



1 INDUSTRIAL AVE,
STATE 3
NEW BRITAIN NJ 07430
PHONE: 201.684.0055
FAX: 201.684.0066

May 20th, 2022

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

RE: Notice of Exempt Modification
232 Shore Road, Old Lyme, CT 06371
Latitude: 41.291000
Longitude: -72.28586100
T-Mobile Site#: CTNL803A - Anchor

Dear Ms. Bachman:

T-Mobile currently maintains nine (9) antennas at the 99-foot level of the existing 109-foot monopole tower at 232 Shore Road, Old Lyme, CT. The 109-foot monopole tower is owned and operated by American Tower. The property is owned by ATSSLSS LLC. T-Mobile now intends to remove and replace (6) antennas at the 99-foot level of the tower. These antennas will support 5G services.

Planned Modifications:

Tower:

Install New:

- (3) Ericsson AIR 6419 B41 Antennas
- (3) Commscope VV-65A-R1 Antennas
- (3) Radio 4460 B25 B66
- (2) 6x24 Hybrid Cables

To Be Removed:

- (6) Ericsson AIR 21 Antennas
- (1) 9x18 Hybrid Cable
- (12) 1 5/8" Coax Cables

To Remain:

- (3) APXVAARR24 Antennas
- (3) Radio 4449

(3) 6x12 Hybrid Cables

Ground:

Install (1) 6160 Power Enclosure

Install (1) B160 Battery Cabinet

This facility was originally approved by the Siting Council in Docket No. 391 on September 23, 2010. This modification complies with the original approval.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies § 16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to First Selectman Timothy Griswold, Elected Official, and Kim Groves, CZET, as well as the tower and property owner.

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

1. The proposed modifications will not result in an increase in the height of the existing structure.
2. The proposed modifications will not require the extension of the site boundary.
3. The proposed modifications will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.
4. The operation of the replacement antennas will not increase radio frequency emissions at the facility to a level at or above the Federal Communications Commission safety standard.
5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
6. The existing structure and its foundation can support the proposed loading.

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

Sincerely,

Eric Breun

Transcend Wireless

Cell: 201-658-7728

Email: ebreun@transcendwireless.com

Attachments

cc: Timothy Griswold - First Selectman of Old Lyme

Kim Groves - CZET

American Tower - Tower Owner

ATSSLSS LLC - Property Owner - shipping address confirmed with LL

ERIC BREUN
2016587728
1 INTERNATIONAL BLVD.
MAHWAH NJ 07495

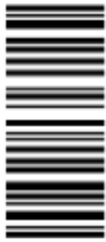
1 LBS

1 OF 1

SHIP TO:
TIMOTHY GRISWOLD
52 LYME STREET
OLD LYME CT 06371

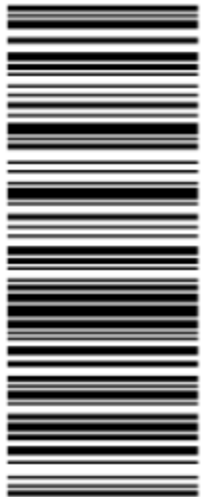


CT 063 5-02



UPS GROUND

TRACKING #: 1Z V25 742 03 9566 8309



BILLING: P/P

Reference #1: CTNL803A

XOL 22.04.20 NV49 21.0A 05/2022*



TM

ERIC BREUN
2016587728
1 INTERNATIONAL BLVD.
MAHWAH NJ 07495

1 LBS

1 OF 1

SHIP TO:
CZET
KIM GROVES
52 LYME STREET
OLD LYME CT 06371

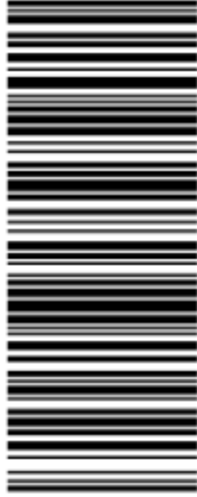


CT 063 5-02



UPS GROUND

TRACKING #: 1Z V25 742 03 9011 4880



BILLING: P/P

Reference #1: CTNL803A

XOL 22.04.20 NV49 21.0A 05/2022*



TM

ERIC BREUN
2016587728
1 INTERNATIONAL BLVD.
MAHWAH NJ 07495

1 LBS

1 OF 1

SHIP TO:
ATSSLSS LLC
232 SHORE ROAD
OLD LYME CT 06371

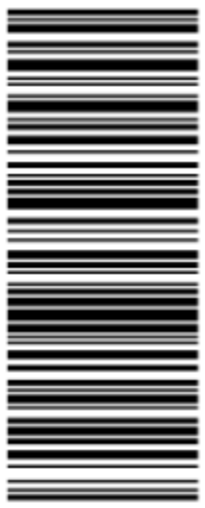


CT 063 5-02



UPS GROUND

TRACKING #: 1Z V25 742 03 9107 2898



BILLING: P/P

Reference #1: CTNL803A

X.O.L 22.04.20 NV45 21.0A 05/2022*



TM

ERIC BREUN
2016587728
1 INTERNATIONAL BLVD.
MAHWAH NJ 07495

1 LBS

1 OF 1

SHIP TO:
AMERICAN TOWER CORPORATION
10 PRESIDENTIAL WAY
WOBURN MA 01801



MA 018 9-04



UPS GROUND

TRACKING #: 1Z V25 742 03 9729 8312



BILLING: P/P

Reference #1: CTNL803A

X.O.L 22.04.20 NV45 21.0A 05/2022*



TM

Hello, your package has been delivered.

Delivery Date: Thursday, 05/19/2022

Delivery Time: 11:20 AM

Left At: FRONT DOOR

TRANSCEND WIRELESS

Tracking Number: [1ZV257420391072898](#)

Ship To: ATSSLSS LLC
232 SHORE ROAD
OLD LYME, CT 06371
US

Number of Packages: 1

UPS Service: UPS Ground

Package Weight: 1.0 LBS

Reference Number: CTNL803A

Hello, your package has been delivered.

Delivery Date: Thursday, 05/19/2022

Delivery Time: 11:38 AM

Signed by: URBOWICZ

TRANSCEND WIRELESS

Tracking Number: [1ZV257420395668309](#)

Ship To: TIMOTHY GRISWOLD
52 LYME STREET
OLD LYME, CT 06371
US

Number of Packages: 1

UPS Service: UPS Ground

Package Weight: 1.0 LBS

Reference Number: CTNL803A

Hello, your package has been delivered.

Delivery Date: Thursday, 05/19/2022

Delivery Time: 11:38 AM

Signed by: URBOWICZ

TRANSCEND WIRELESS

Tracking Number: [1ZV257420390114880](#)

Ship To: KIM GROVES
52 LYME STREET
OLD LYME, CT 06371
US

Number of Packages: 1

UPS Service: UPS Ground

Package Weight: 1.0 LBS

Reference Number: CTNL803A

Hello, your package has been delivered.

Delivery Date: Thursday, 05/19/2022

Delivery Time: 12:17 PM

Left At: INSIDE DELIV

Signed by: ID Verified

TRANSCEND WIRELESS

Tracking Number: [1ZV257420397298312](#)

Ship To: AMERICAN TOWER CORPORATION
10 PRESIDENTIAL WAY
WOBURN, MA 01801
US

Number of Packages: 1

UPS Service: UPS Ground

Package Weight: 1.0 LBS

Reference Number: CTNL803A

Location 232 SHORE RD

Mblu 8 / 36/2 /

Acct# 00020990

Owner ATSSLSS LLC

Assessment \$1,446,500

Appraisal \$2,066,200

PID 100505

Building Count 7

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2019	\$1,150,200	\$916,000	\$2,066,200

Assessment			
Valuation Year	Improvements	Land	Total
2019	\$805,300	\$641,200	\$1,446,500

Owner of Record

Owner ATSSLSS LLC
Co-Owner
Address POB 833
OLD LYME, CT 06371

Sale Price \$0
Certificate
Book & Page 0396/0757
Sale Date 12/12/2013
Instrument

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
ATSSLSS LLC	\$0		0396/0757		12/12/2013
SMITH GARY D	\$0		0181/0061		

Building 1 : Section 1

Year Built: 1986
Living Area: 3,800
Replacement Cost: \$140,372
Building Percent Good: 77
Replacement Cost Less Depreciation: \$108,100

Building Attributes	
Field	Description
Style:	Self Storage
Model	Ind/Comm
Grade	Average
Stories:	1
Occupancy	1.00
Exterior Wall 1	Pre-finish Metl
Exterior Wall 2	
Roof Structure	Shed
Roof Cover	Metal/Tin
Interior Wall 1	Minim/Masonry
Interior Wall 2	
Interior Floor 1	Concr-Finished
Interior Floor 2	
Heating Fuel	Coal or Wood
Heating Type	None
AC Type	None
Struct Class	
Bldg Use	COM WHS/GAR
Total Rooms	
Total Bedrms	00
Total Baths	0

Building Photo



Building Layout



Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
BAS	First Floor	3,800	3,800
		3,800	3,800

Building 2 : Section 1

Year Built: 1986
Living Area: 5,000
Replacement Cost: \$155,100
Building Percent Good: 77
Replacement Cost Less Depreciation: \$119,400

Building Attributes : Bldg 2 of 7	
Field	Description
Style:	Self Storage
Model	Ind/Comm
Grade	Average
Stories:	1
Occupancy	1.00
Exterior Wall 1	Pre-finish Metl
Exterior Wall 2	
Roof Structure	Shed
Roof Cover	Metal/Tin
Interior Wall 1	Minim/Masonry
Interior Wall 2	
Interior Floor 1	Conor-Finished
Interior Floor 2	
Heating Fuel	Coal or Wood
Heating Type	None
AC Type	None
Struct Class	
Bldg Use	COM WHS/GAR
Total Rooms	
Total Bedrms	00
Total Baths	0

Building Photo



Building Layout



Building Sub-Areas (sq ft)			<u>Legend</u>
Code	Description	Gross Area	Living Area
BAS	First Floor	5,000	5,000
		5,000	5,000

Building 3 : Section 1

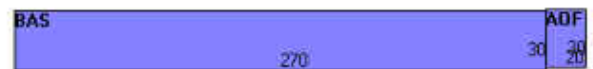
Year Built: 1986
Living Area: 8,700
Replacement Cost: \$275,854
Building Percent Good: 77
Replacement Cost Less Depreciation: \$212,400

Building Attributes : Bldg 3 of 7	
Field	Description
Style:	Self Storage
Model	Ind/Comm
Grade	Average
Stories:	1
Occupancy	1.00
Exterior Wall 1	Pre-finish Metl
Exterior Wall 2	Vinyl Siding
Roof Structure	Shed
Roof Cover	Metal/Tin
Interior Wall 1	Minim/Masonry
Interior Wall 2	
Interior Floor 1	Concr-Finished
Interior Floor 2	
Heating Fuel	Electric
Heating Type	Electr Basebrd
AC Type	None
Struct Class	
Bldg Use	COM WHS/GAR
Total Rooms	
Total Bedrms	00
Total Baths	0
1st Floor Use:	316l

Building Photo



Building Layout



Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
BAS	First Floor	8,100	8,100
AOF	Office, (Average)	600	600
		8,700	8,700

Building 4 : Section 1

Year Built: 1986
Living Area: 5,600
Replacement Cost: \$168,952
Building Percent Good: 77
Replacement Cost Less Depreciation: \$130,100

Building Attributes : Bldg 4 of 7	
Field	Description
Style:	Self Storage
Model	Ind/Comm
Grade	Average
Stories:	1
Occupancy	1.00
Exterior Wall 1	Pre-finish Metl
Exterior Wall 2	
Roof Structure	Shed
Roof Cover	Metal/Tin
Interior Wall 1	Minim/Masonry
Interior Wall 2	
Interior Floor 1	Concr-Finished
Interior Floor 2	
Heating Fuel	Coal or Wood
Heating Type	None
AC Type	None
Struct Class	
Bldg Use	COM WHS/GAR
Total Rooms	
Total Bedrms	00
Total Baths	0

Building Photo



Building Layout



Building Sub-Areas (sq ft)			<u>Legend</u>
Code	Description	Gross Area	Living Area
BAS	First Floor	5,600	5,600
		5,600	5,600

Building 5 : Section 1

Year Built: 1989
Living Area: 8,100
Replacement Cost: \$226,071
Building Percent Good: 81
Replacement Cost Less Depreciation: \$183,100

Building Attributes : Bldg 5 of 7	
Field	Description
Style:	Self Storage
Model	Ind/Comm
Grade	Average
Stories:	1
Occupancy	1.00
Exterior Wall 1	Pre-finish Metl
Exterior Wall 2	
Roof Structure	Shed
Roof Cover	Metal/Tin
Interior Wall 1	Minim/Masonry
Interior Wall 2	
Interior Floor 1	Concr-Finished
Interior Floor 2	
Heating Fuel	Coal or Wood
Heating Type	None
AC Type	None
Struct Class	
Bldg Use	COM WHS/GAR
Total Rooms	
Total Bedrms	00
Total Baths	0

Building Photo



Building Layout



Building Sub-Areas (sq ft)			<u>Legend</u>
Code	Description	Gross Area	Living Area
BAS	First Floor	8,100	8,100
		8,100	8,100

Building 6 : Section 1

Year Built: 1989
Living Area: 7,500
Replacement Cost: \$222,750
Building Percent Good: 81
Replacement Cost Less Depreciation: \$180,400

Building Attributes : Bldg 6 of 7	
Field	Description
Style:	Self Storage
Model	Ind/Comm
Grade	Average
Stories:	1
Occupancy	1.00
Exterior Wall 1	Pre-finish Metl
Exterior Wall 2	
Roof Structure	Shed
Roof Cover	Metal/Tin
Interior Wall 1	Minim/Masonry
Interior Wall 2	
Interior Floor 1	Concr-Finished
Interior Floor 2	
Heating Fuel	Coal or Wood
Heating Type	None
AC Type	None
Struct Class	
Bldg Use	COM WHS/GAR
Total Rooms	
Total Bedrms	00
Total Baths	0

Building Photo



Building Layout



Building Sub-Areas (sq ft)			<u>Legend</u>
Code	Description	Gross Area	Living Area
BAS	First Floor	7,500	7,500
		7,500	7,500

Building 7 : Section 1

Year Built: 1986
Living Area: 4,900
Replacement Cost: \$152,684
Building Percent Good: 77
Replacement Cost Less Depreciation: \$117,600

Building Attributes : Bldg 7 of 7	
Field	Description
Style:	Self Storage
Model	Ind/Comm
Grade	Average
Stories:	1
Occupancy	1.00
Exterior Wall 1	Pre-finish Metl
Exterior Wall 2	
Roof Structure	Shed
Roof Cover	Metal/Tin
Interior Wall 1	Minim/Masonry
Interior Wall 2	
Interior Floor 1	Concr-Finished
Interior Floor 2	
Heating Fuel	Coal or Wood
Heating Type	None
AC Type	None
Struct Class	
Bldg Use	COM WHS/GAR
Total Rooms	
Total Bedrms	00
Total Baths	0

Building Photo



Building Layout

BAS	245	20
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Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
BAS	First Floor	4,900	4,900
		4,900	4,900

Extra Features

Extra Features	Legend
No Data for Extra Features	

Land

Land Use		Land Line Valuation	
Use Code	316I	Size (Acres)	5.01
Description	COM WHS/GAR ⓘ	Frontage	
Zone	IND	Depth	
Neighborhood	C2	Assessed Value	\$641,200
Alt Land Appr Category	No	Appraised Value	\$916,000

Outbuildings

Outbuildings						Legend
Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
SGN2	DOUBLE SIDED			16.00 S.F.&HGT	\$600	1
LT1	LIGHTS-IN W/PL			6.00 UNITS	\$2,400	1
FN7	W/O TOP RL-5'			1100.00 L.F.	\$5,500	1
MSC19	TOWER			1.00 UNIT	\$90,600	1

Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2021	\$1,150,200	\$916,000	\$2,066,200
2020	\$1,150,200	\$916,000	\$2,066,200
2019	\$879,200	\$830,200	\$1,709,400

Assessment			
Valuation Year	Improvements	Land	Total
2021	\$805,300	\$641,200	\$1,446,500
2020	\$805,300	\$641,200	\$1,446,500
2019	\$615,400	\$581,100	\$1,196,500



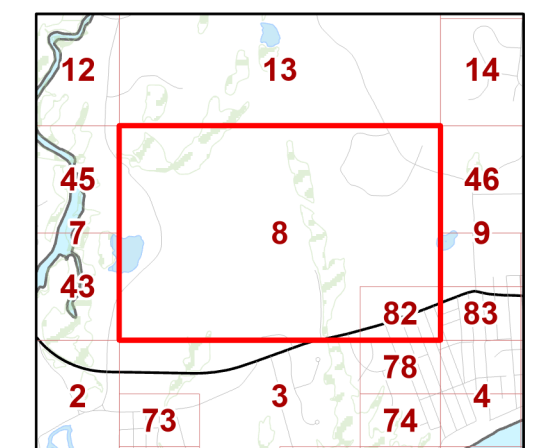
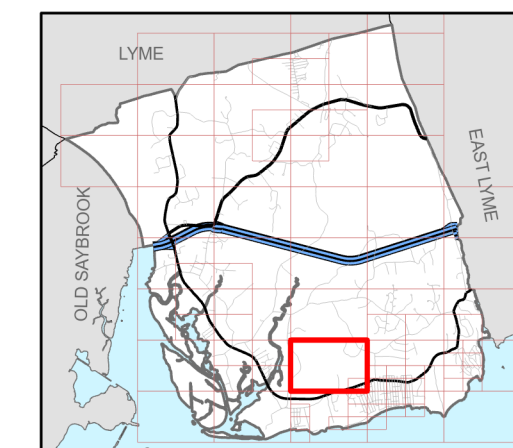
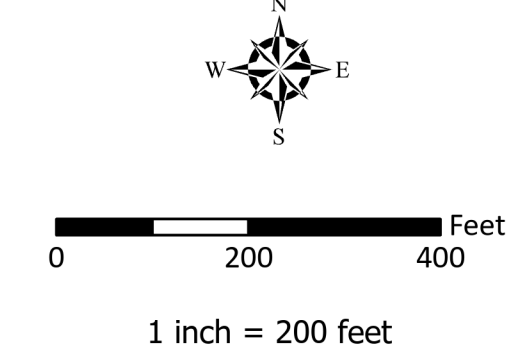
October 2020

This map (data) is for planning purposes only. It is not intended to be used for description, conveyance, authoritative definition of any legal boundary, or property title. This is not a survey product. The Town of Old Lyme and its mapping contractors assume no legal responsibility for the information contained herein.



- | | | |
|----------------|----------------------|----------------|
| Parcel Line | Leader | Edge of Drive |
| Right of Way | Railroad | Buildings |
| Paper Street | Abandoned Railroad | Structures |
| Rail Road | Edge of Paved Area | Pools |
| Rivers/Streams | Edge of Unpaved Area | Rivers/Streams |
| Tie Line | Edge of Trail | Lakes/Ponds |
| Mapgrid | Bridge | Swamps |
| Easement | Tunnel/Portal | |

Town of Old Lyme CONNECTICUT Tax Assessor Map



Tax
Map
Number
8



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@ct.gov

www.ct.gov/csc

July 19, 2019

Lucia Chiocchio, Esq
Daniel Patrick, Esq.
Cuddy & Feder LLP
445 Hamilton Avenue, 14th floor
White Plains, NY 10601

RE: **DOCKET NO. 391** - American Towers LLC Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a telecommunications facility located at 232 Shore Road, Old Lyme, Connecticut.

Dear Attorney Chiocchio and Attorney Patrick:

During a public meeting held on July 18, 2019, the Connecticut Siting Council (Council) by its Decision and Order dated July 18, 2019, modified the Decision and Order in Docket 391 rendered on September 23, 2010 for the construction, maintenance and operation of a telecommunications facility at 232 Shore Road, Old Lyme, Connecticut and reissued the Certificate of Environmental Compatibility and Public Need (Certificate), thereby eliminating the requirement that wireless antennas be attached to the tower via T-arm mounts.

Enclosed are the Council's Staff report, Modified Decision and Order, and reissued Certificate.

Sincerely,

Melanie A. Bachman
Executive Director

MAB/MP/laf

Enclosures

c: Gregory Mercier, Supervising Attorney, US Tower Division, American Tower Corporation
Parties and Intervenors
State Documents Librarian
The Honorable Bonnie A. Reemsnyder, First Selectwoman, Town of Old Lyme
Kim Barrows, CZET, Land Use Technician, Town of Old Lyme



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@ct.gov

Web Site: www.ct.gov/csc

Docket No. 391

232 Shore Road, Old Lyme

New Cingular Wireless PCS, LLC Request to Reopen and Modify the Decision and Order Staff Report July 18, 2019

Introduction

On September 23, 2010, the Connecticut Siting Council (Council) issued a Certificate of Environmental Compatibility and Public Need (Certificate) to T-Mobile Northeast, LLC (T-Mobile) for the construction, maintenance and operation of a telecommunications facility at 232 Shore Road, Old Lyme, Connecticut. New Cingular Wireless PCS, LLC (AT&T) and Cellco Partnership d/b/a Verizon Wireless (Cellco) participated as intervenors in the Certificate proceeding. On July 16, 2013, the Council approved the transfer of the Certificate from T-Mobile to Bay Communications II, LLC (Bay). On December 7, 2018, the Council approved the transfer of Certificate from Bay to American Towers, LLC (AT), who is the current Certificate Holder.

The Council's Docket No. 391 Decision and Order (D&O), Condition No. 1 specified that, "The wireless antennas shall be attached to the tower via T-arm mounts."

On May 17, 2019, AT&T submitted a Request to Reopen and Modify the D&O Condition No. 1 to allow for other types of antenna mounts to be used at this facility including, but not limited to, V-Boom mounts thereby increasing opportunities for tower sharing from entities that cannot utilize T-arm mounts with current or future antenna designs.

Background Site Information

Development and Management Plan

On August 26, 2011, the Council approved a Development and Management (D&M) Plan for this facility that included a 110-foot monopole, expandable to 160 feet. The D&M Plan approval included T-Mobile's installation consisting of nine panel antennas on T-arm mounts at a centerline height of approximately 99 feet above ground level (agl); Cellco's installation of 12 panel antennas on T-arm mounts at a centerline height of approximately 89 feet agl; and AT&T's installation of six panel antennas on T-arm mounts at a centerline height of approximately 109 feet agl.

Bay submitted a revised D&M Plan for this facility on or about August 14, 2013 to include enhancements to the wetland buffer area, modify the underground utility route and correct the yield point information for the tower. On August 27, 2013, the Council approved the revision to the D&M Plan.

AT&T submitted a revised D&M Plan filing for its co-location on or about October 22, 2013. In the revised D&M Plan filing, AT&T proposed to install 12 panel antennas and 15 remote radio heads (RRHs) at a centerline height of approximately 109-feet agl. On December 13, 2013, the Council approved this revised D&M Plan filing.

AT&T submitted another revised D&M Plan filing for its co-location on or about March 13, 2015. In this revised D&M Plan filing, AT&T proposed to install six panel antenna and 15 RRHs at a centerline height of approximately 109-feet agl. Also in that filing, AT&T confirmed that the tower construction was completed

in fall 2014, and both Cellco and T-Mobile installed their co-locations on the tower and are both on-air¹. On April 6, 2015, the Council approved AT&T's latest revision to the D&M Plan. AT&T has not installed antennas on this tower to date.

Request to Reopen and Modify

AT&T's May 17, 2019 Request to Reopen and Modify the D&O seeks to allow the use of V-Boom mounts and other antenna mounting designs to promote tower sharing and enhance existing wireless service, as detailed below:

- The current restrictions on antenna mount designs deter wireless carriers, including AT&T, from utilizing the existing tower site due to the inability of T-arm mounting systems to support the antennas and associated equipment now required by wireless carriers to provide state-of-the-art reliable wireless services;
- A Professional Engineer duly licensed in the State of Connecticut has certified that T-arm mounts would not be structurally adequate to support the AT&T's loading for this site, and thus, AT&T proposes V-Boom mounts; and
- The V-Boom mount system would not be more visually intrusive than a T-arm mount system. Specifically, per the AT&T's photosimulations, the different types of mounting systems would only be visible or noticeable in areas within a roughly 0.2-mile radius.

On May 16, 2019, AT&T notified the Town of Old Lyme and abutting property owners of the Request to Reopen and Modify the D&O.

On May 20, 2019, the Council notified Parties and Intervenors (including the Town of Old Lyme) of the Request to Reopen and Modify the D&O and requested that any submission of comments or statements with respect to whether the Request to Reopen and Modify the D&O should be granted or denied including any request for a hearing be submitted to the Council by close of business on June 20, 2019. No comments were received.

¹ At least one wireless carrier had to be fully operational (i.e. on-air) before January 22, 2015, the deadline for construction based on the latest extension of time granted by the Council.

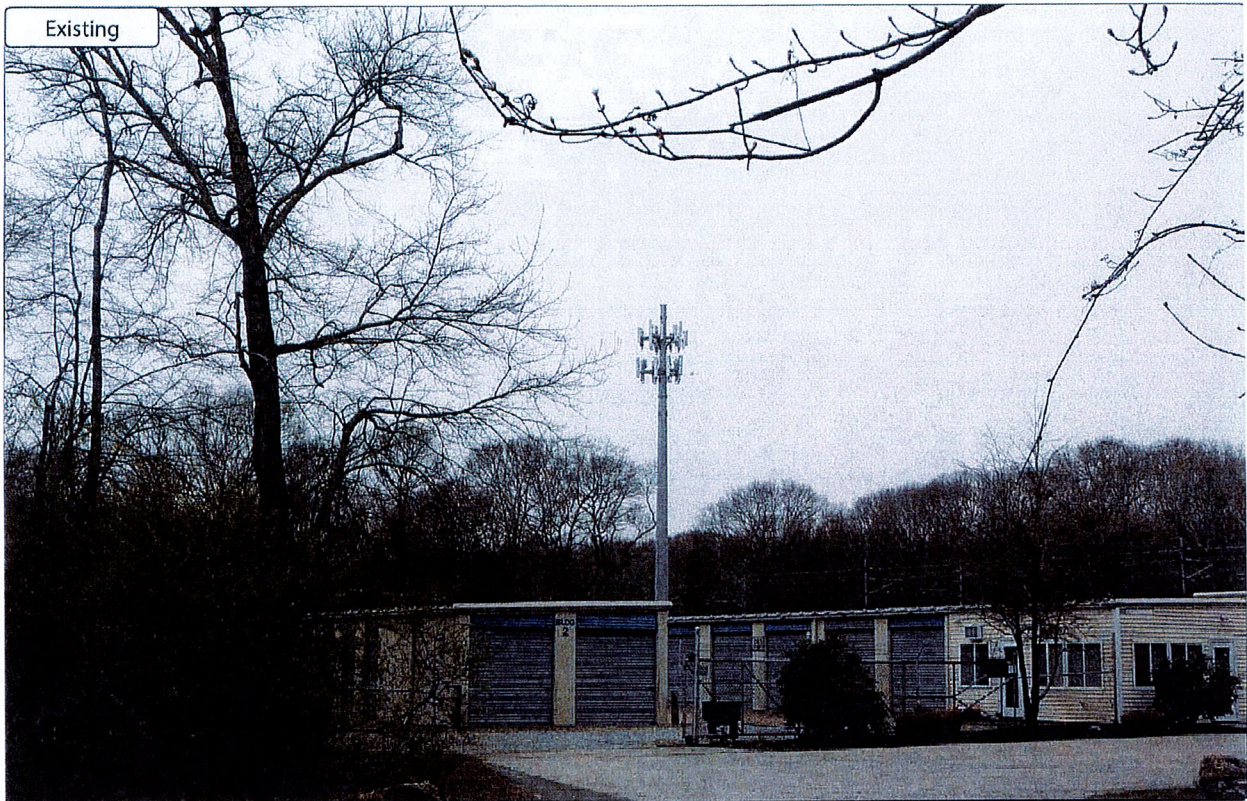


Photo #	Location	Gps Coordinates	Distance to site	Orientation	Bearing to site	Visibility
1	232 Shore Rd	41.2907 -72.28579	497.36 Feet	South-East	318	Year Round

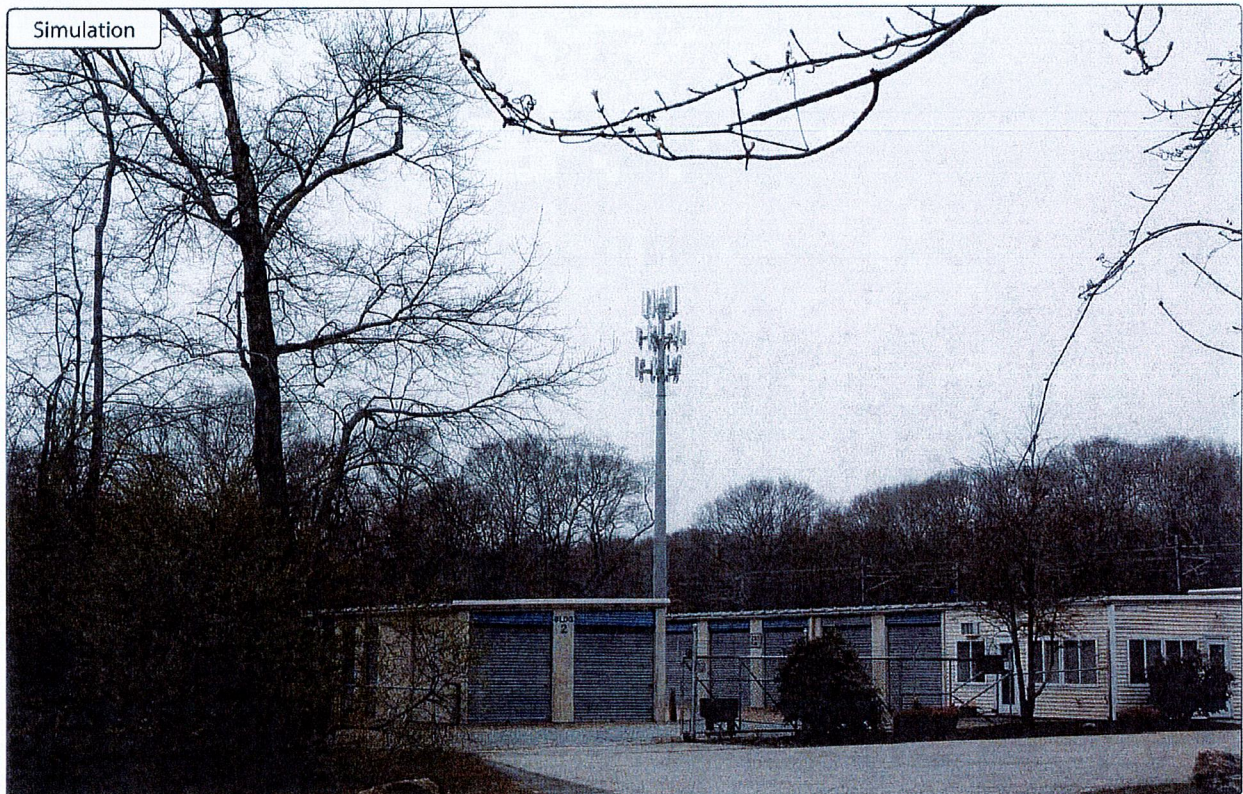


Photo #	Location	Gps Coordinates	Distance to site	Orientation	Bearing to site	Visibility
1	232 Shore Rd	41.2907 -72.28579	497.36 Feet	South-East	318	Year Round

DOCKET NO. 391 – American Towers LLC Certificate of }
Environmental Compatibility and Public Need for the construction, }
maintenance and operation of a telecommunications facility located }
at 232 Shore Road, Old Lyme, Connecticut. }

Connecticut
Siting
Council
July 18, 2019

Decision and Order

In response to the Connecticut Siting Council's (Council) reopening of the record in this docket on July 18, 2019 to consider whether changed conditions exist that would warrant a modification to the original Decision and Order's Condition 1 eliminating the requirement that wireless antennas be attached to the tower via T-arm mounts, the Council hereby rescinds the Decision and Order in Docket 391 rendered on September 23, 2010 and issues this new Decision and Order for the construction, maintenance and operation of a telecommunications facility located at 232 Shore Road, Old Lyme, Connecticut.

Unless otherwise approved by the Council, the facility shall be constructed, operated, and maintained substantially as specified in the Council's record in this matter, and subject to the following conditions:

1. The tower shall be constructed as a monopole, no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas of AT&T Wireless PCS, LLC, T-Mobile, and Celco Partnership d/b/a Verizon Wireless and other entities, both public and private. The height of the tower may be extended after the date of this Decision and Order pursuant to regulations of the Federal Communications Commission.
2. The tower and foundation shall be designed to accommodate a tower extension up to 160 feet agl.
3. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be served on the Town of Old Lyme for comment, and all parties and intervenors as listed in the service list, and submitted to and approved by the Council prior to the commencement of facility construction and shall include:
 - a) a final site plan(s) of site development to include specifications for the tower, tower foundation, antennas, equipment compound, radio equipment, access road, utility line, and landscaping; and
 - b) construction plans for site clearing, grading, landscaping, water drainage, and erosion and sedimentation controls consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended.
4. Prior to the commencement of operation, the Certificate Holder shall provide the Council worst-case modeling of the electromagnetic radio frequency power density of all proposed entities' antennas at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 65, August 1997. The Certificate Holder shall ensure a recalculated report of the electromagnetic radio frequency power density be submitted to the Council if and when circumstances in operation cause a change in power density above the levels calculated and provided pursuant to this Decision and Order.
5. Upon the establishment of any new State or federal radio frequency standards applicable to frequencies of this facility, the facility granted herein shall be brought into compliance with such standards.
6. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.

7. The Certificate Holder shall provide reasonable space on the tower for no compensation for any Town of Old Lyme public safety services (police, fire and medical services), provided such use can be accommodated and is compatible with the structural integrity of the tower.
8. Unless otherwise approved by the Council, if the facility authorized herein is not fully constructed with at least one fully operational wireless telecommunications carrier providing wireless service within eighteen months from the date of the mailing of the Council's Findings of Fact, Opinion, and Decision and Order (collectively called "Final Decision"), this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made. The time between the filing and resolution of any appeals of the Council's Final Decision shall not be counted in calculating this deadline. Authority to monitor and modify this schedule, as necessary, is delegated to the Executive Director. The Certificate Holder shall provide written notice to the Executive Director of any schedule changes as soon as is practicable.
9. Any request for extension of the time period referred to in Condition 8 shall be filed with the Council not later than 60 days prior to the expiration date of this Certificate and shall be served on all parties and intervenors, as listed in the service list, and the Town of Old Lyme. Any proposed modifications to this Decision and Order shall likewise be so served.
10. If the facility ceases to provide wireless services for a period of one year, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made.
11. Any nonfunctioning antenna, and associated antenna mounting equipment, on this facility shall be removed within 60 days of the date the antenna ceased to function.
12. In accordance with Section 16-50j-77 of the Regulations of Connecticut State Agencies, the Certificate Holder shall provide the Council with written notice two weeks prior to the commencement of site construction activities. In addition, the Certificate Holder shall provide the Council with written notice of the completion of site construction, and the commencement of site operation.
13. The Certificate Holder shall remit timely payments associated with annual assessments and invoices submitted by the Council for expenses attributable to the facility under Conn. Gen. Stat. §16-50v.
14. This Certificate may be transferred in accordance with Conn. Gen. Stat. §16-50k(b), provided both the Certificate Holder\transferor and the transferee are current with payments to the Council for their respective annual assessments and invoices under Conn. Gen. Stat. §16-50v. In addition, both the Certificate Holder\transferor and the transferee shall provide the Council a written agreement as to the entity responsible for any quarterly assessment charges under Conn. Gen. Stat. §16-50v(b)(2) that may be associated with this facility.

We hereby direct that a copy of the staff report and modified Decision and Order be served on each person listed in the Service List, dated December 6, 2018, and notice of issuance published in the The Day.

By this Decision and Order, the Council disposes of the legal rights, duties, and privileges of each party named or admitted to the proceeding in accordance with Section 16-50j-17 of the Regulations of Connecticut State Agencies.



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

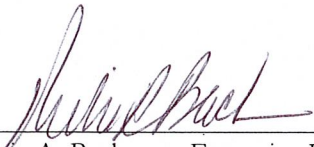
E-Mail: siting.council@ct.gov

www.ct.gov/csc

**CERTIFICATE
OF
ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED
DOCKET NO. 391**

Pursuant to General Statutes § 4-181a(b), the Connecticut Siting Council hereby reissues a Certificate of Environmental Compatibility and Public Need to American Towers LLC for the construction, maintenance and operation of a telecommunications facility located at 232 Shore Road, Old Lyme, Connecticut. This Certificate is issued in accordance with and subject to the terms and conditions set forth in the Decision and Order of the Council on July 18, 2019.

By order of the Council,



Melanie A. Bachman, Executive Director

July 18, 2019



STATE OF CONNECTICUT)

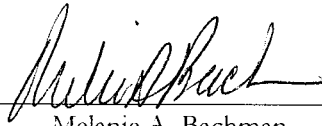
ss. New Britain, Connecticut :

July 19, 2019

COUNTY OF HARTFORD)

I hereby certify that the foregoing is a true and correct copy of the Modified Decision and Order and reissued Certificate of Environmental Compatibility and Public Need by the Connecticut Siting Council, State of Connecticut.

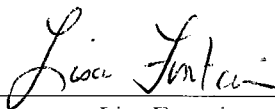
ATTEST:



Melanie A. Bachman
Executive Director
Connecticut Siting Council

I certify that a copy of the Modified Decision and Order and reissued Certificate of Environmental Compatibility and Public Need in Docket No. 391 have been forwarded by Certified First Class Return Receipt Requested mail on July 19, 2019, to all parties and intervenors of record as listed on the attached service list, dated December 6, 2018.

ATTEST:



Lisa Fontaine
Fiscal Administrative Officer
Connecticut Siting Council

LIST OF PARTIES AND INTERVENORS
SERVICE LIST

Status Granted	Document Service	Status Holder (name, address & phone number)	Representative (name, address & phone number)
Certificate Transfer <i>(granted on Dec. 6, 2018)</i>	<input checked="" type="checkbox"/> E-Mail	American Towers LLC	Gregory Mercier, Esq. American Tower Corporation 10 Presidential Way Woburn, MA 01801 (781) 926-4712 Greg.mercier@americantower.com
Certificate Transfer <i>(granted on July 11, 2013)</i>	<input type="checkbox"/> U.S. Mail	Bay Communications II LLC	James R. Riley, Manager 391 Oakland Street, Second Floor, Mansfield, MA 02048 Office: (774) 719-2146 Fax: (774) 719-2135 jriley@baycommunicationsllc.com
Applicant	<input checked="" type="checkbox"/> U.S. Mail	T-Mobile Northeast, LLC	Monte E. Frank, Esq. Cohen and Wolf, P.C. 1115 Broad Street Bridgeport, CT 06604 (203) 368-0211 (203) 394-9901 fax mfrank@cohenandwolf.com
Intervenor <i>(granted on December 18, 2009)</i>	<input checked="" type="checkbox"/> U.S. Mail	Cellco Partnership d/b/a Verizon Wireless	Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103-3597 (860) 275-8200 (860) 275-8299 fax kbaldwin@rc.com
Intervenor <i>(granted on December 18, 2009)</i>	<input checked="" type="checkbox"/> U.S. Mail	New Cingular Wireless PCS, LLC (AT&T)	Christopher B Fisher, Esq. Daniel M. Laub, Esq. Cuddy & Feder LLP 445 Hamilton Avenue, 14 th Floor White Plains, NY 10601 (914) 761-1300 (914) 761-5372 fax cfisher@cuddyfeder.com dlaub@cuddyfeder.com

LIST OF PARTIES AND INTERVENORS
SERVICE LIST

Status Granted	Document Service	Status Holder (name, address & phone number)	Representative (name, address & phone number)
Party <i>(granted on December 18, 2009)</i>	<input checked="" type="checkbox"/> U.S. Mail	Town of Old Lyme	The Honorable Timothy C. Griswold Office of the Selectmen Town of Old Lyme 52 Lyme Street Old Lyme, CT 06371 firstselectman@oldlyme-ct.gov



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@ct.gov

www.ct.gov/csc

July 19, 2019

TO: Classified/Legal Supervisor (legal@theday.com)
39120190718
The Day Publishing Company
P. O. Box 1231
New London, CT 06320-1231

FROM: Lisa Fontaine, Fiscal Administrative Officer

RE: **DOCKET NO. 391** - American Towers LLC Certificate of Environmental
Compatibility and Public Need for the construction, maintenance and operation of
a telecommunications facility located at 232 Shore Road, Old Lyme, Connecticut.

Please publish the attached legal notice for one day on the first day possible from receipt of this notice.

Please send an affidavit of publication and invoice to my attention.

Thank you.

MP/laf



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@ct.gov

www.ct.gov/csc

NOTICE

Pursuant to General Statutes § 4-181a(b), the Connecticut Siting Council (Council) announces that, on July 18, 2019, the Council modified the Decision and Order in Docket 391, dated September 23, 2010, and reissued the Certificate of Environmental Compatibility and Public Need, thereby eliminating the requirement that wireless antennas be attached to the tower via T-arm mounts in DOCKET NO. 391 - American Towers LLC Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a telecommunications facility located at 232 Shore Road, Old Lyme, Connecticut. This record is available for public inspection in the Council's office, Ten Franklin Square, New Britain, Connecticut.

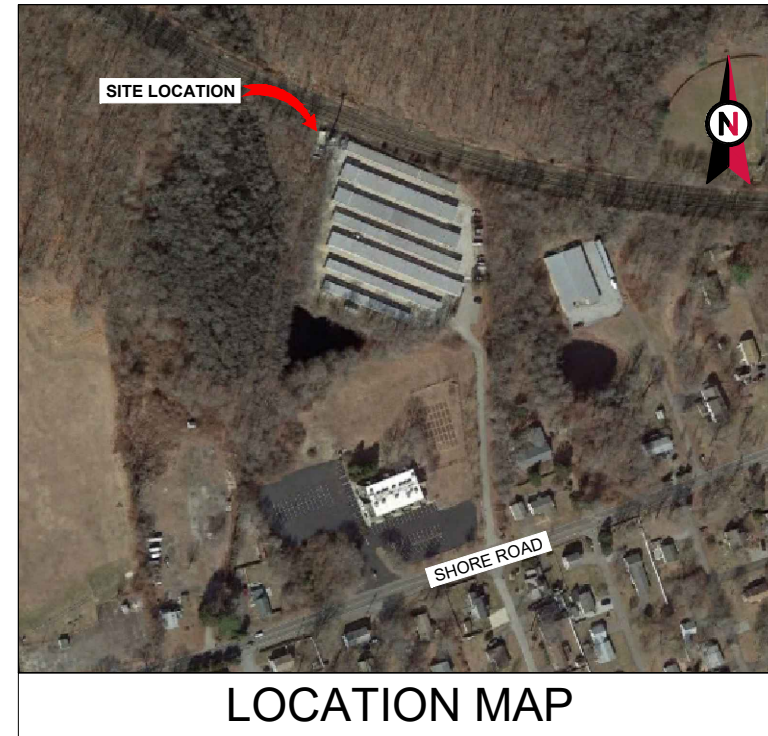


VICINITY MAP



AMERICAN TOWER®

ATC SITE NAME: OLD LYME II CT
 ATC SITE NUMBER: 284982
 T-MOBILE SITE NAME: AMTRAK_OLDLYME4
 T-MOBILE SITE NUMBER: CTNL803A
 SITE ADDRESS: 232 SHORE ROAD
 OLD LYME, CT 06371



LOCATION MAP

**T-MOBILE ANCHOR_PHASE 3 AMENDMENT PLAN
 67D5D998E 6160 CONFIGURATION**

COMPLIANCE CODE	PROJECT SUMMARY	PROJECT DESCRIPTION	SHEET INDEX				
ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNMENT AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES. 1. 2015 INTERNATIONAL BUILDING CODE (IBC) W/ 2018 CONNETICUT STATE BUILDING CODE AMENDMENTS 2. 2017 NATIONAL ELECTRIC CODE (NEC) 3. LOCAL BUILDING CODE 4. CITY/COUNTY ORDINANCES	<u>SITE ADDRESS:</u> 232 SHORE ROAD OLD LYME, CT 06371 COUNTY: NEW LONDON <u>GEOGRAPHIC COORDINATES:</u> LATITUDE: 41.29183013 LONGITUDE: -72.28693327 GROUND ELEVATION: 36" AMSL	THE PROPOSED PROJECT INCLUDES MODIFYING GROUND BASED AND TOWER MOUNTED EQUIPMENT AS INDICATED PER BELOW: <u>TOWER WORK:</u> REMOVE (6) ANTENNA(s), (12) COAX, AND (1) 9X18 HCS CABLE(s) INSTALL (6) ANTENNA(s), (3) RRU(s), (2) 6/24 4 AWG CABLE(s) EXISTING (3) ANTENNA(s), (3) RRU(s), (3) 6X12 HCS CABLE CABLE(s) TO REMAIN <u>GROUND WORK:</u> REMOVE (6) RU22 IN RBS 6131 CABINET INSTALL (1) ENCLOSURE 6160 AC V1 CABINET, (1) B160 BATTERY CABINET, (2) RR 6651 IN 6160 AC V1 CABINET, (1) PSU 4813 VR4A IN 6160 AC V1 CABINET, (1) CSR IXRE V2 (GEN2) IN 6160 AC V1 CABINET, (1) IXRE ROUTER TO NEW ENCLOSURE 6160 CABINET EXISTING (1) RBS 6131 CABINET, (1) DUW30 IN RBS 6131 CABINET, (1) DUG20 IN RBS 6131 CABINET, (2) BB 6630 IN RBS 6131 CABINET TO REMAIN	SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:
	<u>PROJECT TEAM</u> <u>TOWER OWNER:</u> AMERICAN TOWER 10 PRESIDENTIAL WAY WOBURN, MA 01801 <u>ENGINEER:</u> ATC TOWER SERVICES, LLC 3500 REGENCY PKWY STE 100 CARY, NC 27518 <u>PROPERTY OWNER:</u> ATSSLSS LLC POB 833 OLD LYME, CT 06371	<u>PROJECT NOTES</u> 1. THE FACILITY IS UNMANNED. 2. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE. 3. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE. 4. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED. 5. HANDICAP ACCESS IS NOT REQUIRED. 6. THE PROJECT DEPICTED IN THESE PLANS QUALIFIES AS AN ELIGIBLE FACILITIES REQUEST ENTITLED TO EXPEDITED REVIEW UNDER 47 U.S.C. § 1455(A) AS A MODIFICATION OF AN EXISTING WIRELESS TOWER THAT INVOLVES THE COLLOCATION, REMOVAL, AND/OR REPLACEMENT OF TRANSMISSION EQUIPMENT THAT IS NOT A SUBSTANTIAL CHANGE UNDER CFR § 1.61000 (B)(7).	G-001	TITLE SHEET	0	5/12/22	KJG
<u>UTILITY COMPANIES</u> POWER COMPANY: T.B.D PHONE: TELEPHONE COMPANY: T.B.D PHONE:	<u>PROJECT LOCATION DIRECTIONS</u> FROM DOWNTOWN NEW HAVEN START OUT GOING NORTHEAST ON CHURCH ST TOWARD WALL ST. TAKE THE 1ST RIGHT ONTO WALL ST. TAKE THE 1ST LEFT ONTO ORANGE ST. TAKE THE 3RD RIGHT ONTO TRUMBULL ST. TURN SLIGHT LEFT TO TAKE THE I-91 S/I-91 N RAMP. MERGE ONTO I-91 S TOWARD I-95/N.Y.CITY/NEW LONDON. MERGE ONTO I-91 S TOWARD I-95/N.Y.CITY/NEW LONDON. MERGE ONTO CT-156 E VIA EXIT 70. 232 SHORE RD, OLD LYME, CT 06371-2086, 232 SHORE RD IS ON THE LEFT. SITE IS INSIDE SELF STORAGE FACILITY. AT SOUTH SHORE LANDING SELF STORAGE 860 434 5023	C-101	DETAILED SITE PLAN	0	5/12/22	KJG	
<u>811</u> Know what's below. Call before you dig.			C-102	DETAILED EQUIPMENT PLAN	0	5/12/22	KJG
			C-201	TOWER ELEVATION	0	5/12/22	KJG
			C-401	ANTENNA INFORMATION & SCHEDULE	0	5/12/22	KJG
			C-501	CONSTRUCTION DETAILS	0	5/12/22	KJG
			E-501	GROUNDING DETAILS	0	5/12/22	KJG
			E-601	PANNEL SCHEDULE AND ELECTRICAL SCHEMATIC	0	5/12/22	KJG
			R-601	SUPPLEMENTAL	-	-	-
			R-602	SUPPLEMENTAL	-	-	-
			R-603	SUPPLEMENTAL	-	-	-
			R-604	SUPPLEMENTAL	-	-	-
			R-605	SUPPLEMENTAL	-	-	-
			R-606	SUPPLEMENTAL	-	-	-
			R-607	SUPPLEMENTAL	-	-	-
			R-608	SUPPLEMENTAL	-	-	-
			R-609	SUPPLEMENTAL	-	-	-
			R-610	SUPPLEMENTAL	-	-	-



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

REV.	DESCRIPTION	BY	DATE
A	PRELIMINARY	ANP	4/6/22
0	CONSTRUCTION	KJG	5/12/22

ATC SITE NUMBER:
284982

 ATC SITE NAME:
OLD LYME II CT

 T-MOBILE SITE NAME:
AMTRAK_OLDLYME4

 SITE ADDRESS:
232 SHORE ROAD
OLD LYME, CT 06371

SEAL:

MTS ENGINEERING P.L.L.C.
 BER:2386985
 Expires 3/31/23

T-Mobile

DATE DRAWN:	5/11/22
ATC JOB NO:	14049010_G3
CUSTOMER ID:	AMTRAK_OLDLYME4
CUSTOMER #:	CTNL803A

TITLE SHEET

SHEET NUMBER:	REVISION:
G-001	0

GENERAL CONSTRUCTION NOTES:

1. OWNER FURNISHED MATERIALS, T-MOBILE "THE COMPANY" WILL PROVIDE AND THE CONTRACTOR WILL INSTALL
 - A. BTS EQUIPMENT FRAME (PLATFORM) AND ICEBRIDGE SHELTER (GROUND BUILD/CO-LOCATE ONLY)
 - B. AC/TELCO INTERFACE BOX (PPC)
 - C. ICE BRIDGE (CABLE TRAY WITH COVER) (GROUND BUILD/CO-LOCATE ONLY, GC TO FURNISH AND INSTALL FOR ROOFTOP INSTALLATION)
 - D. TOWERS, MONOPOLES
 - E. TOWER LIGHTING
 - F. GENERATORS & LIQUID PROPANE TANK
 - G. ANTENNA STANDARD BRACKETS, FRAMES AND PIPES FOR MOUNTING
 - H. ANTENNAS (INSTALLED BY OTHERS)
 - I. TRANSMISSION LINE
 - J. TRANSMISSION LINE JUMPERS
 - K. TRANSMISSION LINE CONNECTORS WITH WEATHERPROOFING KITS
 - L. TRANSMISSION LINE GROUND KITS
 - M. HANGERS
 - N. HOISTING GRIPS
 - O. BTS EQUIPMENT
2. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL OTHER MATERIALS FOR THE COMPLETE INSTALLATION OF THE SITE INCLUDING, BUT NOT LIMITED TO, SUCH MATERIALS AS FENCING, STRUCTURAL STEEL SUPPORTING SUB-FRAME FOR PLATFORM, ROOFING LABOR AND MATERIALS, GROUNDING RINGS, GROUNDING WIRES, COPPER-CLAD OR XIT CHEMICAL GROUND ROD(S), BUSS BARS, TRANSFORMERS AND DISCONNECT SWITCHES WHERE APPLICABLE, TEMPORARY ELECTRICAL POWER, CONDUIT, LANDSCAPING COMPOUND STONE, CRANES, CORE DRILLING, SLEEPERS AND RUBBER MATTING, REBAR, CONCRETE CAISSONS, PADS AND/OR AUGER MOUNTS, MISCELLANEOUS FASTENERS, CABLE TRAYS, NON-STANDARD ANTENNA FRAMES AND ALL OTHER MATERIAL AND LABOR REQUIRED TO COMPLETE THE JOB ACCORDING TO THE DRAWINGS AND SPECIFICATIONS. IT IS THE POSITION OF T-MOBILE TO APPLY FOR PERMITTING AND CONTRACTOR RESPONSIBLE FOR PICKUP AND PAYMENT OF REQUIRED PERMITS.
3. ALL WORK SHALL CONFORM TO ALL CURRENT APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING ANSI/EIA/TIA-222, AND COMPLY WITH ATC CONSTRUCTION SPECIFICATIONS.
4. CONTRACTOR SHALL CONTACT LOCAL 811 FOR IDENTIFICATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED INSPECTIONS.
6. ALL DIMENSIONS TO, OF, AND ON EXISTING BUILDINGS, DRAINAGE STRUCTURES, AND SITE IMPROVEMENTS SHALL BE VERIFIED IN FIELD BY CONTRACTOR WITH ALL DISCREPANCIES REPORTED TO THE ENGINEER.
7. DO NOT CHANGE SIZE OR SPACING OF STRUCTURAL ELEMENTS.
8. DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
9. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
10. CONTRACTOR SHALL BRACE STRUCTURES UNTIL ALL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: LATERAL BRACING, ANCHOR BOLTS, ETC.
11. CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES, GROUNDS DRAINS, DRAIN PIPES, VENTS, ETC. BEFORE COMMENCING WORK.
12. INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE T-MOBILE REP PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH REMEDIAL ACTION SHALL REQUIRE WRITTEN APPROVAL BY THE T-MOBILE REP PRIOR TO PROCEEDING.
13. EACH CONTRACTOR SHALL COOPERATE WITH THE T-MOBILE REP, AND COORDINATE HIS WORK WITH THE WORK OF OTHERS.
14. CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OF THIS PROJECT TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE T-MOBILE CONSTRUCTION MANAGER.
15. ALL CABLE/CONDUIT ENTRY/EXIT PORTS SHALL BE WEATHERPROOFED DURING INSTALLATION USING A SILICONE SEALANT.
16. WHERE EXISTING CONDITIONS DO NOT MATCH THOSE SHOWN IN THIS PLAN SET, CONTRACTOR SHALL NOTIFY THE T-MOBILE REP AND ENGINEER OF RECORD IMMEDIATELY.
17. CONTRACTOR SHALL ENSURE ALL SUBCONTRACTORS ARE PROVIDED WITH A COMPLETE AND CURRENT SET OF DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
18. CONTRACTOR SHALL REMOVE ALL RUBBISH AND DEBRIS FROM THE SITE AT THE END OF EACH DAY.
19. CONTRACTOR SHALL COORDINATE WORK SCHEDULE WITH AMERICAN TOWER CORPORATION (ATC) AND TAKE PRECAUTIONS TO MINIMIZE IMPACT AND DISRUPTION OF OTHER OCCUPANTS OF THE FACILITY.
20. CONTRACTOR SHALL FURNISH T-MOBILE AND AMERICAN TOWER CORPORATION (ATC) WITH A PDF MARKED UP AS-BUILT SET OF DRAWINGS UPON COMPLETION OF WORK.
21. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH T-MOBILE REP TO DETERMINE WHAT, IF ANY, ITEMS WILL BE PROVIDED. ALL ITEMS NOT PROVIDED SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. CONTRACTOR WILL INSTALL ALL ITEMS PROVIDED.

22. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH T-MOBILE REP TO DETERMINE IF ANY PERMITS WILL BE OBTAINED BY CONTRACTOR. ALL REQUIRED PERMITS NOT OBTAINED BY T-MOBILE MUST BE OBTAINED, AND PAID FOR, BY THE CONTRACTOR.
23. CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH T-MOBILE SPECIFICATIONS AND REQUIREMENTS.
24. CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO T-MOBILE FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
25. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND LOCATED ACCORDING TO T-MOBILE SPECIFICATIONS, AND AS SHOWN IN THESE PLANS.
26. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
27. CONTRACTOR SHALL NOTIFY T-MOBILE REP A MINIMUM OF 48 HOURS IN ADVANCE OF POURING CONCRETE OR BACKFILLING ANY UNDERGROUND UTILITIES, FOUNDATIONS OR SEALING ANY WALL, FLOOR OR ROOF PENETRATIONS FOR ENGINEERING REVIEW AND APPROVAL.
28. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY INCLUDING COMPLIANCE WITH ALL APPLICABLE OSHA STANDARDS AND RECOMMENDATIONS AND SHALL PROVIDE ALL NECESSARY SAFETY DEVICES INCLUDING PPE AND PPM AND CONSTRUCTION DEVICES SUCH AS WELDING AND FIRE PREVENTION, TEMPORARY SHORING, SCAFFOLDING, TRENCH BOXES/SLOPING, BARRIERS, ETC.
29. THE CONTRACTOR SHALL PROTECT AT HIS OWN EXPENSE, ALL EXISTING FACILITIES AND SUCH OF HIS NEW WORK LIABLE TO INJURY DURING THE CONSTRUCTION PERIOD. ANY DAMAGE CAUSED BY NEGLIGENCE ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, OR BY THE ELEMENTS DUE TO NEGLIGENCE ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, EITHER TO THE EXISTING WORK, OR TO HIS WORK OR THE WORK OF ANY OTHER CONTRACTOR, SHALL BE REPAIRED AT HIS EXPENSE TO THE OWNER'S SATISFACTION.
30. ALL WORK SHALL BE INSTALLED IN A FIRST CLASS, NEAT AND WORKMANLIKE MANNER BY MECHANICS SKILLED IN THE TRADE INVOLVED. THE QUALITY OF WORKMANSHIP SHALL BE SUBJECT TO THE APPROVAL OF THE T-MOBILE REP. ANY WORK FOUND BY THE T-MOBILE REP TO BE OF INFERIOR QUALITY AND/OR WORKMANSHIP SHALL BE REPLACED AND/OR REWORKED AT CONTRACTOR EXPENSE UNTIL APPROVAL IS OBTAINED.
31. IN ORDER TO ESTABLISH STANDARDS OF QUALITY AND PERFORMANCE, ALL TYPES OF MATERIALS LISTED HEREINAFTER BY MANUFACTURER'S NAMES AND/OR MANUFACTURER'S CATALOG NUMBER SHALL BE PROVIDED BY THESE MANUFACTURERS AS SPECIFIED.
32. T-MOBILE FURNISHED EQUIPMENT SHALL BE PICKED-UP AT THE T-MOBILE WAREHOUSE, NO LATER THAN 48HR AFTER BEING NOTIFIED INSURED, STORED, UNCRATE, PROTECTED AND INSTALLED BY THE CONTRACTOR WITH ALL APPURTENANCES REQUIRED TO PLACE THE EQUIPMENT IN OPERATION, READY FOR USE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EQUIPMENT AFTER PICKING IT UP.
33. T-MOBILE OR HIS ARCHITECT/ENGINEER RESERVES THE RIGHT TO REJECT ANY EQUIPMENT OR MATERIALS WHICH, IN HIS OWN OPINION ARE NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS, EITHER BEFORE OR AFTER INSTALLATION AND THE EQUIPMENT SHALL BE REPLACED WITH EQUIPMENT CONFORMING TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE CONTRACTOR AT NO COST TO T-MOBILE OR THEIR ARCHITECT/ENGINEER.

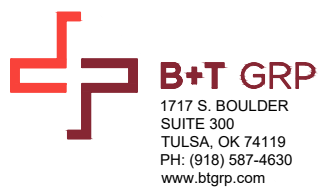
COAXIAL CABLE (NOT WITHIN BENDS)

SPECIAL CONSTRUCTION

ANTENNA INSTALLATION NOTES:

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

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



REV.	DESCRIPTION	BY	DATE
A	PRELIMINARY	ANP	4/6/22
B	CONSTRUCTION	KJG	5/12/22
C			

ATC SITE NUMBER:
284982

ATC SITE NAME:
OLD LYME II CT

T-MOBILE SITE NAME:
AMTRAK_OLDLYME4

SITE ADDRESS:
232 SHORE ROAD
OLD LYME, CT 06371

SEAL:

MTS ENGINEERING P.L.L.C.
BER:2386985
Expires 3/31/23



DATE DRAWN:	5/11/22
ATC JOB NO:	14049010_G3
CUSTOMER ID:	AMTRAK_OLDLYME4
CUSTOMER #:	CTNL803A

GENERAL NOTES	
SHEET NUMBER: G-002	REVISION: 0

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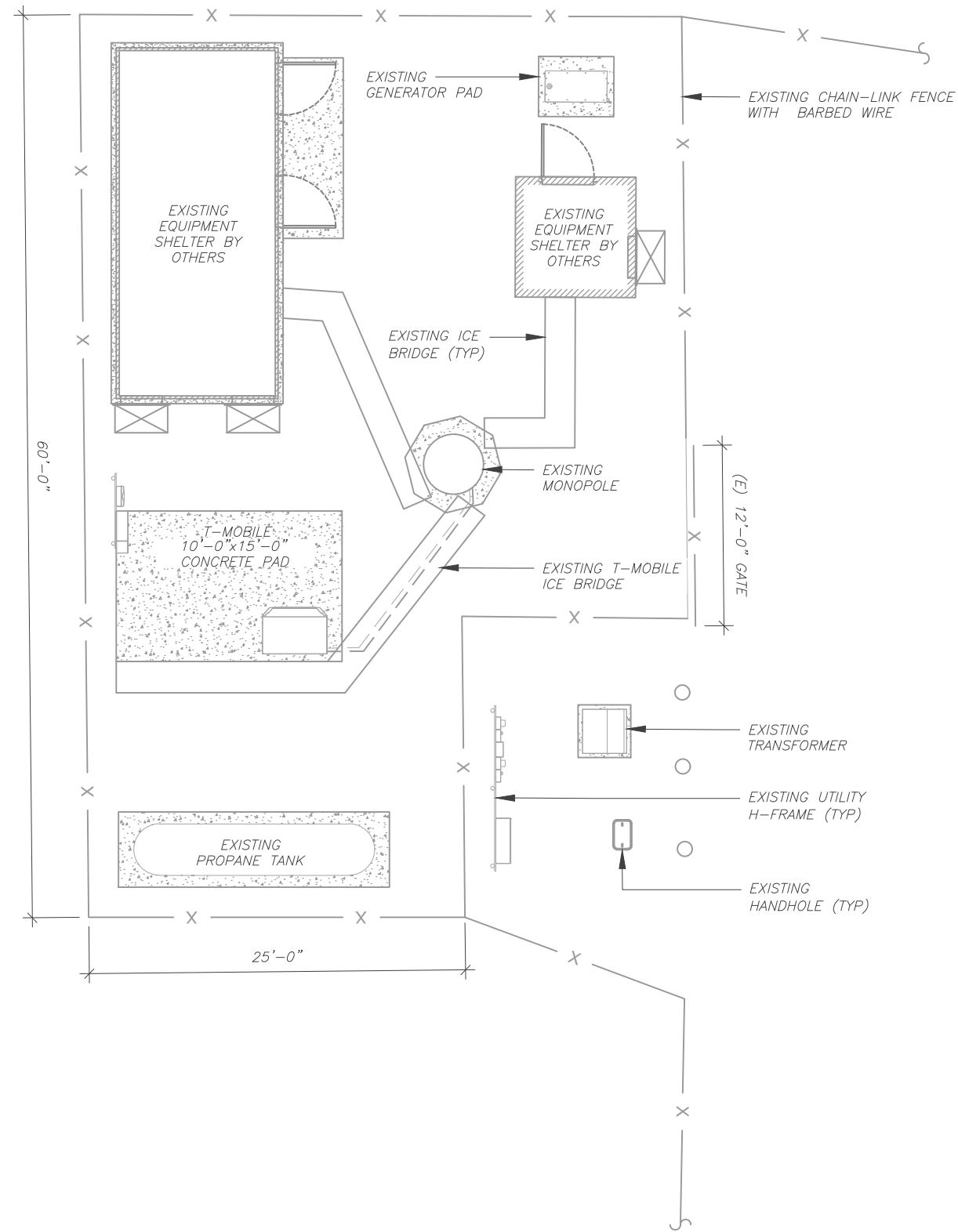
SITE PLAN NOTES:

1. THIS SITE PLAN REPRESENTS THE BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF THIS DESIGN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION AND VERIFY ALL EXISTING CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT.
2. ICE BRIDGE, CABLE LADDER, COAX PORT, AND COAX CABLE ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL CONFIRM THE EXACT LOCATION OF ALL PROPOSED AND EXISTING EQUIPMENT AND STRUCTURES DEPICTED ON THIS PLAN. BEFORE UTILIZING EXISTING CABLE SUPPORTS, COAX PORTS, INSTALLING NEW PORTS OR ANY OTHER EQUIPMENT, CONTRACTOR SHALL VERIFY ALL ASPECTS OF THE COMPONENTS MEET THE ATC SPECIFICATIONS.
3. THIS PROJECT INCLUDES NO INSTALL OR MODIFICATION AT GRADE.

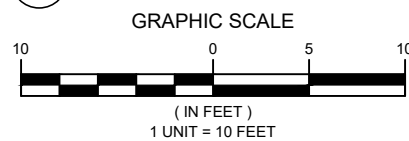
LEGEND	
⊗	GROUNDING TEST WELL
ATS	AUTOMATIC TRANSFER SWITCH
B	BOLLARD
CSC	CELL SITE CABINET
D	DISCONNECT
E	ELECTRICAL
F	FIBER
GEN	GENERATOR
G	GENERATOR RECEPTACAL
HH, V	HAND HOLE, VAULT
IB	ICE BRIDGE
K	KENTROX BOX
LC	LIGHTING CONTROL
M	METER
PB	PULL BOX
PP	POWER POLE
T	TELCO
TRN	TRANSFORMER
—	CHAINLINK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

PROPOSED CABLE LENGTH:

1. ESTIMATED LENGTH OF PROPOSED CABLE IS 150'. ESTIMATED LENGTH OF CABLE WAS PROVIDED BY CUSTOMER OR CALCULATED BY ADDING THE RAD CENTER AND THE DISTANCE FROM THE SHELTER ENTRY PLATE TO THE TOWER (ALONG THE ICE BRIDGE) AND A SAFETY FACTOR MEASUREMENT OF 15% (OF THE TWO PREVIOUS VALUES), CDS DEFER TO GREATEST CABLE LENGTH.
2. ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. IF ADEQUATE SPACE EXISTS, ROUTE CABLES THROUGH ENTRY PORT HOLE, UP INSIDE OF MONOPOLE, AND THROUGH EXIT PORT HOLE. IF ROUTING OUTSIDE THE MONOPOLE, ATTACH CABLES USING STAND-OFF ADAPTERS MOUNTED TO TOWER USING STAINLESS STEEL BANDING. ADEQUATELY SECURE CABLES USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER.



1 DETAILED SITE PLAN



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REV.	DESCRIPTION	BY	DATE
A	PRELIMINARY	ANP	4/6/22
0	CONSTRUCTION	KJG	5/12/22
1			

ATC SITE NUMBER:
284982

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T-MOBILE SITE NAME:
AMTRAK_OLDLYME4

SITE ADDRESS:
 232 SHORE ROAD
 OLD LYME, CT 06371

SEAL:

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CUSTOMER #:	CTNL803A

DETAILED SITE PLAN

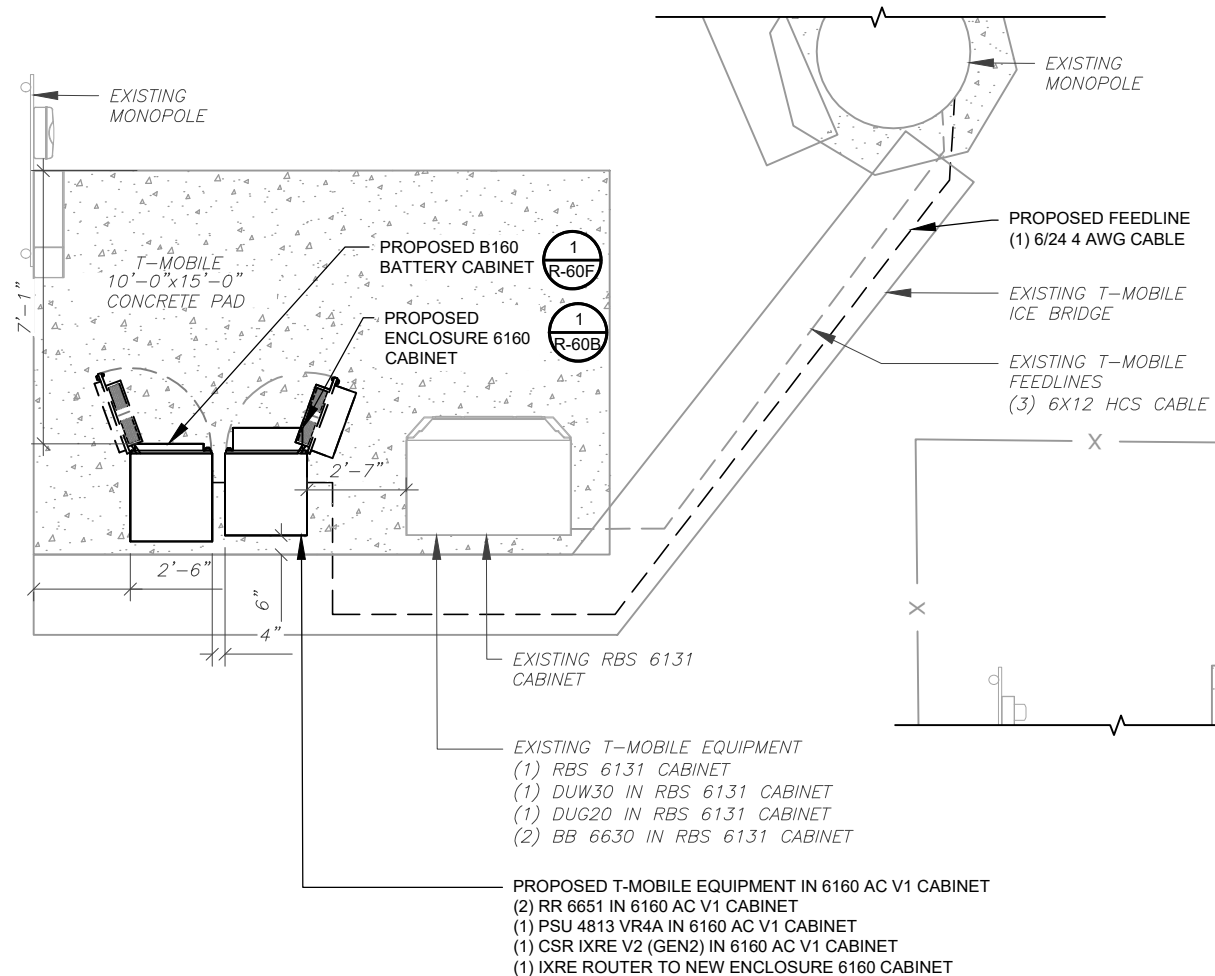
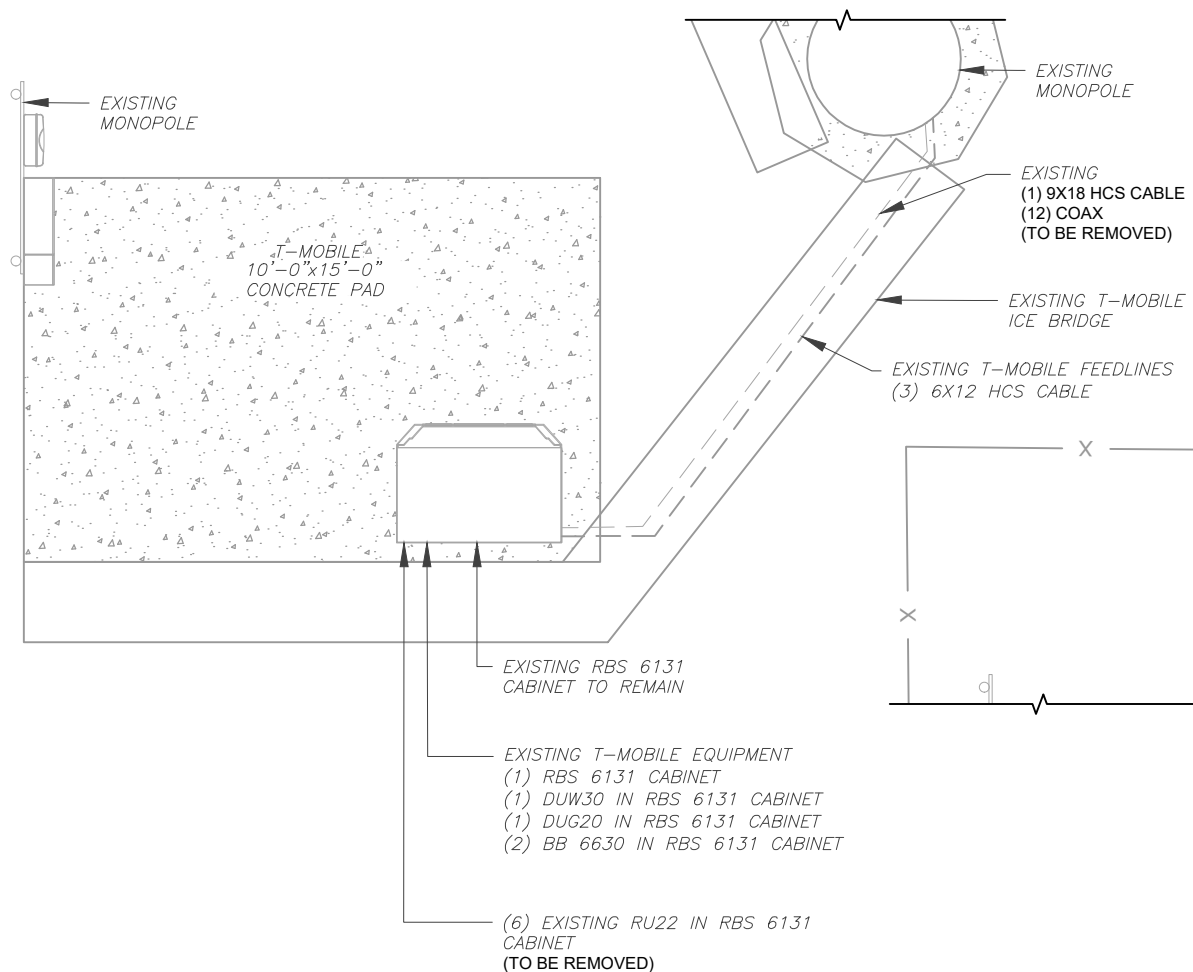
SHEET NUMBER:	REVISION:
C-101	0

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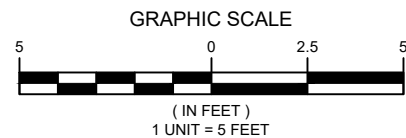
SITE PLAN NOTES:

1. CONTRACTOR TO VERIFY THERE IS NO LIVE AAV FIBER RUNNING THROUGH EXISTING DEAD EQUIPMENT. IF SO, THIS WILL NEED TO BE RERUN THROUGH CONDUIT PRIOR TO REMOVING DEAD 2G (6201 CABS) EQUIPMENT.
2. ALL OPEN PORTS NEED TO BE SEALED / WEATHERPROOFED PROPERLY
3. ALL UNNEEDED / EXCESS EQUIPMENT AND GARBAGE TO BE REMOVED FROM EQUIPMENT AREA. DISPOSE OF MATERIALS PROPERLY OFF SITE.

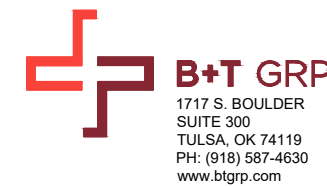
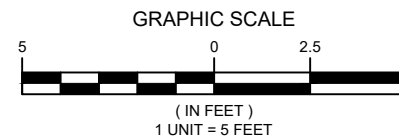
T-MOBILE CM APPROVAL REQUIRED BEFORE INSTALLING CABINETS.



1 EXISTING GROUND EQUIPMENT LAYOUT



2 PROPOSED GROUND EQUIPMENT LAYOUT



REV.	DESCRIPTION	BY	DATE
A	PRELIMINARY	ANP	4/6/22
B	CONSTRUCTION	KJG	5/12/22

ATC SITE NUMBER:
284982

ATC SITE NAME:
OLD LYME II CT

T-MOBILE SITE NAME:
AMTRAK_OLDLYME4

SITE ADDRESS:
232 SHORE ROAD
OLD LYME, CT 06371

SEAL:



MTS ENGINEERING P.L.L.C.
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Expires 3/31/23

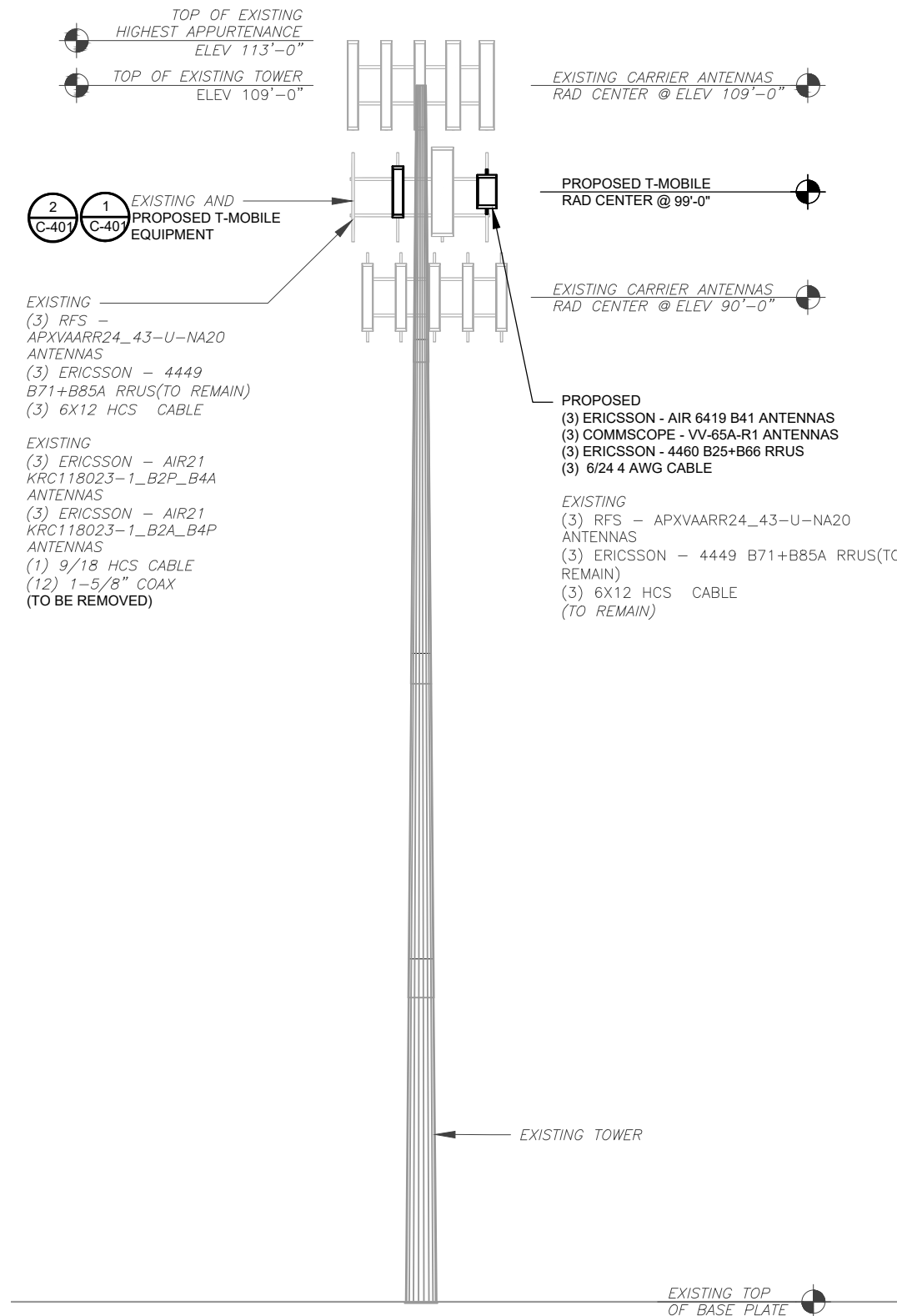


DATE DRAWN:	5/11/22
ATC JOB NO:	14049010_G3
CUSTOMER ID:	AMTRAK_OLDLYME4
CUSTOMER #:	CTNL803A

DETAILED EQUIPMENT PLAN

SHEET NUMBER:	REVISION:
C-102	0

PER MOUNT ANALYSIS COMPLETED BY POD, DATED 3/24/22, THE EXISTING MOUNT CAN ADEQUATELY SUPPORT THE PROPOSED LOADING.



EXISTING AND PROPOSED T-MOBILE EQUIPMENT

EXISTING
 (3) RFS - APXVAARR24_43-U-NA20 ANTENNAS
 (3) ERICSSON - 4449 B71+B85A RRUS(TO REMAIN)
 (3) 6X12 HCS CABLE

EXISTING
 (3) ERICSSON - AIR21 KRC118023-1_B2P_B4A ANTENNAS
 (3) ERICSSON - AIR21 KRC118023-1_B2A_B4P ANTENNAS
 (1) 9/18 HCS CABLE
 (12) 1-5/8" COAX (TO BE REMOVED)

PROPOSED
 (3) ERICSSON - AIR 6419 B41 ANTENNAS
 (3) COMMSCOPE - VV-65A-R1 ANTENNAS
 (3) ERICSSON - 4460 B25+B66 RRUS
 (3) 6/24 4 AWG CABLE

EXISTING
 (3) RFS - APXVAARR24_43-U-NA20 ANTENNAS
 (3) ERICSSON - 4449 B71+B85A RRUS(TO REMAIN)
 (3) 6X12 HCS CABLE (TO REMAIN)

1 TOWER ELEVATION
 SCALE: N.T.S.

TOWER NOTE:

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



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A	PRELIMINARY	ANP	4/6/22
0	CONSTRUCTION	KJG	5/12/22

ATC SITE NUMBER:
284982

ATC SITE NAME:
OLD LYME II CT

T-MOBILE SITE NAME:
AMTRAK_OLDLYME4

SITE ADDRESS:
 232 SHORE ROAD
 OLD LYME, CT 06371

SEAL:

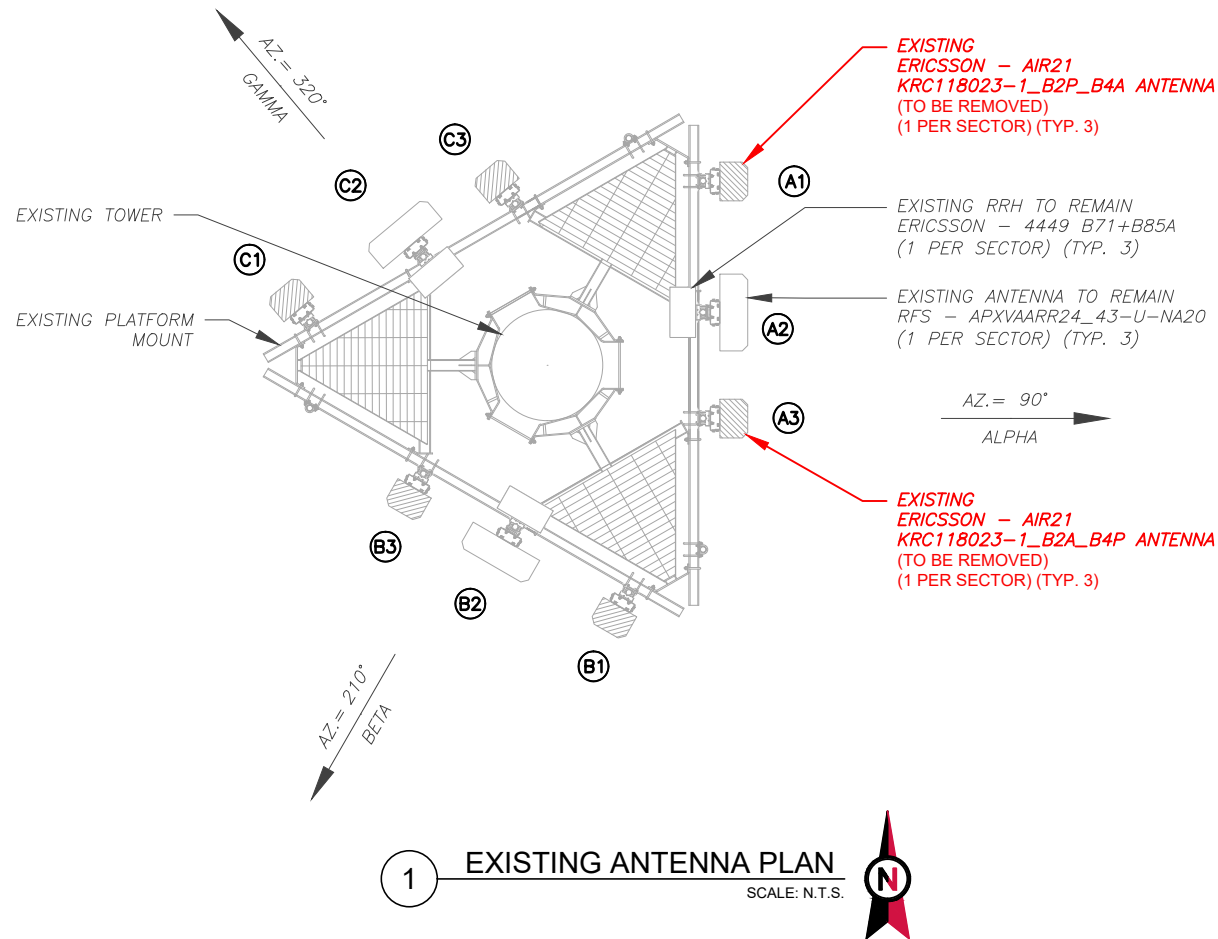
MTS ENGINEERING P.L.L.C.
 BER:2386985
 Expires 3/31/23

T-Mobile

DATE DRAWN:	5/11/22
ATC JOB NO:	14049010_G3
CUSTOMER ID:	AMTRAK_OLDLYME4
CUSTOMER #:	CTNL803A

TOWER ELEVATION	
SHEET NUMBER: C-201	REVISION: 0

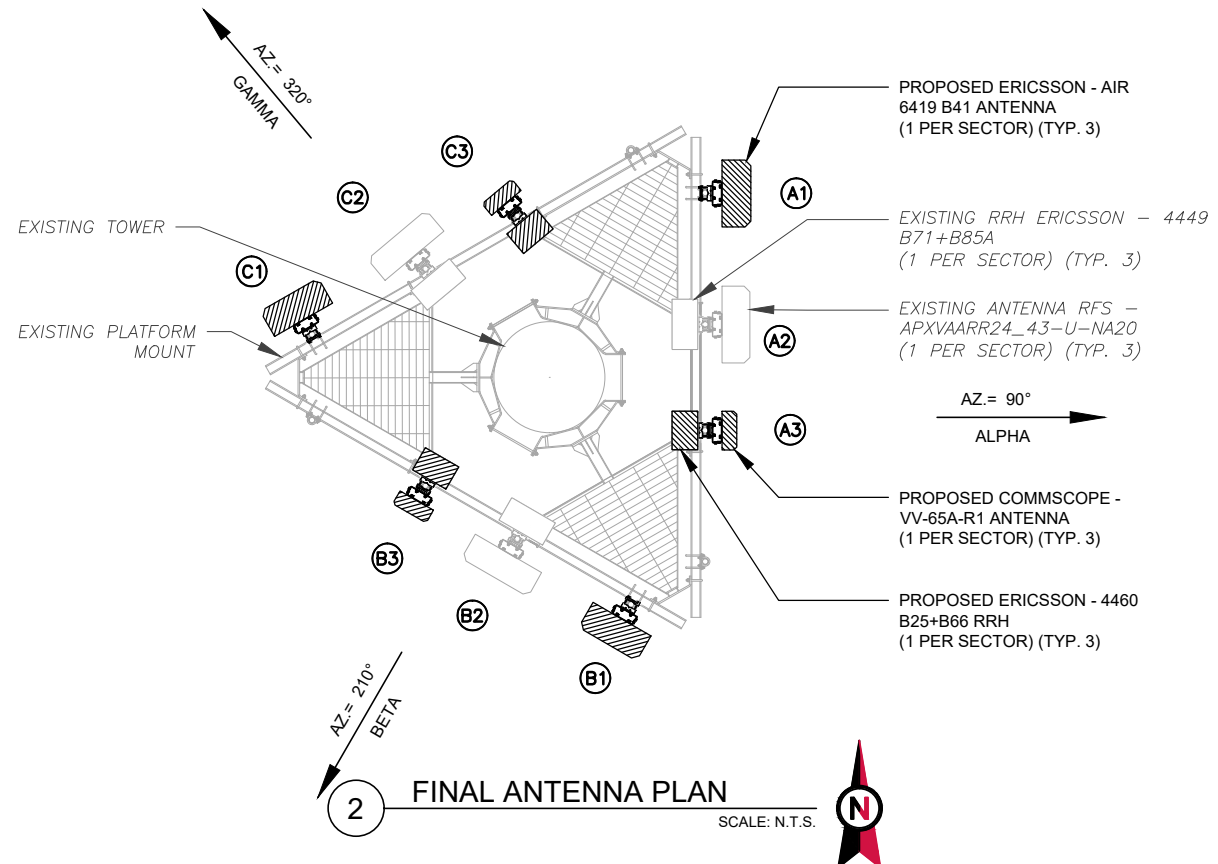
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1 EXISTING ANTENNA PLAN
SCALE: N.T.S.

PER MOUNT ANALYSIS COMPLETED BY POD, DATED 3/24/22, THE EXISTING MOUNT CAN ADEQUATELY SUPPORT THE PROPOSED LOADING.

MOUNT ANALYSIS FOR THIS PROJECT IS BEING COMPLETED IN A SEPARATE PROJECT. CONSTRUCTION IS NOT TO PROCEED UNTIL THE MOUNT ANALYSIS IS COMPLETE AND INDICATES THE ADDITIONAL LOADING DOES NOT OVERSTRESS THE MOUNT.



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

EXISTING ANTENNA SCHEDULE									
LOCATION		ANTENNA SUMMARY					NON ANTENNA SUMMARY		
SECTOR	RAD	AZ	POS	ANTENNA	BAND	MECH/ELEC D-TILT	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	99'	90°	A1	ERICSSON - AIR21 KRC118023-1_B2P_B4A	L2100	0°/2°	RMV	-	-
			A2	RFS - APXVAARR24_43-U-NA20	L700/L600/N600	0°/2°/2°	RMN	(1) ERICSSON - 4449 B71+B85A	RMN
			A3	ERICSSON - AIR21 KRC118023-1_B2A_B4P	U1900/G1900	0°/2°	RMV	-	-
BETA	99'	210°	B1	ERICSSON - AIR21 KRC118023-1_B2P_B4A	L2100	0°/0°/2°	RMV	-	-
			B2	RFS - APXVAARR24_43-U-NA20	L700/L600/N600	0°/2°/2°	RMN	(1) ERICSSON - 4449 B71+B85A	RMN
			B3	ERICSSON - AIR21 KRC118023-1_B2A_B4P	U1900/G1900	0°/2°/2°	RMV	-	-
GAMMA	99'	320°	C1	ERICSSON - AIR21 KRC118023-1_B2P_B4A	L2100	0°/0°/2°	RMV	-	-
			C2	RFS - APXVAARR24_43-U-NA20	L700/L600/N600	0°/2°/2°	RMN	(1) ERICSSON - 4449 B71+B85A	RMN
			C3	ERICSSON - AIR21 KRC118023-1_B2A_B4P	U1900/G1900	0°/2°/2°	RMV	-	-

NOTES

- CONFIRM WITH T-MOBILE REP FOR APPLICABLE UPDATES/REVISIONS AND MOST RECENT RFDS FOR NSN CONFIGURATION (CONFIG). GC TO CAP ALL UNUSED PORTS.
- CONFIRM SPACING OF PROPOSED EQUIP DOES NOT CAUSE TOWER CONFLICTS NOR IMPEDE TOWER CLIMBING PEGS.

STATUS ABBREVIATIONS

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

CABLE LENGTHS FOR JUMPERS

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

FINAL ANTENNA SCHEDULE									
LOCATION		ANTENNA SUMMARY					NON ANTENNA SUMMARY		
SECTOR	RAD	AZ	POS	ANTENNA	BAND	MECH/ELEC D-TILT	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	99'	90°	A1	ERICSSON - AIR 6419 B41	L2500/N2500	0°/2°/2°	ADD	-	-
			A2	RFS - APXVAARR24_43-U-NA20	L700/L600/N600	0°/2°/2°	RMN	(1) ERICSSON - 4449 B71+B85A	RMN
			A3	COMMSCOPE - VV-65A-R1	U1900/L2100/L1900/G1900	0°/2°/2°	ADD	(1) ERICSSON - 4460 B25+B66	ADD
BETA	99'	210°	B1	ERICSSON - AIR 6419 B41	L2500/N2500	0°/2°/2°	ADD	-	-
			B2	RFS - APXVAARR24_43-U-NA20	L700/L600/N600	0°/2°/2°	RMN	(1) ERICSSON - 4449 B71+B85A	RMN
			B3	COMMSCOPE - VV-65A-R1	U1900/L2100/L1900/G1900	0°/2°/2°	ADD	(1) ERICSSON - 4460 B25+B66	ADD
GAMMA	99'	320°	C1	ERICSSON - AIR 6419 B41	L2500/N2500	0°/2°/2°	ADD	-	-
			C2	RFS - APXVAARR24_43-U-NA20	L700/L600/N600	0°/2°/2°	RMN	(1) ERICSSON - 4449 B71+B85A	RMN
			C3	COMMSCOPE - VV-65A-R1	U1900/L2100/L1900/G1900	0°/2°/2°	ADD	(1) ERICSSON - 4460 B25+B66	ADD

EXISTING FIBER DISTRIBUTION/OVP BOX		EXISTING CABLING SUMMARY	
MODEL NUMBER	STATUS	CABLE QTY, SIZE, TYPE	STATUS
-	RMN	(12) 1-5/8" COAX	RMV
-	RMV	(1) 9x8 HCS HYBRID CABLE	RMN
-	RMV	(3) 6x12 HCS HYBRID CABLE	RMN

FINAL FIBER DISTRIBUTION / OVP BOX		FINAL CABLING SUMMARY	
MODEL NUMBER	STATUS	CABLE QTY, SIZE, TYPE	STATUS
-	RMN	(3) 6x12 HCS HYBRID CABLE	RMN
-	RMV	(2) 1-5/8" ERICSSON 6X24 4AWG	ADD

3 EQUIPMENT SCHEDULES



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SUITE 300
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REV.	DESCRIPTION	BY	DATE
A	PRELIMINARY	ANP	4/6/22
O	CONSTRUCTION	KJG	5/12/22

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284982

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SITE ADDRESS:
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OLD LYME, CT 06371

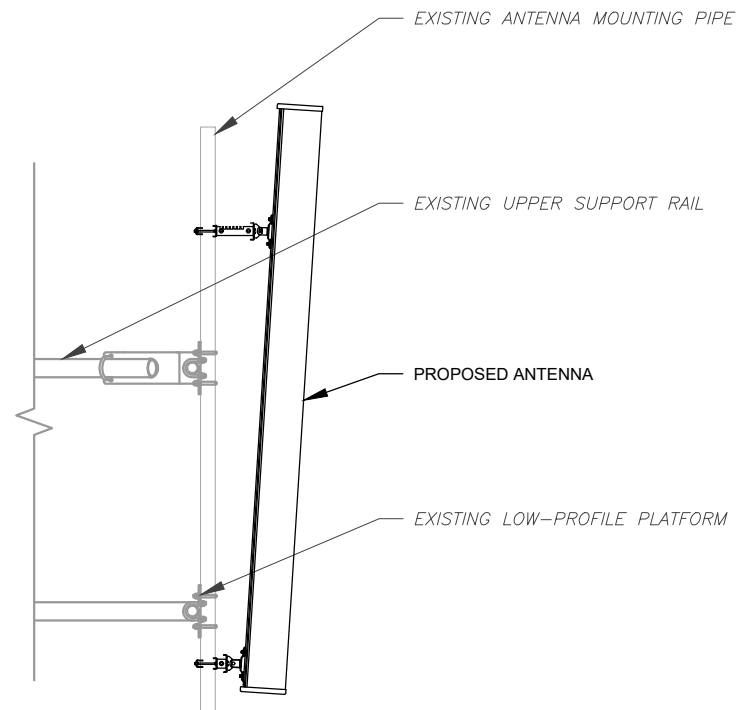
SEAL:

MTS ENGINEERING P.L.L.C.
BER:2386985
Expires 3/31/23

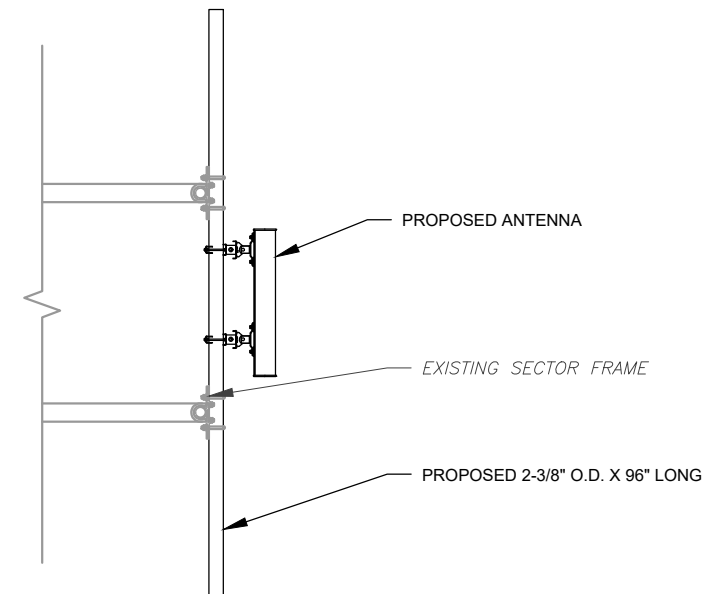
DATE DRAWN:	5/11/22
ATC JOB NO:	14049010_G3
CUSTOMER ID:	AMTRAK_OLDLYME4
CUSTOMER #:	CTNL803A

ANTENNA INFORMATION & SCHEDULE	
SHEET NUMBER:	REVISION:
C-401	0

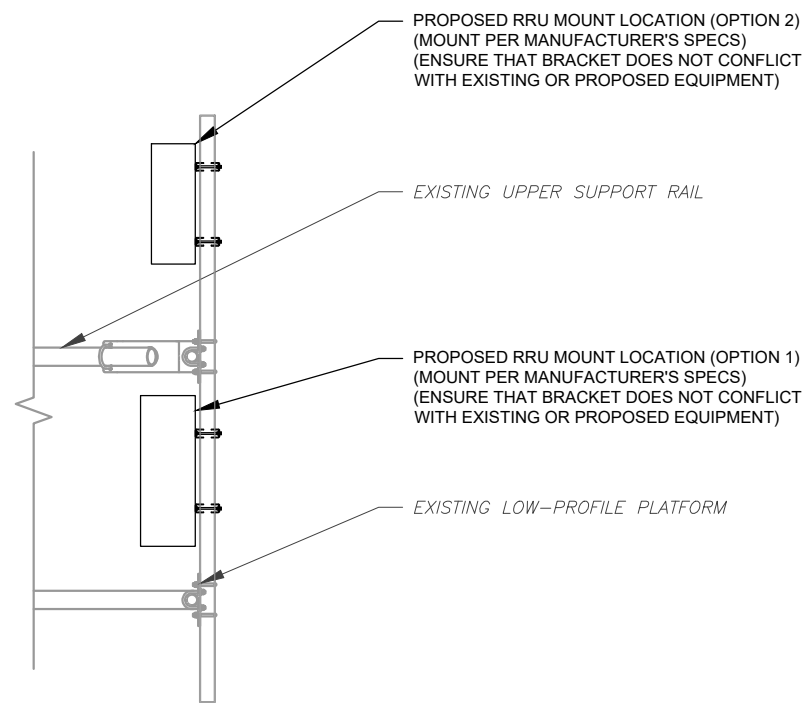
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1 PROPOSED ANTENNA MOUNTING DETAIL - TYPICAL
SCALE: NOT TO SCALE



2 PROPOSED 5G ANTENNA MOUNTING DETAIL - TYPICAL
SCALE: N.T.S.



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



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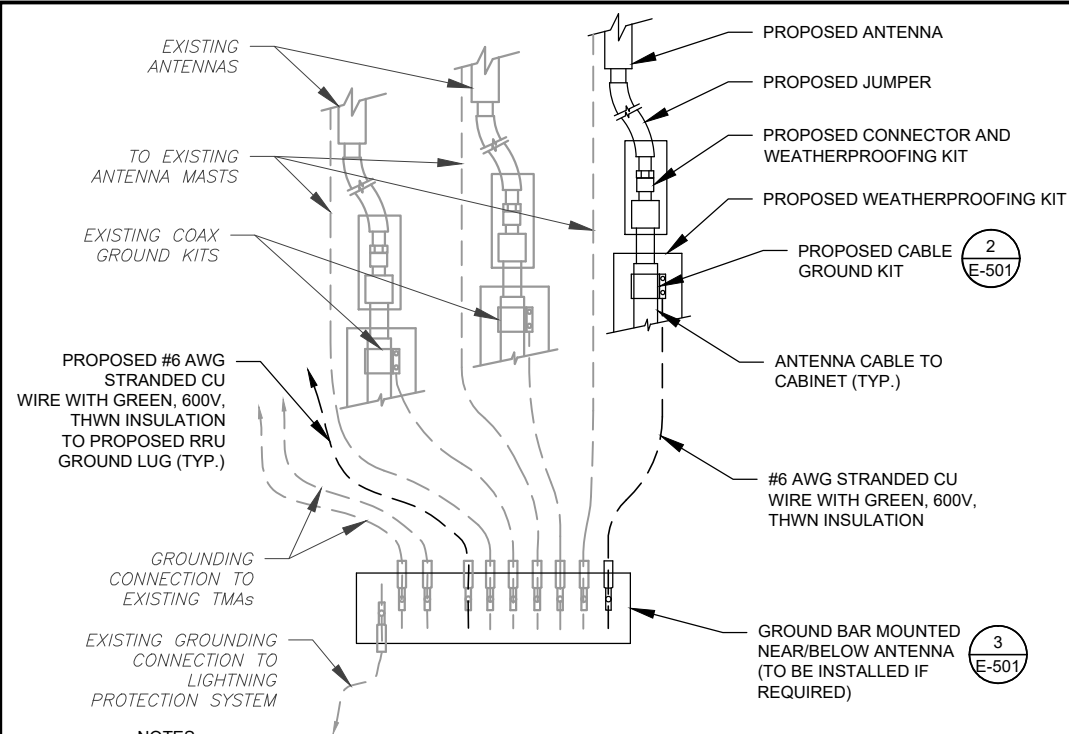
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DATE DRAWN:	5/11/22
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CUSTOMER ID:	AMTRAK_OLDLYME4
CUSTOMER #:	CTNL803A

CONSTRUCTION
DETAILS

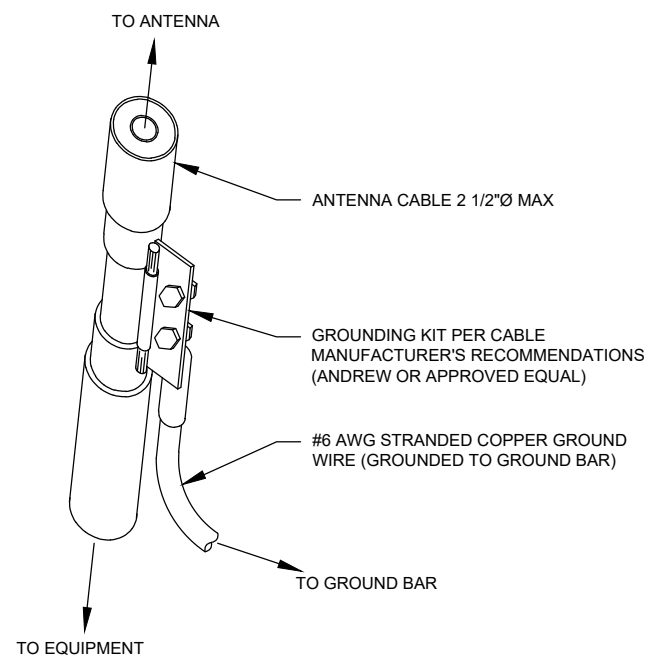
SHEET NUMBER:	REVISION:
C-501	0



NOTES:

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

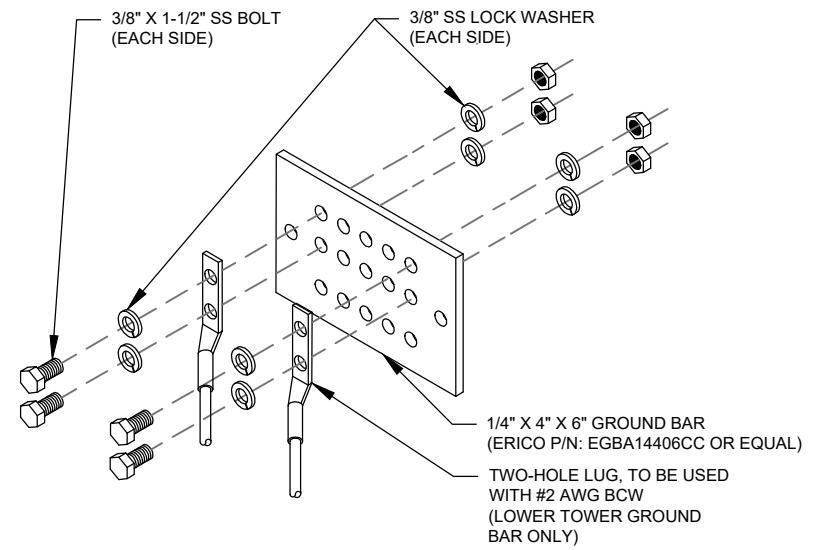
1 TYPICAL ANTENNA GROUNDING DIAGRAM
SCALE: N.T.S.



GROUND KIT NOTES:

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

2 CABLE GROUND KIT CONNECTION DETAIL
SCALE: N.T.S.



GROUND BAR NOTES:

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

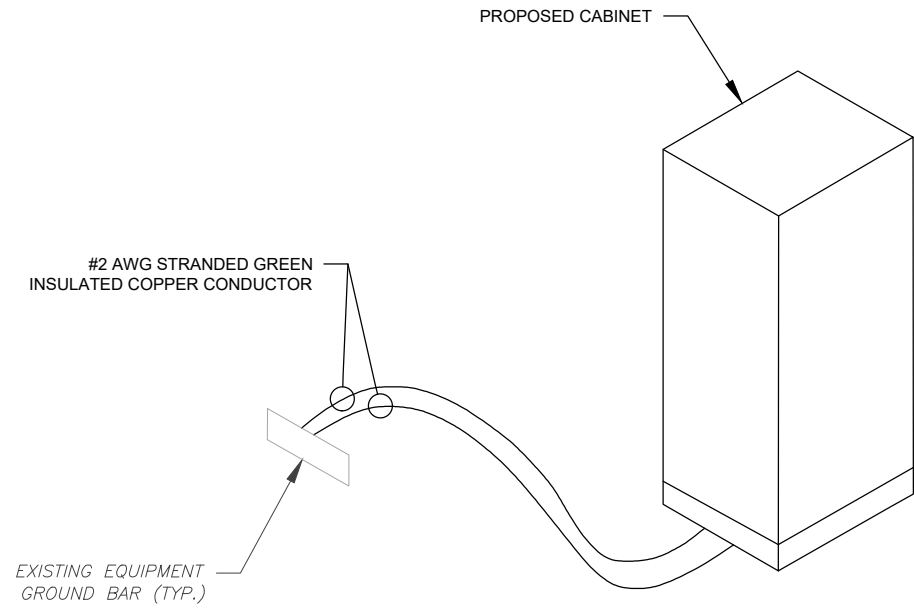
3 TOWER GROUND BAR DETAIL
SCALE: N.T.S.

ELECTRICAL NOTES:

1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE T-MOBILE REPRESENTATIVE AND LOCAL UTILITY COMPANY FOR THE INSTALLATION OF CONDUITS, CONDUCTORS, BREAKERS, DISCONNECTS, OR ANY OTHER EQUIPMENT REQUIRED FOR ELECTRICAL SERVICE. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH LATEST EDITION OF THE STATE AND NATIONAL CODES, ORDINANCES AND REGULATIONS APPLICABLE TO THIS PROJECT.
2. ATC HAS NOT VERIFIED ANY EXISTING T-MOBILE GROUND EQUIPMENT OR ELECTRICAL LOADING. PROPOSED WORK BASED ON INSTALLATION CONFIGURATION PROVIDED BY T-MOBILE. CONTRACTOR TO VERIFY EXISTING T-MOBILE PANEL HAS SUFFICIENT SPACE FOR PROPOSED BREAKER. PROPOSED CABLE AND CONDUIT SHALL BE MINIMUM SIZE PER BELOW IN CHART.
3. FOR SPECIFIC CABINET / ANCILLARY EQUIPMENT WIRING REQUIREMENTS, THE T-MOBILE CONTRACTOR SHOULD REFERENCE DESIGN DOCUMENTS PROVIDED BY T-MOBILE FOR THIS CURRENT PROJECT CONFIGURATION, IN ACCORDANCE WITH LOCAL JURISDICTION REQUIREMENTS & NEC STANDARDS & PRACTICES.

OCPD SIZE	WIRE SIZE	GROUND SIZE	CONDUIT SIZE
80A/2P	2#3 AWG	#8 AWG	1-1/4"
100/2P	2#2 AWG	#8 AWG	1-1/4"
125A/2P	2#1 AWG	#8 AWG	1-1/2"
150A/2P	2#1/0 AWG	#8 AWG	1-1/2"

4 ELECTRICAL NOTES



5 CABINET GROUNDING DETAIL
SCALE: N.T.S.



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

REV.	DESCRIPTION	BY	DATE
A	PRELIMINARY	ANP	4/6/22
0	CONSTRUCTION	KJG	5/12/22

ATC SITE NUMBER:
284982

ATC SITE NAME:
OLD LYME II CT

T-MOBILE SITE NAME:
AMTRAK_OLDLYME4

SITE ADDRESS:
232 SHORE ROAD
OLD LYME, CT 06371

SEAL:

MTS ENGINEERING P.L.L.C.
BER: 2386985
Expires 3/31/23



DATE DRAWN:	5/11/22
ATC JOB NO:	14049010_G3
CUSTOMER ID:	AMTRAK_OLDLYME4
CUSTOMER #:	CTNL803A

GROUNDING DETAILS

SHEET NUMBER:	REVISION:
E-501	0

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REV.	DESCRIPTION	BY	DATE
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ATC SITE NUMBER:
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SITE ADDRESS:
232 SHORE ROAD
OLD LYME, CT 06371

SEAL:



MTS ENGINEERING P.L.L.C.
 BER: 2386985
 Expires 3/31/23



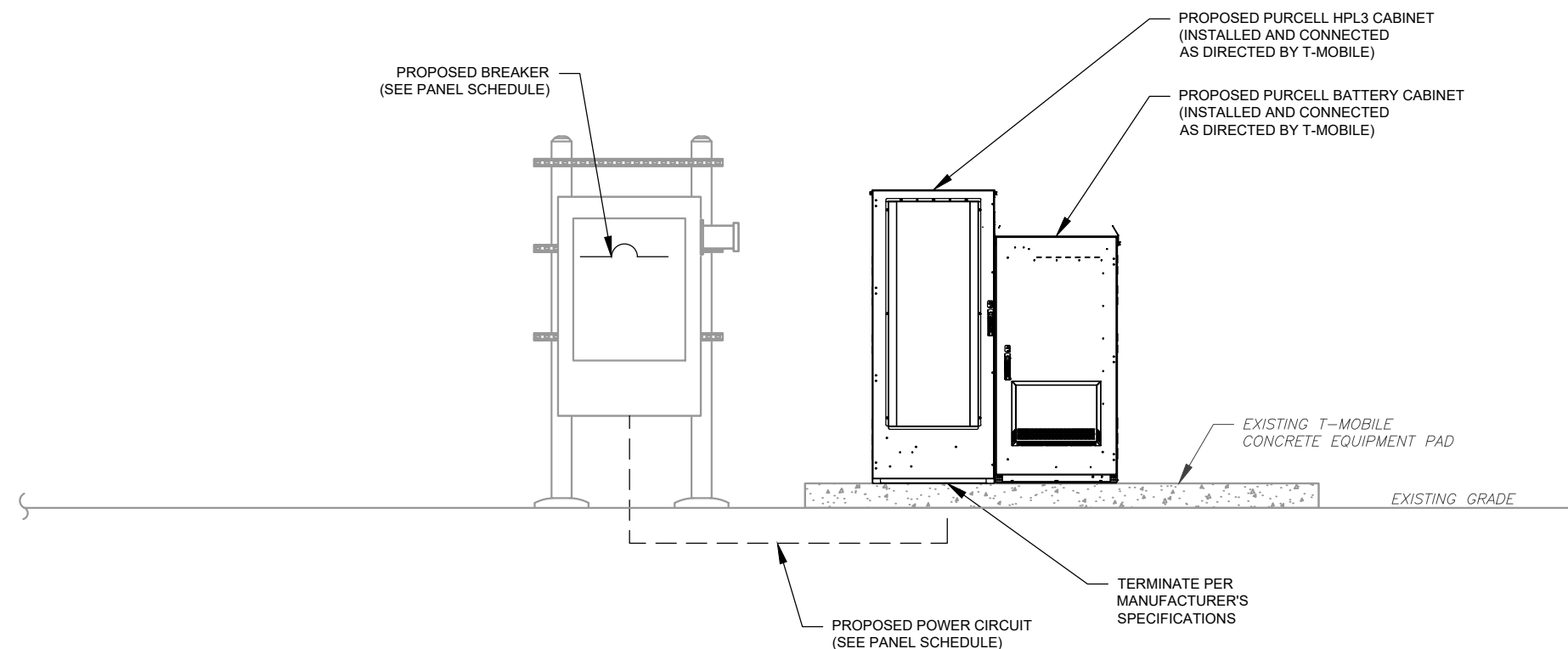
DATE DRAWN:	5/11/22
ATC JOB NO:	14049010_G3
CUSTOMER ID:	AMTRAK_OLDLYME4
CUSTOMER #:	CTNL803A

**PANEL SCHEDULE &
ELECTRICAL
SCHEMATIC**

SHEET NUMBER: E-601	REVISION: 0
-------------------------------	-----------------------

ELECTRICAL NOTES:

- THIS DIAGRAM REPRESENTS THE BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF THIS DESIGN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION AND VERIFY ALL EXISTING CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE T-MOBILE REPRESENTATIVE AND LOCAL UTILITY COMPANY FOR THE INSTALLATION OF CONDUITS, CONDUCTORS, BREAKERS, DISCONNECTS, OR ANY OTHER EQUIPMENT REQUIRED FOR ELECTRICAL SERVICE. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH LATEST EDITION OF THE STATE AND NATIONAL CODES, ORDINANCES AND REGULATIONS APPLICABLE TO THIS PROJECT.
- ATC HAS NOT YET VERIFIED ANY EXISTING T-MOBILE GROUND EQUIPMENT OR ELECTRICAL LOADING. PROPOSED WORK BASED ON INSTALLATION CONFIGURATION PROVIDED BY T-MOBILE. CONTRACTOR TO VERIFY EXISTING T-MOBILE PANEL HAS SUFFICIENT SPACE FOR PROPOSED BREAKER.



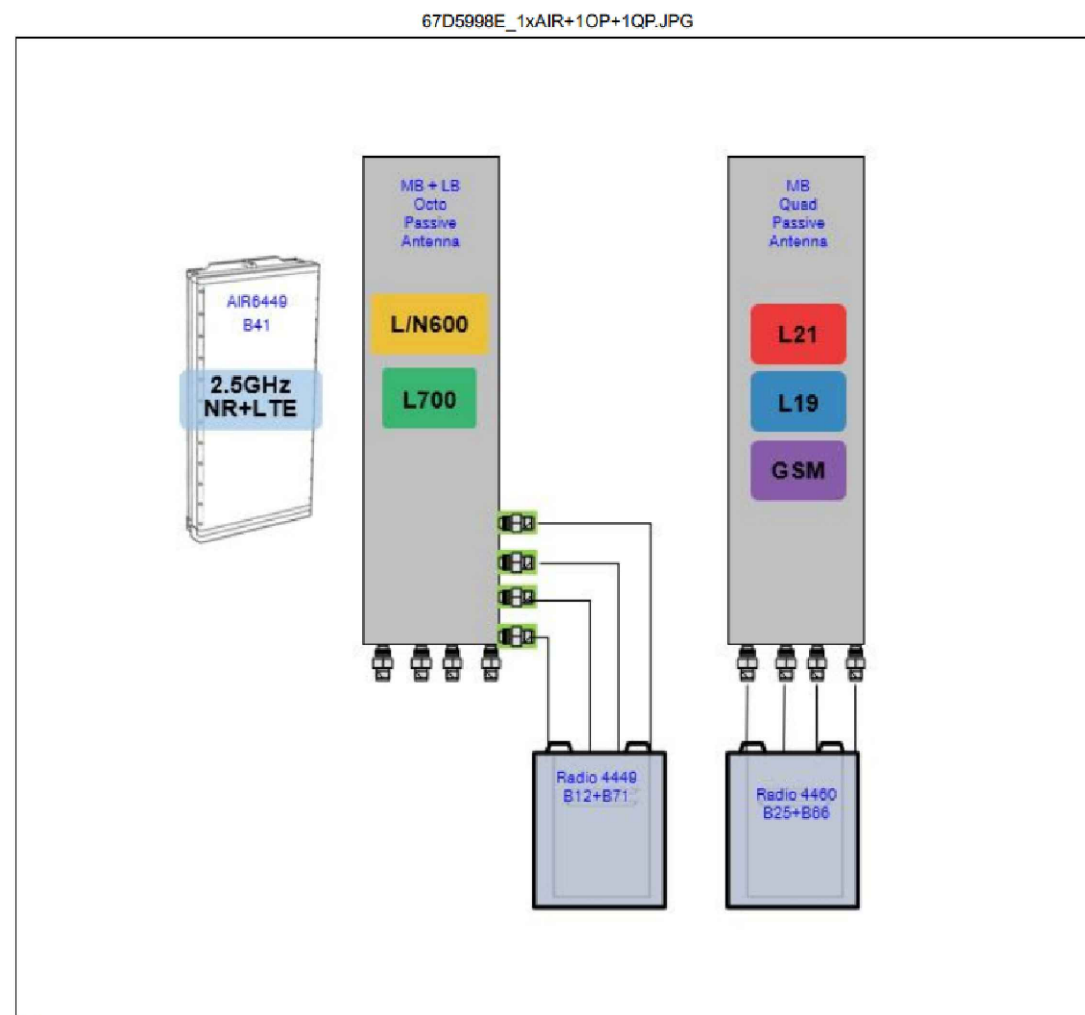
1 ELECTRICAL SCHEMATIC

SCALE: N.T.S.

Proposed RAN Equipment			
Template: 67D5D998E 6160			
Enclosure	1	2	3
Enclosure Type	Enclosure 6160 AC V1	B160	RBS 6131
Baseband	RP 6651 L2500 N2500		DUW30 U1900 DUG20 G1900 BB 6630 L2100 L1900 BB 6630 L700 L600 N600
Hybrid Cable System	PSU 4813 vR4A (Kit) Ericsson Hybrid Trunk 8/24 4AWG 50m (x 2)		Ericsson 6x12 HCS *Select Length & AWG* (x 3)
Transport System	CSR IXRe V2 (Gen2)		
RAN Scope of Work:			
<p>Remove and return all cabinet radios from existing base station cabinet.</p> <p>Add (1) Enclosure 6160.</p> <p>Add (1) IXRe Router to new Enclosure 6160.</p> <p>Add (1) RP 6651 for N2500 to new Enclosure 6160.</p> <p>Add (1) RP 6651 for L2500 to new Enclosure 6160.</p> <p>Add (1) PSU4813 Voltage Booster to new Enclosure 6160.</p> <p>Add (1) Battery Cabinet B160.</p> <p>Existing : (3) 6x12, (1) 9x18</p> <p>Remove all Coax, Remove (1) 9x18</p> <p>Add (2) 6X24 HCS terminating at the Enclosure 6160. Connect DC for the AIR6419 B41 to the PSU4813 Voltage Booster.</p>			

1 CABINET CONFIGURATION

Section 3 - Proposed Template Images



2 ANTENNA CONFIGURATION

SUPPLEMENTAL

SHEET NUMBER: R-601
REVISION: -

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

STANDARD CONDUIT USE TABLE

CONDUIT TYPE	USE CASE	LOCATION	USE CASE EXAMPLE
RMC (METALLIC)	AC, DC COMM	ABOVE GROUND	ABOVE GROUND PPC TO SSC
PVC	AC POWER	UNDERGROUND	UNDERGROUND PPC TO SSC OR BACKHAUL TRANSPORT HUB TO SSC
LFMC	AC, DC, COMM	MAX 6' PER CONDUIT RUN, ABOVE GROUND ONLY	TIGHT LOCATIONS BETWEEN HUB AND CONDUIT BUT NOT TO BE USED WHERE IT CAN BE STEPPED ON
EMT	INDOOR AC, DC COMM	INDOOR NOT EXPOSED TO THE OUTDOOR ENVIRONMENT (MUST BE DRY)	CIRCUIT PANEL TO JUNCTION BOX
LFNC	GROUND WIRE	CONCEALING AND PROTECTING BTCW RISERS ONLY	GROUND RING TO MGB OR SSC

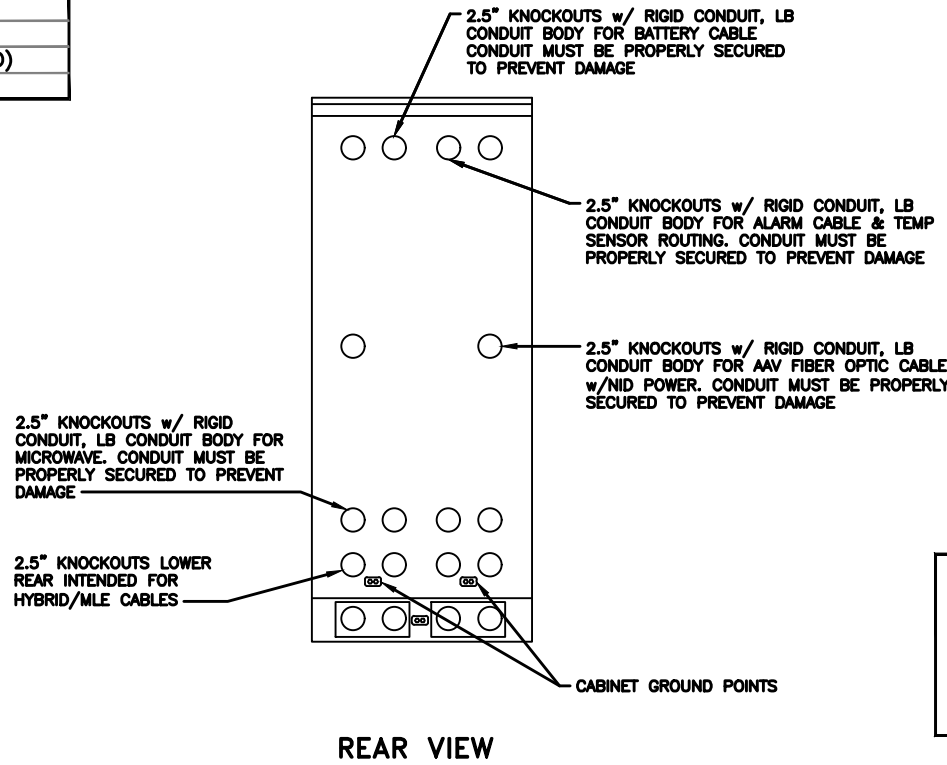
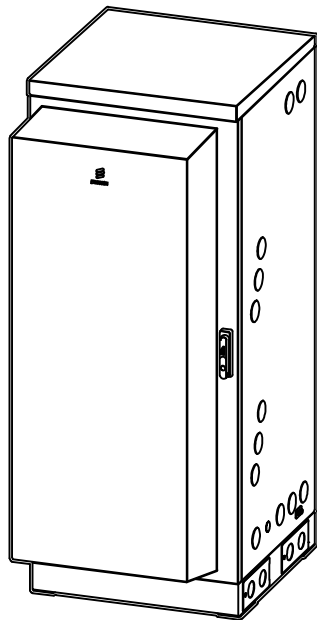
EXCEPTION CONDUIT USE TABLE

CONDUIT TYPE	USE CASE	LOCATION	USE CASE EXAMPLE
EMT (NOT PREFERRED)	OUTDOOR DC, COMM	OUTDOOR WHEN USED WITH WATERTIGHT HUBS ONLY	BETWEEN EQUIPMENT AND BATTERY CABINET OR EQUIPMENT TO EQUIPMENT CABINETS FOR INTER CABINET CONNECTION
RMC NONMETALLIC (ALUMINUM)	OUTDOOR/INDOOR PER NEC GUIDLINES	ABOVE GROUND	MAT BE USED AS A LOWER COST ALTERNATIVE TO METALLIC RMC, MUST MEET OR EXCEED FEDERAL SPEC: WW-C-540C, UL-6A, ANSI C80.5, NEC 344.10 (A) ALLOWS THE USE OF EITHER ALUMINUM OR GALVANIZED FITTINGS

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

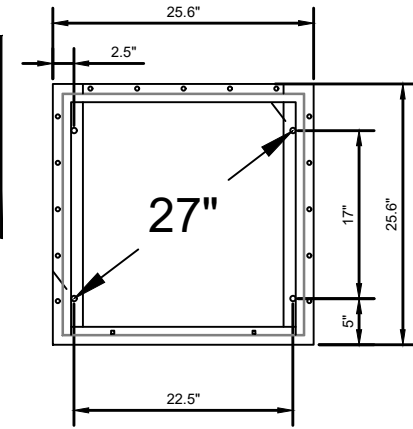
SUPPLEMENTAL	
SHEET NUMBER: R-602	REVISION: -

MANUFACTURER:	ERICSSON
MODEL:	6160 SITE SUPPORT CABINET
DIMENSIONS:	63" x 25.6" x 33.6" (H x W x D)
WEIGHT:	373 LBS



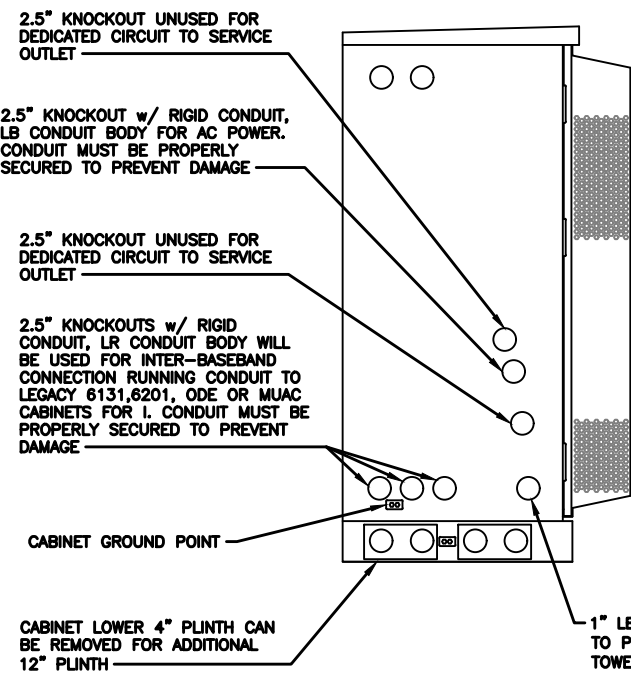
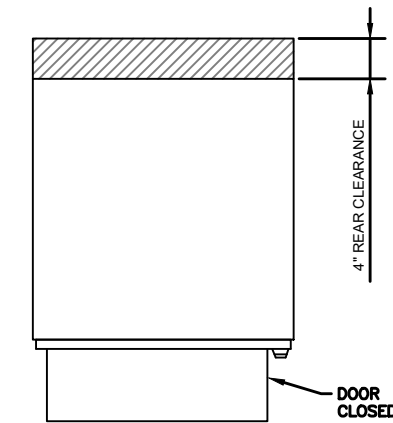
NOTE:

- CORRECT KNOCKOUT TOOL REQUIRED FOR PUNCHING KNOCKOUTS. DO NOT DRILL THROUGH KNOCKOUTS
- CONDUIT MUST BE PROPERLY SECURED TO PREVENT DAMAGE TO CABINETS AND OR CABLING

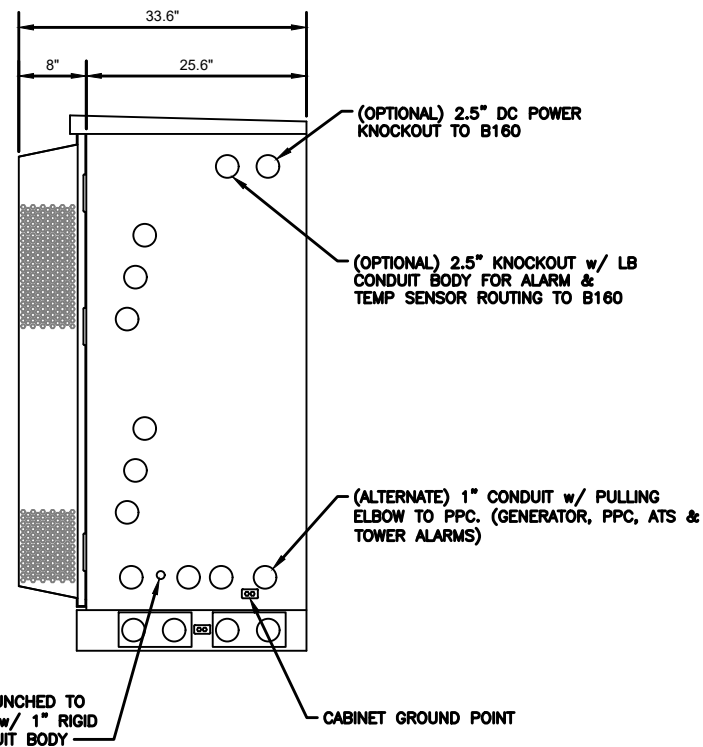
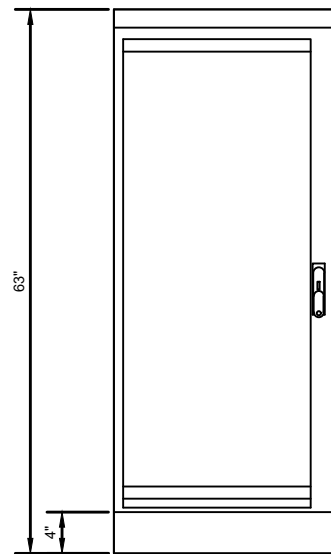


GROUNDING NOTE:

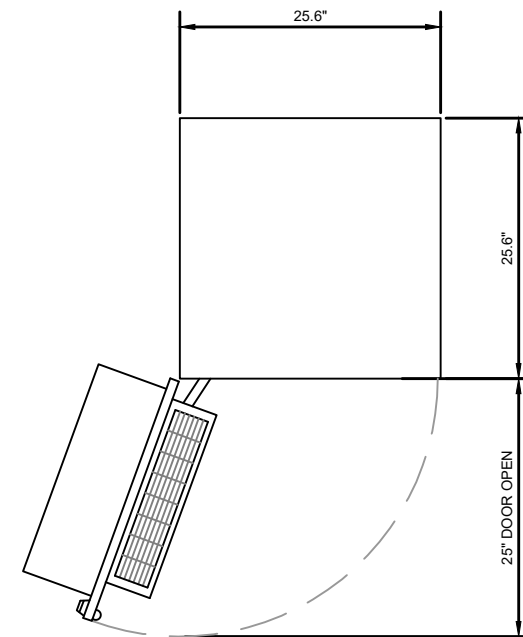
"CABINET GROUNDING TO USE A SINGLE, #2 BTCW CONDUCTOR, W/ 2-HOLE, 1" C-C, LONG BARREL, WINDOW LUG, IN 3/4" LFNC TO GROUND RING. PLINTH GROUNDING IS NOT REQUIRED."



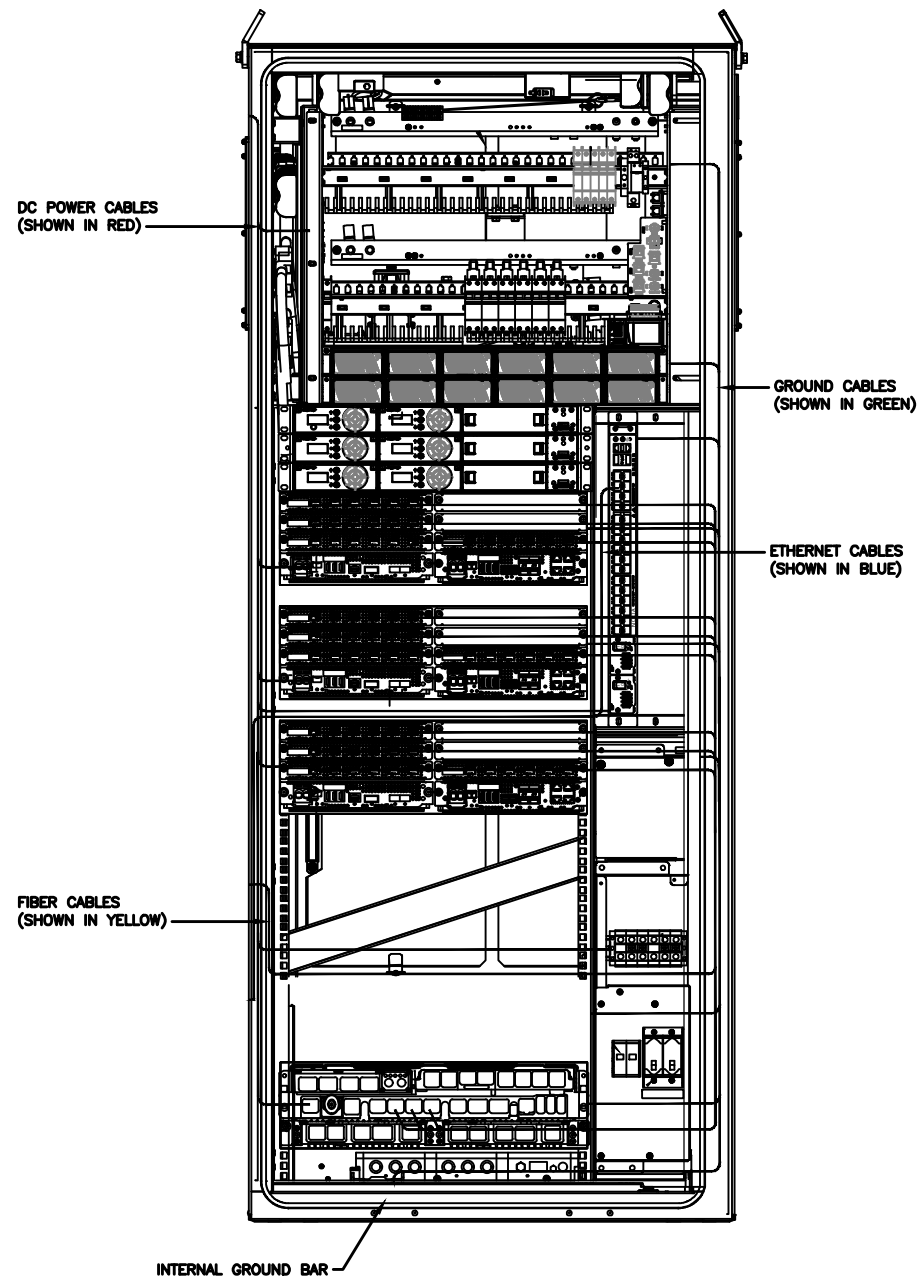
LEFT VIEW



RIGHT VIEW

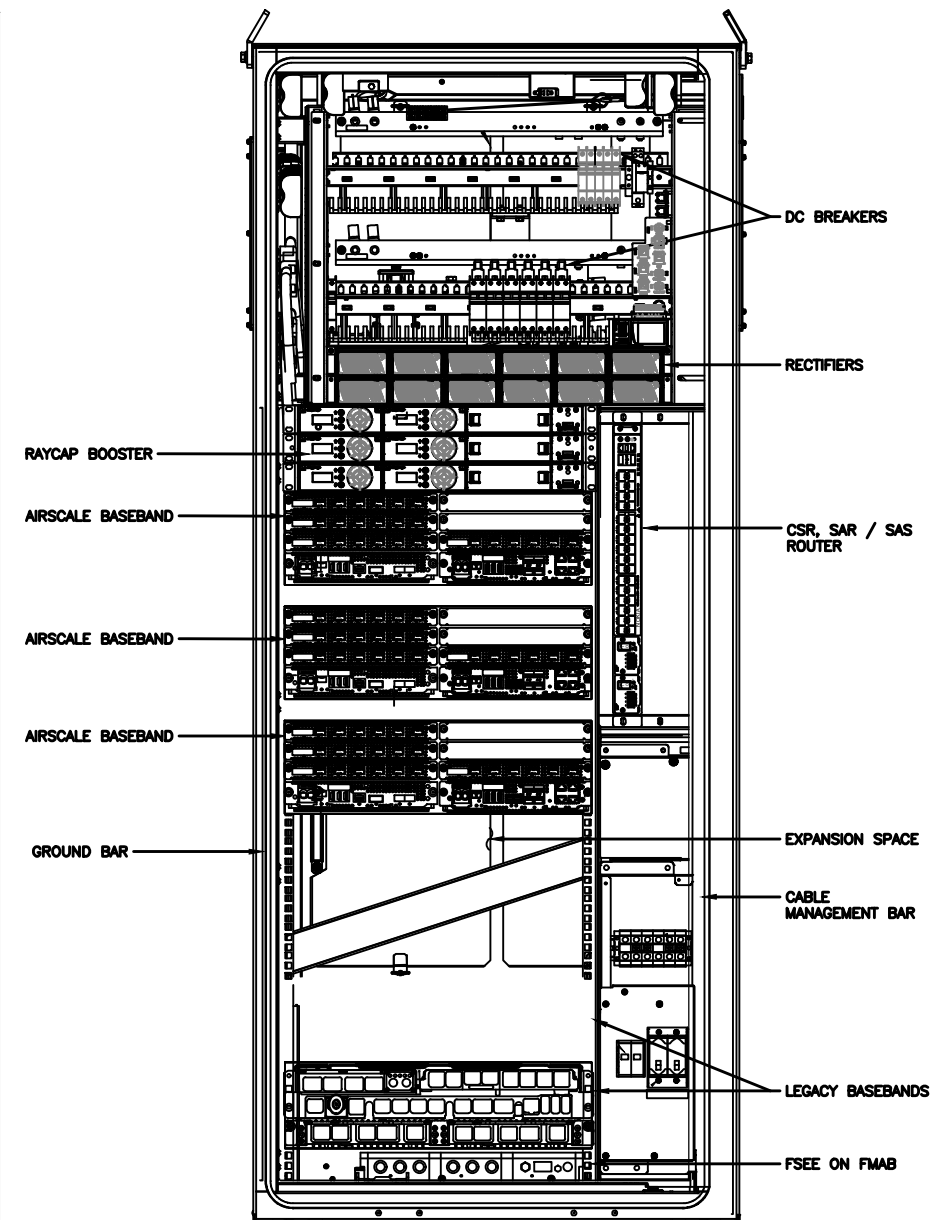


SUPPLEMENTAL	
SHEET NUMBER: R-603	REVISION: -

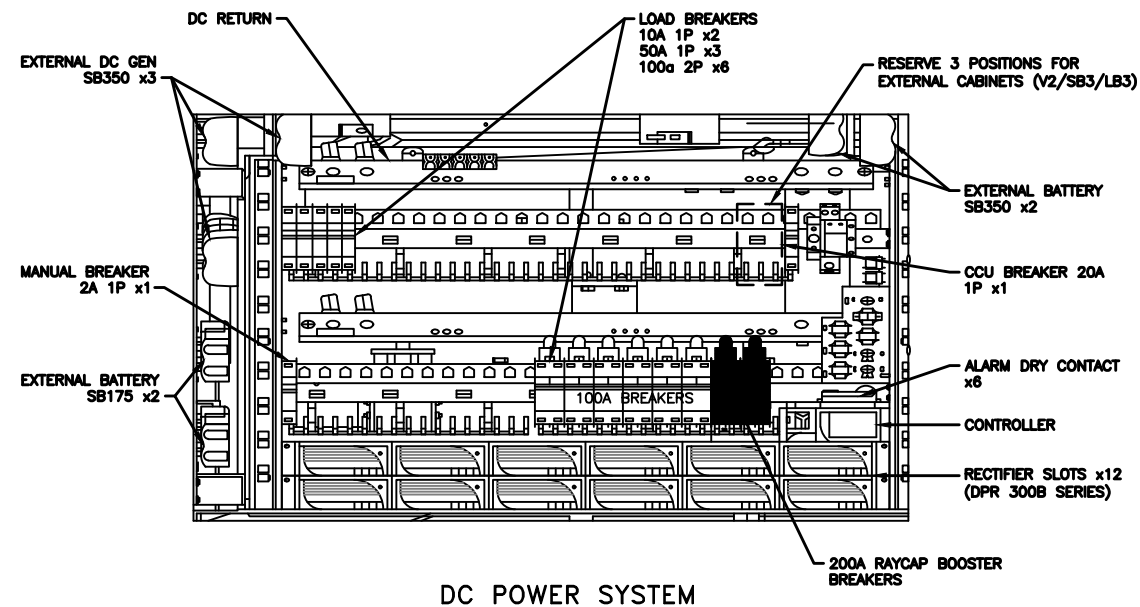


INTERNAL ROUTING
(DOOR OPEN)

RACK ASSIGNMENTS				
RU SLOTS	DESCRIPTION	1	2	3
1	VOLTAGE BOOSTER			
2	VOLTAGE BOOSTER			
3	VOLTAGE BOOSTER			
4	AIRSCALE #1	ixRE/CSR	BLANK	IDU / AAV
5				
6				
7	FIBER MANAGEMENT			
8	AIRSCALE #2			
9				
10	FIBER MANAGEMENT			
11	AIRSCALE #3			
12				
13				
14	FIBER MANAGEMENT			
15	FUTURE EQUIPMENT			
16				
17				
18				
19				
20				
21	LAGACY BB #1			
22				
23				
24				
25	FSEE ON FMAB			
26				
27				

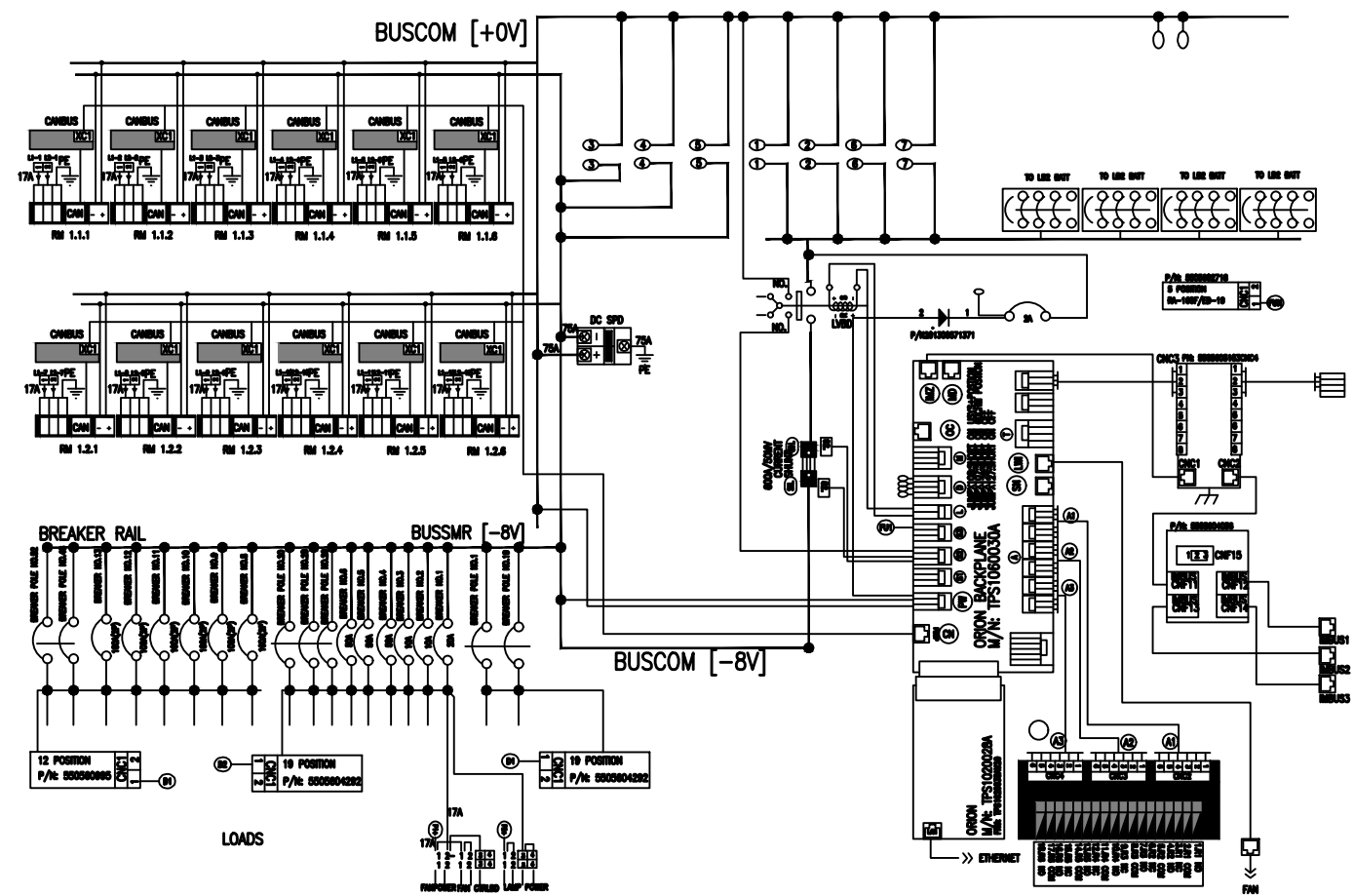


FRONT VIEW
(DOOR OPEN)



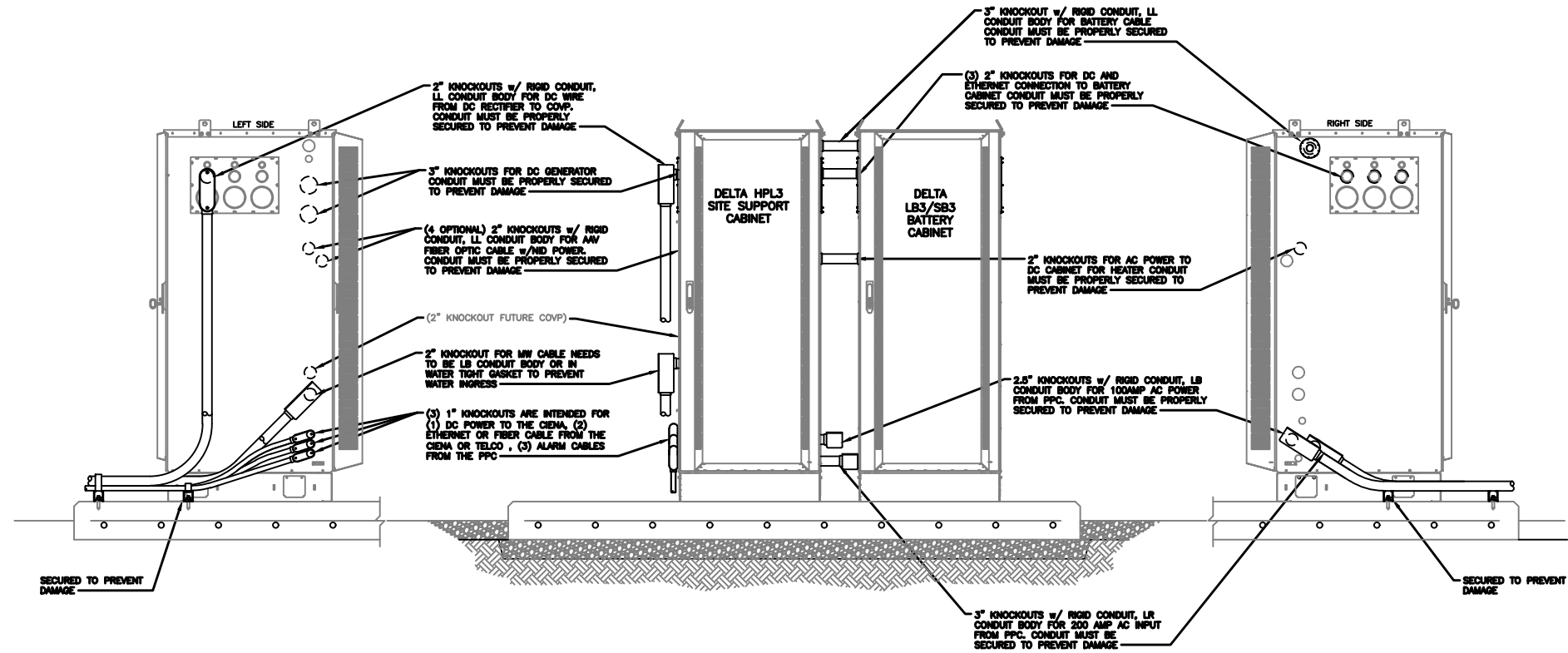
LOWER DISTRIBUTION SHELF			
CB SLOT	NON-BOOSTED		NON-BOOSTED
	USAGE	BREAKER	
1	LVD	2A	LVD
2		UNUSED	
3		UNUSED	
4		UNUSED	
5		UNUSED	
6		UNUSED	
7		UNUSED	
8		UNUSED	
9		UNUSED	
10		UNUSED	
11		UNUSED	
12		UNUSED	
13		UNUSED	
14		UNUSED	
15		UNUSED	
16		UNUSED	
17		UNUSED	
18		100A	HYBRID #1 (sp. HCS 1.0)
19		100A	HYBRID #2 (sp. HCS 1.0)
20		100A	HYBRID #3 (sp. HCS 1.0)
21		RESERVED	EMPTY
22		300	HYBRID #4 (sp. HCS 1.0)
23		EMPTY	
24		RESERVED	EMPTY
25		RESERVED	EMPTY
26		300	HYBRID #5 (sp. HCS 1.0)
27		EMPTY	
28		RESERVED	EMPTY
29		RESERVED	EMPTY
30			
31			
32			
33			
34			
35			

UPPER DISTRIBUTION SHELF			
CB SLOT	NON-BOOSTED		NON-BOOSTED
	USAGE	BREAKER	
1		2A	LVD
2		25A	
3		25A	BASERND #1
4		25A	
5		25A	BASERND #2
6		25A	
7		25A	BASERND #3
8		25A	
9		25A	BASERND #4
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27		10A	DR-a PBU1
28		10A	DR-a PBU2
29		10A	AV
30			
31			
32			
33			
34			
35			



NOTE:

1. ALL CONDUIT AND FITTING ENTRANCES INTO CABINETS AND ENCLOSURES MUST UTILIZE MYERS OR EQUIVALENT HUBS OR SEALING WASHERS TO PREVENT WATER ENTRY/SEEPAGE INTO CABINETS AND ENCLOSURES.
2. (LIQUIDFLEX) FLEXIBLE METALLIC CONDUIT (LFMC) & ASSOCIATED FITTINGS CAN BE USED AS NEEDED BUT ONLY FOR TIGHT CONDUIT BENDS AND RUNS SUBJECT TO UL AND NEC LIMITATIONS. 6' MAX PER CONDUIT RUN.
3. POWER CONDUIT BODY ATTACHED WITH SHORT NIPPLE AND SEALING WASHER INSIDE & OUT. (FOR DOOR HOOD CLEARANCE)
4. PULLING ELBOWS MAY BE USED IN LIEU OF A CONDUIT BODIES WHEN CLEARANCE IS LIMITED.
5. (DO NOT USE CHASE NIPPLES) CONDUIT SHOULD HAVE SEALING WASHERS INSIDE AND OUT w/ LOCK NUT AND CAP.

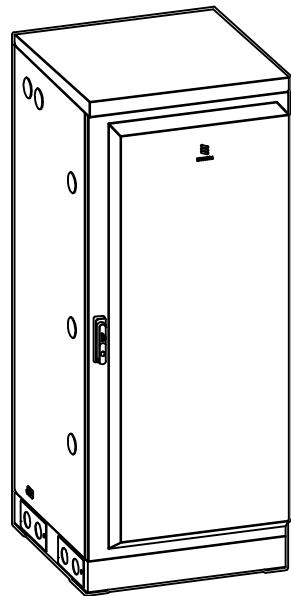


1 DELTA HPL3 CONDUIT ROUTING CONFIGURATION
SCALE: N.T.S.

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

SUPPLEMENTAL	
SHEET NUMBER: R-606	REVISION: -

MANUFACTURER:	ERICSSON
MODEL:	B160 BATTERY CABINET
DIMENSIONS:	63" x 25.6" x 29.5" (H x W x D)
WEIGHT:	295 LBS (WITHOUT BATTERIES)



2.5" KNOCKOUTS w/ RIGID CONDUIT, LB CONDUIT BODY FOR ALARM CABLE & TEMP SENSOR ROUTING. CONDUIT MUST BE PROPERLY SECURED TO PREVENT DAMAGE

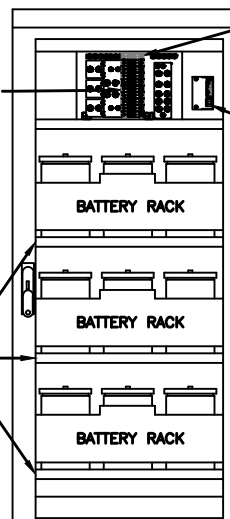
CABINET GROUND POINTS

REAR VIEW

2.5" KNOCKOUTS w/ RIGID CONDUIT, LB CONDUIT BODY FOR BATTERY CABLE CONDUIT MUST BE PROPERLY SECURED TO PREVENT DAMAGE

3 x 300A BREAKERS

BATTERY VIBRATION MOUNTS



FRONT VIEW (DOOR OPEN)

25A AUX BREAKERS, FANS, LIGHTS, ETC.

ALARM BOX, PRELABELED

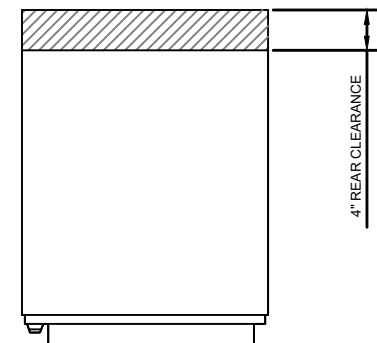
BATTERY RACK

BATTERY RACK

BATTERY RACK

3X BATTERY SHELVES, UP TO 200A HR, w/ PREINSTALLED HEATERS

NOTE:
 • CORRECT KNOCKOUT TOOL REQUIRED FOR PUNCHING KNOCKOUTS. DO NOT DRILL THROUGH KNOCKOUTS
 • CONDUIT MUST BE PROPERLY SECURED TO PREVENT DAMAGE TO CABINETS AND OR CABLING

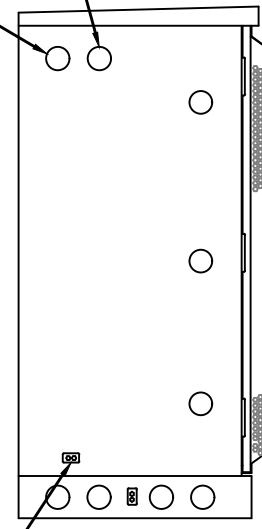


4" REAR CLEARANCE

GROUNDING NOTE:
 "CABINET GROUNDING TO USE A SINGLE, #2 BTCW CONDUCTOR, W/ 2-HOLE, 1" C-C, LONG BARREL, WINDOW LUG, IN 3/4" LFNC TO GROUND RING. PLINTH GROUNDING IS NOT REQUIRED."

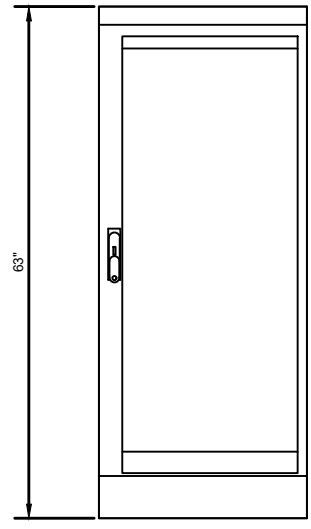
(OPTIONAL) 2.5" KNOCKOUTS FOR ALARM & TEMP SENSOR ROUTING TO 6160

(OPTIONAL) 2.5" DC POWER KNOCKOUTS TO 6160

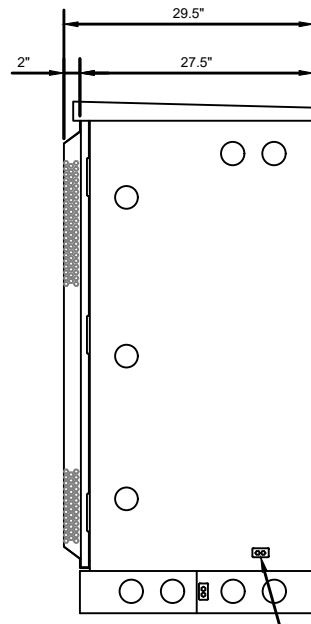


CABINET GROUND POINT

LEFT VIEW

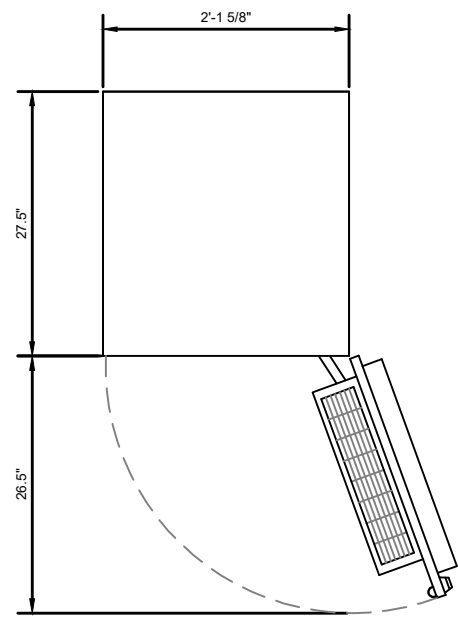


FRONT VIEW



RIGHT VIEW

CABINET GROUND POINT



PLAN VIEW

B160 ERICSSON SITE SUPPORT BATTERY CABINET

SUPPLEMENTAL	
SHEET NUMBER: R-607	REVISION: -



This report was prepared for American Tower Corporation by



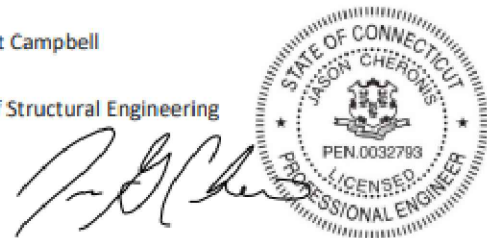
Eng. Number 14049010_C8_01
March 24, 2022
Page 1

Antenna Mount Analysis Report

ATC Site Name : OLD LYME II CT
ATC Site Number : 284982
Engineering Number : 14049010_C8_01
Mount Elevation : 99.5 ft
Carrier : T-MOBILE
Carrier Site Name : Amtrak_OldLyme4
Carrier Site Number : CTNL803A
Site Location : 232 Shore Road
 Old Lyme, CT 06371
 41.29183013, -72.28693327

County : New London
Date : March 24, 2022
Max Usage : 48%
Result : Pass

Prepared By: Cait Campbell
Jason Cheronis
Vice President of Structural Engineering



3/24/22

POD GROUP - 1033 E. Turkeyfoot Lake Road, Suite 206 - Akron, OH 44312 - 330-961-7432 - www.podgrp.com

Introduction

The purpose of this report is to summarize results of the antenna mount analysis performed for T-Mobile at 99.0 ft.

Supporting Documents

Spec. Sheet	Spec Sheet for Perfect Vision Part #: PV-LPPGS-12M-HR2-AP1, dated July 15, 2020
RFDS	RFDS dated February 25, 2022
Photos	Site photos from 2021
Structural Analysis	TEP Engineering #: 13728751_C3_01, dated September 20, 2021

Analysis

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

Basic Wind Speed:	126 mph, Vult (3-Second Gust)
Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ 1" Radial Ice (Escalating)
Codes:	TIA-222-H
Structure Class:	II
Exposure Category:	C
Topographic Factor Procedure:	Method 2
Topographic Feature:	Flat
Crest Height:	0 ft
Spectral Response:	S _s = 0.197, S _i = 0.053
Site Class:	D (assumed)
Live Loads:	L _m = 500 lbs, L _v = 250 lbs

Conclusion

Based on the analysis results, the antenna mount meets the requirements per the applicable codes listed above. The mount can support the equipment as described in this report.

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

POD GROUP - 1033 E. Turkeyfoot Lake Road, Suite 206 - Akron, OH 44312 - 330-961-7432 - www.podgrp.com

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

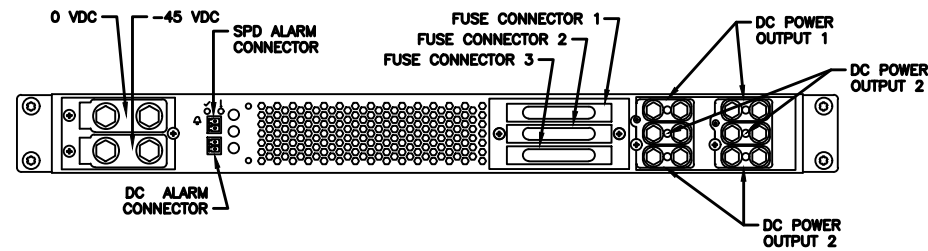
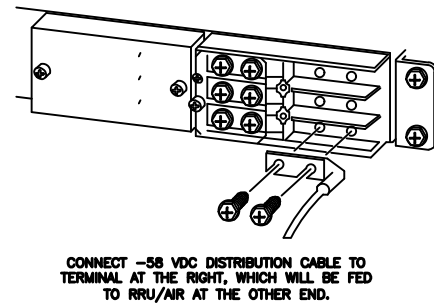
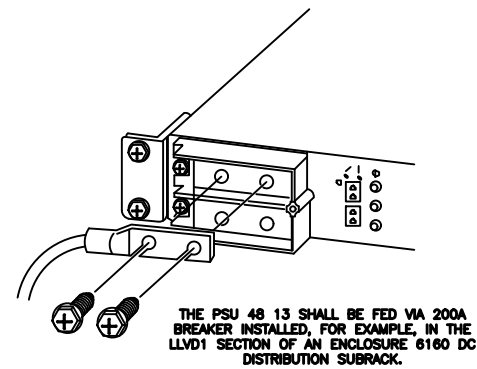
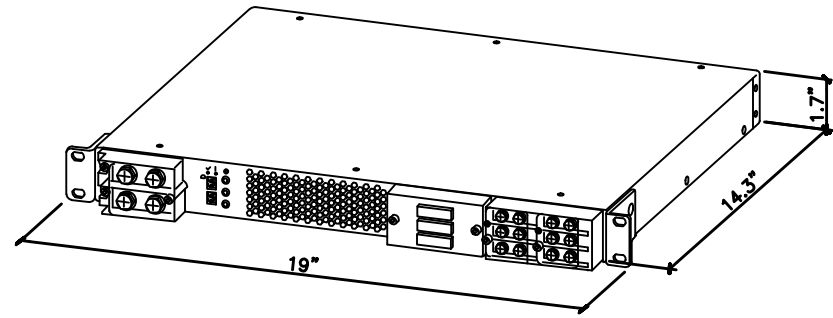
SUPPLEMENTAL

SHEET NUMBER:
R-608

REVISION:
-

MANUFACTURER: ERICSSON
 MODEL: PSU 48 13
 WEIGHT: 17.1 LBS
 DIMENSIONS: 19"x 1.7"x 14.3"

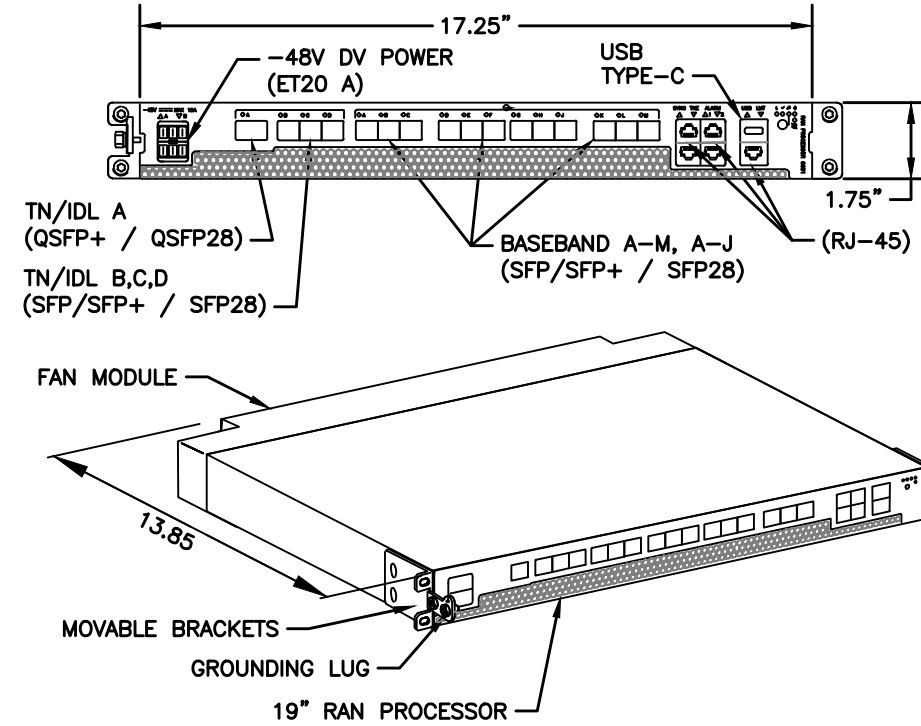
NEEDED INSTALL KIT (PICK 1)
 34133 PSU4813 INSTALL KIT FOR RBS61XX
 34134 PSU4813 INSTALL KIT FOR PBC6200
 34135 PSU4813 INSTALL KIT FOR 6X60/RBS6230



1 SKU# 34132 - PSU 48 13

SCALE: N.T.S.

MANUFACTURER: ERICSSON
 MODEL: 6651 RAN PROCESSOR (KDU1370093/11)
 DIMENSIONS: 1.75" x 17.25" x 13.85" (H" x W" x D")
 WEIGHT: 16.53 LBS



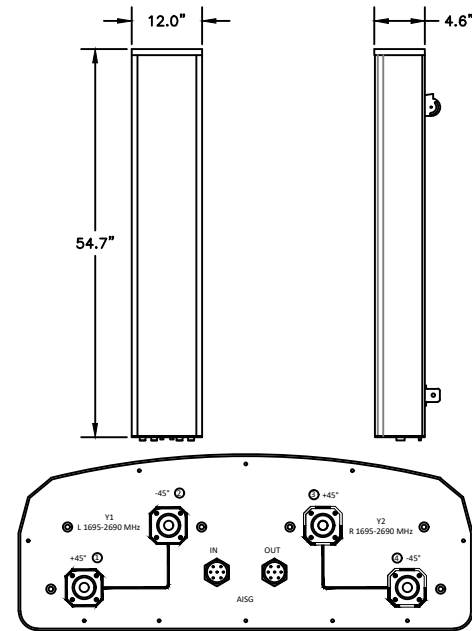
1 34553 - ERICSSON 6651 RAN PROCESSOR
 SCALE: N.T.S.

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

SUPPLEMENTAL

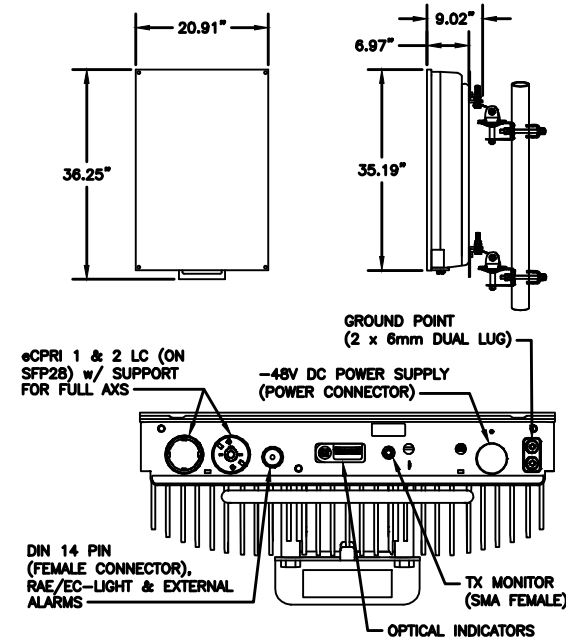
SHEET NUMBER: R-609
 REVISION: -

MANUFACTURER:	COMMSCOPE
MODEL:	VV-65A-R1
DIMENSIONS:	54.7" x 12.1" x 4.6" (H x W x D)
WEIGHT:	24.7 LB
INTERFACE:	4-PORT 4.3-10 FEMALE
MOUNTING KIT:	600899A-2 (INCLUDED) WEIGHT: 8.6 LB

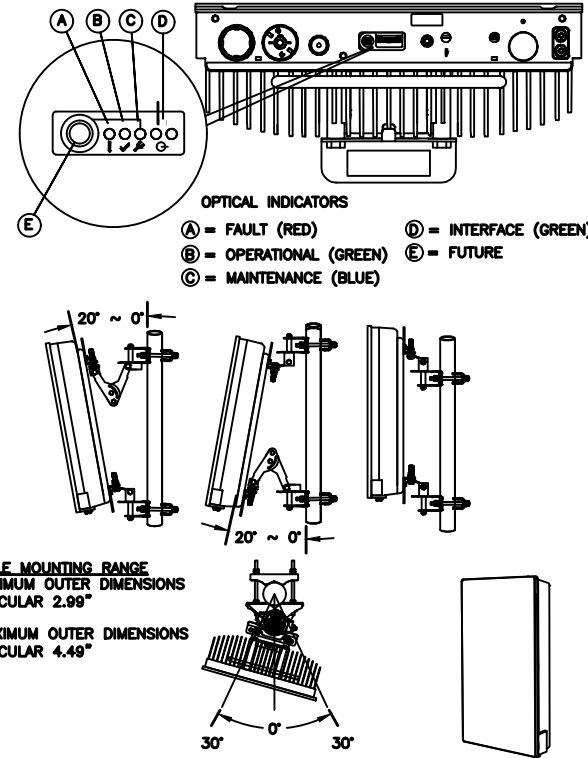


1 34401 - COMMSCOPE VV-65A-R1
SCALE: N.T.S.

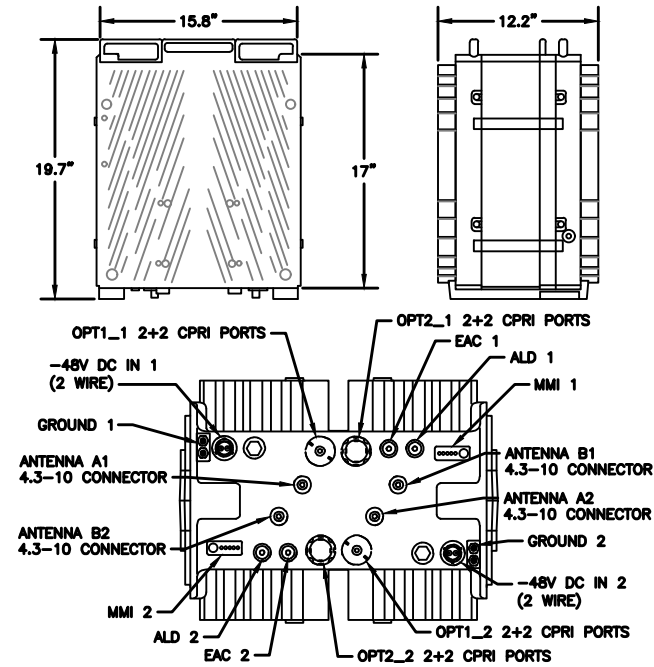
MANUFACTURER:	ERICSSON
MODEL:	AIR 6419 B41 (2.5GHz M-MIMO)
DIMENSIONS:	36.25" x 20.91" x 9.02" NOT TO EXCEED (H x W x D)
WEIGHT:	83 LBS (EXCLUDING MOUNTING KIT)
MOUNT WEIGHT:	13.5 LBS (SXX109 2016/1)



2 34552 - ERICSSON AIR 6419 BAND 41
SCALE: N.T.S.



MANUFACTURER:	ERICSSON
MODEL:	4460 RADIO B2/25 B66 (KRC 161 912/3)
DIMENSIONS:	19.7" x 15.8" x 12.2" (H" x W" x D")
WEIGHT:	109 LBS
BRACKET WEIGHT:	4.8 LBS (ERS HEAVY #SXX1255993/1)



3 34373 - ERICSSON 4460 RADIO B2/25 B66
SCALE: N.T.S.

SUPPLEMENTAL

SHEET NUMBER: REVISION:

R-610

-

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



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Structural Analysis Report

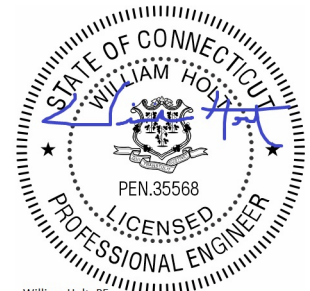
Structure : 109 ft Monopole
ATC Site Name : OLD LYME II CT,CT
ATC Site Number : 284982
Engineering Number : 14049010_C3_03
Proposed Carrier : T-MOBILE
Carrier Site Name : Amtrak_OldLyme4
Carrier Site Number : CTNL803A
Site Location : 232 Shore Road
Old Lyme, CT 06371
41.2918, -72.2869
County : New London
Date : March 29, 2022
Max Usage : 73%
Result : Pass

Prepared By:

Temitope Olaniyan
CLS

Reviewed By:

Digitally signed by
William Holt
Date: 2022.03.29
18:08:01 -04'00'



William Holt, PE
Director of Engineering
License No. 35568 Expires: 01/31/2023

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Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 109 ft Monopole to reflect the change in loading by T-MOBILE.

Supporting Documents

Tower Drawings	Sabre Job #41153, dated April 26, 2011 Mapping by ETS Report #190402, dated January 30, 2019
Foundation Drawing	Sabre Job #41153, dated April 26, 2011 Mapping by ETS Report #190402, dated January 30, 2019
Geotechnical Report	Terracon Project #J2105224, dated November 10, 2010
Mount Analysis	POD Group Project #14049010_C8_01, dated March 24, 2022

Analysis

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

Basic Wind Speed:	126 mph (3-second gust)
Basic Wind Speed w/ Ice:	50 mph (3-second gust) w/ 1.00" radial ice concurrent
Code:	ANSI/TIA-222-H / 2015 IBC / 2018 Connecticut State Building Code
Exposure Category:	C
Risk Category:	II
Topographic Factor Procedure:	Method 1
Topographic Category:	1
Crest Height (H):	0 ft
Spectral Response:	$S_s = 0.20$, $S_i = 0.05$
Site Class:	D - Stiff Soil - Default

Conclusion

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

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

Existing and Reserved Equipment

Elev. ¹ (ft)	Qty	Equipment	Mount Type	Lines	Carrier
109.0	3	Generic 48" x 24" Junction Box	Triangular Platform with Handrails	(2) 0.39" (10mm) Fiber Trunk (6) 0.78" (19.7mm) 8 AWG 6 (6) 1 5/8" Coax	AT&T MOBILITY
	9	Generic 96" x 16" Panel			
	15	Generic RRU			
99.0	3	RFS APXVAARR24_43-U-NA20	Triangular Platform with Handrails	(3) 1 5/8" (1.63"-41.3mm) Fiber	T-MOBILE
91.7	1	RFS DB-T1-6Z-8AB-OZ	Triangular Platform with Handrails	(2) 1 5/8" Hybriflex	VERIZON WIRELESS
90.0	6	Commscope SBNHH-1D65B			
	1	RFS DB-T1-6Z-8AB-OZ			
	6	Amphenol Antel BXA-171063-12CF-EDIN-X			
	3	Alcatel-Lucent RRH2x40-AWS			
	3	Alcatel-Lucent RRH2x40-07-U			
	6	Alcatel-Lucent RRH2x60 700			

Equipment to be Removed

Elev. ¹ (ft)	Qty	Equipment	Mount Type	Lines	Carrier
99.0	3	Ericsson KRY 112 71	-	(1) 1 1/4" (1.25"-31.8mm) Fiber (12) 1 5/8" Coax	T-MOBILE
	3	Ericsson AIR 21, 1.3M, B4A B2P			
	3	Ericsson AIR 21, 1.3 M, B2A B4P			
	3	Ericsson Radio 4449 B12,B71			

Proposed Equipment

Elev. ¹ (ft)	Qty	Equipment	Mount Type	Lines	Carrier
99.0	3	Ericsson Radio 4449 B71 B85A	Triangular Platform with Handrails	(2) 1.99" (50.7mm) Hybrid	T-MOBILE
	3	Ericsson 4460 BAND 2/25			
	3	Commscope VV-65A-R1			
	3	Ericsson AIR 6419 B41			

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

Install proposed lines inside the pole shaft.

Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Anchor Bolts	28%	Pass
Shaft	55%	Pass
Base Plate	11%	Pass
Flange	73%	Pass

Foundations

ReactioComponent	Original Design Reactions	Factored Design Reactions*	Analysis Reactions	% of Design
Moment (Kips-Ft)	3155.0	4259.2	2244.6	53%
Shear (Kips)	40.4	54.5	26.9	50%

* The design reactions are factored by 1.35 per ANSI/TIA-222-H, Sec. 15.6.2

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

Deflection and Sway*

Antenna Elevation (ft)	Antenna	Carrier	Deflection (ft)	Sway (Rotation) (°)
99.0	Ericsson Radio 4449 B71 B85A	T-MOBILE	0.558	0.650
	Ericsson AIR 6419 B41			
	Commscope VV-65A-R1			
	Ericsson 4460 BAND 2/25			

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

Standard Conditions

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

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

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

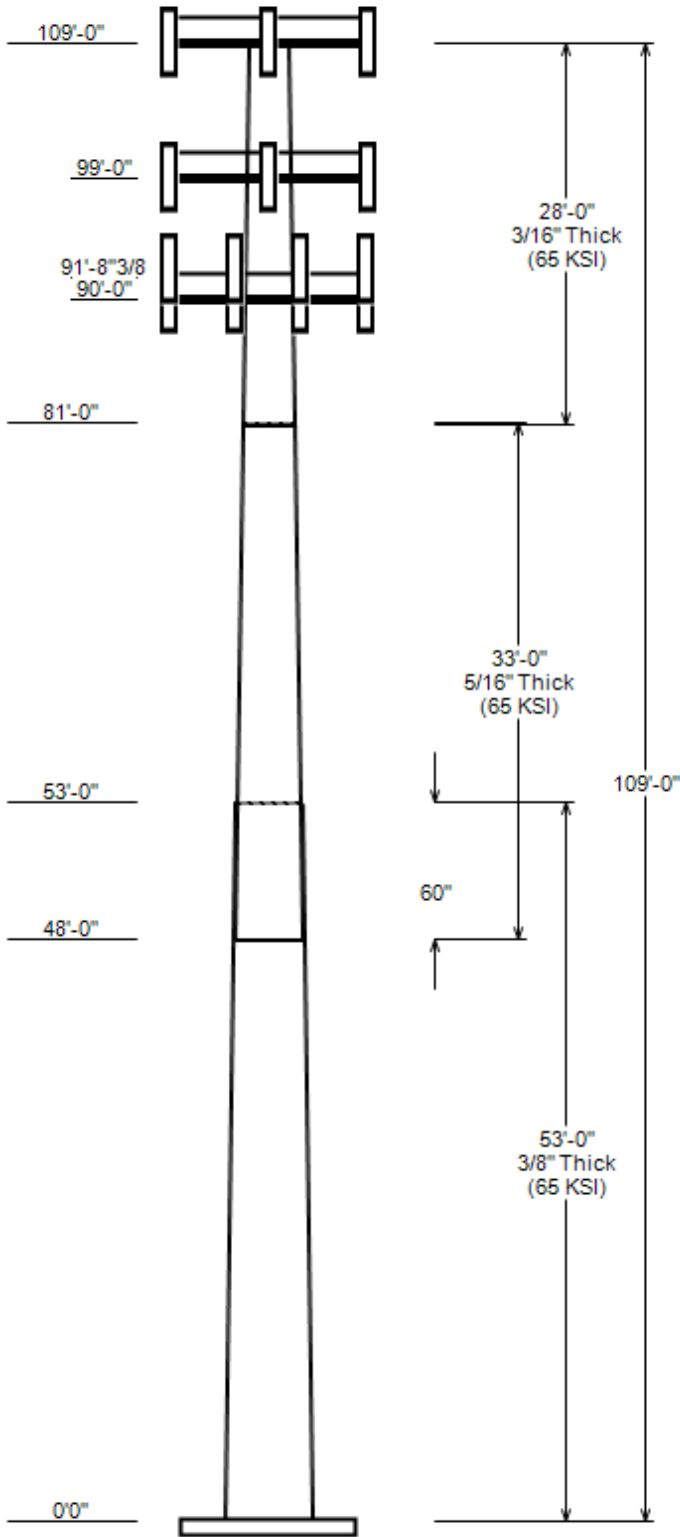
All assets of American Tower Corporation, its affiliates, and subsidiaries (collectively "American Tower") are inspected at regular intervals. Based upon these inspections and in the absence of information to the contrary, American Tower assumes that all structures were constructed in accordance with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

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

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

Asset : 284982, OLD LYME II CT
 Client : T-MOBILE
 Code : ANSI/TIA-222-H

Height : 109 ft
 Base Width : 52.4
 Shape : 18 Sides



SITE PARAMETERS

Nominal Wind: 126 mph wind with no ice **Topo Category:** 1
Ice Wind: 50 mph wind with 1" radial **Topo Method:** Method 1
Base Elev (ft): 0.00 **Taper :** 0.28200(ln/ft) **Topo Feature:**
Structure Class: II **Exposure :** C **S_s :** 0.197 **S₁ :** 0.053

SECTION PROPERTIES

Shaft Section	Length (ft)	Diameter (in)		Thick Joint (in)	Type	Overlap Length (in)	Shape	Steel Grade (ksi)
		Across Flats Top	Across Flats Bottom					
1	53.000	37.44	52.40	0.375		0.000	18 Sides	65
2	33.000	30.16	39.47	0.312	Slip Joint	60.000	18 Sides	65
3	28.000	22.25	30.16	0.188	Butt Joint	0.000	18 Sides	65

DISCRETE APPURTENANCE

Attach Elev (ft)	Force Elev (ft)	Qty	Description
109.0	113.3	15	Generic RRU
109.0	109.0	3	Generic 48" x 24" Junction Box
109.0	109.0	9	Generic 96" x 16" Panel
109.0	109.0	1	Generic Round Platform with Ha
99.0	99.0	3	Ericsson Radio 4449 B71 B85A
99.0	99.0	3	Ericsson 4460 BAND 2/25
99.0	99.0	3	Commscope VV-65A-R1
99.0	99.0	3	Ericsson AIR 6419 B41
99.0	99.0	1	Generic Mount Reinforcement
99.0	99.0	3	RFS APXVAARR24_43-U-NA20
99.0	99.0	1	Generic Round Platform with Ha
91.7	93.4	1	RFS DB-T1-6Z-8AB-0Z
90.0	92.3	3	Alcatel-Lucent RRH2x40-07-U
90.0	92.3	6	Alcatel-Lucent RRH2x60 700
90.0	92.3	3	Alcatel-Lucent RRH2x40-AWS
90.0	90.0	6	Amphenol Antel BXA-171063-12CF
90.0	91.7	1	RFS DB-T1-6Z-8AB-0Z
90.0	90.1	6	Commscope SBNHH-1D65B
90.0	90.0	1	Generic Round Platform with Ha

LINEAR APPURTENANCE

Elev From (ft)	Elev To (ft)	Description	Exp To Wind
0.0	109.0	1 5/8" Coax	No
0.0	109.0	0.78" (19.7mm) 8 AWG 6	No
0.0	109.0	0.39" (10mm) Fiber Trunk	No
0.0	99.0	1.99" (50.7mm) Hybrid	No
0.0	99.0	1 5/8" (1.63"-41.3mm) Fiber	No
0.0	90.0	1 5/8" Hybriflex	No

LOAD CASES

1.2D + 1.0W 126 mph wind with no ice
 0.9D + 1.0W 126 mph wind with no ice
 1.2D + 1.0Di + 1.0Wi 50 mph wind with 1" radial ice
 1.2D + 1.0Ev + 1.0Eh Seismic
 0.9D - 1.0Ev + 1.0Eh Seismic (Reduced DL)
 1.0D + 1.0W 60 mph Wind with No Ice

REACTIONS

Load Case	Moment (kip-ft)	Shear (Kip)	Axial (Kip)
1.2D + 1.0W	2244.64	26.89	34.39
0.9D + 1.0W	2230.41	26.88	25.79

JOB INFORMATION

Asset : 284982, OLD LYME II CT
 Client : T-MOBILE
 Code : ANSI/TIA-222-H

Height : 109 ft
 Base Width : 52.4
 Shape : 18 Sides

REACTIONS

Load Case	Moment (kip-ft)	Shear (Kip)	Axial (Kip)
1.2D + 1.0Di + 1.0Wi	509.22	6.29	47.08
1.2D + 1.0Ev + 1.0Eh	95.83	1.05	34.22
0.9D - 1.0Ev + 1.0Eh	95.07	1.04	23.64
1.0D + 1.0W	453.67	5.45	28.69

DISH DEFLECTIONS

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

ASSET: 284982, OLD LYME II CT
CUSTOMER: T-MOBILE

CODE: ANSI/TIA-222-H
ENG NO: 14049010_C3_03

ANALYSIS PARAMETERS

Location:	New London County,CT	Height:	109 ft
Type and Shape:	Taper, 18 Sides	Base Diameter:	52.40 in
Manufacturer:	Sabre	Top Diameter:	22.25 in
K_d (non-service):	0.95	Taper:	0.2820 in/ft
K_e:	1.00	Rotation:	0.000°

ICE & WIND PARAMETERS

Exposure Category:	C	Design Wind Speed w/o Ice:	126 mph
Risk Category:	II	Design Wind Speed w/Ice:	50 mph
Topo Factor Procedure:	Method 1	Operational Wind Speed:	60 mph
Topographic Category:	1	Design Ice Thickness:	1.00 in
Crest Height:	0 ft	HMSL:	0.00 ft

SEISMIC PARAMETERS

Analysis Method:	Equivalent Lateral Force Method		
Site Class:	D - Stiff Soil	Period Based on Rayleigh Method (sec):	1.55
T_L (sec):	6	P:	1
S_s:	0.197	S₁:	0.053
F_a:	1.600	F_v:	2.400
S_{ds}:	0.210	S_{dt}:	0.085
		C_s:	0.036
		C_s Max:	0.036
		C_s Min:	0.030

LOAD CASES

1.2D + 1.0W	126 mph wind with no ice
0.9D + 1.0W	126 mph wind with no ice
1.2D + 1.0Di + 1.0Wi	50 mph wind with 1" radial ice
1.2D + 1.0Ev + 1.0Eh	Seismic
0.9D - 1.0Ev + 1.0Eh	Seismic (Reduced DL)
1.0D + 1.0W	60 mph Wind with No Ice

ASSET: 284982, OLD LYME II CT
 CUSTOMER: T-MOBILE

CODE: ANSI/TIA-222-H
 ENG NO: 14049010_C3_03

SHAFT SECTION PROPERTIES

Sect Info	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Slip Joint len (in)	Weight (lb)	Bottom						Top							
							Dia (in)	Elev (ft)	Area (in ²)	Ix (in ⁴)	W/t Ratio	D/t Ratio	Dia (in)	Elev (in)	Area (in ²)	Ix (in ⁴)	W/t Ratio	D/t Ratio	Taper (in/ft)	
1-18	53.00	0.3750	65		0.00	9,561	52.40	0.000	61.92	21,174.4	22.88	139.73	37.44	53.00	44.11	7,654.7	15.84	99.83	0.2823	
2-18	33.00	0.3125	65	Slip	60.00	3,843	39.47	48.000	38.84	7,525.4	20.51	126.31	30.16	81.00	29.60	3,330.6	15.25	96.50	0.2823	
3-18	28.00	0.1875	65	Butt	0.00	1,475	30.16	81.000	17.83	2,023.6	26.60	160.83	22.25	109.00	13.13	807.4	19.16	118.67	0.2823	
Shaft Weight						14,879														

DISCRETE APPURTENANCE PROPERTIES

Attach Elev (ft)	Description	Qty	Ka	Vert Ecc (ft)	No Ice			Ice		
					Weight (lb)	EPAA (sf)	Orientation Factor	Weight (lb)	EPAA (sf)	Orientation Factor
109.00	Generic RRU	15	0.75	4.300	75.00	4.193	0.50	151.94	5.068	0.50
109.00	Generic 48" x 24" Junction Box	3	0.75	0.000	50.00	9.600	0.56	160.59	10.969	0.56
109.00	Generic 96" x 16" Panel	9	0.75	0.000	50.00	14.459	0.67	236.14	16.860	0.67
109.00	Generic Round Platform with Ha	1	1.00	0.000	2500.00	27.200	1.00	3546.09	42.987	1.00
99.00	RFS APXVAARR24_43-U-NA20	3	0.75	0.000	127.90	20.243	0.63	378.97	22.615	0.63
99.00	Generic Round Platform with Ha	1	1.00	0.000	2500.00	27.200	1.00	3535.88	42.833	1.00
99.00	Generic Mount Reinforcement	1	1.00	0.000	200.00	7.500	1.00	323.77	12.288	1.00
99.00	Ericsson AIR 6419 B41	3	0.75	0.000	83.30	6.322	0.63	180.09	7.404	0.63
99.00	Commscope VV-65A-R1	3	0.75	0.000	23.80	5.928	0.63	98.90	7.283	0.63
99.00	Ericsson 4460 BAND 2/25	3	0.75	0.000	109.00	2.564	0.50	165.53	3.238	0.50
99.00	Ericsson Radio 4449 B71 B85A	3	0.75	0.000	75.00	1.650	0.50	113.46	2.193	0.50
91.70	RFS DB-T1-6Z-8AB-0Z	1	0.75	1.700	44.00	4.800	0.50	123.97	5.703	0.50
90.00	Generic Round Platform with Ha	1	1.00	0.000	2500.00	27.200	1.00	3525.26	42.673	1.00
90.00	Commscope SBNHH-1D65B	6	0.75	0.100	50.70	8.173	0.69	161.79	9.964	0.69
90.00	RFS DB-T1-6Z-8AB-0Z	1	0.75	1.700	44.00	4.800	0.50	123.67	5.700	0.50
90.00	Amphenol Antel BXA-171063-12CF	6	0.75	0.000	15.00	4.790	0.72	75.53	6.283	0.72
90.00	Alcatel-Lucent RRH2x40-AWS	3	0.75	2.300	44.00	2.155	0.50	82.36	2.815	0.50
90.00	Alcatel-Lucent RRH2x60 700	6	0.75	2.300	56.70	2.150	0.50	99.78	2.784	0.50
90.00	Alcatel-Lucent RRH2x40-07-U	3	0.75	2.300	50.70	1.925	0.50	87.84	2.504	0.50
Totals	Num Loadings: 19	72			11,788.50			21,408.82		

LINEAR APPURTENANCE PROPERTIES

Load Case Azimuth (deg) : 0.00_

Elev From (ft)	Elev To (ft)	Qty	Description	Coax Dia (in)	Coax Wt (lb/ft)	Flat	Max Coax/ Row	Dist Between Rows (in)	Dist Between Cols (in)	Azimuth (deg)	Dist From Face (in)	Exposed To Wind	Carrier
0.00	109.00	6	0.78" (19.7mm) 8 AWG	0.78	0.59	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	109.00	6	1 5/8" Coax	1.98	0.82	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	109.00	2	0.39" (10mm) Fiber Tr	0.39	0.06	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	99.00	3	1 5/8" (1.63"-41.3mm)	1.63	1.61	N	0	0	0	0	0	N	T-MOBILE
0.00	99.00	2	1.99" (50.7mm) Hybrid	1.99	1.9	N	0	0	0	0	0	N	T-MOBILE
0.00	90.00	2	1 5/8" Hybriflex	1.98	1.3	N	0	0	0	0	0	N	VERIZON WIREL

SEGMENT PROPERTIES

(Max Len: 5.ft)

Seg Top Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in ²)	Ix (in ⁴)	W/t Ratio	D/t Ratio	Fy (ksi)	S (in ³)	Z (in ³)	Weight (lb)
0.00		0.3750	52.400	61.921	21,174.40	22.88	139.73	74.5	795.9	0.0	0.0
5.00		0.3750	50.988	60.240	19,497.10	22.21	135.97	75.3	753.1	0.0	1,039.2
10.00		0.3750	49.577	58.560	17,910.70	21.55	132.20	76.1	711.6	0.0	1,010.6
15.00		0.3750	48.165	56.880	16,412.90	20.88	128.44	76.8	671.2	0.0	982.0
20.00		0.3750	46.753	55.200	15,000.90	20.22	124.68	77.6	632.0	0.0	953.5
25.00		0.3750	45.342	53.519	13,672.40	19.56	120.91	78.4	593.9	0.0	924.9
30.00		0.3750	43.930	51.839	12,424.70	18.89	117.15	79.2	557.1	0.0	896.3
35.00		0.3750	42.518	50.159	11,255.30	18.23	113.38	80	521.4	0.0	867.7
40.00		0.3750	41.106	48.479	10,161.70	17.57	109.62	80.7	486.9	0.0	839.1
45.00		0.3750	39.695	46.799	9,141.30	16.90	105.85	81.5	453.6	0.0	810.5
48.00	Bot - Section 2	0.3750	38.848	45.790	8,563.20	16.50	103.59	82	434.2	0.0	472.6
50.00		0.3750	38.283	45.118	8,191.60	16.24	102.09	82.3	421.4	0.0	571.8
53.00	Top - Section 1	0.3125	38.061	37.440	6,740.50	19.71	121.80	78.2	348.8	0.0	841.9
55.00		0.3125	37.496	36.880	6,442.50	19.39	119.99	78.6	338.4	0.0	252.9
60.00		0.3125	36.085	35.480	5,736.30	18.60	115.47	79.5	313.1	0.0	615.6
65.00		0.3125	34.673	34.080	5,083.60	17.80	110.95	80.5	288.8	0.0	591.7
70.00		0.3125	33.261	32.680	4,482.40	17.00	106.44	81.4	265.4	0.0	567.9
75.00		0.3125	31.850	31.280	3,930.60	16.21	101.92	82.3	243.1	0.0	544.1
80.00		0.3125	30.438	29.879	3,426.00	15.41	97.40	82.6	221.7	0.0	520.3
81.00	Top - Section 2	0.3125	30.156	29.599	3,330.60	15.25	96.50	82.6	217.5	0.0	101.2
81.00	Bot - Section 3	0.1875	30.156	17.834	2,023.60	26.60	160.83	70.1	132.2	0.0	
85.00		0.1875	29.026	17.162	1,803.30	25.53	154.81	71.4	122.4	0.0	238.2
90.00		0.1875	27.614	16.322	1,551.20	24.21	147.28	72.9	110.6	0.0	284.8
91.70		0.1875	27.134	16.036	1,471.20	23.75	144.72	73.5	106.8	0.0	93.6
95.00		0.1875	26.203	15.482	1,323.80	22.88	139.75	74.5	99.5	0.0	177.0
99.00		0.1875	25.073	14.810	1,158.80	21.82	133.72	75.7	91.0	0.0	206.2
100.00		0.1875	24.791	14.642	1,119.80	21.55	132.22	76.1	89.0	0.0	50.1
105.00		0.1875	23.379	13.802	937.90	20.22	124.69	77.6	79.0	0.0	242.0
109.00		0.1875	22.250	13.129	807.40	19.16	118.67	78.9	71.5	0.0	183.3

Totals: 14,879.0

ASSET: 284982, OLD LYME II CT
 CUSTOMER: T-MOBILE

CODE: ANSI/TIA-222-H
 ENG NO: 14049010_C3_03

Load Case: 1.2D + 1.0W	126 mph wind with no ice	19 Iterations
Gust Response Factor:	1.10	
Dead load Factor:	1.20	
Wind Load Factor:	1.00	

CALCULATED FORCES

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (ft-kips)	Phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-34.39	-26.89	0.00	-2,244.6	0.00	2,244.64	4,151.50	1,086.71	5,106.36	4,446.83	0	0	0.514
5.00	-32.96	-26.40	0.00	-2,110.2	0.00	2,110.21	4,081.17	1,057.22	4,833.03	4,252.04	0.08	-0.15	0.505
10.00	-31.56	-25.93	0.00	-1,978.2	0.00	1,978.20	4,008.49	1,027.73	4,567.22	4,058.97	0.31	-0.3	0.496
15.00	-30.20	-25.45	0.00	-1,848.6	0.00	1,848.56	3,933.44	998.24	4,308.92	3,867.83	0.7	-0.45	0.486
20.00	-28.88	-24.97	0.00	-1,721.3	0.00	1,721.29	3,856.03	968.75	4,058.14	3,678.84	1.26	-0.6	0.476
25.00	-27.59	-24.47	0.00	-1,596.4	0.00	1,596.45	3,776.27	939.27	3,814.88	3,492.19	1.97	-0.76	0.465
30.00	-26.33	-23.96	0.00	-1,474.1	0.00	1,474.10	3,694.14	909.78	3,579.14	3,308.11	2.85	-0.92	0.453
35.00	-25.12	-23.45	0.00	-1,354.3	0.00	1,354.30	3,609.65	880.29	3,350.91	3,126.78	3.9	-1.08	0.441
40.00	-23.94	-22.93	0.00	-1,237.1	0.00	1,237.07	3,522.80	850.80	3,130.21	2,948.43	5.13	-1.24	0.427
45.00	-22.80	-22.51	0.00	-1,122.4	0.00	1,122.42	3,433.58	821.32	2,917.02	2,773.25	6.52	-1.41	0.412
48.00	-22.14	-22.25	0.00	-1,054.9	0.00	1,054.88	3,378.92	803.62	2,792.71	2,669.76	7.44	-1.51	0.402
50.00	-21.38	-21.98	0.00	-1,010.4	0.00	1,010.38	3,342.01	791.83	2,711.35	2,601.46	8.09	-1.58	0.396
53.00	-20.28	-21.71	0.00	-944.4	0.00	944.44	2,635.57	657.08	2,240.37	2,046.20	9.11	-1.68	0.470
55.00	-19.89	-21.36	0.00	-901.0	0.00	901.03	2,608.58	647.25	2,173.85	1,994.70	9.83	-1.75	0.460
60.00	-18.98	-20.85	0.00	-794.2	0.00	794.24	2,539.46	622.68	2,011.95	1,867.51	11.77	-1.94	0.434
65.00	-18.11	-20.36	0.00	-690.0	0.00	689.96	2,467.98	598.10	1,856.30	1,742.70	13.9	-2.12	0.404
70.00	-17.27	-19.87	0.00	-588.2	0.00	588.18	2,394.14	573.53	1,706.92	1,620.47	16.22	-2.3	0.371
75.00	-16.46	-19.39	0.00	-488.8	0.00	488.84	2,317.94	548.96	1,563.81	1,501.04	18.72	-2.47	0.334
80.00	-15.70	-19.09	0.00	-391.9	0.00	391.91	2,219.90	524.39	1,426.96	1,372.58	21.4	-2.63	0.294
81.00	-15.54	-18.86	0.00	-372.8	0.00	372.82	2,199.09	519.47	1,400.34	1,346.84	21.95	-2.66	0.285
81.00	-15.54	-18.86	0.00	-372.8	0.00	372.82	1,125.47	312.99	847.15	695.08	21.95	-2.66	0.554
85.00	-15.13	-18.47	0.00	-297.4	0.00	297.38	1,102.35	301.19	784.51	654.99	24.23	-2.78	0.471
90.00	-10.59	-13.78	0.00	-203.6	0.00	203.58	1,071.33	286.45	709.59	605.19	27.26	-2.98	0.349
91.70	-10.39	-13.47	0.00	-180.0	0.00	179.99	1,060.24	281.44	684.97	588.38	28.33	-3.04	0.318
95.00	-10.11	-13.16	0.00	-135.5	0.00	135.54	1,037.94	271.71	638.43	555.95	30.46	-3.14	0.256
99.00	-5.29	-8.09	0.00	-82.9	0.00	82.89	1,009.53	259.91	584.21	517.09	33.13	-3.23	0.167
100.00	-5.23	-7.85	0.00	-74.8	0.00	74.80	1,002.19	256.96	571.03	507.46	33.81	-3.25	0.154
105.00	-4.90	-7.48	0.00	-35.5	0.00	35.53	964.09	242.22	507.39	459.95	37.25	-3.32	0.083
109.00	0.00	-7.19	0.00	-5.6	0.00	5.60	931.90	230.42	459.18	422.77	40.05	-3.34	0.014

ASSET: 284982, OLD LYME II CT
 CUSTOMER: T-MOBILE

CODE: ANSI/TIA-222-H
 ENG NO: 14049010_C3_03

Load Case: 0.9D + 1.0W	126 mph wind with no ice	19 Iterations
Gust Response Factor:	1.10	
Dead load Factor:	0.90	
Wind Load Factor:	1.00	

CALCULATED FORCES

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (ft-kips)	Phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-25.79	-26.88	0.00	-2,230.4	0.00	2,230.41	4,151.50	1,086.71	5,106.36	4,446.83	0	0	0.508
5.00	-24.70	-26.37	0.00	-2,096.0	0.00	2,096.03	4,081.17	1,057.22	4,833.03	4,252.04	0.08	-0.15	0.500
10.00	-23.63	-25.87	0.00	-1,964.2	0.00	1,964.19	4,008.49	1,027.73	4,567.22	4,058.97	0.31	-0.29	0.490
15.00	-22.59	-25.38	0.00	-1,834.8	0.00	1,834.81	3,933.44	998.24	4,308.92	3,867.83	0.7	-0.44	0.481
20.00	-21.59	-24.88	0.00	-1,707.9	0.00	1,707.90	3,856.03	968.75	4,058.14	3,678.84	1.25	-0.6	0.471
25.00	-20.60	-24.36	0.00	-1,583.5	0.00	1,583.50	3,776.27	939.27	3,814.88	3,492.19	1.96	-0.75	0.460
30.00	-19.65	-23.84	0.00	-1,461.7	0.00	1,461.67	3,694.14	909.78	3,579.14	3,308.11	2.83	-0.91	0.448
35.00	-18.72	-23.31	0.00	-1,342.5	0.00	1,342.47	3,609.65	880.29	3,350.91	3,126.78	3.88	-1.07	0.435
40.00	-17.83	-22.79	0.00	-1,225.9	0.00	1,225.90	3,522.80	850.80	3,130.21	2,948.43	5.09	-1.24	0.422
45.00	-16.97	-22.36	0.00	-1,112.0	0.00	1,111.98	3,433.58	821.32	2,917.02	2,773.25	6.47	-1.4	0.407
48.00	-16.46	-22.09	0.00	-1,044.9	0.00	1,044.90	3,378.92	803.62	2,792.71	2,669.76	7.38	-1.5	0.397
50.00	-15.89	-21.82	0.00	-1,000.7	0.00	1,000.72	3,342.01	791.83	2,711.35	2,601.46	8.03	-1.57	0.390
53.00	-15.05	-21.55	0.00	-935.2	0.00	935.25	2,635.57	657.08	2,240.37	2,046.20	9.04	-1.67	0.464
55.00	-14.75	-21.19	0.00	-892.2	0.00	892.16	2,608.58	647.25	2,173.85	1,994.70	9.76	-1.74	0.454
60.00	-14.06	-20.68	0.00	-786.2	0.00	786.22	2,539.46	622.68	2,011.95	1,867.51	11.68	-1.92	0.428
65.00	-13.40	-20.17	0.00	-682.8	0.00	682.85	2,467.98	598.10	1,856.30	1,742.70	13.79	-2.1	0.398
70.00	-12.76	-19.67	0.00	-582.0	0.00	581.99	2,394.14	573.53	1,706.92	1,620.47	16.09	-2.28	0.366
75.00	-12.14	-19.19	0.00	-483.6	0.00	483.62	2,317.94	548.96	1,563.81	1,501.04	18.57	-2.45	0.329
80.00	-11.57	-18.89	0.00	-387.7	0.00	387.68	2,219.90	524.39	1,426.96	1,372.58	21.22	-2.61	0.289
81.00	-11.45	-18.66	0.00	-368.8	0.00	368.79	2,199.09	519.47	1,400.34	1,346.84	21.77	-2.64	0.280
81.00	-11.45	-18.66	0.00	-368.8	0.00	368.79	1,125.47	312.99	847.15	695.08	21.77	-2.64	0.544
85.00	-11.13	-18.26	0.00	-294.1	0.00	294.14	1,102.35	301.19	784.51	654.99	24.03	-2.75	0.463
90.00	-7.78	-13.63	0.00	-201.4	0.00	201.39	1,071.33	286.45	709.59	605.19	27.03	-2.95	0.342
91.70	-7.63	-13.32	0.00	-178.0	0.00	178.05	1,060.24	281.44	684.97	588.38	28.09	-3.01	0.312
95.00	-7.41	-13.01	0.00	-134.1	0.00	134.10	1,037.94	271.71	638.43	555.95	30.2	-3.11	0.251
99.00	-3.86	-8.01	0.00	-82.1	0.00	82.07	1,009.53	259.91	584.21	517.09	32.85	-3.2	0.163
100.00	-3.82	-7.77	0.00	-74.1	0.00	74.06	1,002.19	256.96	571.03	507.46	33.52	-3.22	0.151
105.00	-3.58	-7.40	0.00	-35.2	0.00	35.21	964.09	242.22	507.39	459.95	36.93	-3.29	0.081
109.00	0.00	-7.19	0.00	-5.6	0.00	5.60	931.90	230.42	459.18	422.77	39.7	-3.31	0.014

ASSET: 284982, OLD LYME II CT
 CUSTOMER: T-MOBILE

CODE: ANSI/TIA-222-H
 ENG NO: 14049010_C3_03

Load Case: 1.2D + 1.0Di + 1.0Wi	50 mph wind with 1" radial ice			18 Iterations
Gust Response Factor: 1.10	Ice Dead Load Factor	1.00		
Dead load Factor: 1.20			Ice Importance Factor	1.00
Wind Load Factor: 1.00				

CALCULATED FORCES

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (ft-kips)	Phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-47.08	-6.29	0.00	-509.2	0.00	509.22	4,151.50	1,086.71	5,106.36	4,446.83	0	0	0.126
5.00	-45.46	-6.16	0.00	-477.8	0.00	477.79	4,081.17	1,057.22	4,833.03	4,252.04	0.02	-0.03	0.124
10.00	-43.86	-6.04	0.00	-447.0	0.00	446.99	4,008.49	1,027.73	4,567.22	4,058.97	0.07	-0.07	0.121
15.00	-42.28	-5.91	0.00	-416.8	0.00	416.81	3,933.44	998.24	4,308.92	3,867.83	0.16	-0.1	0.119
20.00	-40.73	-5.79	0.00	-387.2	0.00	387.25	3,856.03	968.75	4,058.14	3,678.84	0.28	-0.14	0.116
25.00	-39.22	-5.65	0.00	-358.3	0.00	358.32	3,776.27	939.27	3,814.88	3,492.19	0.45	-0.17	0.113
30.00	-37.74	-5.52	0.00	-330.0	0.00	330.05	3,694.14	909.78	3,579.14	3,308.11	0.65	-0.21	0.110
35.00	-36.31	-5.39	0.00	-302.4	0.00	302.44	3,609.65	880.29	3,350.91	3,126.78	0.88	-0.24	0.107
40.00	-34.91	-5.25	0.00	-275.5	0.00	275.52	3,522.80	850.80	3,130.21	2,948.43	1.16	-0.28	0.103
45.00	-33.56	-5.14	0.00	-249.3	0.00	249.28	3,433.58	821.32	2,917.02	2,773.25	1.47	-0.32	0.100
48.00	-32.76	-5.07	0.00	-233.9	0.00	233.87	3,378.92	803.62	2,792.71	2,669.76	1.68	-0.34	0.097
50.00	-31.92	-5.00	0.00	-223.7	0.00	223.73	3,342.01	791.83	2,711.35	2,601.46	1.82	-0.35	0.096
53.00	-30.69	-4.92	0.00	-208.7	0.00	208.74	2,635.57	657.08	2,240.37	2,046.20	2.05	-0.38	0.114
55.00	-30.23	-4.83	0.00	-198.9	0.00	198.90	2,608.58	647.25	2,173.85	1,994.70	2.21	-0.39	0.111
60.00	-29.13	-4.70	0.00	-174.7	0.00	174.74	2,539.46	622.68	2,011.95	1,867.51	2.65	-0.43	0.105
65.00	-28.06	-4.56	0.00	-151.3	0.00	151.26	2,467.98	598.10	1,856.30	1,742.70	3.12	-0.47	0.098
70.00	-27.03	-4.43	0.00	-128.4	0.00	128.44	2,394.14	573.53	1,706.92	1,620.47	3.64	-0.51	0.091
75.00	-26.03	-4.30	0.00	-106.3	0.00	106.28	2,317.94	548.96	1,563.81	1,501.04	4.2	-0.55	0.082
80.00	-25.07	-4.22	0.00	-84.8	0.00	84.78	2,219.90	524.39	1,426.96	1,372.58	4.79	-0.58	0.073
81.00	-24.88	-4.16	0.00	-80.6	0.00	80.56	2,199.09	519.47	1,400.34	1,346.84	4.92	-0.59	0.071
81.00	-24.88	-4.16	0.00	-80.6	0.00	80.56	1,125.47	312.99	847.15	695.08	4.92	-0.59	0.138
85.00	-24.33	-4.05	0.00	-63.9	0.00	63.92	1,102.35	301.19	784.51	654.99	5.42	-0.62	0.120
90.00	-17.39	-3.00	0.00	-43.4	0.00	43.38	1,071.33	286.45	709.59	605.19	6.09	-0.66	0.088
91.70	-17.06	-2.92	0.00	-38.2	0.00	38.25	1,060.24	281.44	684.97	588.38	6.33	-0.67	0.081
95.00	-16.65	-2.83	0.00	-28.6	0.00	28.61	1,037.94	271.71	638.43	555.95	6.8	-0.69	0.068
99.00	-9.33	-1.72	0.00	-17.3	0.00	17.27	1,009.53	259.91	584.21	517.09	7.39	-0.71	0.043
100.00	-9.23	-1.66	0.00	-15.5	0.00	15.54	1,002.19	256.96	571.03	507.46	7.54	-0.72	0.040
105.00	-8.72	-1.55	0.00	-7.3	0.00	7.27	964.09	242.22	507.39	459.95	8.3	-0.73	0.025
109.00	0.00	-1.44	0.00	-1.1	0.00	1.07	931.90	230.42	459.18	422.77	8.92	-0.74	0.003

Load Case: 1.0D + 1.0W	60 mph Wind with No Ice	18 Iterations
Gust Response Factor:	1.10	
Dead load Factor:	1.00	
Wind Load Factor:	1.00	

CALCULATED FORCES

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (ft-kips)	Phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-28.69	-5.45	0.00	-453.7	0.00	453.67	4,151.50	1,086.71	5,106.36	4,446.83	0	0	0.109
5.00	-27.55	-5.35	0.00	-426.4	0.00	426.41	4,081.17	1,057.22	4,833.03	4,252.04	0.02	-0.03	0.107
10.00	-26.44	-5.25	0.00	-399.6	0.00	399.65	4,008.49	1,027.73	4,567.22	4,058.97	0.06	-0.06	0.105
15.00	-25.35	-5.15	0.00	-373.4	0.00	373.38	3,933.44	998.24	4,308.92	3,867.83	0.14	-0.09	0.103
20.00	-24.30	-5.05	0.00	-347.6	0.00	347.61	3,856.03	968.75	4,058.14	3,678.84	0.25	-0.12	0.101
25.00	-23.27	-4.95	0.00	-322.3	0.00	322.34	3,776.27	939.27	3,814.88	3,492.19	0.4	-0.15	0.098
30.00	-22.27	-4.85	0.00	-297.6	0.00	297.59	3,694.14	909.78	3,579.14	3,308.11	0.58	-0.19	0.096
35.00	-21.30	-4.74	0.00	-273.4	0.00	273.36	3,609.65	880.29	3,350.91	3,126.78	0.79	-0.22	0.093
40.00	-20.36	-4.63	0.00	-249.7	0.00	249.66	3,522.80	850.80	3,130.21	2,948.43	1.04	-0.25	0.090
45.00	-19.45	-4.55	0.00	-226.5	0.00	226.49	3,433.58	821.32	2,917.02	2,773.25	1.32	-0.28	0.087
48.00	-18.92	-4.49	0.00	-212.8	0.00	212.85	3,378.92	803.62	2,792.71	2,669.76	1.5	-0.31	0.085
50.00	-18.31	-4.44	0.00	-203.9	0.00	203.86	3,342.01	791.83	2,711.35	2,601.46	1.63	-0.32	0.084
53.00	-17.40	-4.38	0.00	-190.5	0.00	190.54	2,635.57	657.08	2,240.37	2,046.20	1.84	-0.34	0.100
55.00	-17.11	-4.31	0.00	-181.8	0.00	181.77	2,608.58	647.25	2,173.85	1,994.70	1.99	-0.35	0.098
60.00	-16.39	-4.21	0.00	-160.2	0.00	160.21	2,539.46	622.68	2,011.95	1,867.51	2.38	-0.39	0.092
65.00	-15.70	-4.11	0.00	-139.2	0.00	139.17	2,467.98	598.10	1,856.30	1,742.70	2.81	-0.43	0.086
70.00	-15.03	-4.01	0.00	-118.6	0.00	118.63	2,394.14	573.53	1,706.92	1,620.47	3.28	-0.46	0.080
75.00	-14.39	-3.91	0.00	-98.6	0.00	98.59	2,317.94	548.96	1,563.81	1,501.04	3.78	-0.5	0.072
80.00	-13.77	-3.85	0.00	-79.0	0.00	79.04	2,219.90	524.39	1,426.96	1,372.58	4.32	-0.53	0.064
81.00	-13.65	-3.80	0.00	-75.2	0.00	75.19	2,199.09	519.47	1,400.34	1,346.84	4.43	-0.54	0.062
81.00	-13.65	-3.80	0.00	-75.2	0.00	75.19	1,125.47	312.99	847.15	695.08	4.43	-0.54	0.120
85.00	-13.33	-3.72	0.00	-60.0	0.00	59.97	1,102.35	301.19	784.51	654.99	4.89	-0.56	0.104
90.00	-9.39	-2.78	0.00	-41.1	0.00	41.06	1,071.33	286.45	709.59	605.19	5.5	-0.6	0.077
91.70	-9.22	-2.72	0.00	-36.3	0.00	36.31	1,060.24	281.44	684.97	588.38	5.72	-0.61	0.070
95.00	-8.99	-2.65	0.00	-27.3	0.00	27.34	1,037.94	271.71	638.43	555.95	6.15	-0.63	0.058
99.00	-4.77	-1.63	0.00	-16.7	0.00	16.73	1,009.53	259.91	584.21	517.09	6.69	-0.65	0.037
100.00	-4.71	-1.58	0.00	-15.1	0.00	15.10	1,002.19	256.96	571.03	507.46	6.83	-0.66	0.034
105.00	-4.43	-1.51	0.00	-7.2	0.00	7.18	964.09	242.22	507.39	459.95	7.52	-0.67	0.020
109.00	0.00	-1.46	0.00	-1.1	0.00	1.14	931.90	230.42	459.18	422.77	8.09	-0.67	0.003

EQUIVALENT LATERAL FORCES METHOD ANALYSIS

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

Spectral Response Acceleration for Short Period (S_S):	0.197
Spectral Response Acceleration at 1.0 Second Period (S_1):	0.053
Long-Period Transition Period (T_L – Seconds):	6
Importance Factor (I_e):	1.000
Site Coefficient F_a :	1.600
Site Coefficient F_v :	2.400
Response Modification Coefficient (R):	1.500
Design Spectral Response Acceleration at Short Period (S_{ds}):	0.210
Design Spectral Response Acceleration at 1.0 Second Period (S_{d1}):	0.085
Seismic Response Coefficient (C_s):	0.036
Upper Limit C_s :	0.036
Lower Limit C_s :	0.030
Period based on Rayleigh Method (sec):	1.550
Redundancy Factor (ρ):	1.000
Seismic Force Distribution Exponent (k):	1.530
Total Unfactored Dead Load:	28.690 k
Seismic Base Shear (E):	1.040 k

1.2D + 1.0Ev + 1.0Eh Seismic

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
27	107	218	273	0.014	15	270
26	102.5	285	335	0.017	18	354
25	99.5	59	66	0.003	4	73
24	97	275	297	0.015	16	342
23	93.35	234	238	0.012	13	290
22	90.85	123	120	0.006	6	153
21	87.5	384	354	0.018	19	477
20	83	317	270	0.014	14	394
19	80.5	121	98	0.005	5	150
18	77.5	619	475	0.024	25	769
17	72.5	643	445	0.023	24	799
16	67.5	667	414	0.021	22	828
15	62.5	691	381	0.020	20	858
14	57.5	715	347	0.018	19	888
13	54	293	129	0.007	7	363
12	51.5	901	370	0.019	20	1,120
11	49	611	233	0.012	12	759
10	46.5	532	187	0.010	10	661
9	42.5	910	279	0.014	15	1,130
8	37.5	938	237	0.012	13	1,165
7	32.5	967	197	0.010	11	1,201
6	27.5	995	157	0.008	8	1,236
5	22.5	1,024	119	0.006	6	1,272
4	17.5	1,053	83	0.004	4	1,307
3	12.5	1,081	51	0.003	3	1,343
2	7.5	1,110	24	0.001	1	1,378
1	2.5	1,138	5	0.000	0	1,414
Generic RRU	109	1,125	1,451	0.074	78	1,397
Generic 48" x 24" Junction Box	109	150	194	0.010	10	186
Generic 96" x 16" Panel	109	450	581	0.030	31	559
Generic Round Platform with Handrails	109	2,500	3,225	0.165	173	3,105
Generic Round Platform with Handrails	99	2,500	2,785	0.143	149	3,105
Generic Round Platform with Handrails	90	2,500	2,407	0.123	129	3,105
Ericsson Radio 4449 B71 B85A	99	225	251	0.013	13	279

Segment	Height Above Base (ft)	Weight (lb)	W _z (lb-ft)	C _{vx}	Horizontal Force (lb)	Vertical Force (lb)
Ericsson 4460 BAND 2/25	99	327	364	0.019	19	406
Commscope VV-65A-R1	99	71	80	0.004	4	89
Ericsson AIR 6419 B41	99	250	278	0.014	15	310
Generic Mount Reinforcement	99	200	223	0.011	12	248
RFS APXVAARR24_43-U-NA20	99	384	427	0.022	23	477
RFS DB-T1-6Z-8AB-0Z	91.7	44	44	0.002	2	55
RFS DB-T1-6Z-8AB-0Z	90	44	42	0.002	2	55
Alcatel-Lucent RRH2x40-07-U	90	152	146	0.008	8	189
Alcatel-Lucent RRH2x60 700	90	340	328	0.017	18	423
Alcatel-Lucent RRH2x40-AWS	90	132	127	0.006	7	164
Amphenol Antel BXA-171063-12CF-EDIN-X	90	90	87	0.004	5	112
Commscope SBNHH-1D65B	90	304	293	0.015	16	378
		28,691	19,515	1.000	1,044	35,635

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

Segment	Height Above Base (ft)	Weight (lb)	W _z (lb-ft)	C _{vx}	Horizontal Force (lb)	Vertical Force (lb)
27	107	218	273	0.014	15	187
26	102.5	285	335	0.017	18	244
25	99.5	59	66	0.003	4	50
24	97	275	297	0.015	16	236
23	93.35	234	238	0.012	13	201
22	90.85	123	120	0.006	6	105
21	87.5	384	354	0.018	19	329
20	83	317	270	0.014	14	272
19	80.5	121	98	0.005	5	104
18	77.5	619	475	0.024	25	531
17	72.5	643	445	0.023	24	552
16	67.5	667	414	0.021	22	572
15	62.5	691	381	0.020	20	593
14	57.5	715	347	0.018	19	613
13	54	293	129	0.007	7	251
12	51.5	901	370	0.019	20	773
11	49	611	233	0.012	12	525
10	46.5	532	187	0.010	10	456
9	42.5	910	279	0.014	15	780
8	37.5	938	237	0.012	13	805
7	32.5	967	197	0.010	11	829
6	27.5	995	157	0.008	8	854
5	22.5	1,024	119	0.006	6	878
4	17.5	1,053	83	0.004	4	903
3	12.5	1,081	51	0.003	3	928
2	7.5	1,110	24	0.001	1	952
1	2.5	1,138	5	0.000	0	977
Generic RRU	109	1,125	1,451	0.074	78	965
Generic 48" x 24" Junction Box	109	150	194	0.010	10	129
Generic 96" x 16" Panel	109	450	581	0.030	31	386
Generic Round Platform with Handrails	109	2,500	3,225	0.165	173	2,145
Generic Round Platform with Handrails	99	2,500	2,785	0.143	149	2,145
Generic Round Platform with Handrails	90	2,500	2,407	0.123	129	2,145
Ericsson Radio 4449 B71 B85A	99	225	251	0.013	13	193
Ericsson 4460 BAND 2/25	99	327	364	0.019	19	281
Commscope VV-65A-R1	99	71	80	0.004	4	61
Ericsson AIR 6419 B41	99	250	278	0.014	15	214
Generic Mount Reinforcement	99	200	223	0.011	12	172
RFS APXVAARR24_43-U-NA20	99	384	427	0.022	23	329
RFS DB-T1-6Z-8AB-0Z	91.7	44	44	0.002	2	38
RFS DB-T1-6Z-8AB-0Z	90	44	42	0.002	2	38
Alcatel-Lucent RRH2x40-07-U	90	152	146	0.008	8	130
Alcatel-Lucent RRH2x60 700	90	340	328	0.017	18	292
Alcatel-Lucent RRH2x40-AWS	90	132	127	0.006	7	113
Amphenol Antel BXA-171063-12CF-EDIN-X	90	90	87	0.004	5	77

ASSET: 284982, OLD LYME II CT
 CUSTOMER: T-MOBILE

CODE: ANSI/TIA-222-H
 ENG NO: 14049010_C3_03

Segment	Height Above Base (ft)	Weight (lb)	W _z (lb-ft)	C _{vx}	Horizontal Force (lb)	Vertical Force (lb)
Commscope SBNHH-1D65B	90	304	293	0.015	16	261
		28,691	19,515	1.000	1,044	24,616

1.2D + 1.0Ev + 1.0Eh Seismic

CALCULATED FORCES

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (fr-kips)	Mu Mx (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (kips)	Phi Mn (kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-34.22	-1.05	0.00	-95.83	0.00	95.83	4,151.50	1,086.71	5,106	4,446.83	0.00	0.00	0.03
5.00	-32.84	-1.05	0.00	-90.60	0.00	90.60	4,081.17	1,057.22	4,833	4,252.04	0.00	-0.01	0.03
10.00	-31.50	-1.05	0.00	-85.36	0.00	85.36	4,008.49	1,027.73	4,567	4,058.97	0.01	-0.01	0.03
15.00	-30.19	-1.05	0.00	-80.12	0.00	80.12	3,933.44	998.24	4,309	3,867.83	0.03	-0.02	0.03
20.00	-28.92	-1.04	0.00	-74.88	0.00	74.88	3,856.03	968.75	4,058	3,678.84	0.05	-0.03	0.03
25.00	-27.68	-1.04	0.00	-69.67	0.00	69.67	3,776.27	939.27	3,815	3,492.19	0.08	-0.03	0.03
30.00	-26.48	-1.03	0.00	-64.48	0.00	64.48	3,694.14	909.78	3,579	3,308.11	0.12	-0.04	0.03
35.00	-25.32	-1.02	0.00	-59.33	0.00	59.33	3,609.65	880.29	3,351	3,126.78	0.17	-0.05	0.03
40.00	-24.19	-1.01	0.00	-54.23	0.00	54.23	3,522.80	850.80	3,130	2,948.43	0.22	-0.05	0.03
45.00	-23.53	-1.00	0.00	-49.20	0.00	49.20	3,433.58	821.32	2,917	2,773.25	0.28	-0.06	0.03
48.00	-22.77	-0.99	0.00	-46.20	0.00	46.20	3,378.92	803.62	2,793	2,669.76	0.32	-0.07	0.02
50.00	-21.65	-0.97	0.00	-44.23	0.00	44.23	3,342.01	791.83	2,711	2,601.46	0.35	-0.07	0.02
53.00	-21.29	-0.96	0.00	-41.33	0.00	41.33	2,635.57	657.08	2,240	2,046.20	0.40	-0.07	0.03
55.00	-20.40	-0.94	0.00	-39.41	0.00	39.41	2,608.58	647.25	2,174	1,994.70	0.43	-0.08	0.03
60.00	-19.54	-0.92	0.00	-34.69	0.00	34.69	2,539.46	622.68	2,012	1,867.51	0.51	-0.08	0.03
65.00	-18.71	-0.90	0.00	-30.07	0.00	30.07	2,467.98	598.10	1,856	1,742.70	0.60	-0.09	0.03
70.00	-17.91	-0.88	0.00	-25.55	0.00	25.55	2,394.14	573.53	1,707	1,620.47	0.70	-0.10	0.02
75.00	-17.14	-0.86	0.00	-21.15	0.00	21.15	2,317.94	548.96	1,564	1,501.04	0.81	-0.11	0.02
80.00	-16.99	-0.85	0.00	-16.87	0.00	16.87	2,219.90	524.39	1,427	1,372.58	0.93	-0.11	0.02
81.00	-16.60	-0.84	0.00	-16.01	0.00	16.01	1,125.47	312.99	847	695.08	0.95	-0.12	0.04
81.00	-16.60	-0.84	0.00	-16.01	0.00	16.01	2,199.09	519.47	1,400	1,346.84	0.95	-0.12	0.02
85.00	-16.12	-0.82	0.00	-12.66	0.00	12.66	1,102.35	301.19	785	654.99	1.05	-0.12	0.03
90.00	-11.54	-0.62	0.00	-8.57	0.00	8.57	1,071.33	286.45	710	605.19	1.18	-0.13	0.03
91.70	-11.20	-0.61	0.00	-7.51	0.00	7.51	1,060.24	281.44	685	588.38	1.23	-0.13	0.02
95.00	-10.86	-0.59	0.00	-5.51	0.00	5.51	1,037.94	271.71	638	555.95	1.32	-0.14	0.02
99.00	-5.87	-0.34	0.00	-3.16	0.00	3.16	1,009.53	259.91	584	517.09	1.44	-0.14	0.01
100.00	-5.52	-0.32	0.00	-2.82	0.00	2.82	1,002.19	256.96	571	507.46	1.47	-0.14	0.01
105.00	-5.25	-0.30	0.00	-1.22	0.00	1.22	964.09	242.22	507	459.95	1.62	-0.14	0.01
109.00	0.00	-0.29	0.00	0.00	0.00	0.00	931.90	230.42	459	422.77	1.74	-0.14	0.00

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

CALCULATED FORCES

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (fr-kips)	Mu Mx (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (kips)	Phi Mn (kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-23.64	-1.04	0.00	-95.07	0.00	95.07	4,151.50	1,086.71	5,106	4,446.83	0.00	0.00	0.03
5.00	-22.69	-1.05	0.00	-89.84	0.00	89.84	4,081.17	1,057.22	4,833	4,252.04	0.00	-0.01	0.03
10.00	-21.76	-1.05	0.00	-84.61	0.00	84.61	4,008.49	1,027.73	4,567	4,058.97	0.01	-0.01	0.03
15.00	-20.86	-1.04	0.00	-79.38	0.00	79.38	3,933.44	998.24	4,309	3,867.83	0.03	-0.02	0.03
20.00	-19.98	-1.04	0.00	-74.17	0.00	74.17	3,856.03	968.75	4,058	3,678.84	0.05	-0.03	0.03
25.00	-19.12	-1.03	0.00	-68.97	0.00	68.97	3,776.27	939.27	3,815	3,492.19	0.08	-0.03	0.03
30.00	-18.29	-1.02	0.00	-63.81	0.00	63.81	3,694.14	909.78	3,579	3,308.11	0.12	-0.04	0.02
35.00	-17.49	-1.01	0.00	-58.69	0.00	58.69	3,609.65	880.29	3,351	3,126.78	0.17	-0.05	0.02
40.00	-16.71	-1.00	0.00	-53.63	0.00	53.63	3,522.80	850.80	3,130	2,948.43	0.22	-0.05	0.02
45.00	-16.25	-0.99	0.00	-48.64	0.00	48.64	3,433.58	821.32	2,917	2,773.25	0.28	-0.06	0.02
48.00	-15.73	-0.98	0.00	-45.67	0.00	45.67	3,378.92	803.62	2,793	2,669.76	0.32	-0.07	0.02
50.00	-14.95	-0.96	0.00	-43.71	0.00	43.71	3,342.01	791.83	2,711	2,601.46	0.35	-0.07	0.02
53.00	-14.70	-0.95	0.00	-40.83	0.00	40.83	2,635.57	657.08	2,240	2,046.20	0.39	-0.07	0.03
55.00	-14.09	-0.93	0.00	-38.93	0.00	38.93	2,608.58	647.25	2,174	1,994.70	0.42	-0.08	0.03
60.00	-13.50	-0.91	0.00	-34.26	0.00	34.26	2,539.46	622.68	2,012	1,867.51	0.51	-0.08	0.02
65.00	-12.92	-0.89	0.00	-29.69	0.00	29.69	2,467.98	598.10	1,856	1,742.70	0.60	-0.09	0.02
70.00	-12.37	-0.87	0.00	-25.22	0.00	25.22	2,394.14	573.53	1,707	1,620.47	0.70	-0.10	0.02

ASSET: 284982, OLD LYME II CT
 CUSTOMER: T-MOBILE

CODE: ANSI/TIA-222-H
 ENG NO: 14049010_C3_03

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (fr-kips)	Mu Mx (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (kips)	Phi Mn (kips)	Total Deflect (in)	Rotation (deg)	Ratio
75.00	-11.84	-0.85	0.00	-20.87	0.00	20.87	2,317.94	548.96	1,564	1,501.04	0.81	-0.11	0.02
80.00	-11.74	-0.84	0.00	-16.64	0.00	16.64	2,219.90	524.39	1,427	1,372.58	0.92	-0.11	0.02
81.00	-11.47	-0.83	0.00	-15.80	0.00	15.80	1,125.47	312.99	847	695.08	0.94	-0.11	0.03
81.00	-11.47	-0.83	0.00	-15.80	0.00	15.80	2,199.09	519.47	1,400	1,346.84	0.94	-0.11	0.02
85.00	-11.14	-0.81	0.00	-12.49	0.00	12.49	1,102.35	301.19	785	654.99	1.04	-0.12	0.03
90.00	-7.97	-0.61	0.00	-8.45	0.00	8.45	1,071.33	286.45	710	605.19	1.17	-0.13	0.02
91.70	-7.74	-0.60	0.00	-7.41	0.00	7.41	1,060.24	281.44	685	588.38	1.22	-0.13	0.02
95.00	-7.50	-0.58	0.00	-5.44	0.00	5.44	1,037.94	271.71	638	555.95	1.31	-0.13	0.02
99.00	-4.06	-0.33	0.00	-3.11	0.00	3.11	1,009.53	259.91	584	517.09	1.42	-0.14	0.01
100.00	-3.81	-0.32	0.00	-2.78	0.00	2.78	1,002.19	256.96	571	507.46	1.45	-0.14	0.01
105.00	-3.62	-0.30	0.00	-1.20	0.00	1.20	964.09	242.22	507	459.95	1.60	-0.14	0.01
109.00	0.00	-0.29	0.00	0.00	0.00	0.00	931.90	230.42	459	422.77	1.72	-0.14	0.00

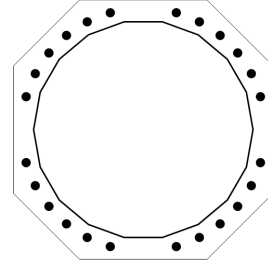
ANALYSIS SUMMARY

Load Case	Reactions						Max Usage	
	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)	Elev (ft)	Interaction Ratio
1.2D + 1.0W	26.89	0.00	34.39	0.00	0.00	2244.64	81.00	0.55
0.9D + 1.0W	26.88	0.00	25.79	0.00	0.00	2230.41	81.00	0.54
1.2D + 1.0Di + 1.0Wi	6.29	0.00	47.08	0.00	0.00	509.22	81.00	0.14
1.2D + 1.0Ev + 1.0Eh	1.05	0.00	34.22	0.00	0.00	95.83	81.00	0.04
0.9D - 1.0Ev + 1.0Eh	1.05	0.00	23.64	0.00	0.00	95.07	81.00	0.03
1.0D + 1.0W	5.45	0.00	28.69	0.00	0.00	453.67	81.00	0.12

BASE PLATE ANALYSIS @ 0 FT

PLATE PARAMETERS (ID# 16784)

Width:	62.75	in
Shape:	Square	
Thickness:	2.75	in
Grade:	A572-50	
Yield Strength:	50	ksi
Tensile Strength:	65	ksi
Clip Length:	16	in
Rod Detail Type:	d	
Clear Distance:	4.5	in
Base Weld Size:	0.125	in
Orientation Offset:	-	°
Analysis Type:	Plastic	
Neutral Axis:	124	°



ANCHOR ROD PARAMETERS

Class	Arrangement	Quantity	Diameter (in)	Circle (in)	Grade	Fy (ksi)	Fu (ksi)	Spacing (in)	Offset (°)
Original [ID# 17178]	Cluster	24	2.25	58.75	A615-75	75	100	6	-

ANCHOR ROD GEOMETRY AND APPLIED LOADS --- ORIGINAL (24) 2.25"Ø [ID 17178]

Position	Radians	X (in)	Y (in)	Moment Arm (in)	Inertia (in ⁴)	Axial Load (k)	Shear Load (k)
1	0.275	28.27	7.97	-26.650	2307.386	-61.39	0.56
2	0.479	26.07	13.54	-27.879	2525.083	-61.39	0.20
3	0.683	22.78	18.54	-27.949	2537.812	-61.39	0.16
4	0.888	18.54	22.78	-26.857	2343.476	-61.39	0.52
5	1.092	13.54	26.07	-24.649	1974.059	-61.39	0.86
6	1.296	7.97	28.27	-21.416	1490.357	-61.39	1.16
7	1.846	-7.97	28.27	-8.792	251.861	-61.39	1.71
8	2.050	-13.54	26.07	-3.203	34.164	-61.39	1.79
9	2.254	-18.54	22.78	2.518	21.435	67.12	1.79
10	2.458	-22.78	18.54	8.135	215.770	67.12	1.72
11	2.663	-26.07	13.54	13.414	585.187	67.12	1.58
12	2.867	-28.27	7.97	18.135	1068.890	67.12	1.37
13	3.416	-28.27	-7.97	26.650	2307.386	67.12	0.56
14	3.621	-26.07	-13.54	27.879	2525.083	67.12	0.20
15	3.825	-22.78	-18.54	27.949	2537.812	67.12	0.16
16	4.029	-18.54	-22.78	26.857	2343.476	67.12	0.52
17	4.233	-13.54	-26.07	24.649	1974.059	67.12	0.86
18	4.438	-7.97	-28.27	21.416	1490.357	67.12	1.16
19	4.987	7.97	-28.27	8.792	251.861	67.12	1.71
20	5.191	13.54	-26.07	3.203	34.164	67.12	1.79
21	5.396	18.54	-22.78	-2.518	21.435	-61.39	1.79
22	5.600	22.78	-18.54	-8.135	215.770	-61.39	1.72
23	5.804	26.07	-13.54	-13.414	585.187	-61.39	1.58
24	6.008	28.27	-7.97	-18.135	1068.890	-61.39	1.37

REACTION DISTRIBUTION

Component	ID	Moment Mu (k-ft)	Axial Load Pu (k)	Shear Vu (k)	Moment Factor
Pole	52.4"Ø x 0.375" (18 Sides)	2244.6	34.39	26.89	1.000
Bolt Group	Original (24) 2.25"Ø	2244.6	-	26.89	1.000
TOTALS		2244.64	34.39	26.89	

COMPONENT PROPERTIES

Component	ID	Gross Area (in ²)	Net Area (in ²)	Individual Inertia (in ⁴)	Moment of Inertia (in ⁴)	Threads/in
Pole	52.4"Ø x 0.375" (18 Sides)	60.9798	-	-	20633.87	-
Bolt Group	Original (24) 2.25"Ø	3.9761	3.2477	0.8393	30710.96	4.5

ASSET: 284982, OLD LYME II CT
 CUSTOMER: T-MOBILE

CODE: ANSI/TIA-222-H
 ENG NO: 14049010

EXTERNAL BASE PLATE BEND LINE ANALYSIS @ 0 FT

POLE PROPERTIES

Flat-to-Flat Diameter: 52.52 in
 Point-to-Point Diameter: 53.34 in
 Flat Width: 9.262 in
 Flat Radians: 0.349 rad

PLATE PROPERTIES

Neutral Axis: 124 °
 Bend Line Lower Limit: rad
 Bend Line Upper Limit: -0.122 rad

Bend Line	Chord Length (in)	Additional Length (in)	Section Modulus (in ³)	Applied Moment Mu (k-in)	Moment Capacity φMn (k-in)	Ratio
Flat	36.217	0.00	68.473	343.7	3081.3	0.112
Corner	35.407	0.00	66.941	216.6	3012.3	0.072

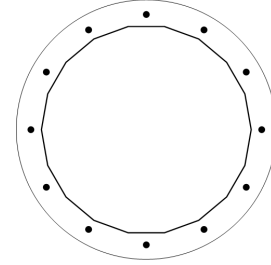
PLASTIC ANCHOR ROD ANALYSIS

Class	Group Quantity	Rod Diameter (in)	Applied Axial Load Pu (k)	Applied Shear Load Vu (k)	Compressive Capacity φPn (k)	Ratio
Original	24	2.25	67.2	1.8	243.6	0.276

UPPER FLANGE PLATE ANALYSIS @ 81 FT

PLATE PARAMETERS (ID# 16785)

Diameter: 37.875 in
 Shape: Round
 Thickness: 1.25 in
 Grade: A572-60
 Yield Strength: 60 ksi
 Tensile Strength: 75 ksi
 Pole Weld Size: 0.125 in
 Orientation Offset: - °
 Analysis Type: Plastic
 Neutral Axis: 150 °



FLANGE BOLT PARAMETERS

Class	Arrangement	Quantity	Diameter (in)	Circle (in)	Grade	Fy (ksi)	Fu (ksi)	Spacing (in)	Offset (°)
Original [ID# 17179]	Radial	12	1	33.625	A325	92	120	-	-

FLANGE BOLT GEOMETRY AND APPLIED LOADS --- ORIGINAL (12) 1"Ø [ID 17179]

Position	Radians	X (in)	Y (in)	Moment Arm (in)	Inertia (in ⁴)	Axial Load (k)	Shear Load (k)
1	0.524	14.56	8.41	-14.019	119.074	-34.44	1.26
2	1.047	8.41	14.56	-16.188	158.756	-34.44	0.00
3	1.571	0.00	16.81	-14.019	119.074	-34.44	1.26
4	2.094	-8.41	14.56	-8.094	39.711	-34.44	2.19
5	2.618	-14.56	8.41	0.000	0.029	-34.44	2.53
6	3.142	-16.81	0.00	8.094	39.711	39.62	2.19
7	3.665	-14.56	-8.41	14.019	119.074	39.62	1.26
8	4.189	-8.41	-14.56	16.188	158.756	39.62	0.00
9	4.712	0.00	-16.81	14.019	119.074	39.62	1.26
10	5.236	8.41	-14.56	8.094	39.711	39.62	2.19
11	5.760	14.56	-8.41	0.000	0.029	-34.44	2.53
12	6.283	16.81	0.00	-8.094	39.711	-34.44	2.19

REACTION DISTRIBUTION

Component	ID	Moment Mu (k-ft)	Axial Load Pu (k)	Shear Vu (k)	Moment Factor
Pole	30.1555"Ø x 0.1875" (18 Sides)	372.8	15.54	18.86	1.000
Bolt Group	Original (12) 1"Ø	372.8	-	18.86	1.000
TOTALS		372.82	15.54	18.86	

ASSET: 284982, OLD LYME II CT
 CUSTOMER: T-MOBILE

CODE: ANSI/TIA-222-H
 ENG NO: 14049010

COMPONENT PROPERTIES

Component	ID	Gross Area (in ²)	Net Area (in ²)	Individual Inertia (in ⁴)	Moment of Inertia (in ⁴)	Threads/in
Pole	30.1555"ø x 0.1875" (18 Sides)	17.5631	-	-	1971.85	-
Bolt Group	Original (12) 1"ø	0.7854	0.6057	0.0292	952.71	8.0

EXTERNAL UPPER FLANGE PLATE BEND LINE ANALYSIS @ 81 FT

POLE PROPERTIES

Flat-to-Flat Diameter: 30.28 in
 Point-to-Point Diameter: 30.75 in
 Flat Width: 5.339 in
 Flat Radians: 0.349 rad

PLATE PROPERTIES

Neutral Axis: 150 °
 Bend Line Lower Limit: 3.781 rad
 Bend Line Upper Limit: 4.597 rad

Bend Line	Chord Length (in)	Additional Length (in)	Section Modulus (in ³)	Applied Moment Mu (k-in)	Moment Capacity φMn (k-in)	Ratio
Flat	17.948	0.00	7.011	49.6	378.6	0.131
Corner	17.135	0.00	6.694	38.5	361.5	0.107
Circumferential	19.617	0.00	7.663	38.5	413.8	0.093

PLASTIC FLANGE BOLT ANALYSIS

Class	Group Quantity	Bolt Diameter (in)	Applied Axial Load Pu (k)	Applied Shear Load Vu (k)	Compressive Capacity φPn (k)	Ratio
Original	12	1	39.6	2.5	54.5	0.727



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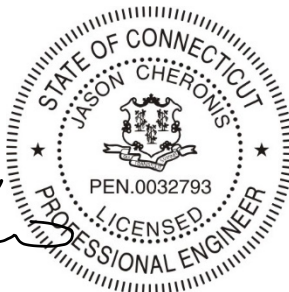
This report was prepared for American Tower Corporation by



Antenna Mount Analysis Report

ATC Site Name : OLD LYME II CT
ATC Site Number : 284982
Engineering Number : 14049010_C8_01
Mount Elevation : 99.5 ft
Carrier : T-MOBILE
Carrier Site Name : Amtrak_OldLyme4
Carrier Site Number : CTNL803A
Site Location : 232 Shore Road
Old Lyme, CT 06371
41.29183013, -72.28693327
County : New London
Date : March 24, 2022
Max Usage : 48%
Result : Pass

Prepared By: Cait Campbell
Jason Cheronis
Vice President of Structural Engineering



3/24/22



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Introduction

The purpose of this report is to summarize results of the antenna mount analysis performed for T-Mobile at 99.0 ft.

Supporting Documents

Spec. Sheet	Spec Sheet for Perfect Vision Part #: PV-LPPGS-12M-HR2-AP1, dated July 15, 2020
RFDS	RFDS dated February 25, 2022
Photos	Site photos from 2021
Structural Analysis	TEP Engineering #: 13728751_C3_01, dated September 20, 2021

Analysis

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

Basic Wind Speed:	126 mph, Vult (3-Second Gust)
Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ 1" Radial Ice (Escalating)
Codes:	TIA-222-H
Structure Class:	II
Exposure Category:	C
Topographic Factor Procedure:	Method 2
Topographic Feature:	Flat
Crest Height:	0 ft
Spectral Response:	$S_s = 0.197, S_1 = 0.053$
Site Class:	D (assumed)
Live Loads:	$L_m = 500 \text{ lbs}, L_v = 250 \text{ lbs}$

Conclusion

Based on the analysis results, the antenna mount meets the requirements per the applicable codes listed above. The mount can support the equipment as described in this report.

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

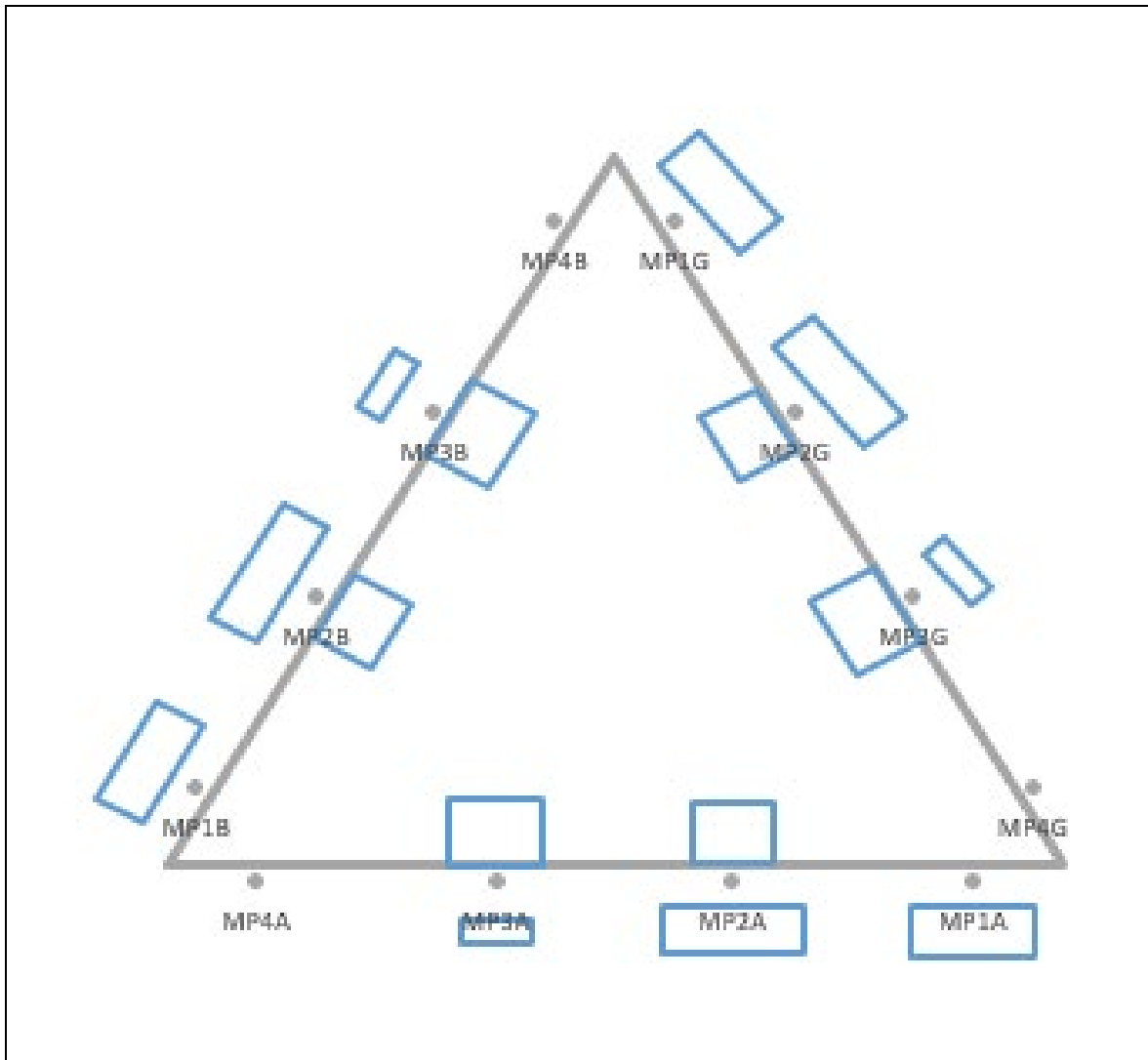
Antenna Loading

Mount Centerline (ft)	Antenna Centerline (ft)	Qty	Antenna Model
99.5	99.0	3	Commscope VV-65A-R1
		3	Ericsson AIR 6419 B41
		3	RFS APXVAARR24_43-U-NA20
		3	Ericsson Radio 4449 B71 B85A
		3	Ericsson 4460 BAND 2/25

Structure Usages

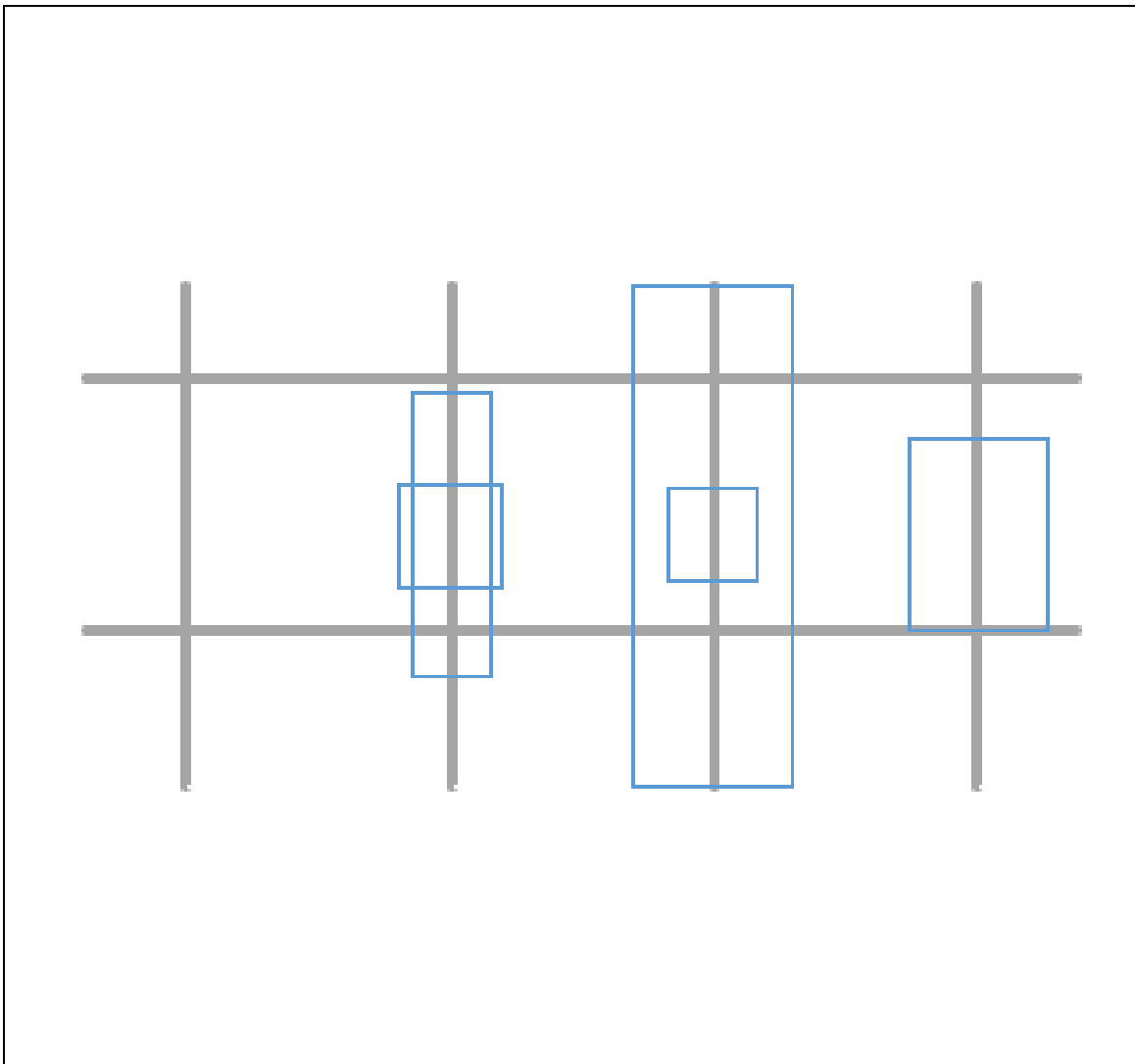
Structural Component	Controlling Usage	Pass/Fail
Mount Pipes	48%	Pass
Support Rails	28%	Pass
Horizontals	23%	Pass
Bolts	20%	Pass
Standoffs	17%	Pass
Faces	11%	Pass
Kickers	8%	Pass
Flange Plates	7%	Pass
Flange Plate Bolts	1%	Pass

Mount Layout (From Above)



Equipment Model	Quantity	Height (in)	Width (in)	Depth (in)	Azimuth	Sector	Mount Pipe #
VV-65A-R1	1	54.7	12.1	4.6	0	A/B	3
AIR 6419 B41	1	36.3	20.9	9	0	A/B	1
APXVAARR24_43-U-NA20	1	95.9	24	8.7	0	A/B	2
VV-65A-R1	1	54.7	12.1	4.6	-10	C	3
AIR 6419 B41	1	36.3	20.9	9	-10	C	1
APXVAARR24_43-U-NA20	1	95.9	24	8.7	-10	C	2
Radio 4449 B71 B85A	1	17.91	13.2	10.63	0	A/B/C	2
4460 BAND 2/25	1	19.6	15.7	12.1	0	A/B/C	3

Equipment Layout (From Front)



Equipment Model	Quantity	Height (in)	Width (in)	Depth (in)	Azimuth	Sector	Mount Pipe #
VV-65A-R1	1	54.7	12.1	4.6	0	A/B	3
AIR 6419 B41	1	36.3	20.9	9	0	A/B	1
APXVAARR24_43-U-NA20	1	95.9	24	8.7	0	A/B	2
VV-65A-R1	1	54.7	12.1	4.6	-10	C	3
AIR 6419 B41	1	36.3	20.9	9	-10	C	1
APXVAARR24_43-U-NA20	1	95.9	24	8.7	-10	C	2
Radio 4449 B71 B85A	1	17.91	13.2	10.63	0	A/B/C	2
4460 BAND 2/25	1	19.6	15.7	12.1	0	A/B/C	3

Standard Conditions

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

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

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

POD Group assumes that all structures were constructed in accordance with the drawings and specifications.

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

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

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

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



POD Job # 22-125098
 Site Number 284982
 Site Name OLD LYME II CT

General Site Information

Mount Type	SFP	Risk Category	II	I (seismic)	1		
V (Wind Speed)	126	I (ice)	1	Sms	0.315		
Zs	27.95	Ss	0.197	Sm1	0.127	Front Outer Dimensions	width (ft) height (ft)
tl	1	S1	0.053	Sds	0.210		12.5 4
Vl	50	Soil Site Class	D (assumed)	Sd1	0.085		
Kzt	1	Fa	1.600	Seismic Design Category			
Exposure	C	Fv	2.400	B			
zg	900	Tower Type	Monopole	Seismic Analysis Not Required			
a	9.5	Tower Height	109	R	2	TIA-222-H 16.7	
Kmin	0.85			As	1	TIA-222-H 16.7	
G _H	1			Cs, Min	0.03	TIA-222-H 2.7.7.1.1	
Ke	1.00			Cs	0.10506667	TIA-222-H 2.7.7.1.1	
K _o	0.95						
K _a	0.9						

Appurtenance Information

Model	Shielded	% Shielded	Centerline	Centerline on MP	Spacing (in)	Azimuth	Sector	Quantity	MP #
VV-65A-R1			99	4	45		A/B	1	3
AIR 6419 B41			99	4	25		A/B	1	1
APXVAARR24_43-U-NA20			99	4	70		A/B	1	2
VV-65A-R1			99	4	45	-10	C	1	3
AIR 6419 B41			99	4	25	-10	C	1	1
APXVAARR24_43-U-NA20			99	4	70	-10	C	1	2
Radio 4449 B71 B85A			99	4			A/B/C	1	2
4460 BAND 2/25			99	4			A/B/C	1	3

Mount Information

Elevation (ft)	99.5	Grating Thickness (in)	1
K _r	1.26	Grating Ice Weight (k/ft ²)	0.014
K _{iz}	1.12		
tz	1.12		

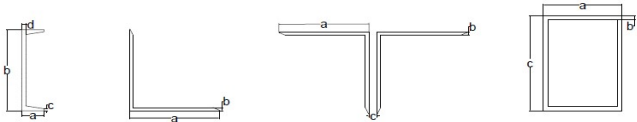
Mount Pipes	Length (ft)	Width (in)	Centerline
	8	2.375	99

Round Members

Member	Length (ft)	Width (in)	Frame Member	# of Members
FACE on	12.5	3.5	Yes	2
FACE off	12.5	3.5	No	1
RAIL on	12.5	2.375	Yes	2
RAIL off	12.5	2.375	No	1
CR	1.907	3.5	No	6
END	0.665	3.5	No	6
CON	1.583	2.375	No	3

Flat Members

Member	Length (ft)	Width (in)	Shape	A	B	C	D	Frame Member	# of Members
SO	5.797	5	Square HSS		3	0.375	5	No	3
SUPP	2.484	1.25	Angle		1.25	0.125		No	6
KICKER	6.87	2.5	D. Angle		2.5	0.1875	0.375	No	3



Appurtenance Wind Calculations

Model	Height	Width	Depth	Weight (lbs)	Kz	qz (lb/ft ²)	(EPA) _w (ft ⁻²)	(EPA) _e (ft ⁻²)	Wind Force (Kips)				
									Front	Side	Alpha	Beta	Gamma
VV-65A-R1	54.7	12.1	4.6	23.8	1.26	48.71	5.34	2.46	0.260	0.120	0.225	0.225	0.120
AIR 6419 B41	36.3	20.9	9.0	83.3	1.26	48.71	5.69	2.59	0.277	0.126	0.239	0.239	0.126
APXVAARR24_43-U-NA20	95.9	24.0	8.7	153.3	1.26	48.71	18.22	8.00	0.887	0.390	0.763	0.763	0.390
VV-65A-R1	54.7	12.1	4.6	23.8	1.26	48.71	5.34	2.46	0.260	0.120	0.202	0.202	0.124
AIR 6419 B41	36.3	20.9	9.0	83.3	1.26	48.71	5.69	2.59	0.277	0.126	0.215	0.215	0.131
APXVAARR24_43-U-NA20	95.9	24.0	8.7	153.3	1.26	48.71	18.22	8.00	0.887	0.390	0.682	0.682	0.405
Radio 4449 B71 B85A	17.9	13.2	10.6	46.3	1.26	48.71	1.77	1.43	0.086	0.070	0.082	0.082	0.070
4460 BAND 2/25	19.6	15.7	12.1	109.0	1.26	48.71	2.31	1.78	0.112	0.087	0.106	0.106	0.087

Appurtenance Ice Calculations

Model	tiz (in)	Height	Width	Depth	Weight (lbs)	Kiz	qz (lb/ft ²)	(EPA) _w (ft ⁻²)	(EPA) _e (ft ⁻²)	Wind Force (Kips)				
										Front	Side	Alpha	Beta	Gamma
VV-65A-R1	1.12	56.93	14.33	6.83	82.00	1.12	7.67	6.45	3.51	0.050	0.027	0.044	0.044	0.027
AIR 6419 B41	1.12	38.53	23.13	11.23	103.18	1.12	7.67	6.69	3.36	0.051	0.026	0.045	0.045	0.026
APXVAARR24_43-U-NA20	1.12	98.13	26.23	10.93	263.09	1.12	7.67	20.19	9.83	0.155	0.075	0.135	0.135	0.075
VV-65A-R1	1.12	56.93	14.33	6.83	82.00	1.12	7.67	6.45	3.51	0.050	0.027	0.036	0.036	0.028
AIR 6419 B41	1.12	38.53	23.13	11.23	103.18	1.12	7.67	6.69	3.36	0.051	0.026	0.037	0.037	0.027
APXVAARR24_43-U-NA20	1.12	98.13	26.23	10.93	263.09	1.12	7.67	20.19	9.83	0.155	0.075	0.110	0.110	0.080
Radio 4449 B71 B85A	1.12	20.14	15.43	12.86	48.13	1.12	7.67	2.33	1.94	0.018	0.015	0.017	0.017	0.015
4460 BAND 2/25	1.12	21.83	17.93	14.33	61.17	1.12	7.67	2.94	2.35	0.023	0.018	0.021	0.021	0.018

Round Members

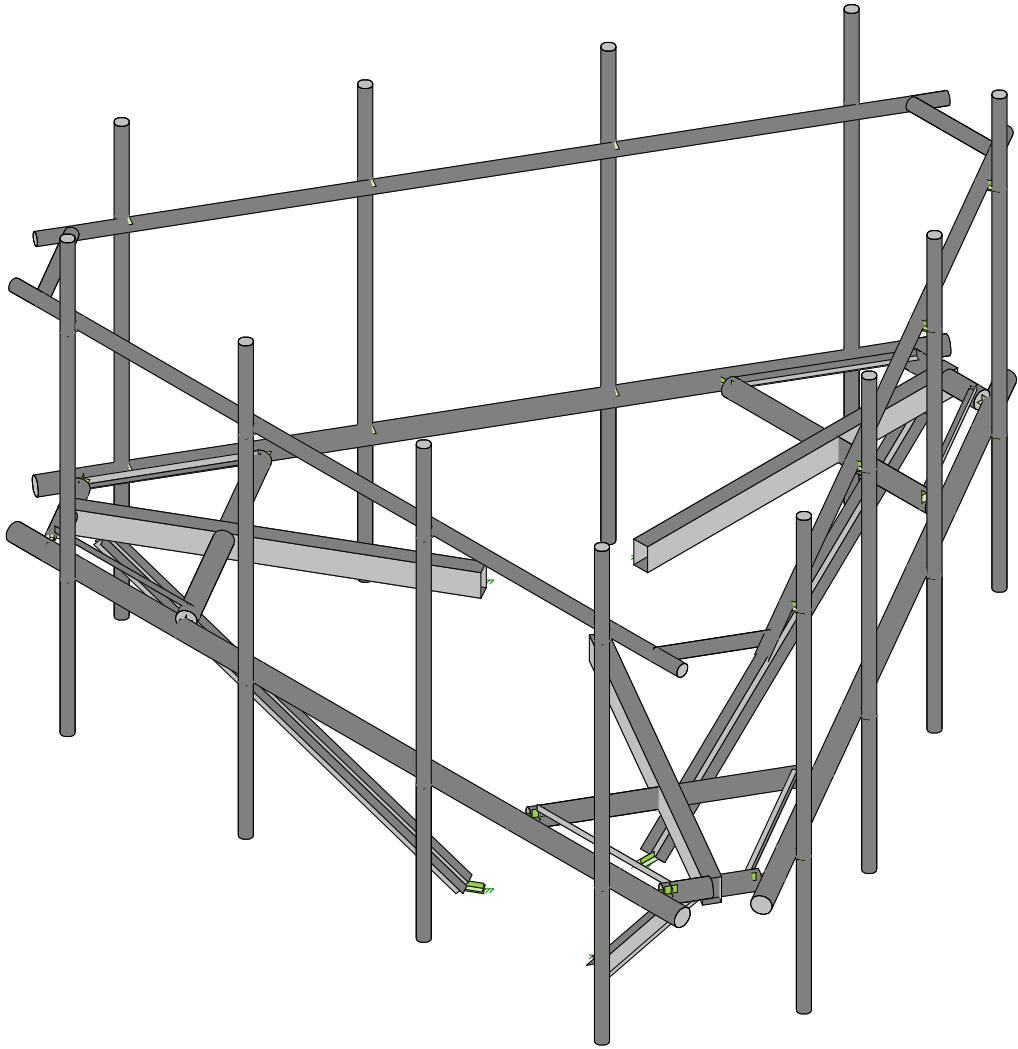
Member	qt (lb/ft ²)	Ar	C	Wind Calculations				Ice Calculations							
				Rr	Cf	EPA (ft ²)	Load (k/ft)	Width (in)	Weight (k/ft)	qt (lb/ft ²)	Arice	Rrice	Cf	EPA (ft ²)	Load (k/ft)
FACE on	48.77	7.29	40.28	0.58	1.20	2.28	0.009	5.73	0.01	7.68	11.94	0.64	1.20	4.12	0.003
FACE off	48.77	3.65	40.28	0.58	1.20	2.28	0.004	5.73	0.01	7.68	5.97	0.64	1.20	4.12	0.001
RAIL on	48.77	4.95	27.33	0.58	1.20	1.56	0.006	4.61	0.00	7.68	9.60	0.64	1.20	3.31	0.002
RAIL off	48.77	2.47	27.33	0.58	1.20	1.56	0.003	4.61	0.00	7.68	4.80	0.64	1.20	3.31	0.001
CR	48.77	3.34	40.28	0.58	1.20	0.35	0.004	5.73	0.01	7.68	5.47	0.64	1.20	0.63	0.001
END	48.77	1.16	40.28	0.58	1.20	0.12	0.004	5.73	0.01	7.68	1.91	0.64	1.20	0.22	0.001
CON	48.77	0.94	27.33	0.58	1.20	0.20	0.003	4.61	0.00	7.68	1.82	0.64	1.20	0.42	0.001

Flat Members

Member	qt (lb/ft ²)	Af	Cf	Wind Calculations			Ice Calculations						
				EPA	Load (k/ft)	Width (in)	Weight (k/ft)	qt (lb/ft ²)	Arice	Rrice	Cf	EPA	Load (k/ft)
SO	48.77	7.25	1.25	2.72	0.011	7.23	0.01	7.68	10.48	0.64	1.25	2.51	0.002
SUPP	48.77	1.55	2.00	0.47	0.005	3.48	0.00	7.68	4.33	0.64	2.00	0.83	0.001
KICKER	48.77	4.29	2.00	2.58	0.009	4.73	0.01	7.68	8.13	0.64	2.00	3.12	0.002

Appurtenance Seismic Calculations

Model	Weight	Sds	p	Cs	As	Ev	Eh
VV-65A-R1	23.8	0.210	1.000	0.105	1.000	0.001	0.003
AIR 6419 B41	83.3	0.210	1.000	0.105	1.000	0.004	0.009
APXVAARR24_43-U-NA20	153.3	0.210	1.000	0.105	1.000	0.006	0.016
VV-65A-R1	23.8	0.210	1.000	0.105	1.000	0.001	0.003
AIR 6419 B41	83.3	0.210	1.000	0.105	1.000	0.004	0.009
APXVAARR24_43-U-NA20	153.3	0.210	1.000	0.105	1.000	0.006	0.016
Radio 4449 B71 B85A	46.3	0.210	1.000	0.105	1.000	0.002	0.005
4460 BAND 2/25	109.0	0.210	1.000	0.105	1.000	0.005	0.011



Power of Design

CC

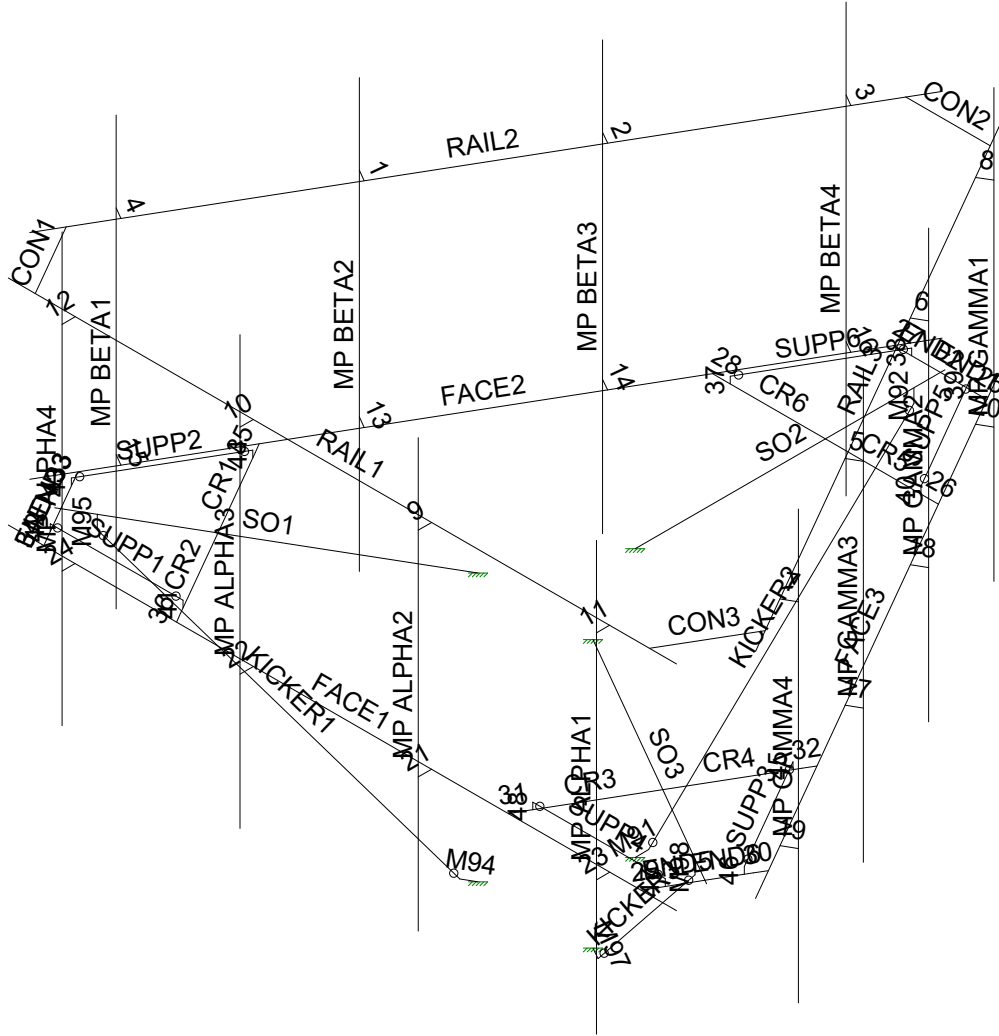
22-125098

284982

SK - 2

Mar 24, 2022 at 11:45 AM

(PL90) 12.5' Perfect Vision Platfor...



Power of Design

CC

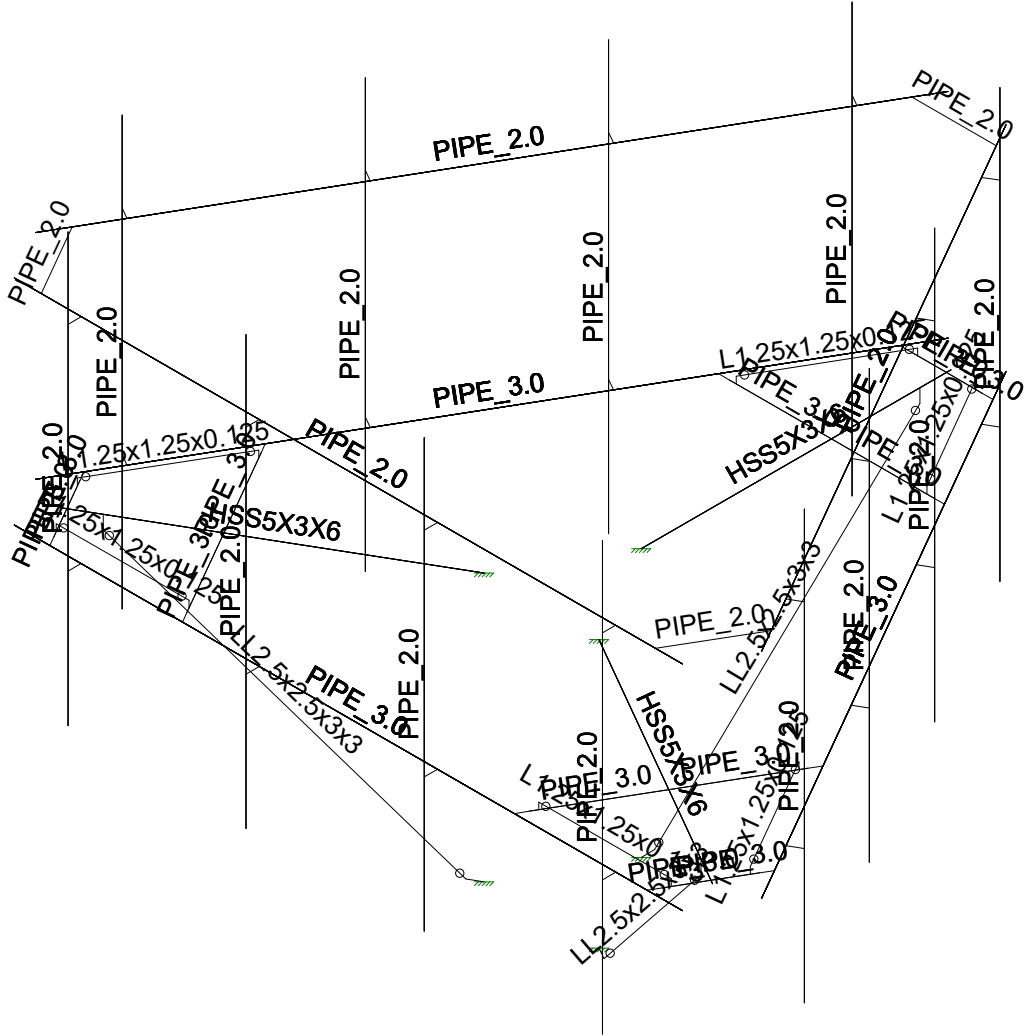
22-125098

284982

SK - 1

Mar 24, 2022 at 11:44 AM

(PL90) 12.5' Perfect Vision Platfor...



Power of Design

CC

22-125098

284982

SK - 3

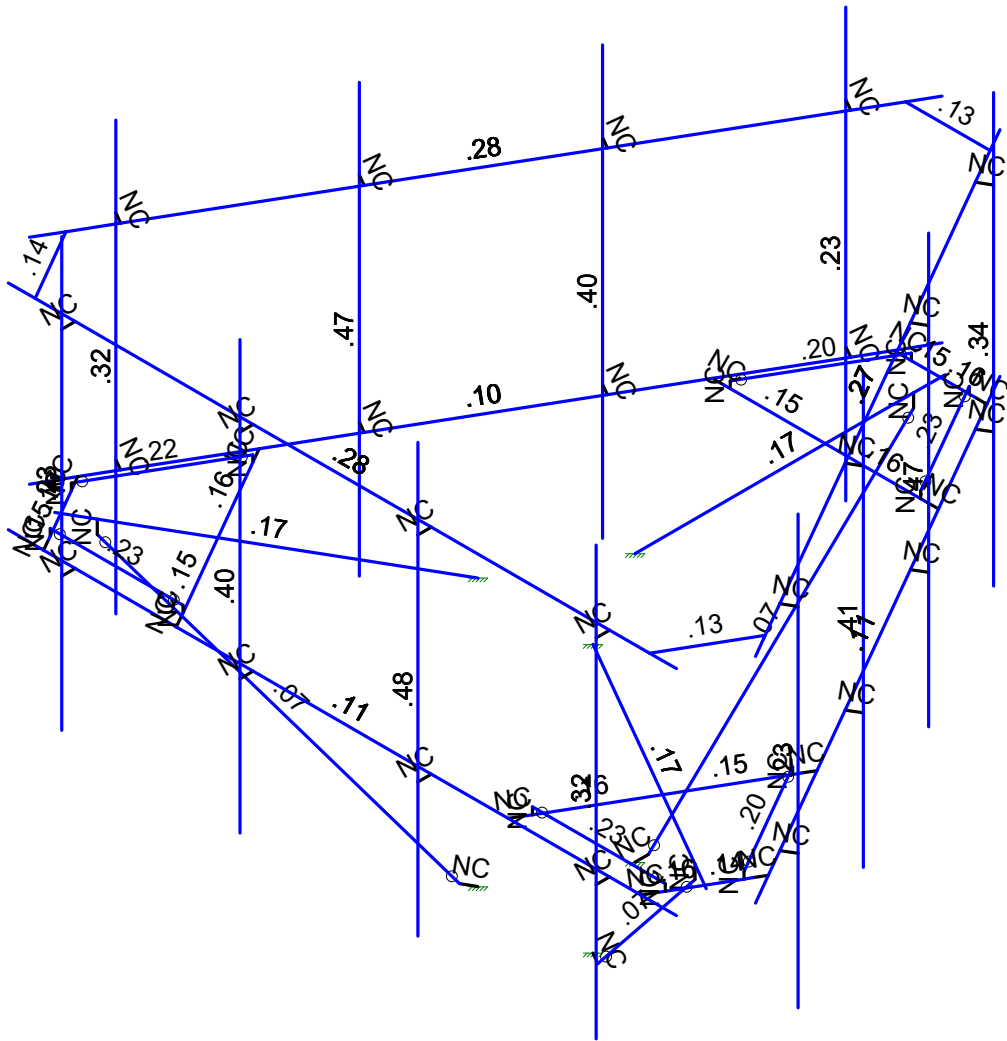
Mar 24, 2022 at 11:45 AM

(PL90) 12.5' Perfect Vision Platfor...



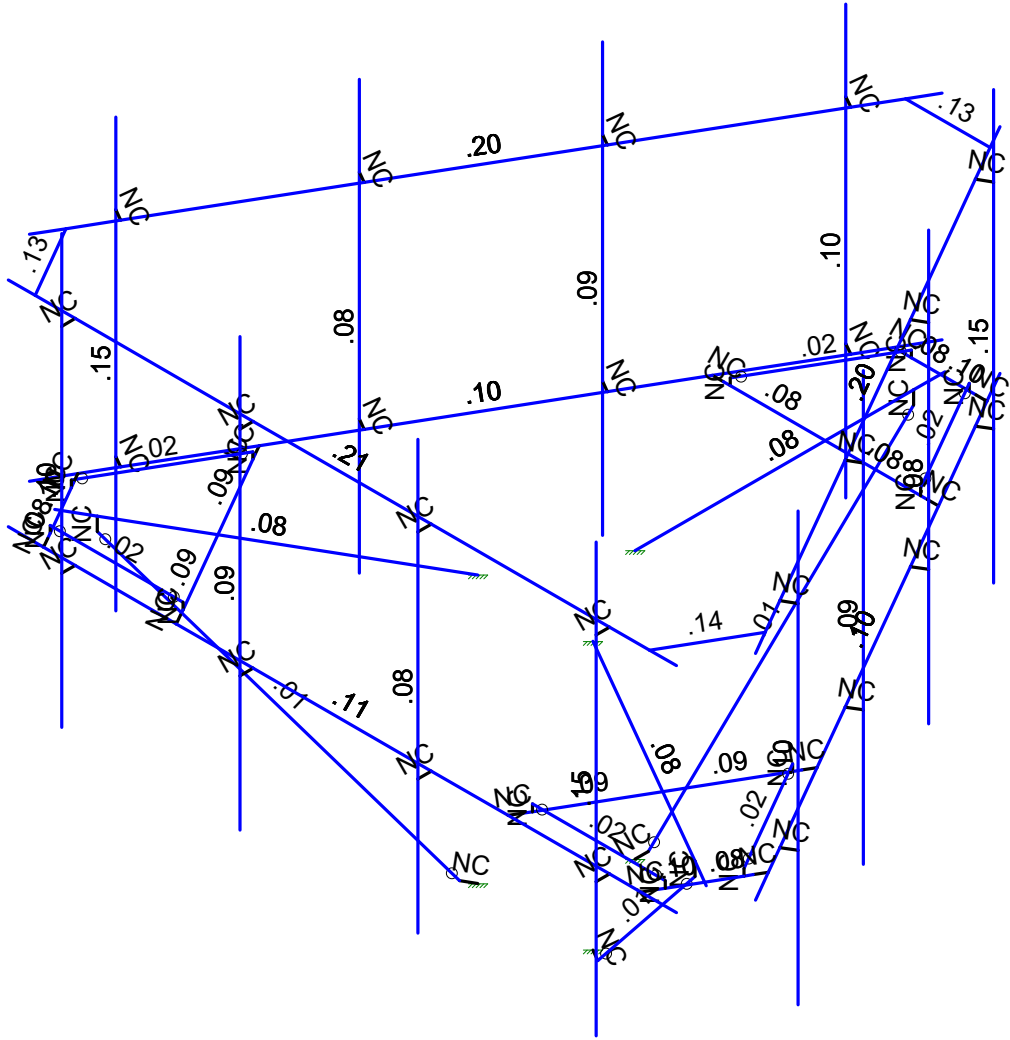
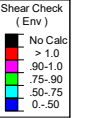
Code Check
(Env)

- No Calc
- > 1.0
- .90-1.0
- .75-.90
- .50-.75
- 0-.50



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

Power of Design	284982	SK - 4
CC		Mar 24, 2022 at 11:45 AM
22-125098		(PL90) 12.5' Perfect Vision Platfor...



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

Power of Design	284982	SK - 5
CC		Mar 24, 2022 at 11:45 AM
22-125098		(PL90) 12.5' Perfect Vision Platfor...



Company : Power of Design
 Designer : CC
 Job Number : 22-125098
 Model Name : 284982

Mar 24, 2022
 11:45 AM
 Checked By: _____

Joint Boundary Conditions

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
1	N11	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
2	N104A	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
3	N117A	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
4	N154	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
5	N159	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
6	N164	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torque[ft]	Kyy	Kzz	Cb	Function
1	CON1	PIPE 2.0	1.583			Lbyy						Lateral
2	CON2	PIPE 2.0	1.583			Lbyy						Lateral
3	CON3	PIPE 2.0	1.583			Lbyy						Lateral
4	CR1	PIPE 3.0	1.907			Lbyy						Lateral
5	CR2	PIPE 3.0	1.907			Lbyy						Lateral
6	CR3	PIPE 3.0	1.907			Lbyy						Lateral
7	CR4	PIPE 3.0	1.907			Lbyy						Lateral
8	CR5	PIPE 3.0	1.907			Lbyy						Lateral
9	CR6	PIPE 3.0	1.907			Lbyy						Lateral
10	END1	PIPE 3.0	.665			Lbyy						Lateral
11	END2	PIPE 3.0	.665			Lbyy						Lateral
12	END3	PIPE 3.0	.665			Lbyy						Lateral
13	END4	PIPE 3.0	.665			Lbyy						Lateral
14	END5	PIPE 3.0	.665			Lbyy						Lateral
15	END6	PIPE 3.0	.665			Lbyy						Lateral
16	FACE1	PIPE 3.0	12.5			Lbyy						Lateral
17	FACE2	PIPE 3.0	12.5			Lbyy						Lateral
18	FACE3	PIPE 3.0	12.5			Lbyy						Lateral
19	KICKER1	LL2.5x2.5x...	6.87			Lbyy						Lateral
20	KICKER2	LL2.5x2.5x...	6.87			Lbyy						Lateral
21	KICKER3	LL2.5x2.5x...	6.87			Lbyy						Lateral
22	MP ALPHA1	PIPE 2.0	8			Lbyy						Lateral
23	MP ALPHA2	PIPE 2.0	8			Lbyy						Lateral
24	MP ALPHA3	PIPE 2.0	8			Lbyy						Lateral
25	MP ALPHA4	PIPE 2.0	8			Lbyy						Lateral
26	MP BETA1	PIPE 2.0	8			Lbyy						Lateral
27	MP BETA2	PIPE 2.0	8			Lbyy						Lateral
28	MP BETA3	PIPE 2.0	8			Lbyy						Lateral
29	MP BETA4	PIPE 2.0	8			Lbyy						Lateral
30	MP GAMMA1	PIPE 2.0	8			Lbyy						Lateral
31	MP GAMMA2	PIPE 2.0	8			Lbyy						Lateral
32	MP GAMMA3	PIPE 2.0	8			Lbyy						Lateral
33	MP GAMMA4	PIPE 2.0	8			Lbyy						Lateral
34	RAIL1	PIPE 2.0	12.5			Lbyy						Lateral
35	RAIL2	PIPE 2.0	12.5			Lbyy						Lateral
36	RAIL3	PIPE 2.0	12.5			Lbyy						Lateral
37	SO1	HSS5X3X6	5.797			Lbyy						Lateral
38	SO2	HSS5X3X6	5.797			Lbyy						Lateral
39	SO3	HSS5X3X6	5.797			Lbyy						Lateral
40	SUPP1	L1.25x1.25...	2.484			Lbyy						Lateral
41	SUPP2	L1.25x1.25...	2.484			Lbyy						Lateral
42	SUPP3	L1.25x1.25...	2.484			Lbyy						Lateral
43	SUPP4	L1.25x1.25...	2.484			Lbyy						Lateral
44	SUPP5	L1.25x1.25...	2.484			Lbyy						Lateral
45	SUPP6	L1.25x1.25...	2.484			Lbyy						Lateral



Company : Power of Design
 Designer : CC
 Job Number : 22-125098
 Model Name : 284982

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Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(...)	Section/Shape	Type	Design List	Material	Design Rules
1	1	N110A	N111A			RIGID	None	None	RIGID	Typical
2	2	N108A	N109A			RIGID	None	None	RIGID	Typical
3	3	N106A	N107A			RIGID	None	None	RIGID	Typical
4	4	N104	N105			RIGID	None	None	RIGID	Typical
5	5	N102	N103			RIGID	None	None	RIGID	Typical
6	6	N100	N101			RIGID	None	None	RIGID	Typical
7	7	N98	N99			RIGID	None	None	RIGID	Typical
8	8	N96	N97			RIGID	None	None	RIGID	Typical
9	9	N94	N95			RIGID	None	None	RIGID	Typical
10	10	N92	N93			RIGID	None	None	RIGID	Typical
11	11	N90	N91			RIGID	None	None	RIGID	Typical
12	12	N88	N89			RIGID	None	None	RIGID	Typical
13	13	N74	N75			RIGID	None	None	RIGID	Typical
14	14	N72	N73			RIGID	None	None	RIGID	Typical
15	15	N70	N71			RIGID	None	None	RIGID	Typical
16	16	N68	N69			RIGID	None	None	RIGID	Typical
17	17	N66	N67			RIGID	None	None	RIGID	Typical
18	18	N64	N65			RIGID	None	None	RIGID	Typical
19	19	N62	N63			RIGID	None	None	RIGID	Typical
20	20	N60	N61			RIGID	None	None	RIGID	Typical
21	21	N58	N59			RIGID	None	None	RIGID	Typical
22	22	N56	N57			RIGID	None	None	RIGID	Typical
23	23	N54	N55			RIGID	None	None	RIGID	Typical
24	24	N52	N53			RIGID	None	None	RIGID	Typical
25	25	N15	N142A			RIGID	None	None	RIGID	Typical
26	26	N145	N144A			RIGID	None	None	RIGID	Typical
27	27	N141	N14			RIGID	None	None	RIGID	Typical
28	28	N146A	N143			RIGID	None	None	RIGID	Typical
29	29	N120A	N128A			RIGID	None	None	RIGID	Typical
30	30	N127A	N119A			RIGID	None	None	RIGID	Typical
31	31	N125A	N124A			RIGID	None	None	RIGID	Typical
32	32	N126A	N123A			RIGID	None	None	RIGID	Typical
33	33	N107B	N115A			RIGID	None	None	RIGID	Typical
34	34	N114A	N106B			RIGID	None	None	RIGID	Typical
35	35	N112A	N111B			RIGID	None	None	RIGID	Typical
36	36	N113A	N110B			RIGID	None	None	RIGID	Typical
37	37	N135A	N131A			RIGID	None	None	RIGID	Typical
38	38	N134A	N130A			RIGID	None	None	RIGID	Typical
39	39	N132A	N128B			RIGID	None	None	RIGID	Typical
40	40	N133A	N129A			RIGID	None	None	RIGID	Typical
41	41	N144	N140		120	RIGID	None	None	RIGID	Typical
42	42	N143B	N139		120	RIGID	None	None	RIGID	Typical
43	43	N141A	N137		120	RIGID	None	None	RIGID	Typical
44	44	N142	N138A		120	RIGID	None	None	RIGID	Typical
45	45	N153	N149		240	RIGID	None	None	RIGID	Typical
46	46	N152	N148		240	RIGID	None	None	RIGID	Typical
47	47	N150	N146		240	RIGID	None	None	RIGID	Typical
48	48	N151	N147		240	RIGID	None	None	RIGID	Typical
49	CON1	N106	N107		270	PIPE 2.0	Beam	Pipe	A500 Gr.B RND	Typical
50	CON2	N110	N111		90	PIPE 2.0	Beam	Pipe	A500 Gr.B RND	Typical
51	CON3	N108	N109			PIPE 2.0	Beam	Pipe	A500 Gr.B RND	Typical
52	CR1	N112A	N109B		180	PIPE 3.0	Beam	None	A500 Gr.B RND	Typical
53	CR2	N109B	N113A		180	PIPE 3.0	Beam	None	A500 Gr.B RND	Typical
54	CR3	N125A	N122A			PIPE 3.0	Beam	None	A500 Gr.B RND	Typical
55	CR4	N122A	N126A			PIPE 3.0	Beam	None	A500 Gr.B RND	Typical
56	CR5	N145	N156			PIPE 3.0	Beam	None	A500 Gr.B RND	Typical



Company : Power of Design
 Designer : CC
 Job Number : 22-125098
 Model Name : 284982

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Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(...)	Section/Shape	Type	Design List	Material	Design Rules
57	CR6	N156	N146A			PIPE 3.0	Beam	None	A500 Gr.B RND	Typical
58	END1	N15	N138			PIPE 3.0	Beam	Pipe	A500 Gr.B RND	Typical
59	END2	N138	N14			PIPE 3.0	Beam	Pipe	A500 Gr.B RND	Typical
60	END3	N107B	N108B		180	PIPE 3.0	Beam	Pipe	A500 Gr.B RND	Typical
61	END4	N108B	N106B		180	PIPE 3.0	Beam	Pipe	A500 Gr.B RND	Typical
62	END5	N120A	N121A			PIPE 3.0	Beam	Pipe	A500 Gr.B RND	Typical
63	END6	N121A	N119A			PIPE 3.0	Beam	Pipe	A500 Gr.B RND	Typical
64	FACE1	N1	N2			PIPE 3.0	Beam	None	A500 Gr.B RND	Typical
65	FACE2	N5	N6			PIPE 3.0	Beam	None	A500 Gr.B RND	Typical
66	FACE3	N3	N4			PIPE 3.0	Beam	None	A500 Gr.B RND	Typical
67	KICKER1	N160	N158		291.761	LL2.5x2.5x3x3	Beam	Double Angle (...)	A36 Gr.36	Typical
68	KICKER2	N155	N153A		180	LL2.5x2.5x3x3	Beam	Double Angle (...)	A36 Gr.36	Typical
69	KICKER3	N165	N163		68.239	LL2.5x2.5x3x3	Beam	Double Angle (...)	A36 Gr.36	Typical
70	M91	N154	N155			RIGID	None	None	RIGID	Typical
71	M92	N152A	N153A			RIGID	None	None	RIGID	Typical
72	M94	N159	N160		180	RIGID	None	None	RIGID	Typical
73	M95	N157	N158		240	RIGID	None	None	RIGID	Typical
74	M97	N164	N165			RIGID	None	None	RIGID	Typical
75	M98	N162	N163		120	RIGID	None	None	RIGID	Typical
76	MP ALPHA1	N125	N113			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
77	MP ALPHA2	N127	N115			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
78	MP ALPHA3	N126	N114			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
79	MP ALPHA4	N124	N112			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
80	MP BETA1	N132	N120			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
81	MP BETA2	N135	N123			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
82	MP BETA3	N134	N122			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
83	MP BETA4	N133	N121			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
84	MP GAMM...	N128	N116			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
85	MP GAMM...	N130	N118			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
86	MP GAMM...	N131	N119			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
87	MP GAMM...	N129	N117			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
88	RAIL1	N82	N83			PIPE 2.0	Beam	None	A53 Gr.B	Typical
89	RAIL2	N86	N87			PIPE 2.0	Beam	None	A53 Gr.B	Typical
90	RAIL3	N84	N85			PIPE 2.0	Beam	None	A53 Gr.B	Typical
91	SO1	N104A	N105A		270	HSS5X3X6	Beam	SquareTube	A500 Gr.B Rect	Typical
92	SO2	N11	N12		90	HSS5X3X6	Beam	SquareTube	A500 Gr.B Rect	Typical
93	SO3	N117A	N118A		90	HSS5X3X6	Beam	SquareTube	A500 Gr.B Rect	Typical
94	SUPP1	N139	N140			L1.25x1.25x0.125	Beam	Single Angle	A36 Gr.36	Typical
95	SUPP2	N137	N138A		90	L1.25x1.25x0.125	Beam	Single Angle	A36 Gr.36	Typical
96	SUPP3	N148	N149		180	L1.25x1.25x0.125	Beam	Single Angle	A36 Gr.36	Typical
97	SUPP4	N146	N147		270	L1.25x1.25x0.125	Beam	Single Angle	A36 Gr.36	Typical
98	SUPP5	N128B	N129A		90	L1.25x1.25x0.125	Beam	Single Angle	A36 Gr.36	Typical
99	SUPP6	N130A	N131A		180	L1.25x1.25x0.125	Beam	Single Angle	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Ra...	Analysis Offset[...	Inactive	Seismic...
1	1						Yes	** NA **			None
2	2						Yes	** NA **			None
3	3						Yes	** NA **			None
4	4						Yes	** NA **			None
5	5						Yes	** NA **			None
6	6						Yes	** NA **			None
7	7						Yes	** NA **			None
8	8						Yes	** NA **			None
9	9						Yes	** NA **			None



Company : Power of Design
 Designer : CC
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Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Ra...	Analysis Offset[...	Inactive	Seismic...
10	10						Yes	** NA **			None
11	11						Yes	** NA **			None
12	12						Yes	** NA **			None
13	13						Yes	** NA **			None
14	14						Yes	** NA **			None
15	15						Yes	** NA **			None
16	16						Yes	** NA **			None
17	17						Yes	** NA **			None
18	18						Yes	** NA **			None
19	19						Yes	** NA **			None
20	20						Yes	** NA **			None
21	21						Yes	** NA **			None
22	22						Yes	** NA **			None
23	23						Yes	** NA **			None
24	24						Yes	** NA **			None
25	25						Yes	** NA **			None
26	26						Yes	** NA **			None
27	27						Yes	** NA **			None
28	28						Yes	** NA **			None
29	29						Yes	** NA **			None
30	30						Yes	** NA **			None
31	31						Yes	** NA **			None
32	32						Yes	** NA **			None
33	33						Yes	** NA **			None
34	34						Yes	** NA **			None
35	35						Yes	** NA **			None
36	36						Yes	** NA **			None
37	37						Yes	** NA **			None
38	38						Yes	** NA **			None
39	39						Yes	** NA **			None
40	40						Yes	** NA **			None
41	41						Yes	** NA **			None
42	42						Yes	** NA **			None
43	43						Yes	** NA **			None
44	44						Yes	** NA **			None
45	45						Yes	** NA **			None
46	46						Yes	** NA **			None
47	47						Yes	** NA **			None
48	48						Yes	** NA **			None
49	CON1						Yes				None
50	CON2						Yes				None
51	CON3						Yes				None
52	CR1						Yes				None
53	CR2						Yes				None
54	CR3						Yes				None
55	CR4						Yes				None
56	CR5						Yes				None
57	CR6						Yes				None
58	END1						Yes				None
59	END2						Yes				None
60	END3						Yes				None
61	END4						Yes				None
62	END5						Yes				None
63	END6						Yes				None
64	FACE1						Yes				None
65	FACE2						Yes				None
66	FACE3						Yes				None



Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Ra...	Analysis Offset[j...	Inactive	Seismic...
67	KICKER1	00000X	00000X				Yes	Default			None
68	KICKER2	00000X	00000X				Yes	Default			None
69	KICKER3	00000X	00000X				Yes	Default			None
70	M91						Yes	** NA **			None
71	M92						Yes	** NA **			None
72	M94						Yes	** NA **			None
73	M95						Yes	** NA **			None
74	M97						Yes	** NA **			None
75	M98						Yes	** NA **			None
76	MP ALPHA1						Yes				None
77	MP ALPHA2						Yes				None
78	MP ALPHA3						Yes				None
79	MP ALPHA4						Yes				None
80	MP BETA1						Yes				None
81	MP BETA2						Yes				None
82	MP BETA3						Yes				None
83	MP BETA4						Yes				None
84	MP GAMM...						Yes				None
85	MP GAMM...						Yes				None
86	MP GAMM...						Yes				None
87	MP GAMM...						Yes				None
88	RAIL1						Yes				None
89	RAIL2						Yes				None
90	RAIL3						Yes				None
91	SO1						Yes				None
92	SO2						Yes				None
93	SO3						Yes				None
94	SUPP1	BenPIN	BenPIN				Yes	Default			None
95	SUPP2	BenPIN	BenPIN				Yes	Default			None
96	SUPP3	BenPIN	BenPIN				Yes	Default			None
97	SUPP4	BenPIN	BenPIN				Yes	Default			None
98	SUPP5	BenPIN	BenPIN				Yes	Default			None
99	SUPP6	BenPIN	BenPIN				Yes	Default			None

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1...	Density[k/ft^3]	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.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

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 ALPHA3	Y	-.13	5.875
2	MP ALPHA3	Y	-.13	2.125
3	MP BETA3	Y	-.077	5.875



Company : Power of Design
 Designer : CC
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Member Point Loads (BLC 2 : Wind Load (0)) (Continued)

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft. %]
4	MP BETA3	Y	-.077	2.125
5	MP ALPHA1	Y	-.139	5.042
6	MP ALPHA1	Y	-.139	2.958
7	MP BETA1	Y	-.082	5.042
8	MP BETA1	Y	-.082	2.958
9	MP ALPHA2	Y	-.444	6.917
10	MP ALPHA2	Y	-.444	1.083
11	MP BETA2	Y	-.257	6.917
12	MP BETA2	Y	-.257	1.083
13	MP GAMMA3	Y	-.089	5.875
14	MP GAMMA3	Y	-.089	2.125
15	MP GAMMA1	Y	-.094	5.042
16	MP GAMMA1	Y	-.094	2.958
17	MP GAMMA2	Y	-.298	6.917
18	MP GAMMA2	Y	-.298	1.083
19	MP ALPHA2	Y	-.086	4
20	MP BETA2	Y	-.074	4
21	MP GAMMA2	Y	-.074	4
22	MP ALPHA3	Y	-.112	4
23	MP BETA3	Y	-.093	4
24	MP GAMMA3	Y	-.093	4

Member Point Loads (BLC 3 : Dead Load)

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft. %]
1	MP ALPHA3	Z	-.012	5.875
2	MP ALPHA3	Z	-.012	2.125
3	MP BETA3	Z	-.012	5.875
4	MP BETA3	Z	-.012	2.125
5	MP ALPHA1	Z	-.042	5.042
6	MP ALPHA1	Z	-.042	2.958
7	MP BETA1	Z	-.042	5.042
8	MP BETA1	Z	-.042	2.958
9	MP ALPHA2	Z	-.077	6.917
10	MP ALPHA2	Z	-.077	1.083
11	MP BETA2	Z	-.077	6.917
12	MP BETA2	Z	-.077	1.083
13	MP GAMMA3	Z	-.012	5.875
14	MP GAMMA3	Z	-.012	2.125
15	MP GAMMA1	Z	-.042	5.042
16	MP GAMMA1	Z	-.042	2.958
17	MP GAMMA2	Z	-.077	6.917
18	MP GAMMA2	Z	-.077	1.083
19	MP ALPHA2	Z	-.046	4
20	MP BETA2	Z	-.046	4
21	MP GAMMA2	Z	-.046	4
22	MP ALPHA3	Z	-.109	4
23	MP BETA3	Z	-.109	4
24	MP GAMMA3	Z	-.109	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft. %]
1	MP ALPHA3	Y	-.097	5.875
2	MP ALPHA3	Y	-.097	2.125
3	MP ALPHA3	X	-.056	5.875
4	MP ALPHA3	X	-.056	2.125
5	MP BETA3	Y	-.052	5.875



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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft, %]
6	MP BETA3	Y	-052	2.125
7	MP BETA3	X	-03	5.875
8	MP BETA3	X	-03	2.125
9	MP ALPHA1	Y	-104	5.042
10	MP ALPHA1	Y	-104	2.958
11	MP ALPHA1	X	-06	5.042
12	MP ALPHA1	X	-06	2.958
13	MP BETA1	Y	-055	5.042
14	MP BETA1	Y	-055	2.958
15	MP BETA1	X	-032	5.042
16	MP BETA1	X	-032	2.958
17	MP ALPHA2	Y	-33	6.917
18	MP ALPHA2	Y	-33	1.083
19	MP ALPHA2	X	-191	6.917
20	MP ALPHA2	X	-191	1.083
21	MP BETA2	Y	-169	6.917
22	MP BETA2	Y	-169	1.083
23	MP BETA2	X	-097	6.917
24	MP BETA2	X	-097	1.083
25	MP GAMMA3	Y	-105	5.875
26	MP GAMMA3	Y	-105	2.125
27	MP GAMMA3	X	-061	5.875
28	MP GAMMA3	X	-061	2.125
29	MP GAMMA1	Y	-112	5.042
30	MP GAMMA1	Y	-112	2.958
31	MP GAMMA1	X	-065	5.042
32	MP GAMMA1	X	-065	2.958
33	MP GAMMA2	Y	-359	6.917
34	MP GAMMA2	Y	-359	1.083
35	MP GAMMA2	X	-207	6.917
36	MP GAMMA2	X	-207	1.083
37	MP ALPHA2	Y	-071	4
38	MP ALPHA2	X	-041	4
39	MP BETA2	Y	-06	4
40	MP BETA2	X	-035	4
41	MP GAMMA2	Y	-071	4
42	MP GAMMA2	X	-041	4
43	MP ALPHA3	Y	-092	4
44	MP ALPHA3	X	-053	4
45	MP BETA3	Y	-075	4
46	MP BETA3	X	-043	4
47	MP GAMMA3	Y	-092	4
48	MP GAMMA3	X	-053	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft, %]
1	MP ALPHA3	Y	-039	5.875
2	MP ALPHA3	Y	-039	2.125
3	MP ALPHA3	X	-067	5.875
4	MP ALPHA3	X	-067	2.125
5	MP BETA3	Y	-039	5.875
6	MP BETA3	Y	-039	2.125
7	MP BETA3	X	-067	5.875
8	MP BETA3	X	-067	2.125
9	MP ALPHA1	Y	-041	5.042
10	MP ALPHA1	Y	-041	2.958



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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft. %]
11	MP ALPHA1	X	-0.71	5.042
12	MP ALPHA1	X	-0.71	2.958
13	MP BETA1	Y	-0.41	5.042
14	MP BETA1	Y	-0.41	2.958
15	MP BETA1	X	-0.71	5.042
16	MP BETA1	X	-0.71	2.958
17	MP ALPHA2	Y	-1.29	6.917
18	MP ALPHA2	Y	-1.29	1.083
19	MP ALPHA2	X	-2.23	6.917
20	MP ALPHA2	X	-2.23	1.083
21	MP BETA2	Y	-1.29	6.917
22	MP BETA2	Y	-1.29	1.083
23	MP BETA2	X	-2.23	6.917
24	MP BETA2	X	-2.23	1.083
25	MP GAMMA3	Y	-0.64	5.875
26	MP GAMMA3	Y	-0.64	2.125
27	MP GAMMA3	X	-1.11	5.875
28	MP GAMMA3	X	-1.11	2.125
29	MP GAMMA1	Y	-0.68	5.042
30	MP GAMMA1	Y	-0.68	2.958
31	MP GAMMA1	X	-1.18	5.042
32	MP GAMMA1	X	-1.18	2.958
33	MP GAMMA2	Y	-2.18	6.917
34	MP GAMMA2	Y	-2.18	1.083
35	MP GAMMA2	X	-3.78	6.917
36	MP GAMMA2	X	-3.78	1.083
37	MP ALPHA2	Y	-0.37	4
38	MP ALPHA2	X	-0.64	4
39	MP BETA2	Y	-0.37	4
40	MP BETA2	X	-0.64	4
41	MP GAMMA2	Y	-0.43	4
42	MP GAMMA2	X	-0.75	4
43	MP ALPHA3	Y	-0.47	4
44	MP ALPHA3	X	-0.81	4
45	MP BETA3	Y	-0.47	4
46	MP BETA3	X	-0.81	4
47	MP GAMMA3	Y	-0.56	4
48	MP GAMMA3	X	-0.97	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft. %]
1	MP ALPHA3	X	-0.06	5.875
2	MP ALPHA3	X	-0.06	2.125
3	MP BETA3	X	-1.12	5.875
4	MP BETA3	X	-1.12	2.125
5	MP ALPHA1	X	-0.63	5.042
6	MP ALPHA1	X	-0.63	2.958
7	MP BETA1	X	-1.12	5.042
8	MP BETA1	X	-1.12	2.958
9	MP ALPHA2	X	-1.95	6.917
10	MP ALPHA2	X	-1.95	1.083
11	MP BETA2	X	-3.82	6.917
12	MP BETA2	X	-3.82	1.083
13	MP GAMMA3	X	-1.01	5.875
14	MP GAMMA3	X	-1.01	2.125
15	MP GAMMA1	X	-1.07	5.042



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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.-%]
16	MP GAMMA1	X	-107	2.958
17	MP GAMMA2	X	-341	6.917
18	MP GAMMA2	X	-341	1.083
19	MP ALPHA2	X	-.07	4
20	MP BETA2	X	-.082	4
21	MP GAMMA2	X	-.082	4
22	MP ALPHA3	X	-.087	4
23	MP BETA3	X	-.106	4
24	MP GAMMA3	X	-.106	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.-%]
1	MP ALPHA3	Y	.039	5.875
2	MP ALPHA3	Y	.039	2.125
3	MP ALPHA3	X	-.067	5.875
4	MP ALPHA3	X	-.067	2.125
5	MP BETA3	Y	.065	5.875
6	MP BETA3	Y	.065	2.125
7	MP BETA3	X	-.113	5.875
8	MP BETA3	X	-.113	2.125
9	MP ALPHA1	Y	.041	5.042
10	MP ALPHA1	Y	.041	2.958
11	MP ALPHA1	X	-.071	5.042
12	MP ALPHA1	X	-.071	2.958
13	MP BETA1	Y	.069	5.042
14	MP BETA1	Y	.069	2.958
15	MP BETA1	X	-.12	5.042
16	MP BETA1	X	-.12	2.958
17	MP ALPHA2	Y	.129	6.917
18	MP ALPHA2	Y	.129	1.083
19	MP ALPHA2	X	-.223	6.917
20	MP ALPHA2	X	-.223	1.083
21	MP BETA2	Y	.222	6.917
22	MP BETA2	Y	.222	1.083
23	MP BETA2	X	-.384	6.917
24	MP BETA2	X	-.384	1.083
25	MP GAMMA3	Y	.034	5.875
26	MP GAMMA3	Y	.034	2.125
27	MP GAMMA3	X	-.059	5.875
28	MP GAMMA3	X	-.059	2.125
29	MP GAMMA1	Y	.036	5.042
30	MP GAMMA1	Y	.036	2.958
31	MP GAMMA1	X	-.062	5.042
32	MP GAMMA1	X	-.062	2.958
33	MP GAMMA2	Y	.112	6.917
34	MP GAMMA2	Y	.112	1.083
35	MP GAMMA2	X	-.194	6.917
36	MP GAMMA2	X	-.194	1.083
37	MP ALPHA2	Y	.037	4
38	MP ALPHA2	X	-.064	4
39	MP BETA2	Y	.043	4
40	MP BETA2	X	-.075	4
41	MP GAMMA2	Y	.037	4
42	MP GAMMA2	X	-.064	4
43	MP ALPHA3	Y	.047	4
44	MP ALPHA3	X	-.081	4



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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.-%]
45	MP BETA3	Y	.056	4
46	MP BETA3	X	-.097	4
47	MP GAMMA3	Y	.047	4
48	MP GAMMA3	X	-.081	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.-%]
1	MP ALPHA3	Y	.097	5.875
2	MP ALPHA3	Y	.097	2.125
3	MP ALPHA3	X	-.056	5.875
4	MP ALPHA3	X	-.056	2.125
5	MP BETA3	Y	.097	5.875
6	MP BETA3	Y	.097	2.125
7	MP BETA3	X	-.056	5.875
8	MP BETA3	X	-.056	2.125
9	MP ALPHA1	Y	.104	5.042
10	MP ALPHA1	Y	.104	2.958
11	MP ALPHA1	X	-.06	5.042
12	MP ALPHA1	X	-.06	2.958
13	MP BETA1	Y	.104	5.042
14	MP BETA1	Y	.104	2.958
15	MP BETA1	X	-.06	5.042
16	MP BETA1	X	-.06	2.958
17	MP ALPHA2	Y	.33	6.917
18	MP ALPHA2	Y	.33	1.083
19	MP ALPHA2	X	-.191	6.917
20	MP ALPHA2	X	-.191	1.083
21	MP BETA2	Y	.33	6.917
22	MP BETA2	Y	.33	1.083
23	MP BETA2	X	-.191	6.917
24	MP BETA2	X	-.191	1.083
25	MP GAMMA3	Y	.054	5.875
26	MP GAMMA3	Y	.054	2.125
27	MP GAMMA3	X	-.031	5.875
28	MP GAMMA3	X	-.031	2.125
29	MP GAMMA1	Y	.057	5.042
30	MP GAMMA1	Y	.057	2.958
31	MP GAMMA1	X	-.033	5.042
32	MP GAMMA1	X	-.033	2.958
33	MP GAMMA2	Y	.175	6.917
34	MP GAMMA2	Y	.175	1.083
35	MP GAMMA2	X	-.101	6.917
36	MP GAMMA2	X	-.101	1.083
37	MP ALPHA2	Y	.071	4
38	MP ALPHA2	X	-.041	4
39	MP BETA2	Y	.071	4
40	MP BETA2	X	-.041	4
41	MP GAMMA2	Y	.06	4
42	MP GAMMA2	X	-.035	4
43	MP ALPHA3	Y	.092	4
44	MP ALPHA3	X	-.053	4
45	MP BETA3	Y	.092	4
46	MP BETA3	X	-.053	4
47	MP GAMMA3	Y	.075	4
48	MP GAMMA3	X	-.043	4



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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft. %]
1	MP ALPHA3	Y	.13	5.875
2	MP ALPHA3	Y	.13	2.125
3	MP BETA3	Y	.077	5.875
4	MP BETA3	Y	.077	2.125
5	MP ALPHA1	Y	.139	5.042
6	MP ALPHA1	Y	.139	2.958
7	MP BETA1	Y	.082	5.042
8	MP BETA1	Y	.082	2.958
9	MP ALPHA2	Y	.444	6.917
10	MP ALPHA2	Y	.444	1.083
11	MP BETA2	Y	.257	6.917
12	MP BETA2	Y	.257	1.083
13	MP GAMMA3	Y	.089	5.875
14	MP GAMMA3	Y	.089	2.125
15	MP GAMMA1	Y	.094	5.042
16	MP GAMMA1	Y	.094	2.958
17	MP GAMMA2	Y	.298	6.917
18	MP GAMMA2	Y	.298	1.083
19	MP ALPHA2	Y	.086	4
20	MP BETA2	Y	.074	4
21	MP GAMMA2	Y	.074	4
22	MP ALPHA3	Y	.112	4
23	MP BETA3	Y	.093	4
24	MP GAMMA3	Y	.093	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft. %]
1	MP ALPHA3	Y	.097	5.875
2	MP ALPHA3	Y	.097	2.125
3	MP ALPHA3	X	.056	5.875
4	MP ALPHA3	X	.056	2.125
5	MP BETA3	Y	.052	5.875
6	MP BETA3	Y	.052	2.125
7	MP BETA3	X	.03	5.875
8	MP BETA3	X	.03	2.125
9	MP ALPHA1	Y	.104	5.042
10	MP ALPHA1	Y	.104	2.958
11	MP ALPHA1	X	.06	5.042
12	MP ALPHA1	X	.06	2.958
13	MP BETA1	Y	.055	5.042
14	MP BETA1	Y	.055	2.958
15	MP BETA1	X	.032	5.042
16	MP BETA1	X	.032	2.958
17	MP ALPHA2	Y	.33	6.917
18	MP ALPHA2	Y	.33	1.083
19	MP ALPHA2	X	.191	6.917
20	MP ALPHA2	X	.191	1.083
21	MP BETA2	Y	.169	6.917
22	MP BETA2	Y	.169	1.083
23	MP BETA2	X	.097	6.917
24	MP BETA2	X	.097	1.083
25	MP GAMMA3	Y	.105	5.875
26	MP GAMMA3	Y	.105	2.125
27	MP GAMMA3	X	.061	5.875
28	MP GAMMA3	X	.061	2.125
29	MP GAMMA1	Y	.112	5.042



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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
30	MP GAMMA1	Y	.112	2.958
31	MP GAMMA1	X	.065	5.042
32	MP GAMMA1	X	.065	2.958
33	MP GAMMA2	Y	.359	6.917
34	MP GAMMA2	Y	.359	1.083
35	MP GAMMA2	X	.207	6.917
36	MP GAMMA2	X	.207	1.083
37	MP ALPHA2	Y	.071	4
38	MP ALPHA2	X	.041	4
39	MP BETA2	Y	.06	4
40	MP BETA2	X	.035	4
41	MP GAMMA2	Y	.071	4
42	MP GAMMA2	X	.041	4
43	MP ALPHA3	Y	.092	4
44	MP ALPHA3	X	.053	4
45	MP BETA3	Y	.075	4
46	MP BETA3	X	.043	4
47	MP GAMMA3	Y	.092	4
48	MP GAMMA3	X	.053	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA3	Y	.039	5.875
2	MP ALPHA3	Y	.039	2.125
3	MP ALPHA3	X	.067	5.875
4	MP ALPHA3	X	.067	2.125
5	MP BETA3	Y	.039	5.875
6	MP BETA3	Y	.039	2.125
7	MP BETA3	X	.067	5.875
8	MP BETA3	X	.067	2.125
9	MP ALPHA1	Y	.041	5.042
10	MP ALPHA1	Y	.041	2.958
11	MP ALPHA1	X	.071	5.042
12	MP ALPHA1	X	.071	2.958
13	MP BETA1	Y	.041	5.042
14	MP BETA1	Y	.041	2.958
15	MP BETA1	X	.071	5.042
16	MP BETA1	X	.071	2.958
17	MP ALPHA2	Y	.129	6.917
18	MP ALPHA2	Y	.129	1.083
19	MP ALPHA2	X	.223	6.917
20	MP ALPHA2	X	.223	1.083
21	MP BETA2	Y	.129	6.917
22	MP BETA2	Y	.129	1.083
23	MP BETA2	X	.223	6.917
24	MP BETA2	X	.223	1.083
25	MP GAMMA3	Y	.064	5.875
26	MP GAMMA3	Y	.064	2.125
27	MP GAMMA3	X	.111	5.875
28	MP GAMMA3	X	.111	2.125
29	MP GAMMA1	Y	.068	5.042
30	MP GAMMA1	Y	.068	2.958
31	MP GAMMA1	X	.118	5.042
32	MP GAMMA1	X	.118	2.958
33	MP GAMMA2	Y	.218	6.917
34	MP GAMMA2	Y	.218	1.083



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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft. %]
35	MP GAMMA2	X	.378	6.917
36	MP GAMMA2	X	.378	1.083
37	MP ALPHA2	Y	.037	4
38	MP ALPHA2	X	.064	4
39	MP BETA2	Y	.037	4
40	MP BETA2	X	.064	4
41	MP GAMMA2	Y	.043	4
42	MP GAMMA2	X	.075	4
43	MP ALPHA3	Y	.047	4
44	MP ALPHA3	X	.081	4
45	MP BETA3	Y	.047	4
46	MP BETA3	X	.081	4
47	MP GAMMA3	Y	.056	4
48	MP GAMMA3	X	.097	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft. %]
1	MP ALPHA3	X	.06	5.875
2	MP ALPHA3	X	.06	2.125
3	MP BETA3	X	.112	5.875
4	MP BETA3	X	.112	2.125
5	MP ALPHA1	X	.063	5.042
6	MP ALPHA1	X	.063	2.958
7	MP BETA1	X	.12	5.042
8	MP BETA1	X	.12	2.958
9	MP ALPHA2	X	.195	6.917
10	MP ALPHA2	X	.195	1.083
11	MP BETA2	X	.382	6.917
12	MP BETA2	X	.382	1.083
13	MP GAMMA3	X	.101	5.875
14	MP GAMMA3	X	.101	2.125
15	MP GAMMA1	X	.107	5.042
16	MP GAMMA1	X	.107	2.958
17	MP GAMMA2	X	.341	6.917
18	MP GAMMA2	X	.341	1.083
19	MP ALPHA2	X	.07	4
20	MP BETA2	X	.082	4
21	MP GAMMA2	X	.082	4
22	MP ALPHA3	X	.087	4
23	MP BETA3	X	.106	4
24	MP GAMMA3	X	.106	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft. %]
1	MP ALPHA3	Y	-.039	5.875
2	MP ALPHA3	Y	-.039	2.125
3	MP ALPHA3	X	.067	5.875
4	MP ALPHA3	X	.067	2.125
5	MP BETA3	Y	-.065	5.875
6	MP BETA3	Y	-.065	2.125
7	MP BETA3	X	.113	5.875
8	MP BETA3	X	.113	2.125
9	MP ALPHA1	Y	-.041	5.042
10	MP ALPHA1	Y	-.041	2.958
11	MP ALPHA1	X	.071	5.042
12	MP ALPHA1	X	.071	2.958



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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft. %]
13	MP BETA1	Y	-.069	5.042
14	MP BETA1	Y	-.069	2.958
15	MP BETA1	X	.12	5.042
16	MP BETA1	X	.12	2.958
17	MP ALPHA2	Y	-.129	6.917
18	MP ALPHA2	Y	-.129	1.083
19	MP ALPHA2	X	.223	6.917
20	MP ALPHA2	X	.223	1.083
21	MP BETA2	Y	-.222	6.917
22	MP BETA2	Y	-.222	1.083
23	MP BETA2	X	.384	6.917
24	MP BETA2	X	.384	1.083
25	MP GAMMA3	Y	-.034	5.875
26	MP GAMMA3	Y	-.034	2.125
27	MP GAMMA3	X	.059	5.875
28	MP GAMMA3	X	.059	2.125
29	MP GAMMA1	Y	-.036	5.042
30	MP GAMMA1	Y	-.036	2.958
31	MP GAMMA1	X	.062	5.042
32	MP GAMMA1	X	.062	2.958
33	MP GAMMA2	Y	-.112	6.917
34	MP GAMMA2	Y	-.112	1.083
35	MP GAMMA2	X	.194	6.917
36	MP GAMMA2	X	.194	1.083
37	MP ALPHA2	Y	-.037	4
38	MP ALPHA2	X	.064	4
39	MP BETA2	Y	-.043	4
40	MP BETA2	X	.075	4
41	MP GAMMA2	Y	-.037	4
42	MP GAMMA2	X	.064	4
43	MP ALPHA3	Y	-.047	4
44	MP ALPHA3	X	.081	4
45	MP BETA3	Y	-.056	4
46	MP BETA3	X	.097	4
47	MP GAMMA3	Y	-.047	4
48	MP GAMMA3	X	.081	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft. %]
1	MP ALPHA3	Y	-.097	5.875
2	MP ALPHA3	Y	-.097	2.125
3	MP ALPHA3	X	.056	5.875
4	MP ALPHA3	X	.056	2.125
5	MP BETA3	Y	-.097	5.875
6	MP BETA3	Y	-.097	2.125
7	MP BETA3	X	.056	5.875
8	MP BETA3	X	.056	2.125
9	MP ALPHA1	Y	-.104	5.042
10	MP ALPHA1	Y	-.104	2.958
11	MP ALPHA1	X	.06	5.042
12	MP ALPHA1	X	.06	2.958
13	MP BETA1	Y	-.104	5.042
14	MP BETA1	Y	-.104	2.958
15	MP BETA1	X	.06	5.042
16	MP BETA1	X	.06	2.958
17	MP ALPHA2	Y	-.33	6.917



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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft,%]
18	MP ALPHA2	Y	-.33	1.083
19	MP ALPHA2	X	.191	6.917
20	MP ALPHA2	X	.191	1.083
21	MP BETA2	Y	-.33	6.917
22	MP BETA2	Y	-.33	1.083
23	MP BETA2	X	.191	6.917
24	MP BETA2	X	.191	1.083
25	MP GAMMA3	Y	-.054	5.875
26	MP GAMMA3	Y	-.054	2.125
27	MP GAMMA3	X	.031	5.875
28	MP GAMMA3	X	.031	2.125
29	MP GAMMA1	Y	-.057	5.042
30	MP GAMMA1	Y	-.057	2.958
31	MP GAMMA1	X	.033	5.042
32	MP GAMMA1	X	.033	2.958
33	MP GAMMA2	Y	-.175	6.917
34	MP GAMMA2	Y	-.175	1.083
35	MP GAMMA2	X	.101	6.917
36	MP GAMMA2	X	.101	1.083
37	MP ALPHA2	Y	-.071	4
38	MP ALPHA2	X	.041	4
39	MP BETA2	Y	-.071	4
40	MP BETA2	X	.041	4
41	MP GAMMA2	Y	-.06	4
42	MP GAMMA2	X	.035	4
43	MP ALPHA3	Y	-.092	4
44	MP ALPHA3	X	.053	4
45	MP BETA3	Y	-.092	4
46	MP BETA3	X	.053	4
47	MP GAMMA3	Y	-.075	4
48	MP GAMMA3	X	.043	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.007	5.875
2	MP ALPHA3	Y	-.007	2.125
3	MP BETA3	Y	-.004	5.875
4	MP BETA3	Y	-.004	2.125
5	MP ALPHA1	Y	-.008	5.042
6	MP ALPHA1	Y	-.008	2.958
7	MP BETA1	Y	-.005	5.042
8	MP BETA1	Y	-.005	2.958
9	MP ALPHA2	Y	-.025	6.917
10	MP ALPHA2	Y	-.025	1.083
11	MP BETA2	Y	-.015	6.917
12	MP BETA2	Y	-.015	1.083
13	MP GAMMA3	Y	-.005	5.875
14	MP GAMMA3	Y	-.005	2.125
15	MP GAMMA1	Y	-.005	5.042
16	MP GAMMA1	Y	-.005	2.958
17	MP GAMMA2	Y	-.017	6.917
18	MP GAMMA2	Y	-.017	1.083
19	MP ALPHA2	Y	-.005	4
20	MP BETA2	Y	-.004	4
21	MP GAMMA2	Y	-.004	4
22	MP ALPHA3	Y	-.006	4



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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
23	MP BETA3	Y	-0.005	4
24	MP GAMMA3	Y	-0.005	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA3	Y	-0.006	5.875
2	MP ALPHA3	Y	-0.006	2.125
3	MP ALPHA3	X	-0.003	5.875
4	MP ALPHA3	X	-0.003	2.125
5	MP BETA3	Y	-0.003	5.875
6	MP BETA3	Y	-0.003	2.125
7	MP BETA3	X	-0.002	5.875
8	MP BETA3	X	-0.002	2.125
9	MP ALPHA1	Y	-0.006	5.042
10	MP ALPHA1	Y	-0.006	2.958
11	MP ALPHA1	X	-0.003	5.042
12	MP ALPHA1	X	-0.003	2.958
13	MP BETA1	Y	-0.003	5.042
14	MP BETA1	Y	-0.003	2.958
15	MP BETA1	X	-0.002	5.042
16	MP BETA1	X	-0.002	2.958
17	MP ALPHA2	Y	-0.019	6.917
18	MP ALPHA2	Y	-0.019	1.083
19	MP ALPHA2	X	-0.011	6.917
20	MP ALPHA2	X	-0.011	1.083
21	MP BETA2	Y	-0.01	6.917
22	MP BETA2	Y	-0.01	1.083
23	MP BETA2	X	-0.006	6.917
24	MP BETA2	X	-0.006	1.083
25	MP GAMMA3	Y	-0.006	5.875
26	MP GAMMA3	Y	-0.006	2.125
27	MP GAMMA3	X	-0.003	5.875
28	MP GAMMA3	X	-0.003	2.125
29	MP GAMMA1	Y	-0.006	5.042
30	MP GAMMA1	Y	-0.006	2.958
31	MP GAMMA1	X	-0.004	5.042
32	MP GAMMA1	X	-0.004	2.958
33	MP GAMMA2	Y	-0.02	6.917
34	MP GAMMA2	Y	-0.02	1.083
35	MP GAMMA2	X	-0.012	6.917
36	MP GAMMA2	X	-0.012	1.083
37	MP ALPHA2	Y	-0.004	4
38	MP ALPHA2	X	-0.002	4
39	MP BETA2	Y	-0.003	4
40	MP BETA2	X	-0.002	4
41	MP GAMMA2	Y	-0.004	4
42	MP GAMMA2	X	-0.002	4
43	MP ALPHA3	Y	-0.005	4
44	MP ALPHA3	X	-0.003	4
45	MP BETA3	Y	-0.004	4
46	MP BETA3	X	-0.002	4
47	MP GAMMA3	Y	-0.005	4
48	MP GAMMA3	X	-0.003	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
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Member Point Loads (BLC 17 : Maintenance (60)) (Continued)

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-0.02	5.875
2	MP ALPHA3	Y	-0.02	2.125
3	MP ALPHA3	X	-0.04	5.875
4	MP ALPHA3	X	-0.04	2.125
5	MP BETA3	Y	-0.02	5.875
6	MP BETA3	Y	-0.02	2.125
7	MP BETA3	X	-0.04	5.875
8	MP BETA3	X	-0.04	2.125
9	MP ALPHA1	Y	-0.02	5.042
10	MP ALPHA1	Y	-0.02	2.958
11	MP ALPHA1	X	-0.04	5.042
12	MP ALPHA1	X	-0.04	2.958
13	MP BETA1	Y	-0.02	5.042
14	MP BETA1	Y	-0.02	2.958
15	MP BETA1	X	-0.04	5.042
16	MP BETA1	X	-0.04	2.958
17	MP ALPHA2	Y	-0.07	6.917
18	MP ALPHA2	Y	-0.07	1.083
19	MP ALPHA2	X	-0.13	6.917
20	MP ALPHA2	X	-0.13	1.083
21	MP BETA2	Y	-0.07	6.917
22	MP BETA2	Y	-0.07	1.083
23	MP BETA2	X	-0.13	6.917
24	MP BETA2	X	-0.13	1.083
25	MP GAMMA3	Y	-0.04	5.875
26	MP GAMMA3	Y	-0.04	2.125
27	MP GAMMA3	X	-0.06	5.875
28	MP GAMMA3	X	-0.06	2.125
29	MP GAMMA1	Y	-0.04	5.042
30	MP GAMMA1	Y	-0.04	2.958
31	MP GAMMA1	X	-0.07	5.042
32	MP GAMMA1	X	-0.07	2.958
33	MP GAMMA2	Y	-0.12	6.917
34	MP GAMMA2	Y	-0.12	1.083
35	MP GAMMA2	X	-0.21	6.917
36	MP GAMMA2	X	-0.21	1.083
37	MP ALPHA2	Y	-0.02	4
38	MP ALPHA2	X	-0.04	4
39	MP BETA2	Y	-0.02	4
40	MP BETA2	X	-0.04	4
41	MP GAMMA2	Y	-0.02	4
42	MP GAMMA2	X	-0.04	4
43	MP ALPHA3	Y	-0.03	4
44	MP ALPHA3	X	-0.05	4
45	MP BETA3	Y	-0.03	4
46	MP BETA3	X	-0.05	4
47	MP GAMMA3	Y	-0.03	4
48	MP GAMMA3	X	-0.06	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft,%]
1	MP ALPHA3	X	-0.03	5.875
2	MP ALPHA3	X	-0.03	2.125
3	MP BETA3	X	-0.06	5.875
4	MP BETA3	X	-0.06	2.125
5	MP ALPHA1	X	-0.04	5.042



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Member Point Loads (BLC 18 : Maintenance (90)) (Continued)

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
6	MP ALPHA1	X	-0.04	2.958
7	MP BETA1	X	-0.07	5.042
8	MP BETA1	X	-0.07	2.958
9	MP ALPHA2	X	-0.11	6.917
10	MP ALPHA2	X	-0.11	1.083
11	MP BETA2	X	-0.22	6.917
12	MP BETA2	X	-0.22	1.083
13	MP GAMMA3	X	-0.06	5.875
14	MP GAMMA3	X	-0.06	2.125
15	MP GAMMA1	X	-0.06	5.042
16	MP GAMMA1	X	-0.06	2.958
17	MP GAMMA2	X	-0.19	6.917
18	MP GAMMA2	X	-0.19	1.083
19	MP ALPHA2	X	-0.04	4
20	MP BETA2	X	-0.05	4
21	MP GAMMA2	X	-0.05	4
22	MP ALPHA3	X	-0.05	4
23	MP BETA3	X	-0.06	4
24	MP GAMMA3	X	-0.06	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA3	Y	.002	5.875
2	MP ALPHA3	Y	.002	2.125
3	MP ALPHA3	X	-0.04	5.875
4	MP ALPHA3	X	-0.04	2.125
5	MP BETA3	Y	.004	5.875
6	MP BETA3	Y	.004	2.125
7	MP BETA3	X	-0.06	5.875
8	MP BETA3	X	-0.06	2.125
9	MP ALPHA1	Y	.002	5.042
10	MP ALPHA1	Y	.002	2.958
11	MP ALPHA1	X	-0.04	5.042
12	MP ALPHA1	X	-0.04	2.958
13	MP BETA1	Y	.004	5.042
14	MP BETA1	Y	.004	2.958
15	MP BETA1	X	-0.07	5.042
16	MP BETA1	X	-0.07	2.958
17	MP ALPHA2	Y	.007	6.917
18	MP ALPHA2	Y	.007	1.083
19	MP ALPHA2	X	-0.13	6.917
20	MP ALPHA2	X	-0.13	1.083
21	MP BETA2	Y	.013	6.917
22	MP BETA2	Y	.013	1.083
23	MP BETA2	X	-0.22	6.917
24	MP BETA2	X	-0.22	1.083
25	MP GAMMA3	Y	.002	5.875
26	MP GAMMA3	Y	.002	2.125
27	MP GAMMA3	X	-0.03	5.875
28	MP GAMMA3	X	-0.03	2.125
29	MP GAMMA1	Y	.002	5.042
30	MP GAMMA1	Y	.002	2.958
31	MP GAMMA1	X	-0.04	5.042
32	MP GAMMA1	X	-0.04	2.958
33	MP GAMMA2	Y	.006	6.917
34	MP GAMMA2	Y	.006	1.083



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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft. %]
35	MP GAMMA2	X	-.011	6.917
36	MP GAMMA2	X	-.011	1.083
37	MP ALPHA2	Y	.002	4
38	MP ALPHA2	X	-.004	4
39	MP BETA2	Y	.002	4
40	MP BETA2	X	-.004	4
41	MP GAMMA2	Y	.002	4
42	MP GAMMA2	X	-.004	4
43	MP ALPHA3	Y	.003	4
44	MP ALPHA3	X	-.005	4
45	MP BETA3	Y	.003	4
46	MP BETA3	X	-.006	4
47	MP GAMMA3	Y	.003	4
48	MP GAMMA3	X	-.005	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft. %]
1	MP ALPHA3	Y	.006	5.875
2	MP ALPHA3	Y	.006	2.125
3	MP ALPHA3	X	-.003	5.875
4	MP ALPHA3	X	-.003	2.125
5	MP BETA3	Y	.006	5.875
6	MP BETA3	Y	.006	2.125
7	MP BETA3	X	-.003	5.875
8	MP BETA3	X	-.003	2.125
9	MP ALPHA1	Y	.006	5.042
10	MP ALPHA1	Y	.006	2.958
11	MP ALPHA1	X	-.003	5.042
12	MP ALPHA1	X	-.003	2.958
13	MP BETA1	Y	.006	5.042
14	MP BETA1	Y	.006	2.958
15	MP BETA1	X	-.003	5.042
16	MP BETA1	X	-.003	2.958
17	MP ALPHA2	Y	.019	6.917
18	MP ALPHA2	Y	.019	1.083
19	MP ALPHA2	X	-.011	6.917
20	MP ALPHA2	X	-.011	1.083
21	MP BETA2	Y	.019	6.917
22	MP BETA2	Y	.019	1.083
23	MP BETA2	X	-.011	6.917
24	MP BETA2	X	-.011	1.083
25	MP GAMMA3	Y	.003	5.875
26	MP GAMMA3	Y	.003	2.125
27	MP GAMMA3	X	-.002	5.875
28	MP GAMMA3	X	-.002	2.125
29	MP GAMMA1	Y	.003	5.042
30	MP GAMMA1	Y	.003	2.958
31	MP GAMMA1	X	-.002	5.042
32	MP GAMMA1	X	-.002	2.958
33	MP GAMMA2	Y	.01	6.917
34	MP GAMMA2	Y	.01	1.083
35	MP GAMMA2	X	-.006	6.917
36	MP GAMMA2	X	-.006	1.083
37	MP ALPHA2	Y	.004	4
38	MP ALPHA2	X	-.002	4
39	MP BETA2	Y	.004	4



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Member Point Loads (BLC 20 : Maintenance (150)) (Continued)

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft,%]
40	MP BETA2	X	-.002	4
41	MP GAMMA2	Y	.003	4
42	MP GAMMA2	X	-.002	4
43	MP ALPHA3	Y	.005	4
44	MP ALPHA3	X	-.003	4
45	MP BETA3	Y	.005	4
46	MP BETA3	X	-.003	4
47	MP GAMMA3	Y	.004	4
48	MP GAMMA3	X	-.002	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.007	5.875
2	MP ALPHA3	Y	.007	2.125
3	MP BETA3	Y	.004	5.875
4	MP BETA3	Y	.004	2.125
5	MP ALPHA1	Y	.008	5.042
6	MP ALPHA1	Y	.008	2.958
7	MP BETA1	Y	.005	5.042
8	MP BETA1	Y	.005	2.958
9	MP ALPHA2	Y	.025	6.917
10	MP ALPHA2	Y	.025	1.083
11	MP BETA2	Y	.015	6.917
12	MP BETA2	Y	.015	1.083
13	MP GAMMA3	Y	.005	5.875
14	MP GAMMA3	Y	.005	2.125
15	MP GAMMA1	Y	.005	5.042
16	MP GAMMA1	Y	.005	2.958
17	MP GAMMA2	Y	.017	6.917
18	MP GAMMA2	Y	.017	1.083
19	MP ALPHA2	Y	.005	4
20	MP BETA2	Y	.004	4
21	MP GAMMA2	Y	.004	4
22	MP ALPHA3	Y	.006	4
23	MP BETA3	Y	.005	4
24	MP GAMMA3	Y	.005	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.006	5.875
2	MP ALPHA3	Y	.006	2.125
3	MP ALPHA3	X	.003	5.875
4	MP ALPHA3	X	.003	2.125
5	MP BETA3	Y	.003	5.875
6	MP BETA3	Y	.003	2.125
7	MP BETA3	X	.002	5.875
8	MP BETA3	X	.002	2.125
9	MP ALPHA1	Y	.006	5.042
10	MP ALPHA1	Y	.006	2.958
11	MP ALPHA1	X	.003	5.042
12	MP ALPHA1	X	.003	2.958
13	MP BETA1	Y	.003	5.042
14	MP BETA1	Y	.003	2.958
15	MP BETA1	X	.002	5.042
16	MP BETA1	X	.002	2.958
17	MP ALPHA2	Y	.019	6.917



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Member Point Loads (BLC 22 : Maintenance (210)) (Continued)

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft. %]
18	MP ALPHA2	Y	.019	1.083
19	MP ALPHA2	X	.011	6.917
20	MP ALPHA2	X	.011	1.083
21	MP BETA2	Y	.01	6.917
22	MP BETA2	Y	.01	1.083
23	MP BETA2	X	.006	6.917
24	MP BETA2	X	.006	1.083
25	MP GAMMA3	Y	.006	5.875
26	MP GAMMA3	Y	.006	2.125
27	MP GAMMA3	X	.003	5.875
28	MP GAMMA3	X	.003	2.125
29	MP GAMMA1	Y	.006	5.042
30	MP GAMMA1	Y	.006	2.958
31	MP GAMMA1	X	.004	5.042
32	MP GAMMA1	X	.004	2.958
33	MP GAMMA2	Y	.02	6.917
34	MP GAMMA2	Y	.02	1.083
35	MP GAMMA2	X	.012	6.917
36	MP GAMMA2	X	.012	1.083
37	MP ALPHA2	Y	.004	4
38	MP ALPHA2	X	.002	4
39	MP BETA2	Y	.003	4
40	MP BETA2	X	.002	4
41	MP GAMMA2	Y	.004	4
42	MP GAMMA2	X	.002	4
43	MP ALPHA3	Y	.005	4
44	MP ALPHA3	X	.003	4
45	MP BETA3	Y	.004	4
46	MP BETA3	X	.002	4
47	MP GAMMA3	Y	.005	4
48	MP GAMMA3	X	.003	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft. %]
1	MP ALPHA3	Y	.002	5.875
2	MP ALPHA3	Y	.002	2.125
3	MP ALPHA3	X	.004	5.875
4	MP ALPHA3	X	.004	2.125
5	MP BETA3	Y	.002	5.875
6	MP BETA3	Y	.002	2.125
7	MP BETA3	X	.004	5.875
8	MP BETA3	X	.004	2.125
9	MP ALPHA1	Y	.002	5.042
10	MP ALPHA1	Y	.002	2.958
11	MP ALPHA1	X	.004	5.042
12	MP ALPHA1	X	.004	2.958
13	MP BETA1	Y	.002	5.042
14	MP BETA1	Y	.002	2.958
15	MP BETA1	X	.004	5.042
16	MP BETA1	X	.004	2.958
17	MP ALPHA2	Y	.007	6.917
18	MP ALPHA2	Y	.007	1.083
19	MP ALPHA2	X	.013	6.917
20	MP ALPHA2	X	.013	1.083
21	MP BETA2	Y	.007	6.917
22	MP BETA2	Y	.007	1.083



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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft,%]
23	MP BETA2	X	.013	6.917
24	MP BETA2	X	.013	1.083
25	MP GAMMA3	Y	.004	5.875
26	MP GAMMA3	Y	.004	2.125
27	MP GAMMA3	X	.006	5.875
28	MP GAMMA3	X	.006	2.125
29	MP GAMMA1	Y	.004	5.042
30	MP GAMMA1	Y	.004	2.958
31	MP GAMMA1	X	.007	5.042
32	MP GAMMA1	X	.007	2.958
33	MP GAMMA2	Y	.012	6.917
34	MP GAMMA2	Y	.012	1.083
35	MP GAMMA2	X	.021	6.917
36	MP GAMMA2	X	.021	1.083
37	MP ALPHA2	Y	.002	4
38	MP ALPHA2	X	.004	4
39	MP BETA2	Y	.002	4
40	MP BETA2	X	.004	4
41	MP GAMMA2	Y	.002	4
42	MP GAMMA2	X	.004	4
43	MP ALPHA3	Y	.003	4
44	MP ALPHA3	X	.005	4
45	MP BETA3	Y	.003	4
46	MP BETA3	X	.005	4
47	MP GAMMA3	Y	.003	4
48	MP GAMMA3	X	.006	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft,%]
1	MP ALPHA3	X	.003	5.875
2	MP ALPHA3	X	.003	2.125
3	MP BETA3	X	.006	5.875
4	MP BETA3	X	.006	2.125
5	MP ALPHA1	X	.004	5.042
6	MP ALPHA1	X	.004	2.958
7	MP BETA1	X	.007	5.042
8	MP BETA1	X	.007	2.958
9	MP ALPHA2	X	.011	6.917
10	MP ALPHA2	X	.011	1.083
11	MP BETA2	X	.022	6.917
12	MP BETA2	X	.022	1.083
13	MP GAMMA3	X	.006	5.875
14	MP GAMMA3	X	.006	2.125
15	MP GAMMA1	X	.006	5.042
16	MP GAMMA1	X	.006	2.958
17	MP GAMMA2	X	.019	6.917
18	MP GAMMA2	X	.019	1.083
19	MP ALPHA2	X	.004	4
20	MP BETA2	X	.005	4
21	MP GAMMA2	X	.005	4
22	MP ALPHA3	X	.005	4
23	MP BETA3	X	.006	4
24	MP GAMMA3	X	.006	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft,%]
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Member Point Loads (BLC 25 : Maintenance (300)) (Continued)

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-0.02	5.875
2	MP ALPHA3	Y	-0.02	2.125
3	MP ALPHA3	X	.004	5.875
4	MP ALPHA3	X	.004	2.125
5	MP BETA3	Y	-0.004	5.875
6	MP BETA3	Y	-0.004	2.125
7	MP BETA3	X	.006	5.875
8	MP BETA3	X	.006	2.125
9	MP ALPHA1	Y	-0.02	5.042
10	MP ALPHA1	Y	-0.02	2.958
11	MP ALPHA1	X	.004	5.042
12	MP ALPHA1	X	.004	2.958
13	MP BETA1	Y	-0.004	5.042
14	MP BETA1	Y	-0.004	2.958
15	MP BETA1	X	.007	5.042
16	MP BETA1	X	.007	2.958
17	MP ALPHA2	Y	-0.007	6.917
18	MP ALPHA2	Y	-0.007	1.083
19	MP ALPHA2	X	.013	6.917
20	MP ALPHA2	X	.013	1.083
21	MP BETA2	Y	-0.013	6.917
22	MP BETA2	Y	-0.013	1.083
23	MP BETA2	X	.022	6.917
24	MP BETA2	X	.022	1.083
25	MP GAMMA3	Y	-0.002	5.875
26	MP GAMMA3	Y	-0.002	2.125
27	MP GAMMA3	X	.003	5.875
28	MP GAMMA3	X	.003	2.125
29	MP GAMMA1	Y	-0.002	5.042
30	MP GAMMA1	Y	-0.002	2.958
31	MP GAMMA1	X	.004	5.042
32	MP GAMMA1	X	.004	2.958
33	MP GAMMA2	Y	-0.006	6.917
34	MP GAMMA2	Y	-0.006	1.083
35	MP GAMMA2	X	.011	6.917
36	MP GAMMA2	X	.011	1.083
37	MP ALPHA2	Y	-0.002	4
38	MP ALPHA2	X	.004	4
39	MP BETA2	Y	-0.002	4
40	MP BETA2	X	.004	4
41	MP GAMMA2	Y	-0.002	4
42	MP GAMMA2	X	.004	4
43	MP ALPHA3	Y	-0.003	4
44	MP ALPHA3	X	.005	4
45	MP BETA3	Y	-0.003	4
46	MP BETA3	X	.006	4
47	MP GAMMA3	Y	-0.003	4
48	MP GAMMA3	X	.005	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-0.006	5.875
2	MP ALPHA3	Y	-0.006	2.125
3	MP ALPHA3	X	.003	5.875
4	MP ALPHA3	X	.003	2.125
5	MP BETA3	Y	-0.006	5.875



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Member Point Loads (BLC 26 : Maintenance (330)) (Continued)

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft,%]
6	MP BETA3	Y	-0.06	2.125
7	MP BETA3	X	.003	5.875
8	MP BETA3	X	.003	2.125
9	MP ALPHA1	Y	-0.06	5.042
10	MP ALPHA1	Y	-0.06	2.958
11	MP ALPHA1	X	.003	5.042
12	MP ALPHA1	X	.003	2.958
13	MP BETA1	Y	-0.06	5.042
14	MP BETA1	Y	-0.06	2.958
15	MP BETA1	X	.003	5.042
16	MP BETA1	X	.003	2.958
17	MP ALPHA2	Y	-0.19	6.917
18	MP ALPHA2	Y	-0.19	1.083
19	MP ALPHA2	X	.011	6.917
20	MP ALPHA2	X	.011	1.083
21	MP BETA2	Y	-0.19	6.917
22	MP BETA2	Y	-0.19	1.083
23	MP BETA2	X	.011	6.917
24	MP BETA2	X	.011	1.083
25	MP GAMMA3	Y	-0.03	5.875
26	MP GAMMA3	Y	-0.03	2.125
27	MP GAMMA3	X	.002	5.875
28	MP GAMMA3	X	.002	2.125
29	MP GAMMA1	Y	-0.03	5.042
30	MP GAMMA1	Y	-0.03	2.958
31	MP GAMMA1	X	.002	5.042
32	MP GAMMA1	X	.002	2.958
33	MP GAMMA2	Y	-.01	6.917
34	MP GAMMA2	Y	-.01	1.083
35	MP GAMMA2	X	.006	6.917
36	MP GAMMA2	X	.006	1.083
37	MP ALPHA2	Y	-0.004	4
38	MP ALPHA2	X	.002	4
39	MP BETA2	Y	-0.004	4
40	MP BETA2	X	.002	4
41	MP GAMMA2	Y	-0.003	4
42	MP GAMMA2	X	.002	4
43	MP ALPHA3	Y	-0.005	4
44	MP ALPHA3	X	.003	4
45	MP BETA3	Y	-0.005	4
46	MP BETA3	X	.003	4
47	MP GAMMA3	Y	-0.004	4
48	MP GAMMA3	X	.002	4

Member Point Loads (BLC 27 : Ice Dead Load)

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft,%]
1	MP ALPHA3	Z	-.041	5.875
2	MP ALPHA3	Z	-.041	2.125
3	MP BETA3	Z	-.041	5.875
4	MP BETA3	Z	-.041	2.125
5	MP ALPHA1	Z	-.052	5.042
6	MP ALPHA1	Z	-.052	2.958
7	MP BETA1	Z	-.052	5.042
8	MP BETA1	Z	-.052	2.958
9	MP ALPHA2	Z	-.132	6.917
10	MP ALPHA2	Z	-.132	1.083



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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft. %]
11	MP BETA2	Z	- .132	6.917
12	MP BETA2	Z	- .132	1.083
13	MP GAMMA3	Z	- .041	5.875
14	MP GAMMA3	Z	- .041	2.125
15	MP GAMMA1	Z	- .052	5.042
16	MP GAMMA1	Z	- .052	2.958
17	MP GAMMA2	Z	- .132	6.917
18	MP GAMMA2	Z	- .132	1.083
19	MP ALPHA2	Z	- .048	4
20	MP BETA2	Z	- .048	4
21	MP GAMMA2	Z	- .048	4
22	MP ALPHA3	Z	- .061	4
23	MP BETA3	Z	- .061	4
24	MP GAMMA3	Z	- .061	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft. %]
1	MP ALPHA3	Y	- .025	5.875
2	MP ALPHA3	Y	- .025	2.125
3	MP BETA3	Y	- .016	5.875
4	MP BETA3	Y	- .016	2.125
5	MP ALPHA1	Y	- .026	5.042
6	MP ALPHA1	Y	- .026	2.958
7	MP BETA1	Y	- .016	5.042
8	MP BETA1	Y	- .016	2.958
9	MP ALPHA2	Y	- .077	6.917
10	MP ALPHA2	Y	- .077	1.083
11	MP BETA2	Y	- .048	6.917
12	MP BETA2	Y	- .048	1.083
13	MP GAMMA3	Y	- .02	5.875
14	MP GAMMA3	Y	- .02	2.125
15	MP GAMMA1	Y	- .02	5.042
16	MP GAMMA1	Y	- .02	2.958
17	MP GAMMA2	Y	- .06	6.917
18	MP GAMMA2	Y	- .06	1.083
19	MP ALPHA2	Y	- .018	4
20	MP BETA2	Y	- .016	4
21	MP GAMMA2	Y	- .016	4
22	MP ALPHA3	Y	- .023	4
23	MP BETA3	Y	- .019	4
24	MP GAMMA3	Y	- .019	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft. %]
1	MP ALPHA3	Y	- .019	5.875
2	MP ALPHA3	Y	- .019	2.125
3	MP ALPHA3	X	- .011	5.875
4	MP ALPHA3	X	- .011	2.125
5	MP BETA3	Y	- .012	5.875
6	MP BETA3	Y	- .012	2.125
7	MP BETA3	X	- .007	5.875
8	MP BETA3	X	- .007	2.125
9	MP ALPHA1	Y	- .019	5.042
10	MP ALPHA1	Y	- .019	2.958
11	MP ALPHA1	X	- .011	5.042
12	MP ALPHA1	X	- .011	2.958



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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft. %]
13	MP BETA1	Y	-0.11	5.042
14	MP BETA1	Y	-0.11	2.958
15	MP BETA1	X	-0.06	5.042
16	MP BETA1	X	-0.06	2.958
17	MP ALPHA2	Y	-0.058	6.917
18	MP ALPHA2	Y	-0.058	1.083
19	MP ALPHA2	X	-0.034	6.917
20	MP ALPHA2	X	-0.034	1.083
21	MP BETA2	Y	-0.033	6.917
22	MP BETA2	Y	-0.033	1.083
23	MP BETA2	X	-0.019	6.917
24	MP BETA2	X	-0.019	1.083
25	MP GAMMA3	Y	-0.022	5.875
26	MP GAMMA3	Y	-0.022	2.125
27	MP GAMMA3	X	-0.013	5.875
28	MP GAMMA3	X	-0.013	2.125
29	MP GAMMA1	Y	-0.022	5.042
30	MP GAMMA1	Y	-0.022	2.958
31	MP GAMMA1	X	-0.013	5.042
32	MP GAMMA1	X	-0.013	2.958
33	MP GAMMA2	Y	-0.067	6.917
34	MP GAMMA2	Y	-0.067	1.083
35	MP GAMMA2	X	-0.039	6.917
36	MP GAMMA2	X	-0.039	1.083
37	MP ALPHA2	Y	-0.015	4
38	MP ALPHA2	X	-0.009	4
39	MP BETA2	Y	-0.013	4
40	MP BETA2	X	-0.007	4
41	MP GAMMA2	Y	-0.015	4
42	MP GAMMA2	X	-0.009	4
43	MP ALPHA3	Y	-0.019	4
44	MP ALPHA3	X	-0.011	4
45	MP BETA3	Y	-0.016	4
46	MP BETA3	X	-0.009	4
47	MP GAMMA3	Y	-0.019	4
48	MP GAMMA3	X	-0.011	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft. %]
1	MP ALPHA3	Y	-0.008	5.875
2	MP ALPHA3	Y	-0.008	2.125
3	MP ALPHA3	X	-0.014	5.875
4	MP ALPHA3	X	-0.014	2.125
5	MP BETA3	Y	-0.008	5.875
6	MP BETA3	Y	-0.008	2.125
7	MP BETA3	X	-0.014	5.875
8	MP BETA3	X	-0.014	2.125
9	MP ALPHA1	Y	-0.008	5.042
10	MP ALPHA1	Y	-0.008	2.958
11	MP ALPHA1	X	-0.014	5.042
12	MP ALPHA1	X	-0.014	2.958
13	MP BETA1	Y	-0.008	5.042
14	MP BETA1	Y	-0.008	2.958
15	MP BETA1	X	-0.014	5.042
16	MP BETA1	X	-0.014	2.958
17	MP ALPHA2	Y	-0.024	6.917



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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft,%]
18	MP ALPHA2	Y	-.024	1.083
19	MP ALPHA2	X	-.041	6.917
20	MP ALPHA2	X	-.041	1.083
21	MP BETA2	Y	-.024	6.917
22	MP BETA2	Y	-.024	1.083
23	MP BETA2	X	-.041	6.917
24	MP BETA2	X	-.041	1.083
25	MP GAMMA3	Y	-.012	5.875
26	MP GAMMA3	Y	-.012	2.125
27	MP GAMMA3	X	-.021	5.875
28	MP GAMMA3	X	-.021	2.125
29	MP GAMMA1	Y	-.012	5.042
30	MP GAMMA1	Y	-.012	2.958
31	MP GAMMA1	X	-.022	5.042
32	MP GAMMA1	X	-.022	2.958
33	MP GAMMA2	Y	-.038	6.917
34	MP GAMMA2	Y	-.038	1.083
35	MP GAMMA2	X	-.065	6.917
36	MP GAMMA2	X	-.065	1.083
37	MP ALPHA2	Y	-.008	4
38	MP ALPHA2	X	-.014	4
39	MP BETA2	Y	-.008	4
40	MP BETA2	X	-.014	4
41	MP GAMMA2	Y	-.009	4
42	MP GAMMA2	X	-.015	4
43	MP ALPHA3	Y	-.01	4
44	MP ALPHA3	X	-.017	4
45	MP BETA3	Y	-.01	4
46	MP BETA3	X	-.017	4
47	MP GAMMA3	Y	-.011	4
48	MP GAMMA3	X	-.02	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft,%]
1	MP ALPHA3	X	-.013	5.875
2	MP ALPHA3	X	-.013	2.125
3	MP BETA3	X	-.022	5.875
4	MP BETA3	X	-.022	2.125
5	MP ALPHA1	X	-.013	5.042
6	MP ALPHA1	X	-.013	2.958
7	MP BETA1	X	-.022	5.042
8	MP BETA1	X	-.022	2.958
9	MP ALPHA2	X	-.038	6.917
10	MP ALPHA2	X	-.038	1.083
11	MP BETA2	X	-.068	6.917
12	MP BETA2	X	-.068	1.083
13	MP GAMMA3	X	-.018	5.875
14	MP GAMMA3	X	-.018	2.125
15	MP GAMMA1	X	-.018	5.042
16	MP GAMMA1	X	-.018	2.958
17	MP GAMMA2	X	-.055	6.917
18	MP GAMMA2	X	-.055	1.083
19	MP ALPHA2	X	-.015	4
20	MP BETA2	X	-.017	4
21	MP GAMMA2	X	-.017	4
22	MP ALPHA3	X	-.018	4



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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft, %]
23	MP BETA3	X	-.021	4
24	MP GAMMA3	X	-.021	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft, %]
1	MP ALPHA3	Y	.008	5.875
2	MP ALPHA3	Y	.008	2.125
3	MP ALPHA3	X	-.014	5.875
4	MP ALPHA3	X	-.014	2.125
5	MP BETA3	Y	.012	5.875
6	MP BETA3	Y	.012	2.125
7	MP BETA3	X	-.021	5.875
8	MP BETA3	X	-.021	2.125
9	MP ALPHA1	Y	.008	5.042
10	MP ALPHA1	Y	.008	2.958
11	MP ALPHA1	X	-.014	5.042
12	MP ALPHA1	X	-.014	2.958
13	MP BETA1	Y	.013	5.042
14	MP BETA1	Y	.013	2.958
15	MP BETA1	X	-.022	5.042
16	MP BETA1	X	-.022	2.958
17	MP ALPHA2	Y	.024	6.917
18	MP ALPHA2	Y	.024	1.083
19	MP ALPHA2	X	-.041	6.917
20	MP ALPHA2	X	-.041	1.083
21	MP BETA2	Y	.039	6.917
22	MP BETA2	Y	.039	1.083
23	MP BETA2	X	-.067	6.917
24	MP BETA2	X	-.067	1.083
25	MP GAMMA3	Y	.006	5.875
26	MP GAMMA3	Y	.006	2.125
27	MP GAMMA3	X	-.011	5.875
28	MP GAMMA3	X	-.011	2.125
29	MP GAMMA1	Y	.006	5.042
30	MP GAMMA1	Y	.006	2.958
31	MP GAMMA1	X	-.011	5.042
32	MP GAMMA1	X	-.011	2.958
33	MP GAMMA2	Y	.019	6.917
34	MP GAMMA2	Y	.019	1.083
35	MP GAMMA2	X	-.032	6.917
36	MP GAMMA2	X	-.032	1.083
37	MP ALPHA2	Y	.008	4
38	MP ALPHA2	X	-.014	4
39	MP BETA2	Y	.009	4
40	MP BETA2	X	-.015	4
41	MP GAMMA2	Y	.008	4
42	MP GAMMA2	X	-.014	4
43	MP ALPHA3	Y	.01	4
44	MP ALPHA3	X	-.017	4
45	MP BETA3	Y	.011	4
46	MP BETA3	X	-.02	4
47	MP GAMMA3	Y	.01	4
48	MP GAMMA3	X	-.017	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
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Member Point Loads (BLC 33 : Ice Wind Load (150)) (Continued)

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.019	5.875
2	MP ALPHA3	Y	.019	2.125
3	MP ALPHA3	X	-.011	5.875
4	MP ALPHA3	X	-.011	2.125
5	MP BETA3	Y	.019	5.875
6	MP BETA3	Y	.019	2.125
7	MP BETA3	X	-.011	5.875
8	MP BETA3	X	-.011	2.125
9	MP ALPHA1	Y	.019	5.042
10	MP ALPHA1	Y	.019	2.958
11	MP ALPHA1	X	-.011	5.042
12	MP ALPHA1	X	-.011	2.958
13	MP BETA1	Y	.019	5.042
14	MP BETA1	Y	.019	2.958
15	MP BETA1	X	-.011	5.042
16	MP BETA1	X	-.011	2.958
17	MP ALPHA2	Y	.058	6.917
18	MP ALPHA2	Y	.058	1.083
19	MP ALPHA2	X	-.034	6.917
20	MP ALPHA2	X	-.034	1.083
21	MP BETA2	Y	.058	6.917
22	MP BETA2	Y	.058	1.083
23	MP BETA2	X	-.034	6.917
24	MP BETA2	X	-.034	1.083
25	MP GAMMA3	Y	.012	5.875
26	MP GAMMA3	Y	.012	2.125
27	MP GAMMA3	X	-.007	5.875
28	MP GAMMA3	X	-.007	2.125
29	MP GAMMA1	Y	.012	5.042
30	MP GAMMA1	Y	.012	2.958
31	MP GAMMA1	X	-.007	5.042
32	MP GAMMA1	X	-.007	2.958
33	MP GAMMA2	Y	.035	6.917
34	MP GAMMA2	Y	.035	1.083
35	MP GAMMA2	X	-.02	6.917
36	MP GAMMA2	X	-.02	1.083
37	MP ALPHA2	Y	.015	4
38	MP ALPHA2	X	-.009	4
39	MP BETA2	Y	.015	4
40	MP BETA2	X	-.009	4
41	MP GAMMA2	Y	.013	4
42	MP GAMMA2	X	-.007	4
43	MP ALPHA3	Y	.019	4
44	MP ALPHA3	X	-.011	4
45	MP BETA3	Y	.019	4
46	MP BETA3	X	-.011	4
47	MP GAMMA3	Y	.016	4
48	MP GAMMA3	X	-.009	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft,%]
1	MP ALPHA3	Y	.025	5.875
2	MP ALPHA3	Y	.025	2.125
3	MP BETA3	Y	.016	5.875
4	MP BETA3	Y	.016	2.125
5	MP ALPHA1	Y	.026	5.042



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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
6	MP ALPHA1	Y	.026	2.958
7	MP BETA1	Y	.016	5.042
8	MP BETA1	Y	.016	2.958
9	MP ALPHA2	Y	.077	6.917
10	MP ALPHA2	Y	.077	1.083
11	MP BETA2	Y	.048	6.917
12	MP BETA2	Y	.048	1.083
13	MP GAMMA3	Y	.02	5.875
14	MP GAMMA3	Y	.02	2.125
15	MP GAMMA1	Y	.02	5.042
16	MP GAMMA1	Y	.02	2.958
17	MP GAMMA2	Y	.06	6.917
18	MP GAMMA2	Y	.06	1.083
19	MP ALPHA2	Y	.018	4
20	MP BETA2	Y	.016	4
21	MP GAMMA2	Y	.016	4
22	MP ALPHA3	Y	.023	4
23	MP BETA3	Y	.019	4
24	MP GAMMA3	Y	.019	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA3	Y	.019	5.875
2	MP ALPHA3	Y	.019	2.125
3	MP ALPHA3	X	.011	5.875
4	MP ALPHA3	X	.011	2.125
5	MP BETA3	Y	.012	5.875
6	MP BETA3	Y	.012	2.125
7	MP BETA3	X	.007	5.875
8	MP BETA3	X	.007	2.125
9	MP ALPHA1	Y	.019	5.042
10	MP ALPHA1	Y	.019	2.958
11	MP ALPHA1	X	.011	5.042
12	MP ALPHA1	X	.011	2.958
13	MP BETA1	Y	.011	5.042
14	MP BETA1	Y	.011	2.958
15	MP BETA1	X	.006	5.042
16	MP BETA1	X	.006	2.958
17	MP ALPHA2	Y	.058	6.917
18	MP ALPHA2	Y	.058	1.083
19	MP ALPHA2	X	.034	6.917
20	MP ALPHA2	X	.034	1.083
21	MP BETA2	Y	.033	6.917
22	MP BETA2	Y	.033	1.083
23	MP BETA2	X	.019	6.917
24	MP BETA2	X	.019	1.083
25	MP GAMMA3	Y	.022	5.875
26	MP GAMMA3	Y	.022	2.125
27	MP GAMMA3	X	.013	5.875
28	MP GAMMA3	X	.013	2.125
29	MP GAMMA1	Y	.022	5.042
30	MP GAMMA1	Y	.022	2.958
31	MP GAMMA1	X	.013	5.042
32	MP GAMMA1	X	.013	2.958
33	MP GAMMA2	Y	.067	6.917
34	MP GAMMA2	Y	.067	1.083



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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft. %]
35	MP GAMMA2	X	.039	6.917
36	MP GAMMA2	X	.039	1.083
37	MP ALPHA2	Y	.015	4
38	MP ALPHA2	X	.009	4
39	MP BETA2	Y	.013	4
40	MP BETA2	X	.007	4
41	MP GAMMA2	Y	.015	4
42	MP GAMMA2	X	.009	4
43	MP ALPHA3	Y	.019	4
44	MP ALPHA3	X	.011	4
45	MP BETA3	Y	.016	4
46	MP BETA3	X	.009	4
47	MP GAMMA3	Y	.019	4
48	MP GAMMA3	X	.011	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft. %]
1	MP ALPHA3	Y	.008	5.875
2	MP ALPHA3	Y	.008	2.125
3	MP ALPHA3	X	.014	5.875
4	MP ALPHA3	X	.014	2.125
5	MP BETA3	Y	.008	5.875
6	MP BETA3	Y	.008	2.125
7	MP BETA3	X	.014	5.875
8	MP BETA3	X	.014	2.125
9	MP ALPHA1	Y	.008	5.042
10	MP ALPHA1	Y	.008	2.958
11	MP ALPHA1	X	.014	5.042
12	MP ALPHA1	X	.014	2.958
13	MP BETA1	Y	.008	5.042
14	MP BETA1	Y	.008	2.958
15	MP BETA1	X	.014	5.042
16	MP BETA1	X	.014	2.958
17	MP ALPHA2	Y	.024	6.917
18	MP ALPHA2	Y	.024	1.083
19	MP ALPHA2	X	.041	6.917
20	MP ALPHA2	X	.041	1.083
21	MP BETA2	Y	.024	6.917
22	MP BETA2	Y	.024	1.083
23	MP BETA2	X	.041	6.917
24	MP BETA2	X	.041	1.083
25	MP GAMMA3	Y	.012	5.875
26	MP GAMMA3	Y	.012	2.125
27	MP GAMMA3	X	.021	5.875
28	MP GAMMA3	X	.021	2.125
29	MP GAMMA1	Y	.012	5.042
30	MP GAMMA1	Y	.012	2.958
31	MP GAMMA1	X	.022	5.042
32	MP GAMMA1	X	.022	2.958
33	MP GAMMA2	Y	.038	6.917
34	MP GAMMA2	Y	.038	1.083
35	MP GAMMA2	X	.065	6.917
36	MP GAMMA2	X	.065	1.083
37	MP ALPHA2	Y	.008	4
38	MP ALPHA2	X	.014	4
39	MP BETA2	Y	.008	4



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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft,%]
40	MP BETA2	X	.014	4
41	MP GAMMA2	Y	.009	4
42	MP GAMMA2	X	.015	4
43	MP ALPHA3	Y	.01	4
44	MP ALPHA3	X	.017	4
45	MP BETA3	Y	.01	4
46	MP BETA3	X	.017	4
47	MP GAMMA3	Y	.011	4
48	MP GAMMA3	X	.02	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft,%]
1	MP ALPHA3	X	.013	5.875
2	MP ALPHA3	X	.013	2.125
3	MP BETA3	X	.022	5.875
4	MP BETA3	X	.022	2.125
5	MP ALPHA1	X	.013	5.042
6	MP ALPHA1	X	.013	2.958
7	MP BETA1	X	.022	5.042
8	MP BETA1	X	.022	2.958
9	MP ALPHA2	X	.038	6.917
10	MP ALPHA2	X	.038	1.083
11	MP BETA2	X	.068	6.917
12	MP BETA2	X	.068	1.083
13	MP GAMMA3	X	.018	5.875
14	MP GAMMA3	X	.018	2.125
15	MP GAMMA1	X	.018	5.042
16	MP GAMMA1	X	.018	2.958
17	MP GAMMA2	X	.055	6.917
18	MP GAMMA2	X	.055	1.083
19	MP ALPHA2	X	.015	4
20	MP BETA2	X	.017	4
21	MP GAMMA2	X	.017	4
22	MP ALPHA3	X	.018	4
23	MP BETA3	X	.021	4
24	MP GAMMA3	X	.021	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft,%]
1	MP ALPHA3	Y	-.008	5.875
2	MP ALPHA3	Y	-.008	2.125
3	MP ALPHA3	X	.014	5.875
4	MP ALPHA3	X	.014	2.125
5	MP BETA3	Y	-.012	5.875
6	MP BETA3	Y	-.012	2.125
7	MP BETA3	X	.021	5.875
8	MP BETA3	X	.021	2.125
9	MP ALPHA1	Y	-.008	5.042
10	MP ALPHA1	Y	-.008	2.958
11	MP ALPHA1	X	.014	5.042
12	MP ALPHA1	X	.014	2.958
13	MP BETA1	Y	-.013	5.042
14	MP BETA1	Y	-.013	2.958
15	MP BETA1	X	.022	5.042
16	MP BETA1	X	.022	2.958
17	MP ALPHA2	Y	-.024	6.917



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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft. %]
18	MP ALPHA2	Y	-.024	1.083
19	MP ALPHA2	X	.041	6.917
20	MP ALPHA2	X	.041	1.083
21	MP BETA2	Y	-.039	6.917
22	MP BETA2	Y	-.039	1.083
23	MP BETA2	X	.067	6.917
24	MP BETA2	X	.067	1.083
25	MP GAMMA3	Y	-.006	5.875
26	MP GAMMA3	Y	-.006	2.125
27	MP GAMMA3	X	.011	5.875
28	MP GAMMA3	X	.011	2.125
29	MP GAMMA1	Y	-.006	5.042
30	MP GAMMA1	Y	-.006	2.958
31	MP GAMMA1	X	.011	5.042
32	MP GAMMA1	X	.011	2.958
33	MP GAMMA2	Y	-.019	6.917
34	MP GAMMA2	Y	-.019	1.083
35	MP GAMMA2	X	.032	6.917
36	MP GAMMA2	X	.032	1.083
37	MP ALPHA2	Y	-.008	4
38	MP ALPHA2	X	.014	4
39	MP BETA2	Y	-.009	4
40	MP BETA2	X	.015	4
41	MP GAMMA2	Y	-.008	4
42	MP GAMMA2	X	.014	4
43	MP ALPHA3	Y	-.01	4
44	MP ALPHA3	X	.017	4
45	MP BETA3	Y	-.011	4
46	MP BETA3	X	.02	4
47	MP GAMMA3	Y	-.01	4
48	MP GAMMA3	X	.017	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft. %]
1	MP ALPHA3	Y	-.019	5.875
2	MP ALPHA3	Y	-.019	2.125
3	MP ALPHA3	X	.011	5.875
4	MP ALPHA3	X	.011	2.125
5	MP BETA3	Y	-.019	5.875
6	MP BETA3	Y	-.019	2.125
7	MP BETA3	X	.011	5.875
8	MP BETA3	X	.011	2.125
9	MP ALPHA1	Y	-.019	5.042
10	MP ALPHA1	Y	-.019	2.958
11	MP ALPHA1	X	.011	5.042
12	MP ALPHA1	X	.011	2.958
13	MP BETA1	Y	-.019	5.042
14	MP BETA1	Y	-.019	2.958
15	MP BETA1	X	.011	5.042
16	MP BETA1	X	.011	2.958
17	MP ALPHA2	Y	-.058	6.917
18	MP ALPHA2	Y	-.058	1.083
19	MP ALPHA2	X	.034	6.917
20	MP ALPHA2	X	.034	1.083
21	MP BETA2	Y	-.058	6.917
22	MP BETA2	Y	-.058	1.083



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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
23	MP BETA2	X	.034	6.917
24	MP BETA2	X	.034	1.083
25	MP GAMMA3	Y	-.012	5.875
26	MP GAMMA3	Y	-.012	2.125
27	MP GAMMA3	X	.007	5.875
28	MP GAMMA3	X	.007	2.125
29	MP GAMMA1	Y	-.012	5.042
30	MP GAMMA1	Y	-.012	2.958
31	MP GAMMA1	X	.007	5.042
32	MP GAMMA1	X	.007	2.958
33	MP GAMMA2	Y	-.035	6.917
34	MP GAMMA2	Y	-.035	1.083
35	MP GAMMA2	X	.02	6.917
36	MP GAMMA2	X	.02	1.083
37	MP ALPHA2	Y	-.015	4
38	MP ALPHA2	X	.009	4
39	MP BETA2	Y	-.015	4
40	MP BETA2	X	.009	4
41	MP GAMMA2	Y	-.013	4
42	MP GAMMA2	X	.007	4
43	MP ALPHA3	Y	-.019	4
44	MP ALPHA3	X	.011	4
45	MP BETA3	Y	-.019	4
46	MP BETA3	X	.011	4
47	MP GAMMA3	Y	-.016	4
48	MP GAMMA3	X	.009	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
1	MP ALPHA3	X	-.001	5.875
2	MP ALPHA3	X	-.001	2.125
3	MP BETA3	X	-.001	5.875
4	MP BETA3	X	-.001	2.125
5	MP ALPHA1	X	-.004	5.042
6	MP ALPHA1	X	-.004	2.958
7	MP BETA1	X	-.004	5.042
8	MP BETA1	X	-.004	2.958
9	MP ALPHA2	X	-.008	6.917
10	MP ALPHA2	X	-.008	1.083
11	MP BETA2	X	-.008	6.917
12	MP BETA2	X	-.008	1.083
13	MP GAMMA3	X	-.001	5.875
14	MP GAMMA3	X	-.001	2.125
15	MP GAMMA1	X	-.004	5.042
16	MP GAMMA1	X	-.004	2.958
17	MP GAMMA2	X	-.008	6.917
18	MP GAMMA2	X	-.008	1.083
19	MP ALPHA2	X	-.005	4
20	MP BETA2	X	-.005	4
21	MP GAMMA2	X	-.005	4
22	MP ALPHA3	X	-.011	4
23	MP BETA3	X	-.011	4
24	MP GAMMA3	X	-.011	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft, %]
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Member Point Loads (BLC 41 : Earthquake (y-direction)) (Continued)

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft. %]
1	MP ALPHA3	Y	-0.01	5.875
2	MP ALPHA3	Y	-0.01	2.125
3	MP BETA3	Y	-0.01	5.875
4	MP BETA3	Y	-0.01	2.125
5	MP ALPHA1	Y	-0.04	5.042
6	MP ALPHA1	Y	-0.04	2.958
7	MP BETA1	Y	-0.04	5.042
8	MP BETA1	Y	-0.04	2.958
9	MP ALPHA2	Y	-0.08	6.917
10	MP ALPHA2	Y	-0.08	1.083
11	MP BETA2	Y	-0.08	6.917
12	MP BETA2	Y	-0.08	1.083
13	MP GAMMA3	Y	-0.01	5.875
14	MP GAMMA3	Y	-0.01	2.125
15	MP GAMMA1	Y	-0.04	5.042
16	MP GAMMA1	Y	-0.04	2.958
17	MP GAMMA2	Y	-0.08	6.917
18	MP GAMMA2	Y	-0.08	1.083
19	MP ALPHA2	Y	-0.05	4
20	MP BETA2	Y	-0.05	4
21	MP GAMMA2	Y	-0.05	4
22	MP ALPHA3	Y	-0.11	4
23	MP BETA3	Y	-0.11	4
24	MP GAMMA3	Y	-0.11	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft. %]
1	MP ALPHA3	Z	-0.005	5.875
2	MP ALPHA3	Z	-0.005	2.125
3	MP BETA3	Z	-0.005	5.875
4	MP BETA3	Z	-0.005	2.125
5	MP ALPHA1	Z	-0.02	5.042
6	MP ALPHA1	Z	-0.02	2.958
7	MP BETA1	Z	-0.02	5.042
8	MP BETA1	Z	-0.02	2.958
9	MP ALPHA2	Z	-0.03	6.917
10	MP ALPHA2	Z	-0.03	1.083
11	MP BETA2	Z	-0.03	6.917
12	MP BETA2	Z	-0.03	1.083
13	MP GAMMA3	Z	-0.005	5.875
14	MP GAMMA3	Z	-0.005	2.125
15	MP GAMMA1	Z	-0.02	5.042
16	MP GAMMA1	Z	-0.02	2.958
17	MP GAMMA2	Z	-0.03	6.917
18	MP GAMMA2	Z	-0.03	1.083
19	MP ALPHA2	Z	-0.02	4
20	MP BETA2	Z	-0.02	4
21	MP GAMMA2	Z	-0.02	4
22	MP ALPHA3	Z	-0.05	4
23	MP BETA3	Z	-0.05	4
24	MP GAMMA3	Z	-0.05	4



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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	CON1	PY	-0.003	-0.003	0	0
2	CON2	PY	-0.003	-0.003	0	0
3	CON3	PY	-0.003	-0.003	0	0
4	CR1	PY	-0.004	-0.004	0	0
5	CR2	PY	-0.004	-0.004	0	0
6	CR3	PY	-0.004	-0.004	0	0
7	CR4	PY	-0.004	-0.004	0	0
8	CR5	PY	-0.004	-0.004	0	0
9	CR6	PY	-0.004	-0.004	0	0
10	END1	PY	-0.004	-0.004	0	0
11	END2	PY	-0.004	-0.004	0	0
12	END3	PY	-0.004	-0.004	0	0
13	END4	PY	-0.004	-0.004	0	0
14	END5	PY	-0.004	-0.004	0	0
15	END6	PY	-0.004	-0.004	0	0
16	FACE1	PY	-0.004	-0.004	0	0
17	FACE2	PY	-0.009	-0.009	0	0
18	FACE3	PY	-0.009	-0.009	0	0
19	KICKER1	PY	-0.009	-0.009	0	0
20	KICKER2	PY	-0.009	-0.009	0	0
21	KICKER3	PY	-0.009	-0.009	0	0
22	MP ALPHA1	PY	-0.01	-0.01	0	0
23	MP ALPHA2	PY	-0.01	-0.01	0	0
24	MP ALPHA3	PY	-0.01	-0.01	0	0
25	MP ALPHA4	PY	-0.01	-0.01	0	0
26	MP BETA1	PY	-0.01	-0.01	0	0
27	MP BETA2	PY	-0.01	-0.01	0	0
28	MP BETA3	PY	-0.01	-0.01	0	0
29	MP BETA4	PY	-0.01	-0.01	0	0
30	MP GAMMA1	PY	-0.01	-0.01	0	0
31	MP GAMMA2	PY	-0.01	-0.01	0	0
32	MP GAMMA3	PY	-0.01	-0.01	0	0
33	MP GAMMA4	PY	-0.01	-0.01	0	0
34	RAIL1	PY	-0.003	-0.003	0	0
35	RAIL2	PY	-0.006	-0.006	0	0
36	RAIL3	PY	-0.006	-0.006	0	0
37	SO1	PY	-0.011	-0.011	0	0
38	SO2	PY	-0.011	-0.011	0	0
39	SO3	PY	-0.011	-0.011	0	0
40	SUPP1	PY	-0.005	-0.005	0	0
41	SUPP2	PY	-0.005	-0.005	0	0
42	SUPP3	PY	-0.005	-0.005	0	0
43	SUPP4	PY	-0.005	-0.005	0	0
44	SUPP5	PY	-0.005	-0.005	0	0
45	SUPP6	PY	-0.005	-0.005	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	CON1	PY	-0.003	-0.003	0	0
2	CON2	PY	-0.003	-0.003	0	0
3	CON3	PY	-0.003	-0.003	0	0
4	CR1	PY	-0.004	-0.004	0	0
5	CR2	PY	-0.004	-0.004	0	0
6	CR3	PY	-0.004	-0.004	0	0
7	CR4	PY	-0.004	-0.004	0	0



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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.%]
8	CR5	PY	-0.004	-0.004	0	0
9	CR6	PY	-0.004	-0.004	0	0
10	END1	PY	-0.004	-0.004	0	0
11	END2	PY	-0.004	-0.004	0	0
12	END3	PY	-0.004	-0.004	0	0
13	END4	PY	-0.004	-0.004	0	0
14	END5	PY	-0.004	-0.004	0	0
15	END6	PY	-0.004	-0.004	0	0
16	FACE1	PY	-0.004	-0.004	0	0
17	FACE2	PY	-0.008	-0.008	0	0
18	FACE3	PY	-0.008	-0.008	0	0
19	KICKER1	PY	-0.008	-0.008	0	0
20	KICKER2	PY	-0.008	-0.008	0	0
21	KICKER3	PY	-0.008	-0.008	0	0
22	MP ALPHA1	PY	-0.009	-0.009	0	0
23	MP ALPHA2	PY	-0.009	-0.009	0	0
24	MP ALPHA3	PY	-0.009	-0.009	0	0
25	MP ALPHA4	PY	-0.009	-0.009	0	0
26	MP BETA1	PY	-0.009	-0.009	0	0
27	MP BETA2	PY	-0.009	-0.009	0	0
28	MP BETA3	PY	-0.009	-0.009	0	0
29	MP BETA4	PY	-0.009	-0.009	0	0
30	MP GAMMA1	PY	-0.009	-0.009	0	0
31	MP GAMMA2	PY	-0.009	-0.009	0	0
32	MP GAMMA3	PY	-0.009	-0.009	0	0
33	MP GAMMA4	PY	-0.009	-0.009	0	0
34	RAIL1	PY	-0.003	-0.003	0	0
35	RAIL2	PY	-0.005	-0.005	0	0
36	RAIL3	PY	-0.005	-0.005	0	0
37	SO1	PY	-0.01	-0.01	0	0
38	SO2	PY	-0.01	-0.01	0	0
39	SO3	PY	-0.01	-0.01	0	0
40	SUPP1	PY	-0.004	-0.004	0	0
41	SUPP2	PY	-0.004	-0.004	0	0
42	SUPP3	PY	-0.004	-0.004	0	0
43	SUPP4	PY	-0.004	-0.004	0	0
44	SUPP5	PY	-0.004	-0.004	0	0
45	SUPP6	PY	-0.004	-0.004	0	0
46	CON1	PX	-0.002	-0.002	0	0
47	CON2	PX	-0.002	-0.002	0	0
48	CON3	PX	-0.002	-0.002	0	0
49	CR1	PX	-0.002	-0.002	0	0
50	CR2	PX	-0.002	-0.002	0	0
51	CR3	PX	-0.002	-0.002	0	0
52	CR4	PX	-0.002	-0.002	0	0
53	CR5	PX	-0.002	-0.002	0	0
54	CR6	PX	-0.002	-0.002	0	0
55	END1	PX	-0.002	-0.002	0	0
56	END2	PX	-0.002	-0.002	0	0
57	END3	PX	-0.002	-0.002	0	0
58	END4	PX	-0.002	-0.002	0	0
59	END5	PX	-0.002	-0.002	0	0
60	END6	PX	-0.002	-0.002	0	0
61	FACE1	PX	-0.002	-0.002	0	0
62	FACE2	PX	-0.004	-0.004	0	0
63	FACE3	PX	-0.004	-0.004	0	0
64	KICKER1	PX	-0.005	-0.005	0	0



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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	KICKER2	PX	-0.005	-0.005	0	0
66	KICKER3	PX	-0.005	-0.005	0	0
67	MP ALPHA1	PX	-0.005	-0.005	0	0
68	MP ALPHA2	PX	-0.005	-0.005	0	0
69	MP ALPHA3	PX	-0.005	-0.005	0	0
70	MP ALPHA4	PX	-0.005	-0.005	0	0
71	MP BETA1	PX	-0.005	-0.005	0	0
72	MP BETA2	PX	-0.005	-0.005	0	0
73	MP BETA3	PX	-0.005	-0.005	0	0
74	MP BETA4	PX	-0.005	-0.005	0	0
75	MP GAMMA1	PX	-0.005	-0.005	0	0
76	MP GAMMA2	PX	-0.005	-0.005	0	0
77	MP GAMMA3	PX	-0.005	-0.005	0	0
78	MP GAMMA4	PX	-0.005	-0.005	0	0
79	RAIL1	PX	-0.002	-0.002	0	0
80	RAIL2	PX	-0.003	-0.003	0	0
81	RAIL3	PX	-0.003	-0.003	0	0
82	SO1	PX	-0.006	-0.006	0	0
83	SO2	PX	-0.006	-0.006	0	0
84	SO3	PX	-0.006	-0.006	0	0
85	SUPP1	PX	-0.002	-0.002	0	0
86	SUPP2	PX	-0.002	-0.002	0	0
87	SUPP3	PX	-0.002	-0.002	0	0
88	SUPP4	PX	-0.002	-0.002	0	0
89	SUPP5	PX	-0.002	-0.002	0	0
90	SUPP6	PX	-0.002	-0.002	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	CON1	PY	-0.002	-0.002	0	0
2	CON2	PY	-0.002	-0.002	0	0
3	CON3	PY	-0.002	-0.002	0	0
4	CR1	PY	-0.002	-0.002	0	0
5	CR2	PY	-0.002	-0.002	0	0
6	CR3	PY	-0.002	-0.002	0	0
7	CR4	PY	-0.002	-0.002	0	0
8	CR5	PY	-0.002	-0.002	0	0
9	CR6	PY	-0.002	-0.002	0	0
10	END1	PY	-0.002	-0.002	0	0
11	END2	PY	-0.002	-0.002	0	0
12	END3	PY	-0.002	-0.002	0	0
13	END4	PY	-0.002	-0.002	0	0
14	END5	PY	-0.002	-0.002	0	0
15	END6	PY	-0.002	-0.002	0	0
16	FACE1	PY	-0.002	-0.002	0	0
17	FACE2	PY	-0.004	-0.004	0	0
18	FACE3	PY	-0.004	-0.004	0	0
19	KICKER1	PY	-0.005	-0.005	0	0
20	KICKER2	PY	-0.005	-0.005	0	0
21	KICKER3	PY	-0.005	-0.005	0	0
22	MP ALPHA1	PY	-0.005	-0.005	0	0
23	MP ALPHA2	PY	-0.005	-0.005	0	0
24	MP ALPHA3	PY	-0.005	-0.005	0	0
25	MP ALPHA4	PY	-0.005	-0.005	0	0
26	MP BETA1	PY	-0.005	-0.005	0	0
27	MP BETA2	PY	-0.005	-0.005	0	0



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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.%]
28	MP BETA3	PY	-0.005	-0.005	0	0
29	MP BETA4	PY	-0.005	-0.005	0	0
30	MP GAMMA1	PY	-0.005	-0.005	0	0
31	MP GAMMA2	PY	-0.005	-0.005	0	0
32	MP GAMMA3	PY	-0.005	-0.005	0	0
33	MP GAMMA4	PY	-0.005	-0.005	0	0
34	RAIL1	PY	-0.002	-0.002	0	0
35	RAIL2	PY	-0.003	-0.003	0	0
36	RAIL3	PY	-0.003	-0.003	0	0
37	SO1	PY	-0.006	-0.006	0	0
38	SO2	PY	-0.006	-0.006	0	0
39	SO3	PY	-0.006	-0.006	0	0
40	SUPP1	PY	-0.002	-0.002	0	0
41	SUPP2	PY	-0.002	-0.002	0	0
42	SUPP3	PY	-0.002	-0.002	0	0
43	SUPP4	PY	-0.002	-0.002	0	0
44	SUPP5	PY	-0.002	-0.002	0	0
45	SUPP6	PY	-0.002	-0.002	0	0
46	CON1	PX	-0.003	-0.003	0	0
47	CON2	PX	-0.003	-0.003	0	0
48	CON3	PX	-0.003	-0.003	0	0
49	CR1	PX	-0.004	-0.004	0	0
50	CR2	PX	-0.004	-0.004	0	0
51	CR3	PX	-0.004	-0.004	0	0
52	CR4	PX	-0.004	-0.004	0	0
53	CR5	PX	-0.004	-0.004	0	0
54	CR6	PX	-0.004	-0.004	0	0
55	END1	PX	-0.004	-0.004	0	0
56	END2	PX	-0.004	-0.004	0	0
57	END3	PX	-0.004	-0.004	0	0
58	END4	PX	-0.004	-0.004	0	0
59	END5	PX	-0.004	-0.004	0	0
60	END6	PX	-0.004	-0.004	0	0
61	FACE1	PX	-0.004	-0.004	0	0
62	FACE2	PX	-0.008	-0.008	0	0
63	FACE3	PX	-0.008	-0.008	0	0
64	KICKER1	PX	-0.008	-0.008	0	0
65	KICKER2	PX	-0.008	-0.008	0	0
66	KICKER3	PX	-0.008	-0.008	0	0
67	MP ALPHA1	PX	-0.009	-0.009	0	0
68	MP ALPHA2	PX	-0.009	-0.009	0	0
69	MP ALPHA3	PX	-0.009	-0.009	0	0
70	MP ALPHA4	PX	-0.009	-0.009	0	0
71	MP BETA1	PX	-0.009	-0.009	0	0
72	MP BETA2	PX	-0.009	-0.009	0	0
73	MP BETA3	PX	-0.009	-0.009	0	0
74	MP BETA4	PX	-0.009	-0.009	0	0
75	MP GAMMA1	PX	-0.009	-0.009	0	0
76	MP GAMMA2	PX	-0.009	-0.009	0	0
77	MP GAMMA3	PX	-0.009	-0.009	0	0
78	MP GAMMA4	PX	-0.009	-0.009	0	0
79	RAIL1	PX	-0.003	-0.003	0	0
80	RAIL2	PX	-0.005	-0.005	0	0
81	RAIL3	PX	-0.005	-0.005	0	0
82	SO1	PX	-0.01	-0.01	0	0
83	SO2	PX	-0.01	-0.01	0	0
84	SO3	PX	-0.01	-0.01	0	0



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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.%]
85	SUPP1	PX	-0.04	-0.04	0	0
86	SUPP2	PX	-0.04	-0.04	0	0
87	SUPP3	PX	-0.04	-0.04	0	0
88	SUPP4	PX	-0.04	-0.04	0	0
89	SUPP5	PX	-0.04	-0.04	0	0
90	SUPP6	PX	-0.04	-0.04	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	CON1	PX	-0.003	-0.003	0	0
2	CON2	PX	-0.003	-0.003	0	0
3	CON3	PX	-0.003	-0.003	0	0
4	CR1	PX	-0.004	-0.004	0	0
5	CR2	PX	-0.004	-0.004	0	0
6	CR3	PX	-0.004	-0.004	0	0
7	CR4	PX	-0.004	-0.004	0	0
8	CR5	PX	-0.004	-0.004	0	0
9	CR6	PX	-0.004	-0.004	0	0
10	END1	PX	-0.004	-0.004	0	0
11	END2	PX	-0.004	-0.004	0	0
12	END3	PX	-0.004	-0.004	0	0
13	END4	PX	-0.004	-0.004	0	0
14	END5	PX	-0.004	-0.004	0	0
15	END6	PX	-0.004	-0.004	0	0
16	FACE2	PX	-0.004	-0.004	0	0
17	FACE1	PX	-0.009	-0.009	0	0
18	FACE3	PX	-0.009	-0.009	0	0
19	KICKER1	PX	-0.009	-0.009	0	0
20	KICKER2	PX	-0.009	-0.009	0	0
21	KICKER3	PX	-0.009	-0.009	0	0
22	MP ALPHA1	PX	-0.01	-0.01	0	0
23	MP ALPHA2	PX	-0.01	-0.01	0	0
24	MP ALPHA3	PX	-0.01	-0.01	0	0
25	MP ALPHA4	PX	-0.01	-0.01	0	0
26	MP BETA1	PX	-0.01	-0.01	0	0
27	MP BETA2	PX	-0.01	-0.01	0	0
28	MP BETA3	PX	-0.01	-0.01	0	0
29	MP BETA4	PX	-0.01	-0.01	0	0
30	MP GAMMA1	PX	-0.01	-0.01	0	0
31	MP GAMMA2	PX	-0.01	-0.01	0	0
32	MP GAMMA3	PX	-0.01	-0.01	0	0
33	MP GAMMA4	PX	-0.01	-0.01	0	0
34	RAIL2	PX	-0.003	-0.003	0	0
35	RAIL1	PX	-0.006	-0.006	0	0
36	RAIL3	PX	-0.006	-0.006	0	0
37	SO1	PX	-0.011	-0.011	0	0
38	SO2	PX	-0.011	-0.011	0	0
39	SO3	PX	-0.011	-0.011	0	0
40	SUPP1	PX	-0.005	-0.005	0	0
41	SUPP2	PX	-0.005	-0.005	0	0
42	SUPP3	PX	-0.005	-0.005	0	0
43	SUPP4	PX	-0.005	-0.005	0	0
44	SUPP5	PX	-0.005	-0.005	0	0
45	SUPP6	PX	-0.005	-0.005	0	0



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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	CON1	PY	.002	.002	0	0
2	CON2	PY	.002	.002	0	0
3	CON3	PY	.002	.002	0	0
4	CR1	PY	.002	.002	0	0
5	CR2	PY	.002	.002	0	0
6	CR3	PY	.002	.002	0	0
7	CR4	PY	.002	.002	0	0
8	CR5	PY	.002	.002	0	0
9	CR6	PY	.002	.002	0	0
10	END1	PY	.002	.002	0	0
11	END2	PY	.002	.002	0	0
12	END3	PY	.002	.002	0	0
13	END4	PY	.002	.002	0	0
14	END5	PY	.002	.002	0	0
15	END6	PY	.002	.002	0	0
16	FACE2	PY	.002	.002	0	0
17	FACE1	PY	.004	.004	0	0
18	FACE3	PY	.004	.004	0	0
19	KICKER1	PY	.005	.005	0	0
20	KICKER2	PY	.005	.005	0	0
21	KICKER3	PY	.005	.005	0	0
22	MP ALPHA1	PY	.005	.005	0	0
23	MP ALPHA2	PY	.005	.005	0	0
24	MP ALPHA3	PY	.005	.005	0	0
25	MP ALPHA4	PY	.005	.005	0	0
26	MP BETA1	PY	.005	.005	0	0
27	MP BETA2	PY	.005	.005	0	0
28	MP BETA3	PY	.005	.005	0	0
29	MP BETA4	PY	.005	.005	0	0
30	MP GAMMA1	PY	.005	.005	0	0
31	MP GAMMA2	PY	.005	.005	0	0
32	MP GAMMA3	PY	.005	.005	0	0
33	MP GAMMA4	PY	.005	.005	0	0
34	RAIL2	PY	.002	.002	0	0
35	RAIL1	PY	.003	.003	0	0
36	RAIL3	PY	.003	.003	0	0
37	SO1	PY	.006	.006	0	0
38	SO2	PY	.006	.006	0	0
39	SO3	PY	.006	.006	0	0
40	SUPP1	PY	.002	.002	0	0
41	SUPP2	PY	.002	.002	0	0
42	SUPP3	PY	.002	.002	0	0
43	SUPP4	PY	.002	.002	0	0
44	SUPP5	PY	.002	.002	0	0
45	SUPP6	PY	.002	.002	0	0
46	CON1	PX	-.003	-.003	0	0
47	CON2	PX	-.003	-.003	0	0
48	CON3	PX	-.003	-.003	0	0
49	CR1	PX	-.004	-.004	0	0
50	CR2	PX	-.004	-.004	0	0
51	CR3	PX	-.004	-.004	0	0
52	CR4	PX	-.004	-.004	0	0
53	CR5	PX	-.004	-.004	0	0
54	CR6	PX	-.004	-.004	0	0
55	END1	PX	-.004	-.004	0	0
56	END2	PX	-.004	-.004	0	0
57	END3	PX	-.004	-.004	0	0



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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.%]
58	END4	PX	-.004	-.004	0	0
59	END5	PX	-.004	-.004	0	0
60	END6	PX	-.004	-.004	0	0
61	FACE2	PX	-.004	-.004	0	0
62	FACE1	PX	-.008	-.008	0	0
63	FACE3	PX	-.008	-.008	0	0
64	KICKER1	PX	-.008	-.008	0	0
65	KICKER2	PX	-.008	-.008	0	0
66	KICKER3	PX	-.008	-.008	0	0
67	MP ALPHA1	PX	-.009	-.009	0	0
68	MP ALPHA2	PX	-.009	-.009	0	0
69	MP ALPHA3	PX	-.009	-.009	0	0
70	MP ALPHA4	PX	-.009	-.009	0	0
71	MP BETA1	PX	-.009	-.009	0	0
72	MP BETA2	PX	-.009	-.009	0	0
73	MP BETA3	PX	-.009	-.009	0	0
74	MP BETA4	PX	-.009	-.009	0	0
75	MP GAMMA1	PX	-.009	-.009	0	0
76	MP GAMMA2	PX	-.009	-.009	0	0
77	MP GAMMA3	PX	-.009	-.009	0	0
78	MP GAMMA4	PX	-.009	-.009	0	0
79	RAIL2	PX	-.003	-.003	0	0
80	RAIL1	PX	-.005	-.005	0	0
81	RAIL3	PX	-.005	-.005	0	0
82	SO1	PX	-.01	-.01	0	0
83	SO2	PX	-.01	-.01	0	0
84	SO3	PX	-.01	-.01	0	0
85	SUPP1	PX	-.004	-.004	0	0
86	SUPP2	PX	-.004	-.004	0	0
87	SUPP3	PX	-.004	-.004	0	0
88	SUPP4	PX	-.004	-.004	0	0
89	SUPP5	PX	-.004	-.004	0	0
90	SUPP6	PX	-.004	-.004	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	CON1	PY	.003	.003	0	0
2	CON2	PY	.003	.003	0	0
3	CON3	PY	.003	.003	0	0
4	CR1	PY	.004	.004	0	0
5	CR2	PY	.004	.004	0	0
6	CR3	PY	.004	.004	0	0
7	CR4	PY	.004	.004	0	0
8	CR5	PY	.004	.004	0	0
9	CR6	PY	.004	.004	0	0
10	END1	PY	.004	.004	0	0
11	END2	PY	.004	.004	0	0
12	END3	PY	.004	.004	0	0
13	END4	PY	.004	.004	0	0
14	END5	PY	.004	.004	0	0
15	END6	PY	.004	.004	0	0
16	FACE2	PY	.004	.004	0	0
17	FACE1	PY	.008	.008	0	0
18	FACE3	PY	.008	.008	0	0
19	KICKER1	PY	.008	.008	0	0
20	KICKER2	PY	.008	.008	0	0



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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.%]	
21	KICKER3	PY	.008	.008	0	0
22	MP ALPHA1	PY	.009	.009	0	0
23	MP ALPHA2	PY	.009	.009	0	0
24	MP ALPHA3	PY	.009	.009	0	0
25	MP ALPHA4	PY	.009	.009	0	0
26	MP BETA1	PY	.009	.009	0	0
27	MP BETA2	PY	.009	.009	0	0
28	MP BETA3	PY	.009	.009	0	0
29	MP BETA4	PY	.009	.009	0	0
30	MP GAMMA1	PY	.009	.009	0	0
31	MP GAMMA2	PY	.009	.009	0	0
32	MP GAMMA3	PY	.009	.009	0	0
33	MP GAMMA4	PY	.009	.009	0	0
34	RAIL2	PY	.003	.003	0	0
35	RAIL1	PY	.005	.005	0	0
36	RAIL3	PY	.005	.005	0	0
37	SO1	PY	.01	.01	0	0
38	SO2	PY	.01	.01	0	0
39	SO3	PY	.01	.01	0	0
40	SUPP1	PY	.004	.004	0	0
41	SUPP2	PY	.004	.004	0	0
42	SUPP3	PY	.004	.004	0	0
43	SUPP4	PY	.004	.004	0	0
44	SUPP5	PY	.004	.004	0	0
45	SUPP6	PY	.004	.004	0	0
46	CON1	PX	-.002	-.002	0	0
47	CON2	PX	-.002	-.002	0	0
48	CON3	PX	-.002	-.002	0	0
49	CR1	PX	-.002	-.002	0	0
50	CR2	PX	-.002	-.002	0	0
51	CR3	PX	-.002	-.002	0	0
52	CR4	PX	-.002	-.002	0	0
53	CR5	PX	-.002	-.002	0	0
54	CR6	PX	-.002	-.002	0	0
55	END1	PX	-.002	-.002	0	0
56	END2	PX	-.002	-.002	0	0
57	END3	PX	-.002	-.002	0	0
58	END4	PX	-.002	-.002	0	0
59	END5	PX	-.002	-.002	0	0
60	END6	PX	-.002	-.002	0	0
61	FACE2	PX	-.002	-.002	0	0
62	FACE1	PX	-.004	-.004	0	0
63	FACE3	PX	-.004	-.004	0	0
64	KICKER1	PX	-.005	-.005	0	0
65	KICKER2	PX	-.005	-.005	0	0
66	KICKER3	PX	-.005	-.005	0	0
67	MP ALPHA1	PX	-.005	-.005	0	0
68	MP ALPHA2	PX	-.005	-.005	0	0
69	MP ALPHA3	PX	-.005	-.005	0	0
70	MP ALPHA4	PX	-.005	-.005	0	0
71	MP BETA1	PX	-.005	-.005	0	0
72	MP BETA2	PX	-.005	-.005	0	0
73	MP BETA3	PX	-.005	-.005	0	0
74	MP BETA4	PX	-.005	-.005	0	0
75	MP GAMMA1	PX	-.005	-.005	0	0
76	MP GAMMA2	PX	-.005	-.005	0	0
77	MP GAMMA3	PX	-.005	-.005	0	0



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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.%]
78	MP GAMMA4	PX	-.005	-.005	0	0
79	RAIL2	PX	-.002	-.002	0	0
80	RAIL1	PX	-.003	-.003	0	0
81	RAIL3	PX	-.003	-.003	0	0
82	SO1	PX	-.006	-.006	0	0
83	SO2	PX	-.006	-.006	0	0
84	SO3	PX	-.006	-.006	0	0
85	SUPP1	PX	-.002	-.002	0	0
86	SUPP2	PX	-.002	-.002	0	0
87	SUPP3	PX	-.002	-.002	0	0
88	SUPP4	PX	-.002	-.002	0	0
89	SUPP5	PX	-.002	-.002	0	0
90	SUPP6	PX	-.002	-.002	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	CON1	PY	.003	.003	0	0
2	CON2	PY	.003	.003	0	0
3	CON3	PY	.003	.003	0	0
4	CR1	PY	.004	.004	0	0
5	CR2	PY	.004	.004	0	0
6	CR3	PY	.004	.004	0	0
7	CR4	PY	.004	.004	0	0
8	CR5	PY	.004	.004	0	0
9	CR6	PY	.004	.004	0	0
10	END1	PY	.004	.004	0	0
11	END2	PY	.004	.004	0	0
12	END3	PY	.004	.004	0	0
13	END4	PY	.004	.004	0	0
14	END5	PY	.004	.004	0	0
15	END6	PY	.004	.004	0	0
16	FACE2	PY	.004	.004	0	0
17	FACE1	PY	.009	.009	0	0
18	FACE3	PY	.009	.009	0	0
19	KICKER1	PY	.009	.009	0	0
20	KICKER2	PY	.009	.009	0	0
21	KICKER3	PY	.009	.009	0	0
22	MP ALPHA1	PY	.01	.01	0	0
23	MP ALPHA2	PY	.01	.01	0	0
24	MP ALPHA3	PY	.01	.01	0	0
25	MP ALPHA4	PY	.01	.01	0	0
26	MP BETA1	PY	.01	.01	0	0
27	MP BETA2	PY	.01	.01	0	0
28	MP BETA3	PY	.01	.01	0	0
29	MP BETA4	PY	.01	.01	0	0
30	MP GAMMA1	PY	.01	.01	0	0
31	MP GAMMA2	PY	.01	.01	0	0
32	MP GAMMA3	PY	.01	.01	0	0
33	MP GAMMA4	PY	.01	.01	0	0
34	RAIL2	PY	.003	.003	0	0
35	RAIL1	PY	.006	.006	0	0
36	RAIL3	PY	.006	.006	0	0
37	SO1	PY	.011	.011	0	0
38	SO2	PY	.011	.011	0	0
39	SO3	PY	.011	.011	0	0
40	SUPP1	PY	.005	.005	0	0



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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, %]
41	SUPP2	PY	.005	.005	0	0
42	SUPP3	PY	.005	.005	0	0
43	SUPP4	PY	.005	.005	0	0
44	SUPP5	PY	.005	.005	0	0
45	SUPP6	PY	.005	.005	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	CON1	PY	.003	.003	0	0
2	CON2	PY	.003	.003	0	0
3	CON3	PY	.003	.003	0	0
4	CR1	PY	.004	.004	0	0
5	CR2	PY	.004	.004	0	0
6	CR3	PY	.004	.004	0	0
7	CR4	PY	.004	.004	0	0
8	CR5	PY	.004	.004	0	0
9	CR6	PY	.004	.004	0	0
10	END1	PY	.004	.004	0	0
11	END2	PY	.004	.004	0	0
12	END3	PY	.004	.004	0	0
13	END4	PY	.004	.004	0	0
14	END5	PY	.004	.004	0	0
15	END6	PY	.004	.004	0	0
16	FACE3	PY	.004	.004	0	0
17	FACE2	PY	.008	.008	0	0
18	FACE1	PY	.008	.008	0	0
19	KICKER1	PY	.008	.008	0	0
20	KICKER2	PY	.008	.008	0	0
21	KICKER3	PY	.008	.008	0	0
22	MP ALPHA1	PY	.009	.009	0	0
23	MP ALPHA2	PY	.009	.009	0	0
24	MP ALPHA3	PY	.009	.009	0	0
25	MP ALPHA4	PY	.009	.009	0	0
26	MP BETA1	PY	.009	.009	0	0
27	MP BETA2	PY	.009	.009	0	0
28	MP BETA3	PY	.009	.009	0	0
29	MP BETA4	PY	.009	.009	0	0
30	MP GAMMA1	PY	.009	.009	0	0
31	MP GAMMA2	PY	.009	.009	0	0
32	MP GAMMA3	PY	.009	.009	0	0
33	MP GAMMA4	PY	.009	.009	0	0
34	RAIL3	PY	.003	.003	0	0
35	RAIL2	PY	.005	.005	0	0
36	RAIL1	PY	.005	.005	0	0
37	SO1	PY	.01	.01	0	0
38	SO2	PY	.01	.01	0	0
39	SO3	PY	.01	.01	0	0
40	SUPP1	PY	.004	.004	0	0
41	SUPP2	PY	.004	.004	0	0
42	SUPP3	PY	.004	.004	0	0
43	SUPP4	PY	.004	.004	0	0
44	SUPP5	PY	.004	.004	0	0
45	SUPP6	PY	.004	.004	0	0
46	CON1	PX	.002	.002	0	0
47	CON2	PX	.002	.002	0	0
48	CON3	PX	.002	.002	0	0



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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, %]
49	CR1	PX	.002	.002	0	0
50	CR2	PX	.002	.002	0	0
51	CR3	PX	.002	.002	0	0
52	CR4	PX	.002	.002	0	0
53	CR5	PX	.002	.002	0	0
54	CR6	PX	.002	.002	0	0
55	END1	PX	.002	.002	0	0
56	END2	PX	.002	.002	0	0
57	END3	PX	.002	.002	0	0
58	END4	PX	.002	.002	0	0
59	END5	PX	.002	.002	0	0
60	END6	PX	.002	.002	0	0
61	FACE3	PX	.002	.002	0	0
62	FACE2	PX	.004	.004	0	0
63	FACE1	PX	.004	.004	0	0
64	KICKER1	PX	.005	.005	0	0
65	KICKER2	PX	.005	.005	0	0
66	KICKER3	PX	.005	.005	0	0
67	MP ALPHA1	PX	.005	.005	0	0
68	MP ALPHA2	PX	.005	.005	0	0
69	MP ALPHA3	PX	.005	.005	0	0
70	MP ALPHA4	PX	.005	.005	0	0
71	MP BETA1	PX	.005	.005	0	0
72	MP BETA2	PX	.005	.005	0	0
73	MP BETA3	PX	.005	.005	0	0
74	MP BETA4	PX	.005	.005	0	0
75	MP GAMMA1	PX	.005	.005	0	0
76	MP GAMMA2	PX	.005	.005	0	0
77	MP GAMMA3	PX	.005	.005	0	0
78	MP GAMMA4	PX	.005	.005	0	0
79	RAIL3	PX	.002	.002	0	0
80	RAIL2	PX	.003	.003	0	0
81	RAIL1	PX	.003	.003	0	0
82	SO1	PX	.006	.006	0	0
83	SO2	PX	.006	.006	0	0
84	SO3	PX	.006	.006	0	0
85	SUPP1	PX	.002	.002	0	0
86	SUPP2	PX	.002	.002	0	0
87	SUPP3	PX	.002	.002	0	0
88	SUPP4	PX	.002	.002	0	0
89	SUPP5	PX	.002	.002	0	0
90	SUPP6	PX	.002	.002	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	CON1	PY	.002	.002	0	0
2	CON2	PY	.002	.002	0	0
3	CON3	PY	.002	.002	0	0
4	CR1	PY	.002	.002	0	0
5	CR2	PY	.002	.002	0	0
6	CR3	PY	.002	.002	0	0
7	CR4	PY	.002	.002	0	0
8	CR5	PY	.002	.002	0	0
9	CR6	PY	.002	.002	0	0
10	END1	PY	.002	.002	0	0
11	END2	PY	.002	.002	0	0



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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.%]
12	END3	PY	.002	.002	0	0
13	END4	PY	.002	.002	0	0
14	END5	PY	.002	.002	0	0
15	END6	PY	.002	.002	0	0
16	FACE3	PY	.002	.002	0	0
17	FACE2	PY	.004	.004	0	0
18	FACE1	PY	.004	.004	0	0
19	KICKER1	PY	.005	.005	0	0
20	KICKER2	PY	.005	.005	0	0
21	KICKER3	PY	.005	.005	0	0
22	MP ALPHA1	PY	.005	.005	0	0
23	MP ALPHA2	PY	.005	.005	0	0
24	MP ALPHA3	PY	.005	.005	0	0
25	MP ALPHA4	PY	.005	.005	0	0
26	MP BETA1	PY	.005	.005	0	0
27	MP BETA2	PY	.005	.005	0	0
28	MP BETA3	PY	.005	.005	0	0
29	MP BETA4	PY	.005	.005	0	0
30	MP GAMMA1	PY	.005	.005	0	0
31	MP GAMMA2	PY	.005	.005	0	0
32	MP GAMMA3	PY	.005	.005	0	0
33	MP GAMMA4	PY	.005	.005	0	0
34	RAIL3	PY	.002	.002	0	0
35	RAIL2	PY	.003	.003	0	0
36	RAIL1	PY	.003	.003	0	0
37	SO1	PY	.006	.006	0	0
38	SO2	PY	.006	.006	0	0
39	SO3	PY	.006	.006	0	0
40	SUPP1	PY	.002	.002	0	0
41	SUPP2	PY	.002	.002	0	0
42	SUPP3	PY	.002	.002	0	0
43	SUPP4	PY	.002	.002	0	0
44	SUPP5	PY	.002	.002	0	0
45	SUPP6	PY	.002	.002	0	0
46	CON1	PX	.003	.003	0	0
47	CON2	PX	.003	.003	0	0
48	CON3	PX	.003	.003	0	0
49	CR1	PX	.004	.004	0	0
50	CR2	PX	.004	.004	0	0
51	CR3	PX	.004	.004	0	0
52	CR4	PX	.004	.004	0	0
53	CR5	PX	.004	.004	0	0
54	CR6	PX	.004	.004	0	0
55	END1	PX	.004	.004	0	0
56	END2	PX	.004	.004	0	0
57	END3	PX	.004	.004	0	0
58	END4	PX	.004	.004	0	0
59	END5	PX	.004	.004	0	0
60	END6	PX	.004	.004	0	0
61	FACE3	PX	.004	.004	0	0
62	FACE2	PX	.008	.008	0	0
63	FACE1	PX	.008	.008	0	0
64	KICKER1	PX	.008	.008	0	0
65	KICKER2	PX	.008	.008	0	0
66	KICKER3	PX	.008	.008	0	0
67	MP ALPHA1	PX	.009	.009	0	0
68	MP ALPHA2	PX	.009	.009	0	0



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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	MP ALPHA3	PX	.009	.009	0	0
70	MP ALPHA4	PX	.009	.009	0	0
71	MP BETA1	PX	.009	.009	0	0
72	MP BETA2	PX	.009	.009	0	0
73	MP BETA3	PX	.009	.009	0	0
74	MP BETA4	PX	.009	.009	0	0
75	MP GAMMA1	PX	.009	.009	0	0
76	MP GAMMA2	PX	.009	.009	0	0
77	MP GAMMA3	PX	.009	.009	0	0
78	MP GAMMA4	PX	.009	.009	0	0
79	RAIL3	PX	.003	.003	0	0
80	RAIL2	PX	.005	.005	0	0
81	RAIL1	PX	.005	.005	0	0
82	SO1	PX	.01	.01	0	0
83	SO2	PX	.01	.01	0	0
84	SO3	PX	.01	.01	0	0
85	SUPP1	PX	.004	.004	0	0
86	SUPP2	PX	.004	.004	0	0
87	SUPP3	PX	.004	.004	0	0
88	SUPP4	PX	.004	.004	0	0
89	SUPP5	PX	.004	.004	0	0
90	SUPP6	PX	.004	.004	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	CON1	PX	.003	.003	0	0
2	CON2	PX	.003	.003	0	0
3	CON3	PX	.003	.003	0	0
4	CR1	PX	.004	.004	0	0
5	CR2	PX	.004	.004	0	0
6	CR3	PX	.004	.004	0	0
7	CR4	PX	.004	.004	0	0
8	CR5	PX	.004	.004	0	0
9	CR6	PX	.004	.004	0	0
10	END1	PX	.004	.004	0	0
11	END2	PX	.004	.004	0	0
12	END3	PX	.004	.004	0	0
13	END4	PX	.004	.004	0	0
14	END5	PX	.004	.004	0	0
15	END6	PX	.004	.004	0	0
16	FACE3	PX	.004	.004	0	0
17	FACE2	PX	.009	.009	0	0
18	FACE1	PX	.009	.009	0	0
19	KICKER1	PX	.009	.009	0	0
20	KICKER2	PX	.009	.009	0	0
21	KICKER3	PX	.009	.009	0	0
22	MP ALPHA1	PX	.01	.01	0	0
23	MP ALPHA2	PX	.01	.01	0	0
24	MP ALPHA3	PX	.01	.01	0	0
25	MP ALPHA4	PX	.01	.01	0	0
26	MP BETA1	PX	.01	.01	0	0
27	MP BETA2	PX	.01	.01	0	0
28	MP BETA3	PX	.01	.01	0	0
29	MP BETA4	PX	.01	.01	0	0
30	MP GAMMA1	PX	.01	.01	0	0
31	MP GAMMA2	PX	.01	.01	0	0



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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.%]
32	MP GAMMA3	PX	.01	.01	0	0
33	MP GAMMA4	PX	.01	.01	0	0
34	RAIL3	PX	.003	.003	0	0
35	RAIL2	PX	.006	.006	0	0
36	RAIL1	PX	.006	.006	0	0
37	SO1	PX	.011	.011	0	0
38	SO2	PX	.011	.011	0	0
39	SO3	PX	.011	.011	0	0
40	SUPP1	PX	.005	.005	0	0
41	SUPP2	PX	.005	.005	0	0
42	SUPP3	PX	.005	.005	0	0
43	SUPP4	PX	.005	.005	0	0
44	SUPP5	PX	.005	.005	0	0
45	SUPP6	PX	.005	.005	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	CON1	PY	-.002	-.002	0	0
2	CON2	PY	-.002	-.002	0	0
3	CON3	PY	-.002	-.002	0	0
4	CR1	PY	-.002	-.002	0	0
5	CR2	PY	-.002	-.002	0	0
6	CR3	PY	-.002	-.002	0	0
7	CR4	PY	-.002	-.002	0	0
8	CR5	PY	-.002	-.002	0	0
9	CR6	PY	-.002	-.002	0	0
10	END1	PY	-.002	-.002	0	0
11	END2	PY	-.002	-.002	0	0
12	END3	PY	-.002	-.002	0	0
13	END4	PY	-.002	-.002	0	0
14	END5	PY	-.002	-.002	0	0
15	END6	PY	-.002	-.002	0	0
16	FACE3	PY	-.002	-.002	0	0
17	FACE2	PY	-.004	-.004	0	0
18	FACE1	PY	-.004	-.004	0	0
19	KICKER1	PY	-.005	-.005	0	0
20	KICKER2	PY	-.005	-.005	0	0
21	KICKER3	PY	-.005	-.005	0	0
22	MP ALPHA1	PY	-.005	-.005	0	0
23	MP ALPHA2	PY	-.005	-.005	0	0
24	MP ALPHA3	PY	-.005	-.005	0	0
25	MP ALPHA4	PY	-.005	-.005	0	0
26	MP BETA1	PY	-.005	-.005	0	0
27	MP BETA2	PY	-.005	-.005	0	0
28	MP BETA3	PY	-.005	-.005	0	0
29	MP BETA4	PY	-.005	-.005	0	0
30	MP GAMMA1	PY	-.005	-.005	0	0
31	MP GAMMA2	PY	-.005	-.005	0	0
32	MP GAMMA3	PY	-.005	-.005	0	0
33	MP GAMMA4	PY	-.005	-.005	0	0
34	RAIL3	PY	-.002	-.002	0	0
35	RAIL2	PY	-.003	-.003	0	0
36	RAIL1	PY	-.003	-.003	0	0
37	SO1	PY	-.006	-.006	0	0
38	SO2	PY	-.006	-.006	0	0
39	SO3	PY	-.006	-.006	0	0



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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.%]
40	SUPP1	PY	-.002	-.002	0	0
41	SUPP2	PY	-.002	-.002	0	0
42	SUPP3	PY	-.002	-.002	0	0
43	SUPP4	PY	-.002	-.002	0	0
44	SUPP5	PY	-.002	-.002	0	0
45	SUPP6	PY	-.002	-.002	0	0
46	CON1	PX	.003	.003	0	0
47	CON2	PX	.003	.003	0	0
48	CON3	PX	.003	.003	0	0
49	CR1	PX	.004	.004	0	0
50	CR2	PX	.004	.004	0	0
51	CR3	PX	.004	.004	0	0
52	CR4	PX	.004	.004	0	0
53	CR5	PX	.004	.004	0	0
54	CR6	PX	.004	.004	0	0
55	END1	PX	.004	.004	0	0
56	END2	PX	.004	.004	0	0
57	END3	PX	.004	.004	0	0
58	END4	PX	.004	.004	0	0
59	END5	PX	.004	.004	0	0
60	END6	PX	.004	.004	0	0
61	FACE3	PX	.004	.004	0	0
62	FACE2	PX	.008	.008	0	0
63	FACE1	PX	.008	.008	0	0
64	KICKER1	PX	.008	.008	0	0
65	KICKER2	PX	.008	.008	0	0
66	KICKER3	PX	.008	.008	0	0
67	MP ALPHA1	PX	.009	.009	0	0
68	MP ALPHA2	PX	.009	.009	0	0
69	MP ALPHA3	PX	.009	.009	0	0
70	MP ALPHA4	PX	.009	.009	0	0
71	MP BETA1	PX	.009	.009	0	0
72	MP BETA2	PX	.009	.009	0	0
73	MP BETA3	PX	.009	.009	0	0
74	MP BETA4	PX	.009	.009	0	0
75	MP GAMMA1	PX	.009	.009	0	0
76	MP GAMMA2	PX	.009	.009	0	0
77	MP GAMMA3	PX	.009	.009	0	0
78	MP GAMMA4	PX	.009	.009	0	0
79	RAIL3	PX	.003	.003	0	0
80	RAIL2	PX	.005	.005	0	0
81	RAIL1	PX	.005	.005	0	0
82	SO1	PX	.01	.01	0	0
83	SO2	PX	.01	.01	0	0
84	SO3	PX	.01	.01	0	0
85	SUPP1	PX	.004	.004	0	0
86	SUPP2	PX	.004	.004	0	0
87	SUPP3	PX	.004	.004	0	0
88	SUPP4	PX	.004	.004	0	0
89	SUPP5	PX	.004	.004	0	0
90	SUPP6	PX	.004	.004	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	CON1	PY	-.003	-.003	0	0
2	CON2	PY	-.003	-.003	0	0



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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.%]	
3	CON3	PY	-0.003	-0.003	0	0
4	CR1	PY	-0.004	-0.004	0	0
5	CR2	PY	-0.004	-0.004	0	0
6	CR3	PY	-0.004	-0.004	0	0
7	CR4	PY	-0.004	-0.004	0	0
8	CR5	PY	-0.004	-0.004	0	0
9	CR6	PY	-0.004	-0.004	0	0
10	END1	PY	-0.004	-0.004	0	0
11	END2	PY	-0.004	-0.004	0	0
12	END3	PY	-0.004	-0.004	0	0
13	END4	PY	-0.004	-0.004	0	0
14	END5	PY	-0.004	-0.004	0	0
15	END6	PY	-0.004	-0.004	0	0
16	FACE1	PY	-0.004	-0.004	0	0
17	FACE2	PY	-0.008	-0.008	0	0
18	FACE3	PY	-0.008	-0.008	0	0
19	KICKER1	PY	-0.008	-0.008	0	0
20	KICKER2	PY	-0.008	-0.008	0	0
21	KICKER3	PY	-0.008	-0.008	0	0
22	MP ALPHA1	PY	-0.009	-0.009	0	0
23	MP ALPHA2	PY	-0.009	-0.009	0	0
24	MP ALPHA3	PY	-0.009	-0.009	0	0
25	MP ALPHA4	PY	-0.009	-0.009	0	0
26	MP BETA1	PY	-0.009	-0.009	0	0
27	MP BETA2	PY	-0.009	-0.009	0	0
28	MP BETA3	PY	-0.009	-0.009	0	0
29	MP BETA4	PY	-0.009	-0.009	0	0
30	MP GAMMA1	PY	-0.009	-0.009	0	0
31	MP GAMMA2	PY	-0.009	-0.009	0	0
32	MP GAMMA3	PY	-0.009	-0.009	0	0
33	MP GAMMA4	PY	-0.009	-0.009	0	0
34	RAIL1	PY	-0.003	-0.003	0	0
35	RAIL2	PY	-0.005	-0.005	0	0
36	RAIL3	PY	-0.005	-0.005	0	0
37	SO1	PY	-0.01	-0.01	0	0
38	SO2	PY	-0.01	-0.01	0	0
39	SO3	PY	-0.01	-0.01	0	0
40	SUPP1	PY	-0.004	-0.004	0	0
41	SUPP2	PY	-0.004	-0.004	0	0
42	SUPP3	PY	-0.004	-0.004	0	0
43	SUPP4	PY	-0.004	-0.004	0	0
44	SUPP5	PY	-0.004	-0.004	0	0
45	SUPP6	PY	-0.004	-0.004	0	0
46	CON1	PX	.002	.002	0	0
47	CON2	PX	.002	.002	0	0
48	CON3	PX	.002	.002	0	0
49	CR1	PX	.002	.002	0	0
50	CR2	PX	.002	.002	0	0
51	CR3	PX	.002	.002	0	0
52	CR4	PX	.002	.002	0	0
53	CR5	PX	.002	.002	0	0
54	CR6	PX	.002	.002	0	0
55	END1	PX	.002	.002	0	0
56	END2	PX	.002	.002	0	0
57	END3	PX	.002	.002	0	0
58	END4	PX	.002	.002	0	0
59	END5	PX	.002	.002	0	0



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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.%]
60	END6	PX	.002	.002	0	0
61	FACE1	PX	.002	.002	0	0
62	FACE2	PX	.004	.004	0	0
63	FACE3	PX	.004	.004	0	0
64	KICKER1	PX	.005	.005	0	0
65	KICKER2	PX	.005	.005	0	0
66	KICKER3	PX	.005	.005	0	0
67	MP ALPHA1	PX	.005	.005	0	0
68	MP ALPHA2	PX	.005	.005	0	0
69	MP ALPHA3	PX	.005	.005	0	0
70	MP ALPHA4	PX	.005	.005	0	0
71	MP BETA1	PX	.005	.005	0	0
72	MP BETA2	PX	.005	.005	0	0
73	MP BETA3	PX	.005	.005	0	0
74	MP BETA4	PX	.005	.005	0	0
75	MP GAMMA1	PX	.005	.005	0	0
76	MP GAMMA2	PX	.005	.005	0	0
77	MP GAMMA3	PX	.005	.005	0	0
78	MP GAMMA4	PX	.005	.005	0	0
79	RAIL1	PX	.002	.002	0	0
80	RAIL2	PX	.003	.003	0	0
81	RAIL3	PX	.003	.003	0	0
82	SO1	PX	.006	.006	0	0
83	SO2	PX	.006	.006	0	0
84	SO3	PX	.006	.006	0	0
85	SUPP1	PX	.002	.002	0	0
86	SUPP2	PX	.002	.002	0	0
87	SUPP3	PX	.002	.002	0	0
88	SUPP4	PX	.002	.002	0	0
89	SUPP5	PX	.002	.002	0	0
90	SUPP6	PX	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%]	End Location[ft.%]
1	CON1	PY	-.000172	-.000172	0	0
2	CON2	PY	-.000172	-.000172	0	0
3	CON3	PY	-.000172	-.000172	0	0
4	CR1	PY	-.000254	-.000254	0	0
5	CR2	PY	-.000254	-.000254	0	0
6	CR3	PY	-.000254	-.000254	0	0
7	CR4	PY	-.000254	-.000254	0	0
8	CR5	PY	-.000254	-.000254	0	0
9	CR6	PY	-.000254	-.000254	0	0
10	END1	PY	-.000254	-.000254	0	0
11	END2	PY	-.000254	-.000254	0	0
12	END3	PY	-.000254	-.000254	0	0
13	END4	PY	-.000254	-.000254	0	0
14	END5	PY	-.000254	-.000254	0	0
15	END6	PY	-.000254	-.000254	0	0
16	FACE1	PY	-.000254	-.000254	0	0
17	FACE2	PY	-.000508	-.000508	0	0
18	FACE3	PY	-.000508	-.000508	0	0
19	KICKER1	PY	-.000518	-.000518	0	0
20	KICKER2	PY	-.000518	-.000518	0	0
21	KICKER3	PY	-.000518	-.000518	0	0
22	MP ALPHA1	PY	-.00059	-.00059	0	0



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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%]	End Location[ft.%]
23	MP ALPHA2	PY	-0.00059	-0.00059	0	0
24	MP ALPHA3	PY	-0.00059	-0.00059	0	0
25	MP ALPHA4	PY	-0.00059	-0.00059	0	0
26	MP BETA1	PY	-0.00059	-0.00059	0	0
27	MP BETA2	PY	-0.00059	-0.00059	0	0
28	MP BETA3	PY	-0.00059	-0.00059	0	0
29	MP BETA4	PY	-0.00059	-0.00059	0	0
30	MP GAMMA1	PY	-0.00059	-0.00059	0	0
31	MP GAMMA2	PY	-0.00059	-0.00059	0	0
32	MP GAMMA3	PY	-0.00059	-0.00059	0	0
33	MP GAMMA4	PY	-0.00059	-0.00059	0	0
34	RAIL1	PY	-0.000172	-0.000172	0	0
35	RAIL2	PY	-0.000345	-0.000345	0	0
36	RAIL3	PY	-0.000345	-0.000345	0	0
37	SO1	PY	-0.000648	-0.000648	0	0
38	SO2	PY	-0.000648	-0.000648	0	0
39	SO3	PY	-0.000648	-0.000648	0	0
40	SUPP1	PY	-0.000259	-0.000259	0	0
41	SUPP2	PY	-0.000259	-0.000259	0	0
42	SUPP3	PY	-0.000259	-0.000259	0	0
43	SUPP4	PY	-0.000259	-0.000259	0	0
44	SUPP5	PY	-0.000259	-0.000259	0	0
45	SUPP6	PY	-0.000259	-0.000259	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%]	End Location[ft.%]
1	CON1	PY	-0.000149	-0.000149	0	0
2	CON2	PY	-0.000149	-0.000149	0	0
3	CON3	PY	-0.000149	-0.000149	0	0
4	CR1	PY	-0.00022	-0.00022	0	0
5	CR2	PY	-0.00022	-0.00022	0	0
6	CR3	PY	-0.00022	-0.00022	0	0
7	CR4	PY	-0.00022	-0.00022	0	0
8	CR5	PY	-0.00022	-0.00022	0	0
9	CR6	PY	-0.00022	-0.00022	0	0
10	END1	PY	-0.00022	-0.00022	0	0
11	END2	PY	-0.00022	-0.00022	0	0
12	END3	PY	-0.00022	-0.00022	0	0
13	END4	PY	-0.00022	-0.00022	0	0
14	END5	PY	-0.00022	-0.00022	0	0
15	END6	PY	-0.00022	-0.00022	0	0
16	FACE1	PY	-0.00022	-0.00022	0	0
17	FACE2	PY	-0.00044	-0.00044	0	0
18	FACE3	PY	-0.00044	-0.00044	0	0
19	KICKER1	PY	-0.000449	-0.000449	0	0
20	KICKER2	PY	-0.000449	-0.000449	0	0
21	KICKER3	PY	-0.000449	-0.000449	0	0
22	MP ALPHA1	PY	-0.000511	-0.000511	0	0
23	MP ALPHA2	PY	-0.000511	-0.000511	0	0
24	MP ALPHA3	PY	-0.000511	-0.000511	0	0
25	MP ALPHA4	PY	-0.000511	-0.000511	0	0
26	MP BETA1	PY	-0.000511	-0.000511	0	0
27	MP BETA2	PY	-0.000511	-0.000511	0	0
28	MP BETA3	PY	-0.000511	-0.000511	0	0
29	MP BETA4	PY	-0.000511	-0.000511	0	0
30	MP GAMMA1	PY	-0.000511	-0.000511	0	0



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

Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%]	End Location[ft.%]	
31	MP GAMMA2	PY	-0.00511	-0.00511	0	0
32	MP GAMMA3	PY	-0.00511	-0.00511	0	0
33	MP GAMMA4	PY	-0.00511	-0.00511	0	0
34	RAIL1	PY	-0.00149	-0.00149	0	0
35	RAIL2	PY	-0.00299	-0.00299	0	0
36	RAIL3	PY	-0.00299	-0.00299	0	0
37	SO1	PY	-0.00561	-0.00561	0	0
38	SO2	PY	-0.00561	-0.00561	0	0
39	SO3	PY	-0.00561	-0.00561	0	0
40	SUPP1	PY	-0.00224	-0.00224	0	0
41	SUPP2	PY	-0.00224	-0.00224	0	0
42	SUPP3	PY	-0.00224	-0.00224	0	0
43	SUPP4	PY	-0.00224	-0.00224	0	0
44	SUPP5	PY	-0.00224	-0.00224	0	0
45	SUPP6	PY	-0.00224	-0.00224	0	0
46	CON1	PX	-8.6e-5	-8.6e-5	0	0
47	CON2	PX	-8.6e-5	-8.6e-5	0	0
48	CON3	PX	-8.6e-5	-8.6e-5	0	0
49	CR1	PX	-0.00127	-0.00127	0	0
50	CR2	PX	-0.00127	-0.00127	0	0
51	CR3	PX	-0.00127	-0.00127	0	0
52	CR4	PX	-0.00127	-0.00127	0	0
53	CR5	PX	-0.00127	-0.00127	0	0
54	CR6	PX	-0.00127	-0.00127	0	0
55	END1	PX	-0.00127	-0.00127	0	0
56	END2	PX	-0.00127	-0.00127	0	0
57	END3	PX	-0.00127	-0.00127	0	0
58	END4	PX	-0.00127	-0.00127	0	0
59	END5	PX	-0.00127	-0.00127	0	0
60	END6	PX	-0.00127	-0.00127	0	0
61	FACE1	PX	-0.00127	-0.00127	0	0
62	FACE2	PX	-0.00254	-0.00254	0	0
63	FACE3	PX	-0.00254	-0.00254	0	0
64	KICKER1	PX	-0.00259	-0.00259	0	0
65	KICKER2	PX	-0.00259	-0.00259	0	0
66	KICKER3	PX	-0.00259	-0.00259	0	0
67	MP ALPHA1	PX	-0.00295	-0.00295	0	0
68	MP ALPHA2	PX	-0.00295	-0.00295	0	0
69	MP ALPHA3	PX	-0.00295	-0.00295	0	0
70	MP ALPHA4	PX	-0.00295	-0.00295	0	0
71	MP BETA1	PX	-0.00295	-0.00295	0	0
72	MP BETA2	PX	-0.00295	-0.00295	0	0
73	MP BETA3	PX	-0.00295	-0.00295	0	0
74	MP BETA4	PX	-0.00295	-0.00295	0	0
75	MP GAMMA1	PX	-0.00295	-0.00295	0	0
76	MP GAMMA2	PX	-0.00295	-0.00295	0	0
77	MP GAMMA3	PX	-0.00295	-0.00295	0	0
78	MP GAMMA4	PX	-0.00295	-0.00295	0	0
79	RAIL1	PX	-8.6e-5	-8.6e-5	0	0
80	RAIL2	PX	-0.00172	-0.00172	0	0
81	RAIL3	PX	-0.00172	-0.00172	0	0
82	SO1	PX	-0.00324	-0.00324	0	0
83	SO2	PX	-0.00324	-0.00324	0	0
84	SO3	PX	-0.00324	-0.00324	0	0
85	SUPP1	PX	-0.0013	-0.0013	0	0
86	SUPP2	PX	-0.0013	-0.0013	0	0
87	SUPP3	PX	-0.0013	-0.0013	0	0



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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft.F,...	Start Location[ft, %]	End Location[ft, %]
88	SUPP4	PX	-0.0013	-0.0013	0	0
89	SUPP5	PX	-0.0013	-0.0013	0	0
90	SUPP6	PX	-0.0013	-0.0013	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,...	End Magnitude[k/ft.F,...	Start Location[ft, %]	End Location[ft, %]
1	CON1	PY	-8.6e-5	-8.6e-5	0	0
2	CON2	PY	-8.6e-5	-8.6e-5	0	0
3	CON3	PY	-8.6e-5	-8.6e-5	0	0
4	CR1	PY	-0.00127	-0.00127	0	0
5	CR2	PY	-0.00127	-0.00127	0	0
6	CR3	PY	-0.00127	-0.00127	0	0
7	CR4	PY	-0.00127	-0.00127	0	0
8	CR5	PY	-0.00127	-0.00127	0	0
9	CR6	PY	-0.00127	-0.00127	0	0
10	END1	PY	-0.00127	-0.00127	0	0
11	END2	PY	-0.00127	-0.00127	0	0
12	END3	PY	-0.00127	-0.00127	0	0
13	END4	PY	-0.00127	-0.00127	0	0
14	END5	PY	-0.00127	-0.00127	0	0
15	END6	PY	-0.00127	-0.00127	0	0
16	FACE1	PY	-0.00127	-0.00127	0	0
17	FACE2	PY	-0.00254	-0.00254	0	0
18	FACE3	PY	-0.00254	-0.00254	0	0
19	KICKER1	PY	-0.00259	-0.00259	0	0
20	KICKER2	PY	-0.00259	-0.00259	0	0
21	KICKER3	PY	-0.00259	-0.00259	0	0
22	MP ALPHA1	PY	-0.00295	-0.00295	0	0
23	MP ALPHA2	PY	-0.00295	-0.00295	0	0
24	MP ALPHA3	PY	-0.00295	-0.00295	0	0
25	MP ALPHA4	PY	-0.00295	-0.00295	0	0
26	MP BETA1	PY	-0.00295	-0.00295	0	0
27	MP BETA2	PY	-0.00295	-0.00295	0	0
28	MP BETA3	PY	-0.00295	-0.00295	0	0
29	MP BETA4	PY	-0.00295	-0.00295	0	0
30	MP GAMMA1	PY	-0.00295	-0.00295	0	0
31	MP GAMMA2	PY	-0.00295	-0.00295	0	0
32	MP GAMMA3	PY	-0.00295	-0.00295	0	0
33	MP GAMMA4	PY	-0.00295	-0.00295	0	0
34	RAIL1	PY	-8.6e-5	-8.6e-5	0	0
35	RAIL2	PY	-0.00172	-0.00172	0	0
36	RAIL3	PY	-0.00172	-0.00172	0	0
37	SO1	PY	-0.00324	-0.00324	0	0
38	SO2	PY	-0.00324	-0.00324	0	0
39	SO3	PY	-0.00324	-0.00324	0	0
40	SUPP1	PY	-0.0013	-0.0013	0	0
41	SUPP2	PY	-0.0013	-0.0013	0	0
42	SUPP3	PY	-0.0013	-0.0013	0	0
43	SUPP4	PY	-0.0013	-0.0013	0	0
44	SUPP5	PY	-0.0013	-0.0013	0	0
45	SUPP6	PY	-0.0013	-0.0013	0	0
46	CON1	PX	-0.00149	-0.00149	0	0
47	CON2	PX	-0.00149	-0.00149	0	0
48	CON3	PX	-0.00149	-0.00149	0	0
49	CR1	PX	-0.0022	-0.0022	0	0
50	CR2	PX	-0.0022	-0.0022	0	0



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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%]	End Location[ft.%]
51	CR3	PX	-0.00022	-0.00022	0	0
52	CR4	PX	-0.00022	-0.00022	0	0
53	CR5	PX	-0.00022	-0.00022	0	0
54	CR6	PX	-0.00022	-0.00022	0	0
55	END1	PX	-0.00022	-0.00022	0	0
56	END2	PX	-0.00022	-0.00022	0	0
57	END3	PX	-0.00022	-0.00022	0	0
58	END4	PX	-0.00022	-0.00022	0	0
59	END5	PX	-0.00022	-0.00022	0	0
60	END6	PX	-0.00022	-0.00022	0	0
61	FACE1	PX	-0.00022	-0.00022	0	0
62	FACE2	PX	-0.00044	-0.00044	0	0
63	FACE3	PX	-0.00044	-0.00044	0	0
64	KICKER1	PX	-0.000449	-0.000449	0	0
65	KICKER2	PX	-0.000449	-0.000449	0	0
66	KICKER3	PX	-0.000449	-0.000449	0	0
67	MP ALPHA1	PX	-0.000511	-0.000511	0	0
68	MP ALPHA2	PX	-0.000511	-0.000511	0	0
69	MP ALPHA3	PX	-0.000511	-0.000511	0	0
70	MP ALPHA4	PX	-0.000511	-0.000511	0	0
71	MP BETA1	PX	-0.000511	-0.000511	0	0
72	MP BETA2	PX	-0.000511	-0.000511	0	0
73	MP BETA3	PX	-0.000511	-0.000511	0	0
74	MP BETA4	PX	-0.000511	-0.000511	0	0
75	MP GAMMA1	PX	-0.000511	-0.000511	0	0
76	MP GAMMA2	PX	-0.000511	-0.000511	0	0
77	MP GAMMA3	PX	-0.000511	-0.000511	0	0
78	MP GAMMA4	PX	-0.000511	-0.000511	0	0
79	RAIL1	PX	-0.00149	-0.00149	0	0
80	RAIL2	PX	-0.00299	-0.00299	0	0
81	RAIL3	PX	-0.00299	-0.00299	0	0
82	SO1	PX	-0.000561	-0.000561	0	0
83	SO2	PX	-0.000561	-0.000561	0	0
84	SO3	PX	-0.000561	-0.000561	0	0
85	SUPP1	PX	-0.000224	-0.000224	0	0
86	SUPP2	PX	-0.000224	-0.000224	0	0
87	SUPP3	PX	-0.000224	-0.000224	0	0
88	SUPP4	PX	-0.000224	-0.000224	0	0
89	SUPP5	PX	-0.000224	-0.000224	0	0
90	SUPP6	PX	-0.000224	-0.000224	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%]	End Location[ft.%]
1	CON1	PX	-0.00172	-0.00172	0	0
2	CON2	PX	-0.00172	-0.00172	0	0
3	CON3	PX	-0.00172	-0.00172	0	0
4	CR1	PX	-0.000254	-0.000254	0	0
5	CR2	PX	-0.000254	-0.000254	0	0
6	CR3	PX	-0.000254	-0.000254	0	0
7	CR4	PX	-0.000254	-0.000254	0	0
8	CR5	PX	-0.000254	-0.000254	0	0
9	CR6	PX	-0.000254	-0.000254	0	0
10	END1	PX	-0.000254	-0.000254	0	0
11	END2	PX	-0.000254	-0.000254	0	0
12	END3	PX	-0.000254	-0.000254	0	0
13	END4	PX	-0.000254	-0.000254	0	0



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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%]	End Location[ft.%]
14	END5	PX	-.000254	-.000254	0	0
15	END6	PX	-.000254	-.000254	0	0
16	FACE2	PX	-.000254	-.000254	0	0
17	FACE1	PX	-.000508	-.000508	0	0
18	FACE3	PX	-.000508	-.000508	0	0
19	KICKER1	PX	-.000518	-.000518	0	0
20	KICKER2	PX	-.000518	-.000518	0	0
21	KICKER3	PX	-.000518	-.000518	0	0
22	MP ALPHA1	PX	-.00059	-.00059	0	0
23	MP ALPHA2	PX	-.00059	-.00059	0	0
24	MP ALPHA3	PX	-.00059	-.00059	0	0
25	MP ALPHA4	PX	-.00059	-.00059	0	0
26	MP BETA1	PX	-.00059	-.00059	0	0
27	MP BETA2	PX	-.00059	-.00059	0	0
28	MP BETA3	PX	-.00059	-.00059	0	0
29	MP BETA4	PX	-.00059	-.00059	0	0
30	MP GAMMA1	PX	-.00059	-.00059	0	0
31	MP GAMMA2	PX	-.00059	-.00059	0	0
32	MP GAMMA3	PX	-.00059	-.00059	0	0
33	MP GAMMA4	PX	-.00059	-.00059	0	0
34	RAIL2	PX	-.000172	-.000172	0	0
35	RAIL1	PX	-.000345	-.000345	0	0
36	RAIL3	PX	-.000345	-.000345	0	0
37	SO1	PX	-.000648	-.000648	0	0
38	SO2	PX	-.000648	-.000648	0	0
39	SO3	PX	-.000648	-.000648	0	0
40	SUPP1	PX	-.000259	-.000259	0	0
41	SUPP2	PX	-.000259	-.000259	0	0
42	SUPP3	PX	-.000259	-.000259	0	0
43	SUPP4	PX	-.000259	-.000259	0	0
44	SUPP5	PX	-.000259	-.000259	0	0
45	SUPP6	PX	-.000259	-.000259	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%]	End Location[ft.%]
1	CON1	PY	8.6e-5	8.6e-5	0	0
2	CON2	PY	8.6e-5	8.6e-5	0	0
3	CON3	PY	8.6e-5	8.6e-5	0	0
4	CR1	PY	.000127	.000127	0	0
5	CR2	PY	.000127	.000127	0	0
6	CR3	PY	.000127	.000127	0	0
7	CR4	PY	.000127	.000127	0	0
8	CR5	PY	.000127	.000127	0	0
9	CR6	PY	.000127	.000127	0	0
10	END1	PY	.000127	.000127	0	0
11	END2	PY	.000127	.000127	0	0
12	END3	PY	.000127	.000127	0	0
13	END4	PY	.000127	.000127	0	0
14	END5	PY	.000127	.000127	0	0
15	END6	PY	.000127	.000127	0	0
16	FACE2	PY	.000127	.000127	0	0
17	FACE1	PY	.000254	.000254	0	0
18	FACE3	PY	.000254	.000254	0	0
19	KICKER1	PY	.000259	.000259	0	0
20	KICKER2	PY	.000259	.000259	0	0
21	KICKER3	PY	.000259	.000259	0	0



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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%]	End Location[ft.%]
22	MP ALPHA1	PY	.000295	.000295	0	0
23	MP ALPHA2	PY	.000295	.000295	0	0
24	MP ALPHA3	PY	.000295	.000295	0	0
25	MP ALPHA4	PY	.000295	.000295	0	0
26	MP BETA1	PY	.000295	.000295	0	0
27	MP BETA2	PY	.000295	.000295	0	0
28	MP BETA3	PY	.000295	.000295	0	0
29	MP BETA4	PY	.000295	.000295	0	0
30	MP GAMMA1	PY	.000295	.000295	0	0
31	MP GAMMA2	PY	.000295	.000295	0	0
32	MP GAMMA3	PY	.000295	.000295	0	0
33	MP GAMMA4	PY	.000295	.000295	0	0
34	RAIL2	PY	8.6e-5	8.6e-5	0	0
35	RAIL1	PY	.000172	.000172	0	0
36	RAIL3	PY	.000172	.000172	0	0
37	SO1	PY	.000324	.000324	0	0
38	SO2	PY	.000324	.000324	0	0
39	SO3	PY	.000324	.000324	0	0
40	SUPP1	PY	.00013	.00013	0	0
41	SUPP2	PY	.00013	.00013	0	0
42	SUPP3	PY	.00013	.00013	0	0
43	SUPP4	PY	.00013	.00013	0	0
44	SUPP5	PY	.00013	.00013	0	0
45	SUPP6	PY	.00013	.00013	0	0
46	CON1	PX	-.000149	-.000149	0	0
47	CON2	PX	-.000149	-.000149	0	0
48	CON3	PX	-.000149	-.000149	0	0
49	CR1	PX	-.00022	-.00022	0	0
50	CR2	PX	-.00022	-.00022	0	0
51	CR3	PX	-.00022	-.00022	0	0
52	CR4	PX	-.00022	-.00022	0	0
53	CR5	PX	-.00022	-.00022	0	0
54	CR6	PX	-.00022	-.00022	0	0
55	END1	PX	-.00022	-.00022	0	0
56	END2	PX	-.00022	-.00022	0	0
57	END3	PX	-.00022	-.00022	0	0
58	END4	PX	-.00022	-.00022	0	0
59	END5	PX	-.00022	-.00022	0	0
60	END6	PX	-.00022	-.00022	0	0
61	FACE2	PX	-.00022	-.00022	0	0
62	FACE1	PX	-.00044	-.00044	0	0
63	FACE3	PX	-.00044	-.00044	0	0
64	KICKER1	PX	-.000449	-.000449	0	0
65	KICKER2	PX	-.000449	-.000449	0	0
66	KICKER3	PX	-.000449	-.000449	0	0
67	MP ALPHA1	PX	-.000511	-.000511	0	0
68	MP ALPHA2	PX	-.000511	-.000511	0	0
69	MP ALPHA3	PX	-.000511	-.000511	0	0
70	MP ALPHA4	PX	-.000511	-.000511	0	0
71	MP BETA1	PX	-.000511	-.000511	0	0
72	MP BETA2	PX	-.000511	-.000511	0	0
73	MP BETA3	PX	-.000511	-.000511	0	0
74	MP BETA4	PX	-.000511	-.000511	0	0
75	MP GAMMA1	PX	-.000511	-.000511	0	0
76	MP GAMMA2	PX	-.000511	-.000511	0	0
77	MP GAMMA3	PX	-.000511	-.000511	0	0
78	MP GAMMA4	PX	-.000511	-.000511	0	0



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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%]	End Location[ft.%]
79	RAIL2	PX	-.000149	-.000149	0	0
80	RAIL1	PX	-.000299	-.000299	0	0
81	RAIL3	PX	-.000299	-.000299	0	0
82	SO1	PX	-.000561	-.000561	0	0
83	SO2	PX	-.000561	-.000561	0	0
84	SO3	PX	-.000561	-.000561	0	0
85	SUPP1	PX	-.000224	-.000224	0	0
86	SUPP2	PX	-.000224	-.000224	0	0
87	SUPP3	PX	-.000224	-.000224	0	0
88	SUPP4	PX	-.000224	-.000224	0	0
89	SUPP5	PX	-.000224	-.000224	0	0
90	SUPP6	PX	-.000224	-.000224	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%]	End Location[ft.%]
1	CON1	PY	.000149	.000149	0	0
2	CON2	PY	.000149	.000149	0	0
3	CON3	PY	.000149	.000149	0	0
4	CR1	PY	.00022	.00022	0	0
5	CR2	PY	.00022	.00022	0	0
6	CR3	PY	.00022	.00022	0	0
7	CR4	PY	.00022	.00022	0	0
8	CR5	PY	.00022	.00022	0	0
9	CR6	PY	.00022	.00022	0	0
10	END1	PY	.00022	.00022	0	0
11	END2	PY	.00022	.00022	0	0
12	END3	PY	.00022	.00022	0	0
13	END4	PY	.00022	.00022	0	0
14	END5	PY	.00022	.00022	0	0
15	END6	PY	.00022	.00022	0	0
16	FACE2	PY	.00022	.00022	0	0
17	FACE1	PY	.00044	.00044	0	0
18	FACE3	PY	.00044	.00044	0	0
19	KICKER1	PY	.000449	.000449	0	0
20	KICKER2	PY	.000449	.000449	0	0
21	KICKER3	PY	.000449	.000449	0	0
22	MP ALPHA1	PY	.000511	.000511	0	0
23	MP ALPHA2	PY	.000511	.000511	0	0
24	MP ALPHA3	PY	.000511	.000511	0	0
25	MP ALPHA4	PY	.000511	.000511	0	0
26	MP BETA1	PY	.000511	.000511	0	0
27	MP BETA2	PY	.000511	.000511	0	0
28	MP BETA3	PY	.000511	.000511	0	0
29	MP BETA4	PY	.000511	.000511	0	0
30	MP GAMMA1	PY	.000511	.000511	0	0
31	MP GAMMA2	PY	.000511	.000511	0	0
32	MP GAMMA3	PY	.000511	.000511	0	0
33	MP GAMMA4	PY	.000511	.000511	0	0
34	RAIL2	PY	.000149	.000149	0	0
35	RAIL1	PY	.000299	.000299	0	0
36	RAIL3	PY	.000299	.000299	0	0
37	SO1	PY	.000561	.000561	0	0
38	SO2	PY	.000561	.000561	0	0
39	SO3	PY	.000561	.000561	0	0
40	SUPP1	PY	.000224	.000224	0	0
41	SUPP2	PY	.000224	.000224	0	0



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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%]	End Location[ft.%]
42	SUPP3	PY	.000224	.000224	0	0
43	SUPP4	PY	.000224	.000224	0	0
44	SUPP5	PY	.000224	.000224	0	0
45	SUPP6	PY	.000224	.000224	0	0
46	CON1	PX	-8.6e-5	-8.6e-5	0	0
47	CON2	PX	-8.6e-5	-8.6e-5	0	0
48	CON3	PX	-8.6e-5	-8.6e-5	0	0
49	CR1	PX	-0.00127	-0.00127	0	0
50	CR2	PX	-0.00127	-0.00127	0	0
51	CR3	PX	-0.00127	-0.00127	0	0
52	CR4	PX	-0.00127	-0.00127	0	0
53	CR5	PX	-0.00127	-0.00127	0	0
54	CR6	PX	-0.00127	-0.00127	0	0
55	END1	PX	-0.00127	-0.00127	0	0
56	END2	PX	-0.00127	-0.00127	0	0
57	END3	PX	-0.00127	-0.00127	0	0
58	END4	PX	-0.00127	-0.00127	0	0
59	END5	PX	-0.00127	-0.00127	0	0
60	END6	PX	-0.00127	-0.00127	0	0
61	FACE2	PX	-0.00127	-0.00127	0	0
62	FACE1	PX	-0.00254	-0.00254	0	0
63	FACE3	PX	-0.00254	-0.00254	0	0
64	KICKER1	PX	-0.00259	-0.00259	0	0
65	KICKER2	PX	-0.00259	-0.00259	0	0
66	KICKER3	PX	-0.00259	-0.00259	0	0
67	MP ALPHA1	PX	-0.00295	-0.00295	0	0
68	MP ALPHA2	PX	-0.00295	-0.00295	0	0
69	MP ALPHA3	PX	-0.00295	-0.00295	0	0
70	MP ALPHA4	PX	-0.00295	-0.00295	0	0
71	MP BETA1	PX	-0.00295	-0.00295	0	0
72	MP BETA2	PX	-0.00295	-0.00295	0	0
73	MP BETA3	PX	-0.00295	-0.00295	0	0
74	MP BETA4	PX	-0.00295	-0.00295	0	0
75	MP GAMMA1	PX	-0.00295	-0.00295	0	0
76	MP GAMMA2	PX	-0.00295	-0.00295	0	0
77	MP GAMMA3	PX	-0.00295	-0.00295	0	0
78	MP GAMMA4	PX	-0.00295	-0.00295	0	0
79	RAIL2	PX	-8.6e-5	-8.6e-5	0	0
80	RAIL1	PX	-0.00172	-0.00172	0	0
81	RAIL3	PX	-0.00172	-0.00172	0	0
82	SO1	PX	-0.00324	-0.00324	0	0
83	SO2	PX	-0.00324	-0.00324	0	0
84	SO3	PX	-0.00324	-0.00324	0	0
85	SUPP1	PX	-0.0013	-0.0013	0	0
86	SUPP2	PX	-0.0013	-0.0013	0	0
87	SUPP3	PX	-0.0013	-0.0013	0	0
88	SUPP4	PX	-0.0013	-0.0013	0	0
89	SUPP5	PX	-0.0013	-0.0013	0	0
90	SUPP6	PX	-0.0013	-0.0013	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%]	End Location[ft.%]
1	CON1	PY	.000172	.000172	0	0
2	CON2	PY	.000172	.000172	0	0
3	CON3	PY	.000172	.000172	0	0
4	CR1	PY	.000254	.000254	0	0



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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%,]	End Location[ft.%,]
5	CR2	PY	.000254	.000254	0	0
6	CR3	PY	.000254	.000254	0	0
7	CR4	PY	.000254	.000254	0	0
8	CR5	PY	.000254	.000254	0	0
9	CR6	PY	.000254	.000254	0	0
10	END1	PY	.000254	.000254	0	0
11	END2	PY	.000254	.000254	0	0
12	END3	PY	.000254	.000254	0	0
13	END4	PY	.000254	.000254	0	0
14	END5	PY	.000254	.000254	0	0
15	END6	PY	.000254	.000254	0	0
16	FACE2	PY	.000254	.000254	0	0
17	FACE1	PY	.000508	.000508	0	0
18	FACE3	PY	.000508	.000508	0	0
19	KICKER1	PY	.000518	.000518	0	0
20	KICKER2	PY	.000518	.000518	0	0
21	KICKER3	PY	.000518	.000518	0	0
22	MP ALPHA1	PY	.00059	.00059	0	0
23	MP ALPHA2	PY	.00059	.00059	0	0
24	MP ALPHA3	PY	.00059	.00059	0	0
25	MP ALPHA4	PY	.00059	.00059	0	0
26	MP BETA1	PY	.00059	.00059	0	0
27	MP BETA2	PY	.00059	.00059	0	0
28	MP BETA3	PY	.00059	.00059	0	0
29	MP BETA4	PY	.00059	.00059	0	0
30	MP GAMMA1	PY	.00059	.00059	0	0
31	MP GAMMA2	PY	.00059	.00059	0	0
32	MP GAMMA3	PY	.00059	.00059	0	0
33	MP GAMMA4	PY	.00059	.00059	0	0
34	RAIL2	PY	.000172	.000172	0	0
35	RAIL1	PY	.000345	.000345	0	0
36	RAIL3	PY	.000345	.000345	0	0
37	SO1	PY	.000648	.000648	0	0
38	SO2	PY	.000648	.000648	0	0
39	SO3	PY	.000648	.000648	0	0
40	SUPP1	PY	.000259	.000259	0	0
41	SUPP2	PY	.000259	.000259	0	0
42	SUPP3	PY	.000259	.000259	0	0
43	SUPP4	PY	.000259	.000259	0	0
44	SUPP5	PY	.000259	.000259	0	0
45	SUPP6	PY	.000259	.000259	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%,]	End Location[ft.%,]
1	CON1	PY	.000149	.000149	0	0
2	CON2	PY	.000149	.000149	0	0
3	CON3	PY	.000149	.000149	0	0
4	CR1	PY	.00022	.00022	0	0
5	CR2	PY	.00022	.00022	0	0
6	CR3	PY	.00022	.00022	0	0
7	CR4	PY	.00022	.00022	0	0
8	CR5	PY	.00022	.00022	0	0
9	CR6	PY	.00022	.00022	0	0
10	END1	PY	.00022	.00022	0	0
11	END2	PY	.00022	.00022	0	0
12	END3	PY	.00022	.00022	0	0



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

Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%]	End Location[ft.%]	
13	END4	PY	.00022	.00022	0	0
14	END5	PY	.00022	.00022	0	0
15	END6	PY	.00022	.00022	0	0
16	FACE3	PY	.00022	.00022	0	0
17	FACE2	PY	.00044	.00044	0	0
18	FACE1	PY	.00044	.00044	0	0
19	KICKER1	PY	.000449	.000449	0	0
20	KICKER2	PY	.000449	.000449	0	0
21	KICKER3	PY	.000449	.000449	0	0
22	MP ALPHA1	PY	.000511	.000511	0	0
23	MP ALPHA2	PY	.000511	.000511	0	0
24	MP ALPHA3	PY	.000511	.000511	0	0
25	MP ALPHA4	PY	.000511	.000511	0	0
26	MP BETA1	PY	.000511	.000511	0	0
27	MP BETA2	PY	.000511	.000511	0	0
28	MP BETA3	PY	.000511	.000511	0	0
29	MP BETA4	PY	.000511	.000511	0	0
30	MP GAMMA1	PY	.000511	.000511	0	0
31	MP GAMMA2	PY	.000511	.000511	0	0
32	MP GAMMA3	PY	.000511	.000511	0	0
33	MP GAMMA4	PY	.000511	.000511	0	0
34	RAIL3	PY	.000149	.000149	0	0
35	RAIL2	PY	.000299	.000299	0	0
36	RAIL1	PY	.000299	.000299	0	0
37	SO1	PY	.000561	.000561	0	0
38	SO2	PY	.000561	.000561	0	0
39	SO3	PY	.000561	.000561	0	0
40	SUPP1	PY	.000224	.000224	0	0
41	SUPP2	PY	.000224	.000224	0	0
42	SUPP3	PY	.000224	.000224	0	0
43	SUPP4	PY	.000224	.000224	0	0
44	SUPP5	PY	.000224	.000224	0	0
45	SUPP6	PY	.000224	.000224	0	0
46	CON1	PX	8.6e-5	8.6e-5	0	0
47	CON2	PX	8.6e-5	8.6e-5	0	0
48	CON3	PX	8.6e-5	8.6e-5	0	0
49	CR1	PX	.000127	.000127	0	0
50	CR2	PX	.000127	.000127	0	0
51	CR3	PX	.000127	.000127	0	0
52	CR4	PX	.000127	.000127	0	0
53	CR5	PX	.000127	.000127	0	0
54	CR6	PX	.000127	.000127	0	0
55	END1	PX	.000127	.000127	0	0
56	END2	PX	.000127	.000127	0	0
57	END3	PX	.000127	.000127	0	0
58	END4	PX	.000127	.000127	0	0
59	END5	PX	.000127	.000127	0	0
60	END6	PX	.000127	.000127	0	0
61	FACE3	PX	.000127	.000127	0	0
62	FACE2	PX	.000254	.000254	0	0
63	FACE1	PX	.000254	.000254	0	0
64	KICKER1	PX	.000259	.000259	0	0
65	KICKER2	PX	.000259	.000259	0	0
66	KICKER3	PX	.000259	.000259	0	0
67	MP ALPHA1	PX	.000295	.000295	0	0
68	MP ALPHA2	PX	.000295	.000295	0	0
69	MP ALPHA3	PX	.000295	.000295	0	0



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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%,]	End Location[ft.%,]
70	MP ALPHA4	PX	.000295	.000295	0	0
71	MP BETA1	PX	.000295	.000295	0	0
72	MP BETA2	PX	.000295	.000295	0	0
73	MP BETA3	PX	.000295	.000295	0	0
74	MP BETA4	PX	.000295	.000295	0	0
75	MP GAMMA1	PX	.000295	.000295	0	0
76	MP GAMMA2	PX	.000295	.000295	0	0
77	MP GAMMA3	PX	.000295	.000295	0	0
78	MP GAMMA4	PX	.000295	.000295	0	0
79	RAIL3	PX	8.6e-5	8.6e-5	0	0
80	RAIL2	PX	.000172	.000172	0	0
81	RAIL1	PX	.000172	.000172	0	0
82	SO1	PX	.000324	.000324	0	0
83	SO2	PX	.000324	.000324	0	0
84	SO3	PX	.000324	.000324	0	0
85	SUPP1	PX	.00013	.00013	0	0
86	SUPP2	PX	.00013	.00013	0	0
87	SUPP3	PX	.00013	.00013	0	0
88	SUPP4	PX	.00013	.00013	0	0
89	SUPP5	PX	.00013	.00013	0	0
90	SUPP6	PX	.00013	.00013	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%,]	End Location[ft.%,]
1	CON1	PY	8.6e-5	8.6e-5	0	0
2	CON2	PY	8.6e-5	8.6e-5	0	0
3	CON3	PY	8.6e-5	8.6e-5	0	0
4	CR1	PY	.000127	.000127	0	0
5	CR2	PY	.000127	.000127	0	0
6	CR3	PY	.000127	.000127	0	0
7	CR4	PY	.000127	.000127	0	0
8	CR5	PY	.000127	.000127	0	0
9	CR6	PY	.000127	.000127	0	0
10	END1	PY	.000127	.000127	0	0
11	END2	PY	.000127	.000127	0	0
12	END3	PY	.000127	.000127	0	0
13	END4	PY	.000127	.000127	0	0
14	END5	PY	.000127	.000127	0	0
15	END6	PY	.000127	.000127	0	0
16	FACE3	PY	.000127	.000127	0	0
17	FACE2	PY	.000254	.000254	0	0
18	FACE1	PY	.000254	.000254	0	0
19	KICKER1	PY	.000259	.000259	0	0
20	KICKER2	PY	.000259	.000259	0	0
21	KICKER3	PY	.000259	.000259	0	0
22	MP ALPHA1	PY	.000295	.000295	0	0
23	MP ALPHA2	PY	.000295	.000295	0	0
24	MP ALPHA3	PY	.000295	.000295	0	0
25	MP ALPHA4	PY	.000295	.000295	0	0
26	MP BETA1	PY	.000295	.000295	0	0
27	MP BETA2	PY	.000295	.000295	0	0
28	MP BETA3	PY	.000295	.000295	0	0
29	MP BETA4	PY	.000295	.000295	0	0
30	MP GAMMA1	PY	.000295	.000295	0	0
31	MP GAMMA2	PY	.000295	.000295	0	0
32	MP GAMMA3	PY	.000295	.000295	0	0



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

Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%]	End Location[ft.%]	
33	MP GAMMA4	PY	.000295	.000295	0	0
34	RAIL3	PY	8.6e-5	8.6e-5	0	0
35	RAIL2	PY	.000172	.000172	0	0
36	RAIL1	PY	.000172	.000172	0	0
37	SO1	PY	.000324	.000324	0	0
38	SO2	PY	.000324	.000324	0	0
39	SO3	PY	.000324	.000324	0	0
40	SUPP1	PY	.00013	.00013	0	0
41	SUPP2	PY	.00013	.00013	0	0
42	SUPP3	PY	.00013	.00013	0	0
43	SUPP4	PY	.00013	.00013	0	0
44	SUPP5	PY	.00013	.00013	0	0
45	SUPP6	PY	.00013	.00013	0	0
46	CON1	PX	.000149	.000149	0	0
47	CON2	PX	.000149	.000149	0	0
48	CON3	PX	.000149	.000149	0	0
49	CR1	PX	.00022	.00022	0	0
50	CR2	PX	.00022	.00022	0	0
51	CR3	PX	.00022	.00022	0	0
52	CR4	PX	.00022	.00022	0	0
53	CR5	PX	.00022	.00022	0	0
54	CR6	PX	.00022	.00022	0	0
55	END1	PX	.00022	.00022	0	0
56	END2	PX	.00022	.00022	0	0
57	END3	PX	.00022	.00022	0	0
58	END4	PX	.00022	.00022	0	0
59	END5	PX	.00022	.00022	0	0
60	END6	PX	.00022	.00022	0	0
61	FACE3	PX	.00022	.00022	0	0
62	FACE2	PX	.00044	.00044	0	0
63	FACE1	PX	.00044	.00044	0	0
64	KICKER1	PX	.000449	.000449	0	0
65	KICKER2	PX	.000449	.000449	0	0
66	KICKER3	PX	.000449	.000449	0	0
67	MP ALPHA1	PX	.000511	.000511	0	0
68	MP ALPHA2	PX	.000511	.000511	0	0
69	MP ALPHA3	PX	.000511	.000511	0	0
70	MP ALPHA4	PX	.000511	.000511	0	0
71	MP BETA1	PX	.000511	.000511	0	0
72	MP BETA2	PX	.000511	.000511	0	0
73	MP BETA3	PX	.000511	.000511	0	0
74	MP BETA4	PX	.000511	.000511	0	0
75	MP GAMMA1	PX	.000511	.000511	0	0
76	MP GAMMA2	PX	.000511	.000511	0	0
77	MP GAMMA3	PX	.000511	.000511	0	0
78	MP GAMMA4	PX	.000511	.000511	0	0
79	RAIL3	PX	.000149	.000149	0	0
80	RAIL2	PX	.000299	.000299	0	0
81	RAIL1	PX	.000299	.000299	0	0
82	SO1	PX	.000561	.000561	0	0
83	SO2	PX	.000561	.000561	0	0
84	SO3	PX	.000561	.000561	0	0
85	SUPP1	PX	.000224	.000224	0	0
86	SUPP2	PX	.000224	.000224	0	0
87	SUPP3	PX	.000224	.000224	0	0
88	SUPP4	PX	.000224	.000224	0	0
89	SUPP5	PX	.000224	.000224	0	0



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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%]	End Location[ft.%]
90	SUPP6	PX	.000224	.000224	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%]	End Location[ft.%]
1	CON1	PX	.000172	.000172	0	0
2	CON2	PX	.000172	.000172	0	0
3	CON3	PX	.000172	.000172	0	0
4	CR1	PX	.000254	.000254	0	0
5	CR2	PX	.000254	.000254	0	0
6	CR3	PX	.000254	.000254	0	0
7	CR4	PX	.000254	.000254	0	0
8	CR5	PX	.000254	.000254	0	0
9	CR6	PX	.000254	.000254	0	0
10	END1	PX	.000254	.000254	0	0
11	END2	PX	.000254	.000254	0	0
12	END3	PX	.000254	.000254	0	0
13	END4	PX	.000254	.000254	0	0
14	END5	PX	.000254	.000254	0	0
15	END6	PX	.000254	.000254	0	0
16	FACE3	PX	.000254	.000254	0	0
17	FACE2	PX	.000508	.000508	0	0
18	FACE1	PX	.000508	.000508	0	0
19	KICKER1	PX	.000518	.000518	0	0
20	KICKER2	PX	.000518	.000518	0	0
21	KICKER3	PX	.000518	.000518	0	0
22	MP ALPHA1	PX	.00059	.00059	0	0
23	MP ALPHA2	PX	.00059	.00059	0	0
24	MP ALPHA3	PX	.00059	.00059	0	0
25	MP ALPHA4	PX	.00059	.00059	0	0
26	MP BETA1	PX	.00059	.00059	0	0
27	MP BETA2	PX	.00059	.00059	0	0
28	MP BETA3	PX	.00059	.00059	0	0
29	MP BETA4	PX	.00059	.00059	0	0
30	MP GAMMA1	PX	.00059	.00059	0	0
31	MP GAMMA2	PX	.00059	.00059	0	0
32	MP GAMMA3	PX	.00059	.00059	0	0
33	MP GAMMA4	PX	.00059	.00059	0	0
34	RAIL3	PX	.000172	.000172	0	0
35	RAIL2	PX	.000345	.000345	0	0
36	RAIL1	PX	.000345	.000345	0	0
37	SO1	PX	.000648	.000648	0	0
38	SO2	PX	.000648	.000648	0	0
39	SO3	PX	.000648	.000648	0	0
40	SUPP1	PX	.000259	.000259	0	0
41	SUPP2	PX	.000259	.000259	0	0
42	SUPP3	PX	.000259	.000259	0	0
43	SUPP4	PX	.000259	.000259	0	0
44	SUPP5	PX	.000259	.000259	0	0
45	SUPP6	PX	.000259	.000259	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%]	End Location[ft.%]
1	CON1	PY	-8.6e-5	-8.6e-5	0	0
2	CON2	PY	-8.6e-5	-8.6e-5	0	0
3	CON3	PY	-8.6e-5	-8.6e-5	0	0
4	CR1	PY	-.000127	-.000127	0	0



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

Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%]	End Location[ft.%]	
5	CR2	PY	-.000127	-.000127	0	0
6	CR3	PY	-.000127	-.000127	0	0
7	CR4	PY	-.000127	-.000127	0	0
8	CR5	PY	-.000127	-.000127	0	0
9	CR6	PY	-.000127	-.000127	0	0
10	END1	PY	-.000127	-.000127	0	0
11	END2	PY	-.000127	-.000127	0	0
12	END3	PY	-.000127	-.000127	0	0
13	END4	PY	-.000127	-.000127	0	0
14	END5	PY	-.000127	-.000127	0	0
15	END6	PY	-.000127	-.000127	0	0
16	FACE3	PY	-.000127	-.000127	0	0
17	FACE2	PY	-.000254	-.000254	0	0
18	FACE1	PY	-.000254	-.000254	0	0
19	KICKER1	PY	-.000259	-.000259	0	0
20	KICKER2	PY	-.000259	-.000259	0	0
21	KICKER3	PY	-.000259	-.000259	0	0
22	MP ALPHA1	PY	-.000295	-.000295	0	0
23	MP ALPHA2	PY	-.000295	-.000295	0	0
24	MP ALPHA3	PY	-.000295	-.000295	0	0
25	MP ALPHA4	PY	-.000295	-.000295	0	0
26	MP BETA1	PY	-.000295	-.000295	0	0
27	MP BETA2	PY	-.000295	-.000295	0	0
28	MP BETA3	PY	-.000295	-.000295	0	0
29	MP BETA4	PY	-.000295	-.000295	0	0
30	MP GAMMA1	PY	-.000295	-.000295	0	0
31	MP GAMMA2	PY	-.000295	-.000295	0	0
32	MP GAMMA3	PY	-.000295	-.000295	0	0
33	MP GAMMA4	PY	-.000295	-.000295	0	0
34	RAIL3	PY	-8.6e-5	-8.6e-5	0	0
35	RAIL2	PY	-.000172	-.000172	0	0
36	RAIL1	PY	-.000172	-.000172	0	0
37	SO1	PY	-.000324	-.000324	0	0
38	SO2	PY	-.000324	-.000324	0	0
39	SO3	PY	-.000324	-.000324	0	0
40	SUPP1	PY	-.00013	-.00013	0	0
41	SUPP2	PY	-.00013	-.00013	0	0
42	SUPP3	PY	-.00013	-.00013	0	0
43	SUPP4	PY	-.00013	-.00013	0	0
44	SUPP5	PY	-.00013	-.00013	0	0
45	SUPP6	PY	-.00013	-.00013	0	0
46	CON1	PX	.000149	.000149	0	0
47	CON2	PX	.000149	.000149	0	0
48	CON3	PX	.000149	.000149	0	0
49	CR1	PX	.00022	.00022	0	0
50	CR2	PX	.00022	.00022	0	0
51	CR3	PX	.00022	.00022	0	0
52	CR4	PX	.00022	.00022	0	0
53	CR5	PX	.00022	.00022	0	0
54	CR6	PX	.00022	.00022	0	0
55	END1	PX	.00022	.00022	0	0
56	END2	PX	.00022	.00022	0	0
57	END3	PX	.00022	.00022	0	0
58	END4	PX	.00022	.00022	0	0
59	END5	PX	.00022	.00022	0	0
60	END6	PX	.00022	.00022	0	0
61	FACE3	PX	.00022	.00022	0	0



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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%]	End Location[ft.%]
62	FACE2	PX	.00044	.00044	0	0
63	FACE1	PX	.00044	.00044	0	0
64	KICKER1	PX	.000449	.000449	0	0
65	KICKER2	PX	.000449	.000449	0	0
66	KICKER3	PX	.000449	.000449	0	0
67	MP ALPHA1	PX	.000511	.000511	0	0
68	MP ALPHA2	PX	.000511	.000511	0	0
69	MP ALPHA3	PX	.000511	.000511	0	0
70	MP ALPHA4	PX	.000511	.000511	0	0
71	MP BETA1	PX	.000511	.000511	0	0
72	MP BETA2	PX	.000511	.000511	0	0
73	MP BETA3	PX	.000511	.000511	0	0
74	MP BETA4	PX	.000511	.000511	0	0
75	MP GAMMA1	PX	.000511	.000511	0	0
76	MP GAMMA2	PX	.000511	.000511	0	0
77	MP GAMMA3	PX	.000511	.000511	0	0
78	MP GAMMA4	PX	.000511	.000511	0	0
79	RAIL3	PX	.000149	.000149	0	0
80	RAIL2	PX	.000299	.000299	0	0
81	RAIL1	PX	.000299	.000299	0	0
82	SO1	PX	.000561	.000561	0	0
83	SO2	PX	.000561	.000561	0	0
84	SO3	PX	.000561	.000561	0	0
85	SUPP1	PX	.000224	.000224	0	0
86	SUPP2	PX	.000224	.000224	0	0
87	SUPP3	PX	.000224	.000224	0	0
88	SUPP4	PX	.000224	.000224	0	0
89	SUPP5	PX	.000224	.000224	0	0
90	SUPP6	PX	.000224	.000224	0	0

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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%]	End Location[ft.%]
1	CON1	PY	-.000149	-.000149	0	0
2	CON2	PY	-.000149	-.000149	0	0
3	CON3	PY	-.000149	-.000149	0	0
4	CR1	PY	-.00022	-.00022	0	0
5	CR2	PY	-.00022	-.00022	0	0
6	CR3	PY	-.00022	-.00022	0	0
7	CR4	PY	-.00022	-.00022	0	0
8	CR5	PY	-.00022	-.00022	0	0
9	CR6	PY	-.00022	-.00022	0	0
10	END1	PY	-.00022	-.00022	0	0
11	END2	PY	-.00022	-.00022	0	0
12	END3	PY	-.00022	-.00022	0	0
13	END4	PY	-.00022	-.00022	0	0
14	END5	PY	-.00022	-.00022	0	0
15	END6	PY	-.00022	-.00022	0	0
16	FACE1	PY	-.00022	-.00022	0	0
17	FACE2	PY	-.00044	-.00044	0	0
18	FACE3	PY	-.00044	-.00044	0	0
19	KICKER1	PY	-.000449	-.000449	0	0
20	KICKER2	PY	-.000449	-.000449	0	0
21	KICKER3	PY	-.000449	-.000449	0	0
22	MP ALPHA1	PY	-.000511	-.000511	0	0
23	MP ALPHA2	PY	-.000511	-.000511	0	0
24	MP ALPHA3	PY	-.000511	-.000511	0	0



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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%]	End Location[ft.%]
25	MP ALPHA4	PY	-.000511	-.000511	0	0
26	MP BETA1	PY	-.000511	-.000511	0	0
27	MP BETA2	PY	-.000511	-.000511	0	0
28	MP BETA3	PY	-.000511	-.000511	0	0
29	MP BETA4	PY	-.000511	-.000511	0	0
30	MP GAMMA1	PY	-.000511	-.000511	0	0
31	MP GAMMA2	PY	-.000511	-.000511	0	0
32	MP GAMMA3	PY	-.000511	-.000511	0	0
33	MP GAMMA4	PY	-.000511	-.000511	0	0
34	RAIL1	PY	-.000149	-.000149	0	0
35	RAIL2	PY	-.000299	-.000299	0	0
36	RAIL3	PY	-.000299	-.000299	0	0
37	SO1	PY	-.000561	-.000561	0	0
38	SO2	PY	-.000561	-.000561	0	0
39	SO3	PY	-.000561	-.000561	0	0
40	SUPP1	PY	-.000224	-.000224	0	0
41	SUPP2	PY	-.000224	-.000224	0	0
42	SUPP3	PY	-.000224	-.000224	0	0
43	SUPP4	PY	-.000224	-.000224	0	0
44	SUPP5	PY	-.000224	-.000224	0	0
45	SUPP6	PY	-.000224	-.000224	0	0
46	CON1	PX	8.6e-5	8.6e-5	0	0
47	CON2	PX	8.6e-5	8.6e-5	0	0
48	CON3	PX	8.6e-5	8.6e-5	0	0
49	CR1	PX	.000127	.000127	0	0
50	CR2	PX	.000127	.000127	0	0
51	CR3	PX	.000127	.000127	0	0
52	CR4	PX	.000127	.000127	0	0
53	CR5	PX	.000127	.000127	0	0
54	CR6	PX	.000127	.000127	0	0
55	END1	PX	.000127	.000127	0	0
56	END2	PX	.000127	.000127	0	0
57	END3	PX	.000127	.000127	0	0
58	END4	PX	.000127	.000127	0	0
59	END5	PX	.000127	.000127	0	0
60	END6	PX	.000127	.000127	0	0
61	FACE1	PX	.000127	.000127	0	0
62	FACE2	PX	.000254	.000254	0	0
63	FACE3	PX	.000254	.000254	0	0
64	KICKER1	PX	.000259	.000259	0	0
65	KICKER2	PX	.000259	.000259	0	0
66	KICKER3	PX	.000259	.000259	0	0
67	MP ALPHA1	PX	.000295	.000295	0	0
68	MP ALPHA2	PX	.000295	.000295	0	0
69	MP ALPHA3	PX	.000295	.000295	0	0
70	MP ALPHA4	PX	.000295	.000295	0	0
71	MP BETA1	PX	.000295	.000295	0	0
72	MP BETA2	PX	.000295	.000295	0	0
73	MP BETA3	PX	.000295	.000295	0	0
74	MP BETA4	PX	.000295	.000295	0	0
75	MP GAMMA1	PX	.000295	.000295	0	0
76	MP GAMMA2	PX	.000295	.000295	0	0
77	MP GAMMA3	PX	.000295	.000295	0	0
78	MP GAMMA4	PX	.000295	.000295	0	0
79	RAIL1	PX	8.6e-5	8.6e-5	0	0
80	RAIL2	PX	.000172	.000172	0	0
81	RAIL3	PX	.000172	.000172	0	0



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

	Member Label	Direction	Start Magnitude[k/ft....	End Magnitude[k/ft.F....	Start Location[ft.%]	End Location[ft.%]
82	SO1	PX	.000324	.000324	0	0
83	SO2	PX	.000324	.000324	0	0
84	SO3	PX	.000324	.000324	0	0
85	SUPP1	PX	.00013	.00013	0	0
86	SUPP2	PX	.00013	.00013	0	0
87	SUPP3	PX	.00013	.00013	0	0
88	SUPP4	PX	.00013	.00013	0	0
89	SUPP5	PX	.00013	.00013	0	0
90	SUPP6	PX	.00013	.00013	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	CON1	Z	-.005	-.005	0	0
2	CON2	Z	-.005	-.005	0	0
3	CON3	Z	-.005	-.005	0	0
4	CR1	Z	-.006	-.006	0	0
5	CR2	Z	-.006	-.006	0	0
6	CR3	Z	-.006	-.006	0	0
7	CR4	Z	-.006	-.006	0	0
8	CR5	Z	-.006	-.006	0	0
9	CR6	Z	-.006	-.006	0	0
10	END1	Z	-.006	-.006	0	0
11	END2	Z	-.006	-.006	0	0
12	END3	Z	-.006	-.006	0	0
13	END4	Z	-.006	-.006	0	0
14	END5	Z	-.006	-.006	0	0
15	END6	Z	-.006	-.006	0	0
16	FACE1	Z	-.006	-.006	0	0
17	FACE2	Z	-.006	-.006	0	0
18	FACE3	Z	-.006	-.006	0	0
19	KICKER1	Z	-.01	-.01	0	0
20	KICKER2	Z	-.01	-.01	0	0
21	KICKER3	Z	-.01	-.01	0	0
22	MP ALPHA1	Z	-.005	-.005	0	0
23	MP ALPHA2	Z	-.005	-.005	0	0
24	MP ALPHA3	Z	-.005	-.005	0	0
25	MP ALPHA4	Z	-.005	-.005	0	0
26	MP BETA1	Z	-.005	-.005	0	0
27	MP BETA2	Z	-.005	-.005	0	0
28	MP BETA3	Z	-.005	-.005	0	0
29	MP BETA4	Z	-.005	-.005	0	0
30	MP GAMMA1	Z	-.005	-.005	0	0
31	MP GAMMA2	Z	-.005	-.005	0	0
32	MP GAMMA3	Z	-.005	-.005	0	0
33	MP GAMMA4	Z	-.005	-.005	0	0
34	RAIL1	Z	-.005	-.005	0	0
35	RAIL2	Z	-.005	-.005	0	0
36	RAIL3	Z	-.005	-.005	0	0
37	SO1	Z	-.009	-.009	0	0
38	SO2	Z	-.009	-.009	0	0
39	SO3	Z	-.009	-.009	0	0
40	SUPP1	Z	-.004	-.004	0	0
41	SUPP2	Z	-.004	-.004	0	0
42	SUPP3	Z	-.004	-.004	0	0
43	SUPP4	Z	-.004	-.004	0	0
44	SUPP5	Z	-.004	-.004	0	0



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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.%]
45	SUPP6	Z	-0.004	-0.004	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	CON1	PY	-0.001	-0.001	0	0
2	CON2	PY	-0.001	-0.001	0	0
3	CON3	PY	-0.001	-0.001	0	0
4	CR1	PY	-0.001	-0.001	0	0
5	CR2	PY	-0.001	-0.001	0	0
6	CR3	PY	-0.001	-0.001	0	0
7	CR4	PY	-0.001	-0.001	0	0
8	CR5	PY	-0.001	-0.001	0	0
9	CR6	PY	-0.001	-0.001	0	0
10	END1	PY	-0.001	-0.001	0	0
11	END2	PY	-0.001	-0.001	0	0
12	END3	PY	-0.001	-0.001	0	0
13	END4	PY	-0.001	-0.001	0	0
14	END5	PY	-0.001	-0.001	0	0
15	END6	PY	-0.001	-0.001	0	0
16	FACE1	PY	-0.001	-0.001	0	0
17	FACE2	PY	-0.003	-0.003	0	0
18	FACE3	PY	-0.003	-0.003	0	0
19	KICKER1	PY	-0.002	-0.002	0	0
20	KICKER2	PY	-0.002	-0.002	0	0
21	KICKER3	PY	-0.002	-0.002	0	0
22	MP ALPHA1	PY	-0.003	-0.003	0	0
23	MP ALPHA2	PY	-0.003	-0.003	0	0
24	MP ALPHA3	PY	-0.003	-0.003	0	0
25	MP ALPHA4	PY	-0.003	-0.003	0	0
26	MP BETA1	PY	-0.003	-0.003	0	0
27	MP BETA2	PY	-0.003	-0.003	0	0
28	MP BETA3	PY	-0.003	-0.003	0	0
29	MP BETA4	PY	-0.003	-0.003	0	0
30	MP GAMMA1	PY	-0.003	-0.003	0	0
31	MP GAMMA2	PY	-0.003	-0.003	0	0
32	MP GAMMA3	PY	-0.003	-0.003	0	0
33	MP GAMMA4	PY	-0.003	-0.003	0	0
34	RAIL1	PY	-0.001	-0.001	0	0
35	RAIL2	PY	-0.002	-0.002	0	0
36	RAIL3	PY	-0.002	-0.002	0	0
37	SO1	PY	-0.002	-0.002	0	0
38	SO2	PY	-0.002	-0.002	0	0
39	SO3	PY	-0.002	-0.002	0	0
40	SUPP1	PY	-0.001	-0.001	0	0
41	SUPP2	PY	-0.001	-0.001	0	0
42	SUPP3	PY	-0.001	-0.001	0	0
43	SUPP4	PY	-0.001	-0.001	0	0
44	SUPP5	PY	-0.001	-0.001	0	0
45	SUPP6	PY	-0.001	-0.001	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	CON1	PY	-0.000881	-0.000881	0	0
2	CON2	PY	-0.000881	-0.000881	0	0
3	CON3	PY	-0.000881	-0.000881	0	0
4	CR1	PY	-0.001	-0.001	0	0



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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.%]	
5	CR2	PY	-0.001	-0.001	0	0
6	CR3	PY	-0.001	-0.001	0	0
7	CR4	PY	-0.001	-0.001	0	0
8	CR5	PY	-0.001	-0.001	0	0
9	CR6	PY	-0.001	-0.001	0	0
10	END1	PY	-0.001	-0.001	0	0
11	END2	PY	-0.001	-0.001	0	0
12	END3	PY	-0.001	-0.001	0	0
13	END4	PY	-0.001	-0.001	0	0
14	END5	PY	-0.001	-0.001	0	0
15	END6	PY	-0.001	-0.001	0	0
16	FACE1	PY	-0.001	-0.001	0	0
17	FACE2	PY	-0.002	-0.002	0	0
18	FACE3	PY	-0.002	-0.002	0	0
19	KICKER1	PY	-0.002	-0.002	0	0
20	KICKER2	PY	-0.002	-0.002	0	0
21	KICKER3	PY	-0.002	-0.002	0	0
22	MP ALPHA1	PY	-0.003	-0.003	0	0
23	MP ALPHA2	PY	-0.003	-0.003	0	0
24	MP ALPHA3	PY	-0.003	-0.003	0	0
25	MP ALPHA4	PY	-0.003	-0.003	0	0
26	MP BETA1	PY	-0.003	-0.003	0	0
27	MP BETA2	PY	-0.003	-0.003	0	0
28	MP BETA3	PY	-0.003	-0.003	0	0
29	MP BETA4	PY	-0.003	-0.003	0	0
30	MP GAMMA1	PY	-0.003	-0.003	0	0
31	MP GAMMA2	PY	-0.003	-0.003	0	0
32	MP GAMMA3	PY	-0.003	-0.003	0	0
33	MP GAMMA4	PY	-0.003	-0.003	0	0
34	RAIL1	PY	-0.000881	-0.000881	0	0
35	RAIL2	PY	-0.002	-0.002	0	0
36	RAIL3	PY	-0.002	-0.002	0	0
37	SO1	PY	-0.001	-0.001	0	0
38	SO2	PY	-0.001	-0.001	0	0
39	SO3	PY	-0.001	-0.001	0	0
40	SUPP1	PY	-0.001	-0.001	0	0
41	SUPP2	PY	-0.001	-0.001	0	0
42	SUPP3	PY	-0.001	-0.001	0	0
43	SUPP4	PY	-0.001	-0.001	0	0
44	SUPP5	PY	-0.001	-0.001	0	0
45	SUPP6	PY	-0.001	-0.001	0	0
46	CON1	PX	-0.000509	-0.000509	0	0
47	CON2	PX	-0.000509	-0.000509	0	0
48	CON3	PX	-0.000509	-0.000509	0	0
49	CR1	PX	-0.000633	-0.000633	0	0
50	CR2	PX	-0.000633	-0.000633	0	0
51	CR3	PX	-0.000633	-0.000633	0	0
52	CR4	PX	-0.000633	-0.000633	0	0
53	CR5	PX	-0.000633	-0.000633	0	0
54	CR6	PX	-0.000633	-0.000633	0	0
55	END1	PX	-0.000633	-0.000633	0	0
56	END2	PX	-0.000633	-0.000633	0	0
57	END3	PX	-0.000633	-0.000633	0	0
58	END4	PX	-0.000633	-0.000633	0	0
59	END5	PX	-0.000633	-0.000633	0	0
60	END6	PX	-0.000633	-0.000633	0	0
61	FACE1	PX	-0.000633	-0.000633	0	0



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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.%]	
62	FACE2	PX	-0.001	-0.001	0	0
63	FACE3	PX	-0.001	-0.001	0	0
64	KICKER1	PX	-0.000871	-0.000871	0	0
65	KICKER2	PX	-0.000871	-0.000871	0	0
66	KICKER3	PX	-0.000871	-0.000871	0	0
67	MP ALPHA1	PX	-0.002	-0.002	0	0
68	MP ALPHA2	PX	-0.002	-0.002	0	0
69	MP ALPHA3	PX	-0.002	-0.002	0	0
70	MP ALPHA4	PX	-0.002	-0.002	0	0
71	MP BETA1	PX	-0.002	-0.002	0	0
72	MP BETA2	PX	-0.002	-0.002	0	0
73	MP BETA3	PX	-0.002	-0.002	0	0
74	MP BETA4	PX	-0.002	-0.002	0	0
75	MP GAMMA1	PX	-0.002	-0.002	0	0
76	MP GAMMA2	PX	-0.002	-0.002	0	0
77	MP GAMMA3	PX	-0.002	-0.002	0	0
78	MP GAMMA4	PX	-0.002	-0.002	0	0
79	RAIL1	PX	-0.000509	-0.000509	0	0
80	RAIL2	PX	-0.001	-0.001	0	0
81	RAIL3	PX	-0.001	-0.001	0	0
82	SO1	PX	-0.000832	-0.000832	0	0
83	SO2	PX	-0.000832	-0.000832	0	0
84	SO3	PX	-0.000832	-0.000832	0	0
85	SUPP1	PX	-0.000641	-0.000641	0	0
86	SUPP2	PX	-0.000641	-0.000641	0	0
87	SUPP3	PX	-0.000641	-0.000641	0	0
88	SUPP4	PX	-0.000641	-0.000641	0	0
89	SUPP5	PX	-0.000641	-0.000641	0	0
90	SUPP6	PX	-0.000641	-0.000641	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	CON1	PY	-0.000509	-0.000509	0	0
2	CON2	PY	-0.000509	-0.000509	0	0
3	CON3	PY	-0.000509	-0.000509	0	0
4	CR1	PY	-0.000633	-0.000633	0	0
5	CR2	PY	-0.000633	-0.000633	0	0
6	CR3	PY	-0.000633	-0.000633	0	0
7	CR4	PY	-0.000633	-0.000633	0	0
8	CR5	PY	-0.000633	-0.000633	0	0
9	CR6	PY	-0.000633	-0.000633	0	0
10	END1	PY	-0.000633	-0.000633	0	0
11	END2	PY	-0.000633	-0.000633	0	0
12	END3	PY	-0.000633	-0.000633	0	0
13	END4	PY	-0.000633	-0.000633	0	0
14	END5	PY	-0.000633	-0.000633	0	0
15	END6	PY	-0.000633	-0.000633	0	0
16	FACE1	PY	-0.000633	-0.000633	0	0
17	FACE2	PY	-0.001	-0.001	0	0
18	FACE3	PY	-0.001	-0.001	0	0
19	KICKER1	PY	-0.000871	-0.000871	0	0
20	KICKER2	PY	-0.000871	-0.000871	0	0
21	KICKER3	PY	-0.000871	-0.000871	0	0
22	MP ALPHA1	PY	-0.002	-0.002	0	0
23	MP ALPHA2	PY	-0.002	-0.002	0	0
24	MP ALPHA3	PY	-0.002	-0.002	0	0



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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.%]
25	MP ALPHA4	PY	-0.002	-0.002	0	0
26	MP BETA1	PY	-0.002	-0.002	0	0
27	MP BETA2	PY	-0.002	-0.002	0	0
28	MP BETA3	PY	-0.002	-0.002	0	0
29	MP BETA4	PY	-0.002	-0.002	0	0
30	MP GAMMA1	PY	-0.002	-0.002	0	0
31	MP GAMMA2	PY	-0.002	-0.002	0	0
32	MP GAMMA3	PY	-0.002	-0.002	0	0
33	MP GAMMA4	PY	-0.002	-0.002	0	0
34	RAIL1	PY	-0.00509	-0.00509	0	0
35	RAIL2	PY	-0.001	-0.001	0	0
36	RAIL3	PY	-0.001	-0.001	0	0
37	SO1	PY	-0.000832	-0.000832	0	0
38	SO2	PY	-0.000832	-0.000832	0	0
39	SO3	PY	-0.000832	-0.000832	0	0
40	SUPP1	PY	-0.000641	-0.000641	0	0
41	SUPP2	PY	-0.000641	-0.000641	0	0
42	SUPP3	PY	-0.000641	-0.000641	0	0
43	SUPP4	PY	-0.000641	-0.000641	0	0
44	SUPP5	PY	-0.000641	-0.000641	0	0
45	SUPP6	PY	-0.000641	-0.000641	0	0
46	CON1	PX	-0.000881	-0.000881	0	0
47	CON2	PX	-0.000881	-0.000881	0	0
48	CON3	PX	-0.000881	-0.000881	0	0
49	CR1	PX	-0.001	-0.001	0	0
50	CR2	PX	-0.001	-0.001	0	0
51	CR3	PX	-0.001	-0.001	0	0
52	CR4	PX	-0.001	-0.001	0	0
53	CR5	PX	-0.001	-0.001	0	0
54	CR6	PX	-0.001	-0.001	0	0
55	END1	PX	-0.001	-0.001	0	0
56	END2	PX	-0.001	-0.001	0	0
57	END3	PX	-0.001	-0.001	0	0
58	END4	PX	-0.001	-0.001	0	0
59	END5	PX	-0.001	-0.001	0	0
60	END6	PX	-0.001	-0.001	0	0
61	FACE1	PX	-0.001	-0.001	0	0
62	FACE2	PX	-0.002	-0.002	0	0
63	FACE3	PX	-0.002	-0.002	0	0
64	KICKER1	PX	-0.002	-0.002	0	0
65	KICKER2	PX	-0.002	-0.002	0	0
66	KICKER3	PX	-0.002	-0.002	0	0
67	MP ALPHA1	PX	-0.003	-0.003	0	0
68	MP ALPHA2	PX	-0.003	-0.003	0	0
69	MP ALPHA3	PX	-0.003	-0.003	0	0
70	MP ALPHA4	PX	-0.003	-0.003	0	0
71	MP BETA1	PX	-0.003	-0.003	0	0
72	MP BETA2	PX	-0.003	-0.003	0	0
73	MP BETA3	PX	-0.003	-0.003	0	0
74	MP BETA4	PX	-0.003	-0.003	0	0
75	MP GAMMA1	PX	-0.003	-0.003	0	0
76	MP GAMMA2	PX	-0.003	-0.003	0	0
77	MP GAMMA3	PX	-0.003	-0.003	0	0
78	MP GAMMA4	PX	-0.003	-0.003	0	0
79	RAIL1	PX	-0.000881	-0.000881	0	0
80	RAIL2	PX	-0.002	-0.002	0	0
81	RAIL3	PX	-0.002	-0.002	0	0



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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.%]
82	SO1	PX	-0.001	-0.001	0	0
83	SO2	PX	-0.001	-0.001	0	0
84	SO3	PX	-0.001	-0.001	0	0
85	SUPP1	PX	-0.001	-0.001	0	0
86	SUPP2	PX	-0.001	-0.001	0	0
87	SUPP3	PX	-0.001	-0.001	0	0
88	SUPP4	PX	-0.001	-0.001	0	0
89	SUPP5	PX	-0.001	-0.001	0	0
90	SUPP6	PX	-0.001	-0.001	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	CON1	PX	-0.001	-0.001	0	0
2	CON2	PX	-0.001	-0.001	0	0
3	CON3	PX	-0.001	-0.001	0	0
4	CR1	PX	-0.001	-0.001	0	0
5	CR2	PX	-0.001	-0.001	0	0
6	CR3	PX	-0.001	-0.001	0	0
7	CR4	PX	-0.001	-0.001	0	0
8	CR5	PX	-0.001	-0.001	0	0
9	CR6	PX	-0.001	-0.001	0	0
10	END1	PX	-0.001	-0.001	0	0
11	END2	PX	-0.001	-0.001	0	0
12	END3	PX	-0.001	-0.001	0	0
13	END4	PX	-0.001	-0.001	0	0
14	END5	PX	-0.001	-0.001	0	0
15	END6	PX	-0.001	-0.001	0	0
16	FACE2	PX	-0.001	-0.001	0	0
17	FACE1	PX	-0.003	-0.003	0	0
18	FACE3	PX	-0.003	-0.003	0	0
19	KICKER1	PX	-0.002	-0.002	0	0
20	KICKER2	PX	-0.002	-0.002	0	0
21	KICKER3	PX	-0.002	-0.002	0	0
22	MP ALPHA1	PX	-0.003	-0.003	0	0
23	MP ALPHA2	PX	-0.003	-0.003	0	0
24	MP ALPHA3	PX	-0.003	-0.003	0	0
25	MP ALPHA4	PX	-0.003	-0.003	0	0
26	MP BETA1	PX	-0.003	-0.003	0	0
27	MP BETA2	PX	-0.003	-0.003	0	0
28	MP BETA3	PX	-0.003	-0.003	0	0
29	MP BETA4	PX	-0.003	-0.003	0	0
30	MP GAMMA1	PX	-0.003	-0.003	0	0
31	MP GAMMA2	PX	-0.003	-0.003	0	0
32	MP GAMMA3	PX	-0.003	-0.003	0	0
33	MP GAMMA4	PX	-0.003	-0.003	0	0
34	RAIL2	PX	-0.001	-0.001	0	0
35	RAIL1	PX	-0.002	-0.002	0	0
36	RAIL3	PX	-0.002	-0.002	0	0
37	SO1	PX	-0.002	-0.002	0	0
38	SO2	PX	-0.002	-0.002	0	0
39	SO3	PX	-0.002	-0.002	0	0
40	SUPP1	PX	-0.001	-0.001	0	0
41	SUPP2	PX	-0.001	-0.001	0	0
42	SUPP3	PX	-0.001	-0.001	0	0
43	SUPP4	PX	-0.001	-0.001	0	0
44	SUPP5	PX	-0.001	-0.001	0	0



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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.%]
45	SUPP6	PX	-0.001	-0.001	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	CON1	PY	.000509	.000509	0	0
2	CON2	PY	.000509	.000509	0	0
3	CON3	PY	.000509	.000509	0	0
4	CR1	PY	.000633	.000633	0	0
5	CR2	PY	.000633	.000633	0	0
6	CR3	PY	.000633	.000633	0	0
7	CR4	PY	.000633	.000633	0	0
8	CR5	PY	.000633	.000633	0	0
9	CR6	PY	.000633	.000633	0	0
10	END1	PY	.000633	.000633	0	0
11	END2	PY	.000633	.000633	0	0
12	END3	PY	.000633	.000633	0	0
13	END4	PY	.000633	.000633	0	0
14	END5	PY	.000633	.000633	0	0
15	END6	PY	.000633	.000633	0	0
16	FACE2	PY	.000633	.000633	0	0
17	FACE1	PY	.001	.001	0	0
18	FACE3	PY	.001	.001	0	0
19	KICKER1	PY	.000871	.000871	0	0
20	KICKER2	PY	.000871	.000871	0	0
21	KICKER3	PY	.000871	.000871	0	0
22	MP ALPHA1	PY	.002	.002	0	0
23	MP ALPHA2	PY	.002	.002	0	0
24	MP ALPHA3	PY	.002	.002	0	0
25	MP ALPHA4	PY	.002	.002	0	0
26	MP BETA1	PY	.002	.002	0	0
27	MP BETA2	PY	.002	.002	0	0
28	MP BETA3	PY	.002	.002	0	0
29	MP BETA4	PY	.002	.002	0	0
30	MP GAMMA1	PY	.002	.002	0	0
31	MP GAMMA2	PY	.002	.002	0	0
32	MP GAMMA3	PY	.002	.002	0	0
33	MP GAMMA4	PY	.002	.002	0	0
34	RAIL2	PY	.000509	.000509	0	0
35	RAIL1	PY	.001	.001	0	0
36	RAIL3	PY	.001	.001	0	0
37	SO1	PY	.000832	.000832	0	0
38	SO2	PY	.000832	.000832	0	0
39	SO3	PY	.000832	.000832	0	0
40	SUPP1	PY	.000641	.000641	0	0
41	SUPP2	PY	.000641	.000641	0	0
42	SUPP3	PY	.000641	.000641	0	0
43	SUPP4	PY	.000641	.000641	0	0
44	SUPP5	PY	.000641	.000641	0	0
45	SUPP6	PY	.000641	.000641	0	0
46	CON1	PX	-0.000881	-0.000881	0	0
47	CON2	PX	-0.000881	-0.000881	0	0
48	CON3	PX	-0.000881	-0.000881	0	0
49	CR1	PX	-0.001	-0.001	0	0
50	CR2	PX	-0.001	-0.001	0	0
51	CR3	PX	-0.001	-0.001	0	0
52	CR4	PX	-0.001	-0.001	0	0



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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.%]
53	CR5	PX	-0.001	-0.001	0	0
54	CR6	PX	-0.001	-0.001	0	0
55	END1	PX	-0.001	-0.001	0	0
56	END2	PX	-0.001	-0.001	0	0
57	END3	PX	-0.001	-0.001	0	0
58	END4	PX	-0.001	-0.001	0	0
59	END5	PX	-0.001	-0.001	0	0
60	END6	PX	-0.001	-0.001	0	0
61	FACE2	PX	-0.001	-0.001	0	0
62	FACE1	PX	-0.002	-0.002	0	0
63	FACE3	PX	-0.002	-0.002	0	0
64	KICKER1	PX	-0.002	-0.002	0	0
65	KICKER2	PX	-0.002	-0.002	0	0
66	KICKER3	PX	-0.002	-0.002	0	0
67	MP ALPHA1	PX	-0.003	-0.003	0	0
68	MP ALPHA2	PX	-0.003	-0.003	0	0
69	MP ALPHA3	PX	-0.003	-0.003	0	0
70	MP ALPHA4	PX	-0.003	-0.003	0	0
71	MP BETA1	PX	-0.003	-0.003	0	0
72	MP BETA2	PX	-0.003	-0.003	0	0
73	MP BETA3	PX	-0.003	-0.003	0	0
74	MP BETA4	PX	-0.003	-0.003	0	0
75	MP GAMMA1	PX	-0.003	-0.003	0	0
76	MP GAMMA2	PX	-0.003	-0.003	0	0
77	MP GAMMA3	PX	-0.003	-0.003	0	0
78	MP GAMMA4	PX	-0.003	-0.003	0	0
79	RAIL2	PX	-0.000881	-0.000881	0	0
80	RAIL1	PX	-0.002	-0.002	0	0
81	RAIL3	PX	-0.002	-0.002	0	0
82	SO1	PX	-0.001	-0.001	0	0
83	SO2	PX	-0.001	-0.001	0	0
84	SO3	PX	-0.001	-0.001	0	0
85	SUPP1	PX	-0.001	-0.001	0	0
86	SUPP2	PX	-0.001	-0.001	0	0
87	SUPP3	PX	-0.001	-0.001	0	0
88	SUPP4	PX	-0.001	-0.001	0	0
89	SUPP5	PX	-0.001	-0.001	0	0
90	SUPP6	PX	-0.001	-0.001	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	CON1	PY	.000881	.000881	0	0
2	CON2	PY	.000881	.000881	0	0
3	CON3	PY	.000881	.000881	0	0
4	CR1	PY	.001	.001	0	0
5	CR2	PY	.001	.001	0	0
6	CR3	PY	.001	.001	0	0
7	CR4	PY	.001	.001	0	0
8	CR5	PY	.001	.001	0	0
9	CR6	PY	.001	.001	0	0
10	END1	PY	.001	.001	0	0
11	END2	PY	.001	.001	0	0
12	END3	PY	.001	.001	0	0
13	END4	PY	.001	.001	0	0
14	END5	PY	.001	.001	0	0
15	END6	PY	.001	.001	0	0



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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.%]	
16	FACE2	PY	.001	.001	0	0
17	FACE1	PY	.002	.002	0	0
18	FACE3	PY	.002	.002	0	0
19	KICKER1	PY	.002	.002	0	0
20	KICKER2	PY	.002	.002	0	0
21	KICKER3	PY	.002	.002	0	0
22	MP ALPHA1	PY	.003	.003	0	0
23	MP ALPHA2	PY	.003	.003	0	0
24	MP ALPHA3	PY	.003	.003	0	0
25	MP ALPHA4	PY	.003	.003	0	0
26	MP BETA1	PY	.003	.003	0	0
27	MP BETA2	PY	.003	.003	0	0
28	MP BETA3	PY	.003	.003	0	0
29	MP BETA4	PY	.003	.003	0	0
30	MP GAMMA1	PY	.003	.003	0	0
31	MP GAMMA2	PY	.003	.003	0	0
32	MP GAMMA3	PY	.003	.003	0	0
33	MP GAMMA4	PY	.003	.003	0	0
34	RAIL2	PY	.000881	.000881	0	0
35	RAIL1	PY	.002	.002	0	0
36	RAIL3	PY	.002	.002	0	0
37	SO1	PY	.001	.001	0	0
38	SO2	PY	.001	.001	0	0
39	SO3	PY	.001	.001	0	0
40	SUPP1	PY	.001	.001	0	0
41	SUPP2	PY	.001	.001	0	0
42	SUPP3	PY	.001	.001	0	0
43	SUPP4	PY	.001	.001	0	0
44	SUPP5	PY	.001	.001	0	0
45	SUPP6	PY	.001	.001	0	0
46	CON1	PX	-.000509	-.000509	0	0
47	CON2	PX	-.000509	-.000509	0	0
48	CON3	PX	-.000509	-.000509	0	0
49	CR1	PX	-.000633	-.000633	0	0
50	CR2	PX	-.000633	-.000633	0	0
51	CR3	PX	-.000633	-.000633	0	0
52	CR4	PX	-.000633	-.000633	0	0
53	CR5	PX	-.000633	-.000633	0	0
54	CR6	PX	-.000633	-.000633	0	0
55	END1	PX	-.000633	-.000633	0	0
56	END2	PX	-.000633	-.000633	0	0
57	END3	PX	-.000633	-.000633	0	0
58	END4	PX	-.000633	-.000633	0	0
59	END5	PX	-.000633	-.000633	0	0
60	END6	PX	-.000633	-.000633	0	0
61	FACE2	PX	-.000633	-.000633	0	0
62	FACE1	PX	-.001	-.001	0	0
63	FACE3	PX	-.001	-.001	0	0
64	KICKER1	PX	-.000871	-.000871	0	0
65	KICKER2	PX	-.000871	-.000871	0	0
66	KICKER3	PX	-.000871	-.000871	0	0
67	MP ALPHA1	PX	-.002	-.002	0	0
68	MP ALPHA2	PX	-.002	-.002	0	0
69	MP ALPHA3	PX	-.002	-.002	0	0
70	MP ALPHA4	PX	-.002	-.002	0	0
71	MP BETA1	PX	-.002	-.002	0	0
72	MP BETA2	PX	-.002	-.002	0	0



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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.%]
73	MP BETA3	PX	-.002	-.002	0	0
74	MP BETA4	PX	-.002	-.002	0	0
75	MP GAMMA1	PX	-.002	-.002	0	0
76	MP GAMMA2	PX	-.002	-.002	0	0
77	MP GAMMA3	PX	-.002	-.002	0	0
78	MP GAMMA4	PX	-.002	-.002	0	0
79	RAIL2	PX	-.000509	-.000509	0	0
80	RAIL1	PX	-.001	-.001	0	0
81	RAIL3	PX	-.001	-.001	0	0
82	SO1	PX	-.000832	-.000832	0	0
83	SO2	PX	-.000832	-.000832	0	0
84	SO3	PX	-.000832	-.000832	0	0
85	SUPP1	PX	-.000641	-.000641	0	0
86	SUPP2	PX	-.000641	-.000641	0	0
87	SUPP3	PX	-.000641	-.000641	0	0
88	SUPP4	PX	-.000641	-.000641	0	0
89	SUPP5	PX	-.000641	-.000641	0	0
90	SUPP6	PX	-.000641	-.000641	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	CON1	PY	.001	.001	0	0
2	CON2	PY	.001	.001	0	0
3	CON3	PY	.001	.001	0	0
4	CR1	PY	.001	.001	0	0
5	CR2	PY	.001	.001	0	0
6	CR3	PY	.001	.001	0	0
7	CR4	PY	.001	.001	0	0
8	CR5	PY	.001	.001	0	0
9	CR6	PY	.001	.001	0	0
10	END1	PY	.001	.001	0	0
11	END2	PY	.001	.001	0	0
12	END3	PY	.001	.001	0	0
13	END4	PY	.001	.001	0	0
14	END5	PY	.001	.001	0	0
15	END6	PY	.001	.001	0	0
16	FACE2	PY	.001	.001	0	0
17	FACE1	PY	.003	.003	0	0
18	FACE3	PY	.003	.003	0	0
19	KICKER1	PY	.002	.002	0	0
20	KICKER2	PY	.002	.002	0	0
21	KICKER3	PY	.002	.002	0	0
22	MP ALPHA1	PY	.003	.003	0	0
23	MP ALPHA2	PY	.003	.003	0	0
24	MP ALPHA3	PY	.003	.003	0	0
25	MP ALPHA4	PY	.003	.003	0	0
26	MP BETA1	PY	.003	.003	0	0
27	MP BETA2	PY	.003	.003	0	0
28	MP BETA3	PY	.003	.003	0	0
29	MP BETA4	PY	.003	.003	0	0
30	MP GAMMA1	PY	.003	.003	0	0
31	MP GAMMA2	PY	.003	.003	0	0
32	MP GAMMA3	PY	.003	.003	0	0
33	MP GAMMA4	PY	.003	.003	0	0
34	RAIL2	PY	.001	.001	0	0
35	RAIL1	PY	.002	.002	0	0



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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.%]
36	RAIL3	PY	.002	.002	0	0
37	SO1	PY	.002	.002	0	0
38	SO2	PY	.002	.002	0	0
39	SO3	PY	.002	.002	0	0
40	SUPP1	PY	.001	.001	0	0
41	SUPP2	PY	.001	.001	0	0
42	SUPP3	PY	.001	.001	0	0
43	SUPP4	PY	.001	.001	0	0
44	SUPP5	PY	.001	.001	0	0
45	SUPP6	PY	.001	.001	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	CON1	PY	.000881	.000881	0	0
2	CON2	PY	.000881	.000881	0	0
3	CON3	PY	.000881	.000881	0	0
4	CR1	PY	.001	.001	0	0
5	CR2	PY	.001	.001	0	0
6	CR3	PY	.001	.001	0	0
7	CR4	PY	.001	.001	0	0
8	CR5	PY	.001	.001	0	0
9	CR6	PY	.001	.001	0	0
10	END1	PY	.001	.001	0	0
11	END2	PY	.001	.001	0	0
12	END3	PY	.001	.001	0	0
13	END4	PY	.001	.001	0	0
14	END5	PY	.001	.001	0	0
15	END6	PY	.001	.001	0	0
16	FACE3	PY	.001	.001	0	0
17	FACE2	PY	.002	.002	0	0
18	FACE1	PY	.002	.002	0	0
19	KICKER1	PY	.002	.002	0	0
20	KICKER2	PY	.002	.002	0	0
21	KICKER3	PY	.002	.002	0	0
22	MP ALPHA1	PY	.003	.003	0	0
23	MP ALPHA2	PY	.003	.003	0	0
24	MP ALPHA3	PY	.003	.003	0	0
25	MP ALPHA4	PY	.003	.003	0	0
26	MP BETA1	PY	.003	.003	0	0
27	MP BETA2	PY	.003	.003	0	0
28	MP BETA3	PY	.003	.003	0	0
29	MP BETA4	PY	.003	.003	0	0
30	MP GAMMA1	PY	.003	.003	0	0
31	MP GAMMA2	PY	.003	.003	0	0
32	MP GAMMA3	PY	.003	.003	0	0
33	MP GAMMA4	PY	.003	.003	0	0
34	RAIL3	PY	.000881	.000881	0	0
35	RAIL2	PY	.002	.002	0	0
36	RAIL1	PY	.002	.002	0	0
37	SO1	PY	.001	.001	0	0
38	SO2	PY	.001	.001	0	0
39	SO3	PY	.001	.001	0	0
40	SUPP1	PY	.001	.001	0	0
41	SUPP2	PY	.001	.001	0	0
42	SUPP3	PY	.001	.001	0	0
43	SUPP4	PY	.001	.001	0	0



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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, %]
44	SUPP5	PY	.001	.001	0	0
45	SUPP6	PY	.001	.001	0	0
46	CON1	PX	.000509	.000509	0	0
47	CON2	PX	.000509	.000509	0	0
48	CON3	PX	.000509	.000509	0	0
49	CR1	PX	.000633	.000633	0	0
50	CR2	PX	.000633	.000633	0	0
51	CR3	PX	.000633	.000633	0	0
52	CR4	PX	.000633	.000633	0	0
53	CR5	PX	.000633	.000633	0	0
54	CR6	PX	.000633	.000633	0	0
55	END1	PX	.000633	.000633	0	0
56	END2	PX	.000633	.000633	0	0
57	END3	PX	.000633	.000633	0	0
58	END4	PX	.000633	.000633	0	0
59	END5	PX	.000633	.000633	0	0
60	END6	PX	.000633	.000633	0	0
61	FACE3	PX	.000633	.000633	0	0
62	FACE2	PX	.001	.001	0	0
63	FACE1	PX	.001	.001	0	0
64	KICKER1	PX	.000871	.000871	0	0
65	KICKER2	PX	.000871	.000871	0	0
66	KICKER3	PX	.000871	.000871	0	0
67	MP ALPHA1	PX	.002	.002	0	0
68	MP ALPHA2	PX	.002	.002	0	0
69	MP ALPHA3	PX	.002	.002	0	0
70	MP ALPHA4	PX	.002	.002	0	0
71	MP BETA1	PX	.002	.002	0	0
72	MP BETA2	PX	.002	.002	0	0
73	MP BETA3	PX	.002	.002	0	0
74	MP BETA4	PX	.002	.002	0	0
75	MP GAMMA1	PX	.002	.002	0	0
76	MP GAMMA2	PX	.002	.002	0	0
77	MP GAMMA3	PX	.002	.002	0	0
78	MP GAMMA4	PX	.002	.002	0	0
79	RAIL3	PX	.000509	.000509	0	0
80	RAIL2	PX	.001	.001	0	0
81	RAIL1	PX	.001	.001	0	0
82	SO1	PX	.000832	.000832	0	0
83	SO2	PX	.000832	.000832	0	0
84	SO3	PX	.000832	.000832	0	0
85	SUPP1	PX	.000641	.000641	0	0
86	SUPP2	PX	.000641	.000641	0	0
87	SUPP3	PX	.000641	.000641	0	0
88	SUPP4	PX	.000641	.000641	0	0
89	SUPP5	PX	.000641	.000641	0	0
90	SUPP6	PX	.000641	.000641	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	CON1	PY	.000509	.000509	0	0
2	CON2	PY	.000509	.000509	0	0
3	CON3	PY	.000509	.000509	0	0
4	CR1	PY	.000633	.000633	0	0
5	CR2	PY	.000633	.000633	0	0
6	CR3	PY	.000633	.000633	0	0



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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.%,]
7	CR4	PY	.000633	.000633	0	0
8	CR5	PY	.000633	.000633	0	0
9	CR6	PY	.000633	.000633	0	0
10	END1	PY	.000633	.000633	0	0
11	END2	PY	.000633	.000633	0	0
12	END3	PY	.000633	.000633	0	0
13	END4	PY	.000633	.000633	0	0
14	END5	PY	.000633	.000633	0	0
15	END6	PY	.000633	.000633	0	0
16	FACE3	PY	.000633	.000633	0	0
17	FACE2	PY	.001	.001	0	0
18	FACE1	PY	.001	.001	0	0
19	KICKER1	PY	.000871	.000871	0	0
20	KICKER2	PY	.000871	.000871	0	0
21	KICKER3	PY	.000871	.000871	0	0
22	MP ALPHA1	PY	.002	.002	0	0
23	MP ALPHA2	PY	.002	.002	0	0
24	MP ALPHA3	PY	.002	.002	0	0
25	MP ALPHA4	PY	.002	.002	0	0
26	MP BETA1	PY	.002	.002	0	0
27	MP BETA2	PY	.002	.002	0	0
28	MP BETA3	PY	.002	.002	0	0
29	MP BETA4	PY	.002	.002	0	0
30	MP GAMMA1	PY	.002	.002	0	0
31	MP GAMMA2	PY	.002	.002	0	0
32	MP GAMMA3	PY	.002	.002	0	0
33	MP GAMMA4	PY	.002	.002	0	0
34	RAIL3	PY	.000509	.000509	0	0
35	RAIL2	PY	.001	.001	0	0
36	RAIL1	PY	.001	.001	0	0
37	SO1	PY	.000832	.000832	0	0
38	SO2	PY	.000832	.000832	0	0
39	SO3	PY	.000832	.000832	0	0
40	SUPP1	PY	.000641	.000641	0	0
41	SUPP2	PY	.000641	.000641	0	0
42	SUPP3	PY	.000641	.000641	0	0
43	SUPP4	PY	.000641	.000641	0	0
44	SUPP5	PY	.000641	.000641	0	0
45	SUPP6	PY	.000641	.000641	0	0
46	CON1	PX	.000881	.000881	0	0
47	CON2	PX	.000881	.000881	0	0
48	CON3	PX	.000881	.000881	0	0
49	CR1	PX	.001	.001	0	0
50	CR2	PX	.001	.001	0	0
51	CR3	PX	.001	.001	0	0
52	CR4	PX	.001	.001	0	0
53	CR5	PX	.001	.001	0	0
54	CR6	PX	.001	.001	0	0
55	END1	PX	.001	.001	0	0
56	END2	PX	.001	.001	0	0
57	END3	PX	.001	.001	0	0
58	END4	PX	.001	.001	0	0
59	END5	PX	.001	.001	0	0
60	END6	PX	.001	.001	0	0
61	FACE3	PX	.001	.001	0	0
62	FACE2	PX	.002	.002	0	0
63	FACE1	PX	.002	.002	0	0



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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, %]
64	KICKER1	PX	.002	.002	0	0
65	KICKER2	PX	.002	.002	0	0
66	KICKER3	PX	.002	.002	0	0
67	MP ALPHA1	PX	.003	.003	0	0
68	MP ALPHA2	PX	.003	.003	0	0
69	MP ALPHA3	PX	.003	.003	0	0
70	MP ALPHA4	PX	.003	.003	0	0
71	MP BETA1	PX	.003	.003	0	0
72	MP BETA2	PX	.003	.003	0	0
73	MP BETA3	PX	.003	.003	0	0
74	MP BETA4	PX	.003	.003	0	0
75	MP GAMMA1	PX	.003	.003	0	0
76	MP GAMMA2	PX	.003	.003	0	0
77	MP GAMMA3	PX	.003	.003	0	0
78	MP GAMMA4	PX	.003	.003	0	0
79	RAIL3	PX	.000881	.000881	0	0
80	RAIL2	PX	.002	.002	0	0
81	RAIL1	PX	.002	.002	0	0
82	SO1	PX	.001	.001	0	0
83	SO2	PX	.001	.001	0	0
84	SO3	PX	.001	.001	0	0
85	SUPP1	PX	.001	.001	0	0
86	SUPP2	PX	.001	.001	0	0
87	SUPP3	PX	.001	.001	0	0
88	SUPP4	PX	.001	.001	0	0
89	SUPP5	PX	.001	.001	0	0
90	SUPP6	PX	.001	.001	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	CON1	PX	.001	.001	0	0
2	CON2	PX	.001	.001	0	0
3	CON3	PX	.001	.001	0	0
4	CR1	PX	.001	.001	0	0
5	CR2	PX	.001	.001	0	0
6	CR3	PX	.001	.001	0	0
7	CR4	PX	.001	.001	0	0
8	CR5	PX	.001	.001	0	0
9	CR6	PX	.001	.001	0	0
10	END1	PX	.001	.001	0	0
11	END2	PX	.001	.001	0	0
12	END3	PX	.001	.001	0	0
13	END4	PX	.001	.001	0	0
14	END5	PX	.001	.001	0	0
15	END6	PX	.001	.001	0	0
16	FACE3	PX	.001	.001	0	0
17	FACE2	PX	.003	.003	0	0
18	FACE1	PX	.003	.003	0	0
19	KICKER1	PX	.002	.002	0	0
20	KICKER2	PX	.002	.002	0	0
21	KICKER3	PX	.002	.002	0	0
22	MP ALPHA1	PX	.003	.003	0	0
23	MP ALPHA2	PX	.003	.003	0	0
24	MP ALPHA3	PX	.003	.003	0	0
25	MP ALPHA4	PX	.003	.003	0	0
26	MP BETA1	PX	.003	.003	0	0



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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.%]
27	MP BETA2	PX	.003	.003	0	0
28	MP BETA3	PX	.003	.003	0	0
29	MP BETA4	PX	.003	.003	0	0
30	MP GAMMA1	PX	.003	.003	0	0
31	MP GAMMA2	PX	.003	.003	0	0
32	MP GAMMA3	PX	.003	.003	0	0
33	MP GAMMA4	PX	.003	.003	0	0
34	RAIL3	PX	.001	.001	0	0
35	RAIL2	PX	.002	.002	0	0
36	RAIL1	PX	.002	.002	0	0
37	SO1	PX	.002	.002	0	0
38	SO2	PX	.002	.002	0	0
39	SO3	PX	.002	.002	0	0
40	SUPP1	PX	.001	.001	0	0
41	SUPP2	PX	.001	.001	0	0
42	SUPP3	PX	.001	.001	0	0
43	SUPP4	PX	.001	.001	0	0
44	SUPP5	PX	.001	.001	0	0
45	SUPP6	PX	.001	.001	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	CON1	PY	-.000509	-.000509	0	0
2	CON2	PY	-.000509	-.000509	0	0
3	CON3	PY	-.000509	-.000509	0	0
4	CR1	PY	-.000633	-.000633	0	0
5	CR2	PY	-.000633	-.000633	0	0
6	CR3	PY	-.000633	-.000633	0	0
7	CR4	PY	-.000633	-.000633	0	0
8	CR5	PY	-.000633	-.000633	0	0
9	CR6	PY	-.000633	-.000633	0	0
10	END1	PY	-.000633	-.000633	0	0
11	END2	PY	-.000633	-.000633	0	0
12	END3	PY	-.000633	-.000633	0	0
13	END4	PY	-.000633	-.000633	0	0
14	END5	PY	-.000633	-.000633	0	0
15	END6	PY	-.000633	-.000633	0	0
16	FACE3	PY	-.000633	-.000633	0	0
17	FACE2	PY	-.001	-.001	0	0
18	FACE1	PY	-.001	-.001	0	0
19	KICKER1	PY	-.000871	-.000871	0	0
20	KICKER2	PY	-.000871	-.000871	0	0
21	KICKER3	PY	-.000871	-.000871	0	0
22	MP ALPHA1	PY	-.002	-.002	0	0
23	MP ALPHA2	PY	-.002	-.002	0	0
24	MP ALPHA3	PY	-.002	-.002	0	0
25	MP ALPHA4	PY	-.002	-.002	0	0
26	MP BETA1	PY	-.002	-.002	0	0
27	MP BETA2	PY	-.002	-.002	0	0
28	MP BETA3	PY	-.002	-.002	0	0
29	MP BETA4	PY	-.002	-.002	0	0
30	MP GAMMA1	PY	-.002	-.002	0	0
31	MP GAMMA2	PY	-.002	-.002	0	0
32	MP GAMMA3	PY	-.002	-.002	0	0
33	MP GAMMA4	PY	-.002	-.002	0	0
34	RAIL3	PY	-.000509	-.000509	0	0



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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.%]	
35	RAIL2	PY	-.001	-.001	0	0
36	RAIL1	PY	-.001	-.001	0	0
37	SO1	PY	-.000832	-.000832	0	0
38	SO2	PY	-.000832	-.000832	0	0
39	SO3	PY	-.000832	-.000832	0	0
40	SUPP1	PY	-.000641	-.000641	0	0
41	SUPP2	PY	-.000641	-.000641	0	0
42	SUPP3	PY	-.000641	-.000641	0	0
43	SUPP4	PY	-.000641	-.000641	0	0
44	SUPP5	PY	-.000641	-.000641	0	0
45	SUPP6	PY	-.000641	-.000641	0	0
46	CON1	PX	.000881	.000881	0	0
47	CON2	PX	.000881	.000881	0	0
48	CON3	PX	.000881	.000881	0	0
49	CR1	PX	.001	.001	0	0
50	CR2	PX	.001	.001	0	0
51	CR3	PX	.001	.001	0	0
52	CR4	PX	.001	.001	0	0
53	CR5	PX	.001	.001	0	0
54	CR6	PX	.001	.001	0	0
55	END1	PX	.001	.001	0	0
56	END2	PX	.001	.001	0	0
57	END3	PX	.001	.001	0	0
58	END4	PX	.001	.001	0	0
59	END5	PX	.001	.001	0	0
60	END6	PX	.001	.001	0	0
61	FACE3	PX	.001	.001	0	0
62	FACE2	PX	.002	.002	0	0
63	FACE1	PX	.002	.002	0	0
64	KICKER1	PX	.002	.002	0	0
65	KICKER2	PX	.002	.002	0	0
66	KICKER3	PX	.002	.002	0	0
67	MP ALPHA1	PX	.003	.003	0	0
68	MP ALPHA2	PX	.003	.003	0	0
69	MP ALPHA3	PX	.003	.003	0	0
70	MP ALPHA4	PX	.003	.003	0	0
71	MP BETA1	PX	.003	.003	0	0
72	MP BETA2	PX	.003	.003	0	0
73	MP BETA3	PX	.003	.003	0	0
74	MP BETA4	PX	.003	.003	0	0
75	MP GAMMA1	PX	.003	.003	0	0
76	MP GAMMA2	PX	.003	.003	0	0
77	MP GAMMA3	PX	.003	.003	0	0
78	MP GAMMA4	PX	.003	.003	0	0
79	RAIL3	PX	.000881	.000881	0	0
80	RAIL2	PX	.002	.002	0	0
81	RAIL1	PX	.002	.002	0	0
82	SO1	PX	.001	.001	0	0
83	SO2	PX	.001	.001	0	0
84	SO3	PX	.001	.001	0	0
85	SUPP1	PX	.001	.001	0	0
86	SUPP2	PX	.001	.001	0	0
87	SUPP3	PX	.001	.001	0	0
88	SUPP4	PX	.001	.001	0	0
89	SUPP5	PX	.001	.001	0	0
90	SUPP6	PX	.001	.001	0	0



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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	CON1	PY	-0.00881	-0.00881	0	0
2	CON2	PY	-0.00881	-0.00881	0	0
3	CON3	PY	-0.00881	-0.00881	0	0
4	CR1	PY	-0.001	-0.001	0	0
5	CR2	PY	-0.001	-0.001	0	0
6	CR3	PY	-0.001	-0.001	0	0
7	CR4	PY	-0.001	-0.001	0	0
8	CR5	PY	-0.001	-0.001	0	0
9	CR6	PY	-0.001	-0.001	0	0
10	END1	PY	-0.001	-0.001	0	0
11	END2	PY	-0.001	-0.001	0	0
12	END3	PY	-0.001	-0.001	0	0
13	END4	PY	-0.001	-0.001	0	0
14	END5	PY	-0.001	-0.001	0	0
15	END6	PY	-0.001	-0.001	0	0
16	FACE1	PY	-0.001	-0.001	0	0
17	FACE2	PY	-0.002	-0.002	0	0
18	FACE3	PY	-0.002	-0.002	0	0
19	KICKER1	PY	-0.002	-0.002	0	0
20	KICKER2	PY	-0.002	-0.002	0	0
21	KICKER3	PY	-0.002	-0.002	0	0
22	MP ALPHA1	PY	-0.003	-0.003	0	0
23	MP ALPHA2	PY	-0.003	-0.003	0	0
24	MP ALPHA3	PY	-0.003	-0.003	0	0
25	MP ALPHA4	PY	-0.003	-0.003	0	0
26	MP BETA1	PY	-0.003	-0.003	0	0
27	MP BETA2	PY	-0.003	-0.003	0	0
28	MP BETA3	PY	-0.003	-0.003	0	0
29	MP BETA4	PY	-0.003	-0.003	0	0
30	MP GAMMA1	PY	-0.003	-0.003	0	0
31	MP GAMMA2	PY	-0.003	-0.003	0	0
32	MP GAMMA3	PY	-0.003	-0.003	0	0
33	MP GAMMA4	PY	-0.003	-0.003	0	0
34	RAIL1	PY	-0.00881	-0.00881	0	0
35	RAIL2	PY	-0.002	-0.002	0	0
36	RAIL3	PY	-0.002	-0.002	0	0
37	SO1	PY	-0.001	-0.001	0	0
38	SO2	PY	-0.001	-0.001	0	0
39	SO3	PY	-0.001	-0.001	0	0
40	SUPP1	PY	-0.001	-0.001	0	0
41	SUPP2	PY	-0.001	-0.001	0	0
42	SUPP3	PY	-0.001	-0.001	0	0
43	SUPP4	PY	-0.001	-0.001	0	0
44	SUPP5	PY	-0.001	-0.001	0	0
45	SUPP6	PY	-0.001	-0.001	0	0
46	CON1	PX	.000509	.000509	0	0
47	CON2	PX	.000509	.000509	0	0
48	CON3	PX	.000509	.000509	0	0
49	CR1	PX	.000633	.000633	0	0
50	CR2	PX	.000633	.000633	0	0
51	CR3	PX	.000633	.000633	0	0
52	CR4	PX	.000633	.000633	0	0
53	CR5	PX	.000633	.000633	0	0
54	CR6	PX	.000633	.000633	0	0
55	END1	PX	.000633	.000633	0	0
56	END2	PX	.000633	.000633	0	0
57	END3	PX	.000633	.000633	0	0



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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, %]
58	END4	PX	.000633	.000633	0	0
59	END5	PX	.000633	.000633	0	0
60	END6	PX	.000633	.000633	0	0
61	FACE1	PX	.000633	.000633	0	0
62	FACE2	PX	.001	.001	0	0
63	FACE3	PX	.001	.001	0	0
64	KICKER1	PX	.000871	.000871	0	0
65	KICKER2	PX	.000871	.000871	0	0
66	KICKER3	PX	.000871	.000871	0	0
67	MP ALPHA1	PX	.002	.002	0	0
68	MP ALPHA2	PX	.002	.002	0	0
69	MP ALPHA3	PX	.002	.002	0	0
70	MP ALPHA4	PX	.002	.002	0	0
71	MP BETA1	PX	.002	.002	0	0
72	MP BETA2	PX	.002	.002	0	0
73	MP BETA3	PX	.002	.002	0	0
74	MP BETA4	PX	.002	.002	0	0
75	MP GAMMA1	PX	.002	.002	0	0
76	MP GAMMA2	PX	.002	.002	0	0
77	MP GAMMA3	PX	.002	.002	0	0
78	MP GAMMA4	PX	.002	.002	0	0
79	RAIL1	PX	.000509	.000509	0	0
80	RAIL2	PX	.001	.001	0	0
81	RAIL3	PX	.001	.001	0	0
82	SO1	PX	.000832	.000832	0	0
83	SO2	PX	.000832	.000832	0	0
84	SO3	PX	.000832	.000832	0	0
85	SUPP1	PX	.000641	.000641	0	0
86	SUPP2	PX	.000641	.000641	0	0
87	SUPP3	PX	.000641	.000641	0	0
88	SUPP4	PX	.000641	.000641	0	0
89	SUPP5	PX	.000641	.000641	0	0
90	SUPP6	PX	.000641	.000641	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	SUPP1	Z	-.009	-.013	0	.828
2	SUPP1	Z	-.013	-.011	.828	1.656
3	SUPP1	Z	-.011	-.003	1.656	2.484
4	SUPP2	Z	-.007	-.01	0	.621
5	SUPP2	Z	-.01	-.012	.621	1.242
6	SUPP2	Z	-.012	-.011	1.242	1.863
7	SUPP2	Z	-.011	-.006	1.863	2.484
8	SUPP5	Z	-.009	-.012	0	.828
9	SUPP5	Z	-.012	-.012	.828	1.656
10	SUPP5	Z	-.012	-.007	1.656	2.484
11	SUPP6	Z	-.011	-.009	0	1.242
12	SUPP6	Z	-.009	-.008	1.242	2.484
13	SUPP3	Z	-.011	-.009	0	1.242
14	SUPP3	Z	-.009	-.008	1.242	2.484
15	SUPP4	Z	-.009	-.012	0	.828
16	SUPP4	Z	-.012	-.012	.828	1.656
17	SUPP4	Z	-.012	-.007	1.656	2.484

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, %]
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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.%]
1 SUPP1	Z	-0.13	-0.19	0	.828
2 SUPP1	Z	-0.19	-0.16	.828	1.656
3 SUPP1	Z	-0.16	-.004	1.656	2.484
4 SUPP2	Z	-.009	-.014	0	.621
5 SUPP2	Z	-.014	-.017	.621	1.242
6 SUPP2	Z	-.017	-.015	1.242	1.863
7 SUPP2	Z	-.015	-.008	1.863	2.484
8 SUPP5	Z	-.013	-.017	0	.828
9 SUPP5	Z	-.017	-.017	.828	1.656
10 SUPP5	Z	-.017	-.01	1.656	2.484
11 SUPP6	Z	-.015	-.013	0	1.242
12 SUPP6	Z	-.013	-.011	1.242	2.484
13 SUPP3	Z	-.015	-.013	0	1.242
14 SUPP3	Z	-.013	-.011	1.242	2.484
15 SUPP4	Z	-.013	-.017	0	.828
16 SUPP4	Z	-.017	-.017	.828	1.656
17 SUPP4	Z	-.017	-.01	1.656	2.484

Member Area Loads (BLC 3 : Dead Load)

Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1 N140	N139	N137	N138A	Z	Two Way	-.01
2 N131A	N130A	N128B	N129A	Z	Two Way	-.01
3 N149	N148	N146	N147	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 N140	N139	N137	N138A	Z	Two Way	-.014
2 N131A	N130A	N128B	N129A	Z	Two Way	-.014
3 N149	N148	N146	N147	Z	Two Way	-.014

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 N11	max	1.301	11	2.536	2	.766	3	1.259	36	.64	11	2.536	29
2	min	-1.309	29	-3.721	20	.331	17	.58	17	-.722	29	-2.512	11
3 N104A	max	3.162	8	1.825	5	.766	24	.311	17	1.209	18	2.468	17
4	min	-2.117	26	-1.267	23	.288	7	-.882	35	.198	35	-2.446	35
5 N117A	max	2.025	14	2.162	2	.765	12	.284	23	-.195	2	2.556	5
6	min	-3.023	32	-1.605	20	.336	29	-.994	5	-1.107	21	-2.532	23
7 N154	max	.035	11	1.644	21	1.639	21	.41	21	.103	11	.097	29
8	min	-.025	29	.093	2	.096	2	.024	2	-.087	29	-.116	11
9 N159	max	-.102	26	-.068	26	1.655	10	.028	29	.37	7	.07	17
10	min	-1.466	10	-.861	10	.121	26	-.228	11	.008	23	-.091	35
11 N164	max	1.405	33	-.07	14	1.626	33	.044	11	-.021	17	.078	5
12	min	.117	14	-.827	33	.134	14	-.217	29	-.364	33	-.095	23
13 Totals:	max	5.118	11	5.409	2	6.723	6						
14	min	-5.118	29	-5.455	20	3.429	23						

Basic Load Cases

BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distrib..	Area(Me...	Surface(...
1 Live Load	DL					1			
2 Wind Load (0)	DL					24	45		
3 Dead Load	DL			-1.1		24		3	



Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distrib..	Area(Me...Surface(...
4	Wind Load (30)	DL					48	90	
5	Wind Load (60)	DL					48	90	
6	Wind Load (90)	DL					24	45	
7	Wind Load (120)	DL					48	90	
8	Wind Load (150)	DL					48	90	
9	Wind Load (180)	DL					24	45	
10	Wind Load (210)	DL					48	90	
11	Wind Load (240)	DL					48	90	
12	Wind Load (270)	DL					24	45	
13	Wind Load (300)	DL					48	90	
14	Wind Load (330)	DL					48	90	
15	Maintenance (0)	DL					24	45	
16	Maintenance (30)	DL					48	90	
17	Maintenance (60)	DL					48	90	
18	Maintenance (90)	DL					24	45	
19	Maintenance (120)	DL					48	90	
20	Maintenance (150)	DL					48	90	
21	Maintenance (180)	DL					24	45	
22	Maintenance (210)	DL					48	90	
23	Maintenance (240)	DL					48	90	
24	Maintenance (270)	DL					24	45	
25	Maintenance (300)	DL					48	90	
26	Maintenance (330)	DL					48	90	
27	Ice Dead Load	DL					24	45	3
28	Ice Wind Load (0)	DL					24	45	
29	Ice Wind Load (30)	DL					48	90	
30	Ice Wind Load (60)	DL					48	90	
31	Ice Wind Load (90)	DL					24	45	
32	Ice Wind Load (120)	DL					48	90	
33	Ice Wind Load (150)	DL					48	90	
34	Ice Wind Load (180)	DL					24	45	
35	Ice Wind Load (210)	DL					48	90	
36	Ice Wind Load (240)	DL					48	90	
37	Ice Wind Load (270)	DL					24	45	
38	Ice Wind Load (300)	DL					48	90	
39	Ice Wind Load (330)	DL					48	90	
40	Earthquake (x-direction)	DL	-.116				24		
41	Earthquake (y-direction)	DL		-.116			24		
42	Earthquake (z-direction)	DL			-.046		24		
43	BLC 3 Transient Area Loads	None						17	
44	BLC 27 Transient Area Loads	None						17	

Load Combinations

	Description	So..P... S...	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..
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 + 1.0Wi(0)	Yes Y	3	1.2	27	1	28	1						
4	1.2D + 1.5L + 1.0Wi(0)	Yes Y	3	1.2	1	1.5	15	1						
5	1.2D + 1.0W(30)	Yes Y	3	1.2	4	1								
6	1.2D + 1.0Di + 1.0Wi(...	Yes Y	3	1.2	27	1	29	1						
7	1.2D + 1.5L + 1.0Wi(30)	Yes Y	3	1.2	1	1.5	16	1						
8	1.2D + 1.0W(60)	Yes Y	3	1.2	5	1								
9	1.2D + 1.0Di + 1.0Wi(...	Yes Y	3	1.2	27	1	30	1						
10	1.2D + 1.5L + 1.0Wi(60)	Yes Y	3	1.2	1	1.5	17	1						
11	1.2D + 1.0W(90)	Yes Y	3	1.2	6	1								



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Load Combinations (Continued)

Description	So...	P...	S...	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..
12	1.2D + 1.0Di + 1.0Wi(...)	Yes	Y	3	1.2	27	1	31	1					
13	1.2D + 1.5L + 1.0Wi(90)	Yes	Y	3	1.2	1	1.5	18	1					
14	1.2D + 1.0W(120)	Yes	Y	3	1.2	7	1							
15	1.2D + 1.0Di + 1.0Wi(...)	Yes	Y	3	1.2	27	1	32	1					
16	1.2D + 1.5L + 1.0Wi(1...	Yes	Y	3	1.2	1	1.5	19	1					
17	1.2D + 1.0W(150)	Yes	Y	3	1.2	8	1							
18	1.2D + 1.0Di + 1.0Wi(...)	Yes	Y	3	1.2	27	1	33	1					
19	1.2D + 1.5L + 1.0Wi(1...	Yes	Y	3	1.2	1	1.5	20	1					
20	1.2D + 1.0W(180)	Yes	Y	3	1.2	9	1							
21	1.2D + 1.0Di + 1.0Wi(...)	Yes	Y	3	1.2	27	1	34	1					
22	1.2D + 1.5L + 1.0Wi(1...	Yes	Y	3	1.2	1	1.5	21	1					
23	1.2D + 1.0W(210)	Yes	Y	3	1.2	10	1							
24	1.2D + 1.0Di + 1.0Wi(...)	Yes	Y	3	1.2	27	1	35	1					
25	1.2D + 1.5L + 1.0Wi(2...	Yes	Y	3	1.2	1	1.5	22	1					
26	1.2D + 1.0W(240)	Yes	Y	3	1.2	11	1							
27	1.2D + 1.0Di + 1.0Wi(...)	Yes	Y	3	1.2	27	1	36	1					
28	1.2D + 1.5L + 1.0Wi(2...	Yes	Y	3	1.2	1	1.5	23	1					
29	1.2D + 1.0W(270)	Yes	Y	3	1.2	12	1							
30	1.2D + 1.0Di + 1.0Wi(...)	Yes	Y	3	1.2	27	1	37	1					
31	1.2D + 1.5L + 1.0Wi(2...	Yes	Y	3	1.2	1	1.5	24	1					
32	1.2D + 1.0W(300)	Yes	Y	3	1.2	13	1							
33	1.2D + 1.0Di + 1.0Wi(...)	Yes	Y	3	1.2	27	1	38	1					
34	1.2D + 1.5L + 1.0Wi(3...	Yes	Y	3	1.2	1	1.5	25	1					
35	1.2D + 1.0W(330)	Yes	Y	3	1.2	14	1							
36	1.2D + 1.0Di + 1.0Wi(...)	Yes	Y	3	1.2	27	1	39	1					
37	1.2D + 1.5L + 1.0Wi(3...	Yes	Y	3	1.2	1	1.5	26	1					
38	1.2D + 1.0E(x) + 1.0E(...)	Yes	Y	3	1.2	40	1	42	1	1	1			
39	1.2D + 1.0E(y) + 1.0E(...)	Yes	Y	3	1.2	41	1	42	1	1	1			
40	1.2D - 1.0E(x) + 1.0E(...)	Yes	Y	3	1.2	40	-1	42	1	1	1			
41	1.2D - 1.0E(y) + 1.0E(...)	Yes	Y	3	1.2	41	-1	42	1	1	1			

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

Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc[ft] Dir	LC	phi*P...	phi*P...	phi*M...	phi*M...	Cb	Eqn
1	MP ALPHA2	PIPE_2.0	.480	2.5	20	.077	2.5	35	14.916	32.13	1.872	1.872	2.13 H1-1b
2	MP BETA2	PIPE_2.0	.473	2.5	32	.076	2.5	11	14.916	32.13	1.872	1.872	2.... H1-1b
3	MP GAMMA2	PIPE_2.0	.470	2.5	8	.081	2.5	23	14.916	32.13	1.872	1.872	2.... H1-1b
4	MP GAMMA3	PIPE_2.0	.414	2.5	5	.092	2.5	26	14.916	32.13	1.872	1.872	2.... H1-1b
5	MP ALPHA3	PIPE_2.0	.402	2.5	17	.093	2.5	2	14.916	32.13	1.872	1.872	2.... H1-1b
6	MP BETA3	PIPE_2.0	.398	2.5	29	.093	2.5	14	14.916	32.13	1.872	1.872	2.... H1-1b
7	MP GAMMA1	PIPE_2.0	.338	2.5	23	.149	2.5	26	14.916	32.13	1.872	1.872	2.65 H1-1b
8	MP ALPHA1	PIPE_2.0	.323	2.5	35	.151	2.5	2	14.916	32.13	1.872	1.872	3.... H1-1b
9	MP BETA1	PIPE_2.0	.318	2.5	11	.151	2.5	14	14.916	32.13	1.872	1.872	2.... H1-1b
10	RAIL2	PIPE_2.0	.277	7.943	14	.199	11.9...	32	6.295	32.13	1.872	1.872	1.... H1-1b
11	RAIL1	PIPE_2.0	.276	7.943	2	.206	11.9...	20	6.295	32.13	1.872	1.872	1.97 H1-1b
12	RAIL3	PIPE_2.0	.272	7.943	26	.200	11.9...	8	6.295	32.13	1.872	1.872	1.... H1-1b
13	MP BETA4	PIPE_2.0	.235	2.5	20	.099	2.5	14	14.916	32.13	1.872	1.872	2.... H1-1b
14	SUPP1	L1.25x1...	.232	1.19	15	.017	0 z	6	4.433	9.619	.143	.286	1.... H2-1
15	MP ALPHA4	PIPE_2.0	.231	2.5	5	.099	2.5	2	14.916	32.13	1.872	1.872	2.... H1-1b
16	MP GAMMA4	PIPE_2.0	.228	2.5	2	.098	2.5	26	14.916	32.13	1.872	1.872	2.... H1-1b
17	SUPP4	L1.25x1...	.227	1.216	27	.016	0 y	30	4.433	9.619	.143	.285	1.... H2-1
18	SUPP5	L1.25x1...	.227	1.216	6	.016	0 y	18	4.433	9.619	.143	.285	1.... H2-1
19	SUPP2	L1.25x1...	.217	1.242	3	.015	2.484 y	6	4.433	9.619	.143	.286	1.... H2-1
20	SUPP6	L1.25x1...	.200	1.216	36	.015	0 z	21	4.433	9.619	.143	.285	1.... H2-1
21	SUPP3	L1.25x1...	.200	1.216	9	.015	0 z	33	4.433	9.619	.143	.285	1.... H2-1
22	SO3	HSS5X3...	.174	0	5	.082	0 z	5	154.2...	197.8...	17.595	25.323	1.... H1-1b



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

Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc[ft]	Dir	LC	phi*P...	phi*P...	phi*M...	phi*M...	Cb	Eqn	
23	SO2	HSS5X3...	.172	0	29	.079	0	z	29	154.2...	197.8...	17.595	25.323	1....	H1-1b
24	SO1	HSS5X3...	.169	0	17	.080	0	z	17	154.2...	197.8...	17.595	25.323	1....	H1-1b
25	END1	PIPE_3.0	.165	.665	23	.100	.665	5	78.024	78.246	6.899	6.899	1....	H1-1b	
26	END5	PIPE_3.0	.161	.665	35	.097	.665	20	78.024	78.246	6.899	6.899	1....	H1-1b	
27	CR5	PIPE_3.0	.158	1.907	24	.083	.119	11	76.439	78.246	6.899	6.899	2....	H1-1b	
28	CR3	PIPE_3.0	.157	1.907	36	.088	.119	23	76.439	78.246	6.899	6.899	2....	H1-1b	
29	END3	PIPE_3.0	.157	.665	11	.095	.665	29	78.024	78.246	6.899	6.899	1.99	H1-1b	
30	CR1	PIPE_3.0	.156	1.907	12	.086	.119	35	76.439	78.246	6.899	6.899	2.15	H1-1b	
31	END4	PIPE_3.0	.150	0	5	.080	.541	37	78.024	78.246	6.899	6.899	1....	H1-1b	
32	END2	PIPE_3.0	.149	0	17	.079	0	35	78.024	78.246	6.899	6.899	1....	H1-1b	
33	CR2	PIPE_3.0	.149	0	6	.087	1.788	17	76.439	78.246	6.899	6.899	2.17	H1-1b	
34	CR6	PIPE_3.0	.148	0	18	.083	1.788	29	76.439	78.246	6.899	6.899	2.17	H1-1b	
35	CR4	PIPE_3.0	.148	0	30	.087	1.788	5	76.439	78.246	6.899	6.899	2....	H1-1b	
36	END6	PIPE_3.0	.143	0	29	.076	0	11	78.024	78.246	6.899	6.899	1....	H1-1b	
37	CON1	PIPE_2.0	.136	1.583	14	.133	1.583	35	37.19	38.556	2.246	2.246	2....	H1-1b	
38	CON2	PIPE_2.0	.134	1.583	23	.128	1.583	11	37.19	38.556	2.246	2.246	1....	H1-1b	
39	CON3	PIPE_2.0	.133	0	2	.137	0	23	37.19	38.556	2.246	2.246	1....	H1-1b	
40	FACE1	PIPE_3.0	.110	9.375	20	.105	3.255	2	28.616	78.246	6.899	6.899	1....	H1-1b	
41	FACE3	PIPE_3.0	.108	9.375	26	.103	3.255	26	28.616	78.246	6.899	6.899	1....	H1-1b	
42	FACE2	PIPE_3.0	.105	9.375	32	.104	3.255	14	28.616	78.246	6.899	6.899	1.18	H1-1b	
43	KICKER3	LL2.5x2...	.075	4.151	3	.006	6.87	z	8	31.945	58.32	3.954	2.513	2....	H1-1b
44	KICKER1	LL2.5x2...	.074	0	10	.006	6.87	z	20	31.945	58.32	3.954	2.513	2....	H1-1b
45	KICKER2	LL2.5x2...	.074	4.151	27	.006	6.87	z	32	31.945	58.32	3.954	2.513	2....	H1-1b

EOR Job # 22-125098
Site Number 284982
Site Name OLD LYME II CT

Calculations Based on TIA-222-H

Reactions from RISA-3D

Moment 2.084 ft-kip
 Axial 0.759 kips
 Shear 1.34 kips

Bolt Information

Grade A325
 Threads in Shear Plane Included
 Diameter 0.625 in.
 Bolt Spacing 6 in.
 Number of Rods 4

Flange Plate Information

Width 10 in.
 Thickness 0.625 in.
 Grade A36

Standoff Information

Standoff Member HSS
 Flat-Flat 5 in.
 Thickness 0.375 in.

Bolt Calculations

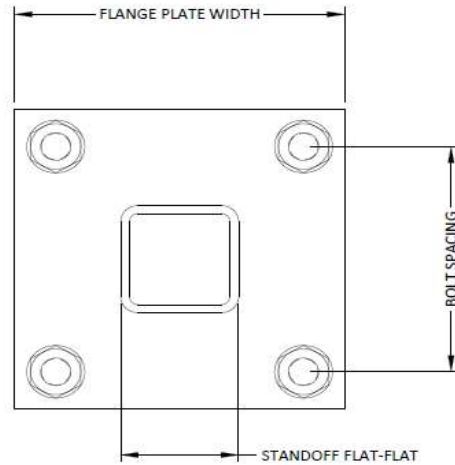
ϕ 0.75
 A_{nt} 0.226 in²
 A_b 0.307 in²
 F_u 120 ksi
 ϕR_{nv} 13.81 kips
 ϕR_{nt} 20.34 kips
 V 0.34 kips
 F 2.27 kips
 Capacity 1.3%

Flange Plate Calculations

ϕ 0.9
 F_y 36 ksi
 t_{min} 0.07 in
 Z 1.0 in³
 ϕM_n 31.6 in-kip
 M_u 2.3 in-kip
 Capacity 7.2%

Capacities

Bolts	1.3%
Flange Plate	7.2%





POD Job # 22-125098
Site Number 284982
Site Name OLD LYME II CT

Connection Type Single Shear

RISA 3D Forces
 Axial (Bolts) 0.061 kips
 Shear (Bolts) 2.372 kips
 Axial Force (Member) 2.372 kips

Bolt/Member Information

Member Label	KICKER1	
# of Bolts	1	
Diameter	0.625	inches
Bolt Grade	A325	
Member Grade	A36	
Threads Included?	Yes	
L_b	0	inches
L_c	1	inches
t	0.1875	inches

Shear Capacity	17.2%
Axial Capacity	0.3%
Bearing Capacity	19.7%
Combined Capacity	3.0%

RAN Template: 67D5D998E 6160	A&L Template: 67D5998E_1xAIR+1OP+1QP
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CTNL803A_Anchor_3

Print Name: Preliminary (RFDS_For_Scoping)
PORs: Anchor_Phase 3

Section 1 - Site Information

Site ID: CTNL803A
Status: Final
Version: 3
Project Type: Anchor
Approved: 2/25/2022 12:51:39 PM
Approved By: Michael.Low1@T-Mobile.com
Last Modified: 2/25/2022 12:51:39 PM
Last Modified By: Michael.Low1@T-Mobile.com

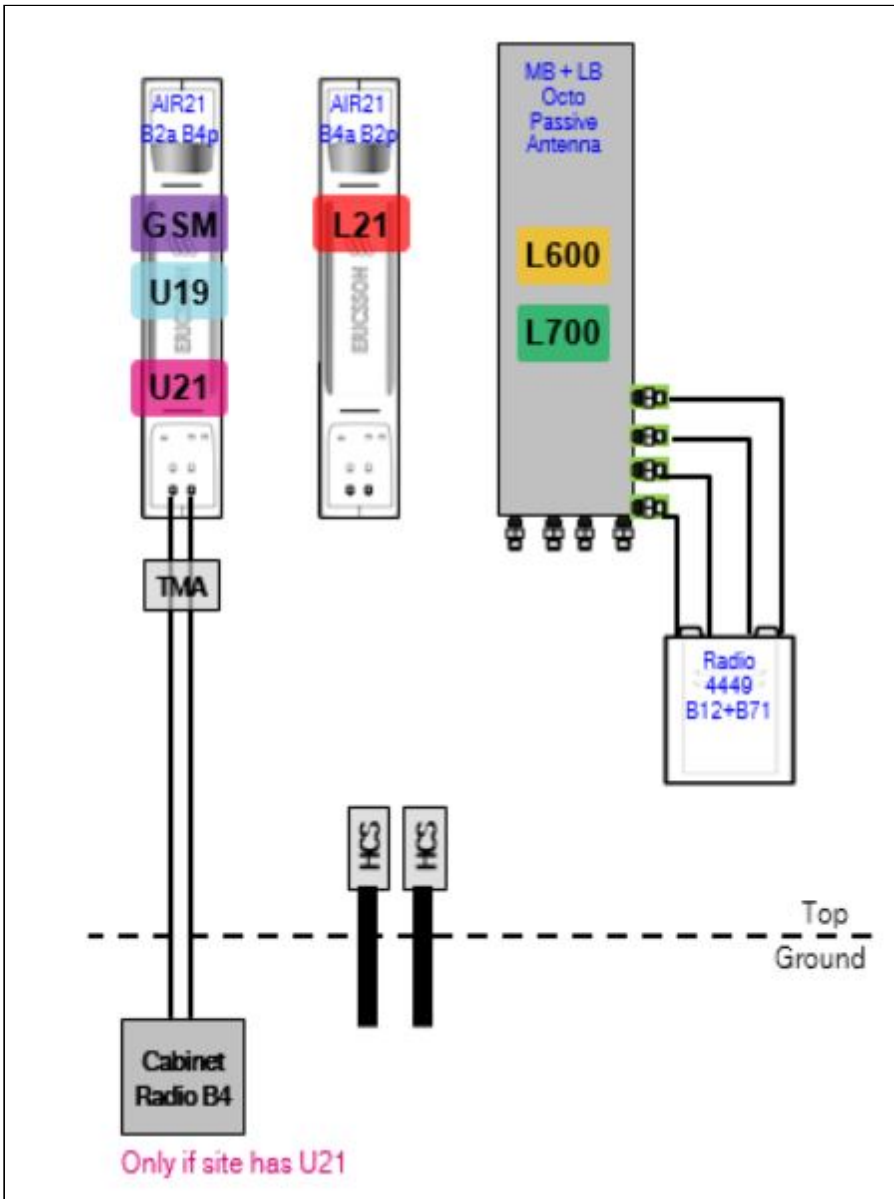
Site Name: Amtrak_OldLyme4
Site Class: Monopole
Site Type: Structure Non Building
Plan Year: 2022
Market: CONNECTICUT CT
Vendor: Ericsson
Landlord: Netedgenetworks

Latitude: 41.29181000
Longitude: -72.28692300
Address: 232 Shore Road
City, State: Old Lyme, CT
Region: NORTHEAST

RAN Template: 67D5D998E 6160		AL Template: 67D5998E_1xAIR+1OP+1QP		
Sector Count: 3	Antenna Count: 9	Coax Line Count: 0	TMA Count: 0	RRU Count: 6

Section 2 - Existing Template Images

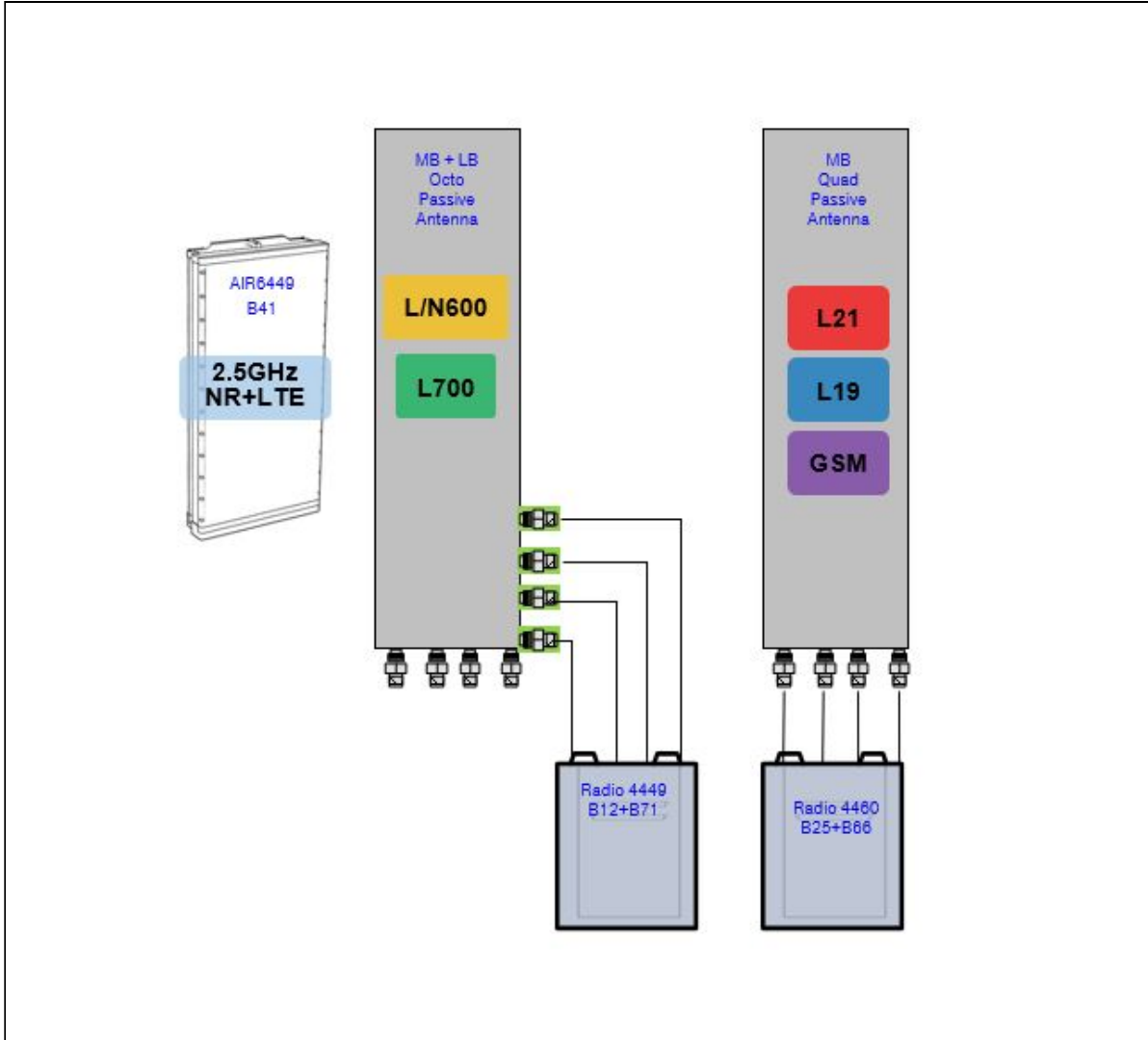
67D02C.JPG



Notes:

Section 3 - Proposed Template Images

67D5998E_1xAIR+1OP+1QP.JPG



Notes:

Section 4 - Siteplan Images

----- This section is intentionally blank. -----

RAN Template: 67D5D998E 6160	A&L Template: 67D5998E_1xAIR+1OP+1QP
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Section 5 - RAN Equipment

Existing RAN Equipment

Template: 67D02C Outdoor

Enclosure	1		
Enclosure Type	RBS 6131		
Baseband	DUW30 U1900	DUG20 G1900	BB 6630 L2100 BB 6630 L700 L600 N600
Hybrid Cable System	Ericsson 9x18 HCS *Select Length* Ericsson 6x12 HCS *Select Length & AWG* (x 3)		
Radio	RU22 (x 6)		

Proposed RAN Equipment

Template: 67D5D998E 6160

	1	2	3
Enclosure Type	Enclosure 6160 AC V1	B160	RBS 6131
Baseband	RP 6651 L2500 RP 6651 N2500		DUW30 U1900 DUG20 G1900 BB 6630 L2100 BB 6630 L700 L600 N600
Hybrid Cable System	PSU 4813 vR4A (Kit) Ericsson Hybrid Trunk 6/24 4AWG 50m (x 2)		Ericsson 6x12 HCS *Select Length & AWG* (x 3)
Transport System	CSR IXRe V2 (Gen2)		

RAN Scope of Work:

- Remove and return all cabinet radios from existing base station cabinet.
- Add (1) Enclosure 6160.
- Add (1) iXRe Router to new Enclosure 6160.
- Add (1) RP 6651 for N2500 to new Enclosure 6160.
- Add (1) RP 6651 for L2500 to new Enclosure 6160.
- Add (1) PSU4813 Voltage Booster to new Enclosure 6160.
- Add (1) Battery Cabinet B160.
- Existing : (3) 6x12, (1) 9x18
- Remove all Coax, Remove (1) 9x18
- Add (2) 6X24 HCS terminating at the Enclosure 6160. Connect DC for the AIR6419 B41 to the PSU4813 Voltage Booster.

RAN Template: 67D5D998E 6160	A&L Template: 67D5998E_1xAIR+1OP+1QP
--	--

Section 6 - A&L Equipment

Existing Template: 67D02C_2xAIR+1OP
Proposed Template: 67D5998E_1xAIR+1OP+1QP

Sector 1 (Existing) view from behind

Coverage Type	A - Outdoor Macro							
Antenna	1		2			3		
Antenna Model	Ericsson - AIR21 KRC118023-1_B2P_B4A (Quad)		RFS - APXVAARR24_43-U-NA20 (Octo)			Ericsson - AIR21 KRC118023-1_B2A_B4P (Quad)		
Azimuth	90		90			90		
M. Tilt	0		0			0		
Height	99		99			99		
Ports	P1	P2	P3	P4	P5	P6	P7	P8
Active Tech.		L2100	L700 L600 N600	L700 L600 N600			U1900 G1900	
Dark Tech.								
Restricted Tech.								
Decomm. Tech.								
E. Tilt		2	2	2			2	
Cables		Fiber Jumper - 15 ft. (x2)	Coax Jumper - 15 ft. (x2) Fiber Jumper - 15 ft. (x2)	Coax Jumper - 15 ft. (x2)			Fiber Jumper - 15 ft. (x2)	1-5/8" Coax - 120 ft. (x2)
TMA's								
Diplexers / Combiners								
Radio			Radio 4449 B71+B8 5 (At Antenna)	SHARED Radio 4449 B71+B8 5 (At Antenna)				
Sector Equipment								

Unconnected Equipment:

Scope of Work:

Replace LB Dual in Position 2 with (1) LB/MB Octo.
Replace RRUS11 B12 in Position 2 with (1) Radio 4449 B71+B12 for L600 and L700.
Remove AWS TMA.

Reinforce T-Arms.

*A dashed border indicates shared equipment. Any connected equipment is denoted with the SHARED keyword.

RAN Template: 67D5D998E 6160	A&L Template: 67D5998E_1xAIR+1OP+1QP
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Sector 1 (Proposed) view from behind								
Coverage Type	A - Outdoor Macro							
Antenna	1		2			3		
Antenna Model	AIR 6419 B41 (Active Antenna - Massive MIMO)		RFS - APXVAARR24_43-U-NA20 (Octo)			Commscope_VV-65A-R1 (Quad)		
Azimuth	90		90			90		
M. Tilt	0		0			0		
Height	99		99			99		
Ports	P1	P2	P3	P4	P5	P6	P7	P8
Active Tech.	L2500 N2500	L2500 N2500	L700 L600 N600	L700 L600 N600			U1900 L2100 L1900 G1900	U1900 L2100 L1900 G1900
Dark Tech.								
Restricted Tech.								
Decomm. Tech.								
E. Tilt	2	2	2	2			2	2
Cables	Fiber Jumper (x2)	Fiber Jumper (x2)	Coax Jumper (x2) Fiber Jumper	Coax Jumper (x2) Fiber Jumper			Coax Jumper (x2) Fiber Jumper	Coax Jumper (x2) Fiber Jumper
TMA's								
Diplexers / Combiners								
Radio			Radio 4449 B71+B8 5 (At Antenna)	SHARED Radio 4449 B71+B8 5 (At Antenna)			Radio 4460 B25+B66 (At Antenna)	SHARED Radio 4460 B25+B66 (At Antenna)
Sector Equipment								

Unconnected Equipment:

Scope of Work:

There will be Three antennae per sector.

Remove all TMA's.

Remove all Coaxial Lines.

Replace AIR21 B2P/B4A from Position 1 and Install (1) AIR6419 B41 for L2500 and N2500.

Replace AIR21 B2A/B4P with (1) mid-band Quad VV-65A-R1 in Position 3 .

Add (1) Radio 4460 B25+B66 for L2100, L1900 (Both carriers), U1900 and GSM to Position 3 at antenna.

Ensure RET control is enabled for all technology layers according to the Design Documents

*A dashed border indicates shared equipment. Any connected equipment is denoted with the SHARED keyword.

RAN Template: 67D5D998E 6160	A&L Template: 67D5998E_1xAIR+1OP+1QP
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Sector 2 (Existing) view from behind								
Coverage Type	A - Outdoor Macro							
Antenna	1		2				3	
Antenna Model	Ericsson - AIR21 KRC118023-1_B2P_B4A (Quad)		RFS - APXVAARR24_43-U-NA20 (Octo)				Ericsson - AIR21 KRC118023-1_B2A_B4P (Quad)	
Azimuth	210		210				210	
M. Tilt	0		0				0	
Height	99		99				99	
Ports	P1	P2	P3	P4	P5	P6	P7	P8
Active Tech.		L2100	L700 L600 N600	L700 L600 N600			U1900 G1900	
Dark Tech.								
Restricted Tech.								
Decomm. Tech.								
E. Tilt	0	2	2	2			2	2
Cables		Fiber Jumper - 15 ft. (x2)	Coax Jumper - 15 ft. (x2) Fiber Jumper - 15 ft. (x2)	Coax Jumper - 15 ft. (x2)			Fiber Jumper - 15 ft. (x2)	1-5/8" Coax - 120 ft. (x2)
TMA's								
Diplexers / Combiners								
Radio			Radio 4449 B71+B8 5 (At Antenna)	SHARED Radio 4449 B71+B8 5 (At Antenna)				
Sector Equipment								

Unconnected Equipment:

Scope of Work:

Replace LB Dual in Position 2 with (1) LB/MB Octo.
 Replace RRUS11 B12 in Position 2 with (1) Radio 4449 B71+B12 for L600 and L700.
 Remove AWS TMA.
 Reinforce T-Arms.

*A dashed border indicates shared equipment. Any connected equipment is denoted with the SHARED keyword.

RAN Template: 67D5D998E 6160	A&L Template: 67D5998E_1xAIR+1OP+1QP
--	--

Sector 2 (Proposed) view from behind											
Coverage Type	A - Outdoor Macro										
Antenna	1		2			3					
Antenna Model	AIR 6419 B41 (Active Antenna - Massive MIMO)		RFS - APXVAARR24_43-U-NA20 (Octo)			Commscope_VV-65A-R1 (Quad)					
Azimuth	210		210			210					
M. Tilt	0		0			0					
Height	99		99			99					
Ports	P1		P2		P3	P4	P5	P6	P7		P8
Active Tech.	L2500 N2500		L2500 N2500		L700 L600 N600	L700 L600 N600			U1900 L2100 L1900 G1900		U1900 L2100 L1900 G1900
Dark Tech.											
Restricted Tech.											
Decomm. Tech.											
E. Tilt	2		2		2	2			2		2
Cables	Fiber Jumper (x2)		Fiber Jumper (x2)		Coax Jumper (x2) Fiber Jumper	Coax Jumper (x2) Fiber Jumper			Coax Jumper (x2) Fiber Jumper		Coax Jumper (x2) Fiber Jumper
TMA's											
Diplexers / Combiners											
Radio					Radio 4449 B71+B8 5 (At Antenna)	SHARED Radio 4449 B71+B8 5 (At Antenna)			Radio 4460 B25+B66 (At Antenna)		SHARED Radio 4460 B25+B66 (At Antenna)
Sector Equipment											

Unconnected Equipment:

Scope of Work:

There will be Three antennae per sector.

Remove all TMA's.

Remove all Coaxial Lines.

Replace AIR21 B2P/B4A from Position 1 and Install (1) AIR6419 B41 for L2500 and N2500 to Position 1.

Replace AIR21 B2A/B4P with (1) mid-band Quad VV-65A-R1 in Position 3 .

Add (1) Radio 4460 B25+B66 for L2100, L1900 (Both carriers), U1900 and GSM to Position 3 at antenna.

Ensure RET control is enabled for all technology layers according to the Design Documents

*A dashed border indicates shared equipment. Any connected equipment is denoted with the SHARED keyword.

RAN Template: 67D5D998E 6160	A&L Template: 67D5998E_1xAIR+1OP+1QP
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Sector 3 (Existing) view from behind								
Coverage Type	A - Outdoor Macro							
Antenna	1		2				3	
Antenna Model	Ericsson - AIR21 KRC118023-1_B2P_B4A (Quad)		RFS - APXVAARR24_43-U-NA20 (Octo)				Ericsson - AIR21 KRC118023-1_B2A_B4P (Quad)	
Azimuth	320		320				320	
M. Tilt	0		0				0	
Height	99		99				99	
Ports	P1	P2	P3	P4	P5	P6	P7	P8
Active Tech.		L2100	L700 L600 N600	L700 L600 N600			U1900 G1900	
Dark Tech.								
Restricted Tech.								
Decomm. Tech.								
E. Tilt	0	2	2	2			2	2
Cables		Fiber Jumper - 15 ft. (x2)	Coax Jumper - 15 ft. (x2) Fiber Jumper - 15 ft. (x2)	Coax Jumper - 15 ft. (x2)			Fiber Jumper - 15 ft. (x2)	1-5/8" Coax - 120 ft. (x2)
TMA's								
Diplexers / Combiners								
Radio			Radio 4449 B71+B8 5 (At Antenna)	SHARED Radio 4449 B71+B8 5 (At Antenna)				
Sector Equipment								

Unconnected Equipment:

Scope of Work:

Replace LB Dual in Position 2 with (1) LB/MB Octo.
 Replace RRUS11 B12 in Position 2 with (1) Radio 4449 B71+B12 for L600 and L700.
 Remove AWS TMA.
 Reinforce T-Arms.

*A dashed border indicates shared equipment. Any connected equipment is denoted with the SHARED keyword.

RAN Template: 67D5D998E 6160	A&L Template: 67D5998E_1xAIR+1OP+1QP
--	--

Sector 3 (Proposed) view from behind								
Coverage Type	A - Outdoor Macro							
Antenna	1		2			3		
Antenna Model	AIR 6419 B41 (Active Antenna - Massive MIMO)		RFS - APXVAARR24_43-U-NA20 (Octo)			Commscope_VV-65A-R1 (Quad)		
Azimuth	320		320			320		
M. Tilt	0		0			0		
Height	99		99			99		
Ports	P1	P2	P3	P4	P5	P6	P7	P8
Active Tech.	L2500 N2500	L2500 N2500	L700 L600 N600	L700 L600 N600			U1900 L2100 L1900 G1900	U1900 L2100 L1900 G1900
Dark Tech.								
Restricted Tech.								
Decomm. Tech.								
E. Tilt	2	2	2	2			2	2
Cables	Fiber Jumper (x2)	Fiber Jumper (x2)	Coax Jumper (x2) Fiber Jumper	Coax Jumper (x2) Fiber Jumper			Coax Jumper (x2) Fiber Jumper	Coax Jumper (x2) Fiber Jumper
TMAs								
Diplexers / Combiners								
Radio			Radio 4449 B71+B8 5 (At Antenna)	SHARED Radio 4449 B71+B8 5 (At Antenna)			Radio 4460 B25+B66 (At Antenna)	SHARED Radio 4460 B25+B66 (At Antenna)
Sector Equipment								

Unconnected Equipment:

Scope of Work:

There will be Three antennae per sector.

Remove all TMAs.

Remove all Coaxial Lines.

Replace AIR21 B2P/B4A from Position 1 and Install (1) AIR6419 B41 for L2500 and N2500 to Position 1.

Replace AIR21 B2A/B4P with (1) mid-band Quad VV-65A-R1 in Position 3 .

Add (1) Radio 4460 B25+B66 for L2100, L1900 (Both carriers), U1900 and GSM to Position 3 at antenna.

Ensure RET control is enabled for all technology layers according to the Design Documents

*A dashed border indicates shared equipment. Any connected equipment is denoted with the SHARED keyword.

RAN Template: 67D5D998E 6160	A&L Template: 67D5998E_1xAIR+1OP+1QP
--	--

Section 7 - Power Systems Equipment

Existing Power Systems Equipment

----- This section is intentionally blank. -----

Proposed Power Systems Equipment

Enclosure

1

Enclosure Type

Enclosure 6160 AC V1

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

T-Mobile Existing Facility

Site ID: CTNL803A

Amtrak_OldLyme4
232 Shore Road
Old Lyme, Connecticut 06371

April 14, 2022

EBI Project Number: 6222002441

Site Compliance Summary	
Compliance Status:	COMPLIANT
Site total MPE% of FCC general population allowable limit:	37.05%

April 14, 2022

T-Mobile

Attn: Jason Overbey, RF Manager
35 Griffin Road South
Bloomfield, Connecticut 06002

Emissions Analysis for Site: CTNL803A - Amtrak_OldLyme4

EBI Consulting was directed to analyze the proposed T-Mobile facility located at **232 Shore Road in Old Lyme, Connecticut** for the purpose of determining whether the emissions from the Proposed T-Mobile 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 97-01 and ANSI/IEEE Std C95.1. The FCC regulates Maximum Permissible Exposure in units of microwatts per square centimeter ($\mu\text{W}/\text{cm}^2$). The number of $\mu\text{W}/\text{cm}^2$ 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 ($\mu\text{W}/\text{cm}^2$). The general population exposure limits for the 600 MHz and 700 MHz frequency bands are approximately $400 \mu\text{W}/\text{cm}^2$ and $467 \mu\text{W}/\text{cm}^2$, respectively. The general population exposure limit for the 1900 MHz (PCS), 2100 MHz (AWS) and 11 GHz frequency bands is $1000 \mu\text{W}/\text{cm}^2$. 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 T-Mobile Wireless antenna facility located at 232 Shore Road in Old Lyme, Connecticut using the equipment information listed below. All calculations were performed per the specifications under FCC OET 65. Since T-Mobile 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 10 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) 2 LTE 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) 1 NR channel (600 MHz Band) was considered for each sector of the proposed installation. This Channel has a transmit power of 80 Watts.
- 3) 2 LTE channels (700 MHz Band) were considered for each sector of the proposed installation. These Channels have a transmit power of 30 Watts per Channel.
- 4) 4 GSM channels (PCS Band - 1900 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 30 Watts per Channel.
- 5) 2 UMTS channels (PCS Band - 1900 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 30 Watts per Channel.
- 6) 2 LTE channels (PCS Band - 1900 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 60 Watts per Channel.

- 7) 2 LTE channels (AWS Band – 2100 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 60 Watts per Channel.
- 8) 1 LTE Traffic channel (LTE IC and 2C BRS Band - 2500 MHz) was considered for each sector of the proposed installation. This Channel has a transmit power of 60 Watts.
- 9) 1 LTE Broadcast channel (LTE IC and 2C BRS Band - 2500 MHz) was considered for each sector of the proposed installation. This Channel has a transmit power of 20 Watts.
- 10) 1 NR Traffic channel (BRS Band - 2500 MHz) was considered for each sector of the proposed installation. This Channel has a transmit power of 120 Watts.
- 11) 1 NR Broadcast channel (BRS Band - 2500 MHz) was considered for each sector of the proposed installation. This Channel has a transmit power of 40 Watts.
- 12) 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.
- 13) 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 10 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.
- 14) The antennas used in this modeling are the Ericsson AIR 6419 for the 2500 MHz / 2500 MHz / 2500 MHz / 2500 MHz channel(s), the RFS APXVAARR24_43-U-NA20 for the 600 MHz / 600 MHz / 700 MHz channel(s), the Commscope VV-65A-RI for the 1900 MHz / 1900 MHz / 1900 MHz / 2100 MHz channel(s) in Sector A, the Ericsson AIR 6419 for the 2500 MHz / 2500 MHz / 2500 MHz / 2500 MHz channel(s), the RFS APXVAARR24_43-U-NA20 for the 600 MHz / 600 MHz / 700 MHz channel(s), the Commscope VV-65A-RI for the 1900 MHz / 1900 MHz / 1900 MHz / 2100 MHz channel(s) in Sector B, the Ericsson AIR 6419 for the 2500 MHz / 2500 MHz / 2500 MHz / 2500 MHz channel(s), the RFS APXVAARR24_43-U-NA20 for the 600 MHz / 600 MHz / 700 MHz channel(s), the Commscope VV-65A-RI for the 1900 MHz / 1900 MHz / 1900 MHz / 2100 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 10 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.

- 15) The antenna mounting height centerline of the proposed antennas is 99 feet above ground level (AGL).
- 16) 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.
- 17) All calculations were done with respect to uncontrolled / general population threshold limits.

T-Mobile Site Inventory and Power Data

Sector:	A	Sector:	B	Sector:	C
Antenna #:	1	Antenna #:	1	Antenna #:	1
Make / Model:	Ericsson AIR 6419	Make / Model:	Ericsson AIR 6419	Make / Model:	Ericsson AIR 6419
Frequency Bands:	2500 MHz / 2500 MHz / 2500 MHz / 2500 MHz	Frequency Bands:	2500 MHz / 2500 MHz / 2500 MHz	Frequency Bands:	2500 MHz / 2500 MHz / 2500 MHz
Gain:	22.05 dBd / 15.55 dBd / 22.05 dBd / 15.55 dBd	Gain:	22.05 dBd / 15.55 dBd / 22.05 dBd / 15.55 dBd	Gain:	22.05 dBd / 15.55 dBd / 22.05 dBd / 15.55 dBd
Height (AGL):	99 feet	Height (AGL):	99 feet	Height (AGL):	99 feet
Channel Count:	4	Channel Count:	4	Channel Count:	4
Total TX Power (W):	240.00 Watts	Total TX Power (W):	240.00 Watts	Total TX Power (W):	240.00 Watts
ERP (W):	31,011.95	ERP (W):	31,011.95	ERP (W):	31,011.95
Antenna A1 MPE %:	12.89%	Antenna B1 MPE %:	12.89%	Antenna C1 MPE %:	12.89%
Antenna #:	2	Antenna #:	2	Antenna #:	2
Make / Model:	RFS APXVAARR24_43-U-NA20	Make / Model:	RFS APXVAARR24_43-U-NA20	Make / Model:	RFS APXVAARR24_43-U-NA20
Frequency Bands:	600 MHz / 600 MHz / 700 MHz	Frequency Bands:	600 MHz / 600 MHz / 700 MHz	Frequency Bands:	600 MHz / 600 MHz / 700 MHz
Gain:	12.95 dBd / 12.95 dBd / 13.35 dBd	Gain:	12.95 dBd / 12.95 dBd / 13.35 dBd	Gain:	12.95 dBd / 12.95 dBd / 13.35 dBd
Height (AGL):	99 feet	Height (AGL):	99 feet	Height (AGL):	99 feet
Channel Count:	5	Channel Count:	5	Channel Count:	5
Total TX Power (W):	200.00 Watts	Total TX Power (W):	200.00 Watts	Total TX Power (W):	200.00 Watts
ERP (W):	4,059.02	ERP (W):	4,059.02	ERP (W):	4,059.02
Antenna A2 MPE %:	4.02%	Antenna B2 MPE %:	4.02%	Antenna C2 MPE %:	4.02%
Antenna #:	3	Antenna #:	3	Antenna #:	3
Make / Model:	Commscope VV-65A-RI	Make / Model:	Commscope VV-65A-RI	Make / Model:	Commscope VV-65A-RI
Frequency Bands:	1900 MHz / 1900 MHz / 1900 MHz / 2100 MHz	Frequency Bands:	1900 MHz / 1900 MHz / 1900 MHz / 2100 MHz	Frequency Bands:	1900 MHz / 1900 MHz / 1900 MHz / 2100 MHz
Gain:	15.55 dBd / 15.55 dBd / 15.55 dBd / 16.05 dBd	Gain:	15.55 dBd / 15.55 dBd / 15.55 dBd / 16.05 dBd	Gain:	15.55 dBd / 15.55 dBd / 15.55 dBd / 16.05 dBd
Height (AGL):	99 feet	Height (AGL):	99 feet	Height (AGL):	99 feet
Channel Count:	10	Channel Count:	10	Channel Count:	10
Total TX Power (W):	420.00 Watts	Total TX Power (W):	420.00 Watts	Total TX Power (W):	420.00 Watts
ERP (W):	15,600.26	ERP (W):	15,600.26	ERP (W):	15,600.26
Antenna A3 MPE %:	6.48%	Antenna B3 MPE %:	6.48%	Antenna C3 MPE %:	6.48%

Site Composite MPE %	
Carrier	MPE %
T-Mobile (Max at Sector A):	23.40%
Verizon	9.56%
AT&T	4.09%
Site Total MPE % :	37.05%

T-Mobile MPE % Per Sector	
T-Mobile Sector A Total:	23.40%
T-Mobile Sector B Total:	23.40%
T-Mobile Sector C Total:	23.40%
Site Total MPE % :	37.05%

T-Mobile Maximum MPE Power Values (Sector A)

T-Mobile Frequency Band / Technology (Sector A)	# Channels	Watts ERP (Per Channel)	Height (feet)	Total Power Density ($\mu\text{W}/\text{cm}^2$)	Frequency (MHz)	Allowable MPE ($\mu\text{W}/\text{cm}^2$)	Calculated % MPE
T-Mobile 2500 MHz LTE IC & 2C Traffic	1	9619.47	99.0	39.99	2500 MHz LTE IC & 2C Traffic	1000	4.00%
T-Mobile 2500 MHz LTE IC & 2C Broadcast	1	717.84	99.0	2.98	2500 MHz LTE IC & 2C Broadcast	1000	0.30%
T-Mobile 2500 MHz NR Traffic	1	19238.94	99.0	79.97	2500 MHz NR Traffic	1000	8.00%
T-Mobile 2500 MHz NR Broadcast	1	1435.69	99.0	5.97	2500 MHz NR Broadcast	1000	0.60%
T-Mobile 600 MHz LTE	2	591.73	99.0	4.92	600 MHz LTE	400	1.23%
T-Mobile 600 MHz NR	1	1577.94	99.0	6.56	600 MHz NR	400	1.64%
T-Mobile 700 MHz LTE	2	648.82	99.0	5.39	700 MHz LTE	467	1.16%
T-Mobile 1900 MHz GSM	4	1076.77	99.0	17.90	1900 MHz GSM	1000	1.79%
T-Mobile 1900 MHz UMTS	2	1076.77	99.0	8.95	1900 MHz UMTS	1000	0.90%
T-Mobile 1900 MHz LTE	2	2153.53	99.0	17.90	1900 MHz LTE	1000	1.79%
T-Mobile 2100 MHz LTE	2	2416.30	99.0	20.09	2100 MHz LTE	1000	2.01%
						Total:	23.40%

• 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 T-Mobile 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:

T-Mobile Sector	Power Density Value (%)
Sector A:	23.40%
Sector B:	23.40%
Sector C:	23.40%
T-Mobile Maximum MPE % (Sector A):	23.40%
Site Total:	37.05%
Site Compliance Status:	COMPLIANT

The anticipated composite MPE value for this site assuming all carriers present is **37.05%** 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.