALE | 1

NOTES

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



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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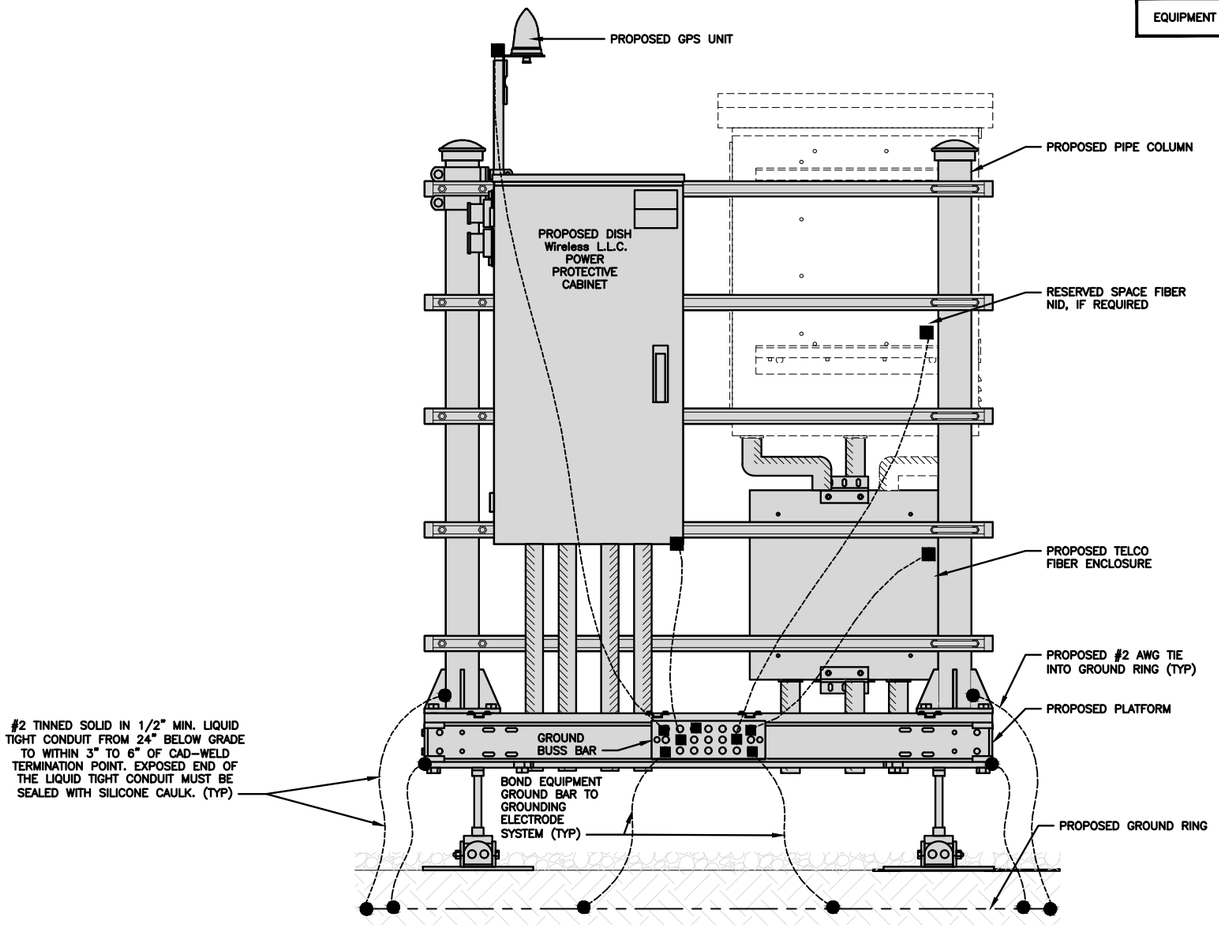
SHEET TITLE
GROUNDING PLANS AND NOTES

SHEET NUMBER
G-1

NOTES

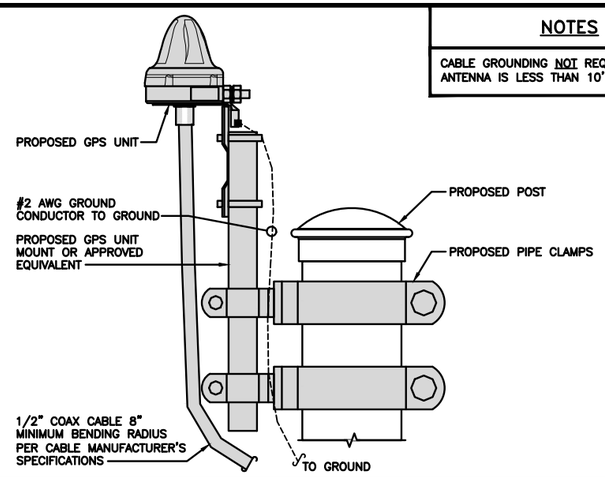
EQUIPMENT CABINET OMITTED FOR CLARITY



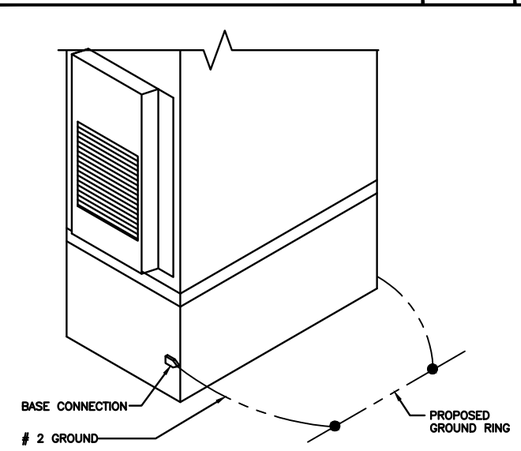
H-FRAME GROUNDING DETAIL | NO SCALE | 1

NOTES

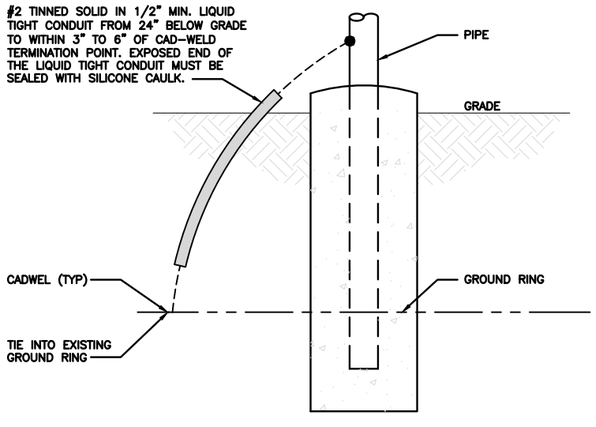
CABLE GROUNDING NOT REQUIRED WHEN ANTENNA IS LESS THAN 10' FROM CABINET



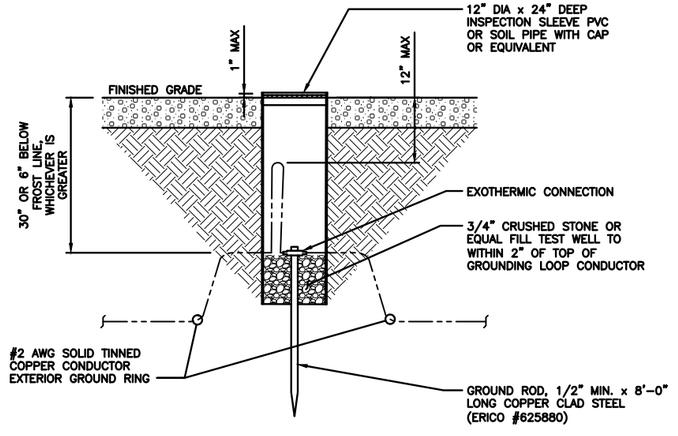
TYPICAL GPS UNIT GROUNDING | NO SCALE | 2



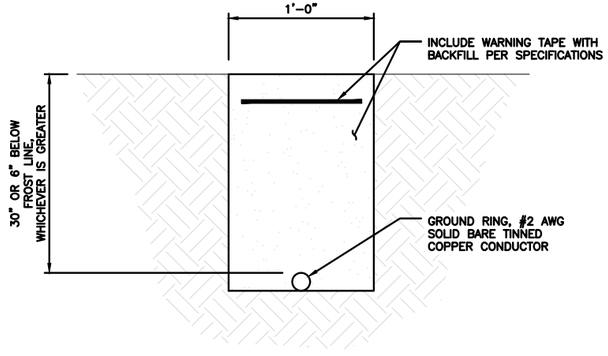
OUTDOOR CABINET GROUNDING | NO SCALE | 3



TRANSITIONING GROUND DETAIL | NO SCALE | 4



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



TYPICAL GROUND RING TRENCH | NO SCALE | 6

dish wireless.
5701 SOUTH SANTA FE DRIVE
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421 FAYETTEVILLE ST, SUITE 600
RALEIGH, NC 27601

STATE OF CONNECTICUT
KYLE JENSEN FREEHART
34906
LICENSED PROFESSIONAL ENGINEER

Docusigned by:
Kyle Freehart
19BBE252A39A4C1...

DRAWN BY:	CHECKED BY:	APPROVED BY:
XQD	MCK	MCK

RFDS REV #: ---

CONSTRUCTION DOCUMENTS

SUBMITTALS

REV	DATE	DESCRIPTION
A	09/30/2021	ISSUED FOR REVIEW
0	03/03/2022	ISSUED FOR CONSTRUCTION

A&E PROJECT NUMBER
KHCLE-16437

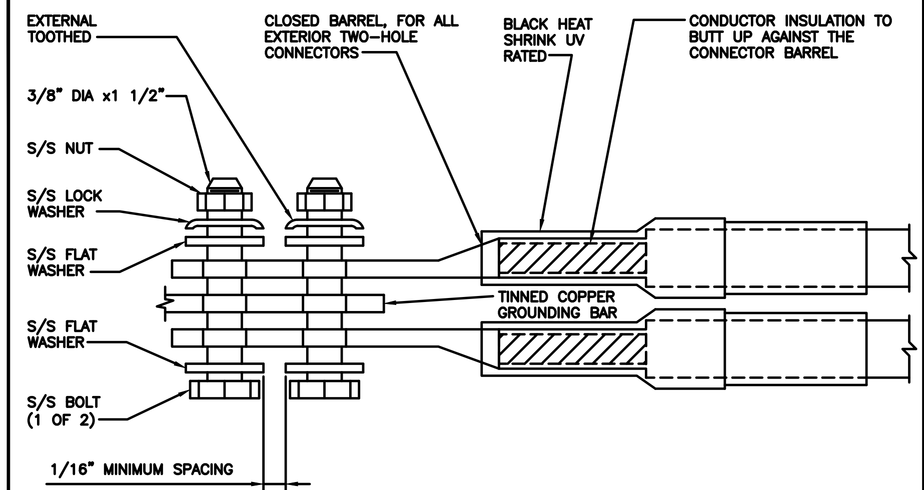
DISH Wireless L.L.C.
PROJECT INFORMATION
BOHVN00158A
50 WOODFIELD RD
WOODBRIDGE, CT 06525

SHEET TITLE
GROUNDING DETAILS

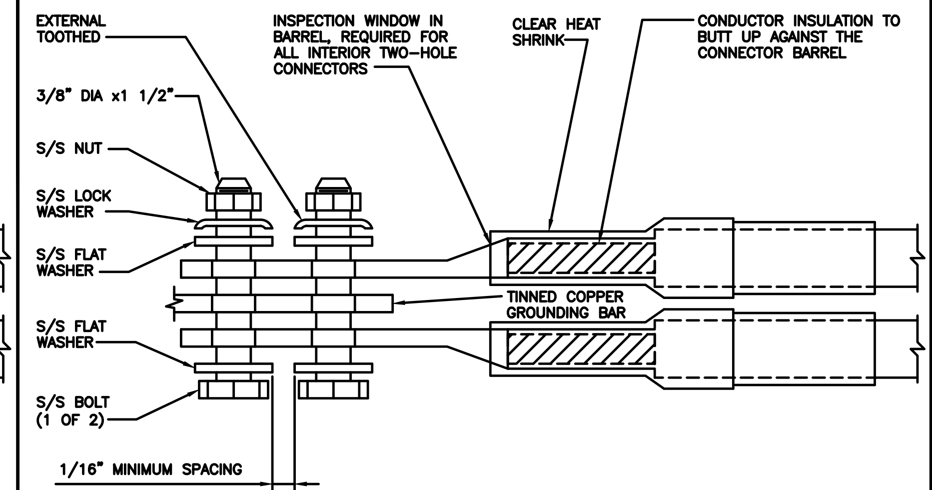
SHEET NUMBER
G-2

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).

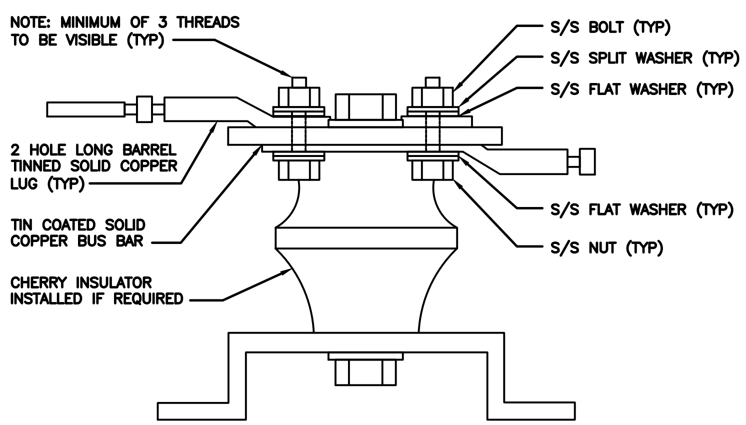
TYPICAL GROUNDING NOTES | NO SCALE | 1



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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RALEIGH, NC 27601

STATE OF CONNECTICUT — KYLE JENSEN FREEHART — 34906 — LICENSED PROFESSIONAL ENGINEER
DocuSigned by: Kyle Freehart
D8BEE252A3804C1...

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

DRAWN BY:	CHECKED BY:	APPROVED BY:
XQD	MCK	MCK

RFDS REV #: ---

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50 WOODFIELD RD
WOODBRIDGE, CT 06525

SHEET TITLE
GROUNDING DETAILS

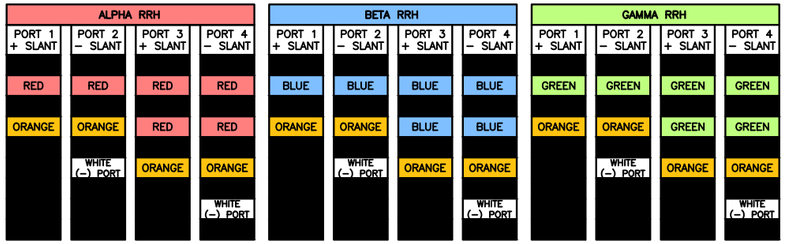
SHEET NUMBER
G-3

RF JUMPER COLOR CODING

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

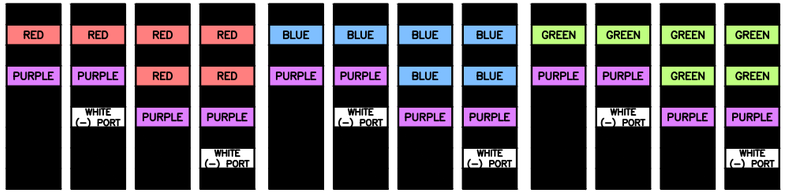
LOW-BAND RRH –
(600MHz N71 BASEBAND) +
(850MHz N26 BAND) +
(700MHz N29 BAND) – OPTIONAL PER MARKET

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)

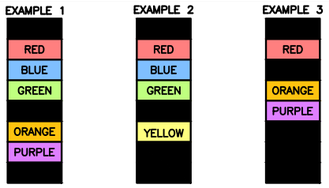


HYBRID/DISCREET CABLES

INCLUDE SECTOR BANDS BEING SUPPORTED
ALONG WITH FREQUENCY BANDS

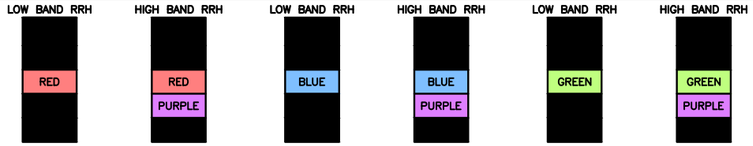
EXAMPLE 1 – HYBRID, OR DISCREET, SUPPORTS
ALL SECTORS, BOTH LOW-BANDS AND MID-BANDS

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



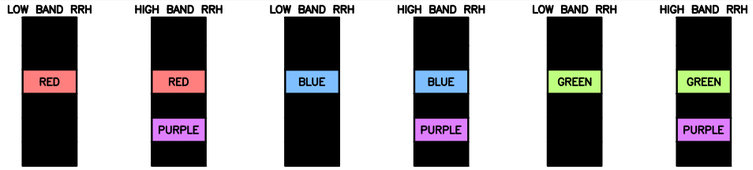
FIBER JUMPERS TO RRHs

LOW-BAND RRH FIBER CABLES HAVE SECTOR
STRIPE ONLY

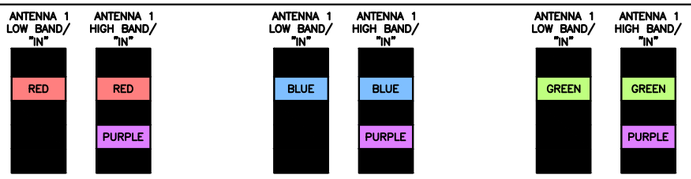


POWER CABLES TO RRHs

LOW-BAND RRH POWER CABLES HAVE SECTOR
STRIPE ONLY



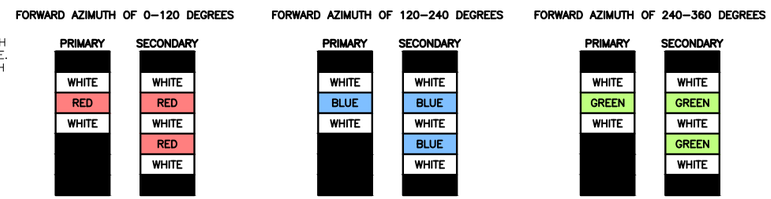
RET MOTORS AT ANTENNAS



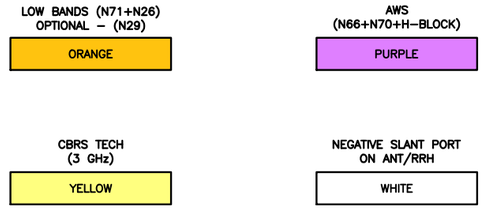
MICROWAVE RADIO LINKS

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

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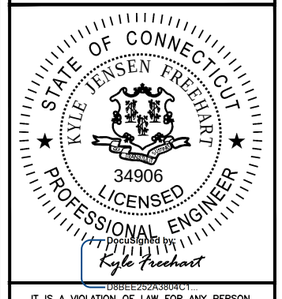

DRAWN BY:	CHECKED BY:	APPROVED BY:
XQD	MCK	MCK

RFDS REV #: ---

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KHCLE-16437

DISH Wireless L.L.C.
PROJECT INFORMATION
BOHVN00158A
50 WOODFIELD RD
WOODBRIDGE, CT 06525

SHEET TITLE
RF
CABLE COLOR CODES

SHEET NUMBER
RF-1

LEGEND

EXOTHERMIC CONNECTION

MECHANICAL CONNECTION

BUSS BAR INSULATOR

CHEMICAL ELECTROLYTIC GROUNDING SYSTEM

TEST CHEMICAL ELECTROLYTIC GROUNDING SYSTEM — T

EXOTHERMIC WITH INSPECTION SLEEVE

GROUNDING BAR

GROUND ROD

TEST GROUND ROD WITH INSPECTION SLEEVE — T

SINGLE POLE SWITCH — $

DUPLEX RECEPTACLE

DUPLEX GFCI RECEPTACLE — GFCI

FLUORESCENT LIGHTING FIXTURE (2) TWO LAMPS 48–T8 — F

SMOKE DETECTION (DC) — SD

EMERGENCY LIGHTING (DC)

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

CHAIN LINK FENCE — X — X — X — X

WOOD/WROUGHT IRON FENCE

WALL STRUCTURE

LEASE AREA

PROPERTY LINE (PL)

SETBACKS

ICE BRIDGE

CABLE TRAY

WATER LINE — W — W — W — W — W

UNDERGROUND POWER — UGP — UGP — UGP — UGP — UGP

UNDERGROUND TELCO — UGT — UGT — UGT — UGT — UGT

OVERHEAD POWER — OHP — OHP — OHP — OHP

OVERHEAD TELCO — OHT — OHT — OHT — OHT

UNDERGROUND TELCO/POWER — UGT/P — UGT/P — UGT/P — UGT/P

ABOVE GROUND POWER — AGP — AGP — AGP — AGP — AGP

ABOVE GROUND TELCO — AGT — AGT — AGT — AGT — AGT

ABOVE GROUND TELCO/POWER — AGT/P — AGT/P — AGT/P — AGT/P

WORKPOINT — W.P.

SECTION REFERENCE — XX / X–X

DETAIL REFERENCE — XX / X–X

ABBREVIATIONS

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

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PROJECT INFORMATION

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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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STATE OF CONNECTICUT
KYLE JENSEN FREEHART
34906
LICENSED
PROFESSIONAL ENGINEER

Docusigned by:
Kyle Freehart
19BBE252A380AC1...

DRAWN BY:	CHECKED BY:	APPROVED BY:
XQD	MCK	MCK

RFDS REV #: ---

CONSTRUCTION DOCUMENTS

SUBMITTALS

REV	DATE	DESCRIPTION
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0	03/03/2022	ISSUED FOR CONSTRUCTION

A&E PROJECT NUMBER

KHCLE–16437

DISH Wireless L.L.C.
PROJECT INFORMATION

BOHVN00158A
50 WOODFIELD RD
WOODBRIDGE, CT 06525

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.

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STATE OF CONNECTICUT
KYLE JENSEN FREEHART
34906
LICENSED
PROFESSIONAL ENGINEER

Designed by:
Kyle Freehart
DocuSigned by:
[illegible]

DRAWN BY:	CHECKED BY:	APPROVED BY:
XQD	MCK	MCK

RFDS REV #: ---

CONSTRUCTION DOCUMENTS

SUBMITTALS

REV	DATE	DESCRIPTION
A	09/30/2021	ISSUED FOR REVIEW
0	03/03/2022	ISSUED FOR CONSTRUCTION

A&E PROJECT NUMBER

KHCLE-16437

DISH Wireless L.L.C.
PROJECT INFORMATION

BOHVN00158A
50 WOODFIELD RD
WOODBRIDGE, CT 06525

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.

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KYLE JENSEN FREEHART
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LICENSED PROFESSIONAL ENGINEER

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DRAWN BY:	CHECKED BY:	APPROVED BY:
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PROJECT INFORMATION

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SHEET TITLE

GENERAL NOTES

SHEET NUMBER

GN-4

DocuSign

Certificate Of Completion

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Signing Complete	Security Checked	3/7/2022 10:54:11 AM
Completed	Security Checked	3/7/2022 10:54:11 AM

Payment Events	Status	Timestamps

Exhibit D

Structural Analysis Report

Date: **September 10, 2021**

Crown Castle
2000 Corporate Drive
Canonsburg. PA 15317
(724) 416-2000

Subject:	**Structural Analysis Report**	
Carrier Designation:	***DISH Network* Co-Locate**	
	Site Number:	BOHVN00158A
	Site Name:	CT-CCI-T-842879
Crown Castle Designation:	**BU Number:**	842879
	Site Name:	WOODBRIDGE COUNTRY CLUB
	JDE Job Number:	645146
	Work Order Number:	1966285
	Order Number:	553376 Rev. 1
Engineering Firm Designation:	**Crown Castle Project Number:**	1966285
Site Data:	**50 WOODFIELD ROAD, WOODBRIDGE, NEW HAVEN County, CT**	
	Latitude *41° 19' 39.5"*, Longitude *-72° 59' 36.84"*	
	102 Foot - Monopole Tower	

Crown Castle is pleased to submit this **"Structural Analysis Report"** to determine the structural integrity of the above-mentioned tower.

The purpose of the analysis is to determine acceptability of the tower stress level. Based on our analysis we have determined the tower stress level for the structure and foundation, under the following load case, to be:

LC5: Proposed Equipment Configuration **Sufficient Capacity - 29.8%**

This analysis utilizes an ultimate 3-second gust wind speed of 119 mph as required by the 2018 Connecticut State Building Code. Applicable Standard references and design criteria are listed in Section 2 - "Analysis Criteria".

Structural analysis prepared by: Hayes Lei

Respectfully submitted by:

Digitally signed by Bradley E Byrom
Date: 2021.09.12 09:15:49 -04'00'

STATE OF CONNECTICUT
BRADLEY E. BYROM
No. 31144
LICENSED
PROFESSIONAL ENGINEER

Bradley E. Byrom, P.E., S.E.
Senior Project Engineer

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 102 ft Monopole tower designed by EEI.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	119 mph
Exposure Category:	C
Topographic Factor:	1
Ice Thickness:	1 in
Wind Speed with Ice:	50 mph
Service Wind Speed:	60 mph

Table 1 - Proposed Equipment Configuration

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
67.0	67.0	3	fujitsu	TA08025-B604	1	1-3/8
		3	fujitsu	TA08025-B605		
		3	jma wireless	MX08FRO665-21 w/ Mount Pipe		
		1	raycap	RDIDC-9181-PF-48		
		1	tower mounts	Commscope MC-PK8-DSH		

Table 2 - Other Considered Equipment

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
98.0	99.0	3	cci antennas	DMP65R-BU6D w/ Mount Pipe	2 2 3 6	3/8 3/4 7/8 1-5/8
		3	cci antennas	OPA65R-BU6D w/ Mount Pipe		
		3	ericsson	RRUS 4449 B5/B12		
		3	ericsson	RRUS 4478 B14_CCIV2		
		3	ericsson	RRUS 8843 B2/B66A_CCIV2		
		3	powerwave technologies	7770.00 w/ Mount Pipe		
		6	powerwave technologies	LGP21401		
		1	raycap	DC6-48-60-18-8F		
		1	raycap	DC9-48-60-24-8C-EV		
	98.0	1	tower mounts	Platform Mount [LP 712-1]		
90.0	90.0	3	alcatel lucent	RRH2X40-AWS	13	1-5/8
		3	antel	BXA-171063-8BF-2 w/ Mount Pipe		
		3	antel	BXA-171063/8CF w/ Mount Pipe		
		3	antel	BXA-70063/6CF w/ Mount Pipe		
		3	antel	BXA-80063/4CF w/ Mount Pipe		
		1	rfs celwave	DB-T1-6Z-8AB-0Z		
		1	tower mounts	Platform Mount [LP 303-1]		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
80.0	83.0	2	dragonwave	A-ANT-18G-2-C	4 5 2	5/16 1/2 conduit
		2	dragonwave	HORIZON DUO		
	80.0	3	argus technologies	LLPX310R w/ Mount Pipe		
		3	samsung telecommunications	URAS-FLEXIBLE		
		1	tower mounts	Side Arm Mount [SO 102-3]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
4-GEOTECHNICAL REPORTS	4529495	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	7160639	CCISITES
4-TOWER MANUFACTURER DRAWINGS	7160648	CCISITES

3.1) Analysis Method

tnxTower (version 8.1.1.0), a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for various loading cases. Selected output from the analysis is included in Appendix A. When applicable, Crown Castle has calculated and provided the effective area for panel antennas using approved methods following the intent of the TIA-222 standard.

3.2) Assumptions

1) Tower and structures were maintained in accordance with the TIA-222 Standard.
2) The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Tables 1 and 2 and the referenced drawings.

This analysis may be affected if any assumptions are not valid or have been made in error. Crown Castle should be notified to determine the effect on the structural integrity of the tower.

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L1	102 - 86.58	Pole	TP34.3925x29.58x0.3125	1	-5.26	1984.45	3.0	Pass
L2	86.58 - 42.7433	Pole	TP47.4475x32.2591x0.375	2	-20.85	3293.22	17.4	Pass
L3	42.7433 - 0	Pole	TP60x44.669x0.375	3	-36.43	4359.25	28.8	Pass
							Summary	
						Pole (L3)	28.8	Pass
						Rating =	28.8	Pass

Table 5 - Tower Component Stresses vs. Capacity - LC5

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	23.3	Pass
1	Base Plate	0	29.8	Pass
1	Base Foundation (Structure)	0	28.7	Pass
1	Base Foundation (Soil Interaction)	0	29.8	Pass

Structure Rating (max from all components) =	29.8%

Notes:
1) See additional documentation in “Appendix C – Additional Calculations” for calculations supporting the % capacity consumed.

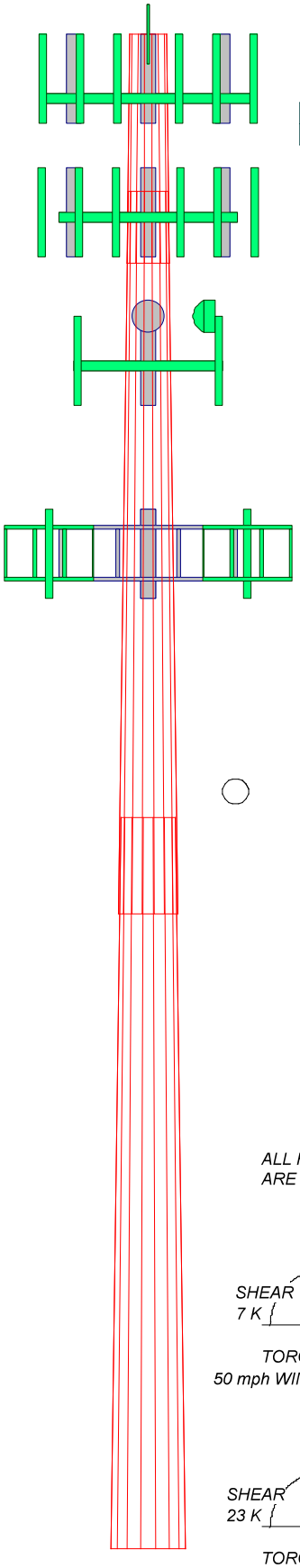
4.1) Recommendations

The tower and its foundation have sufficient capacity to carry the proposed load configuration. No modifications are required at this time.

APPENDIX A

TNXTOWER OUTPUT

Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	15.42	18	0.3125	4.83	29.5800	34.3925		1.6
2	48.67	18	0.3750	6.50	32.2591	47.4475		7.8
3	49.24	18	0.3750		44.6690	60.0000		10.4
							A572-65	19.8



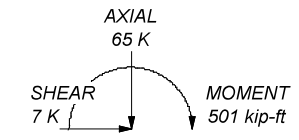
MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-65	65 ksi	80 ksi			

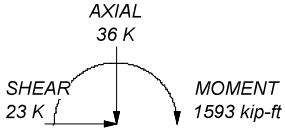
TOWER DESIGN NOTES

1. Tower is located in New Haven County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 119 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 2.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 28.8%

ALL REACTIONS ARE FACTORED



TORQUE 1 kip-ft
50 mph WIND - 2.0000 in ICE



TORQUE 2 kip-ft
REACTIONS - 119 mph WIND

CROWN CASTLE
The Pathway To Possible

Crown Castle
2000 Corporate Drive
Canonsburg. PA 15317
Phone: (724) 416-2000
FAX:

Job: *BU 842879*			
Project:			
Client: Crown Castle	Drawn by: HLei		App'd:
Code: TIA-222-H	Date: 09/10/21		Scale: NTS
Path: C:\Temporary Working Space - No One Drive\842879\WO 1966285 - SA\Prod\842879.eri			Dwg No. E-1

Tower Input Data

The tower is a monopole.
This tower is designed using the TIA-222-H standard.
The following design criteria apply:

- Tower is located in New Haven County, Connecticut.
- Tower base elevation above sea level: 360.00 ft.
- Basic wind speed of 119 mph.
- Risk Category II.
- Exposure Category C.
- Simplified Topographic Factor Procedure for wind speed-up calculations is used.
- Topographic Category: 1.
- Crest Height: 0.00 ft.
- Nominal ice thickness of 2.0000 in.
- Ice thickness is considered to increase with height.
- Ice density of 56 pcf.
- A wind speed of 50 mph is used in combination with ice.
- Temperature drop of 50 °F.
- Deflections calculated using a wind speed of 60 mph.
- A non-linear (P-delta) analysis was used.
- Pressures are calculated at each section.
- Stress ratio used in pole design is 1.
- Tower analysis based on target reliabilities in accordance with Annex S.
- Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
- Maximum demand-capacity ratio is: 1.05.
- Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

	Consider Moments - Legs		Distribute Leg Loads As Uniform		Use ASCE 10 X-Brace Ly Rules
	Consider Moments - Horizontals		Assume Legs Pinned		Calculate Redundant Bracing Forces
	Consider Moments - Diagonals	√	Assume Rigid Index Plate		Ignore Redundant Members in FEA
	Use Moment Magnification	√	Use Clear Spans For Wind Area		SR Leg Bolts Resist Compression
√	Use Code Stress Ratios		Use Clear Spans For KL/r		All Leg Panels Have Same Allowable
√	Use Code Safety Factors - Guys		Retension Guys To Initial Tension		Offset Girt At Foundation
	Escalate Ice	√	Bypass Mast Stability Checks	√	Consider Feed Line Torque
	Always Use Max Kz	√	Use Azimuth Dish Coefficients		Include Angle Block Shear Check
	Use Special Wind Profile	√	Project Wind Area of Appurt.		Use TIA-222-H Bracing Resist. Exemption
	Include Bolts In Member Capacity		Autocalc Torque Arm Areas		Use TIA-222-H Tension Splice Exemption
	Leg Bolts Are At Top Of Section		Add IBC .6D+W Combination		Poles
	Secondary Horizontal Braces Leg	√	Sort Capacity Reports By Component	√	Include Shear-Torsion Interaction
	Use Diamond Inner Bracing (4 Sided)		Triangulate Diamond Inner Bracing		Always Use Sub-Critical Flow
	SR Members Have Cut Ends		Treat Feed Line Bundles As Cylinder		Use Top Mounted Sockets
	SR Members Are Concentric		Ignore KL/ry For 60 Deg. Angle Legs		Pole Without Linear Attachments
					Pole With Shroud Or No Appurtenances
					Outside and Inside Corner Radii Are Known

Tapered Pole Section Geometry

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L1	102.00-86.58	15.42	4.83	18	29.5800	34.3925	0.3125	1.2500	A572-65 (65 ksi)
L2	86.58-42.74	48.67	6.50	18	32.2591	47.4475	0.3750	1.5000	A572-65 (65 ksi)
L3	42.74-0.00	49.24		18	44.6690	60.0000	0.3750	1.5000	A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L1	29.9881	29.0297	3141.6028	10.3900	15.0266	209.0689	6287.3394	14.5176	4.6561	14.899
	34.8749	33.8031	4960.1311	12.0984	17.4714	283.9002	9926.7888	16.9048	5.5031	17.61
L2	34.2304	37.9500	4874.1199	11.3188	16.3876	297.4273	9754.6533	18.9786	5.0176	13.38
	48.1216	56.0280	15684.7439	16.7107	24.1033	650.7293	31390.1262	28.0193	7.6908	20.509
L3	47.3552	52.7210	13068.0765	15.7244	22.6919	575.8923	26153.3483	26.3655	7.2018	19.205
	60.8677	70.9687	31875.7797	21.1669	30.4800	1045.7933	63793.5023	35.4911	9.9000	26.4

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L1 102.00-86.58				1	1	1			
L2 86.58-42.74				1	1	1			
L3 42.74-0.00				1	1	1			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
* *** CU12PSM9P8XXX(1-3/8) *** ** *	C	No	Surface Ar (CaAa)	67.00 - 0.00	1	1	0.500 0.500	1.4110		1.66

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
* ***98*** LDF7-50A(1-5/8)	A	No	No	Inside Pole	98.00 - 0.00	6	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
							2" Ice	0.00	0.82
FB-L98B-034-XXX(3/8)	A	No	No	Inside Pole	98.00 - 0.00	1	No Ice	0.00	0.06
							1/2" Ice	0.00	0.06
							1" Ice	0.00	0.06
							2" Ice	0.00	0.06
WR-VG86ST-BRD(3/4)	A	No	No	Inside Pole	98.00 - 0.00	2	No Ice	0.00	0.58
							1/2" Ice	0.00	0.58
							1" Ice	0.00	0.58
							2" Ice	0.00	0.58
FB-L98B-034-XXX(3/8)	A	No	No	Inside Pole	98.00 - 0.00	1	No Ice	0.00	0.06
							1/2" Ice	0.00	0.06
							1" Ice	0.00	0.06
							2" Ice	0.00	0.06
WR-VG66ST-BRD(7/8)	A	No	No	Inside Pole	98.00 - 0.00	3	No Ice	0.00	0.91
							1/2" Ice	0.00	0.91
							1" Ice	0.00	0.91
							2" Ice	0.00	0.91
90									
LDF7-50A(1-5/8)	C	No	No	Inside Pole	90.00 - 0.00	12	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
							2" Ice	0.00	0.82
MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	C	No	No	Inside Pole	90.00 - 0.00	1	No Ice	0.00	1.07
							1/2" Ice	0.00	1.07
							1" Ice	0.00	1.07
							2" Ice	0.00	1.07
80									
LDF4-50A(1/2)	B	No	No	Inside Pole	80.00 - 0.00	5	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15
							2" Ice	0.00	0.15
9207(5/16)	B	No	No	Inside Pole	80.00 - 0.00	4	No Ice	0.00	0.60
							1/2" Ice	0.00	0.60
							1" Ice	0.00	0.60
							2" Ice	0.00	0.60
2" Flex Conduit	B	No	No	Inside Pole	80.00 - 0.00	2	No Ice	0.00	0.36
							1/2" Ice	0.00	0.36
							1" Ice	0.00	0.36
							2" Ice	0.00	0.36
75									
***									
***									
**									
*									

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	102.00-86.58	A	0.000	0.000	0.000	0.000	0.10
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.04
L2	86.58-42.74	A	0.000	0.000	0.000	0.000	0.39
		B	0.000	0.000	0.000	0.000	0.14
		C	0.000	0.000	3.423	0.000	0.52
L3	42.74-0.00	A	0.000	0.000	0.000	0.000	0.38
		B	0.000	0.000	0.000	0.000	0.17
		C	0.000	0.000	6.031	0.000	0.54

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	102.00-86.58	A	1.888	0.000	0.000	0.000	0.000	0.10
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.04
L2	86.58-42.74	A	1.816	0.000	0.000	0.000	0.000	0.39
		B		0.000	0.000	0.000	0.000	0.14
		C		0.000	0.000	12.581	0.000	0.70
L3	42.74-0.00	A	1.627	0.000	0.000	0.000	0.000	0.38
		B		0.000	0.000	0.000	0.000	0.17
		C		0.000	0.000	21.555	0.000	0.84

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	102.00-86.58	0.0000	0.0000	0.0000	0.0000
L2	86.58-42.74	-0.5900	0.3406	-1.1749	0.6783
L3	42.74-0.00	-0.9746	0.5627	-1.9159	1.1061

Note: For pole sections, center of pressure calculations do not consider feed line shielding.

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L2	23	CU12PSM9P8XXX(1-3/8)	42.74 - 67.00	1.0000	1.0000
L3	23	CU12PSM9P8XXX(1-3/8)	0.00 - 42.74	1.0000	1.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft
Lighting Rod 5/8" x 4' ***98***	C	None		0.0000	102.00
7770.00 w/ Mount Pipe	A	From Leg	4.00 0.00 1.00	0.0000	98.00
7770.00 w/ Mount Pipe	B	From Leg	4.00 0.00 1.00	0.0000	98.00
7770.00 w/ Mount Pipe	C	From Leg	4.00	0.0000	98.00

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
			0.00 1.00		
(2) LGP21401	A	From Leg	4.00 0.00 1.00	0.0000	98.00
(2) LGP21401	B	From Leg	4.00 0.00 1.00	0.0000	98.00
(2) LGP21401	C	From Leg	4.00 0.00 1.00	0.0000	98.00
DC6-48-60-18-8F	A	From Leg	4.00 0.00 1.00	0.0000	98.00
OPA65R-BU6D w/ Mount Pipe	A	From Leg	4.00 0.00 1.00	0.0000	98.00
OPA65R-BU6D w/ Mount Pipe	B	From Leg	4.00 0.00 1.00	0.0000	98.00
OPA65R-BU6D w/ Mount Pipe	C	From Leg	4.00 0.00 1.00	0.0000	98.00
DMP65R-BU6D w/ Mount Pipe	A	From Leg	4.00 0.00 1.00	0.0000	98.00
DMP65R-BU6D w/ Mount Pipe	B	From Leg	4.00 0.00 1.00	0.0000	98.00
DC9-48-60-24-8C-EV	B	From Leg	4.00 0.00 1.00	0.0000	98.00
RRUS 4478 B14_CCIV2	A	From Leg	4.00 0.00 1.00	0.0000	98.00
RRUS 4478 B14_CCIV2	B	From Leg	4.00 0.00 1.00	0.0000	98.00
RRUS 4478 B14_CCIV2	C	From Leg	4.00 0.00 1.00	0.0000	98.00
RRUS 8843 B2/B66A_CCIV2	A	From Leg	4.00 0.00 1.00	0.0000	98.00
RRUS 8843 B2/B66A_CCIV2	B	From Leg	4.00 0.00 1.00	0.0000	98.00
RRUS 8843 B2/B66A_CCIV2	C	From Leg	4.00 0.00 1.00	0.0000	98.00
RRUS 4449 B5/B12	A	From Leg	4.00 0.00 1.00	0.0000	98.00
RRUS 4449 B5/B12	B	From Leg	4.00 0.00 1.00	0.0000	98.00
RRUS 4449 B5/B12	C	From Leg	4.00 0.00 1.00	0.0000	98.00
Platform Mount [LP 712-1]	C	None		0.0000	98.00
(2) 6' x 2" Mount Pipe	A	From Leg	4.00 0.00	0.0000	98.00

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
(2) 6' x 2" Mount Pipe	B	From Leg	0.00 4.00 0.00	0.0000	98.00
(2) 6' x 2" Mount Pipe	C	From Leg	0.00 4.00 0.00	0.0000	98.00
Transition Ladder	A	From Leg	0.00 1.00 0.00	0.0000	98.00
4' x 3.5" Mount Pipe	A	From Leg	0.00 1.00 0.00	0.0000	98.00
4' x 3.5" Mount Pipe	C	From Leg	0.00 1.00 0.00	0.0000	98.00
4' x 2" Horizontal Face Mount Pipe	A	From Leg	0.00 1.00 0.00	0.0000	98.00
4' x 2" Pipe Mount	A	From Leg	0.00 1.00 0.00	0.0000	98.00
90			0.00		
RRH2X40-AWS	A	From Leg	4.00 0.00	0.0000	90.00
RRH2X40-AWS	B	From Leg	0.00 4.00 0.00	0.0000	90.00
RRH2X40-AWS	C	From Leg	0.00 4.00 0.00	0.0000	90.00
BXA-171063-8BF-2 w/ Mount Pipe	A	From Leg	0.00 4.00 0.00	0.0000	90.00
BXA-171063-8BF-2 w/ Mount Pipe	C	From Leg	0.00 4.00 0.00	0.0000	90.00
BXA-171063-8BF-2 w/ Mount Pipe	B	From Leg	0.00 4.00 0.00	0.0000	90.00
BXA-171063/8CF w/ Mount Pipe	C	From Leg	0.00 4.00 0.00	0.0000	90.00
BXA-171063/8CF w/ Mount Pipe	B	From Leg	0.00 4.00 0.00	0.0000	90.00
BXA-171063/8CF w/ Mount Pipe	A	From Leg	0.00 4.00 0.00	0.0000	90.00
BXA-80063/4CF w/ Mount Pipe	A	From Leg	0.00 4.00 0.00	0.0000	90.00
BXA-80063/4CF w/ Mount Pipe	B	From Leg	0.00 4.00 0.00	0.0000	90.00
BXA-80063/4CF w/ Mount Pipe	C	From Leg	0.00 4.00 0.00	0.0000	90.00
BXA-70063/6CF w/ Mount Pipe	A	From Leg	0.00 4.00 0.00	0.0000	90.00
BXA-70063/6CF w/ Mount Pipe	B	From Leg	0.00 4.00 0.00	0.0000	90.00
			0.00		

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
BXA-70063/6CF w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	90.00
DB-T1-6Z-8AB-0Z	A	From Leg	4.00 0.00 0.00	0.0000	90.00
Platform Mount [LP 303-1]	C	None		0.0000	90.00
80					
LLPX310R w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	80.00
LLPX310R w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	80.00
LLPX310R w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	80.00
HORIZON DUO	A	From Leg	4.00 0.00 3.00	0.0000	80.00
HORIZON DUO	B	From Leg	4.00 0.00 3.00	0.0000	80.00
URAS-FLEXIBLE	A	From Leg	4.00 0.00 0.00	0.0000	80.00
URAS-FLEXIBLE	B	From Leg	4.00 0.00 0.00	0.0000	80.00
URAS-FLEXIBLE	C	From Leg	4.00 0.00 0.00	0.0000	80.00
Side Arm Mount [SO 102-3]	C	None		0.0000	80.00
6' x 2" Mount Pipe	A	From Leg	2.00 0.00 0.00	0.0000	80.00
6' x 2" Mount Pipe	B	From Leg	2.00 0.00 0.00	0.0000	80.00
6' x 2" Mount Pipe	C	From Leg	2.00 0.00 0.00	0.0000	80.00
75 ***					
MX08FRO665-21 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	67.00
MX08FRO665-21 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	67.00
MX08FRO665-21 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	67.00
TA08025-B604	A	From Leg	4.00 0.00 0.00	0.0000	67.00
TA08025-B604	B	From Leg	4.00 0.00 0.00	0.0000	67.00
TA08025-B604	C	From Leg	4.00 0.00 0.00	0.0000	67.00
TA08025-B605	A	From Leg	4.00 0.00 0.00	0.0000	67.00

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft
TA08025-B605	B	From Leg	4.00 0.00 0.00	0.0000	67.00
TA08025-B605	C	From Leg	4.00 0.00 0.00	0.0000	67.00
RDIDC-9181-PF-48	A	From Leg	4.00 0.00 0.00	0.0000	67.00
(2) 8' x 2" Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	67.00
(2) 8' x 2" Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	67.00
(2) 8' x 2" Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	67.00
Commscope MC-PK8-DSH *** ** *	C	None		0.0000	67.00

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft
A-ANT-18G-2-C	A	Paraboloid w/Shroud (HP)	From Leg	2.00 0.00 3.00	0.0000		80.00	2.17
A-ANT-18G-2-C	B	Paraboloid w/Shroud (HP)	From Leg	2.00 0.00 3.00	0.0000		80.00	2.17

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice
3	0.9 Dead+1.0 Wind 0 deg - No Ice
4	1.2 Dead+1.0 Wind 30 deg - No Ice
5	0.9 Dead+1.0 Wind 30 deg - No Ice
6	1.2 Dead+1.0 Wind 60 deg - No Ice
7	0.9 Dead+1.0 Wind 60 deg - No Ice
8	1.2 Dead+1.0 Wind 90 deg - No Ice
9	0.9 Dead+1.0 Wind 90 deg - No Ice
10	1.2 Dead+1.0 Wind 120 deg - No Ice
11	0.9 Dead+1.0 Wind 120 deg - No Ice
12	1.2 Dead+1.0 Wind 150 deg - No Ice
13	0.9 Dead+1.0 Wind 150 deg - No Ice
14	1.2 Dead+1.0 Wind 180 deg - No Ice
15	0.9 Dead+1.0 Wind 180 deg - No Ice

Comb. No.	Description
16	1.2 Dead+1.0 Wind 210 deg - No Ice
17	0.9 Dead+1.0 Wind 210 deg - No Ice
18	1.2 Dead+1.0 Wind 240 deg - No Ice
19	0.9 Dead+1.0 Wind 240 deg - No Ice
20	1.2 Dead+1.0 Wind 270 deg - No Ice
21	0.9 Dead+1.0 Wind 270 deg - No Ice
22	1.2 Dead+1.0 Wind 300 deg - No Ice
23	0.9 Dead+1.0 Wind 300 deg - No Ice
24	1.2 Dead+1.0 Wind 330 deg - No Ice
25	0.9 Dead+1.0 Wind 330 deg - No Ice
26	1.2 Dead+1.0 Ice+1.0 Temp
27	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp
28	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp
29	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp
30	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp
31	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp
32	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp
33	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp
34	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp
35	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp
36	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp
37	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp
38	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp
39	Dead+Wind 0 deg - Service
40	Dead+Wind 30 deg - Service
41	Dead+Wind 60 deg - Service
42	Dead+Wind 90 deg - Service
43	Dead+Wind 120 deg - Service
44	Dead+Wind 150 deg - Service
45	Dead+Wind 180 deg - Service
46	Dead+Wind 210 deg - Service
47	Dead+Wind 240 deg - Service
48	Dead+Wind 270 deg - Service
49	Dead+Wind 300 deg - Service
50	Dead+Wind 330 deg - Service

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	102 - 86.58	Pole	Max Tension	27	0.00	-0.00	-0.00
			Max. Compression	26	-13.83	-0.40	1.88
			Max. Mx	8	-5.27	-44.72	0.62
			Max. My	2	-5.26	-0.09	45.48
			Max. Vy	20	-6.42	44.54	0.63
			Max. Vx	2	-6.45	-0.09	45.48
			Max. Torque	9			0.85
L2	86.58 - 42.7433	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-42.87	-0.91	3.58
			Max. Mx	20	-20.86	598.11	3.95
			Max. My	2	-20.85	3.35	605.79
			Max. Vy	20	-17.28	598.11	3.95
			Max. Vx	14	17.48	-2.52	-604.74
			Max. Torque	21			-1.77
L3	42.7433 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-64.64	-0.91	2.63
			Max. Mx	20	-36.43	1576.25	7.98
			Max. My	14	-36.43	-5.82	-1592.98
			Max. Vy	20	-22.36	1576.25	7.98
			Max. Vx	14	22.56	-5.82	-1592.98
			Max. Torque	21			-1.77

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	26	64.64	0.00	0.00
	Max. H_x	21	27.33	22.35	0.08
	Max. H_z	2	36.44	0.10	22.52
	Max. M_x	2	1592.11	0.10	22.52
	Max. M_z	8	1573.38	-22.31	-0.04
	Max. Torsion	9	1.76	-22.31	-0.04
	Min. Vert	7	27.33	-19.31	11.23
	Min. H_x	8	36.44	-22.31	-0.04
	Min. H_z	14	36.44	-0.07	-22.55
	Min. M_x	14	-1592.98	-0.07	-22.55
	Min. M_z	20	-1576.25	22.35	0.08
	Min. Torsion	21	-1.77	22.35	0.08

Tower Mast Reaction Summary

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
Dead Only	30.36	0.00	0.00	-0.69	-0.20	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	36.44	-0.10	-22.52	-1592.11	8.55	0.35
0.9 Dead+1.0 Wind 0 deg - No Ice	27.33	-0.10	-22.52	-1587.53	8.58	0.35
1.2 Dead+1.0 Wind 30 deg - No Ice	36.44	11.12	-19.48	-1377.18	-784.09	-0.36
0.9 Dead+1.0 Wind 30 deg - No Ice	27.33	11.12	-19.48	-1373.19	-781.87	-0.36
1.2 Dead+1.0 Wind 60 deg - No Ice	36.44	19.31	-11.23	-794.01	-1361.66	-1.22
0.9 Dead+1.0 Wind 60 deg - No Ice	27.33	19.31	-11.23	-791.62	-1357.86	-1.22
1.2 Dead+1.0 Wind 90 deg - No Ice	36.44	22.31	0.04	2.30	-1573.38	-1.76
0.9 Dead+1.0 Wind 90 deg - No Ice	27.33	22.31	0.04	2.51	-1569.00	-1.76
1.2 Dead+1.0 Wind 120 deg - No Ice	36.44	19.31	11.35	802.40	-1361.54	-1.57
0.9 Dead+1.0 Wind 120 deg - No Ice	27.33	19.31	11.35	800.41	-1357.74	-1.57
1.2 Dead+1.0 Wind 150 deg - No Ice	36.44	11.19	19.55	1381.08	-789.76	-1.11
0.9 Dead+1.0 Wind 150 deg - No Ice	27.33	11.19	19.55	1377.50	-787.53	-1.11
1.2 Dead+1.0 Wind 180 deg - No Ice	36.44	0.07	22.55	1592.98	-5.82	-0.43
0.9 Dead+1.0 Wind 180 deg - No Ice	27.33	0.07	22.55	1588.82	-5.75	-0.43
1.2 Dead+1.0 Wind 210 deg - No Ice	36.44	-11.10	19.54	1380.39	781.83	0.35
0.9 Dead+1.0 Wind 210 deg - No Ice	27.33	-11.10	19.54	1376.82	779.75	0.35
1.2 Dead+1.0 Wind 240 deg - No Ice	36.44	-19.33	11.24	793.08	1362.48	1.22
0.9 Dead+1.0 Wind 240 deg - No Ice	27.33	-19.33	11.24	791.11	1358.81	1.22
1.2 Dead+1.0 Wind 270 deg - No Ice	36.44	-22.35	-0.08	-7.98	1576.25	1.77
0.9 Dead+1.0 Wind 270 deg - No Ice	27.33	-22.35	-0.08	-7.74	1571.99	1.77
1.2 Dead+1.0 Wind 300 deg - No Ice	36.44	-19.36	-11.33	-802.59	1364.87	1.65
0.9 Dead+1.0 Wind 300 deg	27.33	-19.36	-11.33	-800.17	1361.19	1.65

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
- No Ice 1.2 Dead+1.0 Wind 330 deg	36.44	-11.21	-19.54	-1381.75	791.05	1.11
- No Ice 0.9 Dead+1.0 Wind 330 deg	27.33	-11.21	-19.54	-1377.74	788.94	1.11
- No Ice 1.2 Dead+1.0 Ice+1.0 Temp	64.64	0.00	0.00	-2.63	-0.91	0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	64.64	-0.02	-7.13	-500.83	0.96	-0.13
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	64.64	3.53	-6.17	-433.76	-247.32	-0.40
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	64.64	6.13	-3.56	-251.32	-428.43	-0.63
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	64.64	7.08	0.01	-2.13	-494.75	-0.69
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	64.64	6.13	3.58	247.97	-428.28	-0.50
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	64.64	3.55	6.18	429.46	-248.42	-0.22
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	64.64	0.01	7.14	495.96	-2.11	0.11
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	64.64	-3.53	6.18	429.42	245.03	0.40
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	64.64	-6.13	3.56	246.03	426.85	0.63
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	64.64	-7.09	-0.02	-4.26	493.64	0.69
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	64.64	-6.14	-3.58	-253.09	427.28	0.52
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	64.64	-3.55	-6.18	-434.69	246.95	0.22
Dead+Wind 0 deg - Service	30.36	-0.03	-5.39	-381.30	1.90	0.09
Dead+Wind 30 deg - Service	30.36	2.66	-4.67	-329.90	-187.69	-0.08
Dead+Wind 60 deg - Service	30.36	4.63	-2.69	-190.41	-325.83	-0.29
Dead+Wind 90 deg - Service	30.36	5.35	0.01	0.05	-376.47	-0.42
Dead+Wind 120 deg - Service	30.36	4.63	2.72	191.42	-325.80	-0.38
Dead+Wind 150 deg - Service	30.36	2.68	4.68	329.83	-189.04	-0.27
Dead+Wind 180 deg - Service	30.36	0.02	5.40	380.51	-1.54	-0.11
Dead+Wind 210 deg - Service	30.36	-2.66	4.68	329.66	186.86	0.08
Dead+Wind 240 deg - Service	30.36	-4.63	2.69	189.19	325.74	0.29
Dead+Wind 270 deg - Service	30.36	-5.35	-0.02	-2.41	376.87	0.43
Dead+Wind 300 deg - Service	30.36	-4.64	-2.71	-192.46	326.31	0.40
Dead+Wind 330 deg - Service	30.36	-2.69	-4.68	-330.99	189.06	0.27

Solution Summary

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX K	PY K	PZ K	PX K	PY K	PZ K	% Error
1	0.00	-30.36	0.00	0.00	30.36	0.00	0.000%
2	-0.10	-36.44	-22.52	0.10	36.44	22.52	0.000%
3	-0.10	-27.33	-22.52	0.10	27.33	22.52	0.000%
4	11.12	-36.44	-19.48	-11.12	36.44	19.48	0.000%
5	11.12	-27.33	-19.48	-11.12	27.33	19.48	0.000%
6	19.31	-36.44	-11.23	-19.31	36.44	11.23	0.000%
7	19.31	-27.33	-11.23	-19.31	27.33	11.23	0.000%
8	22.31	-36.44	0.04	-22.31	36.44	-0.04	0.000%
9	22.31	-27.33	0.04	-22.31	27.33	-0.04	0.000%
10	19.31	-36.44	11.35	-19.31	36.44	-11.35	0.000%

Load Comb.	Sum of Applied Forces PX K	PY K	PZ K	Sum of Reactions PX K	PY K	PZ K	% Error
11	19.31	-27.33	11.35	-19.31	27.33	-11.35	0.000%
12	11.19	-36.44	19.55	-11.19	36.44	-19.55	0.000%
13	11.19	-27.33	19.55	-11.19	27.33	-19.55	0.000%
14	0.07	-36.44	22.55	-0.07	36.44	-22.55	0.000%
15	0.07	-27.33	22.55	-0.07	27.33	-22.55	0.000%
16	-11.10	-36.44	19.54	11.10	36.44	-19.54	0.000%
17	-11.10	-27.33	19.54	11.10	27.33	-19.54	0.000%
18	-19.33	-36.44	11.24	19.33	36.44	-11.24	0.000%
19	-19.33	-27.33	11.24	19.33	27.33	-11.24	0.000%
20	-22.35	-36.44	-0.08	22.35	36.44	0.08	0.000%
21	-22.35	-27.33	-0.08	22.35	27.33	0.08	0.000%
22	-19.36	-36.44	-11.33	19.36	36.44	11.33	0.000%
23	-19.36	-27.33	-11.33	19.36	27.33	11.33	0.000%
24	-11.21	-36.44	-19.54	11.21	36.44	19.54	0.000%
25	-11.21	-27.33	-19.54	11.21	27.33	19.54	0.000%
26	0.00	-64.64	0.00	0.00	64.64	0.00	0.000%
27	-0.02	-64.64	-7.13	0.02	64.64	7.13	0.000%
28	3.53	-64.64	-6.17	-3.53	64.64	6.17	0.000%
29	6.13	-64.64	-3.56	-6.13	64.64	3.56	0.000%
30	7.08	-64.64	0.01	-7.08	64.64	-0.01	0.000%
31	6.13	-64.64	3.58	-6.13	64.64	-3.58	0.000%
32	3.55	-64.64	6.18	-3.55	64.64	-6.18	0.000%
33	0.01	-64.64	7.14	-0.01	64.64	-7.14	0.000%
34	-3.53	-64.64	6.18	3.53	64.64	-6.18	0.000%
35	-6.13	-64.64	3.56	6.13	64.64	-3.56	0.000%
36	-7.09	-64.64	-0.02	7.09	64.64	0.02	0.000%
37	-6.14	-64.64	-3.58	6.14	64.64	3.58	0.000%
38	-3.55	-64.64	-6.18	3.55	64.64	6.18	0.000%
39	-0.03	-30.36	-5.39	0.03	30.36	5.39	0.000%
40	2.66	-30.36	-4.67	-2.66	30.36	4.67	0.000%
41	4.63	-30.36	-2.69	-4.63	30.36	2.69	0.000%
42	5.35	-30.36	0.01	-5.35	30.36	-0.01	0.000%
43	4.63	-30.36	2.72	-4.63	30.36	-2.72	0.000%
44	2.68	-30.36	4.68	-2.68	30.36	-4.68	0.000%
45	0.02	-30.36	5.40	-0.02	30.36	-5.40	0.000%
46	-2.66	-30.36	4.68	2.66	30.36	-4.68	0.000%
47	-4.63	-30.36	2.69	4.63	30.36	-2.69	0.000%
48	-5.35	-30.36	-0.02	5.35	30.36	0.02	0.000%
49	-4.64	-30.36	-2.71	4.64	30.36	2.71	0.000%
50	-2.69	-30.36	-4.68	2.69	30.36	4.68	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	4	0.00000001	0.00000773
3	Yes	4	0.00000001	0.00000478
4	Yes	4	0.00000001	0.00006624
5	Yes	4	0.00000001	0.00004312
6	Yes	4	0.00000001	0.00008614
7	Yes	4	0.00000001	0.00005657
8	Yes	4	0.00000001	0.00003810
9	Yes	4	0.00000001	0.00002528
10	Yes	4	0.00000001	0.00006230
11	Yes	4	0.00000001	0.00004064
12	Yes	4	0.00000001	0.00008502
13	Yes	4	0.00000001	0.00005581
14	Yes	4	0.00000001	0.00001034
15	Yes	4	0.00000001	0.00000661
16	Yes	4	0.00000001	0.00007424
17	Yes	4	0.00000001	0.00004859
18	Yes	4	0.00000001	0.00006142
19	Yes	4	0.00000001	0.00004005
20	Yes	4	0.00000001	0.00003932

21	Yes	4	0.00000001	0.00002609
22	Yes	4	0.00000001	0.00009336
23	Yes	4	0.00000001	0.00006140
24	Yes	4	0.00000001	0.00006287
25	Yes	4	0.00000001	0.00004086
26	Yes	4	0.00000001	0.00000001
27	Yes	4	0.00000001	0.00018896
28	Yes	4	0.00000001	0.00019325
29	Yes	4	0.00000001	0.00019251
30	Yes	4	0.00000001	0.00018585
31	Yes	4	0.00000001	0.00018909
32	Yes	4	0.00000001	0.00018903
33	Yes	4	0.00000001	0.00018387
34	Yes	4	0.00000001	0.00018806
35	Yes	4	0.00000001	0.00018766
36	Yes	4	0.00000001	0.00018472
37	Yes	4	0.00000001	0.00019160
38	Yes	4	0.00000001	0.00019293
39	Yes	4	0.00000001	0.00000001
40	Yes	4	0.00000001	0.00000001
41	Yes	4	0.00000001	0.00000001
42	Yes	4	0.00000001	0.00000001
43	Yes	4	0.00000001	0.00000001
44	Yes	4	0.00000001	0.00000001
45	Yes	4	0.00000001	0.00000001
46	Yes	4	0.00000001	0.00000001
47	Yes	4	0.00000001	0.00000001
48	Yes	4	0.00000001	0.00000001
49	Yes	4	0.00000001	0.00000001
50	Yes	4	0.00000001	0.00000001

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	102 - 86.58	3.244	39	0.2448	0.0011
L2	91.4133 - 42.7433	2.703	39	0.2419	0.0010
L3	49.2433 - 0	0.864	39	0.1565	0.0003

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
102.00	Lighting Rod 5/8" x 4'	39	3.244	0.2448	0.0011	268455
98.00	7770.00 w/ Mount Pipe	39	3.039	0.2443	0.0011	268455
90.00	RRH2X40-AWS	39	2.631	0.2409	0.0010	98324
83.00	A-ANT-18G-2-C	39	2.280	0.2337	0.0009	49578
80.00	LLPX310R w/ Mount Pipe	39	2.133	0.2294	0.0008	40733
67.00	MX08FRO665-21 w/ Mount Pipe	39	1.533	0.2038	0.0006	22973

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	102 - 86.58	13.521	2	1.0184	0.0046
L2	91.4133 -	11.269	2	1.0067	0.0041

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L3	42.7433 49.2433 - 0	3.606	14	0.6531	0.0014

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
102.00	Lighting Rod 5/8" x 4'	2	13.521	1.0184	0.0046	68246
98.00	7770.00 w/ Mount Pipe	2	12.668	1.0163	0.0044	68246
90.00	RRH2X40-AWS	2	10.971	1.0029	0.0040	24588
83.00	A-ANT-18G-2-C	2	9.511	0.9731	0.0036	12109
80.00	LLPX310R w/ Mount Pipe	2	8.899	0.9554	0.0034	9904
67.00	MX08FRO665-21 w/ Mount Pipe	2	6.398	0.8498	0.0025	5535

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L1	102 - 86.58 (1)	TP34.3925x29.58x0.3125	15.42	0.00	0.0	32.3069	-5.26	1889.95	0.003
L2	86.58 - 42.7433 (2)	TP47.4475x32.2591x0.375	48.67	0.00	0.0	53.6137	-20.85	3136.40	0.007
L3	42.7433 - 0 (3)	TP60x44.669x0.375	49.24	0.00	0.0	70.9687	-36.43	4151.67	0.009

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	102 - 86.58 (1)	TP34.3925x29.58x0.3125	45.48	1567.97	0.029	0.00	1567.97	0.000
L2	86.58 - 42.7433 (2)	TP47.4475x32.2591x0.375	605.80	3456.07	0.175	0.00	3456.07	0.000
L3	42.7433 - 0 (3)	TP60x44.669x0.375	1592.99	5436.67	0.293	0.00	5436.67	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	102 - 86.58 (1)	TP34.3925x29.58x0.3125	6.45	566.99	0.011	0.10	1617.30	0.000
L2	86.58 - 42.7433 (2)	TP47.4475x32.2591x0.375	17.45	940.92	0.019	0.35	3711.68	0.000

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L3	42.7433 - 0 (3)	TP60x44.669x0.375	22.56	1245.50	0.018	0.43	6503.57	0.000

Pole Interaction Design Data

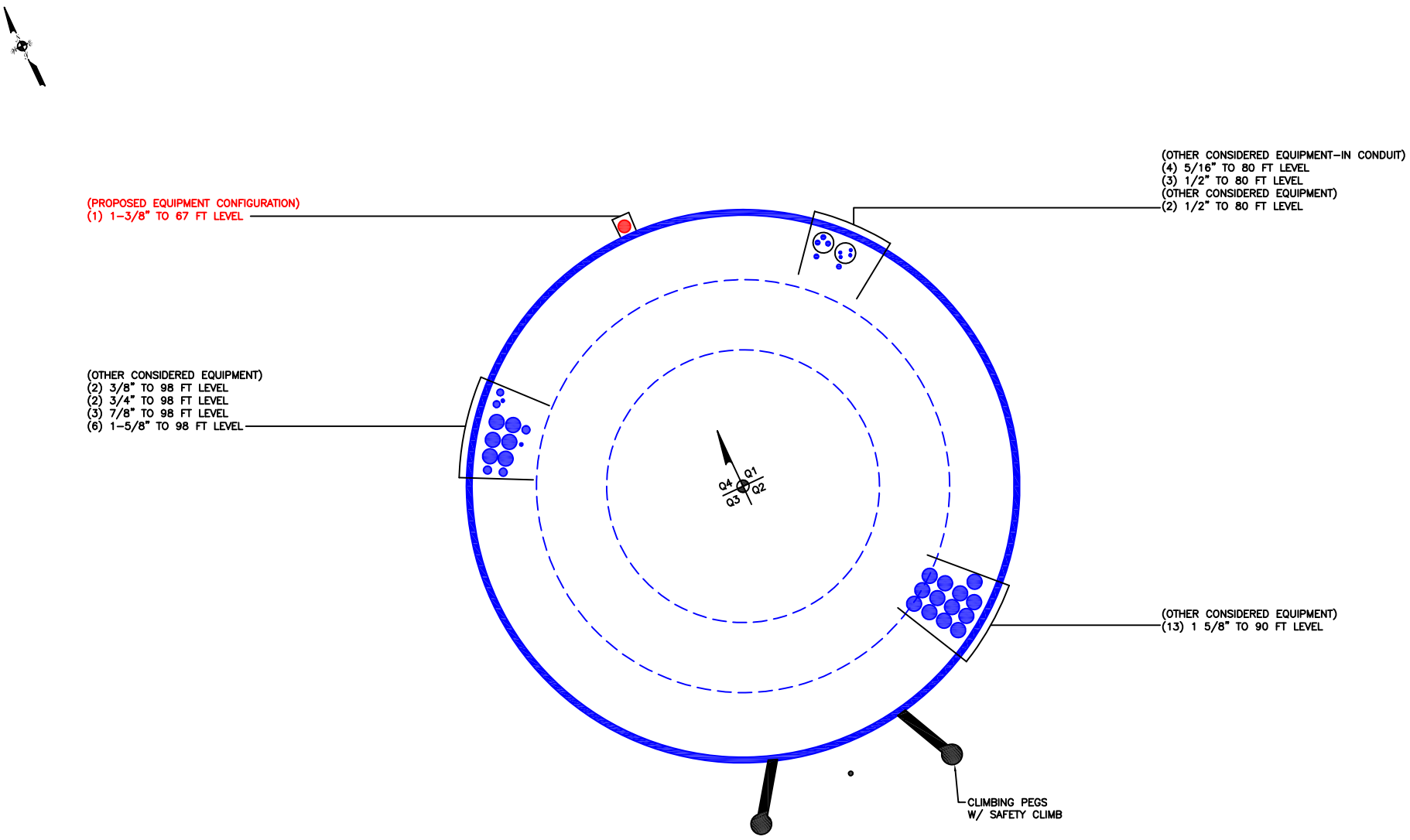
Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	102 - 86.58 (1)	0.003	0.029	0.000	0.011	0.000	0.032	1.050	4.8.2
L2	86.58 - 42.7433 (2)	0.007	0.175	0.000	0.019	0.000	0.182	1.050	4.8.2
L3	42.7433 - 0 (3)	0.009	0.293	0.000	0.018	0.000	0.302	1.050	4.8.2

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	102 - 86.58	Pole	TP34.3925x29.58x0.3125	1	-5.26	1984.45	3.0	Pass
L2	86.58 - 42.7433	Pole	TP47.4475x32.2591x0.375	2	-20.85	3293.22	17.4	Pass
L3	42.7433 - 0	Pole	TP60x44.669x0.375	3	-36.43	4359.25	28.8	Pass
							Summary	
						Pole (L3)	28.8	Pass
						RATING =	**28.8**	**Pass**

APPENDIX B

BASE LEVEL DRAWING


(PROPOSED EQUIPMENT CONFIGURATION)
(1) 1-3/8" TO 67 FT LEVEL
(OTHER CONSIDERED EQUIPMENT-IN CONDUIT)
(4) 5/16" TO 80 FT LEVEL
(3) 1/2" TO 80 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(2) 1/2" TO 80 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(2) 3/8" TO 98 FT LEVEL
(2) 3/4" TO 98 FT LEVEL
(3) 7/8" TO 98 FT LEVEL
(6) 1-5/8" TO 98 FT LEVEL
Q1
Q2
Q3
Q4
(OTHER CONSIDERED EQUIPMENT)
(13) 1 5/8" TO 90 FT LEVEL
CLIMBING PEGS
W/ SAFETY CLIMB

APPENDIX C

ADDITIONAL CALCULATIONS

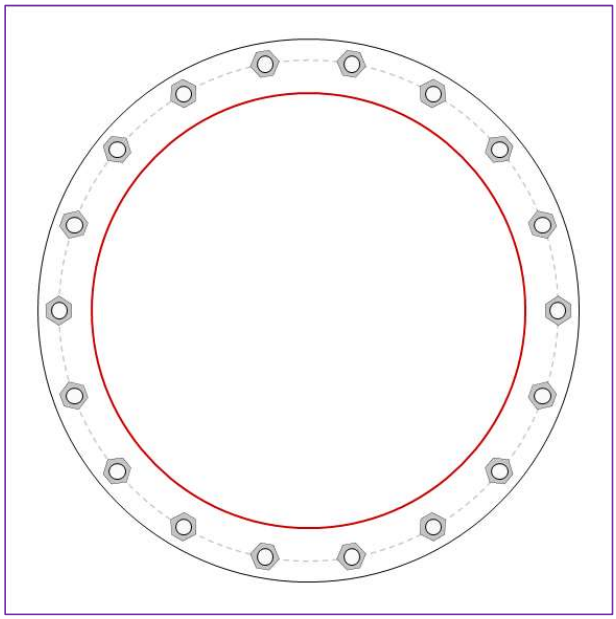
Monopole Base Plate Connection

Site Info	
BU #	842879
Site Name	ODBRIDGE COUNTRY C
Order #	553376, Rev 1

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{ar} (in)	2

Applied Loads	
Moment (kip-ft)	1592.99
Axial Force (kips)	36.43
Shear Force (kips)	22.56

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

(18) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 69" BC

Base Plate Data

75" OD x 2" Plate (A572-60; Fy=60 ksi, Fu=75 ksi)

Stiffener Data

N/A

Pole Data

60" x 0.375" 18-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

Anchor Rod Summary *(units of kips, kip-in)*

Pu_t = 59.51	ϕPn_t = 243.75	**Stress Rating**
Vu = 1.25	ϕVn = 149.1	**23.3%**
Mu = n/a	ϕMn = n/a	**Pass**

Base Plate Summary

Max Stress (ksi):	16.89	(Flexural)
Allowable Stress (ksi):	54	
Stress Rating:	**29.8%**	**Pass**

Pier and Pad Foundation

BU # :	842879
Site Name:	WOODBRIDGE CC
App. Number:	553376, Rev 1

TIA-222 Revision:	H
Tower Type:	Monopole

Top & Bot. Pad Rein. Different?:	☑
Block Foundation?:	☐
Rectangular Pad?:	☐

Superstructure Analysis Reactions		
Compression, P_{comp}:	36.44	kips
Base Shear, Vu_comp:	22.55	kips
Moment, M_u:	1592.99	ft-kips
Tower Height, **H**:	102	ft
BP Dist. Above Fdn, bp_{dist}:	4	in

Pier Properties		
Pier Shape:	Square	
Pier Diameter, **dpier**:	7.5	ft
Ext. Above Grade, **E**:	1	ft
Pier Rebar Size, **Sc**:	8	
Pier Rebar Quantity, **mc**:	40	
Pier Tie/Spiral Size, **St**:	4	
Pier Tie/Spiral Quantity, **mt**:	4	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier}:	5	in

Pad Properties		
Depth, **D**:	5	ft
Pad Width, W_1:	27.5	ft
Pad Thickness, **T**:	3	ft
Pad Rebar Size (Top dir.2), Sp_{top2}:	8	
Pad Rebar Quantity (Top dir. 2), mp_{top2}:	24	
Pad Rebar Size (Bottom dir. 2), Sp_2:	8	
Pad Rebar Quantity (Bottom dir. 2), mp_2:	36	
Pad Clear Cover, cc_{pad}:	3	in

Material Properties		
Rebar Grade, **Fy**:	60	ksi
Concrete Compressive Strength, **F'c**:	4	ksi
Dry Concrete Density, δc:	150	pcf

Soil Properties		
Total Soil Unit Weight, γ:	110	pcf
Ultimate Gross Bearing, Qult:	8.000	ksf
Cohesion, **Cu**:	0.000	ksf
Friction Angle, φ:	30	degrees
SPT Blow Count, N_{blows}:	60	
Base Friction, μ:		
Neglected Depth, **N**:	3.50	ft
Foundation Bearing on Rock?	Yes	
Groundwater Depth, **gw**:	n/a	ft

<--Toggle between Gross and Net

Foundation Analysis Checks				
	Capacity	**Demand**	**Rating***	**Check**
Lateral (Sliding) (kips)	178.51	22.55	**12.0%**	**Pass**
Bearing Pressure (ksf)	6.00	1.58	**25.1%**	**Pass**
*Overturning (kip*ft)*	5828.12	1735.81	**29.8%**	**Pass**
*Pier Flexure (Comp.) (kip*ft)*	5516.01	1660.64	**28.7%**	**Pass**
Pier Compression (kip)	35802.00	66.82	**0.2%**	**Pass**
*Pad Flexure (kip*ft)*	3934.05	616.14	**14.9%**	**Pass**
Pad Shear - 1-way (kips)	986.16	88.26	**8.5%**	**Pass**
Pad Shear - 2-way (Comp) (ksi)	0.190	0.017	**8.3%**	**Pass**
*Flexural 2-way (Comp) (kip*ft)*	3898.96	996.38	**24.3%**	**Pass**

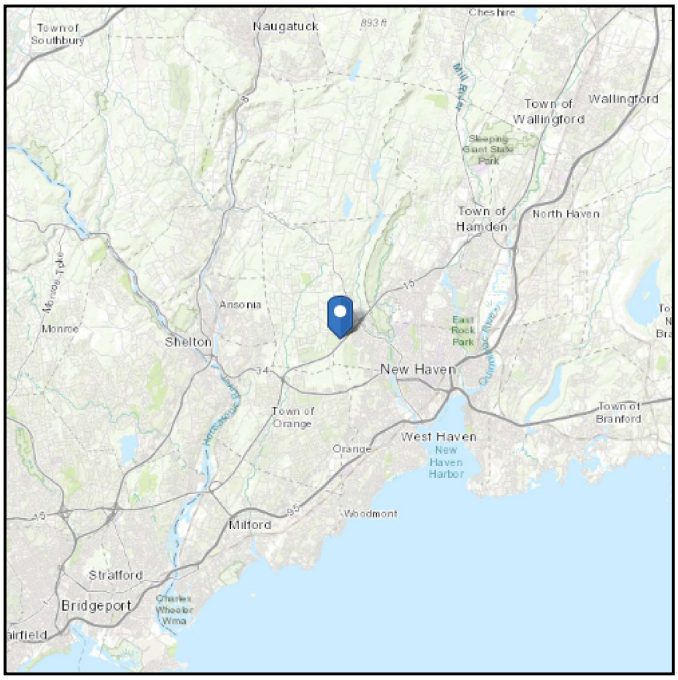
**Rating per TIA-222-H Section 15.5*

Structural Rating*:	**28.7%**
Soil Rating*:	**29.8%**

ASCE 7 Hazards Report

Address:
No Address at This Location

Standard:	ASCE/SEI 7-16	**Elevation:**	360.98 ft (NAVD 88)
Risk Category:	II	**Latitude:**	41.327639
Soil Class:	D - Default (see Section 11.4.3)	**Longitude:**	-72.993567



Wind

Results:

Wind Speed:	119 Vmph
10-year MRI	75 Vmph
25-year MRI	85 Vmph
50-year MRI	90 Vmph
100-year MRI	98 Vmph

Data Source:	ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed:	Fri Sep 10 2021

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-16 Standard. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 700 years).

Site is in a hurricane-prone region as defined in ASCE/SEI 7-16 Section 26.2. Glazed openings need not be protected against wind-borne debris.

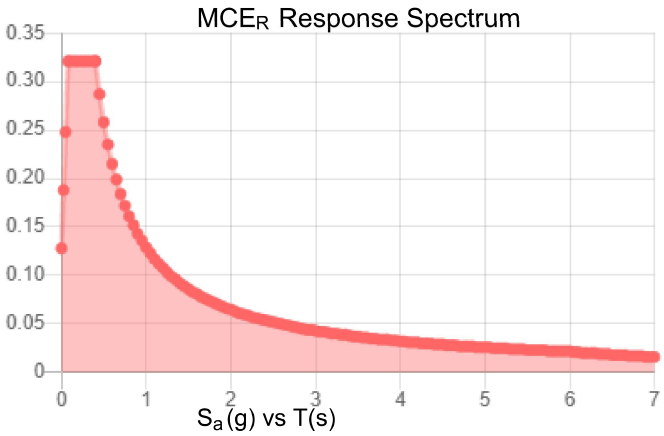
Seismic

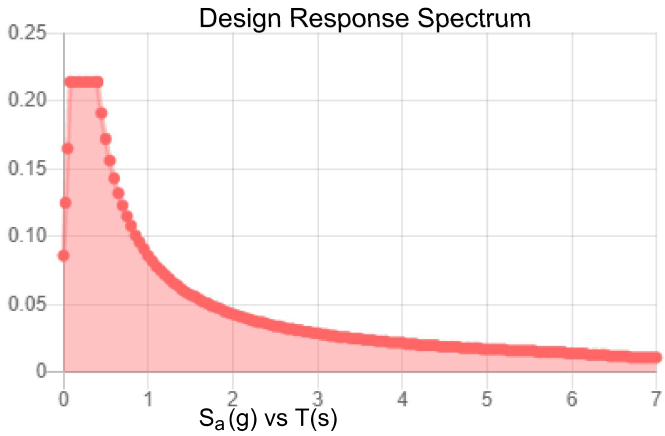
Site Soil Class: D - Default (see Section 11.4.3)

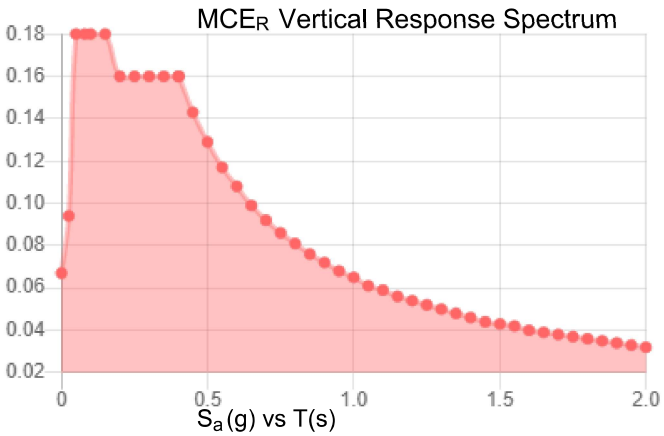
Results:

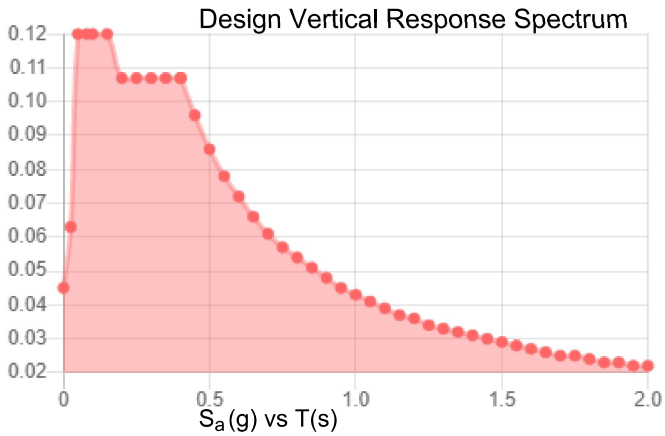
S_S :	0.2	S_{D1} :	0.086
S_1 :	0.054	T_L :	6
F_a :	1.6	PGA :	0.112
F_v :	2.4	PGA_M :	0.177
S_{MS} :	0.321	F_{PGA} :	1.576
S_{M1} :	0.129	I_e :	1
S_{DS} :	0.214	C_v :	0.701

Seismic Design Category B









Data Accessed: Fri Sep 10 2021

Date Source: USGS Seismic Design Maps based on ASCE/SEI 7-16 and ASCE/SEI 7-16 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-16 Ch. 21 are available from USGS.

Ice

Results:

Ice Thickness:	1.00 in.
Concurrent Temperature:	15 F
Gust Speed:	50 mph
Data Source:	Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8
Date Accessed:	Fri Sep 10 2021

Ice thicknesses on structures in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

Values provided are equivalent radial ice thicknesses due to freezing rain with concurrent 3-second gust speeds, for a 500-year mean recurrence interval, and temperatures concurrent with ice thicknesses due to freezing rain. Thicknesses for ice accretions caused by other sources shall be obtained from local meteorological studies. Ice thicknesses in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

Exhibit E

Mount Analysis

Date: **September 13, 2021**

Jacob Montoya
Crown Castle
2055 S. Stearman Drive
Chandler, AZ 85286
(480) 298-9641

POD Group
1033 E Turkeyfoot Lake Rd. Suite 206
Akron, OH 44312
(330) 961.7432
aherkenhoff@podgrp.com

Subject:	**Mount Analysis Report**	
Carrier Designation:	**DISH Network**	
	Carrier Site Number:	**BOHVN00158A**
	Carrier Site Name:	**CT-CCI-T-842879**
Crown Castle Designation:	**Crown Castle BU Number:**	**842879**
	Crown Castle Site Name:	**WOODBRIDGE COUNTRY CLUB**
	Crown Castle JDE Job Number:	**645146**
	Crown Castle Order Number:	**553376 Rev 1**
Engineering Firm Designation:	**POD Report Designation:**	**21-108459**
Site Data:	**50 WOODFIELD ROAD, Woodbridge, New Haven County, CT 06525** **Latitude 41° 19' 39.50" Longitude -72° 59' 36.84"**	
Structure Information:	**Tower Height & Type:**	**102 ft Monopole**
	Mount Elevation:	**67 ft**
	Mount Type:	**8' Platform with Support Rails**

Dear Jacob Montoya,

POD Group is pleased to submit this "Mount Analysis Report" to determine the structural integrity of DISH Network's antenna mounting system with the proposed appurtenance and equipment addition on the abovementioned supporting tower structure. Analysis of the existing supporting tower structure is to be completed by others and therefore is not part of this analysis. Analysis of the antenna mounting system as a tie-off point for fall protection or rigging is not part of this document.

The purpose of the analysis is to determine acceptability of the mount stress level. Based on our analysis we have determined the mount stress level to be:

8' Platform with Support Rails (Multiple Sector) Sufficient*
***The mount has sufficient capacity once the loading changes, as described in Section 4.1 Recommendations of this report, are completed.**

This analysis utilizes an ultimate 3-second gust wind speed of 119 mph as required by the 2015 International Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria."

Mount structural analysis prepared by: Derrick Baird

Respectfully submitted by:

Jason Cheronis, PE
Connecticut PE#: 0032793

STATE OF CONNECTICUT
JASON CHERONIS
PEN.0032793
LICENSED
PROFESSIONAL ENGINEER

Jason Cheronis
Digitally signed by Jason Cheronis
Date: 2021.09.13 14:18:08 -04'00'

TABLE OF CONTENTS

1) INTRODUCTION

This mount is a proposed 8' Platform with Support Rails designed by Commscope, P/N: MC-PK8-DSH. This mount is to be installed at the 67 ft elevation on the 102 ft Monopole.

2) ANALYSIS CRITERIA

Building Code: 2015 IBC
TIA-222 Revision: TIA-222-H
Risk Category: II
Ultimate Wind Speed: 119 mph
Exposure Category: C
Topographic Factor at Base: 1.00
Topographic Factor at Mount: 1.00
Ice Thickness: 1.00 in
Wind Speed with Ice: 50 mph
Seismic S_s: 0.190
Seismic S_1: 0.063
Live Loading Wind Speed: 30 mph
Man Live Load at Mid/End-Points: 250 lb
Man Live Load at Mount Pipes: 500 lb

Table 1 - Proposed Equipment Configuration

Mount Centerline (ft)	Antenna Centerline (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Mount / Modification Details	Note
67	67	3	JMA WIRELESS	MX08FRO665-21	8' Platform with Support Rails	-
		3	FUJITSU	TA08025-B604		
		3	FUJITSU	TA08025-B605		
		1	RAYCAP	RDIDC-9181-PF-48		

3) ANALYSIS PROCEDURE

Table 2 - Documents Provided

Document	Remarks	Reference	Source
Crown Application	-	Crown Castle App #: 553376 Rev 1 Dated: 04/28/2021	Crown Castle
Structural Analysis	-	Crown Castle Report #: 1832576 Dated: 03/05/2020	Crown Castle
Topo and Exposure Documentations	-	Crown Castle Site #: 842879 Dated: 11/02/2015	Crown Castle
Proposed Base Levels Drawings	-	Crown Castle Sheet #: A1-67 Dated: 07/08/2021	Crown Castle
Mount Specification Sheets	-	Commscope Part #: MC-PK8-DSH Dated: 03/17/2021	Commscope

3.1) Analysis Method

RISA-3D (Version 17.0.4), a commercially available analysis software package, was used to create a three-dimensional model of the antenna mounting system and calculate member stresses for various loading cases. Selected output from the analysis are included in the Appendices.

A tool internally developed, using Microsoft Excel, by POD Group, was used to calculate wind loading on all appurtenances, dishes, and mount members for various load cases. Selected output from the calculations is included in Appendix B.

This analysis was performed in accordance with Crown Castle's ENG-SOW-10208 Tower Mount Analysis (Revision B).

3.2) Assumptions

1) The antenna mounting system was properly fabricated, installed, and maintained in good condition in accordance with its original design, TIA Standards, and/or manufacturer's specifications. This is not a condition assessment of the mount, structure, or foundation.
2) The configuration of antennas, mounts, and other appurtenances are as specified in Table 1 and the referenced drawings.
3) All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.
4) The weight of the mount was increased 10% in the analysis to account for connections, coax, and jumpers.
5) The purpose of this report is to assess the feasibility of adding appurtenances usually accompanied by transmission lines to the structure. POD Group does not analyze the fabrication of the mount or structure (including welding).
6) The analysis will be required to be revised if the existing conditions in the field differ from those shown in the above-referenced documents or assumed in this analysis. No allowance was made for any damaged, missing, or rusted members.
7) Steel grades have been used as follows, unless noted otherwise:
    a. Angles, Plates, Channels — ASTM A529 (GR 50)
    b. Plates — ASTM A1011 (GR 36)
    c. HSS (Rectangular), Pipes — ASTM 500 (GR C)
    d. Connection Bolts — ASTM A325

If any of these assumptions are not valid or have been made in error, this analysis may be affected, and POD Group should be allowed to review any new information to determine its effect on the structural integrity of the mount.

4) ANALYSIS RESULTS

Table 3 - Mount Component Stresses vs. Capacity (8' Platform with Support Rails)

Notes	Component	Critical Member	Centerline (ft)	% Capacity	Pass / Fail
1	Plate	PL6	67	43.9	Pass
	Rail	RAIL1		8.8	Pass
	Connection	CR2		7.5	Pass
	Standoff	SO2		6.0	Pass
	Face	FACE1		4.3	Pass
	Mount Pipe	MP GAMMA2		3.5	Pass
	Angle	ANGLE4		1.5	Pass
	Standoff Flange Plate Bolts	-		3.1	Pass
	Standoff Flange Plate	-		26.9	Pass

Structure Rating (max from all components) =	43.9%

Notes:
1) See additional documentation in "Appendix C – Software Analysis Output" and "Appendix D – Additional Calculations" for calculations supporting the % capacity

4.1) Recommendations

The mount has sufficient capacity to carry the proposed loading configuration. In order for the results of the analysis to be considered valid, the loading modification listed below must be completed.

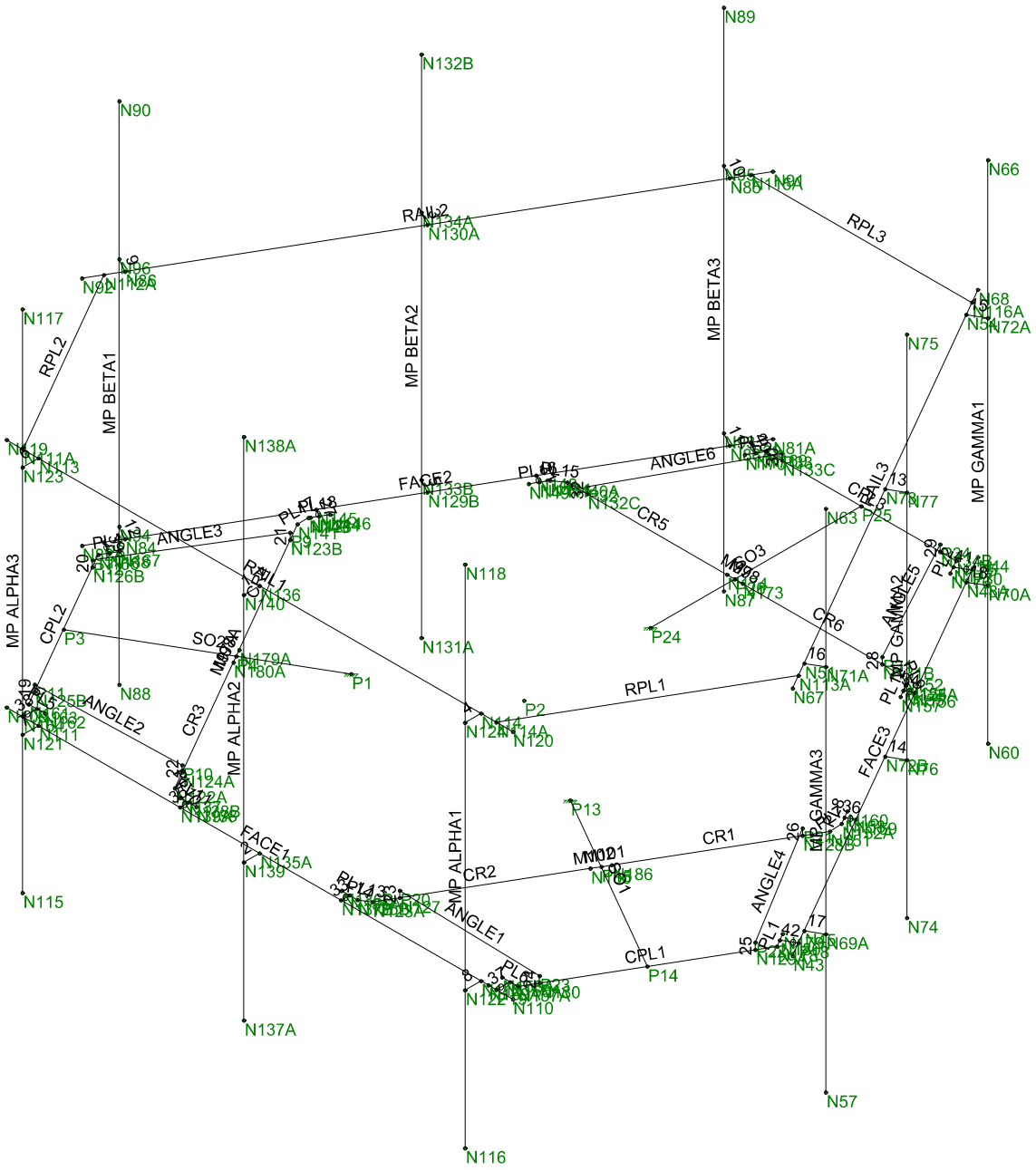
1. The proposed mount by Commscope, P/N: MC-PK8-DSH, is to be installed per manufacturer specifications, centered at 67 ft.

- All critical measurements and manufacturer specifications for the above specified modification part shall be field verified prior to material ordering.
- The contractor shall provide shop drawings to POD Group prior to material ordering and/or fabrication of the above specified modification part.
- Any substitutes, additions, or alterations shall be approved by POD Group prior to material ordering and/or fabrication.

If any of these guidelines are not met, POD Group shall not be held liable.

APPENDIX A

Wire Frame and Rendered Models



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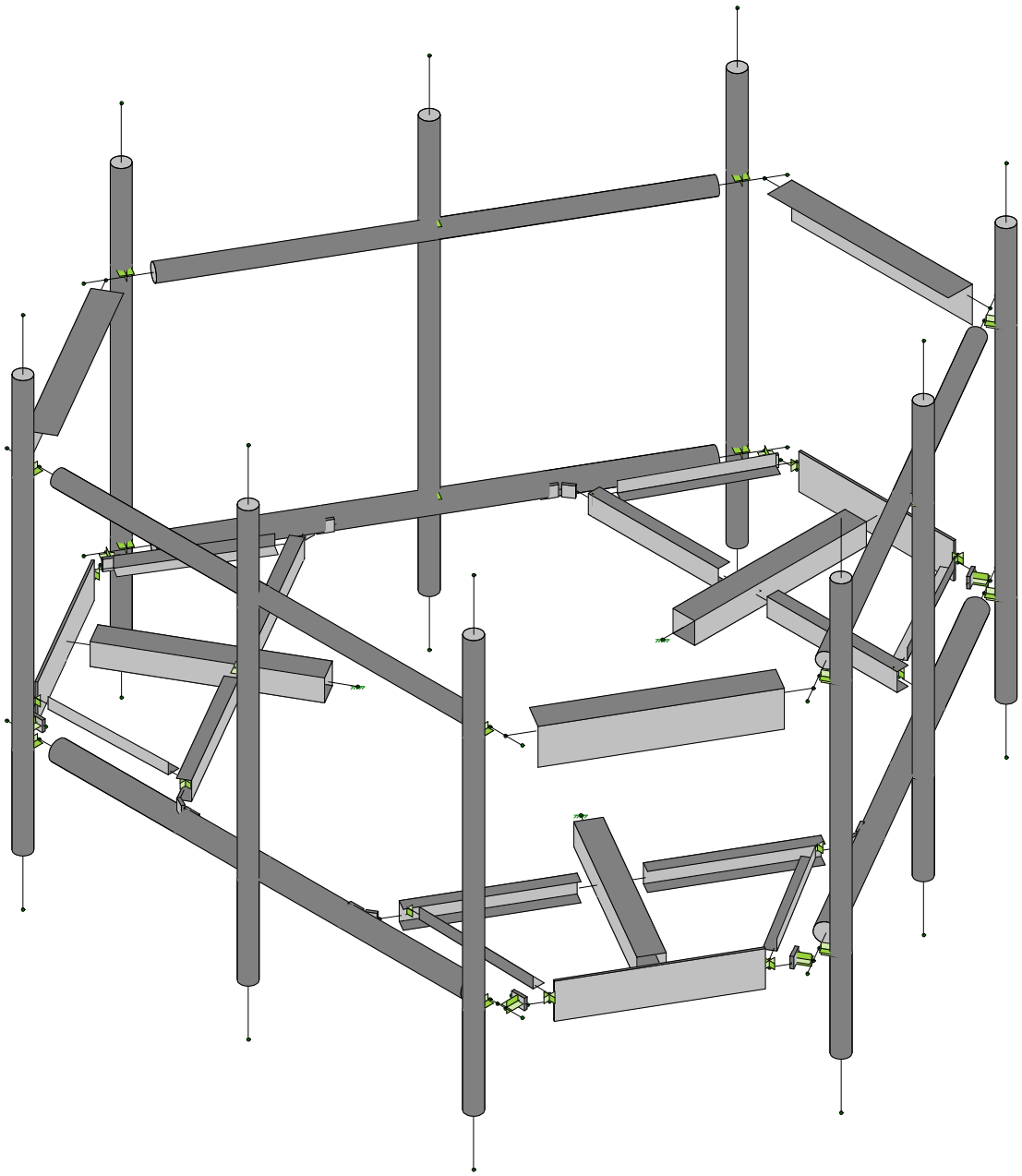

POD	842879	SK - 2
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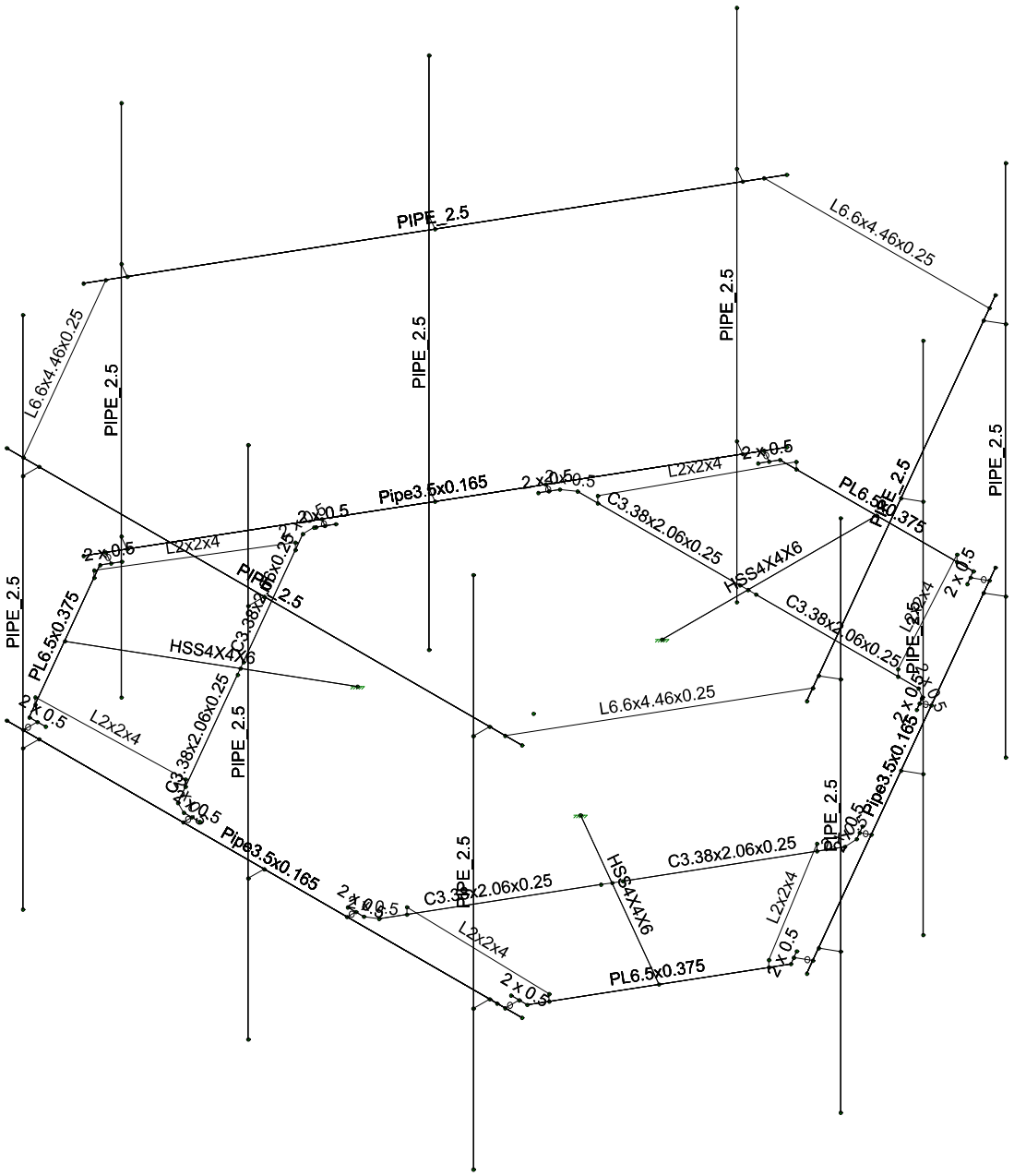
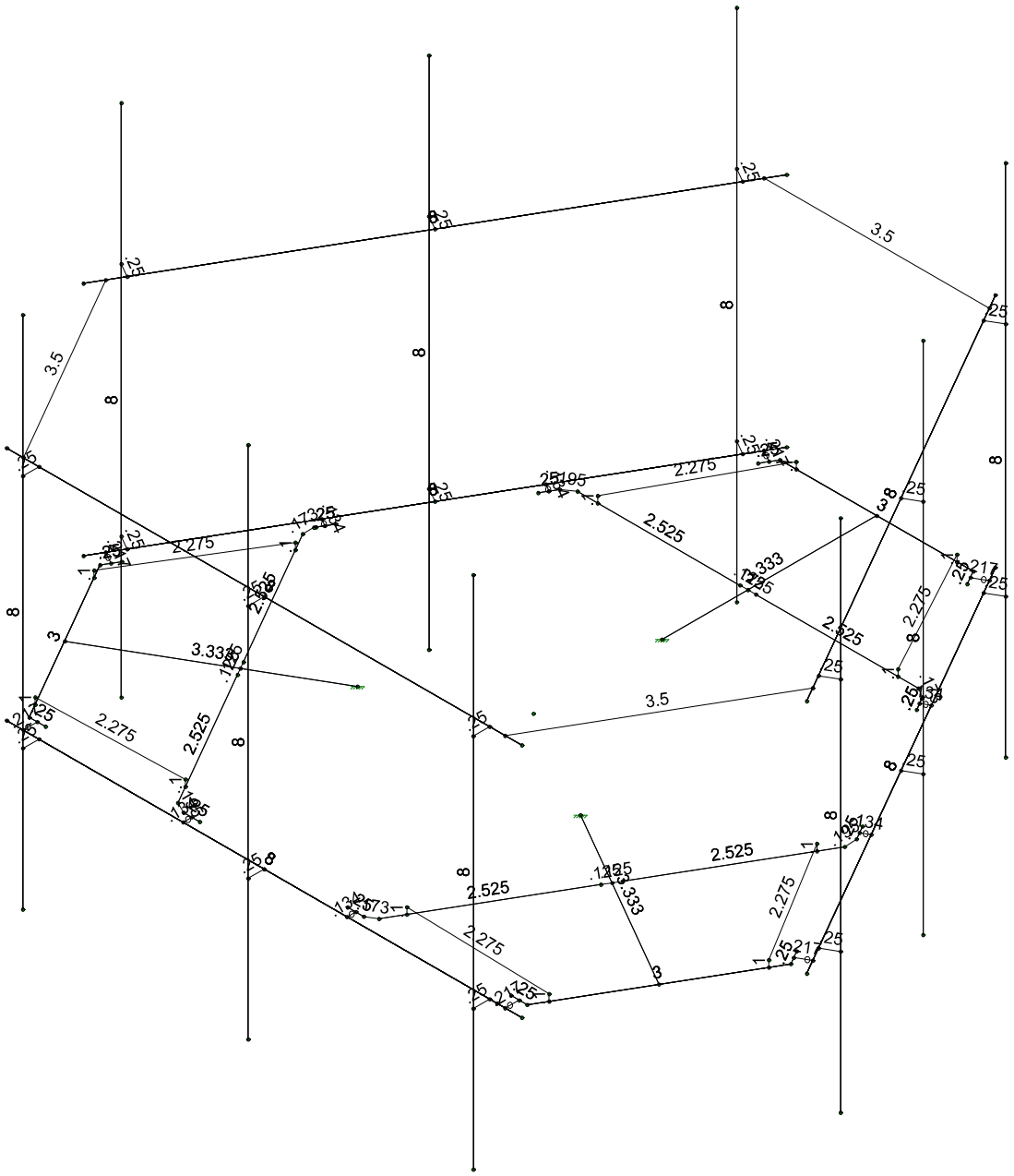
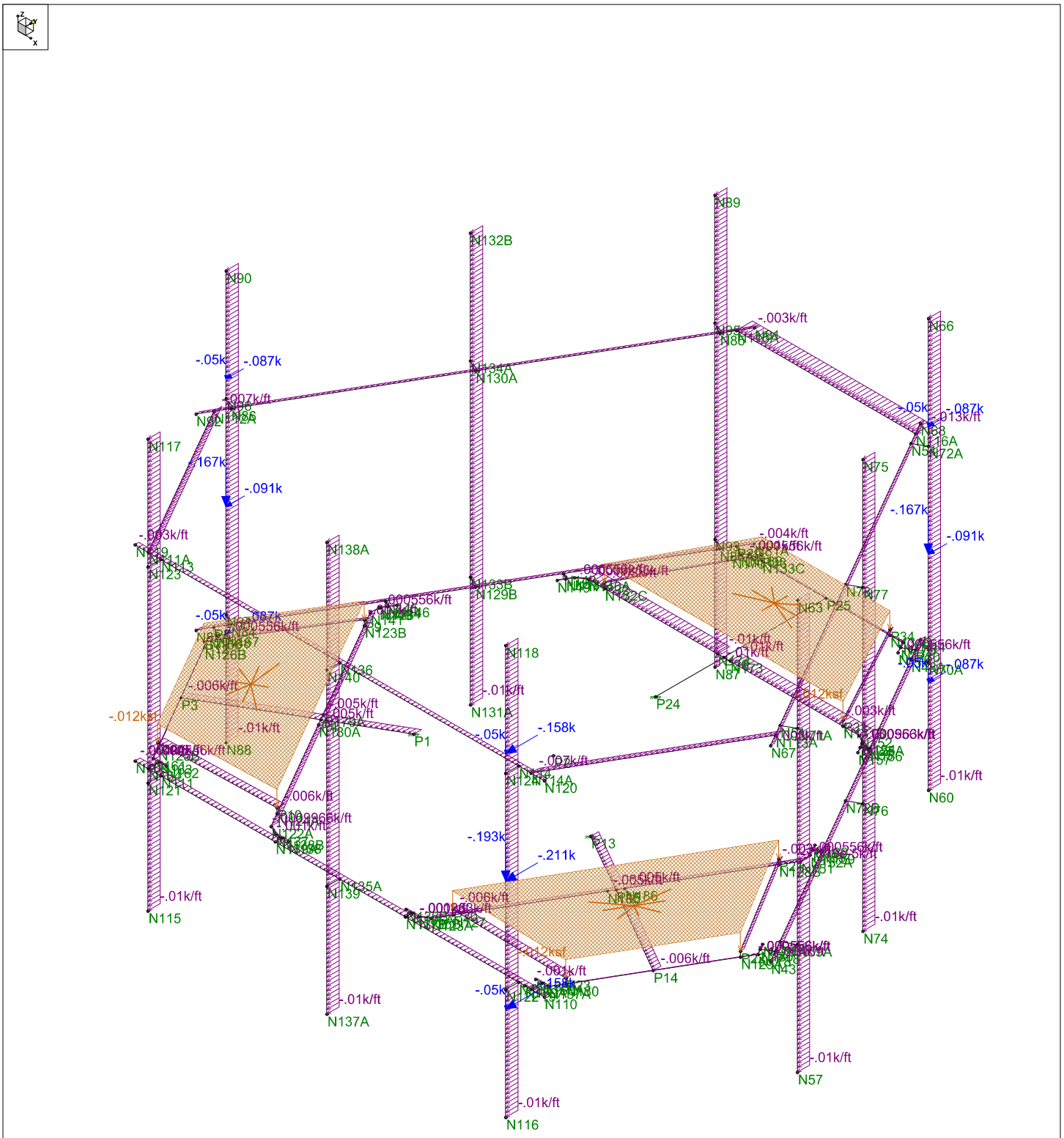


POD	842879	SK - 3
DWB		Sept 13, 2021 at 8:58 AM
21-108459		MC-PK8-DSH - LOADING - Copy.r...



Member Length (ft) Displayed

POD	842879	SK - 4
DWB		Sept 13, 2021 at 8:58 AM
21-108459		MC-PK8-DSH - LOADING - Copy.r...



Loads: LC 2, 1.2D + 1.0W(0)

POD	842879	SK - 5
DWB		Sept 13, 2021 at 9:23 AM
21-108459		MC-PK8-DSH - LOADING - Copy.r...

APPENDIX B

Software Input Calculations

POWER OF DESIGN

POD Job #	**21-108459**
Site Number	**842879**
Site Name	**WOODBRIDGE COUNTRY CLUB**

General Site Information

Mount Type	SFP	Risk Category	II	I (seismic)	1			Use CFD	Yes
V (Wind Speed)	119	I(ice)	1	Sms	0.304				
Zs	360.98			Sm1	0.151				width (ft) height (ft)
ti	1	Ss	0.19	Sds	0.203			Front Outer Dimensions	8 3.33
Vi	50	S1	0.063	Sd1	0.101				
Kzt	1	Soil Site Class	D (assumed)	Seismic Design Category	B				
Exposure	C	Fa	1.600						
zg	900	Fv	2.400	Seismic Analysis Not Required					
α	9.5			R	2	TIA-222-H	16.7		
Kmin	0.85	Tower Type	Monopole	As	1	TIA-222-H	16.7		
G_H	1	Tower Height	102	Cs, Min	0.03	TIA-222-H	2.7.7.1.1		
Ke	0.99			Cs	0.101333333	TIA-222-H	2.7.7.1.1		
K_D	0.95								
K_a	0.9								

Appurtenance Information

Model	Shielded	% Shielded	Centerline	Centerline on MP	Spacing (in)	Azimuth	Sector	Quantity		MP #
MX08FRO665-21			67	4	52		A/B/C	1	1	
TA08025-B604			67	4			A/B/C	1	1	
TA08025-B605			67	4			A/B/C	1	1	
RDIDC-9181-PF-48			67	4			A	1	1	

Mount Information

Elevation (ft)	67	Grating Thickness (in)	1
K_z	1.16	Grating Ice Weight (k/ft²)	0.014
Kiz	1.07		
tiz	1.07		

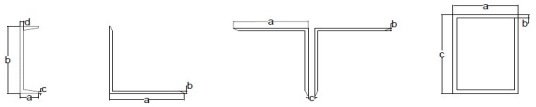
	Length (ft)	Width (in)	Centerline
Mount Pipes	8	2.875	67

Round Members

Member	Length (ft)	Width (in)	Frame Member	# of Members
FACE ON	8	3.5	Yes	2
FACEOFF	8	3.5	No	1
RAIL ON	8	2.875	Yes	2
RAIL OFF	8	2.875	No	1

Flat Members

Member	Length (ft)	Width (in)	Shape	A	B	C	D	Frame Member	# of Members
SO	3.4	4	Square HSS	4	0.375	4		No	3
RPL	3.5	4.5	Angle	4.5	0.25			No	3
Plate	0.125	0.5	Channel	0	2.375	0	0.5	No	6
Crossarm	2.75	3.38	Channel	2.06	3.38	0.25	0.25	No	6
CPL	3.5	0.375	Channel	0	6.5	0	0.375	No	3
Angle	2.3	2	Angle	2	0.25			No	6



Version 3.53

Appurtenance Wind Calculations

Model	Height	Width	Depth	Weight (lbs)	Kz	qz (lb/ft$_2$)	$(EPA)_N$ (ft^2)	$(EPA)_T$(ft^2)	Wind Force (Kips) Front	Side	Alpha	Beta	Gamma
MX08FRO665-21	72.0	20.0	8.0	82.5	1.16	39.54	8.01	3.21	0.317	0.127	0.269	0.269	0.127
TA08025-B604	15.0	15.8	7.9	63.9	1.16	39.54	1.77	0.88	0.070	0.035	0.061	0.061	0.035
TA08025-B605	15.0	15.8	9.1	75.0	1.16	39.54	1.77	1.02	0.070	0.040	0.062	0.062	0.040
RDIDC-9181-PF-48	16.6	14.6	8.5	21.9	1.16	39.54	1.81	1.05	0.072	0.042	0.064	0.064	0.042

Appurtenance Ice Calculations

Model	tiz (in)	Height	Width	Depth	Weight (lbs)	Kiz	qz (lb/ft$_2$)	$(EPA)_N$ (ft^2)	$(EPA)_T$(ft^2)	Wind Force (Kips) Front	Side	Alpha	Beta	Gamma
MX08FRO665-21	1.07	74.15	22.15	10.15	166.64	1.07	6.98	8.22	3.77	0.057	0.026	0.050	0.050	0.026
TA08025-B604	1.07	17.11	17.90	10.02	39.29	1.07	6.98	1.34	0.75	0.009	0.005	0.008	0.008	0.005
TA08025-B605	1.07	17.11	17.90	11.21	42.01	1.07	6.98	1.34	0.84	0.009	0.006	0.008	0.008	0.006
RDIDC-9181-PF-48	1.07	18.72	16.72	10.61	41.36	1.07	6.98	1.37	0.87	0.010	0.006	0.009	0.009	0.006

Round Members

Member	q_z (lb/ft^2)	Wind Calculations Ar	C	Rr	Cf	EPA (ft^2)	Load (k/ft)	Width (in)	Weight (k/ft)	q_z (lb/ft^2)	Ice Calculations Arice	Rrice	Cf	EPA (ft^2)	Load (k/ft)
FACE ON	39.54	4.67	36.49	0.61	1.20	1.52	0.008	5.65	0.01	6.98	7.53	0.68	1.20	2.78	0.002
FACEOFF	39.54	2.33	36.49	0.61	1.20	1.52	0.004	5.65	0.01	6.98	3.76	0.68	1.20	2.78	0.001
RAIL ON	39.54	3.83	29.97	0.61	1.20	1.25	0.006	5.02	0.01	6.98	6.70	0.68	1.20	2.47	0.002
RAIL OFF	39.54	1.92	29.97	0.61	1.20	1.25	0.003	5.02	0.01	6.98	3.35	0.68	1.20	2.47	0.001

Flat Members

Member	q_z (lb/ft^2)	Wind Calculations Af	Cf	EPA	Load (k/ft)	Width (in)	Weight (k/ft)	q_z (lb/ft^2)	Ice Calculations Arice	Rrice	Cf	EPA	Load (k/ft)
SO	39.54	3.40	1.25	1.28	0.007	6.15	0.01	6.98	5.22	0.68	1.25	1.34	0.001
RPL	39.54	3.94	2.00	2.36	0.013	6.65	0.01	6.98	5.82	0.68	2.00	2.38	0.002
Plate	39.54	0.03	2.00	0.01	0.001	2.65	0.00	6.98	0.17	0.68	2.00	0.03	0.001
Crossarm	39.54	4.65	2.00	1.39	0.010	5.53	0.01	6.98	7.60	0.68	2.00	1.56	0.002
CPL	39.54	0.33	2.00	0.20	0.001	2.52	0.01	6.98	2.21	0.68	2.00	0.90	0.001
Angle	39.54	2.30	2.00	0.69	0.006	4.15	0.01	6.98	4.77	0.68	2.00	0.98	0.001

Appurtenance Seismic Calculations

Model	Weight	Sds	ρ	Cs	As	Ev	Eh
MX08FRO665-21	82.5	0.203	1.000	0.101	1.000	0.003	0.008
TA08025-B604	63.9	0.203	1.000	0.101	1.000	0.003	0.006
TA08025-B605	75.0	0.203	1.000	0.101	1.000	0.003	0.008
RDIDC-9181-PF-48	21.9	0.203	1.000	0.101	1.000	0.001	0.002

Version 3.53

APPENDIX C

Software Analysis Output

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E..	Density[k/ft...	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	.527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
7	A1085	29000	11154	.3	.65	.49	50	1.4	65	1.3
8	A913 Gr.65	29000	11154	.3	.65	.49	65	1.1	80	1.1
9	A500 GR.C	29000	11154	.3	.65	.49	46	1.6	60	1.2
10	A529 Gr. 50	29000	11154	.3	.65	.49	50	1.1	65	1.1
11	A1011-33Ksi	29000	11154	.3	.65	.49	33	1.5	58	1.2
12	A1011 36 Ksi	29000	11154	.3	.65	.49	36	1.5	58	1.2
13	A1018 50 Ksi	29000	11154	.3	.65	.49	50	1.5	65	1.2

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[...	Lcomp bot[...	L-torq...	Kyy	Kzz	Cb	Functi...
1	SO3	HSS4X4X6	3.333			Lbyy						Lateral
2	SO2	HSS4X4X6	3.333			Lbyy						Lateral
3	SO1	HSS4X4X6	3.333			Lbyy						Lateral
4	RPL3	L6.6x4.46x...	3.5			Lbyy						Lateral
5	RPL2	L6.6x4.46x...	3.5			Lbyy						Lateral
6	RPL1	L6.6x4.46x...	3.5			Lbyy						Lateral
7	RAIL3	PIPE 2.5	8			Lbyy						Lateral
8	RAIL2	PIPE 2.5	8			Lbyy						Lateral
9	RAIL1	PIPE 2.5	8			Lbyy						Lateral
10	PL18	2 x 0.5	.25									Lateral
11	PL17	2 x 0.5	.173			Lbyy						Lateral
12	PL16	2 x 0.5	.25									Lateral
13	PL15	2 x 0.5	.195			Lbyy						Lateral
14	PL14	2 x 0.5	.25									Lateral
15	PL13	2 x 0.5	.173			Lbyy						Lateral
16	PL12	2 x 0.5	.25									Lateral
17	PL11	2 x 0.5	.25									Lateral
18	PL10	2 x 0.5	.195			Lbyy						Lateral
19	PL9	2 x 0.5	.173			Lbyy						Lateral
20	PL8	2 x 0.5	.25									Lateral
21	PL7	2 x 0.5	.195			Lbyy						Lateral
22	PL6	2 x 0.5	.25			Lbyy						Lateral
23	PL5	2 x 0.5	.25			Lbyy						Lateral
24	PL4	2 x 0.5	.25			Lbyy						Lateral
25	PL3	2 x 0.5	.25			Lbyy						Lateral
26	PL2	2 x 0.5	.25			Lbyy						Lateral
27	PL1	2 x 0.5	.25			Lbyy						Lateral
28	MP GAMMA3	PIPE_2.5	8			Lbyy						Lateral
29	MP GAMMA2	PIPE_2.5	8			Lbyy						Lateral
30	MP GAMMA1	PIPE_2.5	8			Lbyy						Lateral
31	MP BETA3	PIPE_2.5	8			Lbyy						Lateral
32	MP BETA2	PIPE_2.5	8			Lbyy						Lateral
33	MP BETA1	PIPE_2.5	8			Lbyy						Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[...	Lcomp bot[...	L-torq...	Kyy	Kzz	Cb	Functi...
34	MP ALPHA3	PIPE 2.5	8			Lbyy						Lateral
35	MP ALPHA2	PIPE 2.5	8			Lbyy						Lateral
36	MP ALPHA1	PIPE 2.5	8			Lbyy						Lateral
37	FACE3	Pipe3.5x0....	8			Lbyy						Lateral
38	FACE2	Pipe3.5x0....	8			Lbyy						Lateral
39	FACE1	Pipe3.5x0....	8			Lbyy						Lateral
40	CR6	C3.38x2.0...	2.525			Lbyy						Lateral
41	CR5	C3.38x2.0...	2.525			Lbyy						Lateral
42	CPL3	PL6.5x0.375	3			Lbyy						Lateral
43	CPL2	PL6.5x0.375	3			Lbyy						Lateral
44	CPL1	PL6.5x0.375	3			Lbyy						Lateral
45	ANGLE6	L2x2x4	2.275			Lbyy						Lateral
46	ANGLE5	L2x2x4	2.275			Lbyy						Lateral
47	ANGLE4	L2x2x4	2.275			Lbyy						Lateral
48	ANGLE3	L2x2x4	2.275			Lbyy						Lateral
49	ANGLE2	L2x2x4	2.275			Lbyy						Lateral
50	ANGLE1	L2x2x4	2.275			Lbyy						Lateral
51	CR4	C3.38x2.0...	2.525			Lbyy						Lateral
52	CR3	C3.38x2.0...	2.525			Lbyy						Lateral
53	CR2	C3.38x2.0...	2.525			Lbyy						Lateral
54	CR1	C3.38x2.0...	2.525			Lbyy						Lateral

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Shape	Type	Design List	Material	Design Rul...
1	SO3	P25	P24		270	HSS4X4X6	Beam	SquareTube	A500 GR.C	Typical
2	SO2	P3	P1		90	HSS4X4X6	Beam	SquareTube	A500 GR.C	Typical
3	SO1	P14	P13		270	HSS4X4X6	Beam	SquareTube	A500 GR.C	Typical
4	RPL3	N116A	N115A		90	L6.6x4.46x0....	Beam	Single Angle	A1011 36 Ksi	Typical
5	RPL2	N112A	N111A		270	L6.6x4.46x0....	Beam	Single Angle	A1011 36 Ksi	Typical
6	RPL1	N114A	N113A		270	L6.6x4.46x0....	Beam	Single Angle	A1011 36 Ksi	Typical
7	RAIL3	N67	N68		270	PIPE_2.5	Beam	Pipe	A500 GR.C	Typical
8	RAIL2	N91	N92		270	PIPE_2.5	Beam	Pipe	A500 GR.C	Typical
9	RAIL1	N119	N120		90	PIPE_2.5	Beam	Pipe	A500 GR.C	Typical
10	PL18	N143	N146		90	2 x 0.5	Beam	None	A1011 36 Ksi	Typical
11	PL17	N143	N141		270	2 x 0.5	Beam	RECT	A1011 36 Ksi	Typical
12	PL16	N134	N149		270	2 x 0.5	Beam	None	A1011 36 Ksi	Typical
13	PL15	N140A	N134		270	2 x 0.5	Beam	RECT	A1011 36 Ksi	Typical
14	PL14	N135B	N136B		270	2 x 0.5	Beam	None	A1011 36 Ksi	Typical
15	PL13	N135B	N123A		90	2 x 0.5	Beam	RECT	A1011 36 Ksi	Typical
16	PL12	N154	N157		90	2 x 0.5	Beam	None	A1011 36 Ksi	Typical
17	PL11	N137	N138		90	2 x 0.5	Beam	None	A1011 36 Ksi	Typical
18	PL10	N122A	N137		90	2 x 0.5	Beam	RECT	A1011 36 Ksi	Typical
19	PL9	N154	N152		270	2 x 0.5	Beam	RECT	A1011 36 Ksi	Typical
20	PL8	N132A	N160		270	2 x 0.5	Beam	None	A1011 36 Ksi	Typical
21	PL7	N151	N132A		270	2 x 0.5	Beam	RECT	A1011 36 Ksi	Typical
22	PL6	N158A	N157A		90	2 x 0.5	Beam	RECT	A1011 36 Ksi	Typical
23	PL5	N161	N162		90	2 x 0.5	Beam	RECT	A1011 36 Ksi	Typical
24	PL4	N167	N166		270	2 x 0.5	Beam	RECT	A1011 36 Ksi	Typical
25	PL3	N169	N170		270	2 x 0.5	Beam	RECT	A1011 36 Ksi	Typical
26	PL2	N176	N175		270	2 x 0.5	Beam	RECT	A1011 36 Ksi	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Shape	Type	Design List	Material	Design Rul...
27	PL1	N178	N179		270	2 x 0.5	Beam	RECT	A1011 36 Ksi	Typical
28	MP GAMMA3	N57	N63		300	PIPE_2.5	Beam	Pipe	A500 GR.C	Typical
29	MP GAMMA2	N74	N75		300	PIPE_2.5	Beam	Pipe	A500 GR.C	Typical
30	MP GAMMA1	N60	N66		300	PIPE_2.5	Beam	Pipe	A500 GR.C	Typical
31	MP BETA3	N87	N89		300	PIPE_2.5	Beam	Pipe	A500 GR.C	Typical
32	MP BETA2	N131A	N132B		300	PIPE_2.5	Beam	Pipe	A500 GR.C	Typical
33	MP BETA1	N88	N90		300	PIPE_2.5	Beam	Pipe	A500 GR.C	Typical
34	MP ALPHA3	N115	N117		300	PIPE_2.5	Beam	Pipe	A500 GR.C	Typical
35	MP ALPHA2	N137A	N138A		300	PIPE_2.5	Beam	Pipe	A500 GR.C	Typical
36	MP ALPHA1	N116	N118		300	PIPE_2.5	Beam	Pipe	A500 GR.C	Typical
37	FACE3	N43	N44		270	Pipe3.5x0.165	Beam	Pipe	A500 GR.C	Typical
38	FACE2	N81A	N82A		270	Pipe3.5x0.165	Beam	Pipe	A500 GR.C	Typical
39	FACE1	N109	N110		90	Pipe3.5x0.165	Beam	Pipe	A500 GR.C	Typical
40	CR6	N173	N152		270	C3.38x2.06x...	Beam	Channel	A529 Gr. 50	Typical
41	CR5	N174	N140A		270	C3.38x2.06x...	Beam	Channel	A529 Gr. 50	Typical
42	CPL3	N169	N175		90	PL6.5x0.375	Beam	RECT	A1011 36 Ksi	Typical
43	CPL2	N161	N166		270	PL6.5x0.375	Beam	RECT	A1011 36 Ksi	Typical
44	CPL1	N178	N157A		270	PL6.5x0.375	Beam	RECT	A1011 36 Ksi	Typical
45	ANGLE6	P32	P33		90	L2x2x4	Beam	Single Angle	A529 Gr. 50	Typical
46	ANGLE5	P31	P34		180	L2x2x4	Beam	Single Angle	A529 Gr. 50	Typical
47	ANGLE4	P21	P22		90	L2x2x4	Beam	Single Angle	A529 Gr. 50	Typical
48	ANGLE3	P9	P12		180	L2x2x4	Beam	Single Angle	A529 Gr. 50	Typical
49	ANGLE2	P10	P11		270	L2x2x4	Beam	Single Angle	A529 Gr. 50	Typical
50	ANGLE1	P20	P23			L2x2x4	Beam	Single Angle	A529 Gr. 50	Typical
51	42	N180	P18		180	RIGID	None	None	RIGID	Typical
52	41	P30	N177		180	RIGID	None	None	RIGID	Typical
53	40	N171	P29			RIGID	None	None	RIGID	Typical
54	39	P8	N168			RIGID	None	None	RIGID	Typical
55	38	N163	N164			RIGID	None	None	RIGID	Typical
56	37	P19	N160A			RIGID	None	None	RIGID	Typical
57	36	N159	N158		270	RIGID	None	None	RIGID	Typical
58	35	N139A	N138B		90	RIGID	None	None	RIGID	Typical
59	34	N156	N155		270	RIGID	None	None	RIGID	Typical
60	33	N137B	N136A		90	RIGID	None	None	RIGID	Typical
61	32	N132C	P32			RIGID	None	None	RIGID	Typical
62	31	N148	N147		90	RIGID	None	None	RIGID	Typical
63	30	N133C	P33			RIGID	None	None	RIGID	Typical
64	29	N134B	P34			RIGID	None	None	RIGID	Typical
65	28	N131B	P31			RIGID	None	None	RIGID	Typical
66	27	N145	N144		90	RIGID	None	None	RIGID	Typical
67	26	N128B	P21			RIGID	None	None	RIGID	Typical
68	25	N129A	P22			RIGID	None	None	RIGID	Typical
69	24	N130	P23			RIGID	None	None	RIGID	Typical
70	23	N127	P20			RIGID	None	None	RIGID	Typical
71	22	N124A	P10			RIGID	None	None	RIGID	Typical
72	21	N123B	P9			RIGID	None	None	RIGID	Typical
73	20	N126B	P12			RIGID	None	None	RIGID	Typical
74	19	N125B	P11			RIGID	None	None	RIGID	Typical
75	18	N48A	N70A		90	RIGID	None	None	RIGID	Typical
76	17	N45	N69A		90	RIGID	None	None	RIGID	Typical
77	16	N51	N71A		90	RIGID	None	None	RIGID	Typical
78	15	N54	N72A		90	RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Shape	Type	Design List	Material	Design Rul...
79	14	N72B	N76		90	RIGID	None	None	RIGID	Typical
80	13	N73	N77		90	RIGID	None	None	RIGID	Typical
81	12	N84	N94		270	RIGID	None	None	RIGID	Typical
82	11	N83A	N93		270	RIGID	None	None	RIGID	Typical
83	10	N85	N95		270	RIGID	None	None	RIGID	Typical
84	9	N86	N96		270	RIGID	None	None	RIGID	Typical
85	8	N112	N122		270	RIGID	None	None	RIGID	Typical
86	7	N111	N121		270	RIGID	None	None	RIGID	Typical
87	6	N113	N123		270	RIGID	None	None	RIGID	Typical
88	5	N129B	N133B		270	RIGID	None	None	RIGID	Typical
89	4	N114	N124		270	RIGID	None	None	RIGID	Typical
90	3	N130A	N134A		270	RIGID	None	None	RIGID	Typical
91	2	N135A	N139		270	RIGID	None	None	RIGID	Typical
92	1	N136	N140		270	RIGID	None	None	RIGID	Typical
93	M97	P26	N174			RIGID	None	None	RIGID	Typical
94	M98	P26	N173			RIGID	None	None	RIGID	Typical
95	CR4	N179A	N141		90	C3.38x2.06x...	Beam	Channel	A529 Gr. 50	Typical
96	CR3	N180A	N122A		90	C3.38x2.06x...	Beam	Channel	A529 Gr. 50	Typical
97	M97A	P4	N180A		180	RIGID	None	None	RIGID	Typical
98	M98A	P4	N179A		180	RIGID	None	None	RIGID	Typical
99	CR2	N185	N123A		90	C3.38x2.06x...	Beam	Channel	A529 Gr. 50	Typical
100	CR1	N186	N151		90	C3.38x2.06x...	Beam	Channel	A529 Gr. 50	Typical
101	M101	P15	N186		180	RIGID	None	None	RIGID	Typical
102	M102	P15	N185		180	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	SO3						Yes	Default			None
2	SO2						Yes	Default			None
3	SO1						Yes	Default			None
4	RPL3						Yes	Default			None
5	RPL2						Yes	Default			None
6	RPL1						Yes	Default			None
7	RAIL3						Yes				None
8	RAIL2						Yes				None
9	RAIL1						Yes				None
10	PL18						Yes	Default			None
11	PL17						Yes				None
12	PL16						Yes	Default			None
13	PL15						Yes				None
14	PL14						Yes	Default			None
15	PL13						Yes				None
16	PL12						Yes	Default			None
17	PL11						Yes	Default			None
18	PL10						Yes				None
19	PL9						Yes				None
20	PL8						Yes	Default			None
21	PL7						Yes				None
22	PL6						Yes	Default			None
23	PL5						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 ...
24	PL4						Yes	Default			None
25	PL3						Yes				None
26	PL2						Yes	Default			None
27	PL1						Yes				None
28	MP GAMM...						Yes				None
29	MP GAMM...						Yes				None
30	MP GAMM...						Yes				None
31	MP BETA3						Yes				None
32	MP BETA2						Yes				None
33	MP BETA1						Yes				None
34	MP ALPHA3						Yes				None
35	MP ALPHA2						Yes				None
36	MP ALPHA1						Yes				None
37	FACE3						Yes				None
38	FACE2						Yes				None
39	FACE1						Yes	Default			None
40	CR6						Yes	Default			None
41	CR5						Yes	Default			None
42	CPL3						Yes	Default			None
43	CPL2						Yes	Default			None
44	CPL1						Yes	Default			None
45	ANGLE6						Yes				None
46	ANGLE5						Yes				None
47	ANGLE4						Yes				None
48	ANGLE3						Yes	Default			None
49	ANGLE2						Yes				None
50	ANGLE1						Yes				None
51	42		OOOXOO				Yes	** NA **			None
52	41	OOOXOO					Yes	** NA **			None
53	40		OOOXOO				Yes	** NA **			None
54	39	OOOXOO					Yes	** NA **			None
55	38		OOOXOO				Yes	** NA **			None
56	37	OOOXOO					Yes	** NA **			None
57	36	OOOXOO					Yes	** NA **			None
58	35	OOOXOO					Yes	** NA **			None
59	34	OOOXOO					Yes	** NA **			None
60	33	OOOXOO					Yes	** NA **			None
61	32						Yes	** NA **			None
62	31	OOOXOO					Yes	** NA **			None
63	30						Yes	** NA **			None
64	29						Yes	** NA **			None
65	28						Yes	** NA **			None
66	27	OOOXOO					Yes	** NA **			None
67	26						Yes	** NA **			None
68	25						Yes	** NA **			None
69	24						Yes	** NA **			None
70	23						Yes	** NA **			None
71	22						Yes	** NA **			None
72	21						Yes	** NA **			None
73	20						Yes	** NA **			None
74	19						Yes	** NA **			None
75	18						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic ...
76	17						Yes	** NA **			None
77	16						Yes	** NA **			None
78	15						Yes	** NA **			None
79	14						Yes	** NA **			None
80	13						Yes	** NA **			None
81	12						Yes	** NA **			None
82	11						Yes	** NA **			None
83	10						Yes	** NA **			None
84	9						Yes	** NA **			None
85	8						Yes	** NA **			None
86	7						Yes	** NA **			None
87	6						Yes	** NA **			None
88	5						Yes	** NA **			None
89	4						Yes	** NA **			None
90	3						Yes	** NA **			None
91	2						Yes	** NA **			None
92	1						Yes	** NA **			None
93	M97						Yes	** NA **			None
94	M98						Yes	** NA **			None
95	CR4						Yes	Default			None
96	CR3						Yes	Default			None
97	M97A						Yes	** NA **			None
98	M98A						Yes	** NA **			None
99	CR2						Yes	Default			None
100	CR1						Yes	Default			None
101	M101						Yes	** NA **			None
102	M102						Yes	** NA **			None

Member Point Loads (BLC 1 : Live Load)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	FACE1	Z	-.5	0

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.158	6.167
2	MP ALPHA1	Y	-.158	1.833
3	MP BETA1	Y	-.087	6.167
4	MP BETA1	Y	-.087	1.833
5	MP GAMMA1	Y	-.087	6.167
6	MP GAMMA1	Y	-.087	1.833
7	MP ALPHA1	Y	-.07	4
8	MP BETA1	Y	-.044	4
9	MP GAMMA1	Y	-.044	4
10	MP ALPHA1	Y	-.07	4
11	MP BETA1	Y	-.048	4
12	MP GAMMA1	Y	-.048	4
13	MP ALPHA1	Y	-.072	4

Member Point Loads (BLC 3 : Dead Load)

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

Member Point Loads (BLC 3 : Dead Load) (Continued)

	Member Label	Direction	Magnitude [k,k-ft]	Location [ft,%]
1	MP ALPHA1	Z	-.041	6.167
2	MP ALPHA1	Z	-.041	1.833
3	MP BETA1	Z	-.041	6.167
4	MP BETA1	Z	-.041	1.833
5	MP GAMMA1	Z	-.041	6.167
6	MP GAMMA1	Z	-.041	1.833
7	MP ALPHA1	Z	-.064	4
8	MP BETA1	Z	-.064	4
9	MP GAMMA1	Z	-.064	4
10	MP ALPHA1	Z	-.075	4
11	MP BETA1	Z	-.075	4
12	MP GAMMA1	Z	-.075	4
13	MP ALPHA1	Z	-.022	4

Member Point Loads (BLC 4 : Wind Load (30))

	Member Label	Direction	Magnitude [k,k-ft]	Location [ft,%]
1	MP ALPHA1	Y	-.117	6.167
2	MP ALPHA1	Y	-.117	1.833
3	MP ALPHA1	X	-.067	6.167
4	MP ALPHA1	X	-.067	1.833
5	MP BETA1	Y	-.055	6.167
6	MP BETA1	Y	-.055	1.833
7	MP BETA1	X	-.032	6.167
8	MP BETA1	X	-.032	1.833
9	MP GAMMA1	Y	-.117	6.167
10	MP GAMMA1	Y	-.117	1.833
11	MP GAMMA1	X	-.067	6.167
12	MP GAMMA1	X	-.067	1.833
13	MP ALPHA1	Y	-.053	4
14	MP ALPHA1	X	-.031	4
15	MP BETA1	Y	-.03	4
16	MP BETA1	X	-.017	4
17	MP GAMMA1	Y	-.053	4
18	MP GAMMA1	X	-.031	4
19	MP ALPHA1	Y	-.054	4
20	MP ALPHA1	X	-.031	4
21	MP BETA1	Y	-.035	4
22	MP BETA1	X	-.02	4
23	MP GAMMA1	Y	-.054	4
24	MP GAMMA1	X	-.031	4
25	MP ALPHA1	Y	-.056	4
26	MP ALPHA1	X	-.032	4

Member Point Loads (BLC 5 : Wind Load (60))

	Member Label	Direction	Magnitude [k,k-ft]	Location [ft,%]
1	MP ALPHA1	Y	-.044	6.167
2	MP ALPHA1	Y	-.044	1.833
3	MP ALPHA1	X	-.076	6.167
4	MP ALPHA1	X	-.076	1.833
5	MP BETA1	Y	-.044	6.167
6	MP BETA1	Y	-.044	1.833

Member Point Loads (BLC 5 : Wind Load (60)) (Continued)

	Member Label	Direction	Magnitude [k,k-ft]	Location [ft,%]
7	MP BETA1	X	-.076	6.167
8	MP BETA1	X	-.076	1.833
9	MP GAMMA1	Y	-.079	6.167
10	MP GAMMA1	Y	-.079	1.833
11	MP GAMMA1	X	-.137	6.167
12	MP GAMMA1	X	-.137	1.833
13	MP ALPHA1	Y	-.022	4
14	MP ALPHA1	X	-.038	4
15	MP BETA1	Y	-.022	4
16	MP BETA1	X	-.038	4
17	MP GAMMA1	Y	-.035	4
18	MP GAMMA1	X	-.061	4
19	MP ALPHA1	Y	-.024	4
20	MP ALPHA1	X	-.041	4
21	MP BETA1	Y	-.024	4
22	MP BETA1	X	-.041	4
23	MP GAMMA1	Y	-.035	4
24	MP GAMMA1	X	-.061	4
25	MP ALPHA1	Y	-.025	4
26	MP ALPHA1	X	-.043	4

Member Point Loads (BLC 6 : Wind Load (90))

	Member Label	Direction	Magnitude [k,k-ft]	Location [ft,%]
1	MP ALPHA1	X	-.063	6.167
2	MP ALPHA1	X	-.063	1.833
3	MP BETA1	X	-.135	6.167
4	MP BETA1	X	-.135	1.833
5	MP GAMMA1	X	-.135	6.167
6	MP GAMMA1	X	-.135	1.833
7	MP ALPHA1	X	-.035	4
8	MP BETA1	X	-.061	4
9	MP GAMMA1	X	-.061	4
10	MP ALPHA1	X	-.04	4
11	MP BETA1	X	-.062	4
12	MP GAMMA1	X	-.062	4
13	MP ALPHA1	X	-.042	4

Member Point Loads (BLC 7 : Wind Load (120))

	Member Label	Direction	Magnitude [k,k-ft]	Location [ft,%]
1	MP ALPHA1	Y	.044	6.167
2	MP ALPHA1	Y	.044	1.833
3	MP ALPHA1	X	-.076	6.167
4	MP ALPHA1	X	-.076	1.833
5	MP BETA1	Y	.079	6.167
6	MP BETA1	Y	.079	1.833
7	MP BETA1	X	-.137	6.167
8	MP BETA1	X	-.137	1.833
9	MP GAMMA1	Y	.044	6.167
10	MP GAMMA1	Y	.044	1.833
11	MP GAMMA1	X	-.076	6.167
12	MP GAMMA1	X	-.076	1.833

Member Point Loads (BLC 7 : Wind Load (120)) (Continued)

	Member Label	Direction	Magnitude [k,k-ft]	Location [ft,%]
13	MP ALPHA1	Y	.022	4
14	MP ALPHA1	X	-.038	4
15	MP BETA1	Y	.035	4
16	MP BETA1	X	-.061	4
17	MP GAMMA1	Y	.022	4
18	MP GAMMA1	X	-.038	4
19	MP ALPHA1	Y	.024	4
20	MP ALPHA1	X	-.041	4
21	MP BETA1	Y	.035	4
22	MP BETA1	X	-.061	4
23	MP GAMMA1	Y	.024	4
24	MP GAMMA1	X	-.041	4
25	MP ALPHA1	Y	.025	4
26	MP ALPHA1	X	-.043	4

Member Point Loads (BLC 8 : Wind Load (150))

	Member Label	Direction	Magnitude [k,k-ft]	Location [ft,%]
1	MP ALPHA1	Y	.117	6.167
2	MP ALPHA1	Y	.117	1.833
3	MP ALPHA1	X	-.067	6.167
4	MP ALPHA1	X	-.067	1.833
5	MP BETA1	Y	.117	6.167
6	MP BETA1	Y	.117	1.833
7	MP BETA1	X	-.067	6.167
8	MP BETA1	X	-.067	1.833
9	MP GAMMA1	Y	.055	6.167
10	MP GAMMA1	Y	.055	1.833
11	MP GAMMA1	X	-.032	6.167
12	MP GAMMA1	X	-.032	1.833
13	MP ALPHA1	Y	.053	4
14	MP ALPHA1	X	-.031	4
15	MP BETA1	Y	.053	4
16	MP BETA1	X	-.031	4
17	MP GAMMA1	Y	.03	4
18	MP GAMMA1	X	-.017	4
19	MP ALPHA1	Y	.054	4
20	MP ALPHA1	X	-.031	4
21	MP BETA1	Y	.054	4
22	MP BETA1	X	-.031	4
23	MP GAMMA1	Y	.035	4
24	MP GAMMA1	X	-.02	4
25	MP ALPHA1	Y	.056	4
26	MP ALPHA1	X	-.032	4

Member Point Loads (BLC 9 : Wind Load (180))

	Member Label	Direction	Magnitude [k,k-ft]	Location [ft,%]
1	MP ALPHA1	Y	.158	6.167
2	MP ALPHA1	Y	.158	1.833
3	MP BETA1	Y	.087	6.167
4	MP BETA1	Y	.087	1.833
5	MP GAMMA1	Y	.087	6.167

Member Point Loads (BLC 9 : Wind Load (180)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
6	MP GAMMA1	Y	.087	1.833
7	MP ALPHA1	Y	.07	4
8	MP BETA1	Y	.044	4
9	MP GAMMA1	Y	.044	4
10	MP ALPHA1	Y	.07	4
11	MP BETA1	Y	.048	4
12	MP GAMMA1	Y	.048	4
13	MP ALPHA1	Y	.072	4

Member Point Loads (BLC 10 : Wind Load (210))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.117	6.167
2	MP ALPHA1	Y	.117	1.833
3	MP ALPHA1	X	.067	6.167
4	MP ALPHA1	X	.067	1.833
5	MP BETA1	Y	.055	6.167
6	MP BETA1	Y	.055	1.833
7	MP BETA1	X	.032	6.167
8	MP BETA1	X	.032	1.833
9	MP GAMMA1	Y	.117	6.167
10	MP GAMMA1	Y	.117	1.833
11	MP GAMMA1	X	.067	6.167
12	MP GAMMA1	X	.067	1.833
13	MP ALPHA1	Y	.053	4
14	MP ALPHA1	X	.031	4
15	MP BETA1	Y	.03	4
16	MP BETA1	X	.017	4
17	MP GAMMA1	Y	.053	4
18	MP GAMMA1	X	.031	4
19	MP ALPHA1	Y	.054	4
20	MP ALPHA1	X	.031	4
21	MP BETA1	Y	.035	4
22	MP BETA1	X	.02	4
23	MP GAMMA1	Y	.054	4
24	MP GAMMA1	X	.031	4
25	MP ALPHA1	Y	.056	4
26	MP ALPHA1	X	.032	4

Member Point Loads (BLC 11 : Wind Load (240))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.044	6.167
2	MP ALPHA1	Y	.044	1.833
3	MP ALPHA1	X	.076	6.167
4	MP ALPHA1	X	.076	1.833
5	MP BETA1	Y	.044	6.167
6	MP BETA1	Y	.044	1.833
7	MP BETA1	X	.076	6.167
8	MP BETA1	X	.076	1.833
9	MP GAMMA1	Y	.079	6.167
10	MP GAMMA1	Y	.079	1.833
11	MP GAMMA1	X	.137	6.167

Member Point Loads (BLC 11 : Wind Load (240)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
12	MP GAMMA1	X	.137	1.833
13	MP ALPHA1	Y	.022	4
14	MP ALPHA1	X	.038	4
15	MP BETA1	Y	.022	4
16	MP BETA1	X	.038	4
17	MP GAMMA1	Y	.035	4
18	MP GAMMA1	X	.061	4
19	MP ALPHA1	Y	.024	4
20	MP ALPHA1	X	.041	4
21	MP BETA1	Y	.024	4
22	MP BETA1	X	.041	4
23	MP GAMMA1	Y	.035	4
24	MP GAMMA1	X	.061	4
25	MP ALPHA1	Y	.025	4
26	MP ALPHA1	X	.043	4

Member Point Loads (BLC 12 : Wind Load (270))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	.063	6.167
2	MP ALPHA1	X	.063	1.833
3	MP BETA1	X	.135	6.167
4	MP BETA1	X	.135	1.833
5	MP GAMMA1	X	.135	6.167
6	MP GAMMA1	X	.135	1.833
7	MP ALPHA1	X	.035	4
8	MP BETA1	X	.061	4
9	MP GAMMA1	X	.061	4
10	MP ALPHA1	X	.04	4
11	MP BETA1	X	.062	4
12	MP GAMMA1	X	.062	4
13	MP ALPHA1	X	.042	4

Member Point Loads (BLC 13 : Wind Load (300))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.044	6.167
2	MP ALPHA1	Y	-.044	1.833
3	MP ALPHA1	X	.076	6.167
4	MP ALPHA1	X	.076	1.833
5	MP BETA1	Y	-.079	6.167
6	MP BETA1	Y	-.079	1.833
7	MP BETA1	X	.137	6.167
8	MP BETA1	X	.137	1.833
9	MP GAMMA1	Y	-.044	6.167
10	MP GAMMA1	Y	-.044	1.833
11	MP GAMMA1	X	.076	6.167
12	MP GAMMA1	X	.076	1.833
13	MP ALPHA1	Y	-.022	4
14	MP ALPHA1	X	.038	4
15	MP BETA1	Y	-.035	4
16	MP BETA1	X	.061	4
17	MP GAMMA1	Y	-.022	4

Member Point Loads (BLC 13 : Wind Load (300)) (Continued)

	Member Label	Direction	Magnitude [k,k-ft]	Location [ft,%]
18	MP GAMMA1	X	.038	4
19	MP ALPHA1	Y	-.024	4
20	MP ALPHA1	X	.041	4
21	MP BETA1	Y	-.035	4
22	MP BETA1	X	.061	4
23	MP GAMMA1	Y	-.024	4
24	MP GAMMA1	X	.041	4
25	MP ALPHA1	Y	-.025	4
26	MP ALPHA1	X	.043	4

Member Point Loads (BLC 14 : Wind Load (330))

	Member Label	Direction	Magnitude [k,k-ft]	Location [ft,%]
1	MP ALPHA1	Y	-.117	6.167
2	MP ALPHA1	Y	-.117	1.833
3	MP ALPHA1	X	.067	6.167
4	MP ALPHA1	X	.067	1.833
5	MP BETA1	Y	-.117	6.167
6	MP BETA1	Y	-.117	1.833
7	MP BETA1	X	.067	6.167
8	MP BETA1	X	.067	1.833
9	MP GAMMA1	Y	-.055	6.167
10	MP GAMMA1	Y	-.055	1.833
11	MP GAMMA1	X	.032	6.167
12	MP GAMMA1	X	.032	1.833
13	MP ALPHA1	Y	-.053	4
14	MP ALPHA1	X	.031	4
15	MP BETA1	Y	-.053	4
16	MP BETA1	X	.031	4
17	MP GAMMA1	Y	-.03	4
18	MP GAMMA1	X	.017	4
19	MP ALPHA1	Y	-.054	4
20	MP ALPHA1	X	.031	4
21	MP BETA1	Y	-.054	4
22	MP BETA1	X	.031	4
23	MP GAMMA1	Y	-.035	4
24	MP GAMMA1	X	.02	4
25	MP ALPHA1	Y	-.056	4
26	MP ALPHA1	X	.032	4

Member Point Loads (BLC 15 : Maintanence (0))

	Member Label	Direction	Magnitude [k,k-ft]	Location [ft,%]
1	MP ALPHA1	Y	-.01	6.167
2	MP ALPHA1	Y	-.01	1.833
3	MP BETA1	Y	-.006	6.167
4	MP BETA1	Y	-.006	1.833
5	MP GAMMA1	Y	-.006	6.167
6	MP GAMMA1	Y	-.006	1.833
7	MP ALPHA1	Y	-.004	4
8	MP BETA1	Y	-.003	4
9	MP GAMMA1	Y	-.003	4
10	MP ALPHA1	Y	-.004	4

Member Point Loads (BLC 15 : Maintanence (0)) (Continued)

	Member Label	Direction	Magnitude [k,k-ft]	Location [ft,%]
11	MP BETA1	Y	-.003	4
12	MP GAMMA1	Y	-.003	4
13	MP ALPHA1	Y	-.005	4

Member Point Loads (BLC 16 : Maintanence (30))

	Member Label	Direction	Magnitude [k,k-ft]	Location [ft,%]
1	MP ALPHA1	Y	-.007	6.167
2	MP ALPHA1	Y	-.007	1.833
3	MP ALPHA1	X	-.004	6.167
4	MP ALPHA1	X	-.004	1.833
5	MP BETA1	Y	-.003	6.167
6	MP BETA1	Y	-.003	1.833
7	MP BETA1	X	-.002	6.167
8	MP BETA1	X	-.002	1.833
9	MP GAMMA1	Y	-.007	6.167
10	MP GAMMA1	Y	-.007	1.833
11	MP GAMMA1	X	-.004	6.167
12	MP GAMMA1	X	-.004	1.833
13	MP ALPHA1	Y	-.003	4
14	MP ALPHA1	X	-.002	4
15	MP BETA1	Y	-.002	4
16	MP BETA1	X	-.001	4
17	MP GAMMA1	Y	-.003	4
18	MP GAMMA1	X	-.002	4
19	MP ALPHA1	Y	-.003	4
20	MP ALPHA1	X	-.002	4
21	MP BETA1	Y	-.002	4
22	MP BETA1	X	-.001	4
23	MP GAMMA1	Y	-.003	4
24	MP GAMMA1	X	-.002	4
25	MP ALPHA1	Y	-.004	4
26	MP ALPHA1	X	-.002	4

Member Point Loads (BLC 17 : Maintanence (60))

	Member Label	Direction	Magnitude [k,k-ft]	Location [ft,%]
1	MP ALPHA1	Y	-.003	6.167
2	MP ALPHA1	Y	-.003	1.833
3	MP ALPHA1	X	-.005	6.167
4	MP ALPHA1	X	-.005	1.833
5	MP BETA1	Y	-.003	6.167
6	MP BETA1	Y	-.003	1.833
7	MP BETA1	X	-.005	6.167
8	MP BETA1	X	-.005	1.833
9	MP GAMMA1	Y	-.005	6.167
10	MP GAMMA1	Y	-.005	1.833
11	MP GAMMA1	X	-.009	6.167
12	MP GAMMA1	X	-.009	1.833
13	MP ALPHA1	Y	-.001	4
14	MP ALPHA1	X	-.002	4
15	MP BETA1	Y	-.001	4
16	MP BETA1	X	-.002	4

Member Point Loads (BLC 17 : Maintanence (60)) (Continued)

	Member Label	Direction	Magnitude [k,k-ft]	Location [ft,%]
17	MP GAMMA1	Y	-.002	4
18	MP GAMMA1	X	-.004	4
19	MP ALPHA1	Y	-.002	4
20	MP ALPHA1	X	-.003	4
21	MP BETA1	Y	-.002	4
22	MP BETA1	X	-.003	4
23	MP GAMMA1	Y	-.002	4
24	MP GAMMA1	X	-.004	4
25	MP ALPHA1	Y	-.002	4
26	MP ALPHA1	X	-.003	4

Member Point Loads (BLC 18 : Maintanence (90))

	Member Label	Direction	Magnitude [k,k-ft]	Location [ft,%]
1	MP ALPHA1	X	-.004	6.167
2	MP ALPHA1	X	-.004	1.833
3	MP BETA1	X	-.009	6.167
4	MP BETA1	X	-.009	1.833
5	MP GAMMA1	X	-.009	6.167
6	MP GAMMA1	X	-.009	1.833
7	MP ALPHA1	X	-.002	4
8	MP BETA1	X	-.004	4
9	MP GAMMA1	X	-.004	4
10	MP ALPHA1	X	-.003	4
11	MP BETA1	X	-.004	4
12	MP GAMMA1	X	-.004	4
13	MP ALPHA1	X	-.003	4

Member Point Loads (BLC 19 : Maintanence (120))

	Member Label	Direction	Magnitude [k,k-ft]	Location [ft,%]
1	MP ALPHA1	Y	.003	6.167
2	MP ALPHA1	Y	.003	1.833
3	MP ALPHA1	X	-.005	6.167
4	MP ALPHA1	X	-.005	1.833
5	MP BETA1	Y	.005	6.167
6	MP BETA1	Y	.005	1.833
7	MP BETA1	X	-.009	6.167
8	MP BETA1	X	-.009	1.833
9	MP GAMMA1	Y	.003	6.167
10	MP GAMMA1	Y	.003	1.833
11	MP GAMMA1	X	-.005	6.167
12	MP GAMMA1	X	-.005	1.833
13	MP ALPHA1	Y	.001	4
14	MP ALPHA1	X	-.002	4
15	MP BETA1	Y	.002	4
16	MP BETA1	X	-.004	4
17	MP GAMMA1	Y	.001	4
18	MP GAMMA1	X	-.002	4
19	MP ALPHA1	Y	.002	4
20	MP ALPHA1	X	-.003	4
21	MP BETA1	Y	.002	4
22	MP BETA1	X	-.004	4

Member Point Loads (BLC 19 : Maintanence (120)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
23	MP GAMMA1	Y	.002	4
24	MP GAMMA1	X	-.003	4
25	MP ALPHA1	Y	.002	4
26	MP ALPHA1	X	-.003	4

Member Point Loads (BLC 20 : Maintanence (150))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.007	6.167
2	MP ALPHA1	Y	.007	1.833
3	MP ALPHA1	X	-.004	6.167
4	MP ALPHA1	X	-.004	1.833
5	MP BETA1	Y	.007	6.167
6	MP BETA1	Y	.007	1.833
7	MP BETA1	X	-.004	6.167
8	MP BETA1	X	-.004	1.833
9	MP GAMMA1	Y	.003	6.167
10	MP GAMMA1	Y	.003	1.833
11	MP GAMMA1	X	-.002	6.167
12	MP GAMMA1	X	-.002	1.833
13	MP ALPHA1	Y	.003	4
14	MP ALPHA1	X	-.002	4
15	MP BETA1	Y	.003	4
16	MP BETA1	X	-.002	4
17	MP GAMMA1	Y	.002	4
18	MP GAMMA1	X	-.001	4
19	MP ALPHA1	Y	.003	4
20	MP ALPHA1	X	-.002	4
21	MP BETA1	Y	.003	4
22	MP BETA1	X	-.002	4
23	MP GAMMA1	Y	.002	4
24	MP GAMMA1	X	-.001	4
25	MP ALPHA1	Y	.004	4
26	MP ALPHA1	X	-.002	4

Member Point Loads (BLC 21 : Maintanence (180))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.01	6.167
2	MP ALPHA1	Y	.01	1.833
3	MP BETA1	Y	.006	6.167
4	MP BETA1	Y	.006	1.833
5	MP GAMMA1	Y	.006	6.167
6	MP GAMMA1	Y	.006	1.833
7	MP ALPHA1	Y	.004	4
8	MP BETA1	Y	.003	4
9	MP GAMMA1	Y	.003	4
10	MP ALPHA1	Y	.004	4
11	MP BETA1	Y	.003	4
12	MP GAMMA1	Y	.003	4
13	MP ALPHA1	Y	.005	4

Member Point Loads (BLC 22 : Maintanence (210))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.007	6.167
2	MP ALPHA1	Y	.007	1.833
3	MP ALPHA1	X	.004	6.167
4	MP ALPHA1	X	.004	1.833
5	MP BETA1	Y	.003	6.167
6	MP BETA1	Y	.003	1.833
7	MP BETA1	X	.002	6.167
8	MP BETA1	X	.002	1.833
9	MP GAMMA1	Y	.007	6.167
10	MP GAMMA1	Y	.007	1.833
11	MP GAMMA1	X	.004	6.167
12	MP GAMMA1	X	.004	1.833
13	MP ALPHA1	Y	.003	4
14	MP ALPHA1	X	.002	4
15	MP BETA1	Y	.002	4
16	MP BETA1	X	.001	4
17	MP GAMMA1	Y	.003	4
18	MP GAMMA1	X	.002	4
19	MP ALPHA1	Y	.003	4
20	MP ALPHA1	X	.002	4
21	MP BETA1	Y	.002	4
22	MP BETA1	X	.001	4
23	MP GAMMA1	Y	.003	4
24	MP GAMMA1	X	.002	4
25	MP ALPHA1	Y	.004	4
26	MP ALPHA1	X	.002	4

Member Point Loads (BLC 23 : Maintanence (240))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.003	6.167
2	MP ALPHA1	Y	.003	1.833
3	MP ALPHA1	X	.005	6.167
4	MP ALPHA1	X	.005	1.833
5	MP BETA1	Y	.003	6.167
6	MP BETA1	Y	.003	1.833
7	MP BETA1	X	.005	6.167
8	MP BETA1	X	.005	1.833
9	MP GAMMA1	Y	.005	6.167
10	MP GAMMA1	Y	.005	1.833
11	MP GAMMA1	X	.009	6.167
12	MP GAMMA1	X	.009	1.833
13	MP ALPHA1	Y	.001	4
14	MP ALPHA1	X	.002	4
15	MP BETA1	Y	.001	4
16	MP BETA1	X	.002	4
17	MP GAMMA1	Y	.002	4
18	MP GAMMA1	X	.004	4
19	MP ALPHA1	Y	.002	4
20	MP ALPHA1	X	.003	4
21	MP BETA1	Y	.002	4
22	MP BETA1	X	.003	4

Member Point Loads (BLC 23 : Maintanence (240)) (Continued)

	Member Label	Direction	Magnitude [k,k-ft]	Location [ft,%]
23	MP GAMMA1	Y	.002	4
24	MP GAMMA1	X	.004	4
25	MP ALPHA1	Y	.002	4
26	MP ALPHA1	X	.003	4

Member Point Loads (BLC 24 : Maintanence (270))

	Member Label	Direction	Magnitude [k,k-ft]	Location [ft,%]
1	MP ALPHA1	X	.004	6.167
2	MP ALPHA1	X	.004	1.833
3	MP BETA1	X	.009	6.167
4	MP BETA1	X	.009	1.833
5	MP GAMMA1	X	.009	6.167
6	MP GAMMA1	X	.009	1.833
7	MP ALPHA1	X	.002	4
8	MP BETA1	X	.004	4
9	MP GAMMA1	X	.004	4
10	MP ALPHA1	X	.003	4
11	MP BETA1	X	.004	4
12	MP GAMMA1	X	.004	4
13	MP ALPHA1	X	.003	4

Member Point Loads (BLC 25 : Maintanence (300))

	Member Label	Direction	Magnitude [k,k-ft]	Location [ft,%]
1	MP ALPHA1	Y	-.003	6.167
2	MP ALPHA1	Y	-.003	1.833
3	MP ALPHA1	X	.005	6.167
4	MP ALPHA1	X	.005	1.833
5	MP BETA1	Y	-.005	6.167
6	MP BETA1	Y	-.005	1.833
7	MP BETA1	X	.009	6.167
8	MP BETA1	X	.009	1.833
9	MP GAMMA1	Y	-.003	6.167
10	MP GAMMA1	Y	-.003	1.833
11	MP GAMMA1	X	.005	6.167
12	MP GAMMA1	X	.005	1.833
13	MP ALPHA1	Y	-.001	4
14	MP ALPHA1	X	.002	4
15	MP BETA1	Y	-.002	4
16	MP BETA1	X	.004	4
17	MP GAMMA1	Y	-.001	4
18	MP GAMMA1	X	.002	4
19	MP ALPHA1	Y	-.002	4
20	MP ALPHA1	X	.003	4
21	MP BETA1	Y	-.002	4
22	MP BETA1	X	.004	4
23	MP GAMMA1	Y	-.002	4
24	MP GAMMA1	X	.003	4
25	MP ALPHA1	Y	-.002	4
26	MP ALPHA1	X	.003	4

Member Point Loads (BLC 26 : Maintanence (330))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.007	6.167
2	MP ALPHA1	Y	-.007	1.833
3	MP ALPHA1	X	.004	6.167
4	MP ALPHA1	X	.004	1.833
5	MP BETA1	Y	-.007	6.167
6	MP BETA1	Y	-.007	1.833
7	MP BETA1	X	.004	6.167
8	MP BETA1	X	.004	1.833
9	MP GAMMA1	Y	-.003	6.167
10	MP GAMMA1	Y	-.003	1.833
11	MP GAMMA1	X	.002	6.167
12	MP GAMMA1	X	.002	1.833
13	MP ALPHA1	Y	-.003	4
14	MP ALPHA1	X	.002	4
15	MP BETA1	Y	-.003	4
16	MP BETA1	X	.002	4
17	MP GAMMA1	Y	-.002	4
18	MP GAMMA1	X	.001	4
19	MP ALPHA1	Y	-.003	4
20	MP ALPHA1	X	.002	4
21	MP BETA1	Y	-.003	4
22	MP BETA1	X	.002	4
23	MP GAMMA1	Y	-.002	4
24	MP GAMMA1	X	.001	4
25	MP ALPHA1	Y	-.004	4
26	MP ALPHA1	X	.002	4

Member Point Loads (BLC 27 : Ice Dead Load)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.083	6.167
2	MP ALPHA1	Z	-.083	1.833
3	MP BETA1	Z	-.083	6.167
4	MP BETA1	Z	-.083	1.833
5	MP GAMMA1	Z	-.083	6.167
6	MP GAMMA1	Z	-.083	1.833
7	MP ALPHA1	Z	-.039	4
8	MP BETA1	Z	-.039	4
9	MP GAMMA1	Z	-.039	4
10	MP ALPHA1	Z	-.042	4
11	MP BETA1	Z	-.042	4
12	MP GAMMA1	Z	-.042	4
13	MP ALPHA1	Z	-.041	4

Member Point Loads (BLC 28 : Ice Wind Load (0))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.029	6.167
2	MP ALPHA1	Y	-.029	1.833
3	MP BETA1	Y	-.017	6.167
4	MP BETA1	Y	-.017	1.833
5	MP GAMMA1	Y	-.017	6.167
6	MP GAMMA1	Y	-.017	1.833

Member Point Loads (BLC 28 : Ice Wind Load (0)) (Continued)

	Member Label	Direction	Magnitude [k,k-ft]	Location [ft,%]
7	MP ALPHA1	Y	-.009	4
8	MP BETA1	Y	-.006	4
9	MP GAMMA1	Y	-.006	4
10	MP ALPHA1	Y	-.009	4
11	MP BETA1	Y	-.007	4
12	MP GAMMA1	Y	-.007	4
13	MP ALPHA1	Y	-.01	4

Member Point Loads (BLC 29 : Ice Wind Load (30))

	Member Label	Direction	Magnitude [k,k-ft]	Location [ft,%]
1	MP ALPHA1	Y	-.021	6.167
2	MP ALPHA1	Y	-.021	1.833
3	MP ALPHA1	X	-.012	6.167
4	MP ALPHA1	X	-.012	1.833
5	MP BETA1	Y	-.011	6.167
6	MP BETA1	Y	-.011	1.833
7	MP BETA1	X	-.007	6.167
8	MP BETA1	X	-.007	1.833
9	MP GAMMA1	Y	-.021	6.167
10	MP GAMMA1	Y	-.021	1.833
11	MP GAMMA1	X	-.012	6.167
12	MP GAMMA1	X	-.012	1.833
13	MP ALPHA1	Y	-.007	4
14	MP ALPHA1	X	-.004	4
15	MP BETA1	Y	-.005	4
16	MP BETA1	X	-.003	4
17	MP GAMMA1	Y	-.007	4
18	MP GAMMA1	X	-.004	4
19	MP ALPHA1	Y	-.007	4
20	MP ALPHA1	X	-.004	4
21	MP BETA1	Y	-.005	4
22	MP BETA1	X	-.003	4
23	MP GAMMA1	Y	-.007	4
24	MP GAMMA1	X	-.004	4
25	MP ALPHA1	Y	-.008	4
26	MP ALPHA1	X	-.004	4

Member Point Loads (BLC 30 : Ice Wind Load (60))

	Member Label	Direction	Magnitude [k,k-ft]	Location [ft,%]
1	MP ALPHA1	Y	-.009	6.167
2	MP ALPHA1	Y	-.009	1.833
3	MP ALPHA1	X	-.015	6.167
4	MP ALPHA1	X	-.015	1.833
5	MP BETA1	Y	-.009	6.167
6	MP BETA1	Y	-.009	1.833
7	MP BETA1	X	-.015	6.167
8	MP BETA1	X	-.015	1.833
9	MP GAMMA1	Y	-.014	6.167
10	MP GAMMA1	Y	-.014	1.833
11	MP GAMMA1	X	-.025	6.167
12	MP GAMMA1	X	-.025	1.833

Member Point Loads (BLC 30 : Ice Wind Load (60)) (Continued)

	Member Label	Direction	Magnitude [k,k-ft]	Location [ft,%]
13	MP ALPHA1	Y	-.003	4
14	MP ALPHA1	X	-.005	4
15	MP BETA1	Y	-.003	4
16	MP BETA1	X	-.005	4
17	MP GAMMA1	Y	-.005	4
18	MP GAMMA1	X	-.008	4
19	MP ALPHA1	Y	-.003	4
20	MP ALPHA1	X	-.006	4
21	MP BETA1	Y	-.003	4
22	MP BETA1	X	-.006	4
23	MP GAMMA1	Y	-.005	4
24	MP GAMMA1	X	-.008	4
25	MP ALPHA1	Y	-.003	4
26	MP ALPHA1	X	-.006	4

Member Point Loads (BLC 31 : Ice Wind Load (90))

	Member Label	Direction	Magnitude [k,k-ft]	Location [ft,%]
1	MP ALPHA1	X	-.013	6.167
2	MP ALPHA1	X	-.013	1.833
3	MP BETA1	X	-.025	6.167
4	MP BETA1	X	-.025	1.833
5	MP GAMMA1	X	-.025	6.167
6	MP GAMMA1	X	-.025	1.833
7	MP ALPHA1	X	-.005	4
8	MP BETA1	X	-.008	4
9	MP GAMMA1	X	-.008	4
10	MP ALPHA1	X	-.006	4
11	MP BETA1	X	-.008	4
12	MP GAMMA1	X	-.008	4
13	MP ALPHA1	X	-.006	4

Member Point Loads (BLC 32 : Ice Wind Load (120))

	Member Label	Direction	Magnitude [k,k-ft]	Location [ft,%]
1	MP ALPHA1	Y	.009	6.167
2	MP ALPHA1	Y	.009	1.833
3	MP ALPHA1	X	-.015	6.167
4	MP ALPHA1	X	-.015	1.833
5	MP BETA1	Y	.014	6.167
6	MP BETA1	Y	.014	1.833
7	MP BETA1	X	-.025	6.167
8	MP BETA1	X	-.025	1.833
9	MP GAMMA1	Y	.009	6.167
10	MP GAMMA1	Y	.009	1.833
11	MP GAMMA1	X	-.015	6.167
12	MP GAMMA1	X	-.015	1.833
13	MP ALPHA1	Y	.003	4
14	MP ALPHA1	X	-.005	4
15	MP BETA1	Y	.005	4
16	MP BETA1	X	-.008	4
17	MP GAMMA1	Y	.003	4
18	MP GAMMA1	X	-.005	4

Member Point Loads (BLC 32 : Ice Wind Load (120)) (Continued)

	Member Label	Direction	Magnitude [k,k-ft]	Location [ft,%]
19	MP ALPHA1	Y	.003	4
20	MP ALPHA1	X	-.006	4
21	MP BETA1	Y	.005	4
22	MP BETA1	X	-.008	4
23	MP GAMMA1	Y	.003	4
24	MP GAMMA1	X	-.006	4
25	MP ALPHA1	Y	.003	4
26	MP ALPHA1	X	-.006	4

Member Point Loads (BLC 33 : Ice Wind Load (150))

	Member Label	Direction	Magnitude [k,k-ft]	Location [ft,%]
1	MP ALPHA1	Y	.021	6.167
2	MP ALPHA1	Y	.021	1.833
3	MP ALPHA1	X	-.012	6.167
4	MP ALPHA1	X	-.012	1.833
5	MP BETA1	Y	.021	6.167
6	MP BETA1	Y	.021	1.833
7	MP BETA1	X	-.012	6.167
8	MP BETA1	X	-.012	1.833
9	MP GAMMA1	Y	.011	6.167
10	MP GAMMA1	Y	.011	1.833
11	MP GAMMA1	X	-.007	6.167
12	MP GAMMA1	X	-.007	1.833
13	MP ALPHA1	Y	.007	4
14	MP ALPHA1	X	-.004	4
15	MP BETA1	Y	.007	4
16	MP BETA1	X	-.004	4
17	MP GAMMA1	Y	.005	4
18	MP GAMMA1	X	-.003	4
19	MP ALPHA1	Y	.007	4
20	MP ALPHA1	X	-.004	4
21	MP BETA1	Y	.007	4
22	MP BETA1	X	-.004	4
23	MP GAMMA1	Y	.005	4
24	MP GAMMA1	X	-.003	4
25	MP ALPHA1	Y	.008	4
26	MP ALPHA1	X	-.004	4

Member Point Loads (BLC 34 : Ice Wind Load (180))

	Member Label	Direction	Magnitude [k,k-ft]	Location [ft,%]
1	MP ALPHA1	Y	.029	6.167
2	MP ALPHA1	Y	.029	1.833
3	MP BETA1	Y	.017	6.167
4	MP BETA1	Y	.017	1.833
5	MP GAMMA1	Y	.017	6.167
6	MP GAMMA1	Y	.017	1.833
7	MP ALPHA1	Y	.009	4
8	MP BETA1	Y	.006	4
9	MP GAMMA1	Y	.006	4
10	MP ALPHA1	Y	.009	4
11	MP BETA1	Y	.007	4

Member Point Loads (BLC 34 : Ice Wind Load (180)) (Continued)

	Member Label	Direction	Magnitude [k,k-ft]	Location [ft,%]
12	MP GAMMA1	Y	.007	4
13	MP ALPHA1	Y	.01	4

Member Point Loads (BLC 35 : Ice Wind Load (210))

	Member Label	Direction	Magnitude [k,k-ft]	Location [ft,%]
1	MP ALPHA1	Y	.021	6.167
2	MP ALPHA1	Y	.021	1.833
3	MP ALPHA1	X	.012	6.167
4	MP ALPHA1	X	.012	1.833
5	MP BETA1	Y	.011	6.167
6	MP BETA1	Y	.011	1.833
7	MP BETA1	X	.007	6.167
8	MP BETA1	X	.007	1.833
9	MP GAMMA1	Y	.021	6.167
10	MP GAMMA1	Y	.021	1.833
11	MP GAMMA1	X	.012	6.167
12	MP GAMMA1	X	.012	1.833
13	MP ALPHA1	Y	.007	4
14	MP ALPHA1	X	.004	4
15	MP BETA1	Y	.005	4
16	MP BETA1	X	.003	4
17	MP GAMMA1	Y	.007	4
18	MP GAMMA1	X	.004	4
19	MP ALPHA1	Y	.007	4
20	MP ALPHA1	X	.004	4
21	MP BETA1	Y	.005	4
22	MP BETA1	X	.003	4
23	MP GAMMA1	Y	.007	4
24	MP GAMMA1	X	.004	4
25	MP ALPHA1	Y	.008	4
26	MP ALPHA1	X	.004	4

Member Point Loads (BLC 36 : Ice Wind Load (240))

	Member Label	Direction	Magnitude [k,k-ft]	Location [ft,%]
1	MP ALPHA1	Y	.009	6.167
2	MP ALPHA1	Y	.009	1.833
3	MP ALPHA1	X	.015	6.167
4	MP ALPHA1	X	.015	1.833
5	MP BETA1	Y	.009	6.167
6	MP BETA1	Y	.009	1.833
7	MP BETA1	X	.015	6.167
8	MP BETA1	X	.015	1.833
9	MP GAMMA1	Y	.014	6.167
10	MP GAMMA1	Y	.014	1.833
11	MP GAMMA1	X	.025	6.167
12	MP GAMMA1	X	.025	1.833
13	MP ALPHA1	Y	.003	4
14	MP ALPHA1	X	.005	4
15	MP BETA1	Y	.003	4
16	MP BETA1	X	.005	4
17	MP GAMMA1	Y	.005	4

Member Point Loads (BLC 36 : Ice Wind Load (240)) (Continued)

	Member Label	Direction	Magnitude [k,k-ft]	Location [ft,%]
18	MP GAMMA1	X	.008	4
19	MP ALPHA1	Y	.003	4
20	MP ALPHA1	X	.006	4
21	MP BETA1	Y	.003	4
22	MP BETA1	X	.006	4
23	MP GAMMA1	Y	.005	4
24	MP GAMMA1	X	.008	4
25	MP ALPHA1	Y	.003	4
26	MP ALPHA1	X	.006	4

Member Point Loads (BLC 37 : Ice Wind Load (270))

	Member Label	Direction	Magnitude [k,k-ft]	Location [ft,%]
1	MP ALPHA1	X	.013	6.167
2	MP ALPHA1	X	.013	1.833
3	MP BETA1	X	.025	6.167
4	MP BETA1	X	.025	1.833
5	MP GAMMA1	X	.025	6.167
6	MP GAMMA1	X	.025	1.833
7	MP ALPHA1	X	.005	4
8	MP BETA1	X	.008	4
9	MP GAMMA1	X	.008	4
10	MP ALPHA1	X	.006	4
11	MP BETA1	X	.008	4
12	MP GAMMA1	X	.008	4
13	MP ALPHA1	X	.006	4

Member Point Loads (BLC 38 : Ice Wind Load (300))

	Member Label	Direction	Magnitude [k,k-ft]	Location [ft,%]
1	MP ALPHA1	Y	-.009	6.167
2	MP ALPHA1	Y	-.009	1.833
3	MP ALPHA1	X	.015	6.167
4	MP ALPHA1	X	.015	1.833
5	MP BETA1	Y	-.014	6.167
6	MP BETA1	Y	-.014	1.833
7	MP BETA1	X	.025	6.167
8	MP BETA1	X	.025	1.833
9	MP GAMMA1	Y	-.009	6.167
10	MP GAMMA1	Y	-.009	1.833
11	MP GAMMA1	X	.015	6.167
12	MP GAMMA1	X	.015	1.833
13	MP ALPHA1	Y	-.003	4
14	MP ALPHA1	X	.005	4
15	MP BETA1	Y	-.005	4
16	MP BETA1	X	.008	4
17	MP GAMMA1	Y	-.003	4
18	MP GAMMA1	X	.005	4
19	MP ALPHA1	Y	-.003	4
20	MP ALPHA1	X	.006	4
21	MP BETA1	Y	-.005	4
22	MP BETA1	X	.008	4
23	MP GAMMA1	Y	-.003	4

Member Point Loads (BLC 38 : Ice Wind Load (300)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
24	MP GAMMA1	X	.006	4
25	MP ALPHA1	Y	-.003	4
26	MP ALPHA1	X	.006	4

Member Point Loads (BLC 39 : Ice Wind Load (330))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.021	6.167
2	MP ALPHA1	Y	-.021	1.833
3	MP ALPHA1	X	.012	6.167
4	MP ALPHA1	X	.012	1.833
5	MP BETA1	Y	-.021	6.167
6	MP BETA1	Y	-.021	1.833
7	MP BETA1	X	.012	6.167
8	MP BETA1	X	.012	1.833
9	MP GAMMA1	Y	-.011	6.167
10	MP GAMMA1	Y	-.011	1.833
11	MP GAMMA1	X	.007	6.167
12	MP GAMMA1	X	.007	1.833
13	MP ALPHA1	Y	-.007	4
14	MP ALPHA1	X	.004	4
15	MP BETA1	Y	-.007	4
16	MP BETA1	X	.004	4
17	MP GAMMA1	Y	-.005	4
18	MP GAMMA1	X	.003	4
19	MP ALPHA1	Y	-.007	4
20	MP ALPHA1	X	.004	4
21	MP BETA1	Y	-.007	4
22	MP BETA1	X	.004	4
23	MP GAMMA1	Y	-.005	4
24	MP GAMMA1	X	.003	4
25	MP ALPHA1	Y	-.008	4
26	MP ALPHA1	X	.004	4

Member Point Loads (BLC 40 : Earthquake (x-direction))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	-.004	6.167
2	MP ALPHA1	X	-.004	1.833
3	MP BETA1	X	-.004	6.167
4	MP BETA1	X	-.004	1.833
5	MP GAMMA1	X	-.004	6.167
6	MP GAMMA1	X	-.004	1.833
7	MP ALPHA1	X	-.006	4
8	MP BETA1	X	-.006	4
9	MP GAMMA1	X	-.006	4
10	MP ALPHA1	X	-.008	4
11	MP BETA1	X	-.008	4
12	MP GAMMA1	X	-.008	4
13	MP ALPHA1	X	-.002	4

Member Point Loads (BLC 41 : Earthquake (y-direction))

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

Member Point Loads (BLC 41 : Earthquake (y-direction)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.004	6.167
2	MP ALPHA1	Y	-.004	1.833
3	MP BETA1	Y	-.004	6.167
4	MP BETA1	Y	-.004	1.833
5	MP GAMMA1	Y	-.004	6.167
6	MP GAMMA1	Y	-.004	1.833
7	MP ALPHA1	Y	-.006	4
8	MP BETA1	Y	-.006	4
9	MP GAMMA1	Y	-.006	4
10	MP ALPHA1	Y	-.008	4
11	MP BETA1	Y	-.008	4
12	MP GAMMA1	Y	-.008	4
13	MP ALPHA1	Y	-.002	4

Member Point Loads (BLC 42 : Earthquake (z-direction))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.002	6.167
2	MP ALPHA1	Z	-.002	1.833
3	MP BETA1	Z	-.002	6.167
4	MP BETA1	Z	-.002	1.833
5	MP GAMMA1	Z	-.002	6.167
6	MP GAMMA1	Z	-.002	1.833
7	MP ALPHA1	Z	-.003	4
8	MP BETA1	Z	-.003	4
9	MP GAMMA1	Z	-.003	4
10	MP ALPHA1	Z	-.003	4
11	MP BETA1	Z	-.003	4
12	MP GAMMA1	Z	-.003	4
13	MP ALPHA1	Z	-.000886	4

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SO3	PY	-.007	-.007	0	0
2	SO2	PY	-.007	-.007	0	0
3	SO1	PY	-.007	-.007	0	0
4	RPL3	PY	-.013	-.013	0	0
5	RPL2	PY	-.013	-.013	0	0
6	RPL1	PY	-.013	-.013	0	0
7	RAIL3	PY	-.006	-.006	0	0
8	RAIL2	PY	-.006	-.006	0	0
9	RAIL1	PY	-.003	-.003	0	0
10	PL18	PY	-.001	-.001	0	0
11	PL17	PY	-.001	-.001	0	0
12	PL16	PY	-.001	-.001	0	0
13	PL15	PY	-.001	-.001	0	0
14	PL14	PY	-.001	-.001	0	0
15	PL13	PY	-.001	-.001	0	0
16	PL12	PY	-.001	-.001	0	0
17	PL11	PY	-.001	-.001	0	0
18	PL10	PY	-.001	-.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	PL9	PY	-.001	-.001	0	0
20	PL8	PY	-.001	-.001	0	0
21	PL7	PY	-.001	-.001	0	0
22	PL6	PY	-.001	-.001	0	0
23	PL5	PY	-.001	-.001	0	0
24	PL4	PY	-.001	-.001	0	0
25	PL3	PY	-.001	-.001	0	0
26	PL2	PY	-.001	-.001	0	0
27	PL1	PY	-.001	-.001	0	0
28	MP GAMMA3	PY	-.01	-.01	0	0
29	MP GAMMA2	PY	-.01	-.01	0	0
30	MP GAMMA1	PY	-.01	-.01	0	0
31	MP BETA3	PY	-.01	-.01	0	0
32	MP BETA2	PY	-.01	-.01	0	0
33	MP BETA1	PY	-.01	-.01	0	0
34	MP ALPHA3	PY	-.01	-.01	0	0
35	MP ALPHA2	PY	-.01	-.01	0	0
36	MP ALPHA1	PY	-.01	-.01	0	0
37	FACE3	PY	-.008	-.008	0	0
38	FACE2	PY	-.008	-.008	0	0
39	FACE1	PY	-.004	-.004	0	0
40	CR6	PY	-.01	-.01	0	0
41	CR5	PY	-.01	-.01	0	0
42	CPL3	PY	-.001	-.001	0	0
43	CPL2	PY	-.001	-.001	0	0
44	CPL1	PY	-.001	-.001	0	0
45	ANGLE6	PY	-.006	-.006	0	0
46	ANGLE5	PY	-.006	-.006	0	0
47	ANGLE4	PY	-.006	-.006	0	0
48	ANGLE3	PY	-.006	-.006	0	0
49	ANGLE2	PY	-.006	-.006	0	0
50	ANGLE1	PY	-.006	-.006	0	0
51	CR4	PY	-.01	-.01	0	0
52	CR3	PY	-.01	-.01	0	0
53	CR2	PY	-.01	-.01	0	0
54	CR1	PY	-.01	-.01	0	0

Member Distributed Loads (BLC 4 : Wind Load (30))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SO3	PY	-.006	-.006	0	0
2	SO2	PY	-.006	-.006	0	0
3	SO1	PY	-.006	-.006	0	0
4	RPL3	PY	-.012	-.012	0	0
5	RPL2	PY	-.012	-.012	0	0
6	RPL1	PY	-.012	-.012	0	0
7	RAIL3	PY	-.005	-.005	0	0
8	RAIL2	PY	-.005	-.005	0	0
9	RAIL1	PY	-.003	-.003	0	0
10	PL18	PY	-.000963	-.000963	0	0
11	PL17	PY	-.000963	-.000963	0	0
12	PL16	PY	-.000963	-.000963	0	0

Member Distributed Loads (BLC 4 : Wind Load (30)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	PL15	PY	-.000963	-.000963	0	0
14	PL14	PY	-.000963	-.000963	0	0
15	PL13	PY	-.000963	-.000963	0	0
16	PL12	PY	-.000963	-.000963	0	0
17	PL11	PY	-.000963	-.000963	0	0
18	PL10	PY	-.000963	-.000963	0	0
19	PL9	PY	-.000963	-.000963	0	0
20	PL8	PY	-.000963	-.000963	0	0
21	PL7	PY	-.000963	-.000963	0	0
22	PL6	PY	-.000963	-.000963	0	0
23	PL5	PY	-.000963	-.000963	0	0
24	PL4	PY	-.000963	-.000963	0	0
25	PL3	PY	-.000963	-.000963	0	0
26	PL2	PY	-.000963	-.000963	0	0
27	PL1	PY	-.000963	-.000963	0	0
28	MP GAMMA3	PY	-.009	-.009	0	0
29	MP GAMMA2	PY	-.009	-.009	0	0
30	MP GAMMA1	PY	-.009	-.009	0	0
31	MP BETA3	PY	-.009	-.009	0	0
32	MP BETA2	PY	-.009	-.009	0	0
33	MP BETA1	PY	-.009	-.009	0	0
34	MP ALPHA3	PY	-.009	-.009	0	0
35	MP ALPHA2	PY	-.009	-.009	0	0
36	MP ALPHA1	PY	-.009	-.009	0	0
37	FACE3	PY	-.007	-.007	0	0
38	FACE2	PY	-.007	-.007	0	0
39	FACE1	PY	-.004	-.004	0	0
40	CR6	PY	-.009	-.009	0	0
41	CR5	PY	-.009	-.009	0	0
42	CPL3	PY	-.000963	-.000963	0	0
43	CPL2	PY	-.000963	-.000963	0	0
44	CPL1	PY	-.000963	-.000963	0	0
45	ANGLE6	PY	-.005	-.005	0	0
46	ANGLE5	PY	-.005	-.005	0	0
47	ANGLE4	PY	-.005	-.005	0	0
48	ANGLE3	PY	-.005	-.005	0	0
49	ANGLE2	PY	-.005	-.005	0	0
50	ANGLE1	PY	-.005	-.005	0	0
51	SO3	PX	-.004	-.004	0	0
52	SO2	PX	-.004	-.004	0	0
53	SO1	PX	-.004	-.004	0	0
54	RPL3	PX	-.007	-.007	0	0
55	RPL2	PX	-.007	-.007	0	0
56	RPL1	PX	-.007	-.007	0	0
57	RAIL3	PX	-.003	-.003	0	0
58	RAIL2	PX	-.003	-.003	0	0
59	RAIL1	PX	-.002	-.002	0	0
60	PL18	PX	-.000556	-.000556	0	0
61	PL17	PX	-.000556	-.000556	0	0
62	PL16	PX	-.000556	-.000556	0	0
63	PL15	PX	-.000556	-.000556	0	0
64	PL14	PX	-.000556	-.000556	0	0

Member Distributed Loads (BLC 4 : Wind Load (30)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
65	PL13	PX	-.000556	-.000556	0	0
66	PL12	PX	-.000556	-.000556	0	0
67	PL11	PX	-.000556	-.000556	0	0
68	PL10	PX	-.000556	-.000556	0	0
69	PL9	PX	-.000556	-.000556	0	0
70	PL8	PX	-.000556	-.000556	0	0
71	PL7	PX	-.000556	-.000556	0	0
72	PL6	PX	-.000556	-.000556	0	0
73	PL5	PX	-.000556	-.000556	0	0
74	PL4	PX	-.000556	-.000556	0	0
75	PL3	PX	-.000556	-.000556	0	0
76	PL2	PX	-.000556	-.000556	0	0
77	PL1	PX	-.000556	-.000556	0	0
78	MP GAMMA3	PX	-.005	-.005	0	0
79	MP GAMMA2	PX	-.005	-.005	0	0
80	MP GAMMA1	PX	-.005	-.005	0	0
81	MP BETA3	PX	-.005	-.005	0	0
82	MP BETA2	PX	-.005	-.005	0	0
83	MP BETA1	PX	-.005	-.005	0	0
84	MP ALPHA3	PX	-.005	-.005	0	0
85	MP ALPHA2	PX	-.005	-.005	0	0
86	MP ALPHA1	PX	-.005	-.005	0	0
87	FACE3	PX	-.004	-.004	0	0
88	FACE2	PX	-.004	-.004	0	0
89	FACE1	PX	-.002	-.002	0	0
90	CR6	PX	-.005	-.005	0	0
91	CR5	PX	-.005	-.005	0	0
92	CPL3	PX	-.000556	-.000556	0	0
93	CPL2	PX	-.000556	-.000556	0	0
94	CPL1	PX	-.000556	-.000556	0	0
95	ANGLE6	PX	-.003	-.003	0	0
96	ANGLE5	PX	-.003	-.003	0	0
97	ANGLE4	PX	-.003	-.003	0	0
98	ANGLE3	PX	-.003	-.003	0	0
99	ANGLE2	PX	-.003	-.003	0	0
100	ANGLE1	PX	-.003	-.003	0	0
101	CR4	PY	-.009	-.009	0	0
102	CR4	PX	-.005	-.005	0	0
103	CR3	PY	-.009	-.009	0	0
104	CR3	PX	-.005	-.005	0	0
105	CR2	PY	-.009	-.009	0	0
106	CR2	PX	-.005	-.005	0	0
107	CR1	PY	-.009	-.009	0	0
108	CR1	PX	-.005	-.005	0	0

Member Distributed Loads (BLC 5 : Wind Load (60))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SO3	PY	-.004	-.004	0	0
2	SO2	PY	-.004	-.004	0	0
3	SO1	PY	-.004	-.004	0	0
4	RPL3	PY	-.007	-.007	0	0

Member Distributed Loads (BLC 5 : Wind Load (60)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
5	RPL2	PY	-.007	-.007	0	0
6	RPL1	PY	-.007	-.007	0	0
7	RAIL3	PY	-.003	-.003	0	0
8	RAIL2	PY	-.003	-.003	0	0
9	RAIL1	PY	-.002	-.002	0	0
10	PL18	PY	-.000556	-.000556	0	0
11	PL17	PY	-.000556	-.000556	0	0
12	PL16	PY	-.000556	-.000556	0	0
13	PL15	PY	-.000556	-.000556	0	0
14	PL14	PY	-.000556	-.000556	0	0
15	PL13	PY	-.000556	-.000556	0	0
16	PL12	PY	-.000556	-.000556	0	0
17	PL11	PY	-.000556	-.000556	0	0
18	PL10	PY	-.000556	-.000556	0	0
19	PL9	PY	-.000556	-.000556	0	0
20	PL8	PY	-.000556	-.000556	0	0
21	PL7	PY	-.000556	-.000556	0	0
22	PL6	PY	-.000556	-.000556	0	0
23	PL5	PY	-.000556	-.000556	0	0
24	PL4	PY	-.000556	-.000556	0	0
25	PL3	PY	-.000556	-.000556	0	0
26	PL2	PY	-.000556	-.000556	0	0
27	PL1	PY	-.000556	-.000556	0	0
28	MP GAMMA3	PY	-.005	-.005	0	0
29	MP GAMMA2	PY	-.005	-.005	0	0
30	MP GAMMA1	PY	-.005	-.005	0	0
31	MP BETA3	PY	-.005	-.005	0	0
32	MP BETA2	PY	-.005	-.005	0	0
33	MP BETA1	PY	-.005	-.005	0	0
34	MP ALPHA3	PY	-.005	-.005	0	0
35	MP ALPHA2	PY	-.005	-.005	0	0
36	MP ALPHA1	PY	-.005	-.005	0	0
37	FACE3	PY	-.004	-.004	0	0
38	FACE2	PY	-.004	-.004	0	0
39	FACE1	PY	-.002	-.002	0	0
40	CR6	PY	-.005	-.005	0	0
41	CR5	PY	-.005	-.005	0	0
42	CPL3	PY	-.000556	-.000556	0	0
43	CPL2	PY	-.000556	-.000556	0	0
44	CPL1	PY	-.000556	-.000556	0	0
45	ANGLE6	PY	-.003	-.003	0	0
46	ANGLE5	PY	-.003	-.003	0	0
47	ANGLE4	PY	-.003	-.003	0	0
48	ANGLE3	PY	-.003	-.003	0	0
49	ANGLE2	PY	-.003	-.003	0	0
50	ANGLE1	PY	-.003	-.003	0	0
51	SO3	PX	-.006	-.006	0	0
52	SO2	PX	-.006	-.006	0	0
53	SO1	PX	-.006	-.006	0	0
54	RPL3	PX	-.012	-.012	0	0
55	RPL2	PX	-.012	-.012	0	0
56	RPL1	PX	-.012	-.012	0	0

Member Distributed Loads (BLC 5 : Wind Load (60)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
57	RAIL3	PX	-.005	-.005	0	0
58	RAIL2	PX	-.005	-.005	0	0
59	RAIL1	PX	-.003	-.003	0	0
60	PL18	PX	-.000963	-.000963	0	0
61	PL17	PX	-.000963	-.000963	0	0
62	PL16	PX	-.000963	-.000963	0	0
63	PL15	PX	-.000963	-.000963	0	0
64	PL14	PX	-.000963	-.000963	0	0
65	PL13	PX	-.000963	-.000963	0	0
66	PL12	PX	-.000963	-.000963	0	0
67	PL11	PX	-.000963	-.000963	0	0
68	PL10	PX	-.000963	-.000963	0	0
69	PL9	PX	-.000963	-.000963	0	0
70	PL8	PX	-.000963	-.000963	0	0
71	PL7	PX	-.000963	-.000963	0	0
72	PL6	PX	-.000963	-.000963	0	0
73	PL5	PX	-.000963	-.000963	0	0
74	PL4	PX	-.000963	-.000963	0	0
75	PL3	PX	-.000963	-.000963	0	0
76	PL2	PX	-.000963	-.000963	0	0
77	PL1	PX	-.000963	-.000963	0	0
78	MP GAMMA3	PX	-.009	-.009	0	0
79	MP GAMMA2	PX	-.009	-.009	0	0
80	MP GAMMA1	PX	-.009	-.009	0	0
81	MP BETA3	PX	-.009	-.009	0	0
82	MP BETA2	PX	-.009	-.009	0	0
83	MP BETA1	PX	-.009	-.009	0	0
84	MP ALPHA3	PX	-.009	-.009	0	0
85	MP ALPHA2	PX	-.009	-.009	0	0
86	MP ALPHA1	PX	-.009	-.009	0	0
87	FACE3	PX	-.007	-.007	0	0
88	FACE2	PX	-.007	-.007	0	0
89	FACE1	PX	-.004	-.004	0	0
90	CR6	PX	-.009	-.009	0	0
91	CR5	PX	-.009	-.009	0	0
92	CPL3	PX	-.000963	-.000963	0	0
93	CPL2	PX	-.000963	-.000963	0	0
94	CPL1	PX	-.000963	-.000963	0	0
95	ANGLE6	PX	-.005	-.005	0	0
96	ANGLE5	PX	-.005	-.005	0	0
97	ANGLE4	PX	-.005	-.005	0	0
98	ANGLE3	PX	-.005	-.005	0	0
99	ANGLE2	PX	-.005	-.005	0	0
100	ANGLE1	PX	-.005	-.005	0	0
101	CR4	PY	-.005	-.005	0	0
102	CR4	PX	-.009	-.009	0	0
103	CR3	PY	-.005	-.005	0	0
104	CR3	PX	-.009	-.009	0	0
105	CR2	PY	-.005	-.005	0	0
106	CR2	PX	-.009	-.009	0	0
107	CR1	PY	-.005	-.005	0	0
108	CR1	PX	-.009	-.009	0	0

Member Distributed Loads (BLC 6 : Wind Load (90))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SO3	PX	-.007	-.007	0	0
2	SO2	PX	-.007	-.007	0	0
3	SO1	PX	-.007	-.007	0	0
4	RPL3	PX	-.013	-.013	0	0
5	RPL2	PX	-.013	-.013	0	0
6	RPL1	PX	-.013	-.013	0	0
7	RAIL1	PX	-.006	-.006	0	0
8	RAIL3	PX	-.006	-.006	0	0
9	RAIL2	PX	-.003	-.003	0	0
10	PL18	PX	-.001	-.001	0	0
11	PL17	PX	-.001	-.001	0	0
12	PL16	PX	-.001	-.001	0	0
13	PL15	PX	-.001	-.001	0	0
14	PL14	PX	-.001	-.001	0	0
15	PL13	PX	-.001	-.001	0	0
16	PL12	PX	-.001	-.001	0	0
17	PL11	PX	-.001	-.001	0	0
18	PL10	PX	-.001	-.001	0	0
19	PL9	PX	-.001	-.001	0	0
20	PL8	PX	-.001	-.001	0	0
21	PL7	PX	-.001	-.001	0	0
22	PL6	PX	-.001	-.001	0	0
23	PL5	PX	-.001	-.001	0	0
24	PL4	PX	-.001	-.001	0	0
25	PL3	PX	-.001	-.001	0	0
26	PL2	PX	-.001	-.001	0	0
27	PL1	PX	-.001	-.001	0	0
28	MP GAMMA3	PX	-.01	-.01	0	0
29	MP GAMMA2	PX	-.01	-.01	0	0
30	MP GAMMA1	PX	-.01	-.01	0	0
31	MP BETA3	PX	-.01	-.01	0	0
32	MP BETA2	PX	-.01	-.01	0	0
33	MP BETA1	PX	-.01	-.01	0	0
34	MP ALPHA3	PX	-.01	-.01	0	0
35	MP ALPHA2	PX	-.01	-.01	0	0
36	MP ALPHA1	PX	-.01	-.01	0	0
37	FACE3	PX	-.008	-.008	0	0
38	FACE1	PX	-.008	-.008	0	0
39	FACE2	PX	-.004	-.004	0	0
40	CR6	PX	-.01	-.01	0	0
41	CR5	PX	-.01	-.01	0	0
42	CPL3	PX	-.001	-.001	0	0
43	CPL2	PX	-.001	-.001	0	0
44	CPL1	PX	-.001	-.001	0	0
45	ANGLE6	PX	-.006	-.006	0	0
46	ANGLE5	PX	-.006	-.006	0	0
47	ANGLE4	PX	-.006	-.006	0	0
48	ANGLE3	PX	-.006	-.006	0	0
49	ANGLE2	PX	-.006	-.006	0	0
50	ANGLE1	PX	-.006	-.006	0	0
51	CR4	PX	-.01	-.01	0	0
52	CR3	PX	-.01	-.01	0	0

Member Distributed Loads (BLC 6 : Wind Load (90)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	CR2	PX	-.01	-.01	0	0
54	CR1	PX	-.01	-.01	0	0

Member Distributed Loads (BLC 7 : Wind Load (120))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SO3	PY	.004	.004	0	0
2	SO2	PY	.004	.004	0	0
3	SO1	PY	.004	.004	0	0
4	RPL3	PY	.007	.007	0	0
5	RPL2	PY	.007	.007	0	0
6	RPL1	PY	.007	.007	0	0
7	RAIL1	PY	.003	.003	0	0
8	RAIL3	PY	.003	.003	0	0
9	RAIL2	PY	.002	.002	0	0
10	PL18	PY	.000556	.000556	0	0
11	PL17	PY	.000556	.000556	0	0
12	PL16	PY	.000556	.000556	0	0
13	PL15	PY	.000556	.000556	0	0
14	PL14	PY	.000556	.000556	0	0
15	PL13	PY	.000556	.000556	0	0
16	PL12	PY	.000556	.000556	0	0
17	PL11	PY	.000556	.000556	0	0
18	PL10	PY	.000556	.000556	0	0
19	PL9	PY	.000556	.000556	0	0
20	PL8	PY	.000556	.000556	0	0
21	PL7	PY	.000556	.000556	0	0
22	PL6	PY	.000556	.000556	0	0
23	PL5	PY	.000556	.000556	0	0
24	PL4	PY	.000556	.000556	0	0
25	PL3	PY	.000556	.000556	0	0
26	PL2	PY	.000556	.000556	0	0
27	PL1	PY	.000556	.000556	0	0
28	MP GAMMA3	PY	.005	.005	0	0
29	MP GAMMA2	PY	.005	.005	0	0
30	MP GAMMA1	PY	.005	.005	0	0
31	MP BETA3	PY	.005	.005	0	0
32	MP BETA2	PY	.005	.005	0	0
33	MP BETA1	PY	.005	.005	0	0
34	MP ALPHA3	PY	.005	.005	0	0
35	MP ALPHA2	PY	.005	.005	0	0
36	MP ALPHA1	PY	.005	.005	0	0
37	FACE3	PY	.004	.004	0	0
38	FACE1	PY	.004	.004	0	0
39	FACE2	PY	.002	.002	0	0
40	CR6	PY	.005	.005	0	0
41	CR5	PY	.005	.005	0	0
42	CPL3	PY	.000556	.000556	0	0
43	CPL2	PY	.000556	.000556	0	0
44	CPL1	PY	.000556	.000556	0	0
45	ANGLE6	PY	.003	.003	0	0
46	ANGLE5	PY	.003	.003	0	0

Member Distributed Loads (BLC 7 : Wind Load (120)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
47	ANGLE4	PY	.003	.003	0	0
48	ANGLE3	PY	.003	.003	0	0
49	ANGLE2	PY	.003	.003	0	0
50	ANGLE1	PY	.003	.003	0	0
51	SO3	PX	-.006	-.006	0	0
52	SO2	PX	-.006	-.006	0	0
53	SO1	PX	-.006	-.006	0	0
54	RPL3	PX	-.012	-.012	0	0
55	RPL2	PX	-.012	-.012	0	0
56	RPL1	PX	-.012	-.012	0	0
57	RAIL1	PX	-.005	-.005	0	0
58	RAIL3	PX	-.005	-.005	0	0
59	RAIL2	PX	-.003	-.003	0	0
60	PL18	PX	-.000963	-.000963	0	0
61	PL17	PX	-.000963	-.000963	0	0
62	PL16	PX	-.000963	-.000963	0	0
63	PL15	PX	-.000963	-.000963	0	0
64	PL14	PX	-.000963	-.000963	0	0
65	PL13	PX	-.000963	-.000963	0	0
66	PL12	PX	-.000963	-.000963	0	0
67	PL11	PX	-.000963	-.000963	0	0
68	PL10	PX	-.000963	-.000963	0	0
69	PL9	PX	-.000963	-.000963	0	0
70	PL8	PX	-.000963	-.000963	0	0
71	PL7	PX	-.000963	-.000963	0	0
72	PL6	PX	-.000963	-.000963	0	0
73	PL5	PX	-.000963	-.000963	0	0
74	PL4	PX	-.000963	-.000963	0	0
75	PL3	PX	-.000963	-.000963	0	0
76	PL2	PX	-.000963	-.000963	0	0
77	PL1	PX	-.000963	-.000963	0	0
78	MP GAMMA3	PX	-.009	-.009	0	0
79	MP GAMMA2	PX	-.009	-.009	0	0
80	MP GAMMA1	PX	-.009	-.009	0	0
81	MP BETA3	PX	-.009	-.009	0	0
82	MP BETA2	PX	-.009	-.009	0	0
83	MP BETA1	PX	-.009	-.009	0	0
84	MP ALPHA3	PX	-.009	-.009	0	0
85	MP ALPHA2	PX	-.009	-.009	0	0
86	MP ALPHA1	PX	-.009	-.009	0	0
87	FACE3	PX	-.007	-.007	0	0
88	FACE1	PX	-.007	-.007	0	0
89	FACE2	PX	-.004	-.004	0	0
90	CR6	PX	-.009	-.009	0	0
91	CR5	PX	-.009	-.009	0	0
92	CPL3	PX	-.000963	-.000963	0	0
93	CPL2	PX	-.000963	-.000963	0	0
94	CPL1	PX	-.000963	-.000963	0	0
95	ANGLE6	PX	-.005	-.005	0	0
96	ANGLE5	PX	-.005	-.005	0	0
97	ANGLE4	PX	-.005	-.005	0	0
98	ANGLE3	PX	-.005	-.005	0	0

Member Distributed Loads (BLC 7 : Wind Load (120)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
99	ANGLE2	PX	-.005	-.005	0	0
100	ANGLE1	PX	-.005	-.005	0	0
101	CR4	PY	.005	.005	0	0
102	CR4	PX	-.009	-.009	0	0
103	CR3	PY	.005	.005	0	0
104	CR3	PX	-.009	-.009	0	0
105	CR2	PY	.005	.005	0	0
106	CR2	PX	-.009	-.009	0	0
107	CR1	PY	.005	.005	0	0
108	CR1	PX	-.009	-.009	0	0

Member Distributed Loads (BLC 8 : Wind Load (150))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SO3	PY	.006	.006	0	0
2	SO2	PY	.006	.006	0	0
3	SO1	PY	.006	.006	0	0
4	RPL3	PY	.012	.012	0	0
5	RPL2	PY	.012	.012	0	0
6	RPL1	PY	.012	.012	0	0
7	RAIL1	PY	.005	.005	0	0
8	RAIL3	PY	.005	.005	0	0
9	RAIL2	PY	.003	.003	0	0
10	PL18	PY	.000963	.000963	0	0
11	PL17	PY	.000963	.000963	0	0
12	PL16	PY	.000963	.000963	0	0
13	PL15	PY	.000963	.000963	0	0
14	PL14	PY	.000963	.000963	0	0
15	PL13	PY	.000963	.000963	0	0
16	PL12	PY	.000963	.000963	0	0
17	PL11	PY	.000963	.000963	0	0
18	PL10	PY	.000963	.000963	0	0
19	PL9	PY	.000963	.000963	0	0
20	PL8	PY	.000963	.000963	0	0
21	PL7	PY	.000963	.000963	0	0
22	PL6	PY	.000963	.000963	0	0
23	PL5	PY	.000963	.000963	0	0
24	PL4	PY	.000963	.000963	0	0
25	PL3	PY	.000963	.000963	0	0
26	PL2	PY	.000963	.000963	0	0
27	PL1	PY	.000963	.000963	0	0
28	MP GAMMA3	PY	.009	.009	0	0
29	MP GAMMA2	PY	.009	.009	0	0
30	MP GAMMA1	PY	.009	.009	0	0
31	MP BETA3	PY	.009	.009	0	0
32	MP BETA2	PY	.009	.009	0	0
33	MP BETA1	PY	.009	.009	0	0
34	MP ALPHA3	PY	.009	.009	0	0
35	MP ALPHA2	PY	.009	.009	0	0
36	MP ALPHA1	PY	.009	.009	0	0
37	FACE3	PY	.007	.007	0	0
38	FACE1	PY	.007	.007	0	0

Member Distributed Loads (BLC 8 : Wind Load (150)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
39	FACE2	PY	.004	.004	0	0
40	CR6	PY	.009	.009	0	0
41	CR5	PY	.009	.009	0	0
42	CPL3	PY	.000963	.000963	0	0
43	CPL2	PY	.000963	.000963	0	0
44	CPL1	PY	.000963	.000963	0	0
45	ANGLE6	PY	.005	.005	0	0
46	ANGLE5	PY	.005	.005	0	0
47	ANGLE4	PY	.005	.005	0	0
48	ANGLE3	PY	.005	.005	0	0
49	ANGLE2	PY	.005	.005	0	0
50	ANGLE1	PY	.005	.005	0	0
51	SO3	PX	-.004	-.004	0	0
52	SO2	PX	-.004	-.004	0	0
53	SO1	PX	-.004	-.004	0	0
54	RPL3	PX	-.007	-.007	0	0
55	RPL2	PX	-.007	-.007	0	0
56	RPL1	PX	-.007	-.007	0	0
57	RAIL1	PX	-.003	-.003	0	0
58	RAIL3	PX	-.003	-.003	0	0
59	RAIL2	PX	-.002	-.002	0	0
60	PL18	PX	-.000556	-.000556	0	0
61	PL17	PX	-.000556	-.000556	0	0
62	PL16	PX	-.000556	-.000556	0	0
63	PL15	PX	-.000556	-.000556	0	0
64	PL14	PX	-.000556	-.000556	0	0
65	PL13	PX	-.000556	-.000556	0	0
66	PL12	PX	-.000556	-.000556	0	0
67	PL11	PX	-.000556	-.000556	0	0
68	PL10	PX	-.000556	-.000556	0	0
69	PL9	PX	-.000556	-.000556	0	0
70	PL8	PX	-.000556	-.000556	0	0
71	PL7	PX	-.000556	-.000556	0	0
72	PL6	PX	-.000556	-.000556	0	0
73	PL5	PX	-.000556	-.000556	0	0
74	PL4	PX	-.000556	-.000556	0	0
75	PL3	PX	-.000556	-.000556	0	0
76	PL2	PX	-.000556	-.000556	0	0
77	PL1	PX	-.000556	-.000556	0	0
78	MP GAMMA3	PX	-.005	-.005	0	0
79	MP GAMMA2	PX	-.005	-.005	0	0
80	MP GAMMA1	PX	-.005	-.005	0	0
81	MP BETA3	PX	-.005	-.005	0	0
82	MP BETA2	PX	-.005	-.005	0	0
83	MP BETA1	PX	-.005	-.005	0	0
84	MP ALPHA3	PX	-.005	-.005	0	0
85	MP ALPHA2	PX	-.005	-.005	0	0
86	MP ALPHA1	PX	-.005	-.005	0	0
87	FACE3	PX	-.004	-.004	0	0
88	FACE1	PX	-.004	-.004	0	0
89	FACE2	PX	-.002	-.002	0	0
90	CR6	PX	-.005	-.005	0	0

Member Distributed Loads (BLC 8 : Wind Load (150)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	CR5	PX	-.005	-.005	0	0
92	CPL3	PX	-.000556	-.000556	0	0
93	CPL2	PX	-.000556	-.000556	0	0
94	CPL1	PX	-.000556	-.000556	0	0
95	ANGLE6	PX	-.003	-.003	0	0
96	ANGLE5	PX	-.003	-.003	0	0
97	ANGLE4	PX	-.003	-.003	0	0
98	ANGLE3	PX	-.003	-.003	0	0
99	ANGLE2	PX	-.003	-.003	0	0
100	ANGLE1	PX	-.003	-.003	0	0
101	CR4	PY	.009	.009	0	0
102	CR4	PX	-.005	-.005	0	0
103	CR3	PY	.009	.009	0	0
104	CR3	PX	-.005	-.005	0	0
105	CR2	PY	.009	.009	0	0
106	CR2	PX	-.005	-.005	0	0
107	CR1	PY	.009	.009	0	0
108	CR1	PX	-.005	-.005	0	0

Member Distributed Loads (BLC 9 : Wind Load (180))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SO3	PY	.007	.007	0	0
2	SO2	PY	.007	.007	0	0
3	SO1	PY	.007	.007	0	0
4	RPL3	PY	.013	.013	0	0
5	RPL2	PY	.013	.013	0	0
6	RPL1	PY	.013	.013	0	0
7	RAIL1	PY	.006	.006	0	0
8	RAIL3	PY	.006	.006	0	0
9	RAIL2	PY	.003	.003	0	0
10	PL18	PY	.001	.001	0	0
11	PL17	PY	.001	.001	0	0
12	PL16	PY	.001	.001	0	0
13	PL15	PY	.001	.001	0	0
14	PL14	PY	.001	.001	0	0
15	PL13	PY	.001	.001	0	0
16	PL12	PY	.001	.001	0	0
17	PL11	PY	.001	.001	0	0
18	PL10	PY	.001	.001	0	0
19	PL9	PY	.001	.001	0	0
20	PL8	PY	.001	.001	0	0
21	PL7	PY	.001	.001	0	0
22	PL6	PY	.001	.001	0	0
23	PL5	PY	.001	.001	0	0
24	PL4	PY	.001	.001	0	0
25	PL3	PY	.001	.001	0	0
26	PL2	PY	.001	.001	0	0
27	PL1	PY	.001	.001	0	0
28	MP GAMMA3	PY	.01	.01	0	0
29	MP GAMMA2	PY	.01	.01	0	0
30	MP GAMMA1	PY	.01	.01	0	0

Member Distributed Loads (BLC 9 : Wind Load (180)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
31	MP BETA3	PY	.01	.01	0	0
32	MP BETA2	PY	.01	.01	0	0
33	MP BETA1	PY	.01	.01	0	0
34	MP ALPHA3	PY	.01	.01	0	0
35	MP ALPHA2	PY	.01	.01	0	0
36	MP ALPHA1	PY	.01	.01	0	0
37	FACE3	PY	.008	.008	0	0
38	FACE1	PY	.008	.008	0	0
39	FACE2	PY	.004	.004	0	0
40	CR6	PY	.01	.01	0	0
41	CR5	PY	.01	.01	0	0
42	CPL3	PY	.001	.001	0	0
43	CPL2	PY	.001	.001	0	0
44	CPL1	PY	.001	.001	0	0
45	ANGLE6	PY	.006	.006	0	0
46	ANGLE5	PY	.006	.006	0	0
47	ANGLE4	PY	.006	.006	0	0
48	ANGLE3	PY	.006	.006	0	0
49	ANGLE2	PY	.006	.006	0	0
50	ANGLE1	PY	.006	.006	0	0
51	CR4	PY	.01	.01	0	0
52	CR3	PY	.01	.01	0	0
53	CR2	PY	.01	.01	0	0
54	CR1	PY	.01	.01	0	0

Member Distributed Loads (BLC 10 : Wind Load (210))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SO3	PY	.006	.006	0	0
2	SO2	PY	.006	.006	0	0
3	SO1	PY	.006	.006	0	0
4	RPL3	PY	.012	.012	0	0
5	RPL2	PY	.012	.012	0	0
6	RPL1	PY	.012	.012	0	0
7	RAIL1	PY	.005	.005	0	0
8	RAIL2	PY	.005	.005	0	0
9	RAIL3	PY	.003	.003	0	0
10	PL18	PY	.000963	.000963	0	0
11	PL17	PY	.000963	.000963	0	0
12	PL16	PY	.000963	.000963	0	0
13	PL15	PY	.000963	.000963	0	0
14	PL14	PY	.000963	.000963	0	0
15	PL13	PY	.000963	.000963	0	0
16	PL12	PY	.000963	.000963	0	0
17	PL11	PY	.000963	.000963	0	0
18	PL10	PY	.000963	.000963	0	0
19	PL9	PY	.000963	.000963	0	0
20	PL8	PY	.000963	.000963	0	0
21	PL7	PY	.000963	.000963	0	0
22	PL6	PY	.000963	.000963	0	0
23	PL5	PY	.000963	.000963	0	0
24	PL4	PY	.000963	.000963	0	0

Member Distributed Loads (BLC 10 : Wind Load (210)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
25	PL3	PY	.000963	.000963	0	0
26	PL2	PY	.000963	.000963	0	0
27	PL1	PY	.000963	.000963	0	0
28	MP GAMMA3	PY	.009	.009	0	0
29	MP GAMMA2	PY	.009	.009	0	0
30	MP GAMMA1	PY	.009	.009	0	0
31	MP BETA3	PY	.009	.009	0	0
32	MP BETA2	PY	.009	.009	0	0
33	MP BETA1	PY	.009	.009	0	0
34	MP ALPHA3	PY	.009	.009	0	0
35	MP ALPHA2	PY	.009	.009	0	0
36	MP ALPHA1	PY	.009	.009	0	0
37	FACE1	PY	.007	.007	0	0
38	FACE2	PY	.007	.007	0	0
39	FACE3	PY	.004	.004	0	0
40	CR6	PY	.009	.009	0	0
41	CR5	PY	.009	.009	0	0
42	CPL3	PY	.000963	.000963	0	0
43	CPL2	PY	.000963	.000963	0	0
44	CPL1	PY	.000963	.000963	0	0
45	ANGLE6	PY	.005	.005	0	0
46	ANGLE5	PY	.005	.005	0	0
47	ANGLE4	PY	.005	.005	0	0
48	ANGLE3	PY	.005	.005	0	0
49	ANGLE2	PY	.005	.005	0	0
50	ANGLE1	PY	.005	.005	0	0
51	SO3	PX	.004	.004	0	0
52	SO2	PX	.004	.004	0	0
53	SO1	PX	.004	.004	0	0
54	RPL3	PX	.007	.007	0	0
55	RPL2	PX	.007	.007	0	0
56	RPL1	PX	.007	.007	0	0
57	RAIL1	PX	.003	.003	0	0
58	RAIL2	PX	.003	.003	0	0
59	RAIL3	PX	.002	.002	0	0
60	PL18	PX	.000556	.000556	0	0
61	PL17	PX	.000556	.000556	0	0
62	PL16	PX	.000556	.000556	0	0
63	PL15	PX	.000556	.000556	0	0
64	PL14	PX	.000556	.000556	0	0
65	PL13	PX	.000556	.000556	0	0
66	PL12	PX	.000556	.000556	0	0
67	PL11	PX	.000556	.000556	0	0
68	PL10	PX	.000556	.000556	0	0
69	PL9	PX	.000556	.000556	0	0
70	PL8	PX	.000556	.000556	0	0
71	PL7	PX	.000556	.000556	0	0
72	PL6	PX	.000556	.000556	0	0
73	PL5	PX	.000556	.000556	0	0
74	PL4	PX	.000556	.000556	0	0
75	PL3	PX	.000556	.000556	0	0
76	PL2	PX	.000556	.000556	0	0

Member Distributed Loads (BLC 10 : Wind Load (210)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
77	PL1	PX	.000556	.000556	0	0
78	MP GAMMA3	PX	.005	.005	0	0
79	MP GAMMA2	PX	.005	.005	0	0
80	MP GAMMA1	PX	.005	.005	0	0
81	MP BETA3	PX	.005	.005	0	0
82	MP BETA2	PX	.005	.005	0	0
83	MP BETA1	PX	.005	.005	0	0
84	MP ALPHA3	PX	.005	.005	0	0
85	MP ALPHA2	PX	.005	.005	0	0
86	MP ALPHA1	PX	.005	.005	0	0
87	FACE1	PX	.004	.004	0	0
88	FACE2	PX	.004	.004	0	0
89	FACE3	PX	.002	.002	0	0
90	CR6	PX	.005	.005	0	0
91	CR5	PX	.005	.005	0	0
92	CPL3	PX	.000556	.000556	0	0
93	CPL2	PX	.000556	.000556	0	0
94	CPL1	PX	.000556	.000556	0	0
95	ANGLE6	PX	.003	.003	0	0
96	ANGLE5	PX	.003	.003	0	0
97	ANGLE4	PX	.003	.003	0	0
98	ANGLE3	PX	.003	.003	0	0
99	ANGLE2	PX	.003	.003	0	0
100	ANGLE1	PX	.003	.003	0	0
101	CR4	PY	.009	.009	0	0
102	CR4	PX	.005	.005	0	0
103	CR3	PY	.009	.009	0	0
104	CR3	PX	.005	.005	0	0
105	CR2	PY	.009	.009	0	0
106	CR2	PX	.005	.005	0	0
107	CR1	PY	.009	.009	0	0
108	CR1	PX	.005	.005	0	0

Member Distributed Loads (BLC 11 : Wind Load (240))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SO3	PY	.004	.004	0	0
2	SO2	PY	.004	.004	0	0
3	SO1	PY	.004	.004	0	0
4	RPL3	PY	.007	.007	0	0
5	RPL2	PY	.007	.007	0	0
6	RPL1	PY	.007	.007	0	0
7	RAIL1	PY	.003	.003	0	0
8	RAIL2	PY	.003	.003	0	0
9	RAIL3	PY	.002	.002	0	0
10	PL18	PY	.000556	.000556	0	0
11	PL17	PY	.000556	.000556	0	0
12	PL16	PY	.000556	.000556	0	0
13	PL15	PY	.000556	.000556	0	0
14	PL14	PY	.000556	.000556	0	0
15	PL13	PY	.000556	.000556	0	0
16	PL12	PY	.000556	.000556	0	0

Member Distributed Loads (BLC 11 : Wind Load (240)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	PL11	PY	.000556	.000556	0	0
18	PL10	PY	.000556	.000556	0	0
19	PL9	PY	.000556	.000556	0	0
20	PL8	PY	.000556	.000556	0	0
21	PL7	PY	.000556	.000556	0	0
22	PL6	PY	.000556	.000556	0	0
23	PL5	PY	.000556	.000556	0	0
24	PL4	PY	.000556	.000556	0	0
25	PL3	PY	.000556	.000556	0	0
26	PL2	PY	.000556	.000556	0	0
27	PL1	PY	.000556	.000556	0	0
28	MP GAMMA3	PY	.005	.005	0	0
29	MP GAMMA2	PY	.005	.005	0	0
30	MP GAMMA1	PY	.005	.005	0	0
31	MP BETA3	PY	.005	.005	0	0
32	MP BETA2	PY	.005	.005	0	0
33	MP BETA1	PY	.005	.005	0	0
34	MP ALPHA3	PY	.005	.005	0	0
35	MP ALPHA2	PY	.005	.005	0	0
36	MP ALPHA1	PY	.005	.005	0	0
37	FACE1	PY	.004	.004	0	0
38	FACE2	PY	.004	.004	0	0
39	FACE3	PY	.002	.002	0	0
40	CR6	PY	.005	.005	0	0
41	CR5	PY	.005	.005	0	0
42	CPL3	PY	.000556	.000556	0	0
43	CPL2	PY	.000556	.000556	0	0
44	CPL1	PY	.000556	.000556	0	0
45	ANGLE6	PY	.003	.003	0	0
46	ANGLE5	PY	.003	.003	0	0
47	ANGLE4	PY	.003	.003	0	0
48	ANGLE3	PY	.003	.003	0	0
49	ANGLE2	PY	.003	.003	0	0
50	ANGLE1	PY	.003	.003	0	0
51	SO3	PX	.006	.006	0	0
52	SO2	PX	.006	.006	0	0
53	SO1	PX	.006	.006	0	0
54	RPL3	PX	.012	.012	0	0
55	RPL2	PX	.012	.012	0	0
56	RPL1	PX	.012	.012	0	0
57	RAIL1	PX	.005	.005	0	0
58	RAIL2	PX	.005	.005	0	0
59	RAIL3	PX	.003	.003	0	0
60	PL18	PX	.000963	.000963	0	0
61	PL17	PX	.000963	.000963	0	0
62	PL16	PX	.000963	.000963	0	0
63	PL15	PX	.000963	.000963	0	0
64	PL14	PX	.000963	.000963	0	0
65	PL13	PX	.000963	.000963	0	0
66	PL12	PX	.000963	.000963	0	0
67	PL11	PX	.000963	.000963	0	0
68	PL10	PX	.000963	.000963	0	0

Member Distributed Loads (BLC 11 : Wind Load (240)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
69	PL9	PX	.000963	.000963	0	0
70	PL8	PX	.000963	.000963	0	0
71	PL7	PX	.000963	.000963	0	0
72	PL6	PX	.000963	.000963	0	0
73	PL5	PX	.000963	.000963	0	0
74	PL4	PX	.000963	.000963	0	0
75	PL3	PX	.000963	.000963	0	0
76	PL2	PX	.000963	.000963	0	0
77	PL1	PX	.000963	.000963	0	0
78	MP GAMMA3	PX	.009	.009	0	0
79	MP GAMMA2	PX	.009	.009	0	0
80	MP GAMMA1	PX	.009	.009	0	0
81	MP BETA3	PX	.009	.009	0	0
82	MP BETA2	PX	.009	.009	0	0
83	MP BETA1	PX	.009	.009	0	0
84	MP ALPHA3	PX	.009	.009	0	0
85	MP ALPHA2	PX	.009	.009	0	0
86	MP ALPHA1	PX	.009	.009	0	0
87	FACE1	PX	.007	.007	0	0
88	FACE2	PX	.007	.007	0	0
89	FACE3	PX	.004	.004	0	0
90	CR6	PX	.009	.009	0	0
91	CR5	PX	.009	.009	0	0
92	CPL3	PX	.000963	.000963	0	0
93	CPL2	PX	.000963	.000963	0	0
94	CPL1	PX	.000963	.000963	0	0
95	ANGLE6	PX	.005	.005	0	0
96	ANGLE5	PX	.005	.005	0	0
97	ANGLE4	PX	.005	.005	0	0
98	ANGLE3	PX	.005	.005	0	0
99	ANGLE2	PX	.005	.005	0	0
100	ANGLE1	PX	.005	.005	0	0
101	CR4	PY	.005	.005	0	0
102	CR4	PX	.009	.009	0	0
103	CR3	PY	.005	.005	0	0
104	CR3	PX	.009	.009	0	0
105	CR2	PY	.005	.005	0	0
106	CR2	PX	.009	.009	0	0
107	CR1	PY	.005	.005	0	0
108	CR1	PX	.009	.009	0	0

Member Distributed Loads (BLC 12 : Wind Load (270))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SO3	PX	.007	.007	0	0
2	SO2	PX	.007	.007	0	0
3	SO1	PX	.007	.007	0	0
4	RPL3	PX	.013	.013	0	0
5	RPL2	PX	.013	.013	0	0
6	RPL1	PX	.013	.013	0	0
7	RAIL1	PX	.006	.006	0	0
8	RAIL2	PX	.006	.006	0	0

Member Distributed Loads (BLC 12 : Wind Load (270)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
9	RAIL3	PX	.003	.003	0	0
10	PL18	PX	.001	.001	0	0
11	PL17	PX	.001	.001	0	0
12	PL16	PX	.001	.001	0	0
13	PL15	PX	.001	.001	0	0
14	PL14	PX	.001	.001	0	0
15	PL13	PX	.001	.001	0	0
16	PL12	PX	.001	.001	0	0
17	PL11	PX	.001	.001	0	0
18	PL10	PX	.001	.001	0	0
19	PL9	PX	.001	.001	0	0
20	PL8	PX	.001	.001	0	0
21	PL7	PX	.001	.001	0	0
22	PL6	PX	.001	.001	0	0
23	PL5	PX	.001	.001	0	0
24	PL4	PX	.001	.001	0	0
25	PL3	PX	.001	.001	0	0
26	PL2	PX	.001	.001	0	0
27	PL1	PX	.001	.001	0	0
28	MP GAMMA3	PX	.01	.01	0	0
29	MP GAMMA2	PX	.01	.01	0	0
30	MP GAMMA1	PX	.01	.01	0	0
31	MP BETA3	PX	.01	.01	0	0
32	MP BETA2	PX	.01	.01	0	0
33	MP BETA1	PX	.01	.01	0	0
34	MP ALPHA3	PX	.01	.01	0	0
35	MP ALPHA2	PX	.01	.01	0	0
36	MP ALPHA1	PX	.01	.01	0	0
37	FACE1	PX	.008	.008	0	0
38	FACE2	PX	.008	.008	0	0
39	FACE3	PX	.004	.004	0	0
40	CR6	PX	.01	.01	0	0
41	CR5	PX	.01	.01	0	0
42	CPL3	PX	.001	.001	0	0
43	CPL2	PX	.001	.001	0	0
44	CPL1	PX	.001	.001	0	0
45	ANGLE6	PX	.006	.006	0	0
46	ANGLE5	PX	.006	.006	0	0
47	ANGLE4	PX	.006	.006	0	0
48	ANGLE3	PX	.006	.006	0	0
49	ANGLE2	PX	.006	.006	0	0
50	ANGLE1	PX	.006	.006	0	0
51	CR4	PX	.01	.01	0	0
52	CR3	PX	.01	.01	0	0
53	CR2	PX	.01	.01	0	0
54	CR1	PX	.01	.01	0	0

Member Distributed Loads (BLC 13 : Wind Load (300))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SO3	PY	-.004	-.004	0	0
2	SO2	PY	-.004	-.004	0	0

Member Distributed Loads (BLC 13 : Wind Load (300)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
3	SO1	PY	-.004	-.004	0	0
4	RPL3	PY	-.007	-.007	0	0
5	RPL2	PY	-.007	-.007	0	0
6	RPL1	PY	-.007	-.007	0	0
7	RAIL1	PY	-.003	-.003	0	0
8	RAIL2	PY	-.003	-.003	0	0
9	RAIL3	PY	-.002	-.002	0	0
10	PL18	PY	-.000556	-.000556	0	0
11	PL17	PY	-.000556	-.000556	0	0
12	PL16	PY	-.000556	-.000556	0	0
13	PL15	PY	-.000556	-.000556	0	0
14	PL14	PY	-.000556	-.000556	0	0
15	PL13	PY	-.000556	-.000556	0	0
16	PL12	PY	-.000556	-.000556	0	0
17	PL11	PY	-.000556	-.000556	0	0
18	PL10	PY	-.000556	-.000556	0	0
19	PL9	PY	-.000556	-.000556	0	0
20	PL8	PY	-.000556	-.000556	0	0
21	PL7	PY	-.000556	-.000556	0	0
22	PL6	PY	-.000556	-.000556	0	0
23	PL5	PY	-.000556	-.000556	0	0
24	PL4	PY	-.000556	-.000556	0	0
25	PL3	PY	-.000556	-.000556	0	0
26	PL2	PY	-.000556	-.000556	0	0
27	PL1	PY	-.000556	-.000556	0	0
28	MP GAMMA3	PY	-.005	-.005	0	0
29	MP GAMMA2	PY	-.005	-.005	0	0
30	MP GAMMA1	PY	-.005	-.005	0	0
31	MP BETA3	PY	-.005	-.005	0	0
32	MP BETA2	PY	-.005	-.005	0	0
33	MP BETA1	PY	-.005	-.005	0	0
34	MP ALPHA3	PY	-.005	-.005	0	0
35	MP ALPHA2	PY	-.005	-.005	0	0
36	MP ALPHA1	PY	-.005	-.005	0	0
37	FACE1	PY	-.004	-.004	0	0
38	FACE2	PY	-.004	-.004	0	0
39	FACE3	PY	-.002	-.002	0	0
40	CR6	PY	-.005	-.005	0	0
41	CR5	PY	-.005	-.005	0	0
42	CPL3	PY	-.000556	-.000556	0	0
43	CPL2	PY	-.000556	-.000556	0	0
44	CPL1	PY	-.000556	-.000556	0	0
45	ANGLE6	PY	-.003	-.003	0	0
46	ANGLE5	PY	-.003	-.003	0	0
47	ANGLE4	PY	-.003	-.003	0	0
48	ANGLE3	PY	-.003	-.003	0	0
49	ANGLE2	PY	-.003	-.003	0	0
50	ANGLE1	PY	-.003	-.003	0	0
51	SO3	PX	.006	.006	0	0
52	SO2	PX	.006	.006	0	0
53	SO1	PX	.006	.006	0	0
54	RPL3	PX	.012	.012	0	0

Member Distributed Loads (BLC 13 : Wind Load (300)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
55	RPL2	PX	.012	.012	0	0
56	RPL1	PX	.012	.012	0	0
57	RAIL1	PX	.005	.005	0	0
58	RAIL2	PX	.005	.005	0	0
59	RAIL3	PX	.003	.003	0	0
60	PL18	PX	.000963	.000963	0	0
61	PL17	PX	.000963	.000963	0	0
62	PL16	PX	.000963	.000963	0	0
63	PL15	PX	.000963	.000963	0	0
64	PL14	PX	.000963	.000963	0	0
65	PL13	PX	.000963	.000963	0	0
66	PL12	PX	.000963	.000963	0	0
67	PL11	PX	.000963	.000963	0	0
68	PL10	PX	.000963	.000963	0	0
69	PL9	PX	.000963	.000963	0	0
70	PL8	PX	.000963	.000963	0	0
71	PL7	PX	.000963	.000963	0	0
72	PL6	PX	.000963	.000963	0	0
73	PL5	PX	.000963	.000963	0	0
74	PL4	PX	.000963	.000963	0	0
75	PL3	PX	.000963	.000963	0	0
76	PL2	PX	.000963	.000963	0	0
77	PL1	PX	.000963	.000963	0	0
78	MP GAMMA3	PX	.009	.009	0	0
79	MP GAMMA2	PX	.009	.009	0	0
80	MP GAMMA1	PX	.009	.009	0	0
81	MP BETA3	PX	.009	.009	0	0
82	MP BETA2	PX	.009	.009	0	0
83	MP BETA1	PX	.009	.009	0	0
84	MP ALPHA3	PX	.009	.009	0	0
85	MP ALPHA2	PX	.009	.009	0	0
86	MP ALPHA1	PX	.009	.009	0	0
87	FACE1	PX	.007	.007	0	0
88	FACE2	PX	.007	.007	0	0
89	FACE3	PX	.004	.004	0	0
90	CR6	PX	.009	.009	0	0
91	CR5	PX	.009	.009	0	0
92	CPL3	PX	.000963	.000963	0	0
93	CPL2	PX	.000963	.000963	0	0
94	CPL1	PX	.000963	.000963	0	0
95	ANGLE6	PX	.005	.005	0	0
96	ANGLE5	PX	.005	.005	0	0
97	ANGLE4	PX	.005	.005	0	0
98	ANGLE3	PX	.005	.005	0	0
99	ANGLE2	PX	.005	.005	0	0
100	ANGLE1	PX	.005	.005	0	0
101	CR4	PY	-.005	-.005	0	0
102	CR4	PX	.009	.009	0	0
103	CR3	PY	-.005	-.005	0	0
104	CR3	PX	.009	.009	0	0
105	CR2	PY	-.005	-.005	0	0
106	CR2	PX	.009	.009	0	0

Member Distributed Loads (BLC 13 : Wind Load (300)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
107	CR1	PY	-.005	-.005	0	0
108	CR1	PX	.009	.009	0	0

Member Distributed Loads (BLC 14 : Wind Load (330))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SO3	PY	-.006	-.006	0	0
2	SO2	PY	-.006	-.006	0	0
3	SO1	PY	-.006	-.006	0	0
4	RPL3	PY	-.012	-.012	0	0
5	RPL2	PY	-.012	-.012	0	0
6	RPL1	PY	-.012	-.012	0	0
7	RAIL3	PY	-.005	-.005	0	0
8	RAIL2	PY	-.005	-.005	0	0
9	RAIL1	PY	-.003	-.003	0	0
10	PL18	PY	-.000963	-.000963	0	0
11	PL17	PY	-.000963	-.000963	0	0
12	PL16	PY	-.000963	-.000963	0	0
13	PL15	PY	-.000963	-.000963	0	0
14	PL14	PY	-.000963	-.000963	0	0
15	PL13	PY	-.000963	-.000963	0	0
16	PL12	PY	-.000963	-.000963	0	0
17	PL11	PY	-.000963	-.000963	0	0
18	PL10	PY	-.000963	-.000963	0	0
19	PL9	PY	-.000963	-.000963	0	0
20	PL8	PY	-.000963	-.000963	0	0
21	PL7	PY	-.000963	-.000963	0	0
22	PL6	PY	-.000963	-.000963	0	0
23	PL5	PY	-.000963	-.000963	0	0
24	PL4	PY	-.000963	-.000963	0	0
25	PL3	PY	-.000963	-.000963	0	0
26	PL2	PY	-.000963	-.000963	0	0
27	PL1	PY	-.000963	-.000963	0	0
28	MP GAMMA3	PY	-.009	-.009	0	0
29	MP GAMMA2	PY	-.009	-.009	0	0
30	MP GAMMA1	PY	-.009	-.009	0	0
31	MP BETA3	PY	-.009	-.009	0	0
32	MP BETA2	PY	-.009	-.009	0	0
33	MP BETA1	PY	-.009	-.009	0	0
34	MP ALPHA3	PY	-.009	-.009	0	0
35	MP ALPHA2	PY	-.009	-.009	0	0
36	MP ALPHA1	PY	-.009	-.009	0	0
37	FACE3	PY	-.007	-.007	0	0
38	FACE2	PY	-.007	-.007	0	0
39	FACE1	PY	-.004	-.004	0	0
40	CR6	PY	-.009	-.009	0	0
41	CR5	PY	-.009	-.009	0	0
42	CPL3	PY	-.000963	-.000963	0	0
43	CPL2	PY	-.000963	-.000963	0	0
44	CPL1	PY	-.000963	-.000963	0	0
45	ANGLE6	PY	-.005	-.005	0	0
46	ANGLE5	PY	-.005	-.005	0	0

Member Distributed Loads (BLC 14 : Wind Load (330)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
47	ANGLE4	PY	-.005	-.005	0	0
48	ANGLE3	PY	-.005	-.005	0	0
49	ANGLE2	PY	-.005	-.005	0	0
50	ANGLE1	PY	-.005	-.005	0	0
51	SO3	PX	.004	.004	0	0
52	SO2	PX	.004	.004	0	0
53	SO1	PX	.004	.004	0	0
54	RPL3	PX	.007	.007	0	0
55	RPL2	PX	.007	.007	0	0
56	RPL1	PX	.007	.007	0	0
57	RAIL3	PX	.003	.003	0	0
58	RAIL2	PX	.003	.003	0	0
59	RAIL1	PX	.002	.002	0	0
60	PL18	PX	.000556	.000556	0	0
61	PL17	PX	.000556	.000556	0	0
62	PL16	PX	.000556	.000556	0	0
63	PL15	PX	.000556	.000556	0	0
64	PL14	PX	.000556	.000556	0	0
65	PL13	PX	.000556	.000556	0	0
66	PL12	PX	.000556	.000556	0	0
67	PL11	PX	.000556	.000556	0	0
68	PL10	PX	.000556	.000556	0	0
69	PL9	PX	.000556	.000556	0	0
70	PL8	PX	.000556	.000556	0	0
71	PL7	PX	.000556	.000556	0	0
72	PL6	PX	.000556	.000556	0	0
73	PL5	PX	.000556	.000556	0	0
74	PL4	PX	.000556	.000556	0	0
75	PL3	PX	.000556	.000556	0	0
76	PL2	PX	.000556	.000556	0	0
77	PL1	PX	.000556	.000556	0	0
78	MP GAMMA3	PX	.005	.005	0	0
79	MP GAMMA2	PX	.005	.005	0	0
80	MP GAMMA1	PX	.005	.005	0	0
81	MP BETA3	PX	.005	.005	0	0
82	MP BETA2	PX	.005	.005	0	0
83	MP BETA1	PX	.005	.005	0	0
84	MP ALPHA3	PX	.005	.005	0	0
85	MP ALPHA2	PX	.005	.005	0	0
86	MP ALPHA1	PX	.005	.005	0	0
87	FACE3	PX	.004	.004	0	0
88	FACE2	PX	.004	.004	0	0
89	FACE1	PX	.002	.002	0	0
90	CR6	PX	.005	.005	0	0
91	CR5	PX	.005	.005	0	0
92	CPL3	PX	.000556	.000556	0	0
93	CPL2	PX	.000556	.000556	0	0
94	CPL1	PX	.000556	.000556	0	0
95	ANGLE6	PX	.003	.003	0	0
96	ANGLE5	PX	.003	.003	0	0
97	ANGLE4	PX	.003	.003	0	0
98	ANGLE3	PX	.003	.003	0	0

Member Distributed Loads (BLC 14 : Wind Load (330)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
99	ANGLE2	PX	.003	.003	0	0
100	ANGLE1	PX	.003	.003	0	0
101	CR4	PY	-.009	-.009	0	0
102	CR4	PX	.005	.005	0	0
103	CR3	PY	-.009	-.009	0	0
104	CR3	PX	.005	.005	0	0
105	CR2	PY	-.009	-.009	0	0
106	CR2	PX	.005	.005	0	0
107	CR1	PY	-.009	-.009	0	0
108	CR1	PX	.005	.005	0	0

Member Distributed Loads (BLC 15 : Maintanence (0))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SO3	PY	-.000471	-.000471	0	0
2	SO2	PY	-.000471	-.000471	0	0
3	SO1	PY	-.000471	-.000471	0	0
4	RPL3	PY	-.000848	-.000848	0	0
5	RPL2	PY	-.000848	-.000848	0	0
6	RPL1	PY	-.000848	-.000848	0	0
7	RAIL3	PY	-.000398	-.000398	0	0
8	RAIL2	PY	-.000398	-.000398	0	0
9	RAIL1	PY	-.000199	-.000199	0	0
10	PL18	PY	-7.1e-5	-7.1e-5	0	0
11	PL17	PY	-7.1e-5	-7.1e-5	0	0
12	PL16	PY	-7.1e-5	-7.1e-5	0	0
13	PL15	PY	-7.1e-5	-7.1e-5	0	0
14	PL14	PY	-7.1e-5	-7.1e-5	0	0
15	PL13	PY	-7.1e-5	-7.1e-5	0	0
16	PL12	PY	-7.1e-5	-7.1e-5	0	0
17	PL11	PY	-7.1e-5	-7.1e-5	0	0
18	PL10	PY	-7.1e-5	-7.1e-5	0	0
19	PL9	PY	-7.1e-5	-7.1e-5	0	0
20	PL8	PY	-7.1e-5	-7.1e-5	0	0
21	PL7	PY	-7.1e-5	-7.1e-5	0	0
22	PL6	PY	-7.1e-5	-7.1e-5	0	0
23	PL5	PY	-7.1e-5	-7.1e-5	0	0
24	PL4	PY	-7.1e-5	-7.1e-5	0	0
25	PL3	PY	-7.1e-5	-7.1e-5	0	0
26	PL2	PY	-7.1e-5	-7.1e-5	0	0
27	PL1	PY	-7.1e-5	-7.1e-5	0	0
28	MP GAMMA3	PY	-.00065	-.00065	0	0
29	MP GAMMA2	PY	-.00065	-.00065	0	0
30	MP GAMMA1	PY	-.00065	-.00065	0	0
31	MP BETA3	PY	-.00065	-.00065	0	0
32	MP BETA2	PY	-.00065	-.00065	0	0
33	MP BETA1	PY	-.00065	-.00065	0	0
34	MP ALPHA3	PY	-.00065	-.00065	0	0
35	MP ALPHA2	PY	-.00065	-.00065	0	0
36	MP ALPHA1	PY	-.00065	-.00065	0	0
37	FACE3	PY	-.000536	-.000536	0	0
38	FACE2	PY	-.000536	-.000536	0	0

Member Distributed Loads (BLC 15 : Maintanence (0)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
39	FACE1	PY	-.000268	-.000268	0	0
40	CR6	PY	-.000637	-.000637	0	0
41	CR5	PY	-.000637	-.000637	0	0
42	CPL3	PY	-7.1e-5	-7.1e-5	0	0
43	CPL2	PY	-7.1e-5	-7.1e-5	0	0
44	CPL1	PY	-7.1e-5	-7.1e-5	0	0
45	ANGLE6	PY	-.000377	-.000377	0	0
46	ANGLE5	PY	-.000377	-.000377	0	0
47	ANGLE4	PY	-.000377	-.000377	0	0
48	ANGLE3	PY	-.000377	-.000377	0	0
49	ANGLE2	PY	-.000377	-.000377	0	0
50	ANGLE1	PY	-.000377	-.000377	0	0
51	CR4	PY	-.000637	-.000637	0	0
52	CR3	PY	-.000637	-.000637	0	0
53	CR2	PY	-.000637	-.000637	0	0
54	CR1	PY	-.000637	-.000637	0	0

Member Distributed Loads (BLC 16 : Maintanence (30))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SO3	PY	-.000408	-.000408	0	0
2	SO2	PY	-.000408	-.000408	0	0
3	SO1	PY	-.000408	-.000408	0	0
4	RPL3	PY	-.000735	-.000735	0	0
5	RPL2	PY	-.000735	-.000735	0	0
6	RPL1	PY	-.000735	-.000735	0	0
7	RAIL3	PY	-.000344	-.000344	0	0
8	RAIL2	PY	-.000344	-.000344	0	0
9	RAIL1	PY	-.000172	-.000172	0	0
10	PL18	PY	-6.1e-5	-6.1e-5	0	0
11	PL17	PY	-6.1e-5	-6.1e-5	0	0
12	PL16	PY	-6.1e-5	-6.1e-5	0	0
13	PL15	PY	-6.1e-5	-6.1e-5	0	0
14	PL14	PY	-6.1e-5	-6.1e-5	0	0
15	PL13	PY	-6.1e-5	-6.1e-5	0	0
16	PL12	PY	-6.1e-5	-6.1e-5	0	0
17	PL11	PY	-6.1e-5	-6.1e-5	0	0
18	PL10	PY	-6.1e-5	-6.1e-5	0	0
19	PL9	PY	-6.1e-5	-6.1e-5	0	0
20	PL8	PY	-6.1e-5	-6.1e-5	0	0
21	PL7	PY	-6.1e-5	-6.1e-5	0	0
22	PL6	PY	-6.1e-5	-6.1e-5	0	0
23	PL5	PY	-6.1e-5	-6.1e-5	0	0
24	PL4	PY	-6.1e-5	-6.1e-5	0	0
25	PL3	PY	-6.1e-5	-6.1e-5	0	0
26	PL2	PY	-6.1e-5	-6.1e-5	0	0
27	PL1	PY	-6.1e-5	-6.1e-5	0	0
28	MP GAMMA3	PY	-.000563	-.000563	0	0
29	MP GAMMA2	PY	-.000563	-.000563	0	0
30	MP GAMMA1	PY	-.000563	-.000563	0	0
31	MP BETA3	PY	-.000563	-.000563	0	0
32	MP BETA2	PY	-.000563	-.000563	0	0

Member Distributed Loads (BLC 16 : Maintanence (30)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
33	MP BETA1	PY	-.000563	-.000563	0	0
34	MP ALPHA3	PY	-.000563	-.000563	0	0
35	MP ALPHA2	PY	-.000563	-.000563	0	0
36	MP ALPHA1	PY	-.000563	-.000563	0	0
37	FACE3	PY	-.000464	-.000464	0	0
38	FACE2	PY	-.000464	-.000464	0	0
39	FACE1	PY	-.000232	-.000232	0	0
40	CR6	PY	-.000552	-.000552	0	0
41	CR5	PY	-.000552	-.000552	0	0
42	CPL3	PY	-6.1e-5	-6.1e-5	0	0
43	CPL2	PY	-6.1e-5	-6.1e-5	0	0
44	CPL1	PY	-6.1e-5	-6.1e-5	0	0
45	ANGLE6	PY	-.000326	-.000326	0	0
46	ANGLE5	PY	-.000326	-.000326	0	0
47	ANGLE4	PY	-.000326	-.000326	0	0
48	ANGLE3	PY	-.000326	-.000326	0	0
49	ANGLE2	PY	-.000326	-.000326	0	0
50	ANGLE1	PY	-.000326	-.000326	0	0
51	SO3	PX	-.000236	-.000236	0	0
52	SO2	PX	-.000236	-.000236	0	0
53	SO1	PX	-.000236	-.000236	0	0
54	RPL3	PX	-.000424	-.000424	0	0
55	RPL2	PX	-.000424	-.000424	0	0
56	RPL1	PX	-.000424	-.000424	0	0
57	RAIL3	PX	-.000199	-.000199	0	0
58	RAIL2	PX	-.000199	-.000199	0	0
59	RAIL1	PX	-9.9e-5	-9.9e-5	0	0
60	PL18	PX	-3.5e-5	-3.5e-5	0	0
61	PL17	PX	-3.5e-5	-3.5e-5	0	0
62	PL16	PX	-3.5e-5	-3.5e-5	0	0
63	PL15	PX	-3.5e-5	-3.5e-5	0	0
64	PL14	PX	-3.5e-5	-3.5e-5	0	0
65	PL13	PX	-3.5e-5	-3.5e-5	0	0
66	PL12	PX	-3.5e-5	-3.5e-5	0	0
67	PL11	PX	-3.5e-5	-3.5e-5	0	0
68	PL10	PX	-3.5e-5	-3.5e-5	0	0
69	PL9	PX	-3.5e-5	-3.5e-5	0	0
70	PL8	PX	-3.5e-5	-3.5e-5	0	0
71	PL7	PX	-3.5e-5	-3.5e-5	0	0
72	PL6	PX	-3.5e-5	-3.5e-5	0	0
73	PL5	PX	-3.5e-5	-3.5e-5	0	0
74	PL4	PX	-3.5e-5	-3.5e-5	0	0
75	PL3	PX	-3.5e-5	-3.5e-5	0	0
76	PL2	PX	-3.5e-5	-3.5e-5	0	0
77	PL1	PX	-3.5e-5	-3.5e-5	0	0
78	MP GAMMA3	PX	-.000325	-.000325	0	0
79	MP GAMMA2	PX	-.000325	-.000325	0	0
80	MP GAMMA1	PX	-.000325	-.000325	0	0
81	MP BETA3	PX	-.000325	-.000325	0	0
82	MP BETA2	PX	-.000325	-.000325	0	0
83	MP BETA1	PX	-.000325	-.000325	0	0
84	MP ALPHA3	PX	-.000325	-.000325	0	0

Member Distributed Loads (BLC 16 : Maintanence (30)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
85	MP ALPHA2	PX	-.000325	-.000325	0	0
86	MP ALPHA1	PX	-.000325	-.000325	0	0
87	FACE3	PX	-.000268	-.000268	0	0
88	FACE2	PX	-.000268	-.000268	0	0
89	FACE1	PX	-.000134	-.000134	0	0
90	CR6	PX	-.000319	-.000319	0	0
91	CR5	PX	-.000319	-.000319	0	0
92	CPL3	PX	-3.5e-5	-3.5e-5	0	0
93	CPL2	PX	-3.5e-5	-3.5e-5	0	0
94	CPL1	PX	-3.5e-5	-3.5e-5	0	0
95	ANGLE6	PX	-.000188	-.000188	0	0
96	ANGLE5	PX	-.000188	-.000188	0	0
97	ANGLE4	PX	-.000188	-.000188	0	0
98	ANGLE3	PX	-.000188	-.000188	0	0
99	ANGLE2	PX	-.000188	-.000188	0	0
100	ANGLE1	PX	-.000188	-.000188	0	0
101	CR4	PY	-.000552	-.000552	0	0
102	CR4	PX	-.000319	-.000319	0	0
103	CR3	PY	-.000552	-.000552	0	0
104	CR3	PX	-.000319	-.000319	0	0
105	CR2	PY	-.000552	-.000552	0	0
106	CR2	PX	-.000319	-.000319	0	0
107	CR1	PY	-.000552	-.000552	0	0
108	CR1	PX	-.000319	-.000319	0	0

Member Distributed Loads (BLC 17 : Maintanence (60))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SO3	PY	-.000236	-.000236	0	0
2	SO2	PY	-.000236	-.000236	0	0
3	SO1	PY	-.000236	-.000236	0	0
4	RPL3	PY	-.000424	-.000424	0	0
5	RPL2	PY	-.000424	-.000424	0	0
6	RPL1	PY	-.000424	-.000424	0	0
7	RAIL3	PY	-.000199	-.000199	0	0
8	RAIL2	PY	-.000199	-.000199	0	0
9	RAIL1	PY	-9.9e-5	-9.9e-5	0	0
10	PL18	PY	-3.5e-5	-3.5e-5	0	0
11	PL17	PY	-3.5e-5	-3.5e-5	0	0
12	PL16	PY	-3.5e-5	-3.5e-5	0	0
13	PL15	PY	-3.5e-5	-3.5e-5	0	0
14	PL14	PY	-3.5e-5	-3.5e-5	0	0
15	PL13	PY	-3.5e-5	-3.5e-5	0	0
16	PL12	PY	-3.5e-5	-3.5e-5	0	0
17	PL11	PY	-3.5e-5	-3.5e-5	0	0
18	PL10	PY	-3.5e-5	-3.5e-5	0	0
19	PL9	PY	-3.5e-5	-3.5e-5	0	0
20	PL8	PY	-3.5e-5	-3.5e-5	0	0
21	PL7	PY	-3.5e-5	-3.5e-5	0	0
22	PL6	PY	-3.5e-5	-3.5e-5	0	0
23	PL5	PY	-3.5e-5	-3.5e-5	0	0
24	PL4	PY	-3.5e-5	-3.5e-5	0	0

Member Distributed Loads (BLC 17 : Maintanence (60)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
25	PL3	PY	-3.5e-5	-3.5e-5	0	0
26	PL2	PY	-3.5e-5	-3.5e-5	0	0
27	PL1	PY	-3.5e-5	-3.5e-5	0	0
28	MP GAMMA3	PY	-.000325	-.000325	0	0
29	MP GAMMA2	PY	-.000325	-.000325	0	0
30	MP GAMMA1	PY	-.000325	-.000325	0	0
31	MP BETA3	PY	-.000325	-.000325	0	0
32	MP BETA2	PY	-.000325	-.000325	0	0
33	MP BETA1	PY	-.000325	-.000325	0	0
34	MP ALPHA3	PY	-.000325	-.000325	0	0
35	MP ALPHA2	PY	-.000325	-.000325	0	0
36	MP ALPHA1	PY	-.000325	-.000325	0	0
37	FACE3	PY	-.000268	-.000268	0	0
38	FACE2	PY	-.000268	-.000268	0	0
39	FACE1	PY	-.000134	-.000134	0	0
40	CR6	PY	-.000319	-.000319	0	0
41	CR5	PY	-.000319	-.000319	0	0
42	CPL3	PY	-3.5e-5	-3.5e-5	0	0
43	CPL2	PY	-3.5e-5	-3.5e-5	0	0
44	CPL1	PY	-3.5e-5	-3.5e-5	0	0
45	ANGLE6	PY	-.000188	-.000188	0	0
46	ANGLE5	PY	-.000188	-.000188	0	0
47	ANGLE4	PY	-.000188	-.000188	0	0
48	ANGLE3	PY	-.000188	-.000188	0	0
49	ANGLE2	PY	-.000188	-.000188	0	0
50	ANGLE1	PY	-.000188	-.000188	0	0
51	SO3	PX	-.000408	-.000408	0	0
52	SO2	PX	-.000408	-.000408	0	0
53	SO1	PX	-.000408	-.000408	0	0
54	RPL3	PX	-.000735	-.000735	0	0
55	RPL2	PX	-.000735	-.000735	0	0
56	RPL1	PX	-.000735	-.000735	0	0
57	RAIL3	PX	-.000344	-.000344	0	0
58	RAIL2	PX	-.000344	-.000344	0	0
59	RAIL1	PX	-.000172	-.000172	0	0
60	PL18	PX	-6.1e-5	-6.1e-5	0	0
61	PL17	PX	-6.1e-5	-6.1e-5	0	0
62	PL16	PX	-6.1e-5	-6.1e-5	0	0
63	PL15	PX	-6.1e-5	-6.1e-5	0	0
64	PL14	PX	-6.1e-5	-6.1e-5	0	0
65	PL13	PX	-6.1e-5	-6.1e-5	0	0
66	PL12	PX	-6.1e-5	-6.1e-5	0	0
67	PL11	PX	-6.1e-5	-6.1e-5	0	0
68	PL10	PX	-6.1e-5	-6.1e-5	0	0
69	PL9	PX	-6.1e-5	-6.1e-5	0	0
70	PL8	PX	-6.1e-5	-6.1e-5	0	0
71	PL7	PX	-6.1e-5	-6.1e-5	0	0
72	PL6	PX	-6.1e-5	-6.1e-5	0	0
73	PL5	PX	-6.1e-5	-6.1e-5	0	0
74	PL4	PX	-6.1e-5	-6.1e-5	0	0
75	PL3	PX	-6.1e-5	-6.1e-5	0	0
76	PL2	PX	-6.1e-5	-6.1e-5	0	0

Member Distributed Loads (BLC 17 : Maintanence (60)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
77	PL1	PX	-6.1e-5	-6.1e-5	0	0
78	MP GAMMA3	PX	-.000563	-.000563	0	0
79	MP GAMMA2	PX	-.000563	-.000563	0	0
80	MP GAMMA1	PX	-.000563	-.000563	0	0
81	MP BETA3	PX	-.000563	-.000563	0	0
82	MP BETA2	PX	-.000563	-.000563	0	0
83	MP BETA1	PX	-.000563	-.000563	0	0
84	MP ALPHA3	PX	-.000563	-.000563	0	0
85	MP ALPHA2	PX	-.000563	-.000563	0	0
86	MP ALPHA1	PX	-.000563	-.000563	0	0
87	FACE3	PX	-.000464	-.000464	0	0
88	FACE2	PX	-.000464	-.000464	0	0
89	FACE1	PX	-.000232	-.000232	0	0
90	CR6	PX	-.000552	-.000552	0	0
91	CR5	PX	-.000552	-.000552	0	0
92	CPL3	PX	-6.1e-5	-6.1e-5	0	0
93	CPL2	PX	-6.1e-5	-6.1e-5	0	0
94	CPL1	PX	-6.1e-5	-6.1e-5	0	0
95	ANGLE6	PX	-.000326	-.000326	0	0
96	ANGLE5	PX	-.000326	-.000326	0	0
97	ANGLE4	PX	-.000326	-.000326	0	0
98	ANGLE3	PX	-.000326	-.000326	0	0
99	ANGLE2	PX	-.000326	-.000326	0	0
100	ANGLE1	PX	-.000326	-.000326	0	0
101	CR4	PY	-.000319	-.000319	0	0
102	CR4	PX	-.000552	-.000552	0	0
103	CR3	PY	-.000319	-.000319	0	0
104	CR3	PX	-.000552	-.000552	0	0
105	CR2	PY	-.000319	-.000319	0	0
106	CR2	PX	-.000552	-.000552	0	0
107	CR1	PY	-.000319	-.000319	0	0
108	CR1	PX	-.000552	-.000552	0	0

Member Distributed Loads (BLC 18 : Maintanence (90))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SO3	PX	-.000471	-.000471	0	0
2	SO2	PX	-.000471	-.000471	0	0
3	SO1	PX	-.000471	-.000471	0	0
4	RPL3	PX	-.000848	-.000848	0	0
5	RPL2	PX	-.000848	-.000848	0	0
6	RPL1	PX	-.000848	-.000848	0	0
7	RAIL1	PX	-.000398	-.000398	0	0
8	RAIL3	PX	-.000398	-.000398	0	0
9	RAIL2	PX	-.000199	-.000199	0	0
10	PL18	PX	-7.1e-5	-7.1e-5	0	0
11	PL17	PX	-7.1e-5	-7.1e-5	0	0
12	PL16	PX	-7.1e-5	-7.1e-5	0	0
13	PL15	PX	-7.1e-5	-7.1e-5	0	0
14	PL14	PX	-7.1e-5	-7.1e-5	0	0
15	PL13	PX	-7.1e-5	-7.1e-5	0	0
16	PL12	PX	-7.1e-5	-7.1e-5	0	0

Member Distributed Loads (BLC 18 : Maintanence (90)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	PL11	PX	-7.1e-5	-7.1e-5	0	0
18	PL10	PX	-7.1e-5	-7.1e-5	0	0
19	PL9	PX	-7.1e-5	-7.1e-5	0	0
20	PL8	PX	-7.1e-5	-7.1e-5	0	0
21	PL7	PX	-7.1e-5	-7.1e-5	0	0
22	PL6	PX	-7.1e-5	-7.1e-5	0	0
23	PL5	PX	-7.1e-5	-7.1e-5	0	0
24	PL4	PX	-7.1e-5	-7.1e-5	0	0
25	PL3	PX	-7.1e-5	-7.1e-5	0	0
26	PL2	PX	-7.1e-5	-7.1e-5	0	0
27	PL1	PX	-7.1e-5	-7.1e-5	0	0
28	MP GAMMA3	PX	-.00065	-.00065	0	0
29	MP GAMMA2	PX	-.00065	-.00065	0	0
30	MP GAMMA1	PX	-.00065	-.00065	0	0
31	MP BETA3	PX	-.00065	-.00065	0	0
32	MP BETA2	PX	-.00065	-.00065	0	0
33	MP BETA1	PX	-.00065	-.00065	0	0
34	MP ALPHA3	PX	-.00065	-.00065	0	0
35	MP ALPHA2	PX	-.00065	-.00065	0	0
36	MP ALPHA1	PX	-.00065	-.00065	0	0
37	FACE3	PX	-.000536	-.000536	0	0
38	FACE1	PX	-.000536	-.000536	0	0
39	FACE2	PX	-.000268	-.000268	0	0
40	CR6	PX	-.000637	-.000637	0	0
41	CR5	PX	-.000637	-.000637	0	0
42	CPL3	PX	-7.1e-5	-7.1e-5	0	0
43	CPL2	PX	-7.1e-5	-7.1e-5	0	0
44	CPL1	PX	-7.1e-5	-7.1e-5	0	0
45	ANGLE6	PX	-.000377	-.000377	0	0
46	ANGLE5	PX	-.000377	-.000377	0	0
47	ANGLE4	PX	-.000377	-.000377	0	0
48	ANGLE3	PX	-.000377	-.000377	0	0
49	ANGLE2	PX	-.000377	-.000377	0	0
50	ANGLE1	PX	-.000377	-.000377	0	0
51	CR4	PX	-.000637	-.000637	0	0
52	CR3	PX	-.000637	-.000637	0	0
53	CR2	PX	-.000637	-.000637	0	0
54	CR1	PX	-.000637	-.000637	0	0

Member Distributed Loads (BLC 19 : Maintanence (120))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SO3	PY	.000236	.000236	0	0
2	SO2	PY	.000236	.000236	0	0
3	SO1	PY	.000236	.000236	0	0
4	RPL3	PY	.000424	.000424	0	0
5	RPL2	PY	.000424	.000424	0	0
6	RPL1	PY	.000424	.000424	0	0
7	RAIL1	PY	.000199	.000199	0	0
8	RAIL3	PY	.000199	.000199	0	0
9	RAIL2	PY	9.9e-5	9.9e-5	0	0
10	PL18	PY	3.5e-5	3.5e-5	0	0

Member Distributed Loads (BLC 19 : Maintanence (120)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
11	PL17	PY	3.5e-5	3.5e-5	0	0
12	PL16	PY	3.5e-5	3.5e-5	0	0
13	PL15	PY	3.5e-5	3.5e-5	0	0
14	PL14	PY	3.5e-5	3.5e-5	0	0
15	PL13	PY	3.5e-5	3.5e-5	0	0
16	PL12	PY	3.5e-5	3.5e-5	0	0
17	PL11	PY	3.5e-5	3.5e-5	0	0
18	PL10	PY	3.5e-5	3.5e-5	0	0
19	PL9	PY	3.5e-5	3.5e-5	0	0
20	PL8	PY	3.5e-5	3.5e-5	0	0
21	PL7	PY	3.5e-5	3.5e-5	0	0
22	PL6	PY	3.5e-5	3.5e-5	0	0
23	PL5	PY	3.5e-5	3.5e-5	0	0
24	PL4	PY	3.5e-5	3.5e-5	0	0
25	PL3	PY	3.5e-5	3.5e-5	0	0
26	PL2	PY	3.5e-5	3.5e-5	0	0
27	PL1	PY	3.5e-5	3.5e-5	0	0
28	MP GAMMA3	PY	.000325	.000325	0	0
29	MP GAMMA2	PY	.000325	.000325	0	0
30	MP GAMMA1	PY	.000325	.000325	0	0
31	MP BETA3	PY	.000325	.000325	0	0
32	MP BETA2	PY	.000325	.000325	0	0
33	MP BETA1	PY	.000325	.000325	0	0
34	MP ALPHA3	PY	.000325	.000325	0	0
35	MP ALPHA2	PY	.000325	.000325	0	0
36	MP ALPHA1	PY	.000325	.000325	0	0
37	FACE3	PY	.000268	.000268	0	0
38	FACE1	PY	.000268	.000268	0	0
39	FACE2	PY	.000134	.000134	0	0
40	CR6	PY	.000319	.000319	0	0
41	CR5	PY	.000319	.000319	0	0
42	CPL3	PY	3.5e-5	3.5e-5	0	0
43	CPL2	PY	3.5e-5	3.5e-5	0	0
44	CPL1	PY	3.5e-5	3.5e-5	0	0
45	ANGLE6	PY	.000188	.000188	0	0
46	ANGLE5	PY	.000188	.000188	0	0
47	ANGLE4	PY	.000188	.000188	0	0
48	ANGLE3	PY	.000188	.000188	0	0
49	ANGLE2	PY	.000188	.000188	0	0
50	ANGLE1	PY	.000188	.000188	0	0
51	SO3	PX	-.000408	-.000408	0	0
52	SO2	PX	-.000408	-.000408	0	0
53	SO1	PX	-.000408	-.000408	0	0
54	RPL3	PX	-.000735	-.000735	0	0
55	RPL2	PX	-.000735	-.000735	0	0
56	RPL1	PX	-.000735	-.000735	0	0
57	RAIL1	PX	-.000344	-.000344	0	0
58	RAIL3	PX	-.000344	-.000344	0	0
59	RAIL2	PX	-.000172	-.000172	0	0
60	PL18	PX	-6.1e-5	-6.1e-5	0	0
61	PL17	PX	-6.1e-5	-6.1e-5	0	0
62	PL16	PX	-6.1e-5	-6.1e-5	0	0

Member Distributed Loads (BLC 19 : Maintanence (120)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
63	PL15	PX	-6.1e-5	-6.1e-5	0	0
64	PL14	PX	-6.1e-5	-6.1e-5	0	0
65	PL13	PX	-6.1e-5	-6.1e-5	0	0
66	PL12	PX	-6.1e-5	-6.1e-5	0	0
67	PL11	PX	-6.1e-5	-6.1e-5	0	0
68	PL10	PX	-6.1e-5	-6.1e-5	0	0
69	PL9	PX	-6.1e-5	-6.1e-5	0	0
70	PL8	PX	-6.1e-5	-6.1e-5	0	0
71	PL7	PX	-6.1e-5	-6.1e-5	0	0
72	PL6	PX	-6.1e-5	-6.1e-5	0	0
73	PL5	PX	-6.1e-5	-6.1e-5	0	0
74	PL4	PX	-6.1e-5	-6.1e-5	0	0
75	PL3	PX	-6.1e-5	-6.1e-5	0	0
76	PL2	PX	-6.1e-5	-6.1e-5	0	0
77	PL1	PX	-6.1e-5	-6.1e-5	0	0
78	MP GAMMA3	PX	-.000563	-.000563	0	0
79	MP GAMMA2	PX	-.000563	-.000563	0	0
80	MP GAMMA1	PX	-.000563	-.000563	0	0
81	MP BETA3	PX	-.000563	-.000563	0	0
82	MP BETA2	PX	-.000563	-.000563	0	0
83	MP BETA1	PX	-.000563	-.000563	0	0
84	MP ALPHA3	PX	-.000563	-.000563	0	0
85	MP ALPHA2	PX	-.000563	-.000563	0	0
86	MP ALPHA1	PX	-.000563	-.000563	0	0
87	FACE3	PX	-.000464	-.000464	0	0
88	FACE1	PX	-.000464	-.000464	0	0
89	FACE2	PX	-.000232	-.000232	0	0
90	CR6	PX	-.000552	-.000552	0	0
91	CR5	PX	-.000552	-.000552	0	0
92	CPL3	PX	-6.1e-5	-6.1e-5	0	0
93	CPL2	PX	-6.1e-5	-6.1e-5	0	0
94	CPL1	PX	-6.1e-5	-6.1e-5	0	0
95	ANGLE6	PX	-.000326	-.000326	0	0
96	ANGLE5	PX	-.000326	-.000326	0	0
97	ANGLE4	PX	-.000326	-.000326	0	0
98	ANGLE3	PX	-.000326	-.000326	0	0
99	ANGLE2	PX	-.000326	-.000326	0	0
100	ANGLE1	PX	-.000326	-.000326	0	0
101	CR4	PY	.000319	.000319	0	0
102	CR4	PX	-.000552	-.000552	0	0
103	CR3	PY	.000319	.000319	0	0
104	CR3	PX	-.000552	-.000552	0	0
105	CR2	PY	.000319	.000319	0	0
106	CR2	PX	-.000552	-.000552	0	0
107	CR1	PY	.000319	.000319	0	0
108	CR1	PX	-.000552	-.000552	0	0

Member Distributed Loads (BLC 20 : Maintanence (150))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SO3	PY	.000408	.000408	0	0
2	SO2	PY	.000408	.000408	0	0

Member Distributed Loads (BLC 20 : Maintanence (150)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
3	SO1	PY	.000408	.000408	0	0
4	RPL3	PY	.000735	.000735	0	0
5	RPL2	PY	.000735	.000735	0	0
6	RPL1	PY	.000735	.000735	0	0
7	RAIL1	PY	.000344	.000344	0	0
8	RAIL3	PY	.000344	.000344	0	0
9	RAIL2	PY	.000172	.000172	0	0
10	PL18	PY	6.1e-5	6.1e-5	0	0
11	PL17	PY	6.1e-5	6.1e-5	0	0
12	PL16	PY	6.1e-5	6.1e-5	0	0
13	PL15	PY	6.1e-5	6.1e-5	0	0
14	PL14	PY	6.1e-5	6.1e-5	0	0
15	PL13	PY	6.1e-5	6.1e-5	0	0
16	PL12	PY	6.1e-5	6.1e-5	0	0
17	PL11	PY	6.1e-5	6.1e-5	0	0
18	PL10	PY	6.1e-5	6.1e-5	0	0
19	PL9	PY	6.1e-5	6.1e-5	0	0
20	PL8	PY	6.1e-5	6.1e-5	0	0
21	PL7	PY	6.1e-5	6.1e-5	0	0
22	PL6	PY	6.1e-5	6.1e-5	0	0
23	PL5	PY	6.1e-5	6.1e-5	0	0
24	PL4	PY	6.1e-5	6.1e-5	0	0
25	PL3	PY	6.1e-5	6.1e-5	0	0
26	PL2	PY	6.1e-5	6.1e-5	0	0
27	PL1	PY	6.1e-5	6.1e-5	0	0
28	MP GAMMA3	PY	.000563	.000563	0	0
29	MP GAMMA2	PY	.000563	.000563	0	0
30	MP GAMMA1	PY	.000563	.000563	0	0
31	MP BETA3	PY	.000563	.000563	0	0
32	MP BETA2	PY	.000563	.000563	0	0
33	MP BETA1	PY	.000563	.000563	0	0
34	MP ALPHA3	PY	.000563	.000563	0	0
35	MP ALPHA2	PY	.000563	.000563	0	0
36	MP ALPHA1	PY	.000563	.000563	0	0
37	FACE3	PY	.000464	.000464	0	0
38	FACE1	PY	.000464	.000464	0	0
39	FACE2	PY	.000232	.000232	0	0
40	CR6	PY	.000552	.000552	0	0
41	CR5	PY	.000552	.000552	0	0
42	CPL3	PY	6.1e-5	6.1e-5	0	0
43	CPL2	PY	6.1e-5	6.1e-5	0	0
44	CPL1	PY	6.1e-5	6.1e-5	0	0
45	ANGLE6	PY	.000326	.000326	0	0
46	ANGLE5	PY	.000326	.000326	0	0
47	ANGLE4	PY	.000326	.000326	0	0
48	ANGLE3	PY	.000326	.000326	0	0
49	ANGLE2	PY	.000326	.000326	0	0
50	ANGLE1	PY	.000326	.000326	0	0
51	SO3	PX	-.000236	-.000236	0	0
52	SO2	PX	-.000236	-.000236	0	0
53	SO1	PX	-.000236	-.000236	0	0
54	RPL3	PX	-.000424	-.000424	0	0

Member Distributed Loads (BLC 20 : Maintanence (150)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
55	RPL2	PX	-.000424	-.000424	0	0
56	RPL1	PX	-.000424	-.000424	0	0
57	RAIL1	PX	-.000199	-.000199	0	0
58	RAIL3	PX	-.000199	-.000199	0	0
59	RAIL2	PX	-9.9e-5	-9.9e-5	0	0
60	PL18	PX	-3.5e-5	-3.5e-5	0	0
61	PL17	PX	-3.5e-5	-3.5e-5	0	0
62	PL16	PX	-3.5e-5	-3.5e-5	0	0
63	PL15	PX	-3.5e-5	-3.5e-5	0	0
64	PL14	PX	-3.5e-5	-3.5e-5	0	0
65	PL13	PX	-3.5e-5	-3.5e-5	0	0
66	PL12	PX	-3.5e-5	-3.5e-5	0	0
67	PL11	PX	-3.5e-5	-3.5e-5	0	0
68	PL10	PX	-3.5e-5	-3.5e-5	0	0
69	PL9	PX	-3.5e-5	-3.5e-5	0	0
70	PL8	PX	-3.5e-5	-3.5e-5	0	0
71	PL7	PX	-3.5e-5	-3.5e-5	0	0
72	PL6	PX	-3.5e-5	-3.5e-5	0	0
73	PL5	PX	-3.5e-5	-3.5e-5	0	0
74	PL4	PX	-3.5e-5	-3.5e-5	0	0
75	PL3	PX	-3.5e-5	-3.5e-5	0	0
76	PL2	PX	-3.5e-5	-3.5e-5	0	0
77	PL1	PX	-3.5e-5	-3.5e-5	0	0
78	MP GAMMA3	PX	-.000325	-.000325	0	0
79	MP GAMMA2	PX	-.000325	-.000325	0	0
80	MP GAMMA1	PX	-.000325	-.000325	0	0
81	MP BETA3	PX	-.000325	-.000325	0	0
82	MP BETA2	PX	-.000325	-.000325	0	0
83	MP BETA1	PX	-.000325	-.000325	0	0
84	MP ALPHA3	PX	-.000325	-.000325	0	0
85	MP ALPHA2	PX	-.000325	-.000325	0	0
86	MP ALPHA1	PX	-.000325	-.000325	0	0
87	FACE3	PX	-.000268	-.000268	0	0
88	FACE1	PX	-.000268	-.000268	0	0
89	FACE2	PX	-.000134	-.000134	0	0
90	CR6	PX	-.000319	-.000319	0	0
91	CR5	PX	-.000319	-.000319	0	0
92	CPL3	PX	-3.5e-5	-3.5e-5	0	0
93	CPL2	PX	-3.5e-5	-3.5e-5	0	0
94	CPL1	PX	-3.5e-5	-3.5e-5	0	0
95	ANGLE6	PX	-.000188	-.000188	0	0
96	ANGLE5	PX	-.000188	-.000188	0	0
97	ANGLE4	PX	-.000188	-.000188	0	0
98	ANGLE3	PX	-.000188	-.000188	0	0
99	ANGLE2	PX	-.000188	-.000188	0	0
100	ANGLE1	PX	-.000188	-.000188	0	0
101	CR4	PY	.000552	.000552	0	0
102	CR4	PX	-.000319	-.000319	0	0
103	CR3	PY	.000552	.000552	0	0
104	CR3	PX	-.000319	-.000319	0	0
105	CR2	PY	.000552	.000552	0	0
106	CR2	PX	-.000319	-.000319	0	0

Member Distributed Loads (BLC 20 : Maintanence (150)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
107	CR1	PY	.000552	.000552	0	0
108	CR1	PX	-.000319	-.000319	0	0

Member Distributed Loads (BLC 21 : Maintanence (180))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SO3	PY	.000471	.000471	0	0
2	SO2	PY	.000471	.000471	0	0
3	SO1	PY	.000471	.000471	0	0
4	RPL3	PY	.000848	.000848	0	0
5	RPL2	PY	.000848	.000848	0	0
6	RPL1	PY	.000848	.000848	0	0
7	RAIL1	PY	.000398	.000398	0	0
8	RAIL3	PY	.000398	.000398	0	0
9	RAIL2	PY	.000199	.000199	0	0
10	PL18	PY	7.1e-5	7.1e-5	0	0
11	PL17	PY	7.1e-5	7.1e-5	0	0
12	PL16	PY	7.1e-5	7.1e-5	0	0
13	PL15	PY	7.1e-5	7.1e-5	0	0
14	PL14	PY	7.1e-5	7.1e-5	0	0
15	PL13	PY	7.1e-5	7.1e-5	0	0
16	PL12	PY	7.1e-5	7.1e-5	0	0
17	PL11	PY	7.1e-5	7.1e-5	0	0
18	PL10	PY	7.1e-5	7.1e-5	0	0
19	PL9	PY	7.1e-5	7.1e-5	0	0
20	PL8	PY	7.1e-5	7.1e-5	0	0
21	PL7	PY	7.1e-5	7.1e-5	0	0
22	PL6	PY	7.1e-5	7.1e-5	0	0
23	PL5	PY	7.1e-5	7.1e-5	0	0
24	PL4	PY	7.1e-5	7.1e-5	0	0
25	PL3	PY	7.1e-5	7.1e-5	0	0
26	PL2	PY	7.1e-5	7.1e-5	0	0
27	PL1	PY	7.1e-5	7.1e-5	0	0
28	MP GAMMA3	PY	.00065	.00065	0	0
29	MP GAMMA2	PY	.00065	.00065	0	0
30	MP GAMMA1	PY	.00065	.00065	0	0
31	MP BETA3	PY	.00065	.00065	0	0
32	MP BETA2	PY	.00065	.00065	0	0
33	MP BETA1	PY	.00065	.00065	0	0
34	MP ALPHA3	PY	.00065	.00065	0	0
35	MP ALPHA2	PY	.00065	.00065	0	0
36	MP ALPHA1	PY	.00065	.00065	0	0
37	FACE3	PY	.000536	.000536	0	0
38	FACE1	PY	.000536	.000536	0	0
39	FACE2	PY	.000268	.000268	0	0
40	CR6	PY	.000637	.000637	0	0
41	CR5	PY	.000637	.000637	0	0
42	CPL3	PY	7.1e-5	7.1e-5	0	0
43	CPL2	PY	7.1e-5	7.1e-5	0	0
44	CPL1	PY	7.1e-5	7.1e-5	0	0
45	ANGLE6	PY	.000377	.000377	0	0
46	ANGLE5	PY	.000377	.000377	0	0

Member Distributed Loads (BLC 21 : Maintanence (180)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
47	ANGLE4	PY	.000377	.000377	0	0
48	ANGLE3	PY	.000377	.000377	0	0
49	ANGLE2	PY	.000377	.000377	0	0
50	ANGLE1	PY	.000377	.000377	0	0
51	CR4	PY	.000637	.000637	0	0
52	CR3	PY	.000637	.000637	0	0
53	CR2	PY	.000637	.000637	0	0
54	CR1	PY	.000637	.000637	0	0

Member Distributed Loads (BLC 22 : Maintanence (210))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SO3	PY	.000408	.000408	0	0
2	SO2	PY	.000408	.000408	0	0
3	SO1	PY	.000408	.000408	0	0
4	RPL3	PY	.000735	.000735	0	0
5	RPL2	PY	.000735	.000735	0	0
6	RPL1	PY	.000735	.000735	0	0
7	RAIL1	PY	.000344	.000344	0	0
8	RAIL2	PY	.000344	.000344	0	0
9	RAIL3	PY	.000172	.000172	0	0
10	PL18	PY	6.1e-5	6.1e-5	0	0
11	PL17	PY	6.1e-5	6.1e-5	0	0
12	PL16	PY	6.1e-5	6.1e-5	0	0
13	PL15	PY	6.1e-5	6.1e-5	0	0
14	PL14	PY	6.1e-5	6.1e-5	0	0
15	PL13	PY	6.1e-5	6.1e-5	0	0
16	PL12	PY	6.1e-5	6.1e-5	0	0
17	PL11	PY	6.1e-5	6.1e-5	0	0
18	PL10	PY	6.1e-5	6.1e-5	0	0
19	PL9	PY	6.1e-5	6.1e-5	0	0
20	PL8	PY	6.1e-5	6.1e-5	0	0
21	PL7	PY	6.1e-5	6.1e-5	0	0
22	PL6	PY	6.1e-5	6.1e-5	0	0
23	PL5	PY	6.1e-5	6.1e-5	0	0
24	PL4	PY	6.1e-5	6.1e-5	0	0
25	PL3	PY	6.1e-5	6.1e-5	0	0
26	PL2	PY	6.1e-5	6.1e-5	0	0
27	PL1	PY	6.1e-5	6.1e-5	0	0
28	MP GAMMA3	PY	.000563	.000563	0	0
29	MP GAMMA2	PY	.000563	.000563	0	0
30	MP GAMMA1	PY	.000563	.000563	0	0
31	MP BETA3	PY	.000563	.000563	0	0
32	MP BETA2	PY	.000563	.000563	0	0
33	MP BETA1	PY	.000563	.000563	0	0
34	MP ALPHA3	PY	.000563	.000563	0	0
35	MP ALPHA2	PY	.000563	.000563	0	0
36	MP ALPHA1	PY	.000563	.000563	0	0
37	FACE1	PY	.000464	.000464	0	0
38	FACE2	PY	.000464	.000464	0	0
39	FACE3	PY	.000232	.000232	0	0
40	CR6	PY	.000552	.000552	0	0

Member Distributed Loads (BLC 22 : Maintanence (210)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
41	CR5	PY	.000552	.000552	0	0
42	CPL3	PY	6.1e-5	6.1e-5	0	0
43	CPL2	PY	6.1e-5	6.1e-5	0	0
44	CPL1	PY	6.1e-5	6.1e-5	0	0
45	ANGLE6	PY	.000326	.000326	0	0
46	ANGLE5	PY	.000326	.000326	0	0
47	ANGLE4	PY	.000326	.000326	0	0
48	ANGLE3	PY	.000326	.000326	0	0
49	ANGLE2	PY	.000326	.000326	0	0
50	ANGLE1	PY	.000326	.000326	0	0
51	SO3	PX	.000236	.000236	0	0
52	SO2	PX	.000236	.000236	0	0
53	SO1	PX	.000236	.000236	0	0
54	RPL3	PX	.000424	.000424	0	0
55	RPL2	PX	.000424	.000424	0	0
56	RPL1	PX	.000424	.000424	0	0
57	RAIL1	PX	.000199	.000199	0	0
58	RAIL2	PX	.000199	.000199	0	0
59	RAIL3	PX	9.9e-5	9.9e-5	0	0
60	PL18	PX	3.5e-5	3.5e-5	0	0
61	PL17	PX	3.5e-5	3.5e-5	0	0
62	PL16	PX	3.5e-5	3.5e-5	0	0
63	PL15	PX	3.5e-5	3.5e-5	0	0
64	PL14	PX	3.5e-5	3.5e-5	0	0
65	PL13	PX	3.5e-5	3.5e-5	0	0
66	PL12	PX	3.5e-5	3.5e-5	0	0
67	PL11	PX	3.5e-5	3.5e-5	0	0
68	PL10	PX	3.5e-5	3.5e-5	0	0
69	PL9	PX	3.5e-5	3.5e-5	0	0
70	PL8	PX	3.5e-5	3.5e-5	0	0
71	PL7	PX	3.5e-5	3.5e-5	0	0
72	PL6	PX	3.5e-5	3.5e-5	0	0
73	PL5	PX	3.5e-5	3.5e-5	0	0
74	PL4	PX	3.5e-5	3.5e-5	0	0
75	PL3	PX	3.5e-5	3.5e-5	0	0
76	PL2	PX	3.5e-5	3.5e-5	0	0
77	PL1	PX	3.5e-5	3.5e-5	0	0
78	MP GAMMA3	PX	.000325	.000325	0	0
79	MP GAMMA2	PX	.000325	.000325	0	0
80	MP GAMMA1	PX	.000325	.000325	0	0
81	MP BETA3	PX	.000325	.000325	0	0
82	MP BETA2	PX	.000325	.000325	0	0
83	MP BETA1	PX	.000325	.000325	0	0
84	MP ALPHA3	PX	.000325	.000325	0	0
85	MP ALPHA2	PX	.000325	.000325	0	0
86	MP ALPHA1	PX	.000325	.000325	0	0
87	FACE1	PX	.000268	.000268	0	0
88	FACE2	PX	.000268	.000268	0	0
89	FACE3	PX	.000134	.000134	0	0
90	CR6	PX	.000319	.000319	0	0
91	CR5	PX	.000319	.000319	0	0
92	CPL3	PX	3.5e-5	3.5e-5	0	0

Member Distributed Loads (BLC 22 : Maintanence (210)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
93	CPL2	PX	3.5e-5	3.5e-5	0	0
94	CPL1	PX	3.5e-5	3.5e-5	0	0
95	ANGLE6	PX	.000188	.000188	0	0
96	ANGLE5	PX	.000188	.000188	0	0
97	ANGLE4	PX	.000188	.000188	0	0
98	ANGLE3	PX	.000188	.000188	0	0
99	ANGLE2	PX	.000188	.000188	0	0
100	ANGLE1	PX	.000188	.000188	0	0
101	CR4	PY	.000552	.000552	0	0
102	CR4	PX	.000319	.000319	0	0
103	CR3	PY	.000552	.000552	0	0
104	CR3	PX	.000319	.000319	0	0
105	CR2	PY	.000552	.000552	0	0
106	CR2	PX	.000319	.000319	0	0
107	CR1	PY	.000552	.000552	0	0
108	CR1	PX	.000319	.000319	0	0

Member Distributed Loads (BLC 23 : Maintanence (240))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SO3	PY	.000236	.000236	0	0
2	SO2	PY	.000236	.000236	0	0
3	SO1	PY	.000236	.000236	0	0
4	RPL3	PY	.000424	.000424	0	0
5	RPL2	PY	.000424	.000424	0	0
6	RPL1	PY	.000424	.000424	0	0
7	RAIL1	PY	.000199	.000199	0	0
8	RAIL2	PY	.000199	.000199	0	0
9	RAIL3	PY	9.9e-5	9.9e-5	0	0
10	PL18	PY	3.5e-5	3.5e-5	0	0
11	PL17	PY	3.5e-5	3.5e-5	0	0
12	PL16	PY	3.5e-5	3.5e-5	0	0
13	PL15	PY	3.5e-5	3.5e-5	0	0
14	PL14	PY	3.5e-5	3.5e-5	0	0
15	PL13	PY	3.5e-5	3.5e-5	0	0
16	PL12	PY	3.5e-5	3.5e-5	0	0
17	PL11	PY	3.5e-5	3.5e-5	0	0
18	PL10	PY	3.5e-5	3.5e-5	0	0
19	PL9	PY	3.5e-5	3.5e-5	0	0
20	PL8	PY	3.5e-5	3.5e-5	0	0
21	PL7	PY	3.5e-5	3.5e-5	0	0
22	PL6	PY	3.5e-5	3.5e-5	0	0
23	PL5	PY	3.5e-5	3.5e-5	0	0
24	PL4	PY	3.5e-5	3.5e-5	0	0
25	PL3	PY	3.5e-5	3.5e-5	0	0
26	PL2	PY	3.5e-5	3.5e-5	0	0
27	PL1	PY	3.5e-5	3.5e-5	0	0
28	MP GAMMA3	PY	.000325	.000325	0	0
29	MP GAMMA2	PY	.000325	.000325	0	0
30	MP GAMMA1	PY	.000325	.000325	0	0
31	MP BETA3	PY	.000325	.000325	0	0
32	MP BETA2	PY	.000325	.000325	0	0

Member Distributed Loads (BLC 23 : Maintanence (240)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
33	MP BETA1	PY	.000325	.000325	0	0
34	MP ALPHA3	PY	.000325	.000325	0	0
35	MP ALPHA2	PY	.000325	.000325	0	0
36	MP ALPHA1	PY	.000325	.000325	0	0
37	FACE1	PY	.000268	.000268	0	0
38	FACE2	PY	.000268	.000268	0	0
39	FACE3	PY	.000134	.000134	0	0
40	CR6	PY	.000319	.000319	0	0
41	CR5	PY	.000319	.000319	0	0
42	CPL3	PY	3.5e-5	3.5e-5	0	0
43	CPL2	PY	3.5e-5	3.5e-5	0	0
44	CPL1	PY	3.5e-5	3.5e-5	0	0
45	ANGLE6	PY	.000188	.000188	0	0
46	ANGLE5	PY	.000188	.000188	0	0
47	ANGLE4	PY	.000188	.000188	0	0
48	ANGLE3	PY	.000188	.000188	0	0
49	ANGLE2	PY	.000188	.000188	0	0
50	ANGLE1	PY	.000188	.000188	0	0
51	SO3	PX	.000408	.000408	0	0
52	SO2	PX	.000408	.000408	0	0
53	SO1	PX	.000408	.000408	0	0
54	RPL3	PX	.000735	.000735	0	0
55	RPL2	PX	.000735	.000735	0	0
56	RPL1	PX	.000735	.000735	0	0
57	RAIL1	PX	.000344	.000344	0	0
58	RAIL2	PX	.000344	.000344	0	0
59	RAIL3	PX	.000172	.000172	0	0
60	PL18	PX	6.1e-5	6.1e-5	0	0
61	PL17	PX	6.1e-5	6.1e-5	0	0
62	PL16	PX	6.1e-5	6.1e-5	0	0
63	PL15	PX	6.1e-5	6.1e-5	0	0
64	PL14	PX	6.1e-5	6.1e-5	0	0
65	PL13	PX	6.1e-5	6.1e-5	0	0
66	PL12	PX	6.1e-5	6.1e-5	0	0
67	PL11	PX	6.1e-5	6.1e-5	0	0
68	PL10	PX	6.1e-5	6.1e-5	0	0
69	PL9	PX	6.1e-5	6.1e-5	0	0
70	PL8	PX	6.1e-5	6.1e-5	0	0
71	PL7	PX	6.1e-5	6.1e-5	0	0
72	PL6	PX	6.1e-5	6.1e-5	0	0
73	PL5	PX	6.1e-5	6.1e-5	0	0
74	PL4	PX	6.1e-5	6.1e-5	0	0
75	PL3	PX	6.1e-5	6.1e-5	0	0
76	PL2	PX	6.1e-5	6.1e-5	0	0
77	PL1	PX	6.1e-5	6.1e-5	0	0
78	MP GAMMA3	PX	.000563	.000563	0	0
79	MP GAMMA2	PX	.000563	.000563	0	0
80	MP GAMMA1	PX	.000563	.000563	0	0
81	MP BETA3	PX	.000563	.000563	0	0
82	MP BETA2	PX	.000563	.000563	0	0
83	MP BETA1	PX	.000563	.000563	0	0
84	MP ALPHA3	PX	.000563	.000563	0	0

Member Distributed Loads (BLC 23 : Maintanence (240)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
85	MP ALPHA2	PX	.000563	.000563	0	0
86	MP ALPHA1	PX	.000563	.000563	0	0
87	FACE1	PX	.000464	.000464	0	0
88	FACE2	PX	.000464	.000464	0	0
89	FACE3	PX	.000232	.000232	0	0
90	CR6	PX	.000552	.000552	0	0
91	CR5	PX	.000552	.000552	0	0
92	CPL3	PX	6.1e-5	6.1e-5	0	0
93	CPL2	PX	6.1e-5	6.1e-5	0	0
94	CPL1	PX	6.1e-5	6.1e-5	0	0
95	ANGLE6	PX	.000326	.000326	0	0
96	ANGLE5	PX	.000326	.000326	0	0
97	ANGLE4	PX	.000326	.000326	0	0
98	ANGLE3	PX	.000326	.000326	0	0
99	ANGLE2	PX	.000326	.000326	0	0
100	ANGLE1	PX	.000326	.000326	0	0
101	CR4	PY	.000319	.000319	0	0
102	CR4	PX	.000552	.000552	0	0
103	CR3	PY	.000319	.000319	0	0
104	CR3	PX	.000552	.000552	0	0
105	CR2	PY	.000319	.000319	0	0
106	CR2	PX	.000552	.000552	0	0
107	CR1	PY	.000319	.000319	0	0
108	CR1	PX	.000552	.000552	0	0

Member Distributed Loads (BLC 24 : Maintanence (270))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SO3	PX	.000471	.000471	0	0
2	SO2	PX	.000471	.000471	0	0
3	SO1	PX	.000471	.000471	0	0
4	RPL3	PX	.000848	.000848	0	0
5	RPL2	PX	.000848	.000848	0	0
6	RPL1	PX	.000848	.000848	0	0
7	RAIL1	PX	.000398	.000398	0	0
8	RAIL2	PX	.000398	.000398	0	0
9	RAIL3	PX	.000199	.000199	0	0
10	PL18	PX	7.1e-5	7.1e-5	0	0
11	PL17	PX	7.1e-5	7.1e-5	0	0
12	PL16	PX	7.1e-5	7.1e-5	0	0
13	PL15	PX	7.1e-5	7.1e-5	0	0
14	PL14	PX	7.1e-5	7.1e-5	0	0
15	PL13	PX	7.1e-5	7.1e-5	0	0
16	PL12	PX	7.1e-5	7.1e-5	0	0
17	PL11	PX	7.1e-5	7.1e-5	0	0
18	PL10	PX	7.1e-5	7.1e-5	0	0
19	PL9	PX	7.1e-5	7.1e-5	0	0
20	PL8	PX	7.1e-5	7.1e-5	0	0
21	PL7	PX	7.1e-5	7.1e-5	0	0
22	PL6	PX	7.1e-5	7.1e-5	0	0
23	PL5	PX	7.1e-5	7.1e-5	0	0
24	PL4	PX	7.1e-5	7.1e-5	0	0

Member Distributed Loads (BLC 24 : Maintanence (270)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
25	PL3	PX	7.1e-5	7.1e-5	0	0
26	PL2	PX	7.1e-5	7.1e-5	0	0
27	PL1	PX	7.1e-5	7.1e-5	0	0
28	MP GAMMA3	PX	.00065	.00065	0	0
29	MP GAMMA2	PX	.00065	.00065	0	0
30	MP GAMMA1	PX	.00065	.00065	0	0
31	MP BETA3	PX	.00065	.00065	0	0
32	MP BETA2	PX	.00065	.00065	0	0
33	MP BETA1	PX	.00065	.00065	0	0
34	MP ALPHA3	PX	.00065	.00065	0	0
35	MP ALPHA2	PX	.00065	.00065	0	0
36	MP ALPHA1	PX	.00065	.00065	0	0
37	FACE1	PX	.000536	.000536	0	0
38	FACE2	PX	.000536	.000536	0	0
39	FACE3	PX	.000268	.000268	0	0
40	CR6	PX	.000637	.000637	0	0
41	CR5	PX	.000637	.000637	0	0
42	CPL3	PX	7.1e-5	7.1e-5	0	0
43	CPL2	PX	7.1e-5	7.1e-5	0	0
44	CPL1	PX	7.1e-5	7.1e-5	0	0
45	ANGLE6	PX	.000377	.000377	0	0
46	ANGLE5	PX	.000377	.000377	0	0
47	ANGLE4	PX	.000377	.000377	0	0
48	ANGLE3	PX	.000377	.000377	0	0
49	ANGLE2	PX	.000377	.000377	0	0
50	ANGLE1	PX	.000377	.000377	0	0
51	CR4	PX	.000637	.000637	0	0
52	CR3	PX	.000637	.000637	0	0
53	CR2	PX	.000637	.000637	0	0
54	CR1	PX	.000637	.000637	0	0

Member Distributed Loads (BLC 25 : Maintanence (300))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SO3	PY	-.000236	-.000236	0	0
2	SO2	PY	-.000236	-.000236	0	0
3	SO1	PY	-.000236	-.000236	0	0
4	RPL3	PY	-.000424	-.000424	0	0
5	RPL2	PY	-.000424	-.000424	0	0
6	RPL1	PY	-.000424	-.000424	0	0
7	RAIL1	PY	-.000199	-.000199	0	0
8	RAIL2	PY	-.000199	-.000199	0	0
9	RAIL3	PY	-9.9e-5	-9.9e-5	0	0
10	PL18	PY	-3.5e-5	-3.5e-5	0	0
11	PL17	PY	-3.5e-5	-3.5e-5	0	0
12	PL16	PY	-3.5e-5	-3.5e-5	0	0
13	PL15	PY	-3.5e-5	-3.5e-5	0	0
14	PL14	PY	-3.5e-5	-3.5e-5	0	0
15	PL13	PY	-3.5e-5	-3.5e-5	0	0
16	PL12	PY	-3.5e-5	-3.5e-5	0	0
17	PL11	PY	-3.5e-5	-3.5e-5	0	0
18	PL10	PY	-3.5e-5	-3.5e-5	0	0

Member Distributed Loads (BLC 25 : Maintanence (300)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	PL9	PY	-3.5e-5	-3.5e-5	0	0
20	PL8	PY	-3.5e-5	-3.5e-5	0	0
21	PL7	PY	-3.5e-5	-3.5e-5	0	0
22	PL6	PY	-3.5e-5	-3.5e-5	0	0
23	PL5	PY	-3.5e-5	-3.5e-5	0	0
24	PL4	PY	-3.5e-5	-3.5e-5	0	0
25	PL3	PY	-3.5e-5	-3.5e-5	0	0
26	PL2	PY	-3.5e-5	-3.5e-5	0	0
27	PL1	PY	-3.5e-5	-3.5e-5	0	0
28	MP GAMMA3	PY	-.000325	-.000325	0	0
29	MP GAMMA2	PY	-.000325	-.000325	0	0
30	MP GAMMA1	PY	-.000325	-.000325	0	0
31	MP BETA3	PY	-.000325	-.000325	0	0
32	MP BETA2	PY	-.000325	-.000325	0	0
33	MP BETA1	PY	-.000325	-.000325	0	0
34	MP ALPHA3	PY	-.000325	-.000325	0	0
35	MP ALPHA2	PY	-.000325	-.000325	0	0
36	MP ALPHA1	PY	-.000325	-.000325	0	0
37	FACE1	PY	-.000268	-.000268	0	0
38	FACE2	PY	-.000268	-.000268	0	0
39	FACE3	PY	-.000134	-.000134	0	0
40	CR6	PY	-.000319	-.000319	0	0
41	CR5	PY	-.000319	-.000319	0	0
42	CPL3	PY	-3.5e-5	-3.5e-5	0	0
43	CPL2	PY	-3.5e-5	-3.5e-5	0	0
44	CPL1	PY	-3.5e-5	-3.5e-5	0	0
45	ANGLE6	PY	-.000188	-.000188	0	0
46	ANGLE5	PY	-.000188	-.000188	0	0
47	ANGLE4	PY	-.000188	-.000188	0	0
48	ANGLE3	PY	-.000188	-.000188	0	0
49	ANGLE2	PY	-.000188	-.000188	0	0
50	ANGLE1	PY	-.000188	-.000188	0	0
51	SO3	PX	.000408	.000408	0	0
52	SO2	PX	.000408	.000408	0	0
53	SO1	PX	.000408	.000408	0	0
54	RPL3	PX	.000735	.000735	0	0
55	RPL2	PX	.000735	.000735	0	0
56	RPL1	PX	.000735	.000735	0	0
57	RAIL1	PX	.000344	.000344	0	0
58	RAIL2	PX	.000344	.000344	0	0
59	RAIL3	PX	.000172	.000172	0	0
60	PL18	PX	6.1e-5	6.1e-5	0	0
61	PL17	PX	6.1e-5	6.1e-5	0	0
62	PL16	PX	6.1e-5	6.1e-5	0	0
63	PL15	PX	6.1e-5	6.1e-5	0	0
64	PL14	PX	6.1e-5	6.1e-5	0	0
65	PL13	PX	6.1e-5	6.1e-5	0	0
66	PL12	PX	6.1e-5	6.1e-5	0	0
67	PL11	PX	6.1e-5	6.1e-5	0	0
68	PL10	PX	6.1e-5	6.1e-5	0	0
69	PL9	PX	6.1e-5	6.1e-5	0	0
70	PL8	PX	6.1e-5	6.1e-5	0	0

Member Distributed Loads (BLC 25 : Maintanence (300)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
71	PL7	PX	6.1e-5	6.1e-5	0	0
72	PL6	PX	6.1e-5	6.1e-5	0	0
73	PL5	PX	6.1e-5	6.1e-5	0	0
74	PL4	PX	6.1e-5	6.1e-5	0	0
75	PL3	PX	6.1e-5	6.1e-5	0	0
76	PL2	PX	6.1e-5	6.1e-5	0	0
77	PL1	PX	6.1e-5	6.1e-5	0	0
78	MP GAMMA3	PX	.000563	.000563	0	0
79	MP GAMMA2	PX	.000563	.000563	0	0
80	MP GAMMA1	PX	.000563	.000563	0	0
81	MP BETA3	PX	.000563	.000563	0	0
82	MP BETA2	PX	.000563	.000563	0	0
83	MP BETA1	PX	.000563	.000563	0	0
84	MP ALPHA3	PX	.000563	.000563	0	0
85	MP ALPHA2	PX	.000563	.000563	0	0
86	MP ALPHA1	PX	.000563	.000563	0	0
87	FACE1	PX	.000464	.000464	0	0
88	FACE2	PX	.000464	.000464	0	0
89	FACE3	PX	.000232	.000232	0	0
90	CR6	PX	.000552	.000552	0	0
91	CR5	PX	.000552	.000552	0	0
92	CPL3	PX	6.1e-5	6.1e-5	0	0
93	CPL2	PX	6.1e-5	6.1e-5	0	0
94	CPL1	PX	6.1e-5	6.1e-5	0	0
95	ANGLE6	PX	.000326	.000326	0	0
96	ANGLE5	PX	.000326	.000326	0	0
97	ANGLE4	PX	.000326	.000326	0	0
98	ANGLE3	PX	.000326	.000326	0	0
99	ANGLE2	PX	.000326	.000326	0	0
100	ANGLE1	PX	.000326	.000326	0	0
101	CR4	PY	-.000319	-.000319	0	0
102	CR4	PX	.000552	.000552	0	0
103	CR3	PY	-.000319	-.000319	0	0
104	CR3	PX	.000552	.000552	0	0
105	CR2	PY	-.000319	-.000319	0	0
106	CR2	PX	.000552	.000552	0	0
107	CR1	PY	-.000319	-.000319	0	0
108	CR1	PX	.000552	.000552	0	0

Member Distributed Loads (BLC 26 : Maintanence (330))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SO3	PY	-.000408	-.000408	0	0
2	SO2	PY	-.000408	-.000408	0	0
3	SO1	PY	-.000408	-.000408	0	0
4	RPL3	PY	-.000735	-.000735	0	0
5	RPL2	PY	-.000735	-.000735	0	0
6	RPL1	PY	-.000735	-.000735	0	0
7	RAIL3	PY	-.000344	-.000344	0	0
8	RAIL2	PY	-.000344	-.000344	0	0
9	RAIL1	PY	-.000172	-.000172	0	0
10	PL18	PY	-6.1e-5	-6.1e-5	0	0

Member Distributed Loads (BLC 26 : Maintanence (330)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
11	PL17	PY	-6.1e-5	-6.1e-5	0	0
12	PL16	PY	-6.1e-5	-6.1e-5	0	0
13	PL15	PY	-6.1e-5	-6.1e-5	0	0
14	PL14	PY	-6.1e-5	-6.1e-5	0	0
15	PL13	PY	-6.1e-5	-6.1e-5	0	0
16	PL12	PY	-6.1e-5	-6.1e-5	0	0
17	PL11	PY	-6.1e-5	-6.1e-5	0	0
18	PL10	PY	-6.1e-5	-6.1e-5	0	0
19	PL9	PY	-6.1e-5	-6.1e-5	0	0
20	PL8	PY	-6.1e-5	-6.1e-5	0	0
21	PL7	PY	-6.1e-5	-6.1e-5	0	0
22	PL6	PY	-6.1e-5	-6.1e-5	0	0
23	PL5	PY	-6.1e-5	-6.1e-5	0	0
24	PL4	PY	-6.1e-5	-6.1e-5	0	0
25	PL3	PY	-6.1e-5	-6.1e-5	0	0
26	PL2	PY	-6.1e-5	-6.1e-5	0	0
27	PL1	PY	-6.1e-5	-6.1e-5	0	0
28	MP GAMMA3	PY	-.000563	-.000563	0	0
29	MP GAMMA2	PY	-.000563	-.000563	0	0
30	MP GAMMA1	PY	-.000563	-.000563	0	0
31	MP BETA3	PY	-.000563	-.000563	0	0
32	MP BETA2	PY	-.000563	-.000563	0	0
33	MP BETA1	PY	-.000563	-.000563	0	0
34	MP ALPHA3	PY	-.000563	-.000563	0	0
35	MP ALPHA2	PY	-.000563	-.000563	0	0
36	MP ALPHA1	PY	-.000563	-.000563	0	0
37	FACE3	PY	-.000464	-.000464	0	0
38	FACE2	PY	-.000464	-.000464	0	0
39	FACE1	PY	-.000232	-.000232	0	0
40	CR6	PY	-.000552	-.000552	0	0
41	CR5	PY	-.000552	-.000552	0	0
42	CPL3	PY	-6.1e-5	-6.1e-5	0	0
43	CPL2	PY	-6.1e-5	-6.1e-5	0	0
44	CPL1	PY	-6.1e-5	-6.1e-5	0	0
45	ANGLE6	PY	-.000326	-.000326	0	0
46	ANGLE5	PY	-.000326	-.000326	0	0
47	ANGLE4	PY	-.000326	-.000326	0	0
48	ANGLE3	PY	-.000326	-.000326	0	0
49	ANGLE2	PY	-.000326	-.000326	0	0
50	ANGLE1	PY	-.000326	-.000326	0	0
51	SO3	PX	.000236	.000236	0	0
52	SO2	PX	.000236	.000236	0	0
53	SO1	PX	.000236	.000236	0	0
54	RPL3	PX	.000424	.000424	0	0
55	RPL2	PX	.000424	.000424	0	0
56	RPL1	PX	.000424	.000424	0	0
57	RAIL3	PX	.000199	.000199	0	0
58	RAIL2	PX	.000199	.000199	0	0
59	RAIL1	PX	9.9e-5	9.9e-5	0	0
60	PL18	PX	3.5e-5	3.5e-5	0	0
61	PL17	PX	3.5e-5	3.5e-5	0	0
62	PL16	PX	3.5e-5	3.5e-5	0	0

Member Distributed Loads (BLC 26 : Maintanence (330)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
63	PL15	PX	3.5e-5	3.5e-5	0	0
64	PL14	PX	3.5e-5	3.5e-5	0	0
65	PL13	PX	3.5e-5	3.5e-5	0	0
66	PL12	PX	3.5e-5	3.5e-5	0	0
67	PL11	PX	3.5e-5	3.5e-5	0	0
68	PL10	PX	3.5e-5	3.5e-5	0	0
69	PL9	PX	3.5e-5	3.5e-5	0	0
70	PL8	PX	3.5e-5	3.5e-5	0	0
71	PL7	PX	3.5e-5	3.5e-5	0	0
72	PL6	PX	3.5e-5	3.5e-5	0	0
73	PL5	PX	3.5e-5	3.5e-5	0	0
74	PL4	PX	3.5e-5	3.5e-5	0	0
75	PL3	PX	3.5e-5	3.5e-5	0	0
76	PL2	PX	3.5e-5	3.5e-5	0	0
77	PL1	PX	3.5e-5	3.5e-5	0	0
78	MP GAMMA3	PX	.000325	.000325	0	0
79	MP GAMMA2	PX	.000325	.000325	0	0
80	MP GAMMA1	PX	.000325	.000325	0	0
81	MP BETA3	PX	.000325	.000325	0	0
82	MP BETA2	PX	.000325	.000325	0	0
83	MP BETA1	PX	.000325	.000325	0	0
84	MP ALPHA3	PX	.000325	.000325	0	0
85	MP ALPHA2	PX	.000325	.000325	0	0
86	MP ALPHA1	PX	.000325	.000325	0	0
87	FACE3	PX	.000268	.000268	0	0
88	FACE2	PX	.000268	.000268	0	0
89	FACE1	PX	.000134	.000134	0	0
90	CR6	PX	.000319	.000319	0	0
91	CR5	PX	.000319	.000319	0	0
92	CPL3	PX	3.5e-5	3.5e-5	0	0
93	CPL2	PX	3.5e-5	3.5e-5	0	0
94	CPL1	PX	3.5e-5	3.5e-5	0	0
95	ANGLE6	PX	.000188	.000188	0	0
96	ANGLE5	PX	.000188	.000188	0	0
97	ANGLE4	PX	.000188	.000188	0	0
98	ANGLE3	PX	.000188	.000188	0	0
99	ANGLE2	PX	.000188	.000188	0	0
100	ANGLE1	PX	.000188	.000188	0	0
101	CR4	PY	-.000552	-.000552	0	0
102	CR4	PX	.000319	.000319	0	0
103	CR3	PY	-.000552	-.000552	0	0
104	CR3	PX	.000319	.000319	0	0
105	CR2	PY	-.000552	-.000552	0	0
106	CR2	PX	.000319	.000319	0	0
107	CR1	PY	-.000552	-.000552	0	0
108	CR1	PX	.000319	.000319	0	0

Member Distributed Loads (BLC 27 : Ice Dead Load)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SO3	Z	-.008	-.008	0	0
2	SO2	Z	-.008	-.008	0	0

Member Distributed Loads (BLC 27 : Ice Dead Load) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
3	SO1	Z	-.008	-.008	0	0
4	RPL3	Z	-.009	-.009	0	0
5	RPL2	Z	-.009	-.009	0	0
6	RPL1	Z	-.009	-.009	0	0
7	RAIL3	Z	-.005	-.005	0	0
8	RAIL2	Z	-.005	-.005	0	0
9	RAIL1	Z	-.005	-.005	0	0
10	PL18	Z	-.008	-.008	0	0
11	PL17	Z	-.008	-.008	0	0
12	PL16	Z	-.008	-.008	0	0
13	PL15	Z	-.008	-.008	0	0
14	PL14	Z	-.008	-.008	0	0
15	PL13	Z	-.008	-.008	0	0
16	PL12	Z	-.008	-.008	0	0
17	PL11	Z	-.008	-.008	0	0
18	PL10	Z	-.008	-.008	0	0
19	PL9	Z	-.008	-.008	0	0
20	PL8	Z	-.008	-.008	0	0
21	PL7	Z	-.008	-.008	0	0
22	PL6	Z	-.008	-.008	0	0
23	PL5	Z	-.008	-.008	0	0
24	PL4	Z	-.008	-.008	0	0
25	PL3	Z	-.008	-.008	0	0
26	PL2	Z	-.008	-.008	0	0
27	PL1	Z	-.008	-.008	0	0
28	MP GAMMA3	Z	-.005	-.005	0	0
29	MP GAMMA2	Z	-.005	-.005	0	0
30	MP GAMMA1	Z	-.005	-.005	0	0
31	MP BETA3	Z	-.005	-.005	0	0
32	MP BETA2	Z	-.005	-.005	0	0
33	MP BETA1	Z	-.005	-.005	0	0
34	MP ALPHA3	Z	-.005	-.005	0	0
35	MP ALPHA2	Z	-.005	-.005	0	0
36	MP ALPHA1	Z	-.005	-.005	0	0
37	FACE3	Z	-.006	-.006	0	0
38	FACE2	Z	-.006	-.006	0	0
39	FACE1	Z	-.006	-.006	0	0
40	CR6	Z	-.008	-.008	0	0
41	CR5	Z	-.008	-.008	0	0
42	CPL3	Z	-.008	-.008	0	0
43	CPL2	Z	-.008	-.008	0	0
44	CPL1	Z	-.008	-.008	0	0
45	ANGLE6	Z	-.005	-.005	0	0
46	ANGLE5	Z	-.005	-.005	0	0
47	ANGLE4	Z	-.005	-.005	0	0
48	ANGLE3	Z	-.005	-.005	0	0
49	ANGLE2	Z	-.005	-.005	0	0
50	ANGLE1	Z	-.005	-.005	0	0
51	CR4	Z	-.008	-.008	0	0
52	CR3	Z	-.008	-.008	0	0
53	CR2	Z	-.008	-.008	0	0
54	CR1	Z	-.008	-.008	0	0

Member Distributed Loads (BLC 28 : Ice Wind Load (0))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SO3	PY	-.001	-.001	0	0
2	SO2	PY	-.001	-.001	0	0
3	SO1	PY	-.001	-.001	0	0
4	RPL3	PY	-.002	-.002	0	0
5	RPL2	PY	-.002	-.002	0	0
6	RPL1	PY	-.002	-.002	0	0
7	RAIL3	PY	-.002	-.002	0	0
8	RAIL2	PY	-.002	-.002	0	0
9	RAIL1	PY	-.001	-.001	0	0
10	PL18	PY	-.000914	-.000914	0	0
11	PL17	PY	-.000914	-.000914	0	0
12	PL16	PY	-.000914	-.000914	0	0
13	PL15	PY	-.000914	-.000914	0	0
14	PL14	PY	-.000914	-.000914	0	0
15	PL13	PY	-.000914	-.000914	0	0
16	PL12	PY	-.000914	-.000914	0	0
17	PL11	PY	-.000914	-.000914	0	0
18	PL10	PY	-.000914	-.000914	0	0
19	PL9	PY	-.000914	-.000914	0	0
20	PL8	PY	-.000914	-.000914	0	0
21	PL7	PY	-.000914	-.000914	0	0
22	PL6	PY	-.000914	-.000914	0	0
23	PL5	PY	-.000914	-.000914	0	0
24	PL4	PY	-.000914	-.000914	0	0
25	PL3	PY	-.000914	-.000914	0	0
26	PL2	PY	-.000914	-.000914	0	0
27	PL1	PY	-.000914	-.000914	0	0
28	MP GAMMA3	PY	-.003	-.003	0	0
29	MP GAMMA2	PY	-.003	-.003	0	0
30	MP GAMMA1	PY	-.003	-.003	0	0
31	MP BETA3	PY	-.003	-.003	0	0
32	MP BETA2	PY	-.003	-.003	0	0
33	MP BETA1	PY	-.003	-.003	0	0
34	MP ALPHA3	PY	-.003	-.003	0	0
35	MP ALPHA2	PY	-.003	-.003	0	0
36	MP ALPHA1	PY	-.003	-.003	0	0
37	FACE3	PY	-.003	-.003	0	0
38	FACE2	PY	-.003	-.003	0	0
39	FACE1	PY	-.001	-.001	0	0
40	CR6	PY	-.002	-.002	0	0
41	CR5	PY	-.002	-.002	0	0
42	CPL3	PY	-.000914	-.000914	0	0
43	CPL2	PY	-.000914	-.000914	0	0
44	CPL1	PY	-.000914	-.000914	0	0
45	ANGLE6	PY	-.002	-.002	0	0
46	ANGLE5	PY	-.002	-.002	0	0
47	ANGLE4	PY	-.002	-.002	0	0
48	ANGLE3	PY	-.002	-.002	0	0
49	ANGLE2	PY	-.002	-.002	0	0
50	ANGLE1	PY	-.002	-.002	0	0
51	CR4	PY	-.002	-.002	0	0
52	CR3	PY	-.002	-.002	0	0

Member Distributed Loads (BLC 28 : Ice Wind Load (0)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	CR2	PY	-.002	-.002	0	0
54	CR1	PY	-.002	-.002	0	0

Member Distributed Loads (BLC 29 : Ice Wind Load (30))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SO3	PY	-.001	-.001	0	0
2	SO2	PY	-.001	-.001	0	0
3	SO1	PY	-.001	-.001	0	0
4	RPL3	PY	-.002	-.002	0	0
5	RPL2	PY	-.002	-.002	0	0
6	RPL1	PY	-.002	-.002	0	0
7	RAIL3	PY	-.002	-.002	0	0
8	RAIL2	PY	-.002	-.002	0	0
9	RAIL1	PY	-.000946	-.000946	0	0
10	PL18	PY	-.000791	-.000791	0	0
11	PL17	PY	-.000791	-.000791	0	0
12	PL16	PY	-.000791	-.000791	0	0
13	PL15	PY	-.000791	-.000791	0	0
14	PL14	PY	-.000791	-.000791	0	0
15	PL13	PY	-.000791	-.000791	0	0
16	PL12	PY	-.000791	-.000791	0	0
17	PL11	PY	-.000791	-.000791	0	0
18	PL10	PY	-.000791	-.000791	0	0
19	PL9	PY	-.000791	-.000791	0	0
20	PL8	PY	-.000791	-.000791	0	0
21	PL7	PY	-.000791	-.000791	0	0
22	PL6	PY	-.000791	-.000791	0	0
23	PL5	PY	-.000791	-.000791	0	0
24	PL4	PY	-.000791	-.000791	0	0
25	PL3	PY	-.000791	-.000791	0	0
26	PL2	PY	-.000791	-.000791	0	0
27	PL1	PY	-.000791	-.000791	0	0
28	MP GAMMA3	PY	-.003	-.003	0	0
29	MP GAMMA2	PY	-.003	-.003	0	0
30	MP GAMMA1	PY	-.003	-.003	0	0
31	MP BETA3	PY	-.003	-.003	0	0
32	MP BETA2	PY	-.003	-.003	0	0
33	MP BETA1	PY	-.003	-.003	0	0
34	MP ALPHA3	PY	-.003	-.003	0	0
35	MP ALPHA2	PY	-.003	-.003	0	0
36	MP ALPHA1	PY	-.003	-.003	0	0
37	FACE3	PY	-.002	-.002	0	0
38	FACE2	PY	-.002	-.002	0	0
39	FACE1	PY	-.001	-.001	0	0
40	CR6	PY	-.002	-.002	0	0
41	CR5	PY	-.002	-.002	0	0
42	CPL3	PY	-.000791	-.000791	0	0
43	CPL2	PY	-.000791	-.000791	0	0
44	CPL1	PY	-.000791	-.000791	0	0
45	ANGLE6	PY	-.001	-.001	0	0
46	ANGLE5	PY	-.001	-.001	0	0

Member Distributed Loads (BLC 29 : Ice Wind Load (30)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
47	ANGLE4	PY	-.001	-.001	0	0
48	ANGLE3	PY	-.001	-.001	0	0
49	ANGLE2	PY	-.001	-.001	0	0
50	ANGLE1	PY	-.001	-.001	0	0
51	SO3	PX	-.000696	-.000696	0	0
52	SO2	PX	-.000696	-.000696	0	0
53	SO1	PX	-.000696	-.000696	0	0
54	RPL3	PX	-.001	-.001	0	0
55	RPL2	PX	-.001	-.001	0	0
56	RPL1	PX	-.001	-.001	0	0
57	RAIL3	PX	-.001	-.001	0	0
58	RAIL2	PX	-.001	-.001	0	0
59	RAIL1	PX	-.000546	-.000546	0	0
60	PL18	PX	-.000457	-.000457	0	0
61	PL17	PX	-.000457	-.000457	0	0
62	PL16	PX	-.000457	-.000457	0	0
63	PL15	PX	-.000457	-.000457	0	0
64	PL14	PX	-.000457	-.000457	0	0
65	PL13	PX	-.000457	-.000457	0	0
66	PL12	PX	-.000457	-.000457	0	0
67	PL11	PX	-.000457	-.000457	0	0
68	PL10	PX	-.000457	-.000457	0	0
69	PL9	PX	-.000457	-.000457	0	0
70	PL8	PX	-.000457	-.000457	0	0
71	PL7	PX	-.000457	-.000457	0	0
72	PL6	PX	-.000457	-.000457	0	0
73	PL5	PX	-.000457	-.000457	0	0
74	PL4	PX	-.000457	-.000457	0	0
75	PL3	PX	-.000457	-.000457	0	0
76	PL2	PX	-.000457	-.000457	0	0
77	PL1	PX	-.000457	-.000457	0	0
78	MP GAMMA3	PX	-.002	-.002	0	0
79	MP GAMMA2	PX	-.002	-.002	0	0
80	MP GAMMA1	PX	-.002	-.002	0	0
81	MP BETA3	PX	-.002	-.002	0	0
82	MP BETA2	PX	-.002	-.002	0	0
83	MP BETA1	PX	-.002	-.002	0	0
84	MP ALPHA3	PX	-.002	-.002	0	0
85	MP ALPHA2	PX	-.002	-.002	0	0
86	MP ALPHA1	PX	-.002	-.002	0	0
87	FACE3	PX	-.001	-.001	0	0
88	FACE2	PX	-.001	-.001	0	0
89	FACE1	PX	-.000655	-.000655	0	0
90	CR6	PX	-.001	-.001	0	0
91	CR5	PX	-.001	-.001	0	0
92	CPL3	PX	-.000457	-.000457	0	0
93	CPL2	PX	-.000457	-.000457	0	0
94	CPL1	PX	-.000457	-.000457	0	0
95	ANGLE6	PX	-.000751	-.000751	0	0
96	ANGLE5	PX	-.000751	-.000751	0	0
97	ANGLE4	PX	-.000751	-.000751	0	0
98	ANGLE3	PX	-.000751	-.000751	0	0

Member Distributed Loads (BLC 29 : Ice Wind Load (30)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
99	ANGLE2	PX	-.000751	-.000751	0	0
100	ANGLE1	PX	-.000751	-.000751	0	0
101	CR4	PY	-.002	-.002	0	0
102	CR4	PX	-.001	-.001	0	0
103	CR3	PY	-.002	-.002	0	0
104	CR3	PX	-.001	-.001	0	0
105	CR2	PY	-.002	-.002	0	0
106	CR2	PX	-.001	-.001	0	0
107	CR1	PY	-.002	-.002	0	0
108	CR1	PX	-.001	-.001	0	0

Member Distributed Loads (BLC 30 : Ice Wind Load (60))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SO3	PY	-.000696	-.000696	0	0
2	SO2	PY	-.000696	-.000696	0	0
3	SO1	PY	-.000696	-.000696	0	0
4	RPL3	PY	-.001	-.001	0	0
5	RPL2	PY	-.001	-.001	0	0
6	RPL1	PY	-.001	-.001	0	0
7	RAIL3	PY	-.001	-.001	0	0
8	RAIL2	PY	-.001	-.001	0	0
9	RAIL1	PY	-.000546	-.000546	0	0
10	PL18	PY	-.000457	-.000457	0	0
11	PL17	PY	-.000457	-.000457	0	0
12	PL16	PY	-.000457	-.000457	0	0
13	PL15	PY	-.000457	-.000457	0	0
14	PL14	PY	-.000457	-.000457	0	0
15	PL13	PY	-.000457	-.000457	0	0
16	PL12	PY	-.000457	-.000457	0	0
17	PL11	PY	-.000457	-.000457	0	0
18	PL10	PY	-.000457	-.000457	0	0
19	PL9	PY	-.000457	-.000457	0	0
20	PL8	PY	-.000457	-.000457	0	0
21	PL7	PY	-.000457	-.000457	0	0
22	PL6	PY	-.000457	-.000457	0	0
23	PL5	PY	-.000457	-.000457	0	0
24	PL4	PY	-.000457	-.000457	0	0
25	PL3	PY	-.000457	-.000457	0	0
26	PL2	PY	-.000457	-.000457	0	0
27	PL1	PY	-.000457	-.000457	0	0
28	MP GAMMA3	PY	-.002	-.002	0	0
29	MP GAMMA2	PY	-.002	-.002	0	0
30	MP GAMMA1	PY	-.002	-.002	0	0
31	MP BETA3	PY	-.002	-.002	0	0
32	MP BETA2	PY	-.002	-.002	0	0
33	MP BETA1	PY	-.002	-.002	0	0
34	MP ALPHA3	PY	-.002	-.002	0	0
35	MP ALPHA2	PY	-.002	-.002	0	0
36	MP ALPHA1	PY	-.002	-.002	0	0
37	FACE3	PY	-.001	-.001	0	0
38	FACE2	PY	-.001	-.001	0	0

Member Distributed Loads (BLC 30 : Ice Wind Load (60)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
39	FACE1	PY	-.000655	-.000655	0	0
40	CR6	PY	-.001	-.001	0	0
41	CR5	PY	-.001	-.001	0	0
42	CPL3	PY	-.000457	-.000457	0	0
43	CPL2	PY	-.000457	-.000457	0	0
44	CPL1	PY	-.000457	-.000457	0	0
45	ANGLE6	PY	-.000751	-.000751	0	0
46	ANGLE5	PY	-.000751	-.000751	0	0
47	ANGLE4	PY	-.000751	-.000751	0	0
48	ANGLE3	PY	-.000751	-.000751	0	0
49	ANGLE2	PY	-.000751	-.000751	0	0
50	ANGLE1	PY	-.000751	-.000751	0	0
51	SO3	PX	-.001	-.001	0	0
52	SO2	PX	-.001	-.001	0	0
53	SO1	PX	-.001	-.001	0	0
54	RPL3	PX	-.002	-.002	0	0
55	RPL2	PX	-.002	-.002	0	0
56	RPL1	PX	-.002	-.002	0	0
57	RAIL3	PX	-.002	-.002	0	0
58	RAIL2	PX	-.002	-.002	0	0
59	RAIL1	PX	-.000946	-.000946	0	0
60	PL18	PX	-.000791	-.000791	0	0
61	PL17	PX	-.000791	-.000791	0	0
62	PL16	PX	-.000791	-.000791	0	0
63	PL15	PX	-.000791	-.000791	0	0
64	PL14	PX	-.000791	-.000791	0	0
65	PL13	PX	-.000791	-.000791	0	0
66	PL12	PX	-.000791	-.000791	0	0
67	PL11	PX	-.000791	-.000791	0	0
68	PL10	PX	-.000791	-.000791	0	0
69	PL9	PX	-.000791	-.000791	0	0
70	PL8	PX	-.000791	-.000791	0	0
71	PL7	PX	-.000791	-.000791	0	0
72	PL6	PX	-.000791	-.000791	0	0
73	PL5	PX	-.000791	-.000791	0	0
74	PL4	PX	-.000791	-.000791	0	0
75	PL3	PX	-.000791	-.000791	0	0
76	PL2	PX	-.000791	-.000791	0	0
77	PL1	PX	-.000791	-.000791	0	0
78	MP GAMMA3	PX	-.003	-.003	0	0
79	MP GAMMA2	PX	-.003	-.003	0	0
80	MP GAMMA1	PX	-.003	-.003	0	0
81	MP BETA3	PX	-.003	-.003	0	0
82	MP BETA2	PX	-.003	-.003	0	0
83	MP BETA1	PX	-.003	-.003	0	0
84	MP ALPHA3	PX	-.003	-.003	0	0
85	MP ALPHA2	PX	-.003	-.003	0	0
86	MP ALPHA1	PX	-.003	-.003	0	0
87	FACE3	PX	-.002	-.002	0	0
88	FACE2	PX	-.002	-.002	0	0
89	FACE1	PX	-.001	-.001	0	0
90	CR6	PX	-.002	-.002	0	0

Member Distributed Loads (BLC 30 : Ice Wind Load (60)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	CR5	PX	-.002	-.002	0	0
92	CPL3	PX	-.000791	-.000791	0	0
93	CPL2	PX	-.000791	-.000791	0	0
94	CPL1	PX	-.000791	-.000791	0	0
95	ANGLE6	PX	-.001	-.001	0	0
96	ANGLE5	PX	-.001	-.001	0	0
97	ANGLE4	PX	-.001	-.001	0	0
98	ANGLE3	PX	-.001	-.001	0	0
99	ANGLE2	PX	-.001	-.001	0	0
100	ANGLE1	PX	-.001	-.001	0	0
101	CR4	PY	-.001	-.001	0	0
102	CR4	PX	-.002	-.002	0	0
103	CR3	PY	-.001	-.001	0	0
104	CR3	PX	-.002	-.002	0	0
105	CR2	PY	-.001	-.001	0	0
106	CR2	PX	-.002	-.002	0	0
107	CR1	PY	-.001	-.001	0	0
108	CR1	PX	-.002	-.002	0	0

Member Distributed Loads (BLC 31 : Ice Wind Load (90))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SO3	PX	-.001	-.001	0	0
2	SO2	PX	-.001	-.001	0	0
3	SO1	PX	-.001	-.001	0	0
4	RPL3	PX	-.002	-.002	0	0
5	RPL2	PX	-.002	-.002	0	0
6	RPL1	PX	-.002	-.002	0	0
7	RAIL1	PX	-.002	-.002	0	0
8	RAIL3	PX	-.002	-.002	0	0
9	RAIL2	PX	-.001	-.001	0	0
10	PL18	PX	-.000914	-.000914	0	0
11	PL17	PX	-.000914	-.000914	0	0
12	PL16	PX	-.000914	-.000914	0	0
13	PL15	PX	-.000914	-.000914	0	0
14	PL14	PX	-.000914	-.000914	0	0
15	PL13	PX	-.000914	-.000914	0	0
16	PL12	PX	-.000914	-.000914	0	0
17	PL11	PX	-.000914	-.000914	0	0
18	PL10	PX	-.000914	-.000914	0	0
19	PL9	PX	-.000914	-.000914	0	0
20	PL8	PX	-.000914	-.000914	0	0
21	PL7	PX	-.000914	-.000914	0	0
22	PL6	PX	-.000914	-.000914	0	0
23	PL5	PX	-.000914	-.000914	0	0
24	PL4	PX	-.000914	-.000914	0	0
25	PL3	PX	-.000914	-.000914	0	0
26	PL2	PX	-.000914	-.000914	0	0
27	PL1	PX	-.000914	-.000914	0	0
28	MP GAMMA3	PX	-.003	-.003	0	0
29	MP GAMMA2	PX	-.003	-.003	0	0
30	MP GAMMA1	PX	-.003	-.003	0	0

Member Distributed Loads (BLC 31 : Ice Wind Load (90)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
31	MP BETA3	PX	-.003	-.003	0	0
32	MP BETA2	PX	-.003	-.003	0	0
33	MP BETA1	PX	-.003	-.003	0	0
34	MP ALPHA3	PX	-.003	-.003	0	0
35	MP ALPHA2	PX	-.003	-.003	0	0
36	MP ALPHA1	PX	-.003	-.003	0	0
37	FACE3	PX	-.003	-.003	0	0
38	FACE1	PX	-.003	-.003	0	0
39	FACE2	PX	-.001	-.001	0	0
40	CR6	PX	-.002	-.002	0	0
41	CR5	PX	-.002	-.002	0	0
42	CPL3	PX	-.000914	-.000914	0	0
43	CPL2	PX	-.000914	-.000914	0	0
44	CPL1	PX	-.000914	-.000914	0	0
45	ANGLE6	PX	-.002	-.002	0	0
46	ANGLE5	PX	-.002	-.002	0	0
47	ANGLE4	PX	-.002	-.002	0	0
48	ANGLE3	PX	-.002	-.002	0	0
49	ANGLE2	PX	-.002	-.002	0	0
50	ANGLE1	PX	-.002	-.002	0	0
51	CR4	PX	-.002	-.002	0	0
52	CR3	PX	-.002	-.002	0	0
53	CR2	PX	-.002	-.002	0	0
54	CR1	PX	-.002	-.002	0	0

Member Distributed Loads (BLC 32 : Ice Wind Load (120))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SO3	PY	.000696	.000696	0	0
2	SO2	PY	.000696	.000696	0	0
3	SO1	PY	.000696	.000696	0	0
4	RPL3	PY	.001	.001	0	0
5	RPL2	PY	.001	.001	0	0
6	RPL1	PY	.001	.001	0	0
7	RAIL1	PY	.001	.001	0	0
8	RAIL3	PY	.001	.001	0	0
9	RAIL2	PY	.000546	.000546	0	0
10	PL18	PY	.000457	.000457	0	0
11	PL17	PY	.000457	.000457	0	0
12	PL16	PY	.000457	.000457	0	0
13	PL15	PY	.000457	.000457	0	0
14	PL14	PY	.000457	.000457	0	0
15	PL13	PY	.000457	.000457	0	0
16	PL12	PY	.000457	.000457	0	0
17	PL11	PY	.000457	.000457	0	0
18	PL10	PY	.000457	.000457	0	0
19	PL9	PY	.000457	.000457	0	0
20	PL8	PY	.000457	.000457	0	0
21	PL7	PY	.000457	.000457	0	0
22	PL6	PY	.000457	.000457	0	0
23	PL5	PY	.000457	.000457	0	0
24	PL4	PY	.000457	.000457	0	0

Member Distributed Loads (BLC 32 : Ice Wind Load (120)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
25	PL3	PY	.000457	.000457	0	0
26	PL2	PY	.000457	.000457	0	0
27	PL1	PY	.000457	.000457	0	0
28	MP GAMMA3	PY	.002	.002	0	0
29	MP GAMMA2	PY	.002	.002	0	0
30	MP GAMMA1	PY	.002	.002	0	0
31	MP BETA3	PY	.002	.002	0	0
32	MP BETA2	PY	.002	.002	0	0
33	MP BETA1	PY	.002	.002	0	0
34	MP ALPHA3	PY	.002	.002	0	0
35	MP ALPHA2	PY	.002	.002	0	0
36	MP ALPHA1	PY	.002	.002	0	0
37	FACE3	PY	.001	.001	0	0
38	FACE1	PY	.001	.001	0	0
39	FACE2	PY	.000655	.000655	0	0
40	CR6	PY	.001	.001	0	0
41	CR5	PY	.001	.001	0	0
42	CPL3	PY	.000457	.000457	0	0
43	CPL2	PY	.000457	.000457	0	0
44	CPL1	PY	.000457	.000457	0	0
45	ANGLE6	PY	.000751	.000751	0	0
46	ANGLE5	PY	.000751	.000751	0	0
47	ANGLE4	PY	.000751	.000751	0	0
48	ANGLE3	PY	.000751	.000751	0	0
49	ANGLE2	PY	.000751	.000751	0	0
50	ANGLE1	PY	.000751	.000751	0	0
51	SO3	PX	-.001	-.001	0	0
52	SO2	PX	-.001	-.001	0	0
53	SO1	PX	-.001	-.001	0	0
54	RPL3	PX	-.002	-.002	0	0
55	RPL2	PX	-.002	-.002	0	0
56	RPL1	PX	-.002	-.002	0	0
57	RAIL1	PX	-.002	-.002	0	0
58	RAIL3	PX	-.002	-.002	0	0
59	RAIL2	PX	-.000946	-.000946	0	0
60	PL18	PX	-.000791	-.000791	0	0
61	PL17	PX	-.000791	-.000791	0	0
62	PL16	PX	-.000791	-.000791	0	0
63	PL15	PX	-.000791	-.000791	0	0
64	PL14	PX	-.000791	-.000791	0	0
65	PL13	PX	-.000791	-.000791	0	0
66	PL12	PX	-.000791	-.000791	0	0
67	PL11	PX	-.000791	-.000791	0	0
68	PL10	PX	-.000791	-.000791	0	0
69	PL9	PX	-.000791	-.000791	0	0
70	PL8	PX	-.000791	-.000791	0	0
71	PL7	PX	-.000791	-.000791	0	0
72	PL6	PX	-.000791	-.000791	0	0
73	PL5	PX	-.000791	-.000791	0	0
74	PL4	PX	-.000791	-.000791	0	0
75	PL3	PX	-.000791	-.000791	0	0
76	PL2	PX	-.000791	-.000791	0	0

Member Distributed Loads (BLC 32 : Ice Wind Load (120)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
77	PL1	PX	-.000791	-.000791	0	0
78	MP GAMMA3	PX	-.003	-.003	0	0
79	MP GAMMA2	PX	-.003	-.003	0	0
80	MP GAMMA1	PX	-.003	-.003	0	0
81	MP BETA3	PX	-.003	-.003	0	0
82	MP BETA2	PX	-.003	-.003	0	0
83	MP BETA1	PX	-.003	-.003	0	0
84	MP ALPHA3	PX	-.003	-.003	0	0
85	MP ALPHA2	PX	-.003	-.003	0	0
86	MP ALPHA1	PX	-.003	-.003	0	0
87	FACE3	PX	-.002	-.002	0	0
88	FACE1	PX	-.002	-.002	0	0
89	FACE2	PX	-.001	-.001	0	0
90	CR6	PX	-.002	-.002	0	0
91	CR5	PX	-.002	-.002	0	0
92	CPL3	PX	-.000791	-.000791	0	0
93	CPL2	PX	-.000791	-.000791	0	0
94	CPL1	PX	-.000791	-.000791	0	0
95	ANGLE6	PX	-.001	-.001	0	0
96	ANGLE5	PX	-.001	-.001	0	0
97	ANGLE4	PX	-.001	-.001	0	0
98	ANGLE3	PX	-.001	-.001	0	0
99	ANGLE2	PX	-.001	-.001	0	0
100	ANGLE1	PX	-.001	-.001	0	0
101	CR4	PY	.001	.001	0	0
102	CR4	PX	-.002	-.002	0	0
103	CR3	PY	.001	.001	0	0
104	CR3	PX	-.002	-.002	0	0
105	CR2	PY	.001	.001	0	0
106	CR2	PX	-.002	-.002	0	0
107	CR1	PY	.001	.001	0	0
108	CR1	PX	-.002	-.002	0	0

Member Distributed Loads (BLC 33 : Ice Wind Load (150))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SO3	PY	.001	.001	0	0
2	SO2	PY	.001	.001	0	0
3	SO1	PY	.001	.001	0	0
4	RPL3	PY	.002	.002	0	0
5	RPL2	PY	.002	.002	0	0
6	RPL1	PY	.002	.002	0	0
7	RAIL1	PY	.002	.002	0	0
8	RAIL3	PY	.002	.002	0	0
9	RAIL2	PY	.000946	.000946	0	0
10	PL18	PY	.000791	.000791	0	0
11	PL17	PY	.000791	.000791	0	0
12	PL16	PY	.000791	.000791	0	0
13	PL15	PY	.000791	.000791	0	0
14	PL14	PY	.000791	.000791	0	0
15	PL13	PY	.000791	.000791	0	0
16	PL12	PY	.000791	.000791	0	0

Member Distributed Loads (BLC 33 : Ice Wind Load (150)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	PL11	PY	.000791	.000791	0	0
18	PL10	PY	.000791	.000791	0	0
19	PL9	PY	.000791	.000791	0	0
20	PL8	PY	.000791	.000791	0	0
21	PL7	PY	.000791	.000791	0	0
22	PL6	PY	.000791	.000791	0	0
23	PL5	PY	.000791	.000791	0	0
24	PL4	PY	.000791	.000791	0	0
25	PL3	PY	.000791	.000791	0	0
26	PL2	PY	.000791	.000791	0	0
27	PL1	PY	.000791	.000791	0	0
28	MP GAMMA3	PY	.003	.003	0	0
29	MP GAMMA2	PY	.003	.003	0	0
30	MP GAMMA1	PY	.003	.003	0	0
31	MP BETA3	PY	.003	.003	0	0
32	MP BETA2	PY	.003	.003	0	0
33	MP BETA1	PY	.003	.003	0	0
34	MP ALPHA3	PY	.003	.003	0	0
35	MP ALPHA2	PY	.003	.003	0	0
36	MP ALPHA1	PY	.003	.003	0	0
37	FACE3	PY	.002	.002	0	0
38	FACE1	PY	.002	.002	0	0
39	FACE2	PY	.001	.001	0	0
40	CR6	PY	.002	.002	0	0
41	CR5	PY	.002	.002	0	0
42	CPL3	PY	.000791	.000791	0	0
43	CPL2	PY	.000791	.000791	0	0
44	CPL1	PY	.000791	.000791	0	0
45	ANGLE6	PY	.001	.001	0	0
46	ANGLE5	PY	.001	.001	0	0
47	ANGLE4	PY	.001	.001	0	0
48	ANGLE3	PY	.001	.001	0	0
49	ANGLE2	PY	.001	.001	0	0
50	ANGLE1	PY	.001	.001	0	0
51	SO3	PX	-.000696	-.000696	0	0
52	SO2	PX	-.000696	-.000696	0	0
53	SO1	PX	-.000696	-.000696	0	0
54	RPL3	PX	-.001	-.001	0	0
55	RPL2	PX	-.001	-.001	0	0
56	RPL1	PX	-.001	-.001	0	0
57	RAIL1	PX	-.001	-.001	0	0
58	RAIL3	PX	-.001	-.001	0	0
59	RAIL2	PX	-.000546	-.000546	0	0
60	PL18	PX	-.000457	-.000457	0	0
61	PL17	PX	-.000457	-.000457	0	0
62	PL16	PX	-.000457	-.000457	0	0
63	PL15	PX	-.000457	-.000457	0	0
64	PL14	PX	-.000457	-.000457	0	0
65	PL13	PX	-.000457	-.000457	0	0
66	PL12	PX	-.000457	-.000457	0	0
67	PL11	PX	-.000457	-.000457	0	0
68	PL10	PX	-.000457	-.000457	0	0

Member Distributed Loads (BLC 33 : Ice Wind Load (150)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
69	PL9	PX	-.000457	-.000457	0	0
70	PL8	PX	-.000457	-.000457	0	0
71	PL7	PX	-.000457	-.000457	0	0
72	PL6	PX	-.000457	-.000457	0	0
73	PL5	PX	-.000457	-.000457	0	0
74	PL4	PX	-.000457	-.000457	0	0
75	PL3	PX	-.000457	-.000457	0	0
76	PL2	PX	-.000457	-.000457	0	0
77	PL1	PX	-.000457	-.000457	0	0
78	MP GAMMA3	PX	-.002	-.002	0	0
79	MP GAMMA2	PX	-.002	-.002	0	0
80	MP GAMMA1	PX	-.002	-.002	0	0
81	MP BETA3	PX	-.002	-.002	0	0
82	MP BETA2	PX	-.002	-.002	0	0
83	MP BETA1	PX	-.002	-.002	0	0
84	MP ALPHA3	PX	-.002	-.002	0	0
85	MP ALPHA2	PX	-.002	-.002	0	0
86	MP ALPHA1	PX	-.002	-.002	0	0
87	FACE3	PX	-.001	-.001	0	0
88	FACE1	PX	-.001	-.001	0	0
89	FACE2	PX	-.000655	-.000655	0	0
90	CR6	PX	-.001	-.001	0	0
91	CR5	PX	-.001	-.001	0	0
92	CPL3	PX	-.000457	-.000457	0	0
93	CPL2	PX	-.000457	-.000457	0	0
94	CPL1	PX	-.000457	-.000457	0	0
95	ANGLE6	PX	-.000751	-.000751	0	0
96	ANGLE5	PX	-.000751	-.000751	0	0
97	ANGLE4	PX	-.000751	-.000751	0	0
98	ANGLE3	PX	-.000751	-.000751	0	0
99	ANGLE2	PX	-.000751	-.000751	0	0
100	ANGLE1	PX	-.000751	-.000751	0	0
101	CR4	PY	.002	.002	0	0
102	CR4	PX	-.001	-.001	0	0
103	CR3	PY	.002	.002	0	0
104	CR3	PX	-.001	-.001	0	0
105	CR2	PY	.002	.002	0	0
106	CR2	PX	-.001	-.001	0	0
107	CR1	PY	.002	.002	0	0
108	CR1	PX	-.001	-.001	0	0

Member Distributed Loads (BLC 34 : Ice Wind Load (180))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SO3	PY	.001	.001	0	0
2	SO2	PY	.001	.001	0	0
3	SO1	PY	.001	.001	0	0
4	RPL3	PY	.002	.002	0	0
5	RPL2	PY	.002	.002	0	0
6	RPL1	PY	.002	.002	0	0
7	RAIL1	PY	.002	.002	0	0
8	RAIL3	PY	.002	.002	0	0

Member Distributed Loads (BLC 34 : Ice Wind Load (180)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
9	RAIL2	PY	.001	.001	0	0
10	PL18	PY	.000914	.000914	0	0
11	PL17	PY	.000914	.000914	0	0
12	PL16	PY	.000914	.000914	0	0
13	PL15	PY	.000914	.000914	0	0
14	PL14	PY	.000914	.000914	0	0
15	PL13	PY	.000914	.000914	0	0
16	PL12	PY	.000914	.000914	0	0
17	PL11	PY	.000914	.000914	0	0
18	PL10	PY	.000914	.000914	0	0
19	PL9	PY	.000914	.000914	0	0
20	PL8	PY	.000914	.000914	0	0
21	PL7	PY	.000914	.000914	0	0
22	PL6	PY	.000914	.000914	0	0
23	PL5	PY	.000914	.000914	0	0
24	PL4	PY	.000914	.000914	0	0
25	PL3	PY	.000914	.000914	0	0
26	PL2	PY	.000914	.000914	0	0
27	PL1	PY	.000914	.000914	0	0
28	MP GAMMA3	PY	.003	.003	0	0
29	MP GAMMA2	PY	.003	.003	0	0
30	MP GAMMA1	PY	.003	.003	0	0
31	MP BETA3	PY	.003	.003	0	0
32	MP BETA2	PY	.003	.003	0	0
33	MP BETA1	PY	.003	.003	0	0
34	MP ALPHA3	PY	.003	.003	0	0
35	MP ALPHA2	PY	.003	.003	0	0
36	MP ALPHA1	PY	.003	.003	0	0
37	FACE3	PY	.003	.003	0	0
38	FACE1	PY	.003	.003	0	0
39	FACE2	PY	.001	.001	0	0
40	CR6	PY	.002	.002	0	0
41	CR5	PY	.002	.002	0	0
42	CPL3	PY	.000914	.000914	0	0
43	CPL2	PY	.000914	.000914	0	0
44	CPL1	PY	.000914	.000914	0	0
45	ANGLE6	PY	.002	.002	0	0
46	ANGLE5	PY	.002	.002	0	0
47	ANGLE4	PY	.002	.002	0	0
48	ANGLE3	PY	.002	.002	0	0
49	ANGLE2	PY	.002	.002	0	0
50	ANGLE1	PY	.002	.002	0	0
51	CR4	PY	.002	.002	0	0
52	CR3	PY	.002	.002	0	0
53	CR2	PY	.002	.002	0	0
54	CR1	PY	.002	.002	0	0

Member Distributed Loads (BLC 35 : Ice Wind Load (210))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SO3	PY	.001	.001	0	0
2	SO2	PY	.001	.001	0	0

Member Distributed Loads (BLC 35 : Ice Wind Load (210)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
3	SO1	PY	.001	.001	0	0
4	RPL3	PY	.002	.002	0	0
5	RPL2	PY	.002	.002	0	0
6	RPL1	PY	.002	.002	0	0
7	RAIL1	PY	.002	.002	0	0
8	RAIL2	PY	.002	.002	0	0
9	RAIL3	PY	.000946	.000946	0	0
10	PL18	PY	.000791	.000791	0	0
11	PL17	PY	.000791	.000791	0	0
12	PL16	PY	.000791	.000791	0	0
13	PL15	PY	.000791	.000791	0	0
14	PL14	PY	.000791	.000791	0	0
15	PL13	PY	.000791	.000791	0	0
16	PL12	PY	.000791	.000791	0	0
17	PL11	PY	.000791	.000791	0	0
18	PL10	PY	.000791	.000791	0	0
19	PL9	PY	.000791	.000791	0	0
20	PL8	PY	.000791	.000791	0	0
21	PL7	PY	.000791	.000791	0	0
22	PL6	PY	.000791	.000791	0	0
23	PL5	PY	.000791	.000791	0	0
24	PL4	PY	.000791	.000791	0	0
25	PL3	PY	.000791	.000791	0	0
26	PL2	PY	.000791	.000791	0	0
27	PL1	PY	.000791	.000791	0	0
28	MP GAMMA3	PY	.003	.003	0	0
29	MP GAMMA2	PY	.003	.003	0	0
30	MP GAMMA1	PY	.003	.003	0	0
31	MP BETA3	PY	.003	.003	0	0
32	MP BETA2	PY	.003	.003	0	0
33	MP BETA1	PY	.003	.003	0	0
34	MP ALPHA3	PY	.003	.003	0	0
35	MP ALPHA2	PY	.003	.003	0	0
36	MP ALPHA1	PY	.003	.003	0	0
37	FACE1	PY	.002	.002	0	0
38	FACE2	PY	.002	.002	0	0
39	FACE3	PY	.001	.001	0	0
40	CR6	PY	.002	.002	0	0
41	CR5	PY	.002	.002	0	0
42	CPL3	PY	.000791	.000791	0	0
43	CPL2	PY	.000791	.000791	0	0
44	CPL1	PY	.000791	.000791	0	0
45	ANGLE6	PY	.001	.001	0	0
46	ANGLE5	PY	.001	.001	0	0
47	ANGLE4	PY	.001	.001	0	0
48	ANGLE3	PY	.001	.001	0	0
49	ANGLE2	PY	.001	.001	0	0
50	ANGLE1	PY	.001	.001	0	0
51	SO3	PX	.000696	.000696	0	0
52	SO2	PX	.000696	.000696	0	0
53	SO1	PX	.000696	.000696	0	0
54	RPL3	PX	.001	.001	0	0

Member Distributed Loads (BLC 35 : Ice Wind Load (210)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
55	RPL2	PX	.001	.001	0	0
56	RPL1	PX	.001	.001	0	0
57	RAIL1	PX	.001	.001	0	0
58	RAIL2	PX	.001	.001	0	0
59	RAIL3	PX	.000546	.000546	0	0
60	PL18	PX	.000457	.000457	0	0
61	PL17	PX	.000457	.000457	0	0
62	PL16	PX	.000457	.000457	0	0
63	PL15	PX	.000457	.000457	0	0
64	PL14	PX	.000457	.000457	0	0
65	PL13	PX	.000457	.000457	0	0
66	PL12	PX	.000457	.000457	0	0
67	PL11	PX	.000457	.000457	0	0
68	PL10	PX	.000457	.000457	0	0
69	PL9	PX	.000457	.000457	0	0
70	PL8	PX	.000457	.000457	0	0
71	PL7	PX	.000457	.000457	0	0
72	PL6	PX	.000457	.000457	0	0
73	PL5	PX	.000457	.000457	0	0
74	PL4	PX	.000457	.000457	0	0
75	PL3	PX	.000457	.000457	0	0
76	PL2	PX	.000457	.000457	0	0
77	PL1	PX	.000457	.000457	0	0
78	MP GAMMA3	PX	.002	.002	0	0
79	MP GAMMA2	PX	.002	.002	0	0
80	MP GAMMA1	PX	.002	.002	0	0
81	MP BETA3	PX	.002	.002	0	0
82	MP BETA2	PX	.002	.002	0	0
83	MP BETA1	PX	.002	.002	0	0
84	MP ALPHA3	PX	.002	.002	0	0
85	MP ALPHA2	PX	.002	.002	0	0
86	MP ALPHA1	PX	.002	.002	0	0
87	FACE1	PX	.001	.001	0	0
88	FACE2	PX	.001	.001	0	0
89	FACE3	PX	.000655	.000655	0	0
90	CR6	PX	.001	.001	0	0
91	CR5	PX	.001	.001	0	0
92	CPL3	PX	.000457	.000457	0	0
93	CPL2	PX	.000457	.000457	0	0
94	CPL1	PX	.000457	.000457	0	0
95	ANGLE6	PX	.000751	.000751	0	0
96	ANGLE5	PX	.000751	.000751	0	0
97	ANGLE4	PX	.000751	.000751	0	0
98	ANGLE3	PX	.000751	.000751	0	0
99	ANGLE2	PX	.000751	.000751	0	0
100	ANGLE1	PX	.000751	.000751	0	0
101	CR4	PY	.002	.002	0	0
102	CR4	PX	.001	.001	0	0
103	CR3	PY	.002	.002	0	0
104	CR3	PX	.001	.001	0	0
105	CR2	PY	.002	.002	0	0
106	CR2	PX	.001	.001	0	0

Member Distributed Loads (BLC 35 : Ice Wind Load (210)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
107	CR1	PY	.002	.002	0	0
108	CR1	PX	.001	.001	0	0

Member Distributed Loads (BLC 36 : Ice Wind Load (240))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SO3	PY	.000696	.000696	0	0
2	SO2	PY	.000696	.000696	0	0
3	SO1	PY	.000696	.000696	0	0
4	RPL3	PY	.001	.001	0	0
5	RPL2	PY	.001	.001	0	0
6	RPL1	PY	.001	.001	0	0
7	RAIL1	PY	.001	.001	0	0
8	RAIL2	PY	.001	.001	0	0
9	RAIL3	PY	.000546	.000546	0	0
10	PL18	PY	.000457	.000457	0	0
11	PL17	PY	.000457	.000457	0	0
12	PL16	PY	.000457	.000457	0	0
13	PL15	PY	.000457	.000457	0	0
14	PL14	PY	.000457	.000457	0	0
15	PL13	PY	.000457	.000457	0	0
16	PL12	PY	.000457	.000457	0	0
17	PL11	PY	.000457	.000457	0	0
18	PL10	PY	.000457	.000457	0	0
19	PL9	PY	.000457	.000457	0	0
20	PL8	PY	.000457	.000457	0	0
21	PL7	PY	.000457	.000457	0	0
22	PL6	PY	.000457	.000457	0	0
23	PL5	PY	.000457	.000457	0	0
24	PL4	PY	.000457	.000457	0	0
25	PL3	PY	.000457	.000457	0	0
26	PL2	PY	.000457	.000457	0	0
27	PL1	PY	.000457	.000457	0	0
28	MP GAMMA3	PY	.002	.002	0	0
29	MP GAMMA2	PY	.002	.002	0	0
30	MP GAMMA1	PY	.002	.002	0	0
31	MP BETA3	PY	.002	.002	0	0
32	MP BETA2	PY	.002	.002	0	0
33	MP BETA1	PY	.002	.002	0	0
34	MP ALPHA3	PY	.002	.002	0	0
35	MP ALPHA2	PY	.002	.002	0	0
36	MP ALPHA1	PY	.002	.002	0	0
37	FACE1	PY	.001	.001	0	0
38	FACE2	PY	.001	.001	0	0
39	FACE3	PY	.000655	.000655	0	0
40	CR6	PY	.001	.001	0	0
41	CR5	PY	.001	.001	0	0
42	CPL3	PY	.000457	.000457	0	0
43	CPL2	PY	.000457	.000457	0	0
44	CPL1	PY	.000457	.000457	0	0
45	ANGLE6	PY	.000751	.000751	0	0
46	ANGLE5	PY	.000751	.000751	0	0

Member Distributed Loads (BLC 36 : Ice Wind Load (240)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
47	ANGLE4	PY	.000751	.000751	0	0
48	ANGLE3	PY	.000751	.000751	0	0
49	ANGLE2	PY	.000751	.000751	0	0
50	ANGLE1	PY	.000751	.000751	0	0
51	SO3	PX	.001	.001	0	0
52	SO2	PX	.001	.001	0	0
53	SO1	PX	.001	.001	0	0
54	RPL3	PX	.002	.002	0	0
55	RPL2	PX	.002	.002	0	0
56	RPL1	PX	.002	.002	0	0
57	RAIL1	PX	.002	.002	0	0
58	RAIL2	PX	.002	.002	0	0
59	RAIL3	PX	.000946	.000946	0	0
60	PL18	PX	.000791	.000791	0	0
61	PL17	PX	.000791	.000791	0	0
62	PL16	PX	.000791	.000791	0	0
63	PL15	PX	.000791	.000791	0	0
64	PL14	PX	.000791	.000791	0	0
65	PL13	PX	.000791	.000791	0	0
66	PL12	PX	.000791	.000791	0	0
67	PL11	PX	.000791	.000791	0	0
68	PL10	PX	.000791	.000791	0	0
69	PL9	PX	.000791	.000791	0	0
70	PL8	PX	.000791	.000791	0	0
71	PL7	PX	.000791	.000791	0	0
72	PL6	PX	.000791	.000791	0	0
73	PL5	PX	.000791	.000791	0	0
74	PL4	PX	.000791	.000791	0	0
75	PL3	PX	.000791	.000791	0	0
76	PL2	PX	.000791	.000791	0	0
77	PL1	PX	.000791	.000791	0	0
78	MP GAMMA3	PX	.003	.003	0	0
79	MP GAMMA2	PX	.003	.003	0	0
80	MP GAMMA1	PX	.003	.003	0	0
81	MP BETA3	PX	.003	.003	0	0
82	MP BETA2	PX	.003	.003	0	0
83	MP BETA1	PX	.003	.003	0	0
84	MP ALPHA3	PX	.003	.003	0	0
85	MP ALPHA2	PX	.003	.003	0	0
86	MP ALPHA1	PX	.003	.003	0	0
87	FACE1	PX	.002	.002	0	0
88	FACE2	PX	.002	.002	0	0
89	FACE3	PX	.001	.001	0	0
90	CR6	PX	.002	.002	0	0
91	CR5	PX	.002	.002	0	0
92	CPL3	PX	.000791	.000791	0	0
93	CPL2	PX	.000791	.000791	0	0
94	CPL1	PX	.000791	.000791	0	0
95	ANGLE6	PX	.001	.001	0	0
96	ANGLE5	PX	.001	.001	0	0
97	ANGLE4	PX	.001	.001	0	0
98	ANGLE3	PX	.001	.001	0	0

Member Distributed Loads (BLC 36 : Ice Wind Load (240)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
99	ANGLE2	PX	.001	.001	0	0
100	ANGLE1	PX	.001	.001	0	0
101	CR4	PY	.001	.001	0	0
102	CR4	PX	.002	.002	0	0
103	CR3	PY	.001	.001	0	0
104	CR3	PX	.002	.002	0	0
105	CR2	PY	.001	.001	0	0
106	CR2	PX	.002	.002	0	0
107	CR1	PY	.001	.001	0	0
108	CR1	PX	.002	.002	0	0

Member Distributed Loads (BLC 37 : Ice Wind Load (270))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SO3	PX	.001	.001	0	0
2	SO2	PX	.001	.001	0	0
3	SO1	PX	.001	.001	0	0
4	RPL3	PX	.002	.002	0	0
5	RPL2	PX	.002	.002	0	0
6	RPL1	PX	.002	.002	0	0
7	RAIL1	PX	.002	.002	0	0
8	RAIL2	PX	.002	.002	0	0
9	RAIL3	PX	.001	.001	0	0
10	PL18	PX	.000914	.000914	0	0
11	PL17	PX	.000914	.000914	0	0
12	PL16	PX	.000914	.000914	0	0
13	PL15	PX	.000914	.000914	0	0
14	PL14	PX	.000914	.000914	0	0
15	PL13	PX	.000914	.000914	0	0
16	PL12	PX	.000914	.000914	0	0
17	PL11	PX	.000914	.000914	0	0
18	PL10	PX	.000914	.000914	0	0
19	PL9	PX	.000914	.000914	0	0
20	PL8	PX	.000914	.000914	0	0
21	PL7	PX	.000914	.000914	0	0
22	PL6	PX	.000914	.000914	0	0
23	PL5	PX	.000914	.000914	0	0
24	PL4	PX	.000914	.000914	0	0
25	PL3	PX	.000914	.000914	0	0
26	PL2	PX	.000914	.000914	0	0
27	PL1	PX	.000914	.000914	0	0
28	MP GAMMA3	PX	.003	.003	0	0
29	MP GAMMA2	PX	.003	.003	0	0
30	MP GAMMA1	PX	.003	.003	0	0
31	MP BETA3	PX	.003	.003	0	0
32	MP BETA2	PX	.003	.003	0	0
33	MP BETA1	PX	.003	.003	0	0
34	MP ALPHA3	PX	.003	.003	0	0
35	MP ALPHA2	PX	.003	.003	0	0
36	MP ALPHA1	PX	.003	.003	0	0
37	FACE1	PX	.003	.003	0	0
38	FACE2	PX	.003	.003	0	0

Member Distributed Loads (BLC 37 : Ice Wind Load (270)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
39	FACE3	PX	.001	.001	0	0
40	CR6	PX	.002	.002	0	0
41	CR5	PX	.002	.002	0	0
42	CPL3	PX	.000914	.000914	0	0
43	CPL2	PX	.000914	.000914	0	0
44	CPL1	PX	.000914	.000914	0	0
45	ANGLE6	PX	.002	.002	0	0
46	ANGLE5	PX	.002	.002	0	0
47	ANGLE4	PX	.002	.002	0	0
48	ANGLE3	PX	.002	.002	0	0
49	ANGLE2	PX	.002	.002	0	0
50	ANGLE1	PX	.002	.002	0	0
51	CR4	PX	.002	.002	0	0
52	CR3	PX	.002	.002	0	0
53	CR2	PX	.002	.002	0	0
54	CR1	PX	.002	.002	0	0

Member Distributed Loads (BLC 38 : Ice Wind Load (300))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SO3	PY	-.000696	-.000696	0	0
2	SO2	PY	-.000696	-.000696	0	0
3	SO1	PY	-.000696	-.000696	0	0
4	RPL3	PY	-.001	-.001	0	0
5	RPL2	PY	-.001	-.001	0	0
6	RPL1	PY	-.001	-.001	0	0
7	RAIL1	PY	-.001	-.001	0	0
8	RAIL2	PY	-.001	-.001	0	0
9	RAIL3	PY	-.000546	-.000546	0	0
10	PL18	PY	-.000457	-.000457	0	0
11	PL17	PY	-.000457	-.000457	0	0
12	PL16	PY	-.000457	-.000457	0	0
13	PL15	PY	-.000457	-.000457	0	0
14	PL14	PY	-.000457	-.000457	0	0
15	PL13	PY	-.000457	-.000457	0	0
16	PL12	PY	-.000457	-.000457	0	0
17	PL11	PY	-.000457	-.000457	0	0
18	PL10	PY	-.000457	-.000457	0	0
19	PL9	PY	-.000457	-.000457	0	0
20	PL8	PY	-.000457	-.000457	0	0
21	PL7	PY	-.000457	-.000457	0	0
22	PL6	PY	-.000457	-.000457	0	0
23	PL5	PY	-.000457	-.000457	0	0
24	PL4	PY	-.000457	-.000457	0	0
25	PL3	PY	-.000457	-.000457	0	0
26	PL2	PY	-.000457	-.000457	0	0
27	PL1	PY	-.000457	-.000457	0	0
28	MP GAMMA3	PY	-.002	-.002	0	0
29	MP GAMMA2	PY	-.002	-.002	0	0
30	MP GAMMA1	PY	-.002	-.002	0	0
31	MP BETA3	PY	-.002	-.002	0	0
32	MP BETA2	PY	-.002	-.002	0	0

Member Distributed Loads (BLC 38 : Ice Wind Load (300)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
33	MP BETA1	PY	-.002	-.002	0	0
34	MP ALPHA3	PY	-.002	-.002	0	0
35	MP ALPHA2	PY	-.002	-.002	0	0
36	MP ALPHA1	PY	-.002	-.002	0	0
37	FACE1	PY	-.001	-.001	0	0
38	FACE2	PY	-.001	-.001	0	0
39	FACE3	PY	-.000655	-.000655	0	0
40	CR6	PY	-.001	-.001	0	0
41	CR5	PY	-.001	-.001	0	0
42	CPL3	PY	-.000457	-.000457	0	0
43	CPL2	PY	-.000457	-.000457	0	0
44	CPL1	PY	-.000457	-.000457	0	0
45	ANGLE6	PY	-.000751	-.000751	0	0
46	ANGLE5	PY	-.000751	-.000751	0	0
47	ANGLE4	PY	-.000751	-.000751	0	0
48	ANGLE3	PY	-.000751	-.000751	0	0
49	ANGLE2	PY	-.000751	-.000751	0	0
50	ANGLE1	PY	-.000751	-.000751	0	0
51	SO3	PX	.001	.001	0	0
52	SO2	PX	.001	.001	0	0
53	SO1	PX	.001	.001	0	0
54	RPL3	PX	.002	.002	0	0
55	RPL2	PX	.002	.002	0	0
56	RPL1	PX	.002	.002	0	0
57	RAIL1	PX	.002	.002	0	0
58	RAIL2	PX	.002	.002	0	0
59	RAIL3	PX	.000946	.000946	0	0
60	PL18	PX	.000791	.000791	0	0
61	PL17	PX	.000791	.000791	0	0
62	PL16	PX	.000791	.000791	0	0
63	PL15	PX	.000791	.000791	0	0
64	PL14	PX	.000791	.000791	0	0
65	PL13	PX	.000791	.000791	0	0
66	PL12	PX	.000791	.000791	0	0
67	PL11	PX	.000791	.000791	0	0
68	PL10	PX	.000791	.000791	0	0
69	PL9	PX	.000791	.000791	0	0
70	PL8	PX	.000791	.000791	0	0
71	PL7	PX	.000791	.000791	0	0
72	PL6	PX	.000791	.000791	0	0
73	PL5	PX	.000791	.000791	0	0
74	PL4	PX	.000791	.000791	0	0
75	PL3	PX	.000791	.000791	0	0
76	PL2	PX	.000791	.000791	0	0
77	PL1	PX	.000791	.000791	0	0
78	MP GAMMA3	PX	.003	.003	0	0
79	MP GAMMA2	PX	.003	.003	0	0
80	MP GAMMA1	PX	.003	.003	0	0
81	MP BETA3	PX	.003	.003	0	0
82	MP BETA2	PX	.003	.003	0	0
83	MP BETA1	PX	.003	.003	0	0
84	MP ALPHA3	PX	.003	.003	0	0

Member Distributed Loads (BLC 38 : Ice Wind Load (300)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
85	MP ALPHA2	PX	.003	.003	0	0
86	MP ALPHA1	PX	.003	.003	0	0
87	FACE1	PX	.002	.002	0	0
88	FACE2	PX	.002	.002	0	0
89	FACE3	PX	.001	.001	0	0
90	CR6	PX	.002	.002	0	0
91	CR5	PX	.002	.002	0	0
92	CPL3	PX	.000791	.000791	0	0
93	CPL2	PX	.000791	.000791	0	0
94	CPL1	PX	.000791	.000791	0	0
95	ANGLE6	PX	.001	.001	0	0
96	ANGLE5	PX	.001	.001	0	0
97	ANGLE4	PX	.001	.001	0	0
98	ANGLE3	PX	.001	.001	0	0
99	ANGLE2	PX	.001	.001	0	0
100	ANGLE1	PX	.001	.001	0	0
101	CR4	PY	-.001	-.001	0	0
102	CR4	PX	.002	.002	0	0
103	CR3	PY	-.001	-.001	0	0
104	CR3	PX	.002	.002	0	0
105	CR2	PY	-.001	-.001	0	0
106	CR2	PX	.002	.002	0	0
107	CR1	PY	-.001	-.001	0	0
108	CR1	PX	.002	.002	0	0

Member Distributed Loads (BLC 39 : Ice Wind Load (330))

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	SO3	PY	-.001	-.001	0	0
2	SO2	PY	-.001	-.001	0	0
3	SO1	PY	-.001	-.001	0	0
4	RPL3	PY	-.002	-.002	0	0
5	RPL2	PY	-.002	-.002	0	0
6	RPL1	PY	-.002	-.002	0	0
7	RAIL3	PY	-.002	-.002	0	0
8	RAIL2	PY	-.002	-.002	0	0
9	RAIL1	PY	-.000946	-.000946	0	0
10	PL18	PY	-.000791	-.000791	0	0
11	PL17	PY	-.000791	-.000791	0	0
12	PL16	PY	-.000791	-.000791	0	0
13	PL15	PY	-.000791	-.000791	0	0
14	PL14	PY	-.000791	-.000791	0	0
15	PL13	PY	-.000791	-.000791	0	0
16	PL12	PY	-.000791	-.000791	0	0
17	PL11	PY	-.000791	-.000791	0	0
18	PL10	PY	-.000791	-.000791	0	0
19	PL9	PY	-.000791	-.000791	0	0
20	PL8	PY	-.000791	-.000791	0	0
21	PL7	PY	-.000791	-.000791	0	0
22	PL6	PY	-.000791	-.000791	0	0
23	PL5	PY	-.000791	-.000791	0	0
24	PL4	PY	-.000791	-.000791	0	0

Member Distributed Loads (BLC 39 : Ice Wind Load (330)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
25	PL3	PY	-.000791	-.000791	0	0
26	PL2	PY	-.000791	-.000791	0	0
27	PL1	PY	-.000791	-.000791	0	0
28	MP GAMMA3	PY	-.003	-.003	0	0
29	MP GAMMA2	PY	-.003	-.003	0	0
30	MP GAMMA1	PY	-.003	-.003	0	0
31	MP BETA3	PY	-.003	-.003	0	0
32	MP BETA2	PY	-.003	-.003	0	0
33	MP BETA1	PY	-.003	-.003	0	0
34	MP ALPHA3	PY	-.003	-.003	0	0
35	MP ALPHA2	PY	-.003	-.003	0	0
36	MP ALPHA1	PY	-.003	-.003	0	0
37	FACE3	PY	-.002	-.002	0	0
38	FACE2	PY	-.002	-.002	0	0
39	FACE1	PY	-.001	-.001	0	0
40	CR6	PY	-.002	-.002	0	0
41	CR5	PY	-.002	-.002	0	0
42	CPL3	PY	-.000791	-.000791	0	0
43	CPL2	PY	-.000791	-.000791	0	0
44	CPL1	PY	-.000791	-.000791	0	0
45	ANGLE6	PY	-.001	-.001	0	0
46	ANGLE5	PY	-.001	-.001	0	0
47	ANGLE4	PY	-.001	-.001	0	0
48	ANGLE3	PY	-.001	-.001	0	0
49	ANGLE2	PY	-.001	-.001	0	0
50	ANGLE1	PY	-.001	-.001	0	0
51	SO3	PX	.000696	.000696	0	0
52	SO2	PX	.000696	.000696	0	0
53	SO1	PX	.000696	.000696	0	0
54	RPL3	PX	.001	.001	0	0
55	RPL2	PX	.001	.001	0	0
56	RPL1	PX	.001	.001	0	0
57	RAIL3	PX	.001	.001	0	0
58	RAIL2	PX	.001	.001	0	0
59	RAIL1	PX	.000546	.000546	0	0
60	PL18	PX	.000457	.000457	0	0
61	PL17	PX	.000457	.000457	0	0
62	PL16	PX	.000457	.000457	0	0
63	PL15	PX	.000457	.000457	0	0
64	PL14	PX	.000457	.000457	0	0
65	PL13	PX	.000457	.000457	0	0
66	PL12	PX	.000457	.000457	0	0
67	PL11	PX	.000457	.000457	0	0
68	PL10	PX	.000457	.000457	0	0
69	PL9	PX	.000457	.000457	0	0
70	PL8	PX	.000457	.000457	0	0
71	PL7	PX	.000457	.000457	0	0
72	PL6	PX	.000457	.000457	0	0
73	PL5	PX	.000457	.000457	0	0
74	PL4	PX	.000457	.000457	0	0
75	PL3	PX	.000457	.000457	0	0
76	PL2	PX	.000457	.000457	0	0

Member Distributed Loads (BLC 39 : Ice Wind Load (330)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
77	PL1	PX	.000457	.000457	0	0
78	MP GAMMA3	PX	.002	.002	0	0
79	MP GAMMA2	PX	.002	.002	0	0
80	MP GAMMA1	PX	.002	.002	0	0
81	MP BETA3	PX	.002	.002	0	0
82	MP BETA2	PX	.002	.002	0	0
83	MP BETA1	PX	.002	.002	0	0
84	MP ALPHA3	PX	.002	.002	0	0
85	MP ALPHA2	PX	.002	.002	0	0
86	MP ALPHA1	PX	.002	.002	0	0
87	FACE3	PX	.001	.001	0	0
88	FACE2	PX	.001	.001	0	0
89	FACE1	PX	.000655	.000655	0	0
90	CR6	PX	.001	.001	0	0
91	CR5	PX	.001	.001	0	0
92	CPL3	PX	.000457	.000457	0	0
93	CPL2	PX	.000457	.000457	0	0
94	CPL1	PX	.000457	.000457	0	0
95	ANGLE6	PX	.000751	.000751	0	0
96	ANGLE5	PX	.000751	.000751	0	0
97	ANGLE4	PX	.000751	.000751	0	0
98	ANGLE3	PX	.000751	.000751	0	0
99	ANGLE2	PX	.000751	.000751	0	0
100	ANGLE1	PX	.000751	.000751	0	0
101	CR4	PY	-.002	-.002	0	0
102	CR4	PX	.001	.001	0	0
103	CR3	PY	-.002	-.002	0	0
104	CR3	PX	.001	.001	0	0
105	CR2	PY	-.002	-.002	0	0
106	CR2	PX	.001	.001	0	0
107	CR1	PY	-.002	-.002	0	0
108	CR1	PX	.001	.001	0	0

Member Distributed Loads (BLC 43 : BLC 3 Transient Area Loads)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	ANGLE3	Z	-.015	-.015	.227	2.275
2	ANGLE2	Z	-.014	-.02	.227	1.251
3	ANGLE2	Z	-.02	-.026	1.251	2.275
4	ANGLE4	Z	-.01	-.02	.227	2.275
5	ANGLE1	Z	-.014	-.02	.227	1.251
6	ANGLE1	Z	-.02	-.026	1.251	2.275
7	ANGLE6	Z	-.01	-.02	.227	2.275
8	ANGLE5	Z	-.014	-.02	.227	1.251
9	ANGLE5	Z	-.02	-.026	1.251	2.275

Member Distributed Loads (BLC 44 : BLC 27 Transient Area Loads)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	ANGLE3	Z	-.021	-.021	.227	2.275
2	ANGLE2	Z	-.02	-.028	.227	1.251
3	ANGLE2	Z	-.028	-.036	1.251	2.275
4	ANGLE4	Z	-.014	-.028	.227	2.275

Member Distributed Loads (BLC 44 : BLC 27 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft,F...	Start Location[ft,%]	End Location[ft,%]
5	ANGLE1	Z	-.02	-.028	.227	1.251
6	ANGLE1	Z	-.028	-.036	1.251	2.275
7	ANGLE6	Z	-.014	-.028	.227	2.275
8	ANGLE5	Z	-.02	-.028	.227	1.251
9	ANGLE5	Z	-.028	-.036	1.251	2.275

Member Area Loads (BLC 3 : Dead Load)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	P11	P12	P9	P10	Z	Two Way	-.01
2	P23	P22	P21	P20	Z	Two Way	-.01
3	P31	P34	P33	P32	Z	Two Way	-.01

Member Area Loads (BLC 27 : Ice Dead Load)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	P10	P11	P12	P9	Z	Two Way	-.014
2	P20	P23	P22	P21	Z	Two Way	-.014
3	P31	P34	P33	P32	Z	Two Way	-.014

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Member)	Surface(...
1	Live Load	DL					1			
2	Wind Load (0)	DL					13	54		
3	Dead Load	DL			-1.1		13		3	
4	Wind Load (30)	DL					26	108		
5	Wind Load (60)	DL					26	108		
6	Wind Load (90)	DL					13	54		
7	Wind Load (120)	DL					26	108		
8	Wind Load (150)	DL					26	108		
9	Wind Load (180)	DL					13	54		
10	Wind Load (210)	DL					26	108		
11	Wind Load (240)	DL					26	108		
12	Wind Load (270)	DL					13	54		
13	Wind Load (300)	DL					26	108		
14	Wind Load (330)	DL					26	108		
15	Maintanence (0)	DL					13	54		
16	Maintanence (30)	DL					26	108		
17	Maintanence (60)	DL					26	108		
18	Maintanence (90)	DL					13	54		
19	Maintanence (120)	DL					26	108		
20	Maintanence (150)	DL					26	108		
21	Maintanence (180)	DL					13	54		
22	Maintanence (210)	DL					26	108		
23	Maintanence (240)	DL					26	108		
24	Maintanence (270)	DL					13	54		
25	Maintanence (300)	DL					26	108		
26	Maintanence (330)	DL					26	108		
27	Ice Dead Load	DL					13	54	3	
28	Ice Wind Load (0)	DL					13	54		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Member)	Surface(...
29	Ice Wind Load (30)	DL					26	108		
30	Ice Wind Load (60)	DL					26	108		
31	Ice Wind Load (90)	DL					13	54		
32	Ice Wind Load (120)	DL					26	108		
33	Ice Wind Load (150)	DL					26	108		
34	Ice Wind Load (180)	DL					13	54		
35	Ice Wind Load (210)	DL					26	108		
36	Ice Wind Load (240)	DL					26	108		
37	Ice Wind Load (270)	DL					13	54		
38	Ice Wind Load (300)	DL					26	108		
39	Ice Wind Load (330)	DL					26	108		
40	Earthquake (x-directi...	DL	-.111				13			
41	Earthquake (y-directi...	DL		-.111			13			
42	Earthquake (z-directi...	DL			-.045		13			
43	BLC 3 Transient Are...	None						9		
44	BLC 27 Transient Ar...	None						9		

Load Combinations

	Description	So...	P...	SR..	BLC	Fact..	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		3	1.4																				
2	1.2D + 1.0W(0)	Yes	Y		3	1.2	2	1																		
3	1.2D + 1.0Di +..	Yes	Y		3	1.2	27	1	28	1																
4	1.2D + 1.5L + ...	Yes	Y		3	1.2	1	1.5	15	1																
5	1.2D + 1.0W(3..	Yes	Y		3	1.2	4	1																		
6	1.2D + 1.0Di +...	Yes	Y		3	1.2	27	1	29	1																
7	1.2D + 1.5L + ...	Yes	Y		3	1.2	1	1.5	16	1																
8	1.2D + 1.0W(6..	Yes	Y		3	1.2	5	1																		
9	1.2D + 1.0Di +...	Yes	Y		3	1.2	27	1	30	1																
10	1.2D + 1.5L + ...	Yes	Y		3	1.2	1	1.5	17	1																
11	1.2D + 1.0W(9..	Yes	Y		3	1.2	6	1																		
12	1.2D + 1.0Di +...	Yes	Y		3	1.2	27	1	31	1																
13	1.2D + 1.5L + ...	Yes	Y		3	1.2	1	1.5	18	1																
14	1.2D + 1.0W(1..	Yes	Y		3	1.2	7	1																		
15	1.2D + 1.0Di +...	Yes	Y		3	1.2	27	1	32	1																
16	1.2D + 1.5L + ...	Yes	Y		3	1.2	1	1.5	19	1																
17	1.2D + 1.0W(1..	Yes	Y		3	1.2	8	1																		
18	1.2D + 1.0Di +...	Yes	Y		3	1.2	27	1	33	1																
19	1.2D + 1.5L + ...	Yes	Y		3	1.2	1	1.5	20	1																
20	1.2D + 1.0W(1..	Yes	Y		3	1.2	9	1																		
21	1.2D + 1.0Di +...	Yes	Y		3	1.2	27	1	34	1																
22	1.2D + 1.5L + ...	Yes	Y		3	1.2	1	1.5	21	1																
23	1.2D + 1.0W(2..	Yes	Y		3	1.2	10	1																		
24	1.2D + 1.0Di +...	Yes	Y		3	1.2	27	1	35	1																
25	1.2D + 1.5L + ...	Yes	Y		3	1.2	1	1.5	22	1																
26	1.2D + 1.0W(2..	Yes	Y		3	1.2	11	1																		
27	1.2D + 1.0Di +...	Yes	Y		3	1.2	27	1	36	1																
28	1.2D + 1.5L + ...	Yes	Y		3	1.2	1	1.5	23	1																
29	1.2D + 1.0W(2..	Yes	Y		3	1.2	12	1																		
30	1.2D + 1.0Di +...	Yes	Y		3	1.2	27	1	37	1																
31	1.2D + 1.5L + ...	Yes	Y		3	1.2	1	1.5	24	1																

Load Combinations (Continued)

	Description	So..	P..	SR..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact...
32	1.2D + 1.0W(3..	Yes	Y		3	1.2	13	1																		
33	1.2D + 1.0Di +..	Yes	Y		3	1.2	27	1	38	1																
34	1.2D + 1.5L + ..	Yes	Y		3	1.2	1	1.5	25	1																
35	1.2D + 1.0W(3..	Yes	Y		3	1.2	14	1																		
36	1.2D + 1.0Di +..	Yes	Y		3	1.2	27	1	39	1																
37	1.2D + 1.5L + ..	Yes	Y		3	1.2	1	1.5	26	1																
38	1.2D + 1.0E(x)..	Yes	Y		3	1.2	40	1	42	1	1	1														
39	1.2D + 1.0E(y)..	Yes	Y		3	1.2	41	1	42	1	1	1														
40	1.2D - 1.0E(x) ..	Yes	Y		3	1.2	40	-1	42	1	1	1														
41	1.2D - 1.0E(y) ..	Yes	Y		3	1.2	41	-1	42	1	1	1														

Envelope Joint Reactions

	Joint		X [k]	LC	Y [k]	LC	Z [k]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	P24	max	1.067	11	.489	2	1.674	21	3.843	21	.216	11	1.468	29
2		min	-1.072	29	-.445	20	.39	2	.605	2	-.521	29	-1.469	11
3	P13	max	.57	8	1.036	2	1.76	33	-.365	17	-.573	14	1.567	5
4		min	-.53	26	-1.082	20	.436	14	-2.372	36	-3.339	33	-1.579	23
5	P1	max	.73	14	.907	35	1.696	9	-.173	23	3.481	9	1.508	17
6		min	-.77	32	-.932	17	.41	26	-2.538	7	.602	26	-1.51	35
7	Totals:	max	2.192	11	2.273	2	4.814	36						
8		min	-2.192	29	-2.302	20	2.598	17						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc[ft]	Dir	LC	phi*...	phi*...	phi*...	phi*...	Cb	Eqn
1	PL6	2 x 0.5	.154	.125	20	.439	.25	y	2	31.6..	32.4	.338	1.35	3.1..	H1-...
2	PL1	2 x 0.5	.070	0	26	.413	0	y	26	31.6..	32.4	.338	1.35	3.1..	H1-...
3	PL5	2 x 0.5	.068	0	5	.413	0	y	2	31.6..	32.4	.338	1.35	3.12	H1-...
4	PL4	2 x 0.5	.140	.125	32	.404	.25	y	14	31.6..	32.4	.338	1.35	3.1..	H1-...
5	PL2	2 x 0.5	.138	.125	8	.397	.25	y	26	31.6..	32.4	.338	1.35	3.1..	H1-...
6	PL3	2 x 0.5	.070	0	17	.396	0	y	14	31.6..	32.4	.338	1.35	3.12	H1-...
7	PL11	2 x 0.5	.182	.125	14	.216	0	y	2	31.6..	32.4	.338	1.35	3.1..	H1-...
8	PL8	2 x 0.5	.189	.125	2	.212	0	y	26	31.6..	32.4	.338	1.35	3.1..	H1-...
9	PL14	2 x 0.5	.137	.125	23	.210	0	y	20	31.6..	32.4	.338	1.35	3.1..	H1-...
10	PL16	2 x 0.5	.183	.125	26	.206	0	y	14	31.6..	32.4	.338	1.35	3.1..	H1-...
11	PL13	2 x 0.5	.181	.173	8	.203	.173	y	20	32.0..	32.4	.338	1.35	1.2..	H1-...
12	PL12	2 x 0.5	.130	.125	11	.196	0	y	8	31.6..	32.4	.338	1.35	3.1..	H1-...
13	PL18	2 x 0.5	.129	.125	35	.192	0	y	32	31.6..	32.4	.338	1.35	3.1..	H1-...
14	PL9	2 x 0.5	.189	.173	20	.190	.173	y	8	32.0..	32.4	.338	1.35	1.2..	H1-...
15	PL17	2 x 0.5	.185	.173	8	.188	.173	y	32	32.0..	32.4	.338	1.35	1.2..	H1-...
16	CPL2	PL6.5x...	.148	1.5	8	.176	.25	y	19	4.979	78.9..	.617	8.865	1.3..	H1-...
17	PL10	2 x 0.5	.241	0	14	.155	0	y	20	31.9..	32.4	.338	1.35	1.4..	H1-...
18	PL7	2 x 0.5	.249	0	2	.149	0	y	8	31.9..	32.4	.338	1.35	1.4..	H1-...
19	CPL1	PL6.5x...	.154	1.5	35	.148	2.75	y	23	4.979	78.9..	.617	9.113	1.39	H1-...
20	PL15	2 x 0.5	.245	0	26	.145	0	y	32	31.9..	32.4	.338	1.35	1.4..	H1-...
21	CPL3	PL6.5x...	.150	1.5	20	.132	2.75	y	11	4.979	78.9..	.617	8.911	1.3..	H1-...
22	RAIL1	PIPE_2...	.069	.5	11	.088	7.667		20	33.4..	66.6..	4.727	4.727	1.6..	H1-...
23	RAIL3	PIPE_2...	.073	.5	35	.088	.5		23	33.4..	66.6..	4.727	4.727	1.7..	H1-...
24	RAIL2	PIPE_2...	.068	.5	23	.087	7.667		35	33.4..	66.6..	4.727	4.727	1.7..	H1-...
25	CR1	C3.38x...	.160	0	32	.075	2.209	z	3	63.34	78.75	3.059	7.989	1.6..	H1-...

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc[ft]	Dir	LC	phi*...	phi*...	phi*...	phi*...	Cb	Eqn
26	CR3	C3.38x...	.160	0	8	.074	2.209	z	15	63.34	78.75	3.059	7.989	1.6..	H1-...
27	CR2	C3.38x...	.169	0	35	.072	2.209	z	24	63.34	78.75	3.059	7.989	1.5..	H1-...
28	CR5	C3.38x...	.160	0	20	.072	2.209	z	27	63.34	78.75	3.059	7.989	1.6..	H1-...
29	CR4	C3.38x...	.163	0	11	.069	2.209	z	36	63.34	78.75	3.059	7.989	1.5..	H1-...
30	CR6	C3.38x...	.165	0	23	.069	2.209	z	12	63.34	78.75	3.059	7.989	1.5..	H1-...
31	SO2	HSS4X...	.194	3.333	16	.060	3.333	y	4	188....	197....	22.0..	22.0..	1.8..	H1-...
32	SO1	HSS4X...	.192	3.333	3	.056	3.333	y	3	188....	197....	22.0..	22.0..	1.9..	H1-...
33	SO3	HSS4X...	.181	3.333	27	.051	3.333	y	27	188....	197....	22.0..	22.0..	1.9..	H1-...
34	FACE1	Pipe3.5...	.068	2.75	14	.043	7.667		24	45.8..	71.5..	6.338	6.338	1.6..	H1-...
35	FACE2	Pipe3.5...	.069	2.75	26	.039	7.667		3	45.8..	71.5..	6.338	6.338	1.5..	H1-...
36	FACE3	Pipe3.5...	.071	2.75	2	.038	7.667		15	45.8..	71.5..	6.338	6.338	1.5..	H1-...
37	MP GAM...	PIPE_2...	.103	2.167	35	.035	2.167		35	33.4..	66.6..	4.727	4.727	3.01	H1-...
38	MP ALPH...	PIPE_2...	.101	2.167	11	.034	2.167		11	33.4..	66.6..	4.727	4.727	4.3..	H1-...
39	MP BETA2	PIPE_2...	.100	2.167	23	.034	2.167		23	33.4..	66.6..	4.727	4.727	4.1..	H1-...
40	MP GAM...	PIPE_2...	.089	5.833	20	.032	2.167		20	33.4..	66.6..	4.727	4.727	2.7..	H1-...
41	MP ALPH...	PIPE_2...	.085	5.833	32	.031	2.167		32	33.4..	66.6..	4.727	4.727	3.8..	H1-...
42	MP BETA3	PIPE_2...	.083	5.833	8	.030	2.167		8	33.4..	66.6..	4.727	4.727	3.59	H1-...
43	MP ALPH...	PIPE_2...	.084	2.167	26	.028	2.167		5	33.4..	66.6..	4.727	4.727	3.0..	H1-...
44	MP GAM...	PIPE_2...	.079	2.167	35	.026	2.167		26	33.4..	66.6..	4.727	4.727	2.1..	H1-...
45	MP BETA1	PIPE_2...	.080	2.167	2	.025	2.167		14	33.4..	66.6..	4.727	4.727	2.8..	H1-...
46	ANGLE2	L2x2x4	.088	0	8	.015	0	y	15	29.5..	42.48	.96	2.19	2.19	H2-1
47	ANGLE4	L2x2x4	.087	0	32	.014	0	y	3	29.5..	42.48	.96	2.19	2.3..	H2-1
48	ANGLE6	L2x2x4	.087	0	20	.013	0	y	27	29.5..	42.48	.96	2.19	2.2..	H2-1
49	ANGLE1	L2x2x4	.126	0	17	.013	0	z	24	29.5..	42.48	.96	2.19	2.3..	H2-1
50	ANGLE5	L2x2x4	.120	0	5	.013	0	z	15	29.5..	42.48	.96	2.19	2.3..	H2-1
51	RPL1	L6.6x4....	.149	3.5	20	.013	3.5	z	2	51.1..	87.5..	2.465	7.125	2.1..	H2-1
52	ANGLE3	L2x2x4	.122	0	29	.012	0	z	36	29.5..	42.48	.96	2.19	2.3..	H2-1
53	RPL2	L6.6x4....	.136	3.5	32	.012	3.5	z	14	51.1..	87.5..	2.465	7.125	2.1..	H2-1
54	RPL3	L6.6x4....	.131	3.5	8	.012	3.5	z	26	51.1..	87.5..	2.465	7.125	2.1..	H2-1

APPENDIX D

Additional Calculations

POD
POWER OF DESIGN

POD Job #	**21-108459**
Site Number	**842879**
Site Name	**WOODBRIDGE COUNTRY CLUB**

Calculations Based on *TIA-222-H*

Reactions from RISA-3D

Moment	3.998	ft-kip
Axial	0.482	kips
Shear	1.595	kips

Capacities

Bolts	*3.1%*
Flange Plate	*26.9%*

Bolt Information

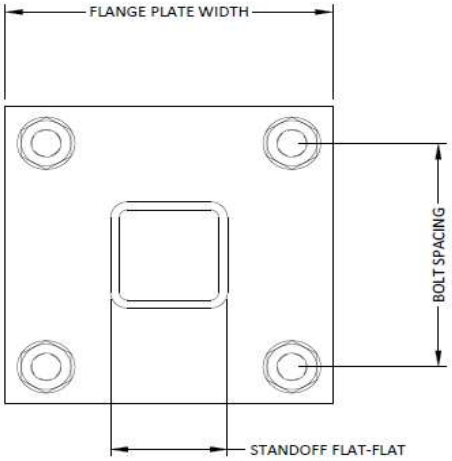
Grade	A325	
Threads in Shear Plane	Included	
Diameter	0.625	in.
Bolt Spacing	7	in.
Number of Rods	4	

Flange Plate Inforation

Width	9	in.
Thickness	0.625	in.
Grade	A572-50	

Standoff Information

Standoff Member	HSS	
Flat-Flat	4	in.
Thickness	0.375	in.



Bolt Calculations

ϕ	0.75	
A_{nt}	0.226	in^2
A_b	0.307	in^2
Fu	120	ksi
ϕR_{nV}	13.81	kips
ϕR_{nt}	20.34	kips
V	0.40	kips
F	3.54	kips
Capacity	3.1%	

Flange Plate Calculations

ϕ	0.9	
Fy	50	ksi
t_{min}	0.20	in
Z	0.9	in^3
ϕM_n	39.6	in-kip
M_u	10.6	in-kip
Capacity	26.9%	

Ver 1.0 - 3/5/2019

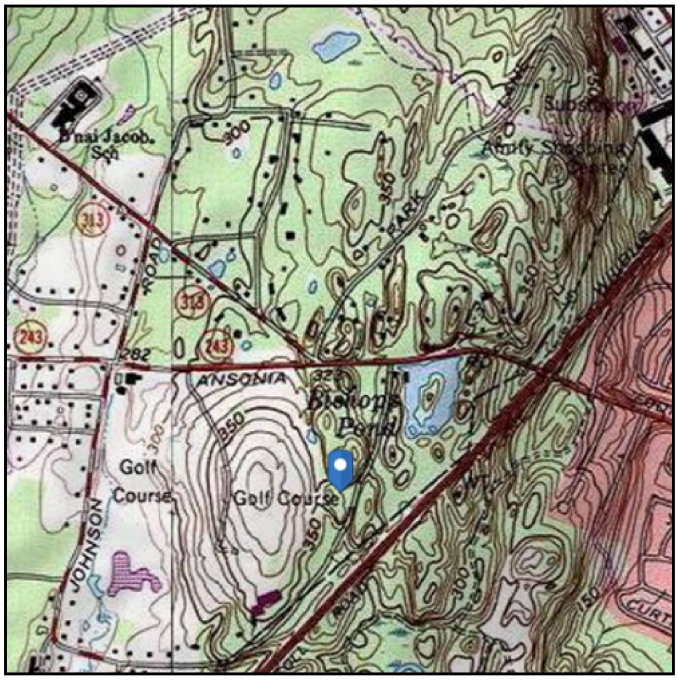
APPENDIX E

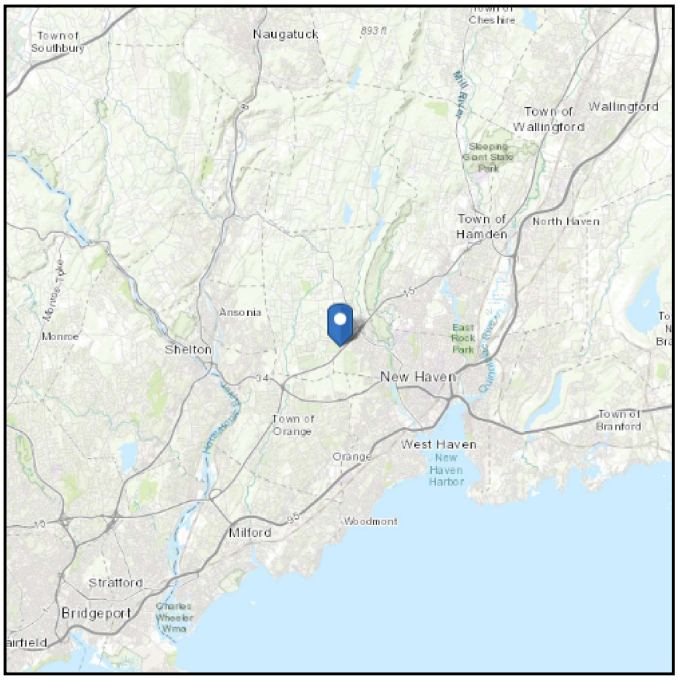
Design Criteria

ASCE 7 Hazards Report

Address:
No Address at This Location

Standard:	ASCE/SEI 7-10	**Elevation:**	360.98 ft (NAVD 88)
Risk Category:	II	**Latitude:**	41.327639
Soil Class:	D - Stiff Soil	**Longitude:**	-72.993567





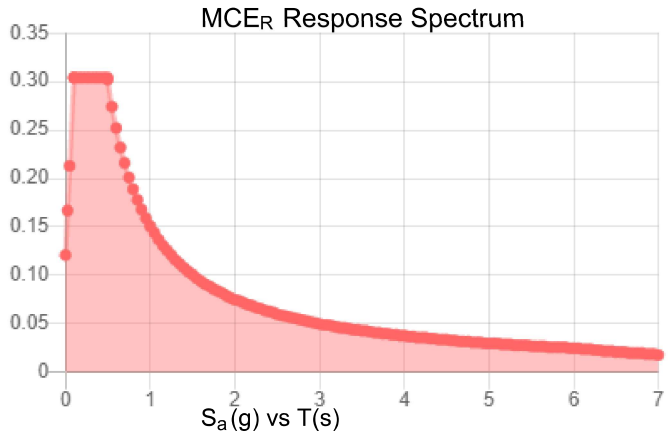
Seismic

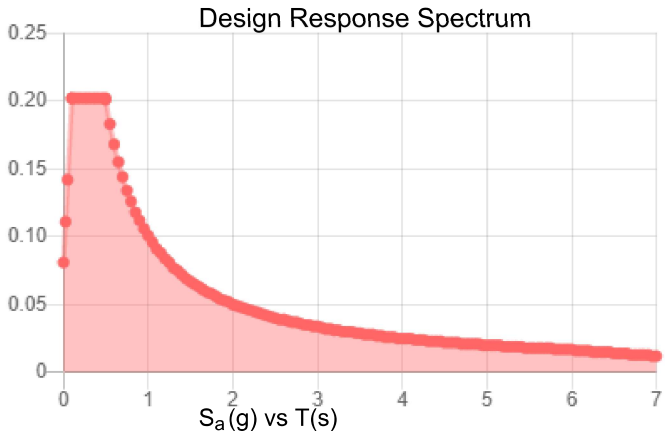
Site Soil Class: D - Stiff Soil

Results:

S_S :	0.19	S_{DS} :	0.202
S_1 :	0.063	S_{D1} :	0.101
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.1
S_{MS} :	0.304	PGA_M :	0.159
S_{M1} :	0.151	F_{PGA} :	1.6
		I_e :	1

Seismic Design Category B





Data Accessed: Fri Sep 10 2021

Date Source: USGS Seismic Design Maps based on ASCE/SEI 7-10, incorporating Supplement 1 and errata of March 31, 2013, and ASCE/SEI 7-10 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-10 Ch. 21 are available from USGS.

The ASCE 7 Hazard Tool is provided for your convenience, for informational purposes only, and is provided “as is” and without warranties of any kind. The location data included herein has been obtained from information developed, produced, and maintained by third party providers; or has been extrapolated from maps incorporated in the ASCE 7 standard. While ASCE has made every effort to use data obtained from reliable sources or methodologies, ASCE does not make any representations or warranties as to the accuracy, completeness, reliability, currency, or quality of any data provided herein. Any third-party links provided by this Tool should not be construed as an endorsement, affiliation, relationship, or sponsorship of such third-party content by or from ASCE.

ASCE does not intend, nor should anyone interpret, the results provided by this Tool to replace the sound judgment of a competent professional, having knowledge and experience in the appropriate field(s) of practice, nor to substitute for the standard of care required of such professionals in interpreting and applying the contents of this Tool or the ASCE 7 standard.

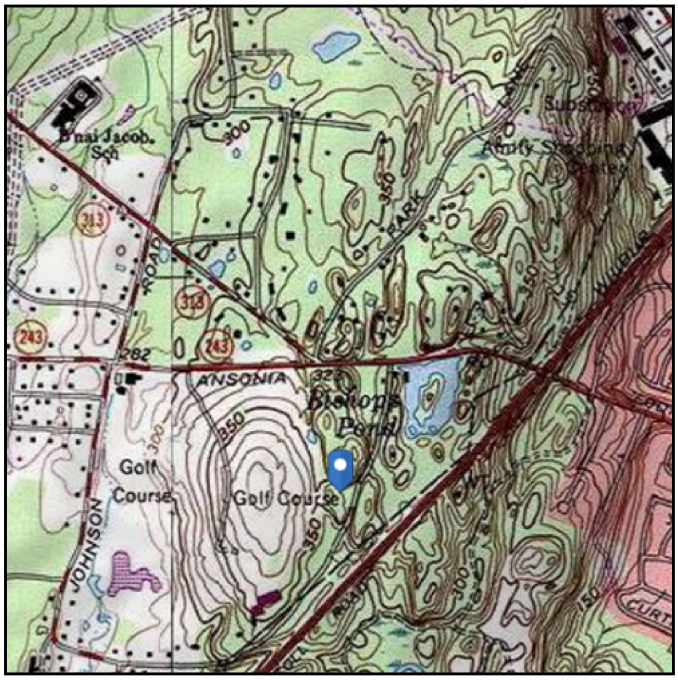
In using this Tool, you expressly assume all risks associated with your use. Under no circumstances shall ASCE or its officers, directors, employees, members, affiliates, or agents be liable to you or any other person for any direct, indirect, special, incidental, or consequential damages arising from or related to your use of, or reliance on, the Tool or any information obtained therein. To the fullest extent permitted by law, you agree to release and hold harmless ASCE from any and all liability of any nature arising out of or resulting from any use of data provided by the ASCE 7 Hazard Tool.

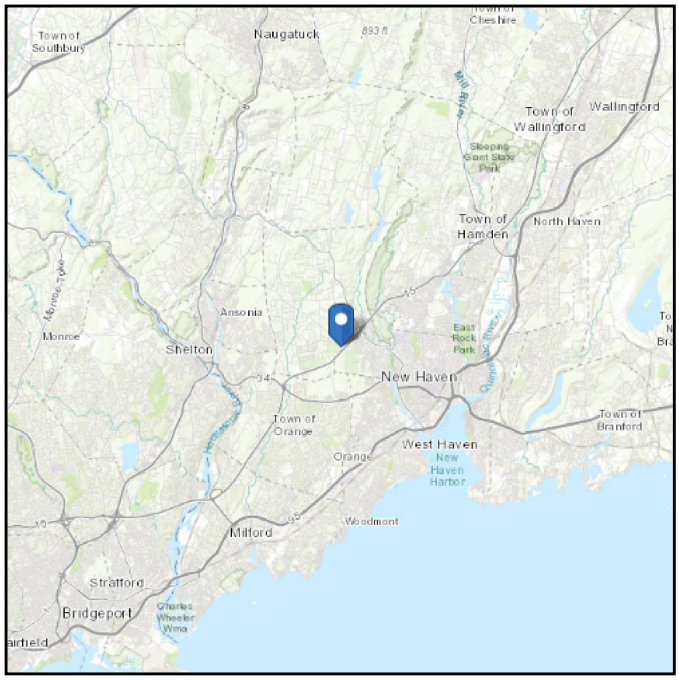
ASCE 7 Hazards Report

Address:
No Address at This Location

Standard: ASCE/SEI 7-16
Risk Category: II
Soil Class: D - Stiff Soil

Elevation: 360.98 ft (NAVD 88)
Latitude: 41.327639
Longitude: -72.993567





Wind

Results:

Wind Speed:	119 Vmph
10-year MRI	75 Vmph
25-year MRI	85 Vmph
50-year MRI	90 Vmph
100-year MRI	98 Vmph

Data Source:	ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed:	Fri Sep 10 2021

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-16 Standard. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 700 years).

Site is in a hurricane-prone region as defined in ASCE/SEI 7-16 Section 26.2. Glazed openings need not be protected against wind-borne debris.

Ice

Results:

Ice Thickness:	1.00 in.
Concurrent Temperature:	15 F
Gust Speed:	50 mph
Data Source:	Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8
Date Accessed:	Fri Sep 10 2021

Ice thicknesses on structures in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

Values provided are equivalent radial ice thicknesses due to freezing rain with concurrent 3-second gust speeds, for a 500-year mean recurrence interval, and temperatures concurrent with ice thicknesses due to freezing rain. Thicknesses for ice accretions caused by other sources shall be obtained from local meteorological studies. Ice thicknesses in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

APPENDIX F

Mount Specification Sheets

NOTES:

1.0 GENERAL
- 1.1 ALL METRIC DIMENSIONS ARE IN BRACKETS
- 1.2 FOR PATENTS, SEE WWW.CS-PAT.COM

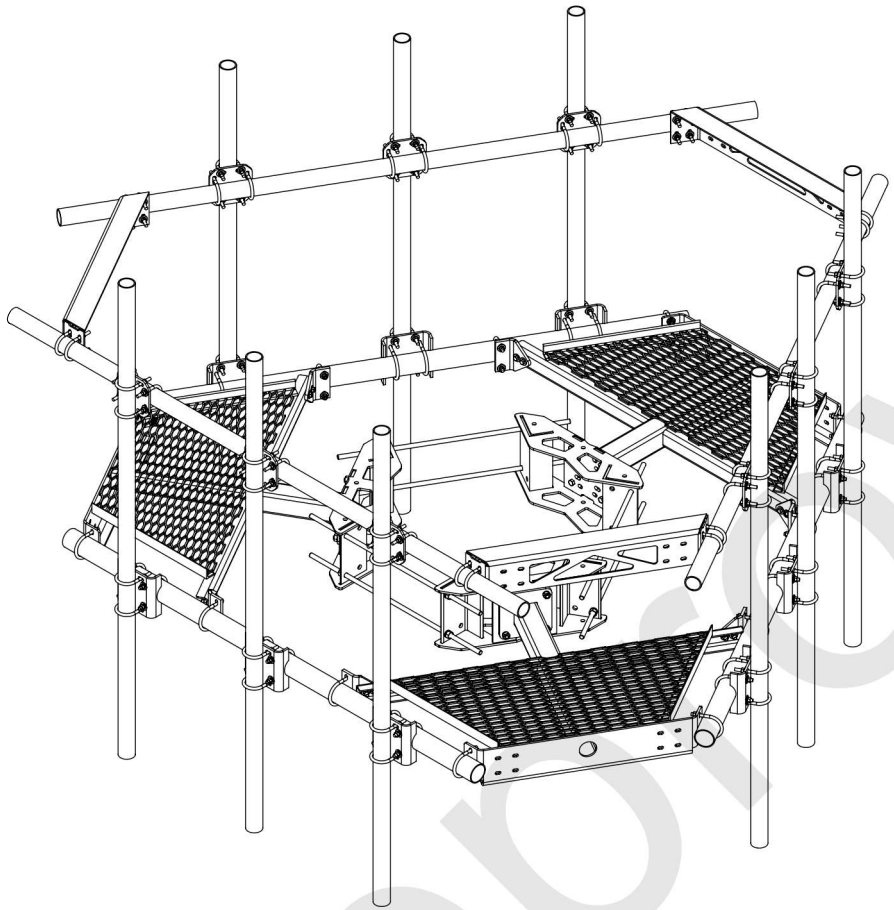
2.0 DESIGN NOTES
- 2.1 TORQUE U-BOLTS TO 44 FT-LBS

3.0 MANUFACTURING/SPECIAL REQUIREMENTS

4.0 TEST

5.0 PACKAGING

REVISIONS				
REV.	ECN	DESCRIPTION	BY	DATE
A	10272PC	INITIAL RELEASE	HDAI	03/08/2021



PATENT PENDING

COMMSCOPE, INC. OF NORTH CAROLINA

TOLERANCES			
1 PLACE .X ±	.25	3 PLACE .XXX ±	0.06
2 PLACE .XX ±	0.12	ANGLES ±	2°

SAP MATERIAL MASTER: MC-PK8-DSH

FINISH: GALV A123

MATERIAL: A500, A1011/A1018

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES INTERPRET PER ANSI Y 14.5M-1994

	NAME	DATE
CE	MRC	02/17/20
RW	ROGHANSON	03/16/2021
AD	BCROSS	03/17/2021
RE	FA1024	02/27/2020
ECN	10272PC	

TITLE: **LOW PROFILE PLATFORM FACE**

SCALE: 1:32

DOCUMENT NO.: MC-PK8-DSH

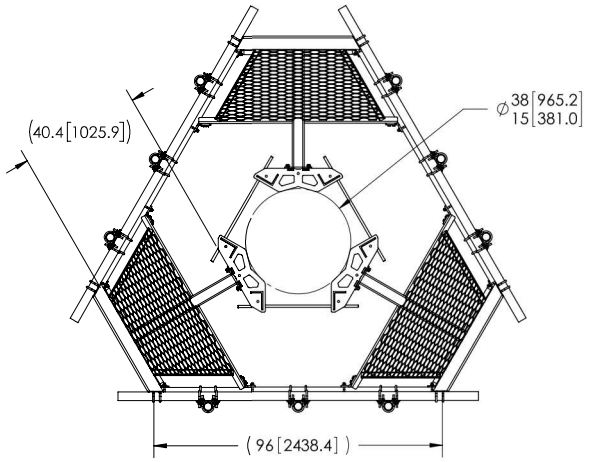
DENSITY	lbs/in³
MASS	lbs
VOLUME	in³
SURFACE AREA	in²
HEIGHT	96"
LENGTH	46"
WIDTH	29'

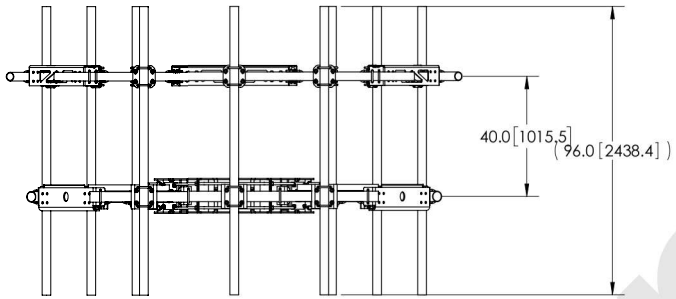
SIZE: C

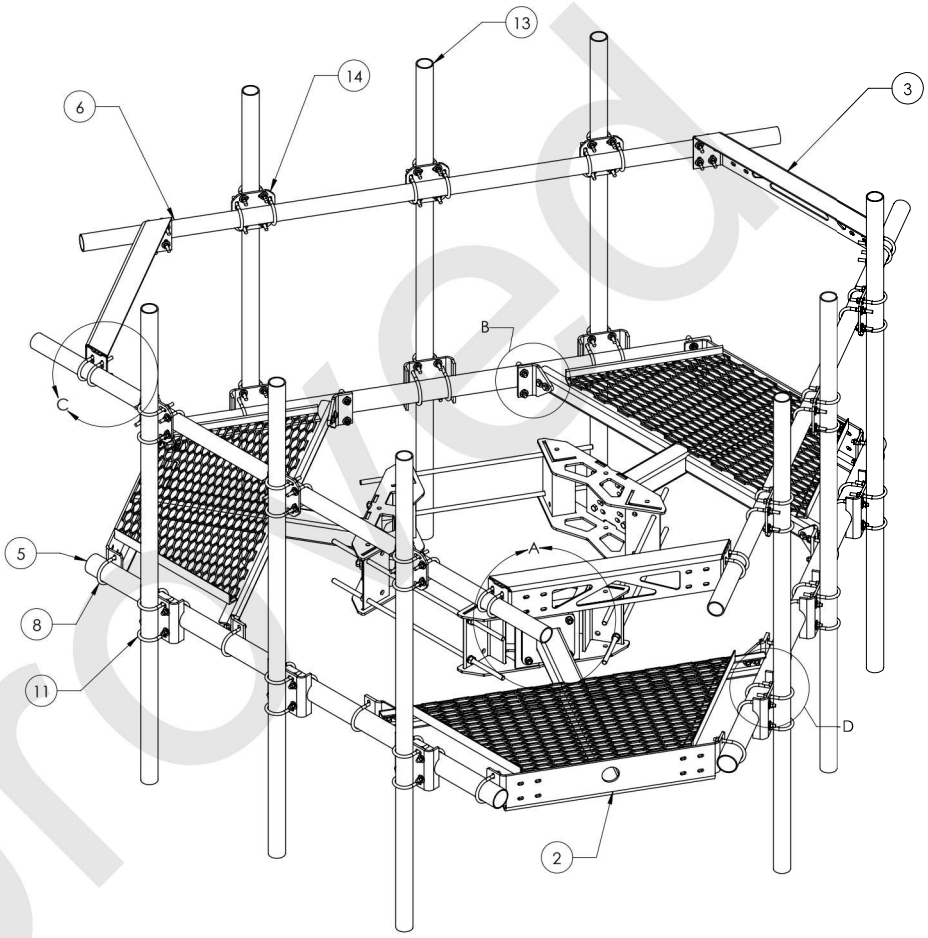
Auth Group: INSL

MODEL			DRAWING			SHEET
VERSION	STATUS	REVISION	VERSION	STATUS	REVISION	
01	AD		00	AD	A	1 OF 3

NOTES:







ITEM	PART NO.	DESCRIPTION	QTY.
1	MC-RM1550-3	12" - 50" OD RINGMOUNT	1
2	MTC300602	SECTOR WELDMENT FOR SNUB NOSE PLATFORM	3
3	MT195801	Corner Weldment Snub Nose Handrail	3
4	GB-0520A	5/8" X 2" GALV BOLT KIT (A325)	12
5	MT54796	3.50" OD X 96" GALV PIPE	3
6	MT546120	2.875" O.D. X 120" PIPE	3
7	GWF-04	1/2" GALV FLAT WASHER	12
8	GUB-4355	1/2" X 3-5/8" X 5" GALV U-BOLT	12
9	MTC300618	MOUNTING PLATE FOR MT-196	6
10	GB-04205	1/2" X 2" GALV BOLT KIT	12
11	MT-219M-H	3.5" OD X 2-7/8" OD Clamp Bracket Assembly	9
12	GUB-4352	1/2" X 3" X 5-1/4" GALV U-BOLT	12
13	MT54696	Ø2.875" O.D. X 96 PIPE	9
14	XP-2525	CROSSOVER PLATE KIT, 2-7/8 OD X 2-7/8 OD	9

COMMSCOPE, INC. OF NORTH CAROLINA

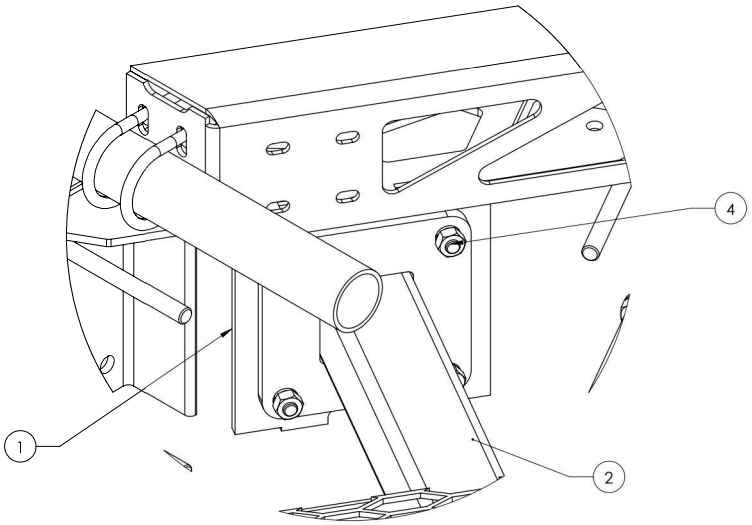
TITLE

LOW PROFILE PLATFORM FACE

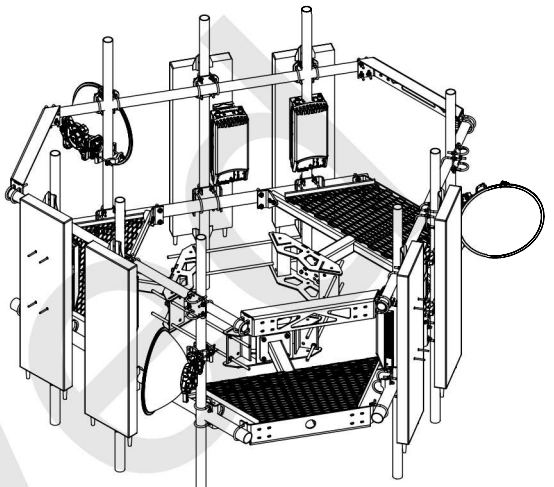
SIZE	SCALE	DOCUMENT NO.
C	1:32	MC-PK8-DSH

DRAWING			SHEET
VERSION	STATUS	REVISION	
00	AD	A	

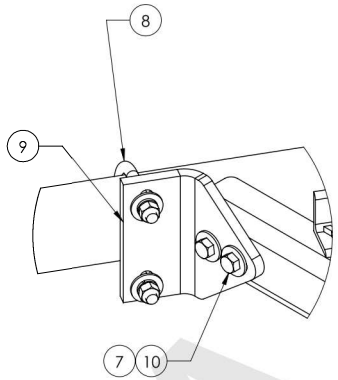
NOTES:



DETAIL A
SCALE 1 : 4



WITH ANTENNAS



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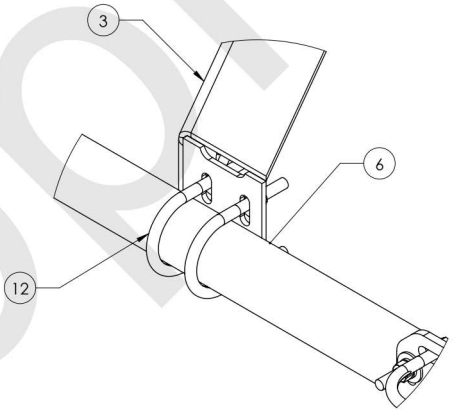
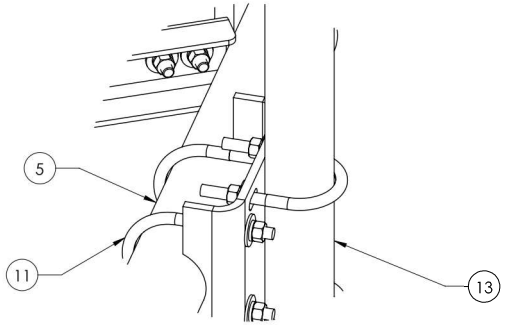


DETAIL C
SCALE 1 : 4



DETAIL D
SCALE 1 : 4

COMMSCOPE, INC. OF NORTH CAROLINA			
TITLE: LOW PROFILE PLATFORM FACE			
SIZE: C	SCALE: 1:24	DOCUMENT NO.: MC-PK8-DSH	
		DRAWING: VERSION 00 / STATUS AD / REVISION A	SHEET: 3 OF 3

Exhibit F

Power Density/RF Emissions Report

EBI Consulting

environmental | engineering | due diligence

RADIO FREQUENCY EMISSIONS ANALYSIS REPORT
EVALUATION OF HUMAN EXPOSURE POTENTIAL TO NON-IONIZING EMISSIONS

Dish Wireless Existing Facility

Site ID: BOHVN00158A

842879
50 Woodfield Road
Woodbridge, Connecticut 06525

November 18, 2021

EBI Project Number: 6221007194

Site Compliance Summary	
Compliance Status:	**COMPLIANT**
Site total MPE% of FCC general population allowable limit:	**22.73%**

21 B Street, Burlington, MA 01803 · Tel: (781) 273.2500 · Fax: (781) 273.3311

November 18, 2021

Dish Wireless

Emissions Analysis for Site: BOHVN00158A - 842879

EBI Consulting was directed to analyze the proposed Dish Wireless facility located at **50 Woodfield Road** in **Woodbridge, Connecticut** for the purpose of determining whether the emissions from the Proposed Dish Wireless Antenna Installation located on this property are within specified federal limits.

All information used in this report was analyzed as a percentage of current Maximum Permissible Exposure (% MPE) as listed in the FCC OET Bulletin 65 Edition 97-01and ANSI/IEEE Std C95.1. The FCC regulates Maximum Permissible Exposure in units of microwatts per square centimeter ($\mu W/cm^2$). The number of $\mu W/cm^2$ calculated at each sample point is called the power density. The exposure limit for power density varies depending upon the frequencies being utilized. Wireless Carriers and Paging Services use different frequency bands each with different exposure limits; therefore, it is necessary to report results and limits in terms of percent MPE rather than power density.

All results were compared to the FCC (Federal Communications Commission) radio frequency exposure rules, 47 CFR 1.1307(b)(1) – (b)(3), to determine compliance with the Maximum Permissible Exposure (MPE) limits for General Population/Uncontrolled environments as defined below.

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

Public exposure to radio frequencies is regulated and enforced in units of microwatts per square centimeter ($\mu W/cm^2$). The general population exposure limits for the 600 MHz and 700 MHz frequency bands are approximately 400 $\mu W/cm^2$ and 467 $\mu W/cm^2$, respectively. The general population exposure limit for the 1900 MHz (PCS), 2100 MHz (AWS) and 11 GHz frequency bands is 1000 $\mu W/cm^2$. Because each carrier will be using different frequency bands, and each frequency band has different exposure limits, it is necessary to report percent of MPE rather than power density.

Occupational/controlled exposure limits apply to situations in which persons are exposed as a consequence of their employment and in which those persons who are exposed have been made fully aware of the potential for exposure and can exercise control over their exposure.

Occupational/controlled exposure limits also apply where exposure is of a transient nature as a result of incidental passage through a location where exposure levels may be above general population/uncontrolled limits (see below), as long as the exposed person has been made fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

Additional details can be found in FCC OET 65.

CALCULATIONS

Calculations were done for the proposed Dish Wireless Wireless antenna facility located at 50 Woodfield Road in Woodbridge, Connecticut using the equipment information listed below. All calculations were performed per the specifications under FCC OET 65. Since Dish Wireless is proposing highly focused directional panel antennas, which project most of the emitted energy out toward the horizon, all calculations were performed assuming a lobe representing the maximum gain of the antenna per the antenna manufacturer's supplied specifications, minus 20 dB for directional panel antennas and 20 dB for highly focused parabolic microwave dishes, was focused at the base of the tower. For this report, the sample point is the top of a 6-foot person standing at the base of the tower.

For all calculations, all equipment was calculated using the following assumptions:

1) 4 n71 channels (600 MHz Band) were considered for each sector of the proposed installation. These Channels have a transmit power of 30 Watts per Channel.

2) 4 n70 channels (PCS Band - 1900 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 40 Watts per Channel.

3) 4 n66 channels (AWS Band - 2190 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 40 Watts per Channel.

4) All radios at the proposed installation were considered to be running at full power and were uncombined in their RF transmissions paths per carrier prescribed configuration. Per FCC OET Bulletin No. 65 - Edition 97-01 recommendations to achieve the maximum anticipated value at each sample point, all power levels emitting from the proposed antenna installation are increased by a factor of 2.56 to account for possible in-phase reflections from the surrounding environment. This is rarely the case, and if so, is never continuous.

5) For the following calculations, the sample point was the top of a 6-foot person standing at the base of the tower. The maximum gain of the antenna per the antenna manufacturer's supplied specifications, minus 20 dB for directional panel antennas and 20 dB for highly focused parabolic microwave dishes, was used in this direction. This value is a very conservative

estimate as gain reductions for these particular antennas are typically much higher in this direction.

6) The antennas used in this modeling are the JMA MX08FRO665-20 for the 600 MHz / 1900 MHz / 2190 MHz channel(s) in Sector A, the JMA MX08FRO665-20 for the 600 MHz / 1900 MHz / 2190 MHz channel(s) in Sector B, the JMA MX08FRO665-20 for the 600 MHz / 1900 MHz / 2190 MHz channel(s) in Sector C. This is based on feedback from the carrier with regard to anticipated antenna selection. All Antenna gain values and associated transmit power levels are shown in the Site Inventory and Power Data table below. The maximum gain of the antenna per the antenna manufacturer's supplied specifications, minus 20 dB for directional panel antennas and 20 dB for highly focused parabolic microwave dishes, was used for all calculations. This value is a very conservative estimate as gain reductions for these particular antennas are typically much higher in this direction.

7) The antenna mounting height centerline of the proposed antennas is 67 feet above ground level (AGL).

8) Emissions values for additional carriers were taken from the Connecticut Siting Council active database. Values in this database are provided by the individual carriers themselves.

9) All calculations were done with respect to uncontrolled / general population threshold limits.

Dish Wireless Site Inventory and Power Data

Sector:	A	Sector:	B	Sector:	C
Antenna #:	1	Antenna #:	1	Antenna #:	1
Make / Model:	JMA MX08FRO665-20	Make / Model:	JMA MX08FRO665-20	Make / Model:	JMA MX08FRO665-20
Frequency Bands:	600 MHz / 1900 MHz / 2190 MHz	Frequency Bands:	600 MHz / 1900 MHz / 2190 MHz	Frequency Bands:	600 MHz / 1900 MHz / 2190 MHz
Gain:	17.45 dBd / 22.65 dBd / 22.65 dBd	Gain:	17.45 dBd / 22.65 dBd / 22.65 dBd	Gain:	17.45 dBd / 22.65 dBd / 22.65 dBd
Height (AGL):	67 feet	Height (AGL):	67 feet	Height (AGL):	67 feet
Channel Count:	12	Channel Count:	12	Channel Count:	12
Total TX Power (W):	440 Watts	Total TX Power (W):	440 Watts	Total TX Power (W):	440 Watts
ERP (W):	5,236.31	ERP (W):	5,236.31	ERP (W):	5,236.31
Antenna A1 MPE %:	**6.36%**	Antenna B1 MPE %:	**6.36%**	Antenna C1 MPE %:	**6.36%**

Site Composite MPE %	
Carrier	**MPE %**
Dish Wireless (Max at Sector A):	6.36%
AT&T	10.91%
Clearwire	0.34%
Verizon	5.12%
Site Total MPE % :	22.73%

Dish Wireless MPE % Per Sector	
Dish Wireless Sector A Total:	6.36%
Dish Wireless Sector B Total:	6.36%
Dish Wireless Sector C Total:	6.36%
Site Total MPE % :	22.73%

Dish Wireless Maximum MPE Power Values (Sector A)

Dish Wireless Frequency Band / Technology (Sector A)	# Channels	Watts ERP (Per Channel)	Height (feet)	Total Power Density (μW/cm²)	Frequency (MHz)	Allowable MPE (μW/cm²)	Calculated % MPE
Dish Wireless 600 MHz n71	4	223.68	67.0	8.64	600 MHz n71	400	2.16%
Dish Wireless 1900 MHz n70	4	542.70	67.0	20.97	1900 MHz n70	1000	2.10%
Dish Wireless 2190 MHz n66	4	542.70	67.0	20.97	2190 MHz n66	1000	2.10%
						Total:	**6.36%**

• NOTE: Totals may vary by approximately 0.01% due to summation of remainders in calculations.

Summary

All calculations performed for this analysis yielded results that were **within** the allowable limits for general population exposure to RF Emissions.

The anticipated maximum composite contributions from the Dish Wireless facility as well as the site composite emissions value with regards to compliance with FCC's allowable limits for general population exposure to RF Emissions are shown here:

Dish Wireless Sector	Power Density Value (%)
Sector A:	6.36%
Sector B:	6.36%
Sector C:	6.36%
Dish Wireless Maximum MPE % (Sector A):	6.36%
Site Total:	22.73%
Site Compliance Status:	**COMPLIANT**

The anticipated composite MPE value for this site assuming all carriers present is **22.73%** of the allowable FCC established general population limit sampled at the ground level. This is based upon values listed in the Connecticut Siting Council database for existing carrier emissions.

FCC guidelines state that if a site is found to be out of compliance (over allowable thresholds), that carriers over a 5% contribution to the composite value will require measures to bring the site into compliance. For this facility, the composite values calculated were well within the allowable 100% threshold standard per the federal government.

Exhibit G

Letter of Authorization

4545 E River Rd, Suite 320
West Henrietta, NY 14586

Phone: (585) 445-5896
Fax: (724) 416-4461
www.crowncastle.com

Crown Castle Letter of Authorization

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

Re: Tower Share Application
Crown Castle telecommunications site at:
50 WOODFIELD ROAD, WOODBRIDGE, CT 06525

CCATT LLC ("Crown Castle") hereby authorizes DISH Wireless LLC, including their Agent, to act as our Agent in the processing of all zoning applications, building permits and approvals through the CT - CONNECTICUT SITING COUNCIL for the existing wireless communications site described below:

Crown Site ID/Name:	**842879/WOODBRIDGE COUNTRY CLUB**
Customer Site ID:	**BOHVN00158A/CT-CCI-T-842879**
Site Address:	**50 WOODFIELD ROAD, WOODBRIDGE, CT 06525**

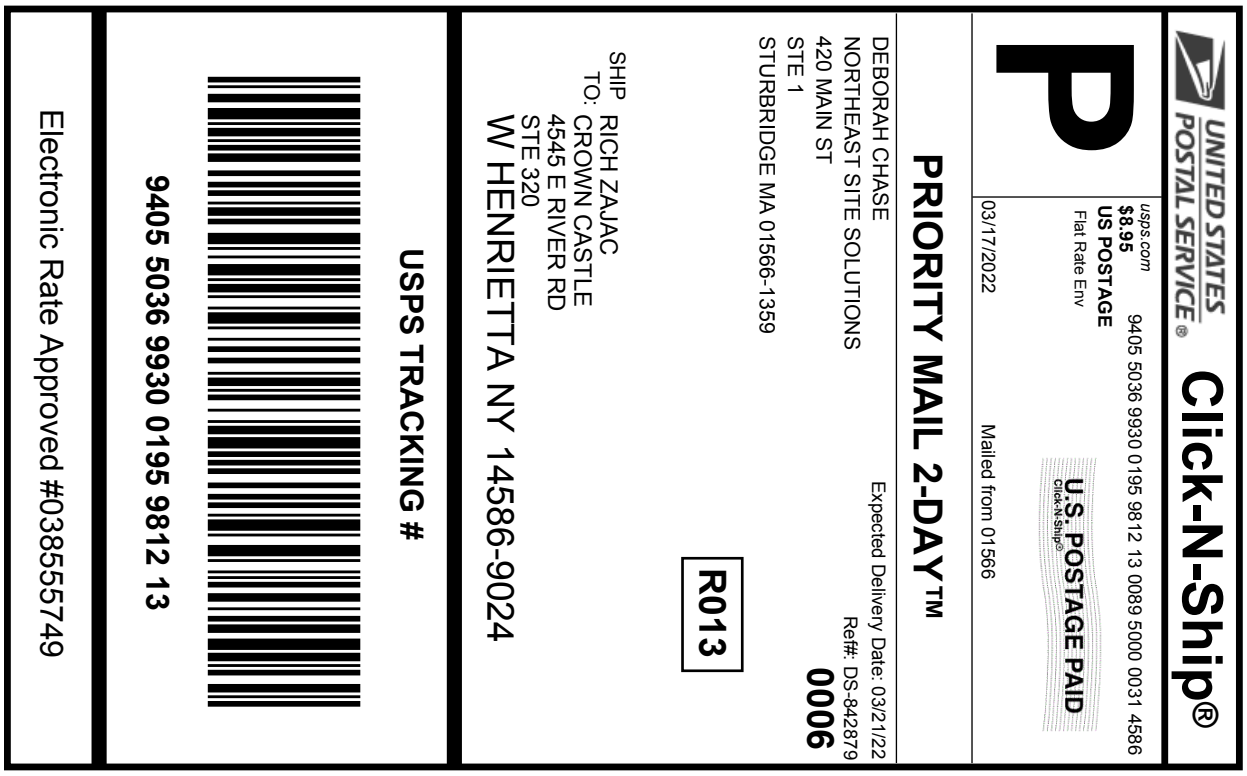
Crown Castle

By: _____ Date: 3/14/2022

Richard Zajac
Site Acquisition Specialist

Exhibit H

Recipient Mailings



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9405 5036 9930 0195 9812 13

Trans. #:	559086266
Print Date:	03/17/2022
Ship Date:	03/17/2022
Expected Delivery Date:	03/21/2022

Priority Mail® Postage:	**$8.95**
Total:	**$8.95**

From: DEBORAH CHASE
NORTHEAST SITE SOLUTIONS
420 MAIN ST
STE 1
STURBRIDGE MA 01566-1359

Ref#: DS-842879

To: RICH ZAJAC
CROWN CASTLE
4545 E RIVER RD
STE 320
W HENRIETTA NY 14586-9024

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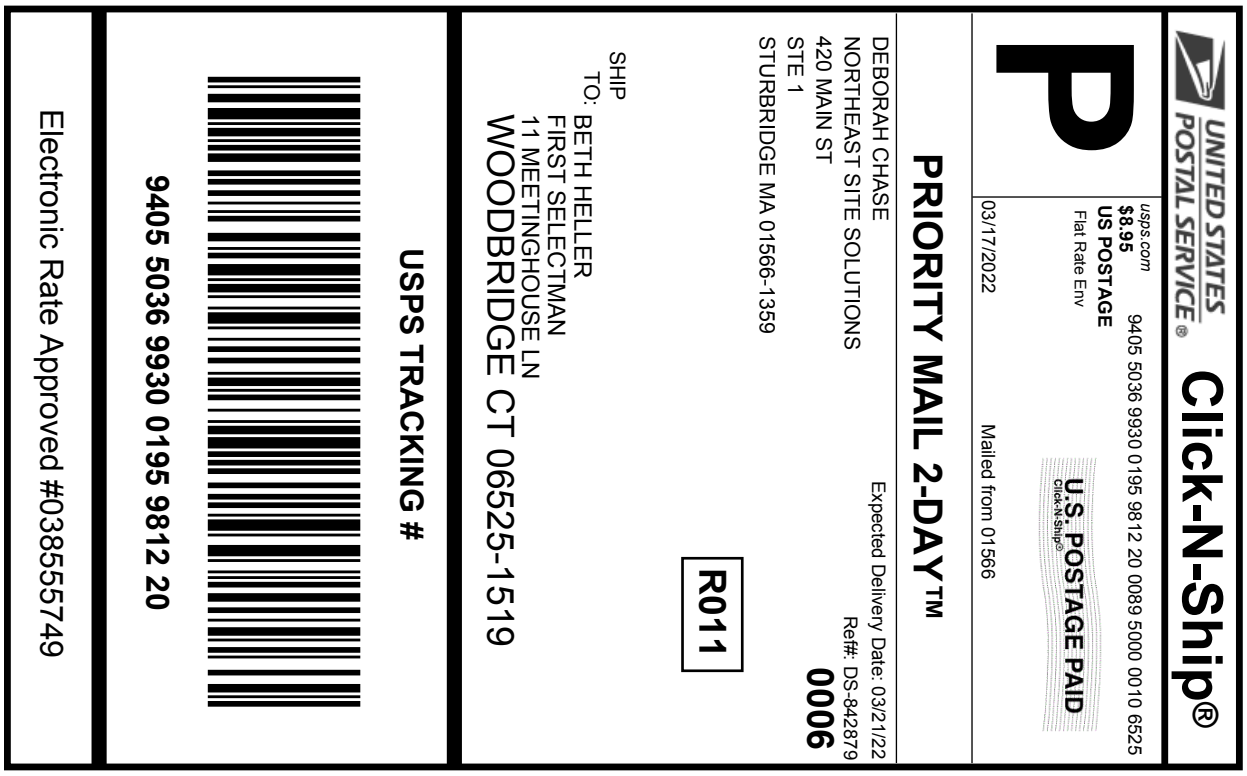

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Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0195 9812 20

Trans. #:	559086266
Print Date:	03/17/2022
Ship Date:	03/17/2022
Expected Delivery Date:	03/21/2022

Priority Mail® Postage:	**$8.95**
Total:	**$8.95**

From: DEBORAH CHASE
NORTHEAST SITE SOLUTIONS
420 MAIN ST
STE 1
STURBRIDGE MA 01566-1359

Ref#: DS-842879

To: BETH HELLER
FIRST SELECTMAN
11 MEETINGHOUSE LN
WOODBRIDGE CT 06525-1519

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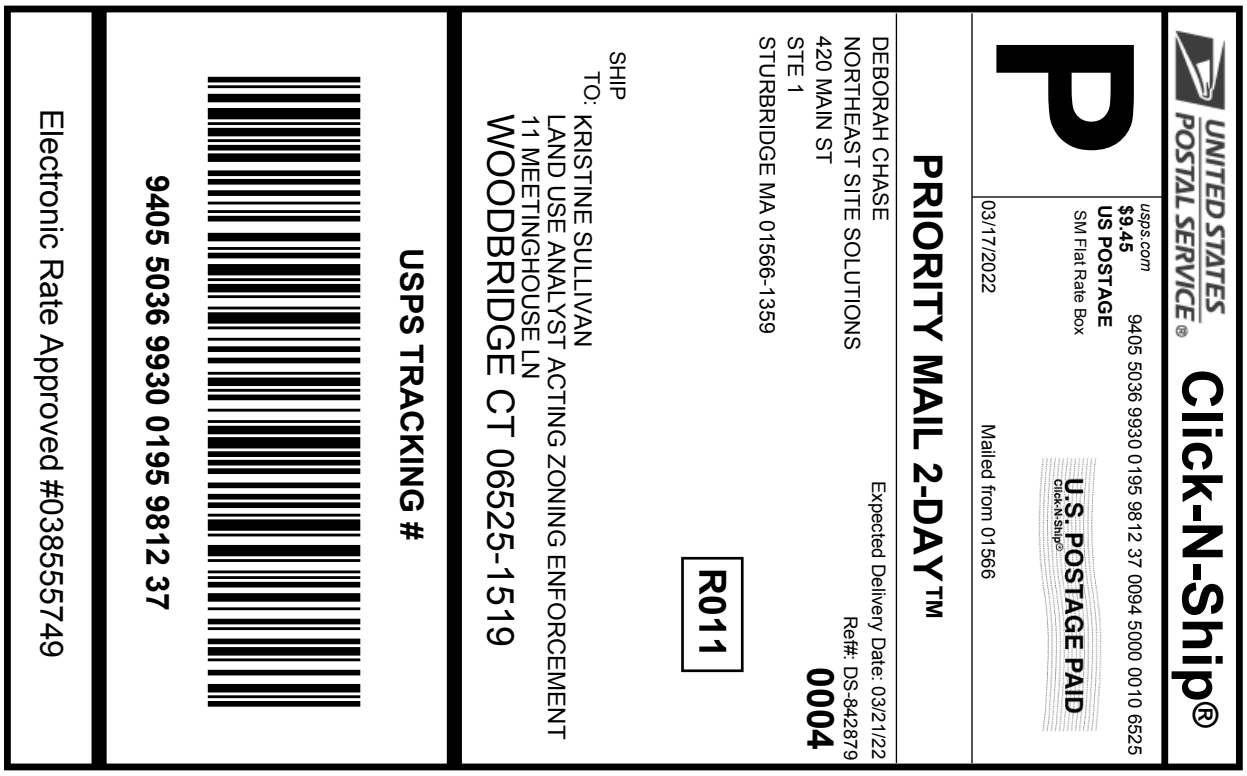

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2. **Place your label so it does not wrap around the edge of the package.**
3. **Adhere your label to the package. A self-adhesive label is recommended. If tape or glue is used, DO NOT TAPE OVER BARCODE. Be sure all edges are secure.**
4. **To mail your package with PC Postage®, you may schedule a Package Pickup online, hand to your letter carrier, take to a Post Office™, or drop in a USPS collection box.**
5. **Mail your package on the "Ship Date" you selected when creating this label.**

Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0195 9812 37

Trans. #:	559086266
Print Date:	03/17/2022
Ship Date:	03/17/2022
Expected Delivery Date:	03/21/2022

Priority Mail® Postage:	**$9.45**
Total:	**$9.45**

From: DEBORAH CHASE
NORTHEAST SITE SOLUTIONS
420 MAIN ST
STE 1
STURBRIDGE MA 01566-1359

Ref#: DS-842879

To: KRISTINE SULLIVAN
LAND USE ANALYST ACTING ZONING ENFORCEMENT OFFICER
11 MEETINGHOUSE LN
WOODBRIDGE CT 06525-1519

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210 MAIN ST
FARMINGTON, CT 06032-9998
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Product	Qty	Unit Price	Price
Prepaid Mail West Henrietta, NY 14586 Weight: 0 lb 2.00 oz Acceptance Date: Fri 03/18/2022 Tracking #: 9405 5036 9930 0195 9812 13	1		$0.00
Prepaid Mail Woodbridge, CT 06525 Weight: 0 lb 9.50 oz Acceptance Date: Fri 03/18/2022 Tracking #: 9405 5036 9930 0195 9812 37	1		$0.00
Prepaid Mail Woodbridge, CT 06525 Weight: 0 lb 9.50 oz Acceptance Date: Fri 03/18/2022 Tracking #: 9405 5036 9930 0195 9812 20	1		$0.00
Grand Total:			$0.00

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