Crown Castle
3 Corporate Park Drive, Suite 101
Clifton Park, NY 12065

August 27, 2020

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

RE: **Notice of Exempt Modification for AT&T - 826222**
201 South Main Street, Newtown, CT 06470
Latitude: 41° 22′ 41.32″ / Longitude: -73° 16′ 26.94″

Dear Ms. Bachman:

AT&T currently maintains six (6) antennas at the 110-foot mount on the existing 150-foot Monopole Tower, located at 201 South Main Street, Newtown, CT. The property is owned by Bluelink Corp and the Tower is owned by Crown Castle. AT&T now intends to remove and replace three (3) existing antennas with six (6) new antennas. The new antennas will be installed at the 110-ft level of the tower. AT&T is also proposing tower mount modifications as shown on the enclosed Mount Analysis.

The original date and conditions of the zoning of this facility are unknown despite diligent search efforts to obtain same.

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 Daniel Rosenthal, First Selectman for the Town of Newtown, George Benson, Director of Planning, Mr. and Mrs. Pragl as the property owners and Crown Castle is the tower owner.

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

2. The proposed modifications will not require the extension of the site boundary.

3. The proposed modification 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 Communication 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, AT&T respectfully submits that the proposed modifications to the above-reference telecommunications facility constitutes an exempt modification under R.C.S.A. § 16-50j-72(b)(2). Please send approval/rejection letter to Attn: Anne Marie Zsamba.

Sincerely,

Anne Marie Zsamba
Site Acquisition Specialist
3 Corporate Park Drive, Suite 101
Clifton Park, NY 12065
(201) 236-9224
AnneMarie.Zsamba@crowncastle.com

Attachments
cc:

Daniel Rosenthal, First Selectman (*via email only to Daniel.rosenthal@newtown-ct.gov*)
Town of Newtown
3 Primrose Street
Newtown, CT 06470

George Benson, Director of Planning (*via email only to george.benson@newtown-ct.gov*)
Town of Newtown
3 Primrose Street
Newtown, CT 06470

BlueLink Corp
1950 Spectrum Circle
Suite 300
Marietta, GA 30067

Crown Castle, Tower Owner

ORIGIN ID:SCHA (518) 350-3639
ANNE MARIE ZSAMBA
CROWN CASTLE
21 HEATHER DRIVE

GANSEVOORT, NY 12831
UNITED STATES US

SHIP DATE: 27AUG20
ACTWGT: 1.00 LB
CAD: 104924194/INET4280

BILL SENDER

TO **BLUELINK CORP**

1950 SPECTRUM CIRCLE
SUITE 300
MARIETTA GA 30067
(201) 236-9224

REF: 1734.7680
INV:
PO:
DEPT:

FedEx Express

J202020071401uv

56BJ2/7709/B766

FRI - 28 AUG 10:30A
PRIORITY OVERNIGHT

TRK# 0201 **7713 7192 9408**

XH NCQA

30067
GA-US **ATL**

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
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Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

From: Zsamba, Anne Marie
To: "george.benson@newtown-ct.gov"
Subject: Notice of Exempt Modification - 201 South Main Street - AT&T - 826222
Date: Thursday, August 27, 2020 2:48:00 PM
Attachments: EM-AT&T-201 SOUTH MAIN ST NEWTOWN-826222-notice.pdf

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Dear Planning Director Benson:

Attached please find AT&T's exempt modification application that is being submitted to the Connecticut Siting Council today, August 27, 2020.

In light of the present circumstances with Covid-19, The Council has advised that electronic notification of this filing is acceptable. If you could kindly confirm receipt. Thank you.

Best,
Anne Marie Zsamba

ANNE MARIE ZSAMBA
Site Acquisition Specialist
T: (201) 236-9224
M: (518) 350-3639
F: (724) 416-6112

CROWN CASTLE
3 Corporate Park Drive, Suite 101
Clifton Park, NY 12065
CrownCastle.com

From: Zsamba, Anne Marie
To: "Daniel.rosenthal@newtown-ct.gov"
Subject: Notice of Exempt Modification - 201 South Main Street - AT&T - 826222
Date: Thursday, August 27, 2020 2:48:00 PM
Attachments: EM-AT&T-201 SOUTH MAIN ST NEWTOWN-826222-notice.pdf

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Dear First Selectman Rosenthal:

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Best,
Anne Marie Zsamba

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Site Acquisition Specialist
T: (201) 236-9224
M: (518) 350-3639
F: (724) 416-6112

CROWN CASTLE
3 Corporate Park Drive, Suite 101
Clifton Park, NY 12065
CrownCastle.com

Exhibit A

Property Card

Town of Newtown, CT

Property Listing Report

Map Block Lot **36-12-10-C**

Account **00383600C**

Property Information

Property Location	**201 SOUTH MAIN STREET**
Owner	**BLUELINX CORP**
Co-Owner	**CCTMO**
Mailing Address	**PMB 331- 4017 WASHINGTON ROAD** **MCMURRAY PA 15317**
Land Use	**4310 CELL SITE**
Land Class	**I**
Zoning Code	**M-1**
Census Tract	
Sub Lot	

Neighborhood	
Acreage	**0**
Utilities	**Well,Septic**
Lot Setting/Desc	
Survey Map	
TC Survey Numbers	

Photo

No Photo Available

Sketch

Primary Construction Details

Year Built		Bedrooms		Exterior Walls	
Stories		Full Bathrooms		Interior Walls	
Building Style		Half Bathrooms		Heating Type	
Building Use		Bath Style		Heating Fuel	
Building Condition		Kitchen Style		AC Type	
Floors		Roof Style		Gross Bldg Area	
Total Rooms		Roof Cover		Total Living Area	

Report Created On **8/27/2020**

Town of Newtown, CT

Property Listing Report | Map Block Lot **36-12-10-C** | Account **00383600C**

Valuation Summary

(Assessed value = 70% of Appraised Value)

Item	Appraised	Assessed
Buildings		
Extras		
Outbuildings		
Land		
Total		

Outbuilding and Extra Items

Type	Description
Cell Tower	1 Units
Fence	200 L.F.
Cellular Shed	240 S.F.

Sub Areas

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
Total Area		0

Sales History

Owner of Record	Book/ Page	Sale Date	Sale Price
BLUELINX CORP	1005/ 848	3/22/2012	

Report Created On **8/27/2020**

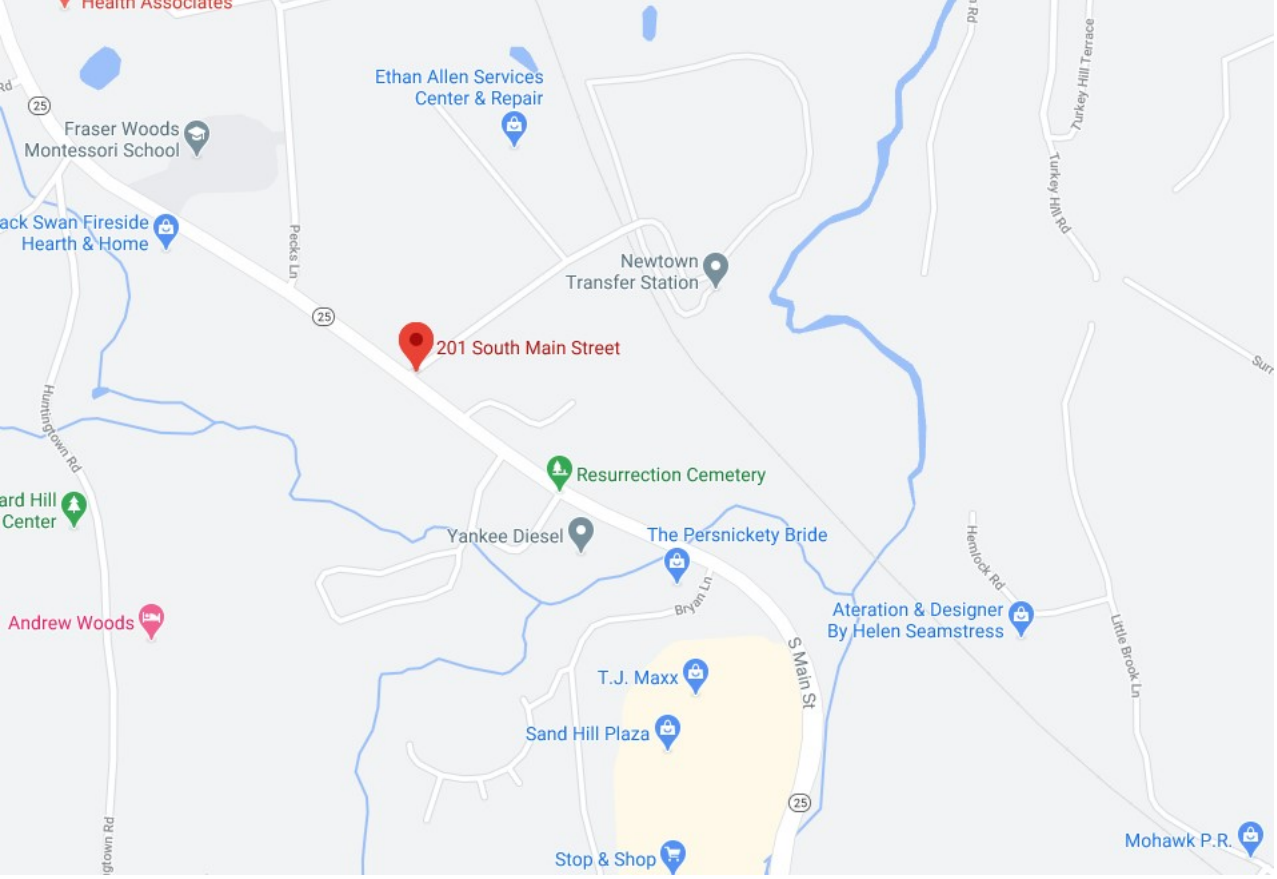
Health Associates
Ethan Allen Services
Center & Repair
Fraser Woods
Montessori School
ack Swan Fireside
Hearth & Home
Pecks Ln
Newtown
Transfer Station
Turkey Hill Terrace
Turkey Hill Rd
201 South Main Street
Huntingtown Rd
Resurrection Cemetery
ard Hill
Center
Yankee Diesel
The Persnickety Bride
Hemlock Rd
Bryan Ln
Andrew Woods
Ateration & Designer
By Helen Seamstress
Little Brook Ln
T.J. Maxx
S Main St
Sand Hill Plaza
Stop & Shop
Mohawk P.R.

Exhibit B

Construction Drawings

DocuSign Envelope ID: 7F2A8C99-E0FC-46D7-9A09-C3FEAA8963A0

AT&T

AT&T SITE NUMBER:	**CT5182**
AT&T SITE NAME:	**NEWTOWN- SOUTH CENTRAL**
AT&T FA CODE:	**10091788**
AT&T PACE NUMBER:	**MRCTB046910; MRCTB046986; MRCTB046694; MRCTB046759**
AT&T PROJECT:	**LTE 2C; LTE 3C; 4TX4RX; 5G NR 1DR-1**
BUSINESS UNIT #:	**826222**
SITE ADDRESS:	**201 SOUTH MAIN STREET NEWTOWN, CT 06470**
COUNTY:	**FAIRFIELD**
SITE TYPE:	**MONOPOLE**
TOWER HEIGHT:	**150'-0"**

SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME:	NEWTOWN/RT-25
SITE ADDRESS:	201 SOUTH MAIN STREET NEWTOWN, CT 06470
COUNTY:	FAIRFIELD
MAP/PARCEL #:	NEWT-000038-003600
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41° 22' 41.32"
LONGITUDE:	-73° 16' 26.94"
LAT/LONGTYPE:	NAD83
GROUND ELEVATION:	397 FT.
CURRENT ZONING:	NOT REQUIRED
JURISDICTION:	TOWN OF NEWTOWN
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	IIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	GLOBAL SIGNAL ACQUISITIONS 1V LLC PO BOX 277455 ATLANTA, GA 30384-7455
TOWEROWNER:	CCTMOLLC 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	AT&T TOWER ASSET GROUP 575 MOROSGO DRIVE ATLANTA, GA 30324-3300
ELECTRIC PROVIDER:	NORTHEAST UTILITIES (800) 286-2000
TELCO PROVIDER:	LIGHTOWER (845) 458-7720

PROJECT TEAM

A&E FIRM:	CROWN CASTLE USA INC. 2000 CORPORATE DRIVE CANONSBURG, PA 15317 CROWNAE.APPROVAL@CROWNCASTLE.COM
CROWN CASTLE USA INC. DISTRICT CONTACTS:	3 CORPORATE PARK DRIVE, SUITE 101 CLIFTON PARK, NY 12065
	VERONICA DELIA - PROJECT MANAGER (610) 635-3222
	JASON D'AMICO - CONSTRUCTION MANAGER (860) 209-0104

DRAWING INDEX

SHEET #	SHEET DESCRIPTION
T-1	TITLE SHEET
T-2	GENERAL NOTES
C-1.1	SITE PLAN
C-1.2	EXISTING & FINAL EQUIPMENT PLANS
C-2	FINAL ELEVATION & ANTENNA PLANS
C-3	FINAL EQUIPMENT SCHEDULE
C-4	MOUNTING ELEVATION & EQUIPMENT SPECS
C-5	FIBER COLOR CODE
C-6.1	COAX COLOR CODE - PART I
C-6.2	COAX COLOR CODE - PART II
G-1	GROUNDING SCHEMATIC
G-2	GROUNDING DETAILS
ATTACHED	ELECTRICAL DESIGN (BY SWARTLEY)
ATTACHED	PLUMBING DIAGRAM (ATTACHED AT FINAL)
ATTACHED	MOUNT MODIFICATION DRAWINGS

ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR 11X17. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

LOCATION MAP

NO SCALE

SITE PHOTO

PROJECT DESCRIPTION

THE PURPOSE OF THIS PROJECT IS TO ENHANCE BROADBAND CONNECTIVITY AND CAPACITY TO THE EXISTING ELIGIBLE WIRELESS FACILITY.

TOWER SCOPE OF WORK:
- REMOVE (3) POWERWAVE TECH - P65-16-XLH-RR ANTENNAS
- REMOVE (3) ERICSSON - RRUS-11 B12 RRUs
- INSTALL MOUNT MODIFICATIONS PER MOUNT MODIFICATION DRAWINGS BY POD GROUP DATED JUNE 8, 2020
- INSTALL (3) CCI - DMP65R-BU6DA ANTENNAS
- INSTALL (3) CCI - OPA65R-BU6DA ANTENNAS
- INSTALL (3) ERICSSON - RRUS 4449 B5/B12RRUs
- INSTALL (3) ERICSSON - RRUS 8843 B2/B66A RRUs
- INSTALL (1) RAYCAP - DC6-48-60-18-8C-EV SQUID
- INSTALL (3) VALMONT - RRUDSM BACK TO BACK MOUNTS
- INSTALL (1) PIPE MOUNT W/ CROSSOVER HARDWARE
- INSTALL (2) ROSENBERGER LEONI - WR-VG66ST-BRD DC CABLES
- INSTALL (1) ROSENBERGER LEONI - FB-L98B-235 FIBER CABLE
- INSTALL (1) 2" INNER DUCT

GROUND SCOPE OF WORK:
- INSTALL (1) 6630 + IDLE
- INSTALL (1) DC12-48-60-0-25E
- INSTALL (1) FIBER MANAGEMENT BOX

NOTE:
THE ELECTRICAL DESIGN FOR ADDITIONS AND/OR MODIFICATIONS TO THE EXISTING AC ELECTRICAL SYSTEM HAS BEEN PERFORMED BY SWARTLEY BROS. ENGINEERS, INC. THEY ARE SOLELY RESPONSIBLE FOR THE ELECTRICAL DESIGN. THEIR ELECTRICAL DESIGN, AS PROVIDED TO US, HAS BEEN ATTACHED TO THESE DRAWINGS.

APPLICABLE CODES/REFERENCE DOCUMENTS

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

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

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:	PAUL J. FORD AND COMPANY
DATED:	JUNE 10, 2020
MOUNT MODIFICATION ANALYSIS:	POD GROUP
DATED:	JUNE 8, 2020
RFDS REVISION:	-
DATED:	03/19/20
ORDER ID:	517105
REVISION:	0

INSTALLER NOTE:

NO PROPOSED LOADING TO BE ADDED UNTIL MOUNT MODIFICATIONS ARE INSTALLED PER MOUNT MODIFICATION DRAWINGS BY POD GROUP DATED JUNE 8, 2020.

NOTE:
PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN NOC AT (800) 788-7011 & CROWN CONSTRUCTION MANAGER.

CALL CONNECTICUT ONECALL
(800) 922-4455 CBYD.COM
CALL 2 WORKING DAYS BEFORE YOU DIG!

AT&T
575 MOROSGO DRIVE
ATLANTA, GA 30324-3300

CROWN CASTLE
3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065

AT&T SITE NUMBER: **CT5182**

BU #: **826222**
NEWTOWN/RT-25

201 SOUTH MAIN STREET
NEWTOWN, CT 06470

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	07/15/20	AMM	PRELIMINARY	VBA
0	08/17/20	AMM	CONSTRUCTION	MB

DocuSigned by:
Malvina Barriman
DB538FAA0C3A4E5...

STATE OF CONNECTICUT
MALVINA BARRIMAN
30501
LICENSED
PROFESSIONAL ENGINEER

Crown Castle USA Inc.
Certificate of Registration #PEC.0001101
8/17/2020 | 4:06:50 PM EDT

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

SHEET NUMBER:	REVISION:
T-1	0

DocuSign Envelope ID: 7F2A8C99-E0FC-46D7-9A09-C3FEAA8963A0

CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

1. NOTICE TO PROCEED– NO WORK SHALL COMMENCE PRIOR TO CROWN CASTLE USA INC. WRITTEN NOTICE TO PROCEED (NTP) AND THE ISSUANCE OF A PURCHASE ORDER. PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN CASTLE USA INC. NOC AT 800–788–7011 & THE CROWN CASTLE USA INC. CONSTRUCTION MANAGER.
2. "LOOK UP" – CROWN CASTLE USA INC. SAFETY CLIMB REQUIREMENT:
   THE INTEGRITY OF THE SAFETY CLIMB AND ALL COMPONENTS OF THE CLIMBING FACILITY SHALL BE CONSIDERED DURING ALL STAGES OF DESIGN, INSTALLATION, AND INSPECTION. TOWER MODIFICATION, MOUNT REINFORCEMENTS, AND/OR EQUIPMENT INSTALLATIONS SHALL NOT COMPROMISE THE INTEGRITY OR FUNCTIONAL USE OF THE SAFETY CLIMB OR ANY COMPONENTS OF THE CLIMBING FACILITY ON THE STRUCTURE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO: PINCHING OF THE WIRE ROPE, BENDING OF THE WIRE ROPE FROM ITS SUPPORTS, DIRECT CONTACT OR CLOSE PROXIMITY TO THE WIRE ROPE WHICH MAY CAUSE FRICTIONAL WEAR, IMPACT TO THE ANCHORAGE POINTS IN ANY WAY, OR TO IMPEDE/BLOCK ITS INTENDED USE. ANY COMPROMISED SAFETY CLIMB, INCLUDING EXISTING CONDITIONS MUST BE TAGGED OUT AND REPORTED TO YOUR CROWN CASTLE USA INC. POC OR CALL THE NOC TO GENERATE A SAFETY CLIMB MAINTENANCE AND CONTRACTOR NOTICE TICKET.
3. PRIOR TO THE START OF CONSTRUCTION, ALL REQUIRED JURISDICTIONAL PERMITS SHALL BE OBTAINED. THIS INCLUDES, BUT IS NOT LIMITED TO, BUILDING, ELECTRICAL, MECHANICAL, FIRE, FLOOD ZONE, ENVIRONMENTAL, AND ZONING. AFTER ONSITE ACTIVITIES AND CONSTRUCTION ARE COMPLETED, ALL REQUIRED PERMITS SHALL BE SATISFIED AND CLOSED OUT ACCORDING TO LOCAL JURISDICTIONAL REQUIREMENTS.
4. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN, AND SHALL MEET ANSI/ASSE A10.48 (LATEST EDITION); FEDERAL, STATE, AND LOCAL REGULATIONS; AND ANY APPLICABLE INDUSTRY CONSENSUS STANDARDS RELATED TO THE CONSTRUCTION ACTIVITIES BEING PERFORMED. ALL RIGGING PLANS SHALL ADHERE TO ANSI/ASSE A10.48 (LATEST EDITION) AND CROWN CASTLE USA INC. STANDARD CED–STD–10253, INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION, TO CERTIFY THE SUPPORTING STRUCTURE(S) IN ACCORDANCE WITH ANSI/TIA–322 (LATEST EDITION).
5. ALL SITE WORK TO COMPLY WITH QAS–STD–10068 "INSTALLATION STANDARDS FOR CONSTRUCTION ACTIVITIES ON CROWN CASTLE USA INC. TOWER SITE" AND LATEST VERSION OF ANSI/TIA–1019–A–2012 "STANDARD FOR INSTALLATION, ALTERATION, AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS."
6. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY CROWN CASTLE USA INC. PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
7. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
8. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
9. THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
10. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY CONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING AND EXCAVATION E) CONSTRUCTION SAFETY PROCEDURES.
11. ALL SITE WORK SHALL BE AS INDICATED ON THE STAMPED CONSTRUCTION DRAWINGS AND PROJECT SPECIFICATIONS, LATEST APPROVED REVISION.
12. CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH AT THE COMPLETION OF THE WORK. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
13. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR, TOWER OWNER, CROWN CASTLE USA INC., AND/OR LOCAL UTILITIES.
14. THE CONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE REQUIRED BY LOCAL JURISDICTION AND SIGNAGE REQUIRED ON INDIVIDUAL PIECES OF EQUIPMENT, ROOMS, AND SHELTERS.
15. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE CARRIER'S EQUIPMENT AND TOWER AREAS.
16. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
17. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION AS SPECIFIED ON THE CONSTRUCTION DRAWINGS AND/OR PROJECT SPECIFICATIONS.
18. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
19. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
20. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
21. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.
22. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.

GENERAL NOTES:

1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
   CONTRACTOR: GENERAL CONTRACTOR RESPONSIBLE FOR CONSTRUCTION
   CARRIER: AT&T
   TOWER OWNER: CROWN CASTLE USA INC.
2. THESE DRAWINGS HAVE BEEN PREPARED USING STANDARDS OF PROFESSIONAL CARE AND COMPLETENESS NORMALLY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY REPUTABLE ENGINEERS IN THIS OR SIMILAR LOCALITIES. IT IS ASSUMED THAT THE WORK DEPICTED WILL BE PERFORMED BY AN EXPERIENCED CONTRACTOR AND/OR WORKPEOPLE WHO HAVE A WORKING KNOWLEDGE OF THE APPLICABLE CODE STANDARDS AND REQUIREMENTS AND OF INDUSTRY ACCEPTED STANDARD GOOD PRACTICE. AS NOT EVERY CONDITION OR ELEMENT IS (OR CAN BE) EXPLICITLY SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL USE INDUSTRY ACCEPTED STANDARD GOOD PRACTICE FOR MISCELLANEOUS WORK NOT EXPLICITLY SHOWN.
3. THESE DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY FOR PROTECTION OF LIFE AND PROPERTY DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, FORMWORK, SHORING, ETC. SITE VISITS BY THE ENGINEER OR HIS REPRESENTATIVE WILL NOT INCLUDE INSPECTION OF THESE ITEMS AND IS FOR STRUCTURAL OBSERVATION OF THE FINISHED STRUCTURE ONLY.
4. NOTES AND DETAILS IN THE CONSTRUCTION DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT, AND/OR AS PROVIDED FOR IN THE CONTRACT DOCUMENTS. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL NOTES, AND SPECIFICATIONS, THE GREATER, MORE STRICT REQUIREMENTS, SHALL GOVERN. IF FURTHER CLARIFICATION IS REQUIRED CONTACT THE ENGINEER OF RECORD.
5. SUBSTANTIAL EFFORT HAS BEEN MADE TO PROVIDE ACCURATE DIMENSIONS AND MEASUREMENTS ON THE DRAWINGS TO ASSIST IN THE FABRICATION AND/OR PLACEMENT OF CONSTRUCTION ELEMENTS BUT IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THE DIMENSIONS, MEASUREMENTS, AND/OR CLEARANCES SHOWN IN THE CONSTRUCTION DRAWINGS PRIOR TO FABRICATION OR CUTTING OF ANY NEW OR EXISTING CONSTRUCTION ELEMENTS. IF IT IS DETERMINED THAT THERE ARE DISCREPANCIES AND/OR CONFLICTS WITH THE CONSTRUCTION DRAWINGS THE ENGINEER OF RECORD IS TO BE NOTIFIED AS SOON AS POSSIBLE.
6. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING CONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CROWN CASTLE.
7. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
8. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
9. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
10. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CARRIER AND CROWN CASTLE PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
11. CONTRACTOR IS TO PERFORM A SITE INVESTIGATION AND IS TO DETERMINE THE BEST ROUTING OF ALL CONDUITS FOR POWER, AND TELCO AND FOR GROUNDING CABLES AS SHOWN IN THE POWER, TELCO, AND GROUNDING PLAN DRAWINGS.
12. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF CROWN CASTLE USA INC.
13. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
14. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184, ASTM A185 AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST–IN–PLACE CONCRETE.
2. UNLESS NOTED OTHERWISE, SOIL BEARING PRESSURE USED FOR DESIGN OF SLABS AND FOUNDATIONS IS ASSUMED TO BE 1000 psf.
3. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (f'c) OF 3000 psi AT 28 DAYS, UNLESS NOTED OTHERWISE. NO MORE THAN 90 MINUTES SHALL ELAPSE FROM BATCH TIME TO TIME OF PLACEMENT UNLESS APPROVED BY THE ENGINEER OF RECORD. TEMPERATURE OF CONCRETE SHALL NOT EXCEED 90ºf AT TIME OF PLACEMENT.
4. CONCRETE EXPOSED TO FREEZE–THAW CYCLES SHALL CONTAIN AIR ENTRAINING ADMIXTURES. AMOUNT OF AIR ENTRAINMENT TO BE BASED ON SIZE OF AGGREGATE AND F3 CLASS EXPOSURE (VERY SEVERE). CEMENT USED TO BE TYPE II PORTLAND CEMENT WITH A MAXIMUM WATER–TO–CEMENT RATIO (W/C) OF 0.45.
5. ALL STEEL REINFORCING SHALL CONFORM TO ASTM A615. ALL WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A185. ALL SPLICES SHALL BE CLASS "B" TENSION SPLICES, UNLESS NOTED OTHERWISE. ALL HOOKS SHALL BE STANDARD 90 DEGREE HOOKS, UNLESS NOTED OTHERWISE. YIELD STRENGTH (Fy) OF STANDARD DEFORMED BARS ARE AS FOLLOWS:
   #4 BARS AND SMALLER ..... 40 ksi
   #5 BARS AND LARGER ..... 60 ksi
6. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:
   CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH ..... 3"
   CONCRETE EXPOSED TO EARTH OR WEATHER:
   #6 BARS AND LARGER ..... 2"
   #5 BARS AND SMALLER ..... 1–1/2"
   CONCRETE NOT EXPOSED TO EARTH OR WEATHER: .....
   SLAB AND WALLS ..... 3/4".
   BEAMS AND COLUMNS ..... 1–1/2"
7. A TOOLED EDGE OR A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNLESS NOTED OTHERWISE, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4. .....

GREENFIELD GROUNDING NOTES:

1. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER GES'S) SHALL BE BONDED TOGETHER AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
2. THE CONTRACTOR SHALL PERFORM IEEE FALL–OF–POTENTAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR GROUND ELECTRODE SYSTEMS, THE CONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
3. THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT AND PROVIDE TESTING RESULTS.
4. METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
5. METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
6. EACH CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, #6 STRANDED COPPER OR LARGER FOR INDOOR BTS; #2 BARE SOLID TINNED COPPER FOR OUTDOOR BTS.
7. CONNECTIONS TO THE GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED BACK TO BACK CONNECTIONS ON OPPOSITE SIDE OF THE GROUND BUS ARE PERMITTED.
8. ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/GROUND BARS AND THE GROUND RING SHALL BE #2 SOLID TINNED COPPER UNLESS OTHERWISE INDICATED.
9. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
10. USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED.
11. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
12. ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR AND EXTERIOR) SHALL BE FORMED USING HIGH PRESS CRIMPS.
13. COMPRESSION GROUND CONNECTIONS MAY BE REPLACED BY EXOTHERMIC WELD CONNECTIONS.
14. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED TO THE BRIDGE AND THE TOWER GROUND BAR.
15. APPROVED ANTIOXIDANT COATINGS (i.e. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
16. ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.
17. MISCELLANEOUS ELECTRICAL AND NON–ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
18. BOND ALL METALLIC OBJECTS WITHIN 6 ft OF MAIN GROUND RING WITH (1) #2 BARE SOLID TINNED COPPER GROUND CONDUCTOR.
19. GROUND CONDUCTORS USED FOR THE FACILITY GROUNDING AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS. WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS, NON–METALLIC MATERIAL SUCH AS PVC CONDUIT SHALL BE USED. WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (i.e., NONMETALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.
20. ALL GROUNDS THAT TRANSITION FROM BELOW GRADE TO ABOVE GRADE MUST BE #2 BARE SOLID TINNED COPPER IN 3/4" NON–METALLIC FLEXIBLE CONDUIT FROM 24" BELOW GRADE TO WITHIN 3" TO 6" OF CAD–WELD TERMINATION POINT. THE EXPOSED END OF THE CONDUIT MUST BE SEALED WITH SILICONE CAULK. (ADD TRANSITIONING GROUND STANDARD DETAIL AS WELL).
21. BUILDINGS WHERE THE MAIN GROUNDING CONDUCTORS ARE REQUIRED TO BE ROUTED TO GRADE, THE CONTRACTOR SHALL ROUTE TWO GROUNDING CONDUCTORS FROM THE ROOFTOP, TOWERS, AND WATER TOWERS GROUNDING RING, TO THE EXISTING GROUNDING SYSTEM, THE GROUNDING CONDUCTORS SHALL NOT BE SMALLER THAN 2/0 COPPER. ROOFTOP GROUNDING RING SHALL BE BONDED TO THE EXISTING GROUNDING SYSTEM, THE BUILDING STEEL COLUMNS, LIGHTNING PROTECTION SYSTEM, AND BUILDING MAIN WATER LINE (FERROUS OR NONFERROUS METAL PIPING ONLY).

ELECTRICAL INSTALLATION NOTES:

1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.
2. CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ELIMINATED.
3. WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC.
4. ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.
   4.1. ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO REQUIREMENT OF THE NATIONAL ELECTRICAL CODE.
   4.2. ALL OVERCURRENT DEVICES SHALL HAVE AN INTERRUPTING CURRENT RATING THAT SHALL BE GREATER THAN THE SHORT CIRCUIT CURRENT TO WHICH THEY ARE SUBJECTED, 22,000 AIC MINIMUM. VERYIFY AVAILABLE SHORT CIRCUIT CURRENT DOES NOT EXCEED THE RATING OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ARTICLE 110.24 NEC OR THE MOST CURRENT ADOPTED CODE PRE THE GOVERNING JURISDICTION.
5. EACH END OF EVERY POWER PHASE CONDUCTOR, GROUNDING CONDUCTOR, AND TELCO CONDUCTOR OR CABLE SHALL BE LABELED WITH COLOR–CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2" PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC AND OSHA.
6. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH LAMICOID TAGS SHOWING THEIR RATED VOLTAGE, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (i.e. PANEL BOARD AND CIRCUIT ID'S).
7. PANEL BOARDS (ID NUMBERS) SHALL BE CLEARLY LABELED WITH PLASTIC LABELS.
8. ALL TIE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.
9. ALL POWER AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE COPPER CONDUCTOR (#14 OR LARGER) WITH TYPE THHW, THWN, THWN–2, XHHW, XHHW–2, THW, THW–2, RHW, OR RHW–2 INSULATION UNLESS OTHERWISE SPECIFIED.
10. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE COPPER CONDUCTOR (#6 OR LARGER) WITH TYPE THHW, THWN, THWN–2, XHHW, XHHW–2, THW, THW–2, RHW, OR RHW–2 INSULATION UNLESS OTHERWISE SPECIFIED.
11. POWER AND CONTROL WIRING IN FLEXIBLE CORD SHALL BE MULTI–CONDUCTOR, TYPE SOOW CORD (#14 OR LARGER) UNLESS OTHERWISE SPECIFIED.
12. POWER AND CONTROL WIRING FOR USE IN CABLE TRAY SHALL BE MULTI–CONDUCTOR, TYPE TC CABLE (#14 OR LARGER), WITH TYPE THHW, THWN, THWN–2, XHHW, XHHW–2, THW, THW–2, RHW, OR RHW–2 INSULATION UNLESS OTHERWISE SPECIFIED.
13. ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP–STYLE, COMPRESSION WIRE LUGS AND WIRE NUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRE NUTS SHALL BE RATED FOR OPERATION NOT LESS THAN 75° C (90° C IF AVAILABLE).
14. RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND NEC.
15. ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR RIGID METAL CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
16. ELECTRICAL METALLIC TUBING (EMT) OR METAL–CLAD CABLE (MC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
17. SCHEDULE 40 PVC UNDERGROUND ON STRAIGHTS AND SCHEDULE 80 PVC FOR ALL ELBOWS/90s AND ALL APPROVED ABOVE GRADE PVC CONDUIT.
18. LIQUID–TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID–TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
19. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION–TYPE AND APPROVED FOR THE LOCATION USED. SET SCREW FITTINGS ARE NOT ACCEPTABLE.
20. CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND THE NEC.
21. WIREWAYS SHALL BE METAL WITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS (WIREMOLD SPECMATE WIREWAY).
22. SLOTTED WIRING DUCT SHALL BE PVC AND INCLUDE COVER (PANDUIT TYPE E OR EQUAL).
23. CONDUITS SHALL BE FASTENED SECURELY IN PLACE WITH APPROVED NON–PERFORATED STRAPS AND HANGERS. EXPLOSIVE DEVICES (i.e. POWDER–ACTUATED) FOR ATTACHING HANGERS TO STRUCTURE WILL NOT BE PERMITTED. CLOSELY FOLLOW THE LINES OF THE STRUCTURE, MAINTAIN CLOSE PROXIMITY TO THE STRUCTURE AND KEEP CONDUITS IN TIGHT ENVELOPES. CHANGES IN DIRECTION SHALL BE AROUND OBSTRUCTIONS AND SHALL BE MADE WITH CONDUIT OUTLET BODIES. CONDUIT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. PARALLEL AND PERPENDICULAR TO STRUCTURE WALL AND CEILING LINES. ALL CONDUIT SHALL BE FISHED TO CLEAR OBSTRUCTIONS. ENDS OF CONDUITS SHALL BE TEMPORARILY CAPPED FLUSH TO FINISH GRADE TO PREVENT CONCRETE, PLASTER OR DIRT FROM ENTERING. CONDUITS SHALL BE RIGIDLY CLAMPED TO BOXES BY GALVANIZED MALLEABLE IRON LOCKNUT ON INSIDE AND GALVANIZED MALLEABLE IRON LOCKNUT ON OUTSIDE AND INSIDE.
24. EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES AND PULL BOXES SHALL BE GALVANIZED OR EPOXY–COATED SHEET STEEL. SHALL MEET OR EXCEED UL 50 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND NEMA 3R (OR BETTER) FOR EXTERIOR LOCATIONS.
25. METAL RECEPTACLE, SWITCH AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY–COATED OR NON–CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
26. NONMETALLIC RECEPTACLE, SWITCH AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2 (NEWEST REVISION) AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
27. THE CONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CARRIER AND/OR CROWN CASTLE USA INC. BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
28. THE CONTRACTOR SHALL PROVIDE NECESSARY GROUNDING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD LIFE AND PROPERTY.
29. INSTALL LAMICOID LABEL ON THE METER CENTER TO SHOW "AT&T".
30. ALL EMPTY/SPARE CONDUITS THAT ARE INSTALLED ARE TO HAVE A METERED MULE TAPE PULL CORD INSTALLED.

CONDUCTOR COLOR CODE

SYSTEM	CONDUCTOR	COLOR
120/240V, 1Ø	A PHASE	BLACK
	B PHASE	RED
	NEUTRAL	WHITE
	GROUND	GREEN
120/208V, 3Ø	A PHASE	BLACK
	B PHASE	RED
	C PHASE	BLUE
	NEUTRAL	WHITE
	GROUND	GREEN
277/480V, 3Ø	A PHASE	BROWN
	B PHASE	ORANGE OR PURPLE
	C PHASE	YELLOW
	NEUTRAL	GREY
	GROUND	GREEN
DC VOLTAGE	POS (+)	RED**
	NEG (–)	BLACK**

* SEE NEC 210.5(C)(1) AND (2)
** POLARITY MARKED AT TERMINATION

APWA UNIFORM COLOR CODE:

WHITE	PROPOSED EXCAVATION
PINK	TEMPORARY SURVEY MARKINGS
RED	ELECTRIC POWER LINES

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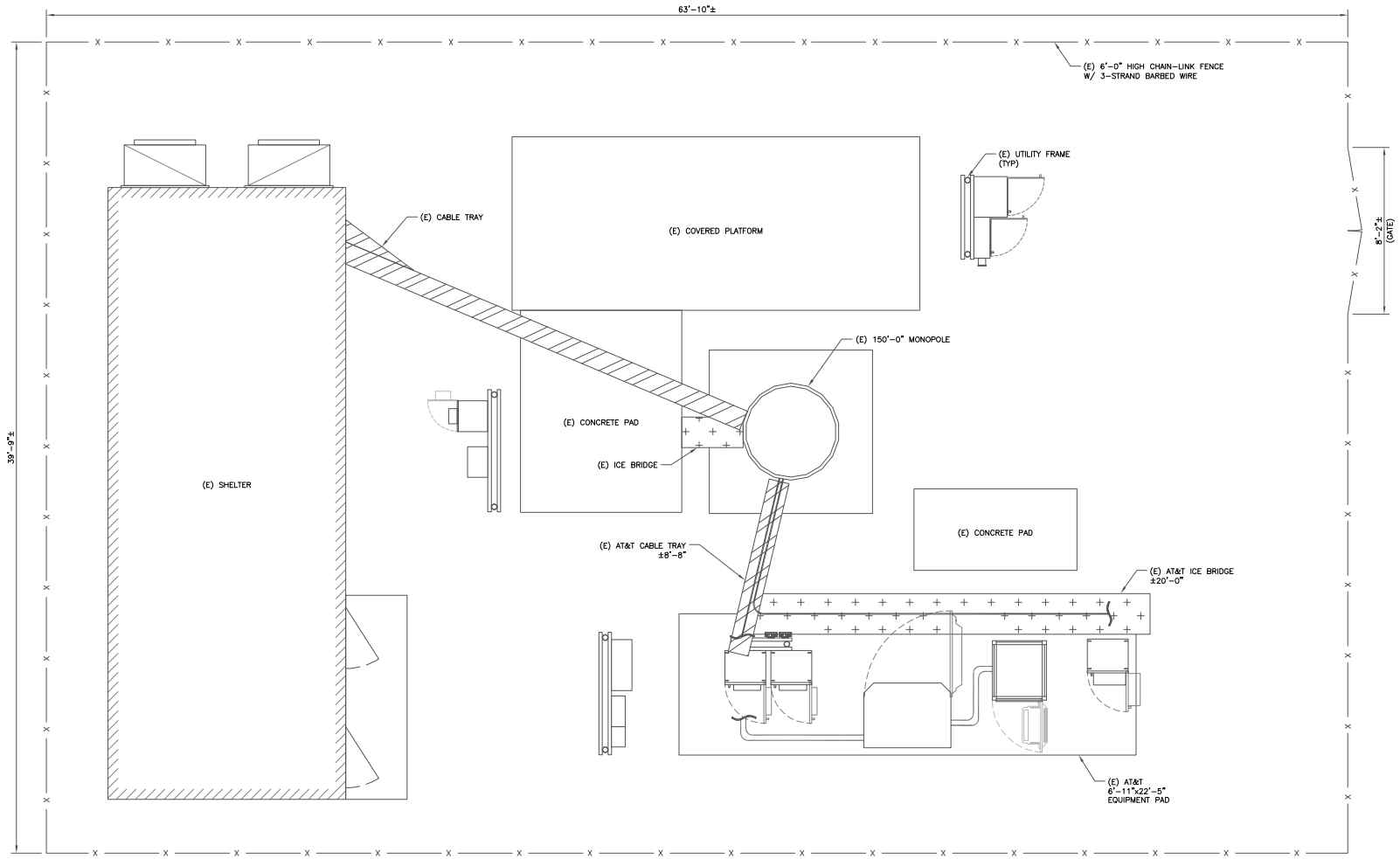

1 SITE PLAN
SCALE: 4' 2' 0 4' 3/16"=1'-0" (FULL SIZE) 3/32"=1'-0" (11x17)

N

AT&T
575 MOROSGO DRIVE
ATLANTA, GA 30324-3300

CROWN CASTLE
3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065

AT&T SITE NUMBER: **CT5182**

BU #: **826222**
NEWTOWN/RT-25

201 SOUTH MAIN STREET
NEWTOWN, CT 06470

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES/QA
A	07/15/20	ASM	PRELIMINARY	VRA
0	08/17/20	ASM	CONSTRUCTION	MB

DocuSigned by:
Mahmoud Barimani
DR838CAA0C1A4BD...

STATE OF CONNECTICUT
MAHMOUD BARIMANI
30501
LICENSED
PROFESSIONAL ENGINEER

Crown Castle USA Inc.
Certificate of Registration #PEC.0001101
8/17/2020 | 4:06:50 PM EDT

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

SHEET NUMBER:	REVISION:
C-1.1	0

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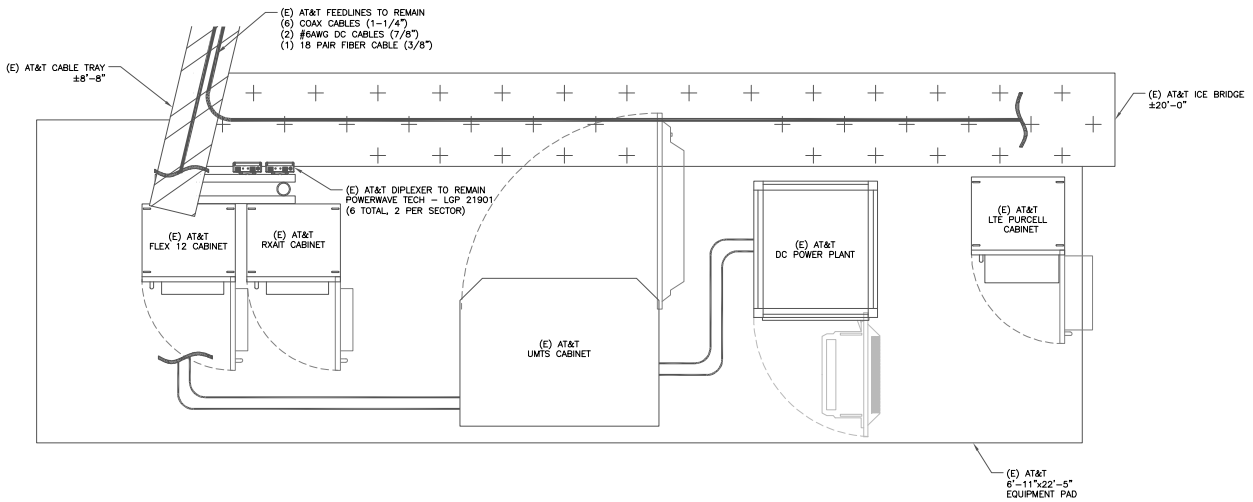

1 EXISTING EQUIPMENT PLAN
SCALE: 3/4"=1'-0" (FULL SIZE)
3/8"=1'-0" (11x17)

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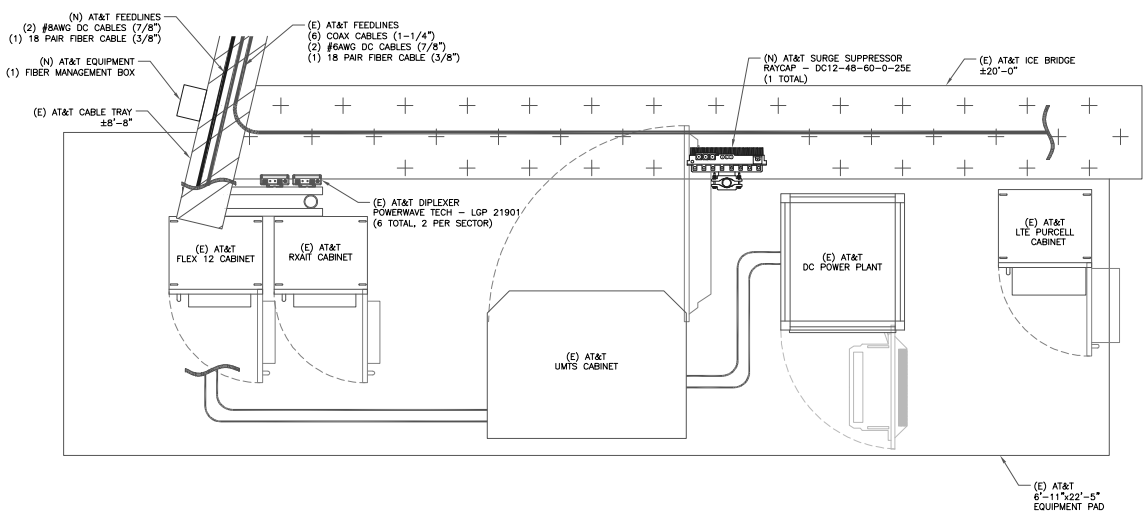

2 FINAL EQUIPMENT PLAN
SCALE: 3/4"=1'-0" (FULL SIZE)
3/8"=1'-0" (11x17)

N

GROUND SCOPE OF WORK:

- INSTALL (1) 6630 + IDLE
- INSTALL (1) DC12-48-60-0-25E
- INSTALL (1) FIBER MANAGEMENT BOX

AT&T
575 MOROSGO DRIVE
ATLANTA, GA 30324-3300

CROWN CASTLE
3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065

AT&T SITE NUMBER: **CT5182**

BU #: **826222**
NEWTOWN/RT-25

201 SOUTH MAIN STREET
NEWTOWN, CT 06470

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES/QA
A	07/15/20	ASM	PRELIMINARY	VRA
0	08/17/20	ASM	CONSTRUCTION	MB

DocuSigned by:
Malvern Barmani
DR38CAAD0C1B4BD...

STATE OF CONNECTICUT
MALVERN BARMANI
30501
LICENSED
PROFESSIONAL ENGINEER

Crown Castle USA Inc.
Certificate of Registration #PEC.0001101
8/17/2020 | 4:06:50 PM EDT

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REVISION: 0

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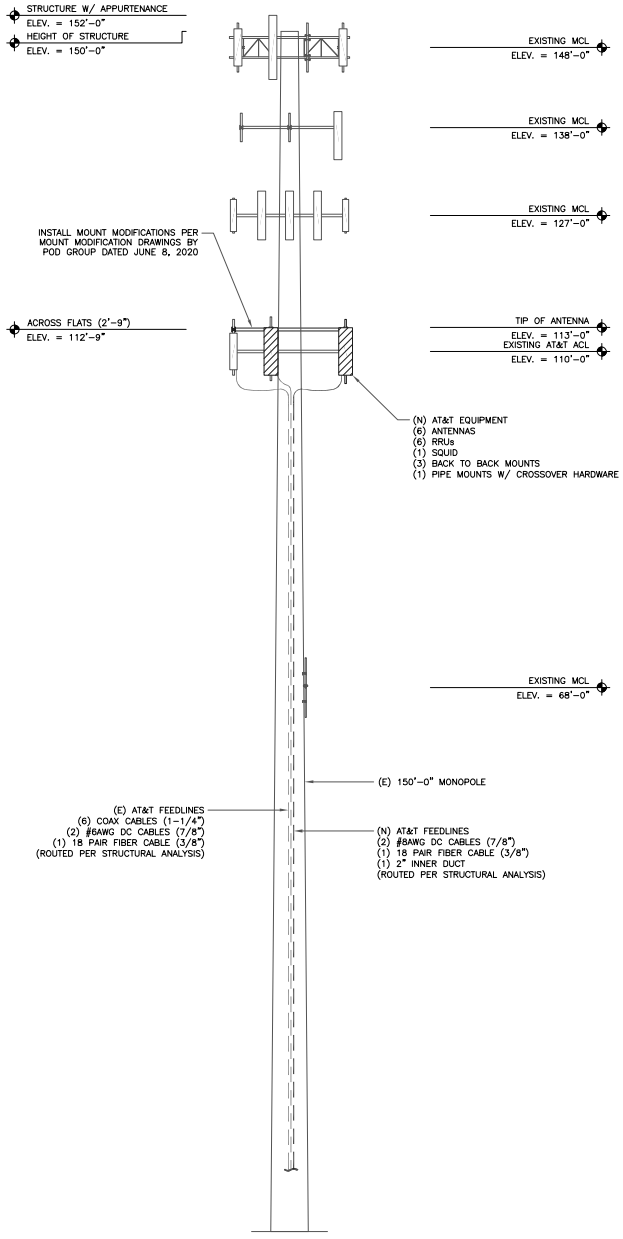
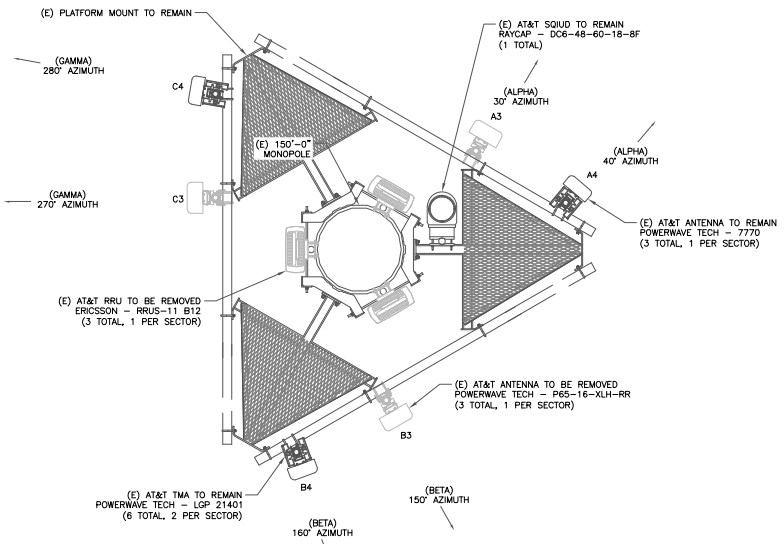
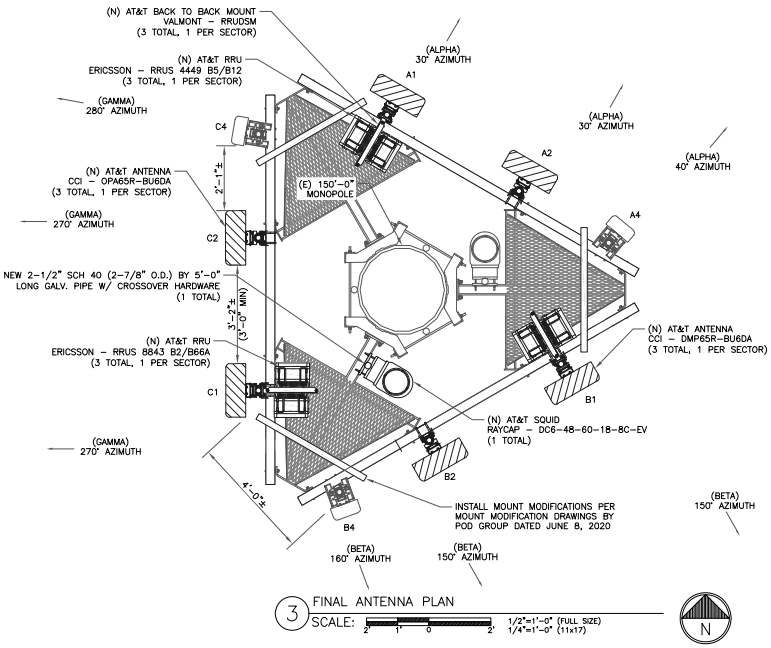


1 FINAL ELEVATION
SCALE: NOT TO SCALE



2 EXISTING ANTENNA PLAN
SCALE: 1/2"=1'-0" (FULL SIZE) 1/4"=1'-0" (11x17)



3 FINAL ANTENNA PLAN
SCALE: 1/2"=1'-0" (FULL SIZE) 1/4"=1'-0" (11x17)

"LOOK UP" – CROWN CASTLE USA INC. SAFETY CLIMB REQUIREMENT:

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

INSTALLER NOTES:

1. REFERENCE C-3 FOR FINAL EQUIPMENT SCHEDULE.
2. REFERENCE C-4.1 FOR NEW EQUIPMENT SPECIFICATIONS.
3. CONTRACTOR TO VERIFY ALL ANTENNA TIP HEIGHTS DO NOT EXCEED BEACON BASE HEIGHT.
4. 3'-0" MINIMUM DISTANCE REQUIRED BETWEEN LTE ANTENNAS ON SAME SECTOR.
5. 6'-0" MINIMUM DISTANCE REQUIRED BETWEEN 700BC & 700DE ANTENNAS ON SAME SECTOR.
6. 4'-0" MINIMUM DISTANCE REQUIRED BETWEEN LTE 700 ANTENNAS ON OPPOSING SECTORS.
7. ALL ANTENNA MEASUREMENT DISTANCES MUST BE EDGE TO EDGE (RELOCATE ANTENNAS AS NEEDED).
8. 8" MINIMUM DISTANCE REQUIRED BETWEEN ANTENNA & RADIO. SEE GENERIC EXAMPLE DETAIL ON SHEET C-4.1.

AT&T
575 MOROSGO DRIVE
ATLANTA, GA 30324-3300

CROWN CASTLE
3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065

AT&T SITE NUMBER: **CT5182**

BU #: **826222**
NEWTOWN/RT-25

201 SOUTH MAIN STREET
NEWTOWN, CT 06470

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES/QA
A	07/15/20	ADM	PRELIMINARY	VRA
0	08/17/20	ADM	CONSTRUCTION	MB

DocuSigned by:
Malvern Barimani
DR38C4CAD3C04BD...

STATE OF CONNECTICUT
MALVERN BARIMANI
30501
LICENSED
PROFESSIONAL ENGINEER

Crown Castle USA Inc.
Certificate of Registration #PEC.0001101
8/17/2020 | 4:06:50 PM EDT

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SHEET NUMBER: C-2
REVISION: 0

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FINAL EQUIPMENT SCHEDULE
(VERIFY WITH CURRENT RFDS)

POSITION	ANTENNA				RADIO			DIPLEXER			TMA			SURGE PROTECTION		CABLES			
	TECH.	STATUS/MANUFACTURER MODEL	AZIMUTH	RAD CENTER	QTY.	STATUS/MODEL	LOCATION	QTY.	STATUS	LOCATION	QTY.	STATUS	QTY.	STATUS/MODEL	QTY.	STATUS/TYPE	SIZE	LENGTH
ALPHA																		
A1	LTE/5G	(N) CCI DMP65R-BU6DA	30°	110'-0"	1	(N) RRUS 4449 B5/B12	TOWER	–	–	–	–	–	–	–	–	–	–	–
					1	(N) RRUS 8843 B2/B66A	TOWER											
A2	LTE	(N) CCI OPA65R-BU6DA	30°	110'-0"	–	–	–	–	–	–	–	–	–	–	–	–	–	–
A3	–	–	–	–	–	–	–	–	–	–	–	–	1	(E) DC6-48-60-18-8F	2	(E) #6AWG DC	7/8"	160'-0"
															1	(E) 18 PAIR FIBER	3/8"	160'-0"
A4	UMTS	(E) POWERWAVE TECH 7770	40°	110'-0"	–	–	–	2	(E)	GROUND	2	(E)	–	–	2	(E) COAX	1-1/4"	160'-0"
BETA																		
B1	LTE/5G	(N) CCI DMP65R-BU6DA	150°	110'-0"	1	(N) RRUS 4449 B5/B12	TOWER	–	–	–	–	–	–	–	–	–	–	–
					1	(N) RRUS 8843 B2/B66A	TOWER											
B2	LTE	(N) CCI OPA65R-BU6DA	150°	110'-0"	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B3	–	–	–	–	–	–	–	–	–	–	–	–	1	(N) DC6-48-60-18-8C-EV	2	(N) #6AWG DC	7/8"	160'-0"
															1	(N) 18 PAIR FIBER	3/8"	160'-0"
B4	UMTS	(E) POWERWAVE TECH 7770	160°	110'-0"	–	–	–	2	(E)	GROUND	2	(E)	–	–	2	(E) COAX	1-1/4"	160'-0"
GAMMA																		
C1	LTE/5G	(N) CCI DMP65R-BU6DA	270°	110'-0"	1	(N) RRUS 4449 B5/B12	TOWER	–	–	–	–	–	–	–	–	–	–	–
					1	(N) RRUS 8843 B2/B66A	TOWER											
C2	LTE	(N) CCI OPA65R-BU6DA	270°	110'-0"	–	–	–	–	–	–	–	–	–	–	–	–	–	–
C3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
C4	UMTS	(E) POWERWAVE TECH 7770	280°	110'-0"	–	–	–	2	(E)	GROUND	2	(E)	–	–	2	(E) COAX	1-1/4"	160'-0"

NOTE:
(E) – EXISTING
(N) – NEW

1 FINAL EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

AT&T
575 MOROSGO DRIVE
ATLANTA, GA 30324-3300

CROWN CASTLE
3 CORPORATE PARK DRIVE, SUITE 101
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DocuSigned by:
Malvern Barimani
DB83B3AFAD0C4BD...

STATE OF CONNECTICUT
MALVERN BARIMANI
30501
LICENSED
PROFESSIONAL ENGINEER

Crown Castle USA Inc.
Certificate of Registration #PEC.0001101
8/17/2020 | 4:06:50 PM EDT

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C-3	0

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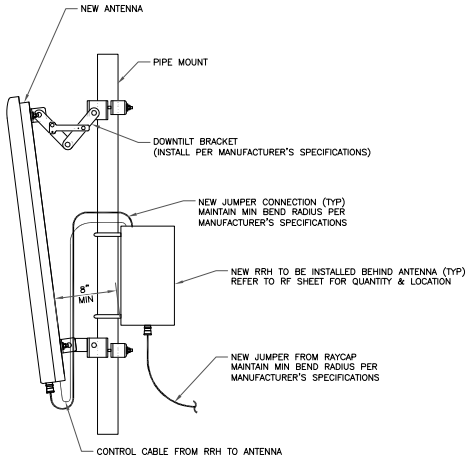
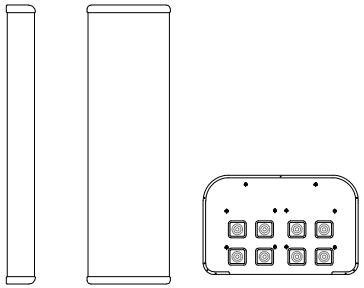
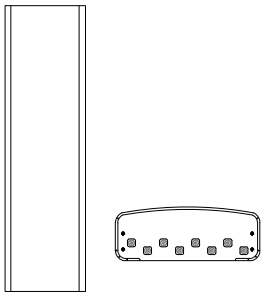


1 GENERIC ANTENNA MOUNTING ELEVATION
SCALE: NOT TO SCALE



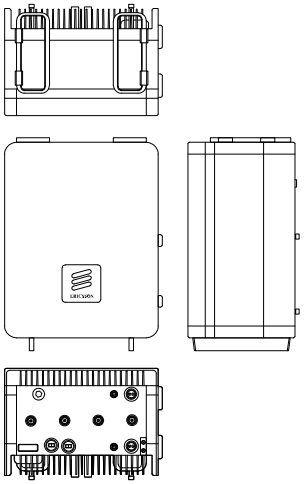
CCI ANTENNAS – OPA65R–BU6DA
WEIGHT (WITHOUT MOUNTING HARDWARE): 63.5 LBS
SIZE (HxWxD): 71.2x21x7.8 IN.
MOUNTING HARDWARE P/N: MBK–01
RATED WIND VELOCITY: 150.0 MPH

2 CCI ANTENNAS – OPA65R–BU6DA
SCALE: NOT TO SCALE



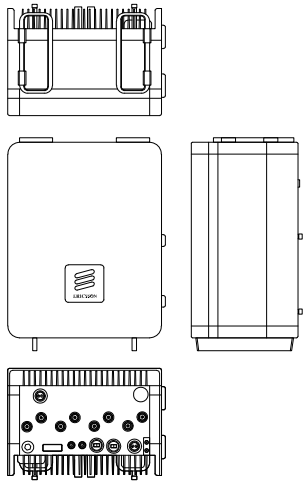
CCI ANTENNAS – DMP65R–BU6DA
WEIGHT (WITHOUT MOUNTING HARDWARE): 89.3 LBS
SIZE (HxWxD): 71.2x20.7x7.7 IN.

3 CCI ANTENNAS – DMP65R–BU6DA
SCALE: NOT TO SCALE



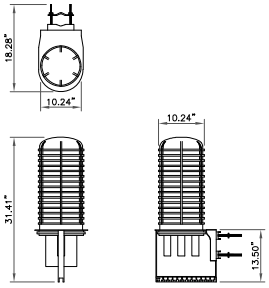
ERICSSON – RRUS 4449 B5/B12
WEIGHT: 70.0 LBS
SIZE (HxWxD): 18.0x13.2x9.4 IN.

4 ERICSSON – RRUS 4449 B5/B12
SCALE: NOT TO SCALE



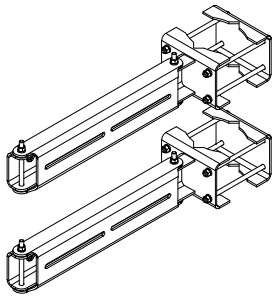
ERICSSON – RRUS 8843 B2/B66A
WEIGHT: 70.0 LBS
SIZE (HxWxD): 18.0x13.2x9.4 IN.

5 ERICSSON – RRUS 8843 B2/B66A
SCALE: NOT TO SCALE



RAYCAP – DC6–48–60–18–8C–EV
WEIGHT (WITHOUT MOUNTING HARDWARE): 16.0 LBS
SIZE (HxWxD): 31.4x10.24x18.28 IN.

6 RAYCAP – DC6–48–60–18–8C–EV
SCALE: NOT TO SCALE



7 BACK TO BACK MOUNT KIT
SCALE: NOT TO SCALE

AT&T
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DocuSigned by:
Malvin Barimani
DR838CAC6C1A4BD...

STATE OF CONNECTICUT
MALVIN BARIMANI
30501
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Certificate of Registration #PEC.0001101
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Table 1: E. PA / S.NJ / DE --- COAX Color Code Definition

Sector	Alpha			
	A - Split	GREEN	ORANGE	Blank
	Beta		Blue	
	B - Split	BLUE	BROWN	Blank
	Gamma		White	
	C - Split	WHITE	VIOLET	Blank
	D		ORANGE	
	E		BROWN	
	F		VIOLET	

DC Trunk / DC Jumper / First Fiber Jumper

Frequency Band				
	700 (B/C)		VIOLET	
	850		YELLOW	
	850 - 2nd Block	YELLOW	YELLOW	Blank
	1900 (PCS)		RED	
	1900 (PCS) - 2nd Block	RED	RED	Blank
	2100 (AWS)		ORANGE	
	2100 (AWS) - 2nd Block	ORANGE	ORANGE	Blank
	2300 (WCS)		BROWN	
	2300 (WCS) - 2nd Block	BROWN	BROWN	Blank
	2300 (WCS) - SKM Repeater	BROWN	BROWN	BROWN
	700 (D/E)		SLATE	
	700 First Net	VIOLET	BLUE	Blank
	700 (B/C) / 700 First Net (Dual RRH)	VIOLET	VIOLET	BLUE
	1900 (PCS) / 2100 (AWS) (Dual RRH)	RED	ORANGE	Blank

The left color codes are also true for DC Trunks at the raycap, interior and exterior hatch plate, transition up a structure, and before entering the surge protection on the tower. Power and fiber jumpers are to have one band of sector designation when exiting surge protection on the tower and at the RRH. Second Fiber Jumpers (Airscale RRH's ONLY) are to have two bands of sector designation when exiting surge protection on the tower and at the RRH.

1 FIBER COLOR CODE
SCALE: NOT TO SCALE

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Sector	Technology	Frequency Band	Color Code - Sector Designation for Sector Split	Color Code - Sector (Amount of Bands Based On Position)	Color Code - Frequency		45 + Coax	45 - Coax
A	LTE	700 B/C	Blank	GREEN	VIOLET	Blank	YELLOW	Blank
A	LTE	850	Blank	GREEN	YELLOW	Blank	YELLOW	Blank
A	LTE	850 - 2nd Block	Blank	GREEN	YELLOW / YELLOW	Blank	YELLOW	Blank
A	LTE	1900	Blank	GREEN	RED	Blank	YELLOW	Blank
A	LTE	1900 - 2nd Block	Blank	GREEN	RED / RED	Blank	YELLOW	Blank
A	LTE	2100	Blank	GREEN	ORANGE	Blank	YELLOW	Blank
A	LTE	2100 - 2nd Block	Blank	GREEN	ORANGE / ORANGE	Blank	YELLOW	Blank
A	LTE	700 D/E	Blank	GREEN	SLATE	Blank	YELLOW	Blank
A	LTE	2300	Blank	GREEN	BROWN	Blank	YELLOW	Blank
A	LTE	2300 - 2nd Block	Blank	GREEN	BROWN / BROWN	Blank	YELLOW	Blank
A	LTE	2300 - SXM Repeater	Blank	GREEN	BROWN / BROWN	BROWN	YELLOW	Blank
A	LTE	700 - FirstNet	Blank	GREEN	VIOLET / BLUE	Blank	YELLOW	Blank
A	LTE	700 (B/C) / 700 First Net (Dual RRH)	Blank	GREEN	VIOLET / VIOLET	BLUE	YELLOW	Blank
A	LTE	1900 (PCS) / 2100 (AWS) (Dual RRH)	Blank	GREEN	RED / ORANGE	Blank	YELLOW	Blank
A - Split	LTE	700 B/C	GREEN	ORANGE	VIOLET	Blank	YELLOW	Blank
A - Split	LTE	850	GREEN	ORANGE	YELLOW	Blank	YELLOW	Blank
A - Split	LTE	850 - 2nd Block	GREEN	ORANGE	YELLOW / YELLOW	Blank	YELLOW	Blank
A - Split	LTE	1900	GREEN	ORANGE	RED	Blank	YELLOW	Blank
A - Split	LTE	1900 - 2nd Block	GREEN	ORANGE	RED / RED	Blank	YELLOW	Blank
A - Split	LTE	2100	GREEN	ORANGE	ORANGE	Blank	YELLOW	Blank
A - Split	LTE	2100 - 2nd Block	GREEN	ORANGE	ORANGE / ORANGE	Blank	YELLOW	Blank
A - Split	LTE	700 D/E	GREEN	ORANGE	SLATE	Blank	YELLOW	Blank
A - Split	LTE	2300	GREEN	ORANGE	BROWN	Blank	YELLOW	Blank
A - Split	LTE	2300 - 2nd Block	GREEN	ORANGE	BROWN / BROWN	Blank	YELLOW	Blank
A - Split	LTE	2300 - SXM Repeater	GREEN	ORANGE	BROWN / BROWN	BROWN	YELLOW	Blank
A - Split	LTE	700 - FirstNet	GREEN	ORANGE	VIOLET / BLUE	Blank	YELLOW	Blank
A - Split	LTE	700 (B/C) / 700 First Net (Dual RRH)	GREEN	ORANGE	VIOLET / VIOLET	BLUE	YELLOW	Blank
A - Split	LTE	1900 (PCS) / 2100 (AWS) (Dual RRH)	GREEN	ORANGE	RED / ORANGE	Blank	YELLOW	Blank
B	LTE	700 B/C	Blank	BLUE	VIOLET	Blank	YELLOW	Blank
B	LTE	850	Blank	BLUE	YELLOW	Blank	YELLOW	Blank
B	LTE	850 - 2nd Block	Blank	BLUE	YELLOW / YELLOW	Blank	YELLOW	Blank
B	LTE	1900	Blank	BLUE	RED	Blank	YELLOW	Blank
B	LTE	1900 - 2nd Block	Blank	BLUE	RED / RED	Blank	YELLOW	Blank
B	LTE	2100	Blank	BLUE	ORANGE	Blank	YELLOW	Blank
B	LTE	2100 - 2nd Block	Blank	BLUE	ORANGE / ORANGE	Blank	YELLOW	Blank
B	LTE	700 D/E	Blank	BLUE	SLATE	Blank	YELLOW	Blank
B	LTE	2300	Blank	BLUE	BROWN	Blank	YELLOW	Blank
B	LTE	2300 - 2nd Block	Blank	BLUE	BROWN / BROWN	Blank	YELLOW	Blank
B	LTE	2300 - SXM Repeater	Blank	BLUE	BROWN / BROWN	BROWN	YELLOW	Blank
B	LTE	700 - FirstNet	Blank	BLUE	VIOLET / BLUE	Blank	YELLOW	Blank
B	LTE	700 (B/C) / 700 First Net (Dual RRH)	Blank	BLUE	VIOLET / VIOLET	BLUE	YELLOW	Blank
B	LTE	1900 (PCS) / 2100 (AWS) (Dual RRH)	Blank	BLUE	RED / ORANGE	Blank	YELLOW	Blank
B - Split	LTE	700 B/C	BLUE	BROWN	VIOLET	Blank	YELLOW	Blank
B - Split	LTE	850	BLUE	BROWN	YELLOW	Blank	YELLOW	Blank
B - Split	LTE	850 - 2nd Block	BLUE	BROWN	YELLOW / YELLOW	Blank	YELLOW	Blank
B - Split	LTE	1900	BLUE	BROWN	RED	Blank	YELLOW	Blank
B - Split	LTE	1900 - 2nd Block	BLUE	BROWN	RED / RED	Blank	YELLOW	Blank
B - Split	LTE	2100	BLUE	BROWN	ORANGE	Blank	YELLOW	Blank
B - Split	LTE	2100 - 2nd Block	BLUE	BROWN	ORANGE / ORANGE	Blank	YELLOW	Blank
B - Split	LTE	700 D/E	BLUE	BROWN	SLATE	Blank	YELLOW	Blank
B - Split	LTE	2300	BLUE	BROWN	BROWN	Blank	YELLOW	Blank
B - Split	LTE	2300 - 2nd Block	BLUE	BROWN	BROWN / BROWN	Blank	YELLOW	Blank
B - Split	LTE	2300 - SXM Repeater	BLUE	BROWN	BROWN / BROWN	BROWN	YELLOW	Blank
B - Split	LTE	700 - FirstNet	BLUE	BROWN	VIOLET / BLUE	Blank	YELLOW	Blank
B - Split	LTE	700 (B/C) / 700 First Net (Dual RRH)	BLUE	BROWN	VIOLET / VIOLET	BLUE	YELLOW	Blank
B - Split	LTE	1900 (PCS) / 2100 (AWS) (Dual RRH)	BLUE	BROWN	RED / ORANGE	Blank	YELLOW	Blank

1 COAX COLOR CODE – PART I
SCALE: NOT TO SCALE

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Malvin Barimani
DR838CAE4D1C4BD...

STATE OF CONNECTICUT
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SHEET NUMBER: C-6.1
REVISION: 0

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Sector	Technology	Frequency Band	Color Code - Sector Designation for Sector Split	Color Code - Sector (Amount of Bands Based On Position)	Color Code - Frequency		45 + Coax	45 - Coax
C	LTE	700 B/C	Blank	WHITE	VIOLET	Blank	YELLOW	Blank
C	LTE	850	Blank	WHITE	YELLOW	Blank	YELLOW	Blank
C	LTE	850 - 2nd Block	Blank	WHITE	YELLOW | YELLOW	Blank	YELLOW	Blank
C	LTE	1900	Blank	WHITE	RED	Blank	YELLOW	Blank
C	LTE	1900 - 2nd Block	Blank	WHITE	RED | RED	Blank	YELLOW	Blank
C	LTE	2100	Blank	WHITE	ORANGE	Blank	YELLOW	Blank
C	LTE	2100 - 2nd Block	Blank	WHITE	ORANGE | ORANGE	Blank	YELLOW	Blank
C	LTE	700 D/E	Blank	WHITE	SLATE	Blank	YELLOW	Blank
C	LTE	2300	Blank	WHITE	BROWN	Blank	YELLOW	Blank
C	LTE	2300 - 2nd Block	Blank	WHITE	BROWN | BROWN	Blank	YELLOW	Blank
C	LTE	2300 - SXM Repeater	Blank	WHITE	BROWN | BROWN	BROWN	YELLOW	Blank
C	LTE	700 - FirstNet	Blank	WHITE	VIOLET | BLUE	Blank	YELLOW	Blank
C	LTE	700 (B/C) / 700 First Net (Dual RRH)	Blank	WHITE	VIOLET | VIOLET	BLUE	YELLOW	Blank
C	LTE	1900 (PCS) / 2100 (AWS) (Dual RRH)	Blank	WHITE	RED | ORANGE	Blank	YELLOW	Blank
C - Split	LTE	700 B/C	WHITE	VIOLET	VIOLET	Blank	YELLOW	Blank
C - Split	LTE	850	WHITE	VIOLET	YELLOW	Blank	YELLOW	Blank
C - Split	LTE	850 - 2nd Block	WHITE	VIOLET	YELLOW | YELLOW	Blank	YELLOW	Blank
C - Split	LTE	1900	WHITE	VIOLET	RED	Blank	YELLOW	Blank
C - Split	LTE	1900 - 2nd Block	WHITE	VIOLET	RED | RED	Blank	YELLOW	Blank
C - Split	LTE	2100	WHITE	VIOLET	ORANGE	Blank	YELLOW	Blank
C - Split	LTE	2100 - 2nd Block	WHITE	VIOLET	ORANGE | ORANGE	Blank	YELLOW	Blank
C - Split	LTE	700 D/E	WHITE	VIOLET	SLATE	Blank	YELLOW	Blank
C - Split	LTE	2300	WHITE	VIOLET	BROWN	Blank	YELLOW	Blank
C - Split	LTE	2300 - 2nd Block	WHITE	VIOLET	BROWN | BROWN	Blank	YELLOW	Blank
C - Split	LTE	2300 - SXM Repeater	WHITE	VIOLET	BROWN | BROWN	BROWN	YELLOW	Blank
C - Split	LTE	700 - FirstNet	WHITE	VIOLET	VIOLET | BLUE	Blank	YELLOW	Blank
C - Split	LTE	700 (B/C) / 700 First Net (Dual RRH)	WHITE	VIOLET	VIOLET | VIOLET	BLUE	YELLOW	Blank
C - Split	LTE	1900 (PCS) / 2100 (AWS) (Dual RRH)	WHITE	VIOLET	RED | ORANGE	Blank	YELLOW	Blank
D	LTE	700 B/C	Blank	ORANGE	VIOLET	Blank	YELLOW	Blank
D	LTE	850	Blank	ORANGE	YELLOW	Blank	YELLOW	Blank
D	LTE	850 - 2nd Block	Blank	ORANGE	YELLOW | YELLOW	Blank	YELLOW	Blank
D	LTE	1900	Blank	ORANGE	RED	Blank	YELLOW	Blank
D	LTE	1900 - 2nd Block	Blank	ORANGE	RED | RED	Blank	YELLOW	Blank
D	LTE	2100	Blank	ORANGE	ORANGE	Blank	YELLOW	Blank
D	LTE	2100 - 2nd Block	Blank	ORANGE	ORANGE | ORANGE	Blank	YELLOW	Blank
D	LTE	700 D/E	Blank	ORANGE	SLATE	Blank	YELLOW	Blank
D	LTE	2300	Blank	ORANGE	BROWN	Blank	YELLOW	Blank
D	LTE	2300 - 2nd Block	Blank	ORANGE	BROWN | BROWN	Blank	YELLOW	Blank
D	LTE	2300 - SXM Repeater	Blank	ORANGE	BROWN | BROWN	BROWN	YELLOW	Blank
D	LTE	700 - FirstNet	Blank	ORANGE	VIOLET | BLUE	Blank	YELLOW	Blank
D	LTE	700 (B/C) / 700 First Net (Dual RRH)	Blank	ORANGE	VIOLET | VIOLET	BLUE	YELLOW	Blank
D	LTE	1900 (PCS) / 2100 (AWS) (Dual RRH)	Blank	ORANGE	RED | ORANGE	Blank	YELLOW	Blank
E	LTE	700 B/C	Blank	BROWN	VIOLET	Blank	YELLOW	Blank
E	LTE	850	Blank	BROWN	YELLOW	Blank	YELLOW	Blank
E	LTE	850 - 2nd Block	Blank	BROWN	YELLOW | YELLOW	Blank	YELLOW	Blank
E	LTE	1900	Blank	BROWN	RED	Blank	YELLOW	Blank
E	LTE	1900 - 2nd Block	Blank	BROWN	RED | RED	Blank	YELLOW	Blank
E	LTE	2100	Blank	BROWN	ORANGE	Blank	YELLOW	Blank
E	LTE	2100 - 2nd Block	Blank	BROWN	ORANGE | ORANGE	Blank	YELLOW	Blank
E	LTE	700 D/E	Blank	BROWN	SLATE	Blank	YELLOW	Blank
E	LTE	2300	Blank	BROWN	BROWN	Blank	YELLOW	Blank
E	LTE	2300 - 2nd Block	Blank	BROWN	BROWN | BROWN	Blank	YELLOW	Blank
E	LTE	2300 - SXM Repeater	Blank	BROWN	BROWN | BROWN	BROWN	YELLOW	Blank
E	LTE	700 - FirstNet	Blank	BROWN	VIOLET | BLUE	Blank	YELLOW	Blank
E	LTE	700 (B/C) / 700 First Net (Dual RRH)	Blank	BROWN	VIOLET | VIOLET	BLUE	YELLOW	Blank
E	LTE	1900 (PCS) / 2100 (AWS) (Dual RRH)	Blank	BROWN	RED | ORANGE	Blank	YELLOW	Blank
F	LTE	700 B/C	Blank	VIOLET	VIOLET	Blank	YELLOW	Blank
F	LTE	850	Blank	VIOLET	YELLOW	Blank	YELLOW	Blank
F	LTE	850 - 2nd Block	Blank	VIOLET	YELLOW | YELLOW	Blank	YELLOW	Blank
F	LTE	1900	Blank	VIOLET	RED	Blank	YELLOW	Blank
F	LTE	1900 - 2nd Block	Blank	VIOLET	RED | RED	Blank	YELLOW	Blank
F	LTE	2100	Blank	VIOLET	ORANGE	Blank	YELLOW	Blank
F	LTE	2100 - 2nd Block	Blank	VIOLET	ORANGE | ORANGE	Blank	YELLOW	Blank
F	LTE	700 D/E	Blank	VIOLET	SLATE	Blank	YELLOW	Blank
F	LTE	2300	Blank	VIOLET	BROWN	Blank	YELLOW	Blank
F	LTE	2300 - 2nd Block	Blank	VIOLET	BROWN | BROWN	Blank	YELLOW	Blank
F	LTE	2300 - SXM Repeater	Blank	VIOLET	BROWN | BROWN	BROWN	YELLOW	Blank
F	LTE	700 - FirstNet	Blank	VIOLET	VIOLET | BLUE	Blank	YELLOW	Blank
F	LTE	700 (B/C) / 700 First Net (Dual RRH)	Blank	VIOLET	VIOLET | VIOLET	BLUE	YELLOW	Blank
F	LTE	1900 (PCS) / 2100 (AWS) (Dual RRH)	Blank	VIOLET	RED | ORANGE	Blank	YELLOW	Blank

1 COAX COLOR CODE – PART II
SCALE: NOT TO SCALE

AT&T
575 MOROSGO DRIVE
ATLANTA, GA 30324-3300

CROWN CASTLE
3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065

AT&T SITE NUMBER: **CT5182**

BU #: **826222**
NEWTOWN/RT-25

201 SOUTH MAIN STREET
NEWTOWN, CT 06470

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	07/15/20	ASM	PRELIMINARY	VRA
0	08/17/20	ASM	CONSTRUCTION	MB

DocuSigned by:
Malvern Barimani
DR838CAE4D1C4BD...

STATE OF CONNECTICUT
MALVERN BARIMANI
30501
LICENSED
PROFESSIONAL ENGINEER

Crown Castle USA Inc.
Certificate of Registration #PEC.0001101
8/17/2020 | 4:06:50 PM EDT

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SHEET NUMBER: C-6.2
REVISION: 0

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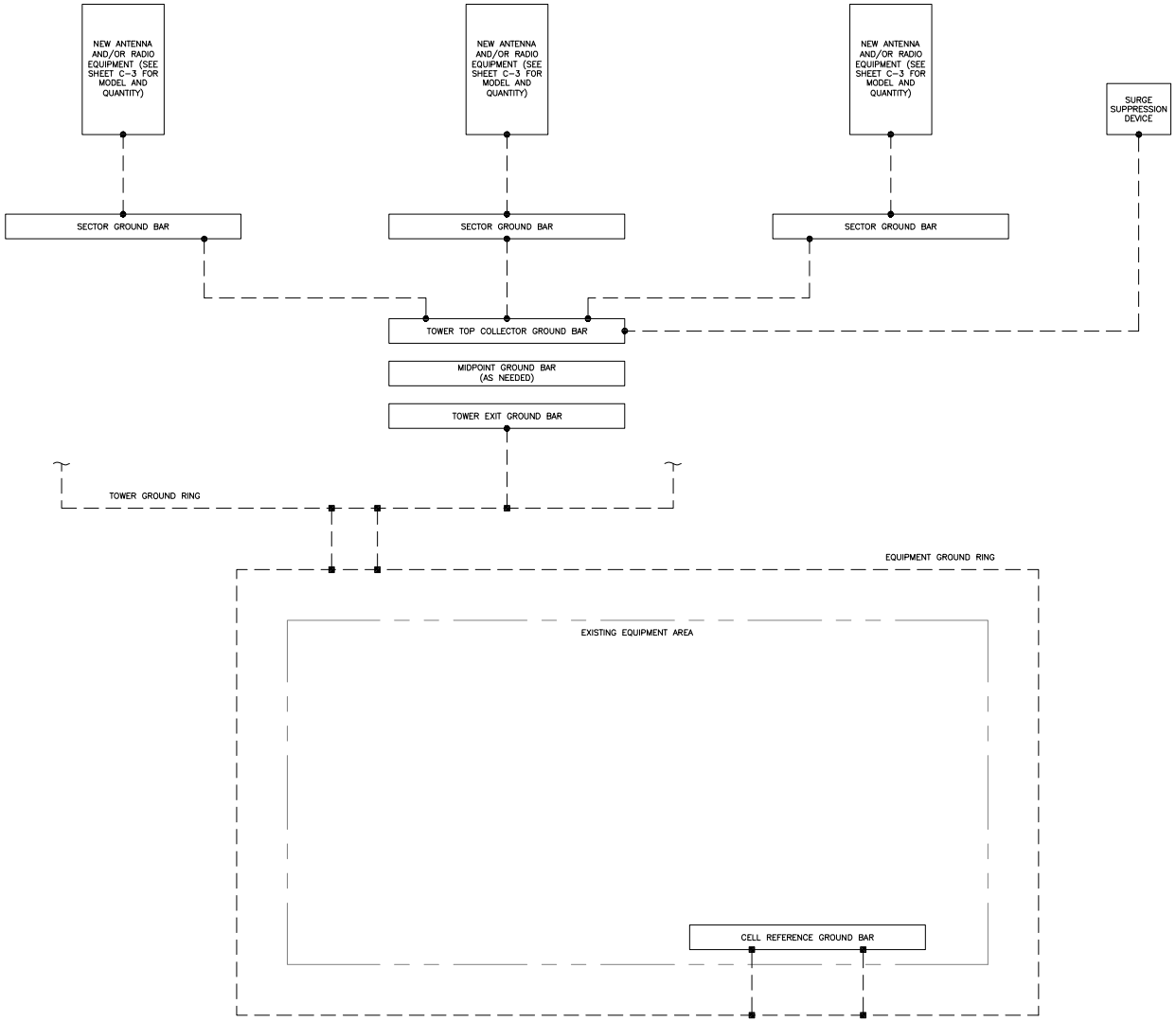

1 GROUNDING SCHEMATIC
SCALE: NOT TO SCALE

GROUNDING PLAN LEGEND:

--- GROUND WIRE
■ EXOTHERMIC WELD
● MECHANICAL CONNECTION
COPPER GROUND ROD
GROUND ROD W/ TEST WELL

CELL REFERENCE GROUND BAR: POINT OF GROUND REFERENCE FOR ALL COMMUNICATIONS EQUIPMENT FRAMES. ALL BONDS ARE MADE WITH #2 STRANDED GREEN INSULATED COPPER CONDUCTORS. BOND TO GROUND RING WITH (2) #2 SOLID TINNED COPPER CONDUITS (ATT-TP-76416 7.6.7).

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

EXTERIOR CABLE ENTRY PORT GROUND BARS: LOCATED AT THE ENTRANCE TO THE CELL SITE BUILDING. BOND TO GROUND RING WITH A #2 SOLID TINNED COPPER CONDUCTORS WITH AN EXOTHERMIC WELD AND INSPECTION SLEEVE (ATT-TP-76416 7.6.7.2).

DURING ALL DC POWER SYSTEM CHANGES INCLUDING DC SYSTEM CHANGE OUTS, RECTIFIER REPLACEMENTS OR ADDITIONS, BREAKER DISTRIBUTION CHANGES, BATTERY ADDITIONS, BATTERY REPLACEMENTS AND INSTALLATIONS OR CHANGES TO DC CONVERTER SYSTEMS IT SHALL BE REQUIRED THAT SERVICES CONTRACTORS VERIFY ALL DC POWER SYSTEMS ARE EQUIPPED WITH MASTER DC SYSTEM RETURN GROUND CONDUCTOR FROM THE DC POWER SYSTEM COMMON RETURN BUS DIRECTLY CONNECTED TO THE CELL SITE REFERENCE GROUND BAR PER TP76300 SECTION H 6 AND TP76416 FIGURE 7-11 REQUIREMENTS.

AT&T
575 MOROSGO DRIVE
ATLANTA, GA 30324-3300

CROWN CASTLE
3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065

AT&T SITE NUMBER: **CT5182**

BU #: **826222**
NEWTOWN/RT-25

201 SOUTH MAIN STREET
NEWTOWN, CT 06470

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES/QA
A	07/15/20	ASM	PRELIMINARY	VRA
0	08/17/20	ASM	CONSTRUCTION	MB

DocuSigned by:
Malvina Barimani
DR33CAEADC1D4BD...

STATE OF CONNECTICUT
MALVINA BARIMANI
30501
LICENSED
PROFESSIONAL ENGINEER

Crown Castle USA Inc.
Certificate of Registration #PEC.0001101
8/17/2020 | 4:06:50 PM EDT

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SHEET NUMBER:	REVISION:
G-1	0

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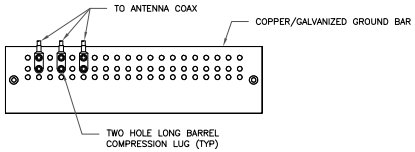
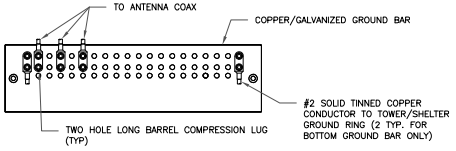


NOTES:

1. DOUBLING UP "OR STACKING" OF CONNECTIONS IS NOT PERMITTED.
2. EXTERIOR ANTIOXIDANT JOINT COMPOUND TO BE USED ON ALL EXTERIOR CONNECTIONS.
3. GROUND BAR SHALL NOT BE ISOLATED FROM TOWER. MOUNT DIRECTLY TO ANTENNA MOUNT STEEL.

1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE

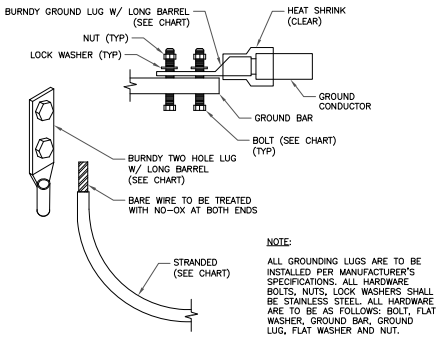


NOTES:

1. EXTERIOR ANTIOXIDANT JOINT COMPOUND TO BE USED ON ALL EXTERIOR CONNECTIONS.
2. GROUND BAR SHALL NOT BE ISOLATED FROM TOWER. MOUNT DIRECTLY TO TOWER STEEL (TOWER ONLY).
3. GROUND BAR SHALL BE ISOLATED FROM BUILDING OR SHELTER.

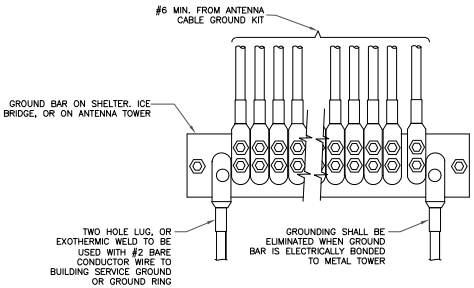
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE

WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC SS 2 BOLT
#2 SOLID TINNED	YA3C-2TC38	3/8" - 16 NC SS 2 BOLT
#2 STRANDED	YA2C-2TC38	3/8" - 16 NC SS 2 BOLT
#2/0 STRANDED	YA26-2TC38	3/8" - 16 NC SS 2 BOLT
#4/0 STRANDED	YA28-2N	1/2" - 16 NC SS 2 BOLT

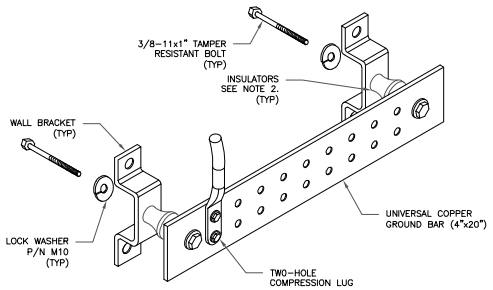


NOTE:
ALL GROUNDING LUGS ARE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. ALL HARDWARE BOLTS, NUTS, LOCK WASHERS SHALL BE STAINLESS STEEL. ALL HARDWARE ARE TO BE AS FOLLOWS: BOLT, FLAT WASHER, GROUND BAR, GROUND LUG, FLAT WASHER AND NUT.

3 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



4 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE

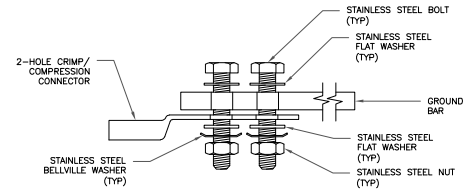


NOTES:

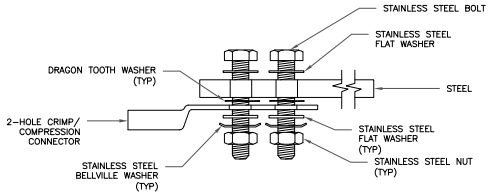
1. DOWN LEAD (HOME RUN) CONDUCTORS ARE NOT TO BE INSTALLED ON CROWN CASTLE USA INC. TOWER, PER THE GROUNDING DOWN CONDUCTOR POLICY QAS-STD-10091. NO MODIFICATION OR DRILLING TO TOWER STEEL IS ALLOWED IN ANY FORM OR FASHION. CAD-WELDING ON THE TOWER AND/OR IN THE AIR ARE NOT PERMITTED.

2. OMIT INSULATOR WHEN MOUNTING TO TOWER STEEL OR PLATFORM STEEL USE INSULATORS WHEN ATTACHING TO BUILDING OR SHELTERS.

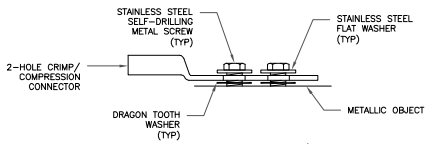
5 GROUND BAR DETAIL
SCALE: NOT TO SCALE



SINGLE CONNECTOR AT GROUND BARS

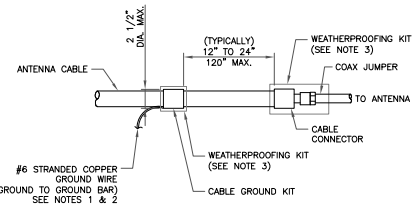


SINGLE CONNECTOR AT STEEL OBJECTS



SINGLE CONNECTOR AT METALLIC/STEEL OBJECTS

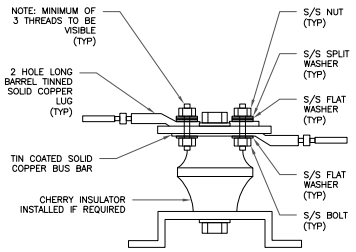
8 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
2. GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
3. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT, COLD SHRINK SHALL NOT BE USED.

6 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE

AT&T
575 MOROSGO DRIVE
ATLANTA, GA 30324-3300

CROWN CASTLE
3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065

AT&T SITE NUMBER: **CT5182**

BU #: **826222**
NEWTOWN/RT-25

201 SOUTH MAIN STREET
NEWTOWN, CT 06470

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES/QA
A	07/15/20	ASM	PRELIMINARY	VRA
0	08/17/20	ASM	CONSTRUCTION	MB

DocuSigned by:
DRS3CAEAD1C4483...

STATE OF CONNECTICUT
MAHYAR BARIMANI
30501
LICENSED
PROFESSIONAL ENGINEER

Crown Castle USA Inc.
Certificate of Registration #PEC.0001101
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SHEET NUMBER: G-2
REVISION: 0

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Diagram - Sector	A	Diagram File Name - CT5182_ABC_850_PCS_AWS_d1.vsd					
Atoll Site Name -	CTL05182	Location Name -	NEWTOWN- SOUTH CENTRAL	Market -	CONNECTICUT	Market Cluster -	NEW ENGLAND

Comments: Important Note: For detailed radio to antenna wiring refer to the latest field notice - Antenna_Radio Connection Drawings Playbook v6.0_Ericsson

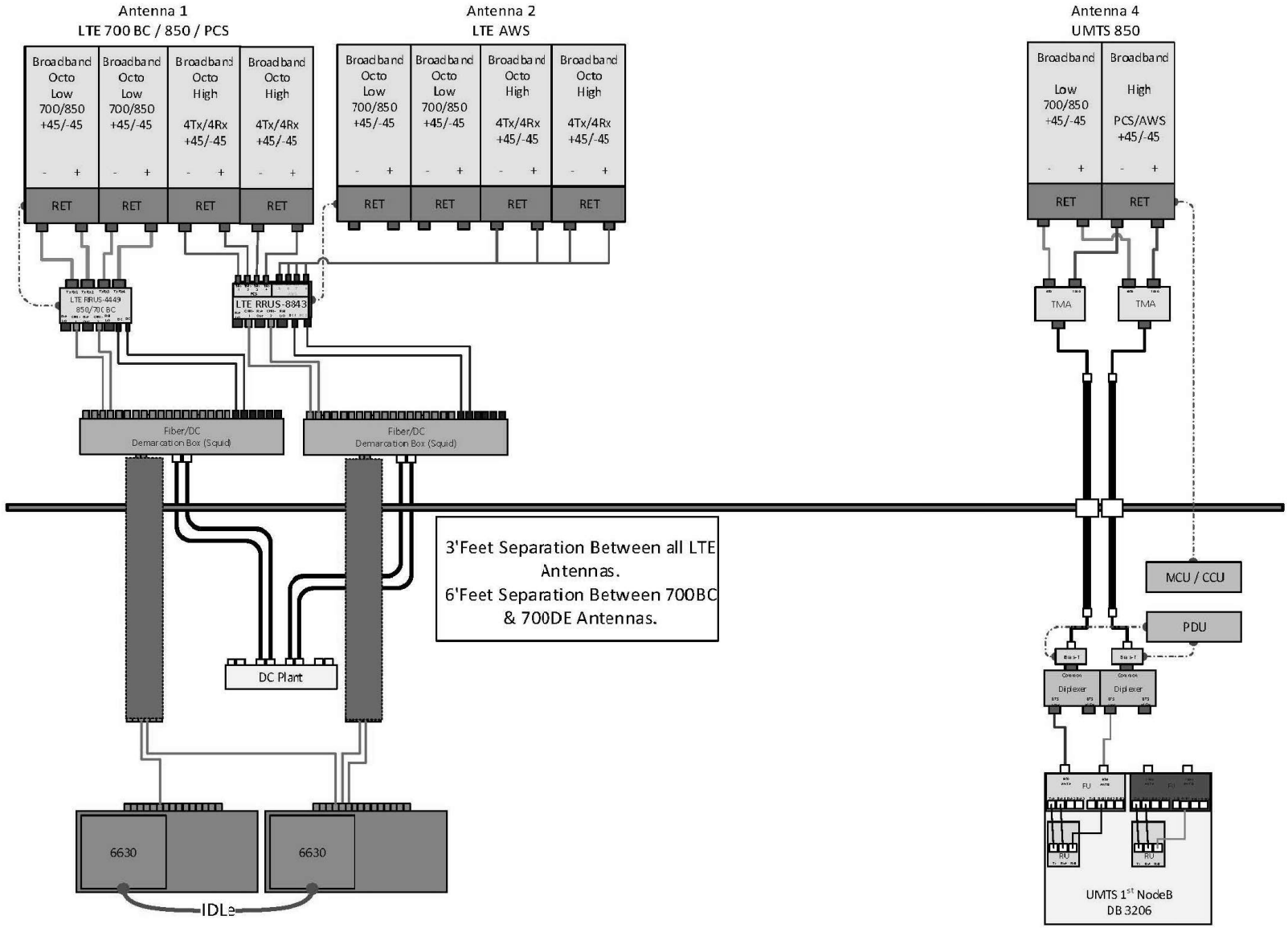

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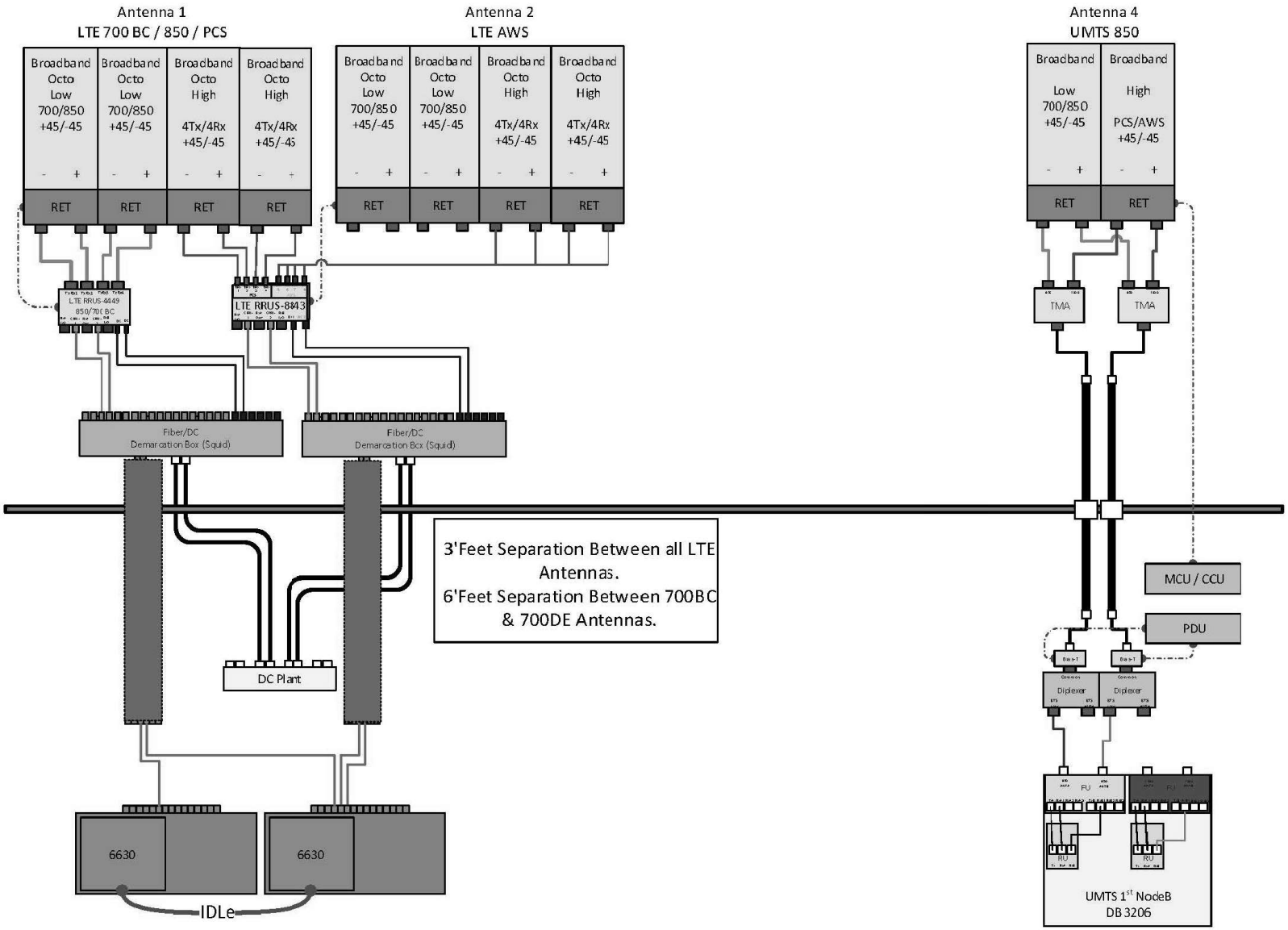
Diagram - Sector	B	Diagram File Name - CT5182_ABC_850_PCS_AWS_d1.vsd					
Atoll Site Name -	CTL05182	Location Name -	NEWTOWN- SOUTH CENTRAL	Market -	CONNECTICUT	Market Cluster -	NEW ENGLAND

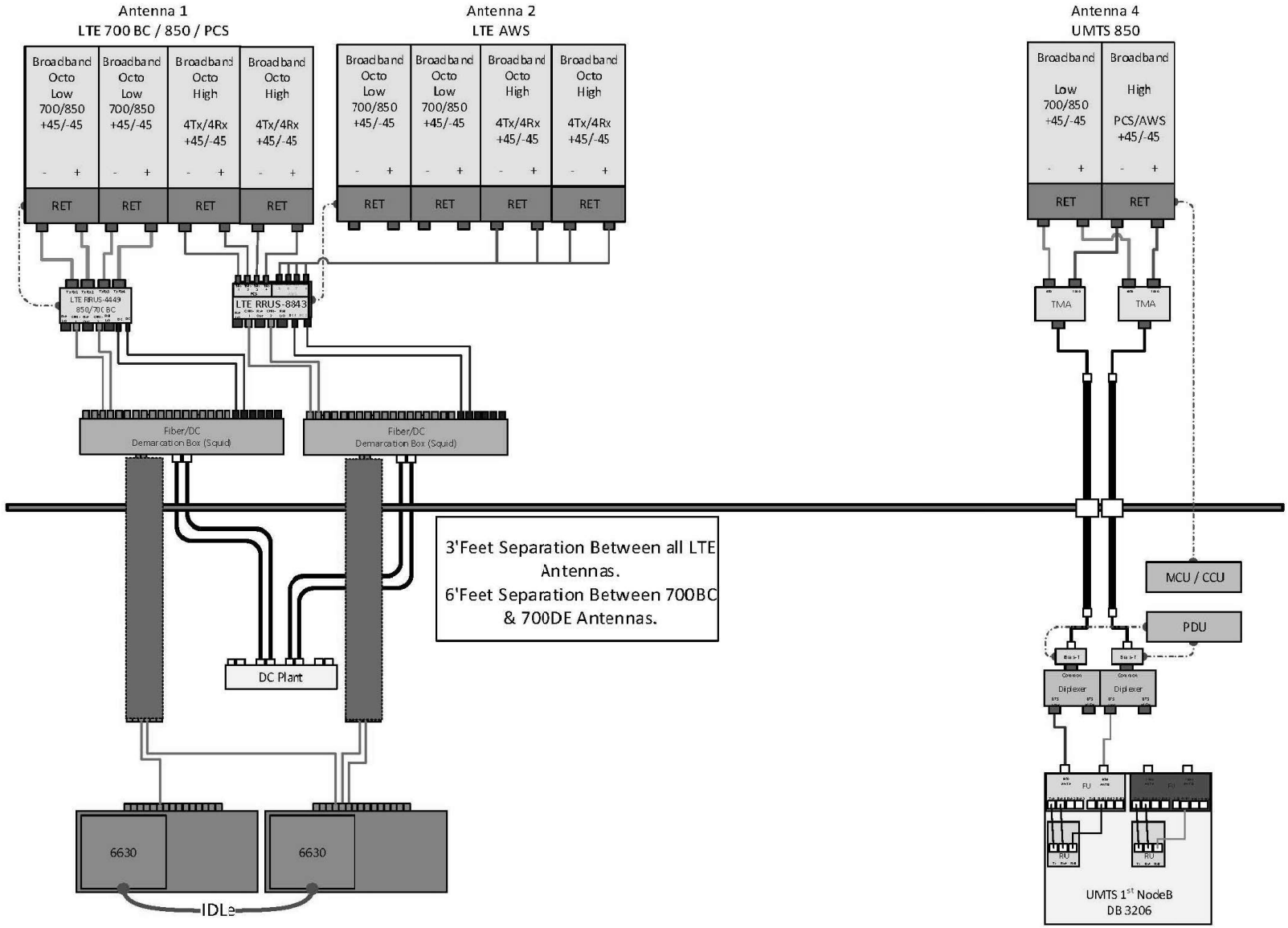
Comments: Important Note: For detailed radio to antenna wiring refer to the latest field notice - Antenna_Radio Connection Drawings Playbook v6.0_Ericsson



DocuSign Envelope ID: 7F2A8C99-E0FC-46D7-9A09-C3FEAA8963A0

Diagram - Sector	C	Diagram File Name - CT5182_ABC_850_PCS_AWS_d1.vsd					
Atoll Site Name -	CTL05182	Location Name -	NEWTOWN- SOUTH CENTRAL	Market -	CONNECTICUT	Market Cluster -	NEW ENGLAND

Comments: Important Note: For detailed radio to antenna wiring refer to the latest field notice - Antenna_Radio Connection Drawings Playbook v6.0_Ericsson



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CROWN CASTLE

SITE:

826222 NEWTOWN/RT - 25 (10091788)

MODIFICATION DRAWING FOR AN EXISTING 12.5' PLATFORM AT 110' ON A 150' MONOPOLE TOWER

SHEET INDEX	
T-01	TITLE SHEET
N-01	NOTES
S-01	PLAN VIEW
S-02	ELEVATION VIEW
MI-01	MODIFICATION CHECKLIST

PROJECT INFORMATION	
COUNTY:	FAIRFIELD
SITE ADDRESS:	201 SOUTH MAIN STREET NEWTOWN, CT 06470
LATITUDE:	41° 22' 41.32"
LONGITUDE:	-73° 16' 26.54"

SCOPE OF WORK:

MOUNT MODIFICATION DRAWINGS INCLUDES:
INSTALL PROPOSED SUPPORT RAIL, CORNER BRACES, & MOUNT PIPES.

PLANS PREPARED FOR:
CROWN CASTLE

PLANS PREPARED BY:
POD
POWER OF DESIGN
1033 E. TURKEYFOOT LAKE RD.
SUITE 206 AKRON, OHIO 44312
330-961-7432

CARRIER:
AT&T

DRAWING NOTICE:
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MODIFICATION DRAWING

6/8/2020

STATE OF CONNECTICUT
JASON CHERONIS
PEN.0032763
LICENSED PROFESSIONAL ENGINEER

REV.	DATE	DESCRIPTION

SITE INFORMATION:
NEWTOWN/RT - 25
(10091788)

201 SOUTH MAIN STREET
NEWTOWN, CT 06470

SITE NUMBER:
826222

POD NUMBER:	20-64578
DRAWN BY:	TAJ
CHECKED BY:	JGC
DATE:	06/08/2020

SHEET TITLE:
TITLE SHEET

T-01

DocuSign Envelope ID: 7F2A8C99-E0FC-46D7-9A09-C3FEAA8963A0

GENERAL NOTES

1. THE MODIFICATIONS REPRESENTED IN THESE DRAWINGS ARE BASED ON THE STRUCTURAL DOCUMENTS PROVIDED IN THE STRUCTURAL DOCUMENTS TABLE. THE CONTRACTOR SHALL OBTAIN AND BECOME FAMILIAR WITH ALL REFERENCED DOCUMENTS.

REFERENCE DOCUMENTS	
DOCUMENT TYPE	DESIGNATION
MOUNT ANALYSIS	POD PROJECT NUMBER: 20-64949 DATED: 06/05/2020

2. ALL MODIFICATIONS MUST BE INSTALLED TO BRING THE TOWER INTO CONFORMANCE WITH ALL APPLICABLE CODES.

GOVERNING CODES	TIA-222-H
ULTIMATE WIND SPEED	117 MPH 3 SECOND GUST
RADIAL ICE THICKNESS	1"
WIND SPEED W/ ICE	50 MPH 3 SECOND GUST
STRUCTURE CLASS	II
EXPOSURE CATEGORY	C
TOPOGRAPHIC CATEGORY	1
SPECTRAL RESPONSE ACCELERATIONS	SS= 0.210 & S1= 0.055

3. ALL WORK PRESENTED ON THESE DRAWINGS MUST BE COMPLETED BY THE CONTRACTOR UNLESS NOTED OTHERWISE OR APPROVED BY THE EOR. THE CONTRACTOR MUST HAVE CONSIDERABLE EXPERIENCE PERFORMING WORK SIMILAR TO THAT DESCRIBED WITHIN THESE DRAWINGS. BY ACCEPTANCE OF THIS PROJECT, THE CONTRACTOR IS ATTESTING THAT HE HAS SUFFICIENT EXPERIENCE AND ABILITY, THAT HE IS KNOWLEDGEABLE OF THE WORK TO BE PERFORMED AND THAT HE IS PROPERLY LICENSED AND REGISTERED TO PERFORM THE WORK IN THE PROJECT JURISDICTION.
4. WORK SHALL ONLY BE PERFORMED DURING CALM, DRY DAYS (WINDS LESS THAN 10KMPH). IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE INSTALLATION PROCEDURE AND SEQUENCE TO INSURE THE SAFETY OF THE STRUCTURE AND ITS COMPONENT PARTS DURING ERECTION AND/OR MODIFICATIONS. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF TEMPORARY BRACING, GUYS OF TIEDOWNS THAT MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER THE COMPLETION OF THE PROJECT.
5. ALL DIMENSIONS, ELEVATIONS AND EXISTING CONDITIONS SHOWN ON THE DRAWINGS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO BEGINNING ANY MATERIALS ORDERING, FABRICATION OR CONSTRUCTION WORK ON THIS PROJECT. CONTRACTOR SHALL NOT SCALE CONTRACT DRAWINGS IN LIEU OF FIELD VERIFICATIONS. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND EOR. THE DISCREPANCIES MUST BE RESOLVED BEFORE THE CONTRACTOR IS TO PROCEED WITH THE WORK. THE CONTRACT DOCUMENTS DO NOT INDICATE THE METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES OBSERVATION VISITS TO THE SITE BY THE OWNER AND/OR THE EOR SHALL NOT INCLUDE INSPECTION OF THE PROTECTIVE MEASURES AND PROCEDURES.
6. THE DESIGN WITHIN THESE DRAWINGS ASSUMES THE TOWER AND ITS FOUNDATIONS HAVE BEEN WELL MAINTAINED, IN GOOD CONDITION AND ARE WITHOUT DEFECT. BENT MEMBERS, CORRODED MEMBER, LOOSE BOLTS, CRACKED WELDS, AND OTHER STRUCTURAL DEFECTS HAVE NOT BEEN CONSIDERED UNLESS SPECIFICALLY NOTED. THE TOWER IS ASSUMED TO BE PLUMB AND THE SITE IS ASSUMED LEVEL. THE OWNER AND/OR EOR SHALL BE NOTIFIED IMMEDIATELY IF ANY VARIANCES ARE FOUND.
7. THE CONTRACTOR SHALL ONLY WORK WITHIN THE LIMITS OF THE TOWER OWNER'S PROPERTY, LEASE AREA OR APPROVED EASEMENTS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY WORK IS PERFORMED WITHIN THESE BOUNDARIES. CONSTRUCTION STAKING AND BOUNDARY MARKING IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL EMPLOY A SURVEYOR AS REQUIRED. ANY WORK OUTSIDE THESE BOUNDARIES SHALL BE APPROVED IN WRITING BY THE OWNER.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAIN AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR INSURING THAT ALL WORK PERFORMED COMPLIES WITH ALL APPLICATION SAFETY CODES AND GOVERNING REGULATIONS.
9. ACCESS TO THE PROPOSED WORK SITE MAY BE RESTRICTED. THE CONTRACTOR SHALL COORDINATE INTENDED CONSTRUCTION ACTIVITY, INCLUDING WORK SCHEDULES AND MATERIAL DELIVERIES, WITH THE OWNER/RESIDENT LEASING AGENT FOR APPROVAL.
10. THE CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS FOR THIS PROJECT FROM ALL APPLICABLE GOVERNING AGENCIES. THE CONTRACTOR WILL BE RESPONSIBLE FOR ABIDING BY ALL CONDITIONS AND REQUIREMENTS OF THE PERMITS.
11. ALL MATERIAL UTILIZED FOR THIS PROJECT MUST BE NEW AND FREE OF ANY DEFECTS. ANY MATERIAL SUBSTITUTIONS, INCLUDED BUT NOT LIMITED TO ALTERED SIZED AND/OR STRENGTHS, MUST BE APPROVED BY THE EOR.
12. UNLESS NOTED OTHERWISE, ALL NEW MEMBERS SHALL MAINTAIN THE EXISTING MEMBER WORKING LINES AND NOT INTRODUCE ECCENTRICITIES INTO THE STRUCTURE.
13. ALL DIMENSIONS AND QUANTITIES LISTED WITHIN THESE DRAWINGS ARE INTENDED TO AID THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY ALL DIMENSION AND QUANTITIES PRIOR TO BIDDING AND/OR ORDERING MATERIALS.
14. ALL MANUFACTURERS' INSTRUCTIONS SHALL BE FOLLOWED EXACTLY. ANY DEVIATION REQUIRES WRITTEN APPROVAL FROM THE EOR.
15. THE CONTRACTOR IS RESPONSIBLE FOR TEMPORARILY REMOVING COAX, BRACKETS, ANTENNAS MOUNTS AND ANY OTHER TOWER APPURTENANCE THAT MAY INTERFERE WITH THE INSTALLATION OF THE TOWER MODIFICATIONS. ALL TOWER APPURTENANCES MUST BE REPLACED AND/OR RESTORED TO ITS ORIGINAL LOCATION. SOME MOUNTS OR ATTACHMENTS MAY REQUIRE CUSTOM MODIFICATION TO PROPERLY FIT THE MODIFIED REGION OF THE STRUCTURE. THESE CUSTOM MOUNTS OR ATTACHMENTS ARE DESIGNED BY OTHERS AND MUST BE APPROVED BY THE OWNER/EOR PRIOR TO REMOVAL. ANY CARRIER DOWNTIME MUST BE COORDINATED WITH THE OWNER IN WRITING.
16. DO NOT SCALE DRAWINGS.

STRUCTURAL STEEL NOTES

1. ALL DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE AISC SPECIFICATIONS, LATEST EDITION.
2. ALL STRUCTURAL STEEL ELEMENTS SHALL CONFORM TO THE FOLLOWING REQUIREMENTS.

MATERIAL SPECIFICATIONS	
PIPES	ASTM A53 GRB (35 KSI YIELD STRENGTH)
BOLTS	ASTM A325N
NUTS	ASTM A563
WASHER	ASTM F436
PLATE	ASTM A36 (36 KSI YIELD STRENGTH)
U-BOLTS	ASTM A307

3. ALL CONNECTIONS NOT FULLY DETAILED ON THESE PLANS SHALL BE DETAILED BY THE FABRICATOR IN ACCORDANCE WITH AISC SPECIFICATIONS, LATEST EDITION.
4. CAULKING SHALL BE PROVIDED AROUND PERIMETER OF ANY AND ALL MODIFICATION MEMBERS TO ENSURE COMPLETE SEAL BETWEEN EXISTING STRUCTURE AND REINFORCING MEMBERS IN FULL CONTACT WITH EXISTING STEEL. SEALANT IS TO BE EXTERIOR GRADE, PAINTABLE SILICONE CAULKING AS MANUFACTURED BY DOW AND ACCEPTABLE TO EOR.
5. HOLES SHALL NOT BE FLAME CUT THROUGH STEEL UNLESS APPROVED BY THE EOR.
6. ALL EXPOSED STEEL SHALL BE HOTXDIPPED GALVANIZED PER ASTM A123, ASTM A153/A153M, OR ASTM A653 G90, AS APPLICABLE FOR FULL WEATHER PROTECTION. FOR HIGH STRENGTH STEEL FASTENERS WHERE HOTXDIPPED GALVANIZING IS NOT PERMITTED DACROMET F1136 GRADE 3 COATING SHALL BE USED. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING TOWER STEEL. CONTRACTOR SHALL OBTAIN EOR APPROVAL FOR STEEL PROTECTION BY ANY OTHER MEANS.
7. REPAIR DAMAGED PAINTED/GALVANIZED SURFACES WITH TWO COATS OF BRUSH OR ROLL ON ZRC COLD GALVANIZING COMPOUND OR EOR APPROVED COATING. SURFACES MUST BE WIRE BRUSHED AND SOLVENT CLEANED PRIOR TO APPLICATION OF GALVANIZING COMPOUND.
8. ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES (LOCKING NUT/PAL NUT) TO BE INSTALLED IN ACCORDANCE WITH TIA/EIA222 REQUIREMENTS.
9. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT BE AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.

PLANS PREPARED FOR:

CROWN CASTLE

PLANS PREPARED BY:

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SUITE 206 AKRON, OHIO 44312
330-961-7432

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MODIFICATION DRAWING

6/8/2020

STATE OF CONNECTICUT
JASON CHERONIS
PEN.0032753
LICENSED
PROFESSIONAL ENGINEER

REV.	DATE	DESCRIPTION

SITE INFORMATION:

NEWTOWN/RT - 25
(10091788)

201 SOUTH MAIN STREET
NEWTOWN, CT 06470

SITE NUMBER:

826222

POD NUMBER:	20-64978
DRAWN BY:	TAJ
CHECKED BY:	JGC
DATE:	06/08/2020

SHEET TITLE:

NOTES

N-01

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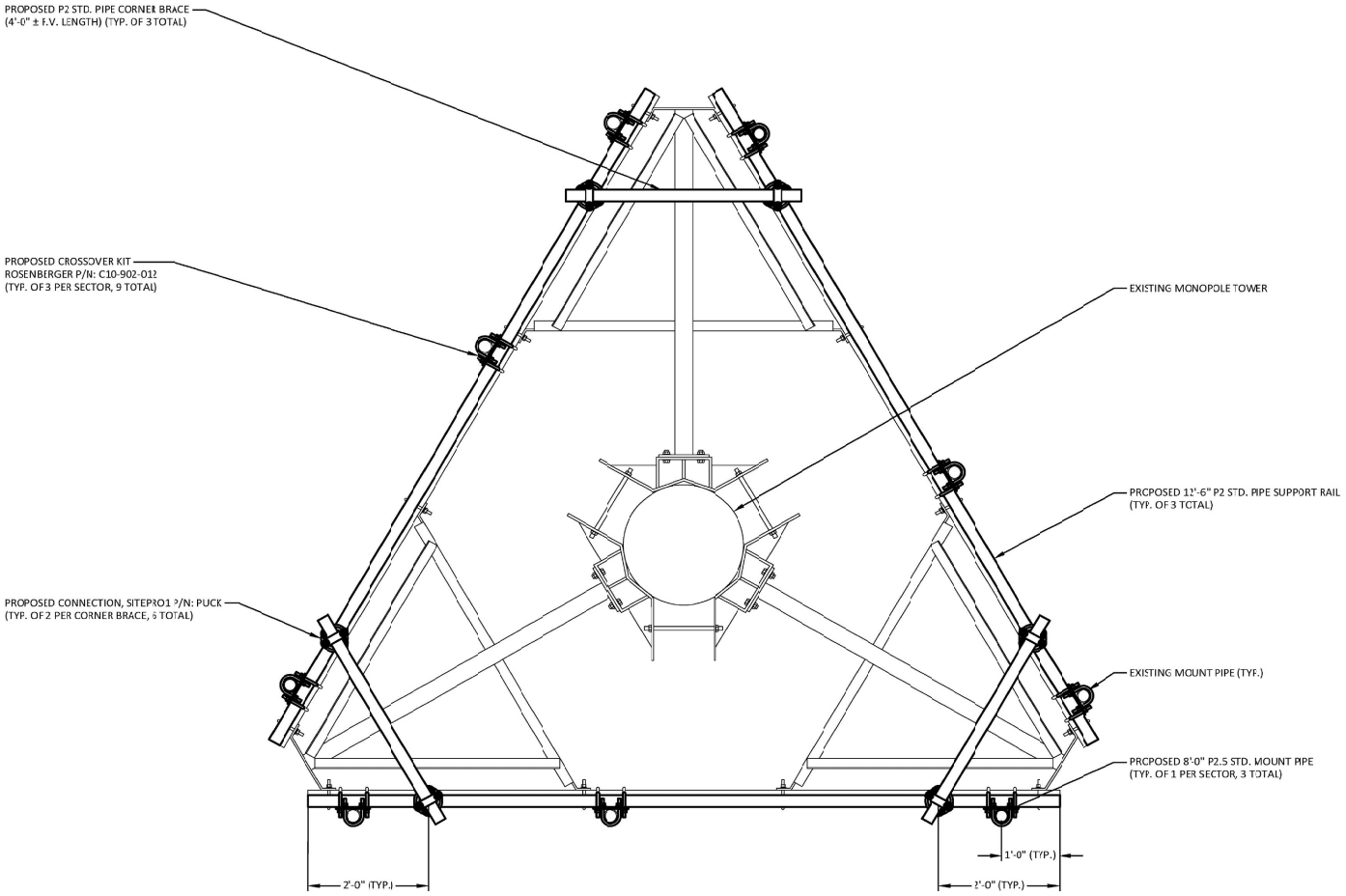
NOTES:
- ANTENNAE & GRATING NOT SHOWN FOR CLARITY
- ALL FIELD CUT MEMBERS SHALL BE SOLVENT CLEANED AND TOUCHED UP WITH TWO COATS OF ZRC RICH PAINT
- EXCESS MATERIALS SHALL BE REMOVED AND DISPOSED OFF SITE BY THE CONTRACTOR



PLAN VIEW
1/2" = 1'-0"

PLANS PREPARED FOR:
CROWN CASTLE

PLANS PREPARED BY:
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1033 E. TURKEYFOOT LAKE RD.
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MODIFICATION DRAWING

6/8/2020
STATE OF CONNECTICUT
JASON CHERONIS
PEN.0032753
LICENSED
PROFESSIONAL ENGINEER

REV.	DATE	DESCRIPTION

SITE INFORMATION:
NEWTOWN/RT - 25
(10091788)
201 SOUTH MAIN STREET
NEWTOWN, CT 06470

SITE NUMBER:
826222

POD NUMBER:	20-44978
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DATE:	06/08/2020

SHEET TITLE:
PLAN VIEW

S-01

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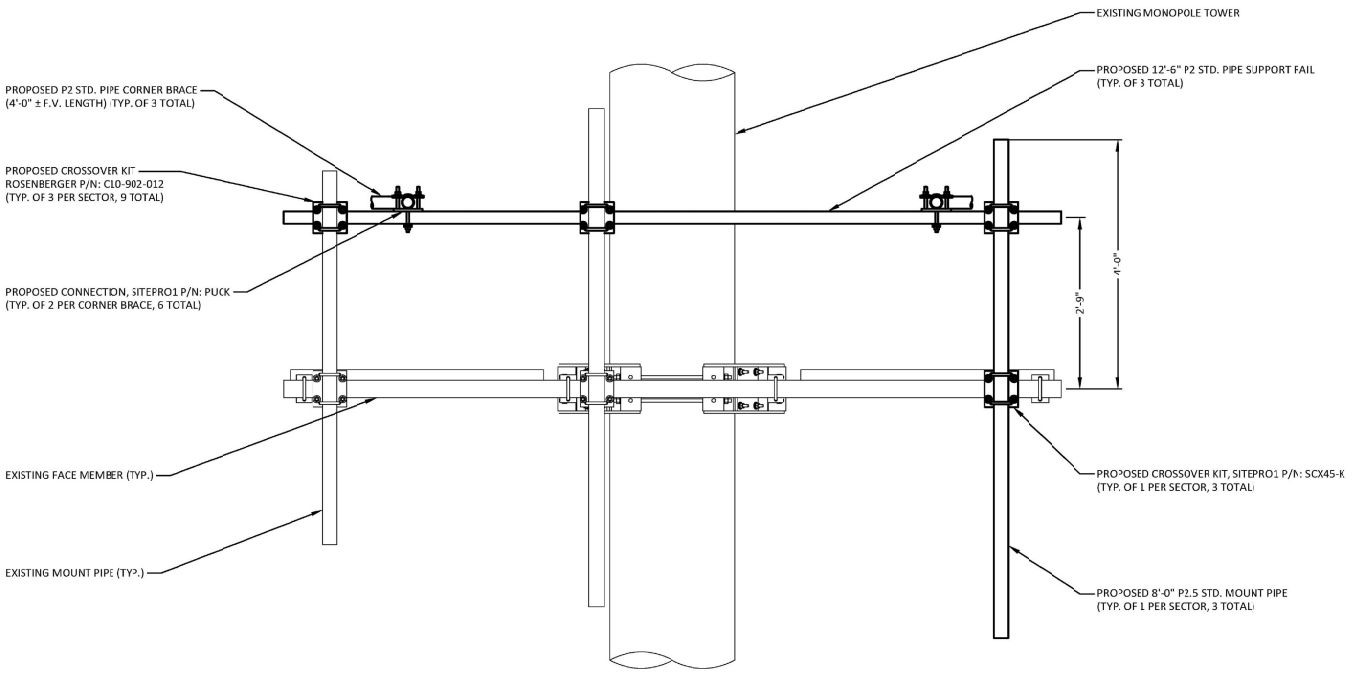
NOTES:
- ANTENNAE & GRATING NOT SHOWN FOR CLARITY
- ALL FIELD DRILLED HOLES SHALL BE SOLVENT CLEANED AND TOUCHED UP WITH TWO COATS OF ZRC RICH PAINT
- EXCESS MATERIALS SHALL BE REMOVED AND DISPOSED OFF SITE BY THE CONTRACTOR



ELEVATION VIEW
1/2" = 1'-0"

PLANS PREPARED FOR:
CROWN CASTLE

PLANS PREPARED BY:
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MODIFICATION DRAWING

6/8/2020

STATE OF CONNECTICUT
JASON CHERONIS
PEN.0032753
LICENSED
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REV.	DATE	DESCRIPTION

SITE INFORMATION:
NEWTOWN/RT - 25
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201 SOUTH MAIN STREET
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SITE NUMBER:
826222

POD NUMBER:	20-44978
DRAWN BY:	TAJ
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DATE:	06/08/2020

SHEET TITLE:
ELEVATION VIEW

S-02

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MODIFICATION INSPECTION CHECKLIST

BEFORE CONSTRUCTION		DURING CONSTRUCTION		AFTER CONSTRUCTION	
CONSTRUCTION/INSTALLATION INSPECTION AND TESTING REQUIRED (COMPLETED BY ENGINEER OF RECORD)	REPORT ITEM	CONSTRUCTION/INSTALLATION INSPECTION AND TESTING REQUIRED (COMPLETED BY ENGINEER OF RECORD)	REPORT ITEM	CONSTRUCTION/INSTALLATION INSPECTION AND TESTING REQUIRED (COMPLETED BY ENGINEER OF RECORD)	REPORT ITEM
X	MODIFICATION INSPECTION CHECKLIST DWG	X	CONSTRUCTION INSPECTION	X	MODIFICATION INSPECTOR REDLINE OR RECORD DRAWING(S)
-	ENGINEER OF RECORD APPROVED SHOP DRAWINGS	-	FOUNDATION INSPECTION	-	POST INSTALLED ANCHOR ROD PULL-OUT TESTING
-	FABRICATION INSPECTION	-	CONCRETE COMP. STRENGTH AND SLUMP TEST	X	PHOTOGRAPHS
X	MATERIAL TEST REPORT	-	POST INSTALLED ANCHOR ROD VERIFICATION	ADDITIONAL TESTING AND INSPECTION	
-	FABRICATOR NDE INSPECTION	-	BASE PLATE GROUT VERIFICATION		
-	NDE REPORT OF MONOPOLE BASEPLATE (AS REQUIRED)	-	THIRD PARTY CERTIFIED WELD INSPECTION		
X	PACKING SLIP	-	EARTHWORK LIFT AND DENSITY (REPORT REQUIRED)		
ADDITIONAL TESTING AND INSPECTION		X	ON SITE COLD GALVANIZING VERIFICATION		
		-	GUY WIRE TENSION REPORT		
		X	GC AS-BUILT DOCUMENTS		
		ADDITIONAL TESTING AND INSPECTION			

MODIFICATION INSPECTION NOTES:

GENERAL:

1. THE MODIFICATION INSPECTION IS A VISUAL INSPECTION OF TOWER MODIFICATION AND A REVIEW OF CONSTRUCTION INSPECTION AND OTHER REPORTS TO ENSURE THE INSTALLATION WAS CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. NAMELY THE MODIFICATION DRAWINGS , AS DESIGNED BY THE ENGINEER OF RECORD.

2. THE MODIFICATION INSPECTION IS TO CONFIRM INSTALLATION CONFIGURATION AND WORKMANSHIP ONLY AN IS NOT A REVIEW OF THE MODIFICATION DESIGN ITSELF. NOR DOES THE MODIFICATION INSPECTOR TAKE OWNERSHIP OF THE MODIFICATION DESIGN. OWNERSHIP OF THE STRUCTURAL MODIFICATION DESIGN EFFECTIVENESS AND INTENT RESIDES WITH THE ENGINEER OF RECORD AT ALL TIMES.

3. TO ENSURE THAT THE REQUIREMENT OF THE MODIFICATION INSPECTION ARE MET, IT IS VITAL THAT THE GENERAL CONTRACTOR (GC) AND THE MODIFICATION INSPECTOR BEGIN COMMUNICATION AND COORDINATING AS SOON AS A PO OR PAYMENT IS RECEIVED. IT IS EXPECTED THAT EACH PARTY WILL BE PROACTIVE IN REACHING OUT TO THE OTHER PARTY.

MODIFICATION INSPECTOR:

1. THE MODIFICATION INSPECTOR IS REQUIRED TO CONTACT THE GC AS SOON AS RECEIVING A PO OR PAYMENT FOR THE MODIFICATION INSPECTION TO:

- REVIEW THE REQUIREMENT OF THE MODIFICATION INSPECTION CHECKLIST
- WORK WITH THE GC TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE INSPECTIONS
- DISCUSS ANY SITE SPECIFIC INSPECTIONS OR CONCERNS

2. THE MODIFICATION INSPECTOR IS RESPONSIBLE FOR COLLECTING ALL GENERAL CONTRACTOR (GC) INSPECTION AND TEST REPORTS. REVIEWING THE DOCUMENTS FOR ADHERENCE TO THE CONTRACT DOCUMENTS, CONDUCTING THE INXFEILD INSPECTIONS, AND SUBMITTING THE MODIFICATION INSPECTION REPORT.

GENERAL CONTRACTOR:

1. THE GC IS REQUIRED TO CONTACT THE MODIFICATION INSPECTOR AS SOON AS RECEIVING A PO OR PAYMENT FOR THE MODIFICATION INSTALLATION OR TURNKEY PROJECT TO:

- REVIEW THE REQUIREMENT OF THE MODIFICATION INSPECTION CHECKLIST
- WORK WITH THE MI INSPECTOR TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE MODIFICATION INSPECTIONS, INCLUDING FOUNDATION INSPECTIONS
- BETTER UNDERSTAND ALL INSPECTION AND TESTING REQUIREMENTS

2. THE GC SHALL PERFORM AND RECORD THE TEST AND INSPECTION RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE MODIFICATION INSPECTION CHECKLIST.

RECOMMENDATIONS:

1. IT IS SUGGESTED THAT THE GC PROVIDE A MINIMUM OF 5 BUSINESS DAYS NOTICE, TO THE MODIFICATION INSPECTOR AS TO WHEN THE SITE WILL BE READY FOR HE MODIFICATION INSPECTION TO BE CONDUCTED.

- THE GC AND MODIFICATION INSPECTION COORDINATE CLOSELY THROUGHOUT THE ENTIRE PROJECT.
- WHEN POSSIBLE IT IS PREFERRED TO HAVE THE MODIFICATION INSPECTOR AND GC ON-SITE SIMULTANEOUSLY FOR ANY GUY WIRE TENSIONING OR RETENSIONING OPERATIONS.
- IT MAY BE BENEFICIAL TO INSTALL ALL TOWER MODIFICATIONS PRIOR TO CONDUCTING THE FOUNDATION INSPECTION TO ALLOW FOUNDATION AND MODIFICATION INSPECTION(S) DONE IN ONE SITE VISIT.
- WHEN POSSIBLE, IT IS PREFERRED TO HAVE THE GC AND MODIFICATION INSPECTOR ON-SITE DURING THE MODIFICATION INSPECTION. THEREFORE, THE GC MAY CHOOSE TO COORDINATE THE MODIFICATION INSPECTION CAREFULLY TO ENSURE ALL CONSTRUCTION FACILITIES AT THEIR DISPOSAL WHEN THE MI INSPECTOR IS ON SITE.

CANCELLATION OR DELAYS IN SCHEDULED MODIFICATION INSPECTION:

1. IF THE GC AND MODIFICATION INSPECTOR AGREE TO A DATE ON WHICH THE MODIFICATION INSPECTION WILL BE CONDUCTED, AND EITHER ARTY CANCELS OR DELAYS, THE TOWER OWNER SHALL NOT BE RESPONSIBLE FOR ANY COSTS, FEES, LOSS OR DEPOSITS AND/OR OTHER PENALTIES RELATE TO THE CANCELLATION OR DELAY INCURRED BY EITHER PARTY FOR ANY TIME. EXCEPTIONS MAY BE MADE IN THE DELAY/ CANCELLATION IS CAUSED BY WEATHER OR OTHER CONDITIONS THAT MAY COMPROMISE THE SAFETY OF THE PARTIES INVOLVED.

CORRECTION OF FAILING MODIFICATION INSPECTION:

1. IF THE MODIFICATION INSTALLATION WOULD FAIL THE MODIFICATION INSPECTION ("FAILED MODIFICATION INSPECTION"), THE GC SHALL WORK WITH MODIFICATION INSPECTOR TO COORDINATE A REMEDIATION PLAN IN ONE OF TWO WAYS:

- CORRECT FAILING ISSUES TO COMPLY WITH THE SPECIFICATIONS CONTAINED IN THE ORIGINAL CONTRACT DOCUMENTS AND COORDINATE A SUPPLEMENT MODIFICATION INSPECTION. OR, WITH TOWER OWNER'S APPROVAL, THE GC MAY WORK WITH THE ENGINEER OF RECORD TO REXANALYZE THE MODIFICATION/REINFORCEMENT USING AS-BUILT CONDITION.

VERIFICATION INSPECTIONS:

1. TOWER OWNER RESERVES THE RIGHT TO CONDUCT A VERIFICATION INSPECTION TO VERIFY THE ACCURACY AND COMPLETENESS OF PREVIOUSLY COMPLETED MODIFICATION AND INSPECTION(S) ON TOWER MODIFICATION PRODUCTS.

2. VERIFICATION INSPECTION MAY BE CONDUCTED BY AN INDEPENDENT FIRM AFTER A MODIFICATION PROJECT IS COMPLETED, AS MARKED BY THE DATE OF AN ACCEPTED "PASSING MODIFICATION INSPECTION/ MODIFICATION INSPECTION" REPORT FOR THE ORIGINAL PROJECT.

REQUIRED PHOTOS:

1. BETWEEN THE GC AND THE MI INSPECTOR THE FOLLOWING PHOTOGRAPHS ARE TO BE TAKEN AND INCLUDED IN THE MODIFICATION INSPECTION REPORT:

- PREXCONSTRUCTION GENERAL SITE CONDITION
- PHOTOGRAPHS DURING THE REINFORCEMENT MODIFICATION CONSTRUCTION/ERECTION AND INSPECTION
  - RAW MATERIALS
  - PHOTOS OF ALL CRITICAL DETAILS
  - WELD PREPARATION
  - FOUNDATION MODIFICATION
  - BOLT INSTALLATION AND TORQUE
  - FINAL INSTALLED CONDITION
  - SURFACE COATING REPAIR
- POST CONDITION PHOTOGRAPHS
- FINAL INFIELD CONDITION ANY OTHER PHOTOS DEEMED RELEVANT TO SHOW COMPLETE DENTALS OF MODIFICATIONS

2. PHOTOS OF ELEVATED MODIFICATIONS TAKEN FROM THE GROUND SHALL BE CONSIDERED INADEQUATE.

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CROWN CASTLE

PLANS PREPARED BY:

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MODIFICATION DRAWING

6/8/2020

STATE OF CONNECTICUT
JASON CHERONIS
PEN.0032753
LICENSED
PROFESSIONAL ENGINEER

REV.	DATE	DESCRIPTION

SITE INFORMATION:

NEWTOWN/RT - 25
(10091788)

201 SOUTH MAIN STREET
NEWTOWN, CT 06470

SITE NUMBER:

826222

POD NUMBER:	20-44978
DRAWN BY:	TAJ
CHECKED BY:	JGC
DATE:	06/08/2020

SHEET TITLE:

MODIFICATION CHECKLIST

MI-01

Certificate Of Completion

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ID: f0400f8a-377d-4fc0-8ca9-22b15859d5b2

In Person Signer Events	Signature	Timestamp

Editor Delivery Events	Status	Timestamp

Agent Delivery Events	Status	Timestamp

Intermediary Delivery Events	Status	Timestamp

Certified Delivery Events	Status	Timestamp

Carbon Copy Events	Status	Timestamp

Witness Events	Signature	Timestamp

Notary Events	Signature	Timestamp

Envelope Summary Events	Status	Timestamps
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Certified Delivered	Security Checked	8/17/2020 4:06:27 PM
Signing Complete	Security Checked	8/17/2020 4:06:50 PM
Completed	Security Checked	8/17/2020 4:06:50 PM

Payment Events	Status	Timestamps

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To contact us by email, send messages to: esignature@CrownCastle.com
To contact us by paper mail, send correspondence to
Crown Castle
2000 Corporate Drive
Canonsburg, PA 15317

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Mobile Signing:	Apple iOS 7.0 or above; Android 4.0 or above
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Enabled Security Settings:	Allow per session cookies

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Exhibit C

Structural Analysis Report

PAUL J. FORD & COMPANY

Date: August 27, 2020

Stephanie Lipscomb
Crown Castle
370 Mallory Station Rd
Franklin, TN 37067

Paul J. Ford and Company
250 E. Broad St., Ste 600
Columbus, OH 43215
614-221-6679

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Carrier Designation:	***AT&T Mobility* Co-Locate**	
	Carrier Site Number:	10091788
	Carrier Site Name:	NEWTOWN- SOUTH CENTRAL
Crown Castle Designation:	**Crown Castle BU Number:**	826222
	Crown Castle Site Name:	Newtown/RT-25
	Crown Castle JDE Job Number:	605375
	Crown Castle Work Order Number:	1859081
	Crown Castle Order Number:	517105 Rev. 0
Engineering Firm Designation:	**Paul J. Ford and Company Project Number:**	37520-1025.001.7805 R1
Site Data:	**201 South Main Street, Newtown, Fairfield County, CT**	
	Latitude *41° 22' 41.32"*, Longitude *-73° 16' 26.94"*	
	150 Foot - Monopole Tower	

Dear Stephanie Lipscomb,

Paul J. Ford and Company is pleased to submit this **"Structural Analysis Report"** to determine the structural integrity of the above mentioned tower.

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

LC7: Proposed Equipment Configuration **Sufficient Capacity – 97.7%**

This analysis utilizes an ultimate 3-second gust wind speed of 120 mph as required by the 2018 Connecticut State Building Code and Appendix N. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Respectfully submitted by:

STATE OF CONNECTICUT
JUSTIN T. KLINE
No. 30301
LICENSED
PROFESSIONAL ENGINEER

2020.08.27
12:12:17-04'00'

Steven Pozz, EI
Structural Designer
spozz@pauljford.com RMF

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1) INTRODUCTION

This tower is a 150 ft Monopole tower designed by PIROD MANUFACTURES INC. in October of 2000.

The tower has been modified per reinforcement drawings prepared by Paul J. Ford in August of 2013. Reinforcement consists of micro piles.

The tower has been modified per reinforcement drawings prepared by Paul J. Ford in November of 2015. Reinforcement consists of post installed anchor rods.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	120 mph
Exposure Category:	C
Topographic Factor:	1
Ice Thickness:	1.5 in
Wind Speed with Ice:	50 mph
Service Wind Speed:	60 mph

Table 1 - Proposed Equipment Configuration

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
110.0	112.0	3	cci antennas	DMP65R-BU6D	6 1 2 4 1	1-1/4 5/8 3/8 7/8 2" Cond.
		3	cci antennas	OPA65R-BU6D		
		3	ericsson	RRUS 4449 B5/B12		
		3	ericsson	RRUS 8843 B2/B66A_CCIV2		
		3	powerwave technologies	7770.00		
		6	powerwave technologies	LGP21401		
		1	raycap	DC6-48-60-18-8C-EV		
		1	raycap	DC6-48-60-18-8F		
	110.0	3	misc	8' P2.5 STD Pipes connected with (3) SitePro, P/N: SCX45-K		
		3	misc	12'-6" P2 STD pipe Support rail, Connected with (9) Rosenberger Site Solutions, P/N: C10-902-012		
		3	misc	4' P2 STD pipe (F.V. Length), connected with (6) SitePro1, P/N: PUCK		
		1	tower mounts	Platform Mount [LP 303-1]		

Table 2 - Other Considered Equipment

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
148.0	148.0	1	sitepro1	RMQLP-496-HK	13	1-5/8
		3	ericsson	ERICSSON AIR 21 B2A B4P w/ Mount Pipe		
		3	ericsson	KRY 112 144/1_T-MOBILE		
	146.0	3	ericsson	AIR -32 B2A/B66AA w/ Mount Pipe		
		3	ericsson	RADIO 4449 B12/B71		
		3	rfs celwave	APXVAARR24_43-U-NA20 w/ Mount Pipe		
138.0	138.0	1	tower mounts	Platform Mount [LP 601-1]	4	1-1/4
	137.0	3	alcatel lucent	1900MHZ RRH		
		3	alcatel lucent	800MHZ RRH		
		3	alcatel lucent	TD-RRH8X20-25		
		6	rfs celwave	APXVSPP18-C-A20 w/ Mount Pipe		
		3	rfs celwave	APXVTM14-C-120 w/ Mount Pipe		
127.0	127.0	3	alcatel lucent	RRH2X60-700	13	1-5/8
		3	alcatel lucent	RRH2X60-PCS		
		9	commscope	SBNHH-1D65B w/ Mount Pipe		
		1	raycap	RHSDC-3315-PF-48		
		6	rfs celwave	APL866513-42T0 w/ Mount Pipe		
		6	rfs celwave	FD9R6004/2C-3L		
		1	tower mounts	Platform Mount [LP 304-1]		
68.0	68.0	1	gps	GPS_A	1	1/2
		1	tower mounts	Pipe Mount [PM 601-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Remarks	Reference	Source
4-GEOTECHNICAL REPORTS	Dr. Clarence Welti Geotechnica Engineering, 10/16/2000	3536527	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	Pirod, A-117711-F-1001206, 10/17/2000	3917010	CCISITES
4-TOWER MANUFACTURER DRAWINGS	Pirod, A-117711-F-1001206, 10/17/2000	3536528	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	PJF, 37513-1642 BP, 08/20/2013	3963744	CCISITES
4-POST-MODIFICATION INSPECTION	SGS, 130625, 06/30/2014	5156735	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	PJF, 37515-3231.001.7700, 11/19/2015	5982445	CCISITES
4-POST-MODIFICATION INSPECTION	SGS, 156630, 03/16/2016	6139913	CCISITES

3.1) Analysis Method

tnxTower (version 8.0.5.0), a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for various loading cases. Selected output from the analysis is included in Appendix A. When applicable, Crown Castle has calculated and provided the effective area for panel antennas using approved methods following the intent of the TIA-222 Standard.

3.2) Assumptions

1) Tower and structures were maintained in accordance with the TIA-222 standard.
2) The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Tables 1 and 2 and the referenced drawings.
3) The structure was modified in conformance with the referenced modification drawings as shown in the referenced post modification inspection.

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

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L1	150 - 133	Pole	TP26x21.83x0.25	1	-7.76	1220.16	10.0	Pass
L2	133 - 98.42	Pole	TP34.0625x24.7837x0.3125	2	-18.60	1998.51	40.2	Pass
L3	98.42 - 64.75	Pole	TP41.75x32.4898x0.375	3	-26.43	2940.66	50.6	Pass
L4	64.75 - 31.92	Pole	TP49.0625x39.8468x0.375	4	-35.84	3460.78	62.3	Pass
L5	31.92 - 0	Pole	TP56.125x46.9609x0.375	5	-48.63	4075.94	71.7	Pass
							Summary	
						Pole (L5)	71.7	Pass
						RATING =	**71.7**	**Pass**

Table 5 - Tower Component Stresses vs. Capacity – LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	68.4	Pass
1	Base Plate	0	51.7	Pass
1	Base Foundation Steel	0	97.7	Pass
1	Base Foundation Soil Interaction	0	13.4	Pass

Structure Rating (max from all components) =	**97.7%**

Notes:
- All structural ratings are per TIA-222-H Section 15.5.

1) See additional documentation in "Appendix C – Additional Calculations" for calculations supporting the % capacity consumed.

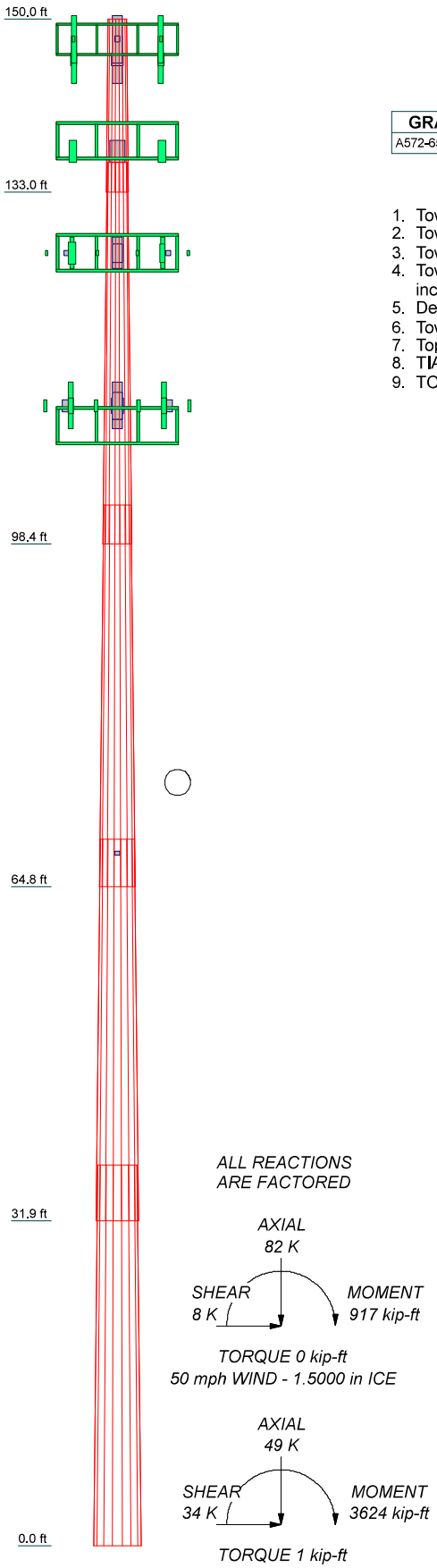
4.1) Recommendations

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

APPENDIX A

TNXTOWER OUTPUT

Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	17.0000	18	0.2500	2.9200	21.8300	26.0000		1.1
2	37.5000	18	0.3125	3.8300	24.7837	34.0625		3.7
3	37.5000	18	0.3750	4.6700	32.4898	41.7500	A572-65	5.6
4	37.5000	18	0.3750	5.5000	39.8468	49.0625		6.7
5	37.4200	18	0.3750		46.9609	56.1250		7.8
								24.8



ALL REACTIONS ARE FACTORED

AXIAL 82 K
SHEAR 8 K
MOMENT 917 kip-ft
TORQUE 0 kip-ft
50 mph WIND - 1.5000 in ICE

AXIAL 49 K
SHEAR 34 K
MOMENT 3624 kip-ft
TORQUE 1 kip-ft
REACTIONS - 120 mph WIND

MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower is located in Fairfield County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 120 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.0000 ft
8. TIA-222-H Annex S
9. TOWER RATING: 71.7%

PJFLogo
Paul J. Ford and Company
250 E. Broad St., Ste 600
Columbus, OH 43215
Phone: 614-221-6679
FAX:

Job: ***150' Monopole / Newtown***			
Project: ***PJF 37520-1025 / BU 826222***			
Client: Crown Castle	Drawn by: Steven Pozz	App'd:	
Code: TIA-222-H	Date: 06/10/20	Scale: NTS	
Path: G:\TOWER\375_Crown_Castle\2020\37520-1025_826222_Newtown-RT~2\37520-1025.001.7805_SA_185908\37520-1025.001.7805.eri		Dwg No. E-1	

Tower Input Data

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

1) Tower is located in Fairfield County, Connecticut.
2) Tower base elevation above sea level: 398.0000 ft.
3) Basic wind speed of 120 mph.
4) Risk Category II.
5) Exposure Category C.
6) Simplified Topographic Factor Procedure for wind speed-up calculations is used.
7) Topographic Category: 1.
8) Crest Height: 0.0000 ft.
9) Nominal ice thickness of 1.5000 in.
10) Ice thickness is considered to increase with height.
11) Ice density of 56.00 pcf.
12) A wind speed of 50 mph is used in combination with ice.
13) Deflections calculated using a wind speed of 60 mph.
14) TIA-222-H Annex S.
15) A non-linear (P-delta) analysis was used.
16) Pressures are calculated at each section.
17) Stress ratio used in pole design is 1.05.
18) Tower analysis based on target reliabilities in accordance with Annex S.
19) Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
20) Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

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

Tapered Pole Section Geometry

Section	*Elevation ft*	*Section Length ft*	*Splice Length ft*	*Number of Sides*	*Top Diameter in*	*Bottom Diameter in*	*Wall Thickness in*	*Bend Radius in*	*Pole Grade*
L1	150.0000-133.0000	17.0000	2.92	18	21.8300	26.0000	0.2500	1.0000	A572-65 (65 ksi)
L2	133.0000-98.4200	37.5000	3.83	18	24.7837	34.0625	0.3125	1.2500	A572-65 (65 ksi)
L3	98.4200-64.7500	37.5000	4.67	18	32.4898	41.7500	0.3750	1.5000	A572-65 (65 ksi)

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L4	64.7500-31.9200	37.5000	5.50	18	39.8468	49.0625	0.3750	1.5000	A572-65 (65 ksi)
L5	31.9200-0.0000	37.4200		18	46.9609	56.1250	0.3750	1.5000	A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L1	22.1282	17.1237	1007.4853	7.6609	11.0896	90.8492	2016.2962	8.5635	3.4021	13.608
	26.3625	20.4326	1711.6544	9.1412	13.2080	129.5922	3425.5610	10.2183	4.1360	16.544
L2	25.8515	24.2724	1836.3792	8.6873	12.5901	145.8585	3675.1749	12.1385	3.8119	12.198
	34.5398	33.4758	4817.4335	11.9812	17.3038	278.4040	9641.2058	16.7411	5.4450	17.424
L3	33.8935	38.2247	4980.7241	11.4008	16.5048	301.7737	9968.0019	19.1160	5.0582	13.489
	42.3362	49.2466	10650.9822	14.6881	21.2090	502.1916	21315.9793	24.6280	6.6880	17.835
L4	41.5690	46.9813	9247.7575	14.0125	20.2422	456.8559	18507.6835	23.4951	6.3530	16.941
	49.7615	57.9503	17355.1378	17.2841	24.9238	696.3293	34733.1119	28.9807	7.9750	21.267
L5	48.9952	55.4488	15203.3083	16.5380	23.8561	637.2918	30426.6216	27.7297	7.6051	20.28
	56.9330	66.3564	26056.1506	19.7913	28.5115	913.8821	52146.5865	33.1845	9.2180	24.581

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_r	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L1 150.0000-133.0000				1	1	1			
L2 133.0000-98.4200				1	1	1			
L3 98.4200-64.7500				1	1	1			
L4 64.7500-31.9200				1	1	1			
L5 31.9200-0.0000				1	1	1			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
**********										
LDF7-50A(1-5/8)	A	No	Surface Ar (CaAa)	148.0000 - 0.0000	13	6	-0.305 -0.142	1.9800		0.82
***										
LDF4-50A(1/2)	A	No	Surface Ar (CaAa)	68.0000 - 0.0000	2	2	0.114 0.180	0.6250		0.15

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
********** ********** ***									
HB114-1-0813U4-M5J(1-1/4)	C	No	No	Inside Pole	138.0000 - 0.0000	3	No Ice	0.0000	1.20
							1/2" Ice	0.0000	1.20
							1" Ice	0.0000	1.20
							2" Ice	0.0000	1.20
***									
LDF7-50A(1-5/8)	C	No	No	Inside Pole	127.0000 - 0.0000	12	No Ice	0.0000	0.82
							1/2" Ice	0.0000	0.82
							1" Ice	0.0000	0.82
							2" Ice	0.0000	0.82
HB158-1-08U8-S8J18(1-5/8)	C	No	No	Inside Pole	127.0000 - 0.0000	1	No Ice	0.0000	1.30
							1/2" Ice	0.0000	1.30
							1" Ice	0.0000	1.30
							2" Ice	0.0000	1.30
***									
LDF2-50A(3/8)	C	No	No	Inside Pole	110.0000 - 0.0000	2	No Ice	0.0000	0.08
							1/2" Ice	0.0000	0.08
							1" Ice	0.0000	0.08
							2" Ice	0.0000	0.08
LDF5-50A(7/8)	C	No	No	Inside Pole	110.0000 - 0.0000	4	No Ice	0.0000	0.33
							1/2" Ice	0.0000	0.33
							1" Ice	0.0000	0.33
							2" Ice	0.0000	0.33
LDF6-50A(1-1/4)	C	No	No	Inside Pole	110.0000 - 0.0000	6	No Ice	0.0000	0.60
							1/2" Ice	0.0000	0.60
							1" Ice	0.0000	0.60
							2" Ice	0.0000	0.60
9776(5/8)	C	No	No	Inside Pole	110.0000 - 0.0000	1	No Ice	0.0000	0.28
							1/2" Ice	0.0000	0.28
							1" Ice	0.0000	0.28
							2" Ice	0.0000	0.28
2" (Nominal) Conduit	C	No	No	Inside Pole	110.0000 - 0.0000	1	No Ice	0.0000	0.72
							1/2" Ice	0.0000	0.72
							1" Ice	0.0000	0.72
							2" Ice	0.0000	0.72

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	150.0000-133.0000	A	0.000	0.000	17.820	0.000	0.16
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.02
L2	133.0000-98.4200	A	0.000	0.000	41.081	0.000	0.37
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.51
L3	98.4200-64.7500	A	0.000	0.000	40.406	0.000	0.36
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.70
L4	64.7500-31.9200	A	0.000	0.000	43.106	0.000	0.36
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.68
L5	31.9200-0.0000	A	0.000	0.000	41.911	0.000	0.35
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.66

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	150.0000-133.0000	A	1.475	0.000	0.000	27.805	0.000	0.54
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.02
L2	133.0000-98.4200	A	1.445	0.000	0.000	64.099	0.000	1.25
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.51
L3	98.4200-64.7500	A	1.395	0.000	0.000	63.841	0.000	1.22
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.70
L4	64.7500-31.9200	A	1.324	0.000	0.000	76.782	0.000	1.29
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.68
L5	31.9200-0.0000	A	1.186	0.000	0.000	73.521	0.000	1.21
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.66

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	150.0000-133.0000	-4.5357	-0.2534	-5.0171	-0.2803
L2	133.0000-98.4200	-5.9550	-0.3327	-5.7153	-0.3193
L3	98.4200-64.7500	-6.6516	-0.4171	-6.1418	-0.4537
L4	64.7500-31.9200	-7.4052	-0.8746	-6.6313	-1.3555
L5	31.9200-0.0000	-7.8919	-0.9388	-6.9360	-1.4074

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

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L1	5	LDF7-50A(1-5/8)	133.00 - 148.00	1.0000	1.0000
L2	5	LDF7-50A(1-5/8)	98.42 - 133.00	1.0000	1.0000
L2	21	LDF4-50A(1/2)	98.42 - 68.00	1.0000	1.0000
L3	5	LDF7-50A(1-5/8)	64.75 - 98.42	1.0000	1.0000
L3	21	LDF4-50A(1/2)	64.75 - 68.00	1.0000	1.0000
L4	5	LDF7-50A(1-5/8)	31.92 - 64.75	1.0000	1.0000
L4	21	LDF4-50A(1/2)	31.92 - 64.75	1.0000	1.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
AIR -32 B2A/B66AA w/ Mount Pipe	A	From Leg	4.0000 0.00 -2.00	0.00	148.0000	No Ice 1/2" Ice 1" Ice 2" Ice	6.7474 7.2017 7.6475 8.5651	6.0700 6.8671 7.5828 9.0629	0.15 0.21 0.28 0.44

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
AIR -32 B2A/B66AA w/ Mount Pipe	B	From Leg	4.0000 0.00 -2.00	0.00	148.0000	No Ice 1/2" Ice 1" Ice 2" Ice	6.7474 7.2017 7.6475 8.5651	6.0700 6.8671 7.5828 9.0629	0.15 0.21 0.28 0.44
AIR -32 B2A/B66AA w/ Mount Pipe	C	From Leg	4.0000 0.00 -2.00	0.00	148.0000	No Ice 1/2" Ice 1" Ice 2" Ice	6.7474 7.2017 7.6475 8.5651	6.0700 6.8671 7.5828 9.0629	0.15 0.21 0.28 0.44
ERICSSON AIR 21 B2A B4P w/ Mount Pipe	A	From Leg	4.0000 0.00 0.00	0.00	148.0000	No Ice 1/2" Ice 1" Ice 2" Ice	6.3292 6.7751 7.2137 8.1168	5.6424 6.4259 7.1313 8.5907	0.11 0.17 0.23 0.38
ERICSSON AIR 21 B2A B4P w/ Mount Pipe	B	From Leg	4.0000 0.00 0.00	0.00	148.0000	No Ice 1/2" Ice 1" Ice 2" Ice	6.3292 6.7751 7.2137 8.1168	5.6424 6.4259 7.1313 8.5907	0.11 0.17 0.23 0.38
ERICSSON AIR 21 B2A B4P w/ Mount Pipe	C	From Leg	4.0000 0.00 0.00	0.00	148.0000	No Ice 1/2" Ice 1" Ice 2" Ice	6.3292 6.7751 7.2137 8.1168	5.6424 6.4259 7.1313 8.5907	0.11 0.17 0.23 0.38
APXVAARR24_43-U-NA20 w/ Mount Pipe	A	From Leg	4.0000 0.00 -2.00	0.00	148.0000	No Ice 1/2" Ice 1" Ice 2" Ice	14.6900 15.4600 16.2300 17.8200	6.8700 7.5500 8.2500 9.6700	0.19 0.31 0.46 0.79
APXVAARR24_43-U-NA20 w/ Mount Pipe	B	From Leg	4.0000 0.00 -2.00	0.00	148.0000	No Ice 1/2" Ice 1" Ice 2" Ice	14.6900 15.4600 16.2300 17.8200	6.8700 7.5500 8.2500 9.6700	0.19 0.31 0.46 0.79
APXVAARR24_43-U-NA20 w/ Mount Pipe	C	From Leg	4.0000 0.00 -2.00	0.00	148.0000	No Ice 1/2" Ice 1" Ice 2" Ice	14.6900 15.4600 16.2300 17.8200	6.8700 7.5500 8.2500 9.6700	0.19 0.31 0.46 0.79
KRY 112 144/1_T-MOBILE	A	From Leg	4.0000 0.00 0.00	0.00	148.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.3500 0.4259 0.5093 0.6981	0.1750 0.2343 0.3009 0.4565	0.01 0.01 0.02 0.03
KRY 112 144/1_T-MOBILE	B	From Leg	4.0000 0.00 0.00	0.00	148.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.3500 0.4259 0.5093 0.6981	0.1750 0.2343 0.3009 0.4565	0.01 0.01 0.02 0.03
KRY 112 144/1_T-MOBILE	C	From Leg	4.0000 0.00 0.00	0.00	148.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.3500 0.4259 0.5093 0.6981	0.1750 0.2343 0.3009 0.4565	0.01 0.01 0.02 0.03
RADIO 4449 B12/B71	A	From Leg	4.0000 0.00 -2.00	0.00	148.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.6500 1.8104 1.9781 2.3359	1.1625 1.3012 1.4473 1.7618	0.07 0.09 0.11 0.16
RADIO 4449 B12/B71	B	From Leg	4.0000 0.00 -2.00	0.00	148.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.6500 1.8104 1.9781 2.3359	1.1625 1.3012 1.4473 1.7618	0.07 0.09 0.11 0.16

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
RADIO 4449 B12/B71	C	From Leg	4.0000 0.00 -2.00	0.00	148.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.6500 1.8104 1.9781 2.3359	1.1625 1.3012 1.4473 1.7618	0.07 0.09 0.11 0.16
RMQLP-496-HK	C	None		0.00	148.0000	No Ice 1/2" Ice 1" Ice 2" Ice	26.2900 32.2500 37.9800 49.4400	26.2900 32.2500 37.9800 49.4400	2.13 2.58 3.17 4.34
***									
(2) APXVSPP18-C-A20 w/ Mount Pipe	A	From Leg	4.0000 0.00 -1.00	0.00	138.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.6000 5.0500 5.5000 6.4400	4.0100 4.4500 4.8900 5.8200	0.10 0.16 0.23 0.42
(2) APXVSPP18-C-A20 w/ Mount Pipe	B	From Leg	4.0000 0.00 -1.00	0.00	138.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.6000 5.0500 5.5000 6.4400	4.0100 4.4500 4.8900 5.8200	0.10 0.16 0.23 0.42
(2) APXVSPP18-C-A20 w/ Mount Pipe	C	From Leg	4.0000 0.00 -1.00	0.00	138.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.6000 5.0500 5.5000 6.4400	4.0100 4.4500 4.8900 5.8200	0.10 0.16 0.23 0.42
APXVTM14-C-120 w/ Mount Pipe	A	From Leg	4.0000 0.00 -1.00	0.00	138.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.0900 4.4800 4.8800 5.7100	2.8600 3.2300 3.6100 4.4000	0.08 0.13 0.19 0.33
APXVTM14-C-120 w/ Mount Pipe	B	From Leg	4.0000 0.00 -1.00	0.00	138.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.0900 4.4800 4.8800 5.7100	2.8600 3.2300 3.6100 4.4000	0.08 0.13 0.19 0.33
APXVTM14-C-120 w/ Mount Pipe	C	From Leg	4.0000 0.00 -1.00	0.00	138.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.0900 4.4800 4.8800 5.7100	2.8600 3.2300 3.6100 4.4000	0.08 0.13 0.19 0.33
1900MHZ RRH	A	From Leg	4.0000 0.00 -1.00	0.00	138.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.4917 2.6954 2.9065 3.3509	3.2583 3.4843 3.7176 4.2065	0.04 0.08 0.11 0.19
1900MHZ RRH	B	From Leg	4.0000 0.00 -1.00	0.00	138.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.4917 2.6954 2.9065 3.3509	3.2583 3.4843 3.7176 4.2065	0.04 0.08 0.11 0.19
1900MHZ RRH	C	From Leg	4.0000 0.00 -1.00	0.00	138.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.4917 2.6954 2.9065 3.3509	3.2583 3.4843 3.7176 4.2065	0.04 0.08 0.11 0.19
800MHZ RRH	A	From Leg	4.0000 0.00 -1.00	0.00	138.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.1342 2.3195 2.5123 2.9201	1.7730 1.9461 2.1267 2.5100	0.05 0.07 0.10 0.16
800MHZ RRH	B	From Leg	4.0000 0.00 -1.00	0.00	138.0000	No Ice 1/2" Ice 1" Ice	2.1342 2.3195 2.5123 2.9201	1.7730 1.9461 2.1267 2.5100	0.05 0.07 0.10 0.16

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
						2" Ice			
800MHZ RRH	C	From Leg	4.0000 0.00 -1.00	0.00	138.0000	No Ice 1/2" Ice 1" Ice 2" Ice	2.1342 2.3195 2.5123 2.9201	1.7730 1.9461 2.1267 2.5100	0.05 0.07 0.10 0.16
TD-RRH8X20-25	A	From Leg	4.0000 0.00 -1.00	0.00	138.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.0455 4.2975 4.5570 5.0981	1.5345 1.7142 1.9008 2.2951	0.07 0.10 0.13 0.20
TD-RRH8X20-25	B	From Leg	4.0000 0.00 -1.00	0.00	138.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.0455 4.2975 4.5570 5.0981	1.5345 1.7142 1.9008 2.2951	0.07 0.10 0.13 0.20
TD-RRH8X20-25	C	From Leg	4.0000 0.00 -1.00	0.00	138.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.0455 4.2975 4.5570 5.0981	1.5345 1.7142 1.9008 2.2951	0.07 0.10 0.13 0.20
2.375" OD x 6' Mount Pipe	A	From Leg	4.0000 0.00 0.00	0.00	138.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.4250 1.9250 2.2939 3.0596	1.4250 1.9250 2.2939 3.0596	0.03 0.04 0.05 0.09
2.375" OD x 6' Mount Pipe	B	From Leg	4.0000 0.00 0.00	0.00	138.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.4250 1.9250 2.2939 3.0596	1.4250 1.9250 2.2939 3.0596	0.03 0.04 0.05 0.09
2.375" OD x 6' Mount Pipe	C	From Leg	4.0000 0.00 0.00	0.00	138.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.4250 1.9250 2.2939 3.0596	1.4250 1.9250 2.2939 3.0596	0.03 0.04 0.05 0.09
Platform Mount [LP 601-1]	C	None		0.00	138.0000	No Ice 1/2" Ice 1" Ice 2" Ice	28.5000 31.6900 34.8700 41.2300	28.5000 31.6900 34.8700 41.2300	1.12 1.68 2.28 3.65
***									
(3) SBNHH-1D65B w/ Mount Pipe	A	From Leg	4.0000 0.00 0.00	0.00	127.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.0900 4.4900 4.8900 5.7200	3.3000 3.6800 4.0700 4.8700	0.07 0.13 0.20 0.39
(3) SBNHH-1D65B w/ Mount Pipe	B	From Leg	4.0000 0.00 0.00	0.00	127.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.0900 4.4900 4.8900 5.7200	3.3000 3.6800 4.0700 4.8700	0.07 0.13 0.20 0.39
(3) SBNHH-1D65B w/ Mount Pipe	C	From Leg	4.0000 0.00 0.00	0.00	127.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.0900 4.4900 4.8900 5.7200	3.3000 3.6800 4.0700 4.8700	0.07 0.13 0.20 0.39
(2) APL866513-42T0 w/ Mount Pipe	A	From Leg	4.0000 0.00 0.00	0.00	127.0000	No Ice 1/2" Ice 1" Ice 2" Ice	3.9600 4.4400 4.9300 5.9800	4.2500 4.7400 5.2500 6.3000	0.03 0.07 0.12 0.24
(2) APL866513-42T0 w/ Mount Pipe	B	From Leg	4.0000 0.00 0.00	0.00	127.0000	No Ice 1/2" Ice	3.9600 4.4400 4.9300	4.2500 4.7400 5.2500	0.03 0.07 0.12

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
						1" Ice	5.9800	6.3000	0.24
						2" Ice			
(2) APL866513-42T0 w/ Mount Pipe	C	From Leg	4.0000	0.00	127.0000	No Ice	3.9600	4.2500	0.03
			0.00			1/2"	4.4400	4.7400	0.07
			0.00			Ice	4.9300	5.2500	0.12
						1" Ice	5.9800	6.3000	0.24
						2" Ice			
(2) FD9R6004/2C-3L	A	From Leg	4.0000	0.00	127.0000	No Ice	0.3142	0.0762	0.00
			0.00			1/2"	0.3862	0.1189	0.01
			0.00			Ice	0.4656	0.1685	0.01
						1" Ice	0.6468	0.2940	0.02
						2" Ice			
(2) FD9R6004/2C-3L	B	From Leg	4.0000	0.00	127.0000	No Ice	0.3142	0.0762	0.00
			0.00			1/2"	0.3862	0.1189	0.01
			0.00			Ice	0.4656	0.1685	0.01
						1" Ice	0.6468	0.2940	0.02
						2" Ice			
(2) FD9R6004/2C-3L	C	From Leg	4.0000	0.00	127.0000	No Ice	0.3142	0.0762	0.00
			0.00			1/2"	0.3862	0.1189	0.01
			0.00			Ice	0.4656	0.1685	0.01
						1" Ice	0.6468	0.2940	0.02
						2" Ice			
RRH2X60-700	A	From Leg	4.0000	0.00	127.0000	No Ice	3.5002	1.8157	0.06
			0.00			1/2"	3.7609	2.0519	0.08
			0.00			Ice	4.0285	2.2894	0.11
						1" Ice	4.5849	2.7852	0.17
						2" Ice			
RRH2X60-700	B	From Leg	4.0000	0.00	127.0000	No Ice	3.5002	1.8157	0.06
			0.00			1/2"	3.7609	2.0519	0.08
			0.00			Ice	4.0285	2.2894	0.11
						1" Ice	4.5849	2.7852	0.17
						2" Ice			
RRH2X60-700	C	From Leg	4.0000	0.00	127.0000	No Ice	3.5002	1.8157	0.06
			0.00			1/2"	3.7609	2.0519	0.08
			0.00			Ice	4.0285	2.2894	0.11
						1" Ice	4.5849	2.7852	0.17
						2" Ice			
RRH2X60-PCS	A	From Leg	4.0000	0.00	127.0000	No Ice	2.2000	1.7233	0.06
			0.00			1/2"	2.3926	1.9015	0.08
			0.00			Ice	2.5926	2.0870	0.10
						1" Ice	3.0148	2.4804	0.16
						2" Ice			
RRH2X60-PCS	B	From Leg	4.0000	0.00	127.0000	No Ice	2.2000	1.7233	0.06
			0.00			1/2"	2.3926	1.9015	0.08
			0.00			Ice	2.5926	2.0870	0.10
						1" Ice	3.0148	2.4804	0.16
						2" Ice			
RRH2X60-PCS	C	From Leg	4.0000	0.00	127.0000	No Ice	2.2000	1.7233	0.06
			0.00			1/2"	2.3926	1.9015	0.08
			0.00			Ice	2.5926	2.0870	0.10
						1" Ice	3.0148	2.4804	0.16
						2" Ice			
RHSDC-3315-PF-48	C	From Leg	4.0000	0.00	127.0000	No Ice	3.7079	2.1921	0.03
			0.00			1/2"	3.9505	2.3950	0.06
			0.00			Ice	4.2005	2.6056	0.10
						1" Ice	4.7227	3.0491	0.18
						2" Ice			
Platform Mount [LP 304-1]	C	None		0.00	127.0000	No Ice	17.4900	17.4900	1.35
						1/2"	21.3700	21.3700	1.71
						Ice	25.2800	25.2800	2.13
						1" Ice	33.1700	33.1700	3.16
						2" Ice			
***									
7770.00	A	From Leg	4.0000	0.00	110.0000	No Ice	5.5085	2.9282	0.04
			0.00				5.8673	3.2730	0.07

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			2.00			1/2" Ice	6.2332	3.6252	0.11
						1" Ice	6.9859	4.3517	0.20
						2" Ice			
7770.00	B	From Leg	4.0000	0.00	110.0000	No Ice	5.5085	2.9282	0.04
			0.00			1/2" Ice	5.8673	3.2730	0.07
			2.00			1" Ice	6.2332	3.6252	0.11
						2" Ice	6.9859	4.3517	0.20
7770.00	C	From Leg	4.0000	0.00	110.0000	No Ice	5.5085	2.9282	0.04
			0.00			1/2" Ice	5.8673	3.2730	0.07
			2.00			1" Ice	6.2332	3.6252	0.11
						2" Ice	6.9859	4.3517	0.20
DMP65R-BU6D	A	From Leg	4.0000	0.00	110.0000	No Ice	11.9300	4.4800	0.09
			0.00			1/2" Ice	12.6800	5.1200	0.16
			2.00			1" Ice	13.4500	5.7800	0.24
						2" Ice	15.0300	7.1600	0.43
DMP65R-BU6D	B	From Leg	4.0000	0.00	110.0000	No Ice	11.9300	4.4800	0.09
			0.00			1/2" Ice	12.6800	5.1200	0.16
			2.00			1" Ice	13.4500	5.7800	0.24
						2" Ice	15.0300	7.1600	0.43
DMP65R-BU6D	C	From Leg	4.0000	0.00	110.0000	No Ice	11.9300	4.4800	0.09
			0.00			1/2" Ice	12.6800	5.1200	0.16
			2.00			1" Ice	13.4500	5.7800	0.24
						2" Ice	15.0300	7.1600	0.43
OPA65R-BU6D	A	From Leg	4.0000	0.00	110.0000	No Ice	12.2200	4.5400	0.06
			0.00			1/2" Ice	12.9800	5.1900	0.14
			2.00			1" Ice	13.7500	5.8600	0.22
						2" Ice	15.3500	7.2400	0.40
OPA65R-BU6D	B	From Leg	4.0000	0.00	110.0000	No Ice	12.2200	4.5400	0.06
			0.00			1/2" Ice	12.9800	5.1900	0.14
			2.00			1" Ice	13.7500	5.8600	0.22
						2" Ice	15.3500	7.2400	0.40
OPA65R-BU6D	C	From Leg	4.0000	0.00	110.0000	No Ice	12.2200	4.5400	0.06
			0.00			1/2" Ice	12.9800	5.1900	0.14
			2.00			1" Ice	13.7500	5.8600	0.22
						2" Ice	15.3500	7.2400	0.40
(2) LGP21401	A	From Leg	4.0000	0.00	110.0000	No Ice	1.1040	0.3471	0.01
			0.00			1/2" Ice	1.2388	0.4422	0.02
			2.00			1" Ice	1.3810	0.5444	0.03
						2" Ice	1.6877	0.7696	0.05
(2) LGP21401	B	From Leg	4.0000	0.00	110.0000	No Ice	1.1040	0.3471	0.01
			0.00			1/2" Ice	1.2388	0.4422	0.02
			2.00			1" Ice	1.3810	0.5444	0.03
						2" Ice	1.6877	0.7696	0.05
(2) LGP21401	C	From Leg	4.0000	0.00	110.0000	No Ice	1.1040	0.3471	0.01
			0.00			1/2" Ice	1.2388	0.4422	0.02
			2.00			1" Ice	1.3810	0.5444	0.03
						2" Ice	1.6877	0.7696	0.05
RRUS 4449 B5/B12	A	From Leg	4.0000	0.00	110.0000	No Ice	1.9675	1.4081	0.07
			0.00			1/2" Ice	2.1439	1.5637	0.09
			2.00			1" Ice	2.3278	1.7267	0.11
						2" Ice	2.7177	2.0749	0.16
RRUS 4449 B5/B12	B	From Leg	4.0000	0.00	110.0000	No Ice	1.9675	1.4081	0.07

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft	Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.00				1/2" Ice	2.1439	1.5637	0.09
			2.00				1" Ice	2.3278	1.7267	0.11
							2" Ice	2.7177	2.0749	0.16
RRUS 4449 B5/B12	C	From Leg	4.0000		0.00	110.0000	No Ice	1.9675	1.4081	0.07
			0.00				1/2" Ice	2.1439	1.5637	0.09
			2.00				1" Ice	2.3278	1.7267	0.11
							2" Ice	2.7177	2.0749	0.16
RRUS 8843 B2/B66A_CCIV2	A	From Leg	4.0000		0.00	110.0000	No Ice	1.9800	1.6950	0.08
			0.00				1/2" Ice	2.1570	1.8615	0.10
			2.00				1" Ice	2.3415	2.0354	0.12
							2" Ice	2.7326	2.4054	0.18
RRUS 8843 B2/B66A_CCIV2	B	From Leg	4.0000		0.00	110.0000	No Ice	1.9800	1.6950	0.08
			0.00				1/2" Ice	2.1570	1.8615	0.10
			2.00				1" Ice	2.3415	2.0354	0.12
							2" Ice	2.7326	2.4054	0.18
RRUS 8843 B2/B66A_CCIV2	C	From Leg	4.0000		0.00	110.0000	No Ice	1.9800	1.6950	0.08
			0.00				1/2" Ice	2.1570	1.8615	0.10
			2.00				1" Ice	2.3415	2.0354	0.12
							2" Ice	2.7326	2.4054	0.18
DC6-48-60-18-8C-EV	A	From Leg	4.0000		0.00	110.0000	No Ice	2.7357	2.7357	0.03
			0.00				1/2" Ice	2.9620	2.9620	0.05
			2.00				1" Ice	3.1953	3.1953	0.08
							2" Ice	3.6830	3.6830	0.15
DC6-48-60-18-8F	A	From Leg	4.0000		0.00	110.0000	No Ice	1.2117	1.2117	0.03
			0.00				1/2" Ice	1.8924	1.8924	0.05
			2.00				1" Ice	2.1051	2.1051	0.08
							2" Ice	2.5703	2.5703	0.14
Platform Mount [LP 301-1]	C	None			0.00	110.0000	No Ice	23.8100	23.8100	1.59
							1/2" Ice	30.2400	30.2400	2.10
							1" Ice	36.3300	36.3300	2.73
							2" Ice	48.0500	48.0500	4.34
2.375" OD x 4' Mount Pipe	A	From Leg	4.0000		0.00	110.0000	No Ice	0.8657	0.8657	0.02
			0.00				1/2" Ice	1.1106	1.1106	0.03
			0.00				1" Ice	1.3648	1.3648	0.04
							2" Ice	1.9008	1.9008	0.06
2.375" OD x 4' Mount Pipe	B	From Leg	4.0000		0.00	110.0000	No Ice	0.8657	0.8657	0.02
			0.00				1/2" Ice	1.1106	1.1106	0.03
			0.00				1" Ice	1.3648	1.3648	0.04
							2" Ice	1.9008	1.9008	0.06
2.375" OD x 4' Mount Pipe	C	From Leg	4.0000		0.00	110.0000	No Ice	0.8657	0.8657	0.02
			0.00				1/2" Ice	1.1106	1.1106	0.03
			0.00				1" Ice	1.3648	1.3648	0.04
							2" Ice	1.9008	1.9008	0.06
***										
GPS_A	A	From Leg	4.0000		0.00	68.0000	No Ice	0.2550	0.2550	0.00
			0.00				1/2" Ice	0.3205	0.3205	0.00
			0.00				1" Ice	0.3934	0.3934	0.01
							2" Ice	0.5614	0.5614	0.02

Tower Pressures - No Ice

G_H = 1.100

Section Elevation ft	z ft	K_Z	q_z psf	A_G ft²	Face	A_F ft²	A_R ft²	A_{leg} ft²	Leg %	C_AA_A In Face ft²	C_AA_A Out Face ft²
L1 150.0000-133.0000	141.2530	1.361	44.635	34.348	A	0.000	34.348	34.348	100.00	17.820	0.000
					B	0.000	34.348		100.00	0.000	0.000
					C	0.000	34.348		100.00	0.000	0.000
L2 133.0000-98.4200	115.0163	1.303	42.715	87.014	A	0.000	87.014	87.014	100.00	41.081	0.000
					B	0.000	87.014		100.00	0.000	0.000
					C	0.000	87.014		100.00	0.000	0.000
L3 98.4200-64.7500	81.1466	1.211	39.664	106.944	A	0.000	106.944	106.944	100.00	40.406	0.000
					B	0.000	106.944		100.00	0.000	0.000
					C	0.000	106.944		100.00	0.000	0.000
L4 64.7500-31.9200	48.1406	1.085	35.451	124.933	A	0.000	124.933	124.933	100.00	43.106	0.000
					B	0.000	124.933		100.00	0.000	0.000
					C	0.000	124.933		100.00	0.000	0.000
L5 31.9200-0.0000	15.9448	0.86	29.229	140.884	A	0.000	140.884	140.884	100.00	41.911	0.000
					B	0.000	140.884		100.00	0.000	0.000
					C	0.000	140.884		100.00	0.000	0.000

Tower Pressure - With Ice

G_H = 1.100

Section Elevation ft	z ft	K_Z	q_z psf	t_Z in	A_G ft²	Face	A_F ft²	A_R ft²	A_{leg} ft²	Leg %	C_AA_A In Face ft²	C_AA_A Out Face ft²
L1 150.0000-133.0000	141.2530	1.361	7.749	1.4745	38.525	A	0.000	38.525	38.525	100.00	27.805	0.000
						B	0.000	38.525		100.00	0.000	0.000
						C	0.000	38.525		100.00	0.000	0.000
L2 133.0000-98.4200	115.0163	1.303	7.416	1.4446	95.512	A	0.000	95.512	95.512	100.00	64.099	0.000
						B	0.000	95.512		100.00	0.000	0.000
						C	0.000	95.512		100.00	0.000	0.000
L3 98.4200-64.7500	81.1466	1.211	6.886	1.3950	115.050	A	0.000	115.050	115.050	100.00	63.841	0.000
						B	0.000	115.050		100.00	0.000	0.000
						C	0.000	115.050		100.00	0.000	0.000
L4 64.7500-31.9200	48.1406	1.085	6.155	1.3241	132.566	A	0.000	132.566	132.566	100.00	76.782	0.000
						B	0.000	132.566		100.00	0.000	0.000
						C	0.000	132.566		100.00	0.000	0.000
L5 31.9200-0.0000	15.9448	0.86	5.075	1.1856	147.928	A	0.000	147.928	147.928	100.00	73.521	0.000
						B	0.000	147.928		100.00	0.000	0.000
						C	0.000	147.928		100.00	0.000	0.000

Tower Pressure - Service

G_H = 1.100

Section Elevation ft	z ft	K_Z	q_z psf	A_G ft²	Face	A_F ft²	A_R ft²	A_{leg} ft²	Leg %	C_AA_A In Face ft²	C_AA_A Out Face ft²
L1 150.0000-133.0000	141.2530	1.361	10.510	34.348	A	0.000	34.348	34.348	100.00	17.820	0.000
					B	0.000	34.348		100.00	0.000	0.000
					C	0.000	34.348		100.00	0.000	0.000
L2 133.0000-98.4200	115.0163	1.303	10.057	87.014	A	0.000	87.014	87.014	100.00	41.081	0.000
					B	0.000	87.014		100.00	0.000	0.000
					C	0.000	87.014		100.00	0.000	0.000
L3 98.4200-64.7500	81.1466	1.211	9.339	106.944	A	0.000	106.944	106.944	100.00	40.406	0.000
					B	0.000	106.944		100.00	0.000	0.000
					C	0.000	106.944		100.00	0.000	0.000
L4 64.7500-31.9200	48.1406	1.085	8.347	124.933	A	0.000	124.933	124.933	100.00	43.106	0.000
					B	0.000	124.933		100.00	0.000	0.000
					C	0.000	124.933		100.00	0.000	0.000
L5 31.9200-0.0000	15.9448	0.86	6.882	140.884	A	0.000	140.884	140.884	100.00	41.911	0.000
					B	0.000	140.884		100.00	0.000	0.000
					C	0.000	140.884		100.00	0.000	0.000

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice
3	0.9 Dead+1.0 Wind 0 deg - No Ice
4	1.2 Dead+1.0 Wind 30 deg - No Ice
5	0.9 Dead+1.0 Wind 30 deg - No Ice
6	1.2 Dead+1.0 Wind 60 deg - No Ice
7	0.9 Dead+1.0 Wind 60 deg - No Ice
8	1.2 Dead+1.0 Wind 90 deg - No Ice
9	0.9 Dead+1.0 Wind 90 deg - No Ice
10	1.2 Dead+1.0 Wind 120 deg - No Ice
11	0.9 Dead+1.0 Wind 120 deg - No Ice
12	1.2 Dead+1.0 Wind 150 deg - No Ice
13	0.9 Dead+1.0 Wind 150 deg - No Ice
14	1.2 Dead+1.0 Wind 180 deg - No Ice
15	0.9 Dead+1.0 Wind 180 deg - No Ice
16	1.2 Dead+1.0 Wind 210 deg - No Ice
17	0.9 Dead+1.0 Wind 210 deg - No Ice
18	1.2 Dead+1.0 Wind 240 deg - No Ice
19	0.9 Dead+1.0 Wind 240 deg - No Ice
20	1.2 Dead+1.0 Wind 270 deg - No Ice
21	0.9 Dead+1.0 Wind 270 deg - No Ice
22	1.2 Dead+1.0 Wind 300 deg - No Ice
23	0.9 Dead+1.0 Wind 300 deg - No Ice
24	1.2 Dead+1.0 Wind 330 deg - No Ice
25	0.9 Dead+1.0 Wind 330 deg - No Ice
26	1.2 Dead+1.0 Ice
27	1.2 Dead+1.0 Wind 0 deg+1.0 Ice
28	1.2 Dead+1.0 Wind 30 deg+1.0 Ice
29	1.2 Dead+1.0 Wind 60 deg+1.0 Ice
30	1.2 Dead+1.0 Wind 90 deg+1.0 Ice
31	1.2 Dead+1.0 Wind 120 deg+1.0 Ice
32	1.2 Dead+1.0 Wind 150 deg+1.0 Ice
33	1.2 Dead+1.0 Wind 180 deg+1.0 Ice
34	1.2 Dead+1.0 Wind 210 deg+1.0 Ice
35	1.2 Dead+1.0 Wind 240 deg+1.0 Ice
36	1.2 Dead+1.0 Wind 270 deg+1.0 Ice
37	1.2 Dead+1.0 Wind 300 deg+1.0 Ice
38	1.2 Dead+1.0 Wind 330 deg+1.0 Ice
39	Dead+Wind 0 deg - Service
40	Dead+Wind 30 deg - Service
41	Dead+Wind 60 deg - Service
42	Dead+Wind 90 deg - Service
43	Dead+Wind 120 deg - Service
44	Dead+Wind 150 deg - Service
45	Dead+Wind 180 deg - Service
46	Dead+Wind 210 deg - Service
47	Dead+Wind 240 deg - Service
48	Dead+Wind 270 deg - Service
49	Dead+Wind 300 deg - Service
50	Dead+Wind 330 deg - Service

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	150 - 133	Pole	Max Tension	8	0.00	0.00	-0.00
			Max. Compression	26	-18.62	0.56	0.33
			Max. Mx	20	-7.94	64.98	0.10
			Max. My	2	-7.76	0.14	72.96
			Max. Vy	20	-9.78	64.98	0.10
			Max. Vx	2	-10.94	0.14	72.96
			Max. Torque	14			-0.56
L2	133 - 98.42	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-42.13	3.10	2.32

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Mx	20	-18.90	584.29	0.05
			Max. My	2	-18.60	0.22	650.88
			Max. Vy	20	-21.24	584.29	0.05
			Max. Vx	2	-23.45	0.22	650.88
			Max. Torque	15			-1.05
L3	98.42 - 64.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-52.89	5.33	3.63
			Max. Mx	20	-26.68	1334.95	-0.40
			Max. My	2	-26.43	0.06	1483.84
			Max. Vy	20	-24.45	1334.95	-0.40
			Max. Vx	2	-27.24	0.06	1483.84
			Max. Torque	15			-1.05
L4	64.75 - 31.92	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-65.43	7.87	5.20
			Max. Mx	20	-35.99	2169.02	-0.78
			Max. My	2	-35.84	0.02	2412.68
			Max. Vy	20	-27.56	2169.02	-0.78
			Max. Vx	2	-30.67	0.02	2412.68
			Max. Torque	15			-1.05
L5	31.92 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-81.80	10.92	6.96
			Max. Mx	20	-48.63	3261.82	-1.15
			Max. My	2	-48.63	0.09	3623.74
			Max. Vy	20	-30.65	3261.82	-1.15
			Max. Vx	2	-33.85	0.09	3623.74
			Max. Torque	15			-1.05

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	26	81.80	-0.00	-0.00
	Max. H_x	21	36.48	30.63	-0.03
	Max. H_z	3	36.49	-0.03	33.82
	Max. M_x	2	3623.74	-0.03	33.82
	Max. M_z	8	3254.96	-30.63	0.03
	Max. Torsion	3	1.04	-0.03	33.82
	Min. Vert	21	36.48	30.63	-0.03
	Min. H_x	9	36.48	-30.63	0.03
	Min. H_z	15	36.49	0.03	-33.82
	Min. M_x	14	-3619.35	0.03	-33.82
	Min. M_z	20	-3261.82	30.63	-0.03
	Min. Torsion	15	-1.04	0.03	-33.82

Tower Mast Reaction Summary

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
Dead Only	40.54	0.00	0.00	-1.75	2.74	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	48.65	0.03	-33.82	-3623.74	0.09	-1.04
0.9 Dead+1.0 Wind 0 deg - No Ice	36.49	0.03	-33.82	-3584.08	-0.76	-1.04
1.2 Dead+1.0 Wind 30 deg - No Ice	48.65	15.91	-27.50	-2935.73	-1694.10	-0.62
0.9 Dead+1.0 Wind 30 deg - No Ice	36.49	15.91	-27.50	-2903.49	-1676.66	-0.63
1.2 Dead+1.0 Wind 60 deg - No Ice	48.65	26.54	-15.32	-1632.61	-2820.51	-0.72

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
0.9 Dead+1.0 Wind 60 deg - No Ice	36.49	26.54	-15.32	-1614.41	-2790.87	-0.72
1.2 Dead+1.0 Wind 90 deg - No Ice	48.65	30.63	-0.03	-5.54	-3254.96	-0.62
0.9 Dead+1.0 Wind 90 deg - No Ice	36.48	30.63	-0.03	-4.94	-3220.79	-0.62
1.2 Dead+1.0 Wind 120 deg - No Ice	48.65	26.51	15.28	1622.42	-2817.17	-0.35
0.9 Dead+1.0 Wind 120 deg - No Ice	36.49	26.51	15.28	1605.43	-2787.57	-0.35
1.2 Dead+1.0 Wind 150 deg - No Ice	48.65	15.49	26.83	2858.97	-1648.46	0.01
0.9 Dead+1.0 Wind 150 deg - No Ice	36.49	15.49	26.83	2828.60	-1631.48	0.01
1.2 Dead+1.0 Wind 180 deg - No Ice	48.65	-0.03	33.82	3619.35	6.77	1.04
0.9 Dead+1.0 Wind 180 deg - No Ice	36.49	-0.03	33.82	3580.83	5.85	1.04
1.2 Dead+1.0 Wind 210 deg - No Ice	48.65	-15.91	27.50	2931.33	1700.98	0.62
0.9 Dead+1.0 Wind 210 deg - No Ice	36.49	-15.91	27.50	2900.23	1681.76	0.63
1.2 Dead+1.0 Wind 240 deg - No Ice	48.65	-26.54	15.32	1628.20	2827.38	0.72
0.9 Dead+1.0 Wind 240 deg - No Ice	36.49	-26.54	15.32	1611.15	2795.96	0.72
1.2 Dead+1.0 Wind 270 deg - No Ice	48.65	-30.63	0.03	1.15	3261.82	0.61
0.9 Dead+1.0 Wind 270 deg - No Ice	36.48	-30.63	0.03	1.68	3225.88	0.62
1.2 Dead+1.0 Wind 300 deg - No Ice	48.65	-26.51	-15.28	-1626.81	2824.04	0.35
0.9 Dead+1.0 Wind 300 deg - No Ice	36.49	-26.51	-15.28	-1608.68	2792.66	0.35
1.2 Dead+1.0 Wind 330 deg - No Ice	48.65	-15.49	-26.83	-2863.36	1655.33	-0.01
0.9 Dead+1.0 Wind 330 deg - No Ice	36.49	-15.49	-26.83	-2831.85	1636.58	-0.01
1.2 Dead+1.0 Ice	81.80	0.00	0.00	-6.96	10.92	-0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice	81.80	0.00	-8.42	-917.41	10.47	-0.19
1.2 Dead+1.0 Wind 30 deg+1.0 Ice	81.80	4.16	-7.20	-779.77	-435.73	-0.15
1.2 Dead+1.0 Wind 60 deg+1.0 Ice	81.80	7.20	-4.16	-453.58	-762.20	-0.18
1.2 Dead+1.0 Wind 90 deg+1.0 Ice	81.80	8.31	-0.00	-7.75	-881.46	-0.16
1.2 Dead+1.0 Wind 120 deg+1.0 Ice	81.80	7.20	4.15	438.25	-761.55	-0.10
1.2 Dead+1.0 Wind 150 deg+1.0 Ice	81.80	4.15	7.19	764.92	-434.60	-0.01
1.2 Dead+1.0 Wind 180 deg+1.0 Ice	81.80	-0.00	8.42	903.21	11.78	0.19
1.2 Dead+1.0 Wind 210 deg+1.0 Ice	81.80	-4.16	7.20	765.58	457.99	0.15
1.2 Dead+1.0 Wind 240 deg+1.0 Ice	81.80	-7.20	4.16	439.38	784.46	0.18
1.2 Dead+1.0 Wind 270 deg+1.0 Ice	81.80	-8.31	0.00	-6.44	903.72	0.16
1.2 Dead+1.0 Wind 300 deg+1.0 Ice	81.80	-7.20	-4.15	-452.45	783.80	0.10
1.2 Dead+1.0 Wind 330 deg+1.0 Ice	81.80	-4.15	-7.19	-779.12	456.86	0.01
Dead+Wind 0 deg - Service	40.54	0.01	-7.96	-849.30	2.06	-0.25
Dead+Wind 30 deg - Service	40.54	3.75	-6.48	-688.17	-394.32	-0.15
Dead+Wind 60 deg - Service	40.54	6.25	-3.61	-383.25	-657.80	-0.17
Dead+Wind 90 deg - Service	40.54	7.21	-0.01	-2.61	-759.55	-0.15
Dead+Wind 120 deg - Service	40.54	6.24	3.60	378.25	-657.02	-0.08

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
Dead+Wind 150 deg - Service	40.54	3.65	6.32	667.55	-383.62	0.00
Dead+Wind 180 deg - Service	40.54	-0.01	7.96	845.66	3.63	0.25
Dead+Wind 210 deg - Service	40.54	-3.75	6.48	684.52	400.01	0.15
Dead+Wind 240 deg - Service	40.54	-6.25	3.61	379.60	663.50	0.17
Dead+Wind 270 deg - Service	40.54	-7.21	0.01	-1.04	765.25	0.15
Dead+Wind 300 deg - Service	40.54	-6.24	-3.60	-381.89	662.71	0.08
Dead+Wind 330 deg - Service	40.54	-3.65	-6.32	-671.20	389.31	-0.00

Solution Summary

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX K	PY K	PZ K	PX K	PY K	PZ K	% Error
1	0.00	-40.54	0.00	-0.00	40.54	-0.00	0.000%
2	0.03	-48.65	-33.82	-0.03	48.65	33.82	0.003%
3	0.03	-36.49	-33.82	-0.03	36.49	33.82	0.002%
4	15.91	-48.65	-27.50	-15.91	48.65	27.50	0.000%
5	15.91	-36.49	-27.50	-15.91	36.49	27.50	0.000%
6	26.54	-48.65	-15.32	-26.54	48.65	15.32	0.000%
7	26.54	-36.49	-15.32	-26.54	36.49	15.32	0.000%
8	30.63	-48.65	-0.03	-30.63	48.65	0.03	0.006%
9	30.63	-36.49	-0.03	-30.63	36.48	0.03	0.005%
10	26.51	-48.65	15.28	-26.51	48.65	-15.28	0.000%
11	26.51	-36.49	15.28	-26.51	36.49	-15.28	0.000%
12	15.49	-48.65	26.83	-15.49	48.65	-26.83	0.000%
13	15.49	-36.49	26.83	-15.49	36.49	-26.83	0.000%
14	-0.03	-48.65	33.82	0.03	48.65	-33.82	0.003%
15	-0.03	-36.49	33.82	0.03	36.49	-33.82	0.002%
16	-15.91	-48.65	27.50	15.91	48.65	-27.50	0.000%
17	-15.91	-36.49	27.50	15.91	36.49	-27.50	0.000%
18	-26.54	-48.65	15.32	26.54	48.65	-15.32	0.000%
19	-26.54	-36.49	15.32	26.54	36.49	-15.32	0.000%
20	-30.63	-48.65	0.03	30.63	48.65	-0.03	0.006%
21	-30.63	-36.49	0.03	30.63	36.48	-0.03	0.005%
22	-26.51	-48.65	-15.28	26.51	48.65	15.28	0.000%
23	-26.51	-36.49	-15.28	26.51	36.49	15.28	0.000%
24	-15.49	-48.65	-26.83	15.49	48.65	26.83	0.000%
25	-15.49	-36.49	-26.83	15.49	36.49	26.83	0.000%
26	0.00	-81.80	0.00	-0.00	81.80	-0.00	0.001%
27	0.00	-81.80	-8.43	-0.00	81.80	8.42	0.002%
28	4.16	-81.80	-7.20	-4.16	81.80	7.20	0.002%
29	7.20	-81.80	-4.16	-7.20	81.80	4.16	0.002%
30	8.31	-81.80	-0.00	-8.31	81.80	0.00	0.002%
31	7.20	-81.80	4.15	-7.20	81.80	-4.15	0.002%
32	4.15	-81.80	7.19	-4.15	81.80	-7.19	0.002%
33	-0.00	-81.80	8.43	0.00	81.80	-8.42	0.002%
34	-4.16	-81.80	7.20	4.16	81.80	-7.20	0.002%
35	-7.20	-81.80	4.16	7.20	81.80	-4.16	0.002%
36	-8.31	-81.80	0.00	8.31	81.80	-0.00	0.002%
37	-7.20	-81.80	-4.15	7.20	81.80	4.15	0.002%
38	-4.15	-81.80	-7.19	4.15	81.80	7.19	0.002%
39	0.01	-40.54	-7.96	-0.01	40.54	7.96	0.002%
40	3.75	-40.54	-6.48	-3.75	40.54	6.48	0.002%
41	6.25	-40.54	-3.61	-6.25	40.54	3.61	0.002%
42	7.21	-40.54	-0.01	-7.21	40.54	0.01	0.002%
43	6.24	-40.54	3.60	-6.24	40.54	-3.60	0.002%
44	3.65	-40.54	6.32	-3.65	40.54	-6.32	0.002%
45	-0.01	-40.54	7.96	0.01	40.54	-7.96	0.002%
46	-3.75	-40.54	6.48	3.75	40.54	-6.48	0.002%
47	-6.25	-40.54	3.61	6.25	40.54	-3.61	0.002%
48	-7.21	-40.54	0.01	7.21	40.54	-0.01	0.002%

Load Comb.	Sum of Applied Forces PX K	PY K	PZ K	Sum of Reactions PX K	PY K	PZ K	% Error
49	-6.24	-40.54	-3.60	6.24	40.54	3.60	0.002%
50	-3.65	-40.54	-6.32	3.65	40.54	6.32	0.002%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	8	0.00003768	0.00008961
3	Yes	8	0.00002416	0.00007046
4	Yes	11	0.00000001	0.00010454
5	Yes	11	0.00000001	0.00007403
6	Yes	11	0.00000001	0.00009727
7	Yes	11	0.00000001	0.00006934
8	Yes	7	0.00010032	0.00013062
9	Yes	7	0.00006593	0.00011113
10	Yes	11	0.00000001	0.00009502
11	Yes	11	0.00000001	0.00006777
12	Yes	11	0.00000001	0.00009910
13	Yes	11	0.00000001	0.00007053
14	Yes	8	0.00003768	0.00009925
15	Yes	8	0.00002416	0.00007760
16	Yes	11	0.00000001	0.00010673
17	Yes	11	0.00000001	0.00007560
18	Yes	11	0.00000001	0.00009540
19	Yes	11	0.00000001	0.00006792
20	Yes	7	0.00010030	0.00011560
21	Yes	7	0.00006592	0.00010020
22	Yes	11	0.00000001	0.00009650
23	Yes	11	0.00000001	0.00006870
24	Yes	11	0.00000001	0.00010038
25	Yes	11	0.00000001	0.00007130
26	Yes	4	0.00000001	0.00001485
27	Yes	8	0.00014180	0.00001708
28	Yes	8	0.00014159	0.00006827
29	Yes	8	0.00014156	0.00007344
30	Yes	8	0.00014170	0.00001423
31	Yes	8	0.00014155	0.00006647
32	Yes	8	0.00014156	0.00006712
33	Yes	8	0.00014177	0.00001690
34	Yes	8	0.00014158	0.00007495
35	Yes	8	0.00014160	0.00006985
36	Yes	8	0.00014176	0.00001457
37	Yes	8	0.00014161	0.00007643
38	Yes	8	0.00014161	0.00007564
39	Yes	7	0.00000001	0.00003441
40	Yes	7	0.00000001	0.00006810
41	Yes	7	0.00000001	0.00006738
42	Yes	7	0.00000001	0.00002807
43	Yes	7	0.00000001	0.00006138
44	Yes	7	0.00000001	0.00006495
45	Yes	7	0.00000001	0.00003443
46	Yes	7	0.00000001	0.00007554
47	Yes	7	0.00000001	0.00006086
48	Yes	7	0.00000001	0.00002825
49	Yes	7	0.00000001	0.00006580
50	Yes	7	0.00000001	0.00006859

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	150 - 133	21.52	39	1.19	0.00
L2	135.92 - 98.42	18.03	39	1.17	0.00
L3	102.25 - 64.75	10.38	39	0.95	0.00

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L4	69.42 - 31.92	4.80	39	0.65	0.00
L5	37.42 - 0	1.41	39	0.34	0.00

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
148.0000	AIR -32 B2A/B66AA w/ Mount Pipe	39	21.02	1.19	0.00	53487
138.0000	(2) APXVSPP18-C-A20 w/ Mount Pipe	39	18.54	1.18	0.00	22325
127.0000	(3) SBNHH-1D65B w/ Mount Pipe	39	15.87	1.14	0.00	12229
110.0000	7770.00	39	12.00	1.02	0.00	7284
68.0000	GPS_A	39	4.60	0.64	0.00	6341

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	150 - 133	91.89	2	5.08	0.01
L2	135.92 - 98.42	76.98	2	5.01	0.01
L3	102.25 - 64.75	44.33	2	4.07	0.00
L4	69.42 - 31.92	20.48	2	2.78	0.00
L5	37.42 - 0	6.01	2	1.46	0.00

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
148.0000	AIR -32 B2A/B66AA w/ Mount Pipe	2	89.76	5.08	0.01	12679
138.0000	(2) APXVSPP18-C-A20 w/ Mount Pipe	2	79.16	5.03	0.01	5291
127.0000	(3) SBNHH-1D65B w/ Mount Pipe	2	67.77	4.86	0.01	2897
110.0000	7770.00	2	51.24	4.35	0.00	1723
68.0000	GPS_A	2	19.64	2.72	0.00	1490

Compression Checks
Pole Design Data

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L1	150 - 133 (1)	TP26x21.83x0.25	17.0000	0.0000	0.0	19.8643	-7.76	1162.06	0.007
L2	133 - 98.42 (2)	TP34.0625x24.7837x0.3125	37.5000	0.0000	0.0	32.5358	-18.60	1903.34	0.010
L3	98.42 - 64.75 (3)	TP41.75x32.4898x0.375	37.5000	0.0000	0.0	47.8740	-26.43	2800.63	0.009
L4	64.75 - 31.92 (4)	TP49.0625x39.8468x0.375	37.5000	0.0000	0.0	56.3415	-35.84	3295.98	0.011
L5	31.92 - 0 (5)	TP56.125x46.9609x0.375	37.4200	0.0000	0.0	66.3564	-48.63	3881.85	0.013

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	150 - 133 (1)	TP26x21.83x0.25	72.96	748.47	0.097	0.00	748.47	0.000
L2	133 - 98.42 (2)	TP34.0625x24.7837x0.3125	650.88	1587.37	0.410	0.00	1587.37	0.000
L3	98.42 - 64.75 (3)	TP41.75x32.4898x0.375	1483.84	2847.69	0.521	0.00	2847.69	0.000
L4	64.75 - 31.92 (4)	TP49.0625x39.8468x0.375	2412.68	3755.80	0.642	0.00	3755.80	0.000
L5	31.92 - 0 (5)	TP56.125x46.9609x0.375	3623.74	4897.52	0.740	0.00	4897.52	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	150 - 133 (1)	TP26x21.83x0.25	10.94	348.62	0.031	0.56	764.29	0.001
L2	133 - 98.42 (2)	TP34.0625x24.7837x0.3125	23.45	563.64	0.042	1.05	1640.30	0.001
L3	98.42 - 64.75 (3)	TP41.75x32.4898x0.375	27.24	831.88	0.033	1.04	2959.50	0.000
L4	64.75 - 31.92 (4)	TP49.0625x39.8468x0.375	30.67	981.00	0.031	1.04	4098.98	0.000
L5	31.92 - 0 (5)	TP56.125x46.9609x0.375	33.85	1155.96	0.029	1.04	5685.72	0.000

Pole Interaction Design Data

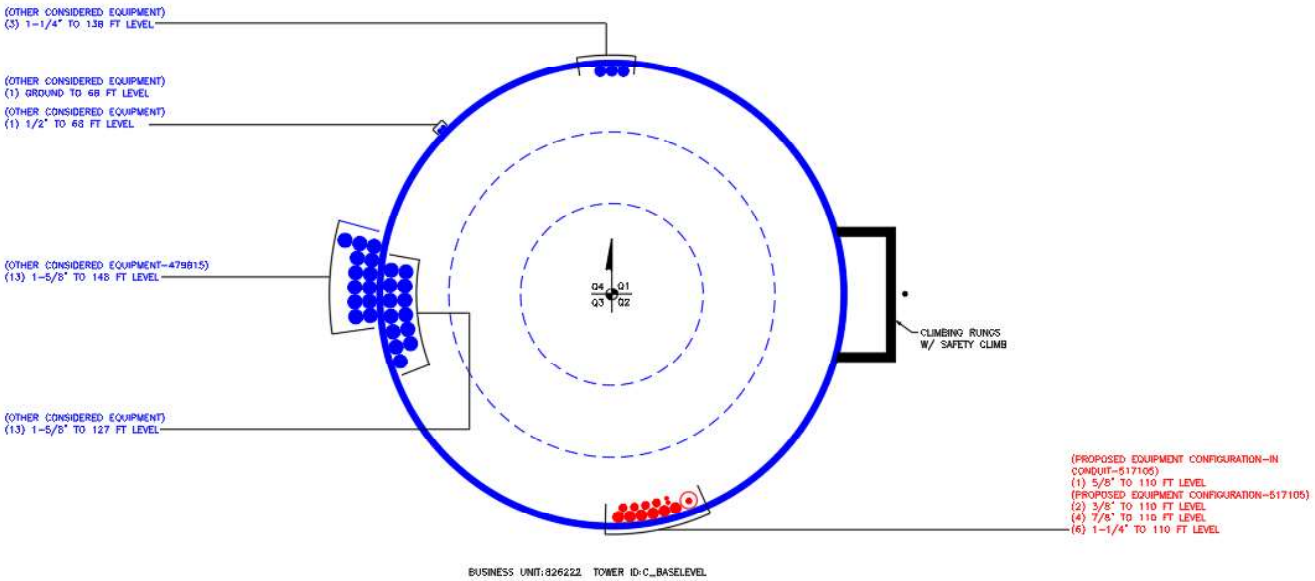
Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	150 - 133 (1)	0.007	0.097	0.000	0.031	0.001	0.105	1.050	4.8.2
L2	133 - 98.42 (2)	0.010	0.410	0.000	0.042	0.001	0.422	1.050	4.8.2
L3	98.42 - 64.75 (3)	0.009	0.521	0.000	0.033	0.000	0.532	1.050	4.8.2
L4	64.75 - 31.92 (4)	0.011	0.642	0.000	0.031	0.000	0.654	1.050	4.8.2
L5	31.92 - 0 (5)	0.013	0.740	0.000	0.029	0.000	0.753	1.050	4.8.2

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	150 - 133	Pole	TP26x21.83x0.25	1	-7.76	1220.16	10.0	Pass
L2	133 - 98.42	Pole	TP34.0625x24.7837x0.3125	2	-18.60	1998.51	40.2	Pass
L3	98.42 - 64.75	Pole	TP41.75x32.4898x0.375	3	-26.43	2940.66	50.6	Pass
L4	64.75 - 31.92	Pole	TP49.0625x39.8468x0.375	4	-35.84	3460.78	62.3	Pass
L5	31.92 - 0	Pole	TP56.125x46.9609x0.375	5	-48.63	4075.94	71.7	Pass
							Summary	
						Pole (L5)	71.7	Pass
						RATING =	**71.7**	**Pass**

APPENDIX B

BASE LEVEL DRAWING


(OTHER CONSIDERED EQUIPMENT)
(3) 1-1/4" TO 138 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(1) GROUND TO 68 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(1) 1/2" TO 68 FT LEVEL
(OTHER CONSIDERED EQUIPMENT-479815)
(13) 1-5/8" TO 148 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(13) 1-5/8" TO 127 FT LEVEL
Q4
Q1
Q3
Q2
CLIMBING RUNGS
W/ SAFETY CLIMB
(PROPOSED EQUIPMENT CONFIGURATION-IN CONDUIT-517105)
(1) 5/8" TO 110 FT LEVEL
(PROPOSED EQUIPMENT CONFIGURATION-517105)
(2) 3/8" TO 110 FT LEVEL
(4) 7/8" TO 110 FT LEVEL
(6) 1-1/4" TO 110 FT LEVEL
BUSINESS UNIT:826222 TOWER ID:C_BASELEVEL

APPENDIX C

ADDITIONAL CALCULATIONS

Program Version 8.0.5.0 - 11/28/2018 File:G:/TOWER/375_Crown_Castle/2020/37520-1025_826222_Newtown-RT-25/37520-1025.001.7805_SA_1859081/37520-1025.001.7805.eri

Program Version 8.0.5.0 - 11/28/2018 File:G:/TOWER/375_Crown_Castle/2020/37520-1025_826222_Newtown-RT-25/37520-1025.001.7805_SA_1859081/37520-1025.001.7805.eri

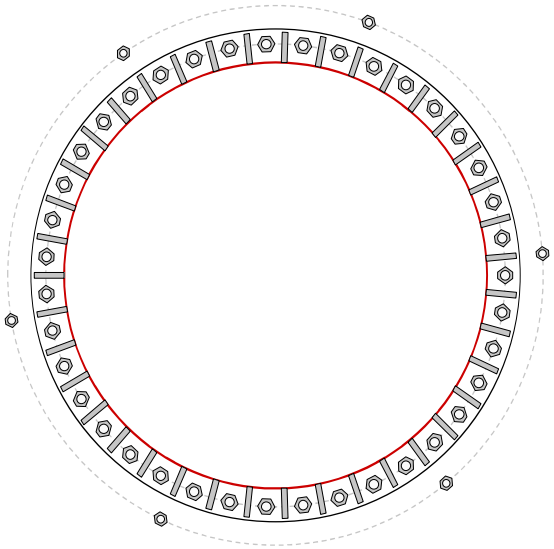
Monopole Base Plate Connection

Site Info	
BU #	826222
Site Name	Newtown/RT-25
Order #	517105 Rev. 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{ar} (in)	0.875

Applied Loads	
Moment (kip-ft)	3623.74
Axial Force (kips)	48.63
Shear Force (kips)	33.85

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

GROUP 1: (39) 1-1/4" ø bolts (A687 (PIROD) N; Fy=105 ksi, Fu=125 ksi) on 61" BC
GROUP 2: (6) 1" ø bolts (DWYIDAG N; Fy=125 ksi, Fu=125 ksi) on 71.13" BC

Base Plate Data

65" OD x 1.5" Plate (A572-50; Fy=50 ksi, Fu=65 ksi)

Stiffener Data

(39) 12"H x 4"W x 0.75"T, Notch: 0.5"
plate: Fy= 50 ksi ; weld: Fy= 70 ksi
horiz. weld: 0.5" fillet
vert. weld: 0.5" fillet

Pole Data

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

Analysis Results

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

GROUP 1:		
Pu_c = 63.02	ϕPn_c = 115.97	**Stress Rating**
Vu = 0.87	ϕVn = 52.19	**51.8%**
Mu = n/a	ϕMn = n/a	**Pass**
GROUP 2:		
Pu_c = 63.18	ϕPn_c = 87.99	**Stress Rating**
Vu = 0	ϕVn = 43.03	**68.4%**
Mu = 0	ϕMn = 21.11	**Pass**

Base Plate Summary

Max Stress (ksi):	5.25	(Shear)
Allowable Stress (ksi):	29.25	
Stress Rating:	**17.1%**	**Pass**

Stiffener Summary

Horizontal Weld:	**51.7%**	**Pass**
Vertical Weld:	**17.2%**	**Pass**
Plate Flexure+Shear:	**7.7%**	**Pass**
Plate Tension+Shear:	**34.8%**	**Pass**
Plate Compression:	**36.4%**	**Pass**

Pole Summary

Punching Shear:	**6.2%**	**Pass**

Pier and Pad Foundation

BU # :	826222
Site Name:	Newtown/RT-25
App. Number:	517105 Rev. 0

TIA-222 Revision:	H
Tower Type:	Monopole

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

Superstructure Analysis Reactions		
Compression, P_{comp}:	49	kips
Base Shear, Vu_comp:	34	kips
Moment, M_u:	3624	ft-kips
Tower Height, **H**:	150	ft
BP Dist. Above Fdn, bp_{dist}:	3.625	in

Pier Properties		
Pier Shape:	Circular	
Pier Diameter, **dpier**:	7	ft
Ext. Above Grade, **E**:	0.5	ft
Pier Rebar Size, **Sc**:	8	
Pier Rebar Quantity, **mc**:	36	
Pier Tie/Spiral Size, **St**:	4	
Pier Tie/Spiral Quantity, **mt**:	9	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier}:	3	in

Pad Properties		
Depth, **D**:	6	ft
Pad Width, **W**:	21	ft
Pad Thickness, **T**:	2	ft
Pad Rebar Size (Bottom), **Sp**:	8	
Pad Rebar Quantity (Bottom), **mp**:	27	
Pad Clear Cover, cc_{pad}:	3	in

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

Soil Properties		
Total Soil Unit Weight, γ:	125	pcf
Ultimate Net Bearing, Qnet:	30.000	ksf
Cohesion, **Cu**:	0.000	ksf
Friction Angle, φ:	35	degrees
SPT Blow Count, N_{blows}:	29	
Base Friction, μ:	0.4	
Neglected Depth, **N**:	3.40	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, **gw**:	n/a	ft

<--Toggle between Gross and Net

Foundation Analysis Checks	Capacity	Demand	Rating*	Check
Lateral (Sliding) (kips)	186.13	34.00	**17.4%**	**Pass**
Bearing Pressure (ksf)				
*Overturning (kip*ft)*				
*Pier Flexure (Comp.) (kip*ft)*	4728.94	3777.00	**76.1%**	**Pass**
Pier Compression (kip)	24494.62	80.17	**0.3%**	**Pass**
*Pad Flexure (kip*ft)*				
Pad Shear - 1-way (kips)	466.18	335.41	**68.5%**	**Pass**
Pad Shear - 2-way (Comp) (ksi)	0.190	0.000	**0.0%**	**Pass**
*Flexural 2-way (Comp) (kip*ft)*	2208.21	2266.20	**97.7%**	**Pass**

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

Soil Rating*:	**17.4%**
Structural Rating*:	**97.7%**

PAUL J. FORD & COMPANY

Date: 6/10/2020 Page: 1 of 2

Job Number:	A37520-1025.001.7805
Site Number:	826222
Site Name:	Newtown/RT-25
WO No.:	1859081
Order No.:	517105 Rev 0
Engineer:	STP

Version: 3.0 Effective: 1/29/2020

Flexible Foundation Analysis

Applied Reactions for RISA-3D

TNX Moment =	3624	k-ft
TNX Axial =	49	kips
TNX Shear =	34	kips
Total Unfactored Axial =	40.8	kips
TIA Standard =	H	

Passive Pressure on Pad/Mat

Horiz Subgr Modulus =	345	kcf
Plate Width =	0.5	ft
Depth to Ignore =	3.4	ft
Pad Thickness =	2.0	ft
k (side) =	28.75	k/in
k (corner) =	14.38	k/in

Pad/Mat & Pier Input

Pier Number Sides =	Round	
Pier Width/Diameter =	7	ft
Pier Height =	4.5	ft
Ht Above Grade =	0.5	ft (Pier or Pad)
Pad Thickness =	2	ft
Pad Width =	21	ft
Pad Length =	21	ft
Concrete Density =	150	pcf
Concrete f'c =	4	ksi
β1 =	0.85	
Rebar Fy =	60	ksi

	Width	Length	
Location =			
Top Bar Quantity =	27		
Top Bar Size #	8		
Top Clear Cover =	3		in
Bottom Bar Quantity =	27		
Bottom Bar Size #	8		
Bottom Clear Cover =	3		in
As, min =	10.89		in^2
Use Comp Side Rebar?	No		
Mu (Comp Top) =	1059.026		k-ft
Mu (Comp Bot) =	588.889		k-ft

Pad/Mat Analysis

Location	Comp Side	c, in	d, in	εt, in/in	Mu, k-ft	Φ	ΦMn, k-ft	Ratio
Width	Top	2.65	19.50	-0.019	1059.0	0.90	2292.2	44.0%
Width	Bot	2.65	19.50	-0.019	588.9	0.90	2292.2	24.5%

Soil Weight

Soil Unit Weight=	125	pcf
Apply Soil Weight =	Surface Load	
Volume =	1610.1	ft^3
Weight =		kips
Weight per Sq Ft =	0.46	ksf

Soil Modulus by Layer

Layer	Start, ft	End, ft	Vert, pci	Horiz, pci
1	0.0	10	156	200
2				
3				
4				
5				
6				
7				
8				
9				

Micropile Capacity

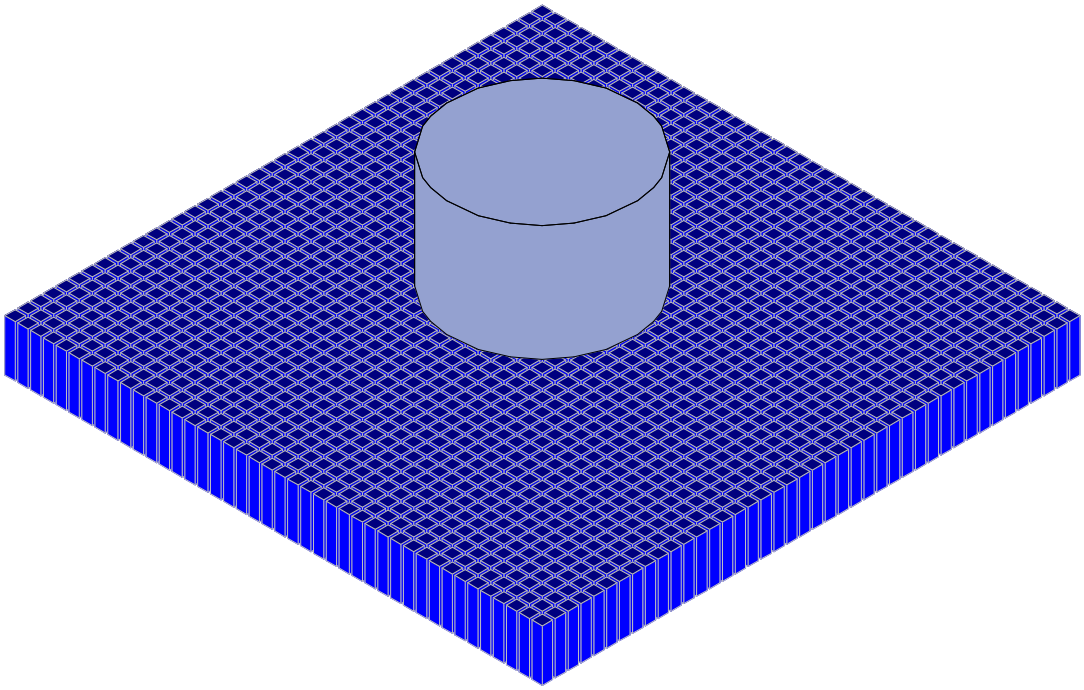
Anchor Type =	Micropile	
Pile Type =	TITAN 73/53	
Ag =	3.07	in^2
Ag Override =		in^2
E =	29000	ksi
Lu =	8	ft
k = An (E) / Lu =	926.7	k/in
Py =	218.1	kips
Capacity = 0.8 (Py) =	174.5	kips
Capacity Override =		kips
Max Tension from RISA =	122.1	kips
Ratio =	66.7%	OK

Bearing Check

Max Bearing Load =	0.812	kip
Plate Width =	0.5	ft
Plate Length =	0.5	ft
Design Brg Capacity =	30.76	ksf = Φqn
Bearing Pressure =	3.2	ksf
Ratio =	13.4%	OK

Subgrade Modulus Conversion

Subgrade Modulus =	200	pci
ks =	345.6	kcf



Envelope Only Solution

Paul J. Ford and Company	BU 826222 / Newtown-RT-25	SK - 1
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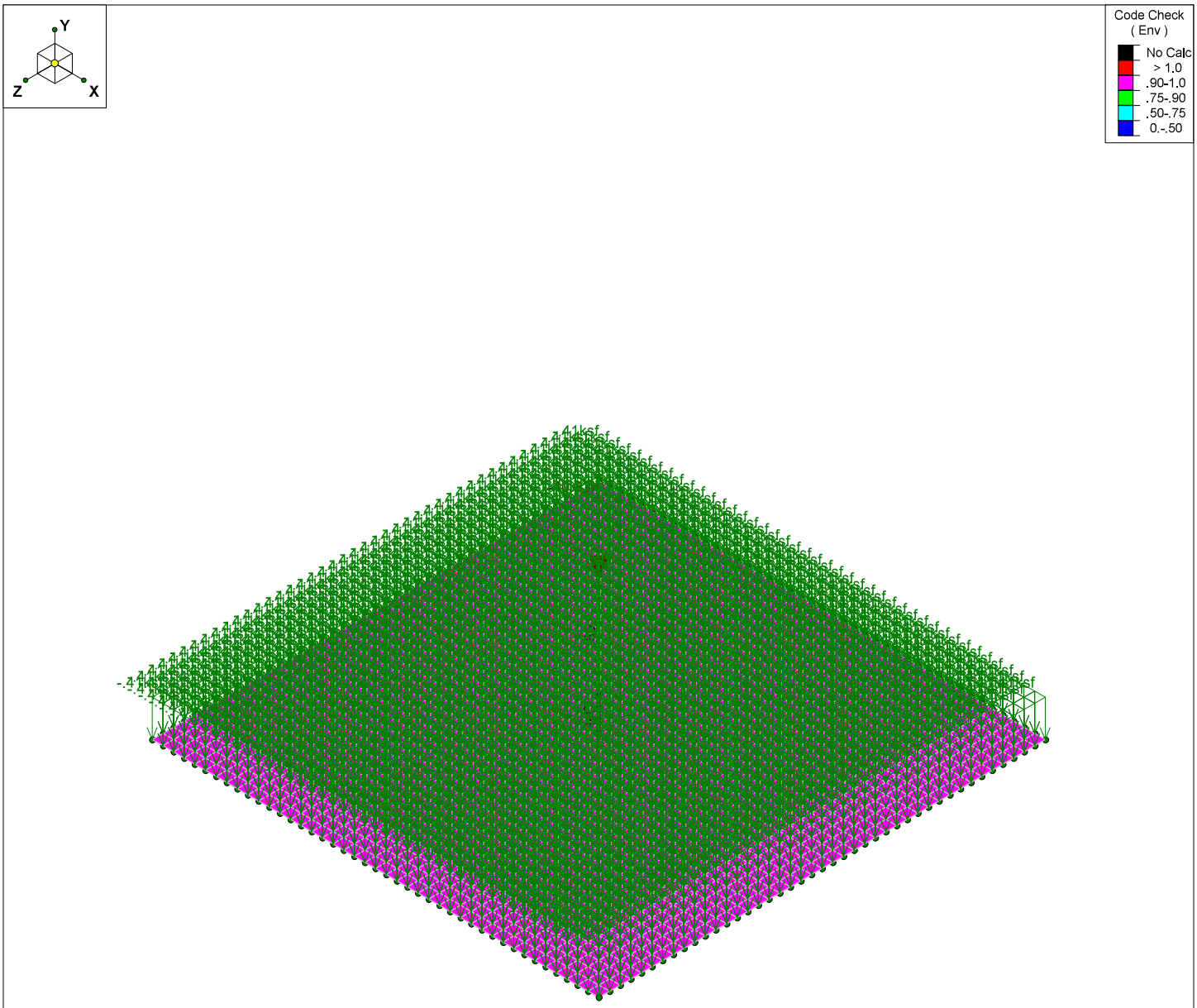

Member Code Checks Displayed (Enveloped)
Loads: BLC 1, Dead
Envelope Only Solution

Paul J. Ford and Company	BU 826222 / Newtown-RT-25	SK - 2
KAT/STP		June 10, 2020 at 9:00 AM
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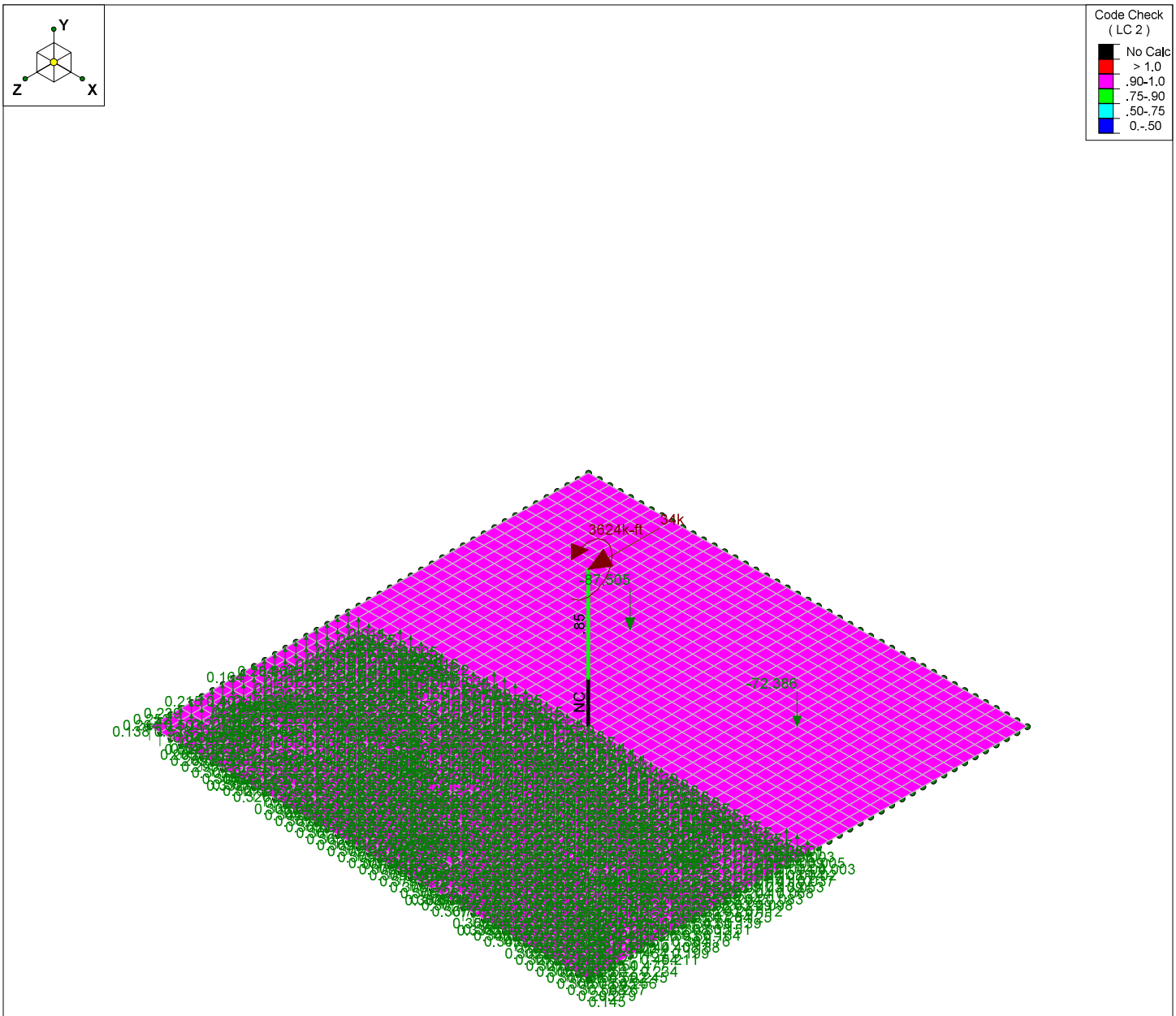

Member Code Checks Displayed
Loads: BLC 2, Wind 0
Results for LC 2, 0.9 Dead + Wind 0
Y-direction Reaction Units are k and k-ft

Paul J. Ford and Company	BU 826222 / Newtown-RT-25	SK - 3
KAT/STP		June 10, 2020 at 8:57 AM
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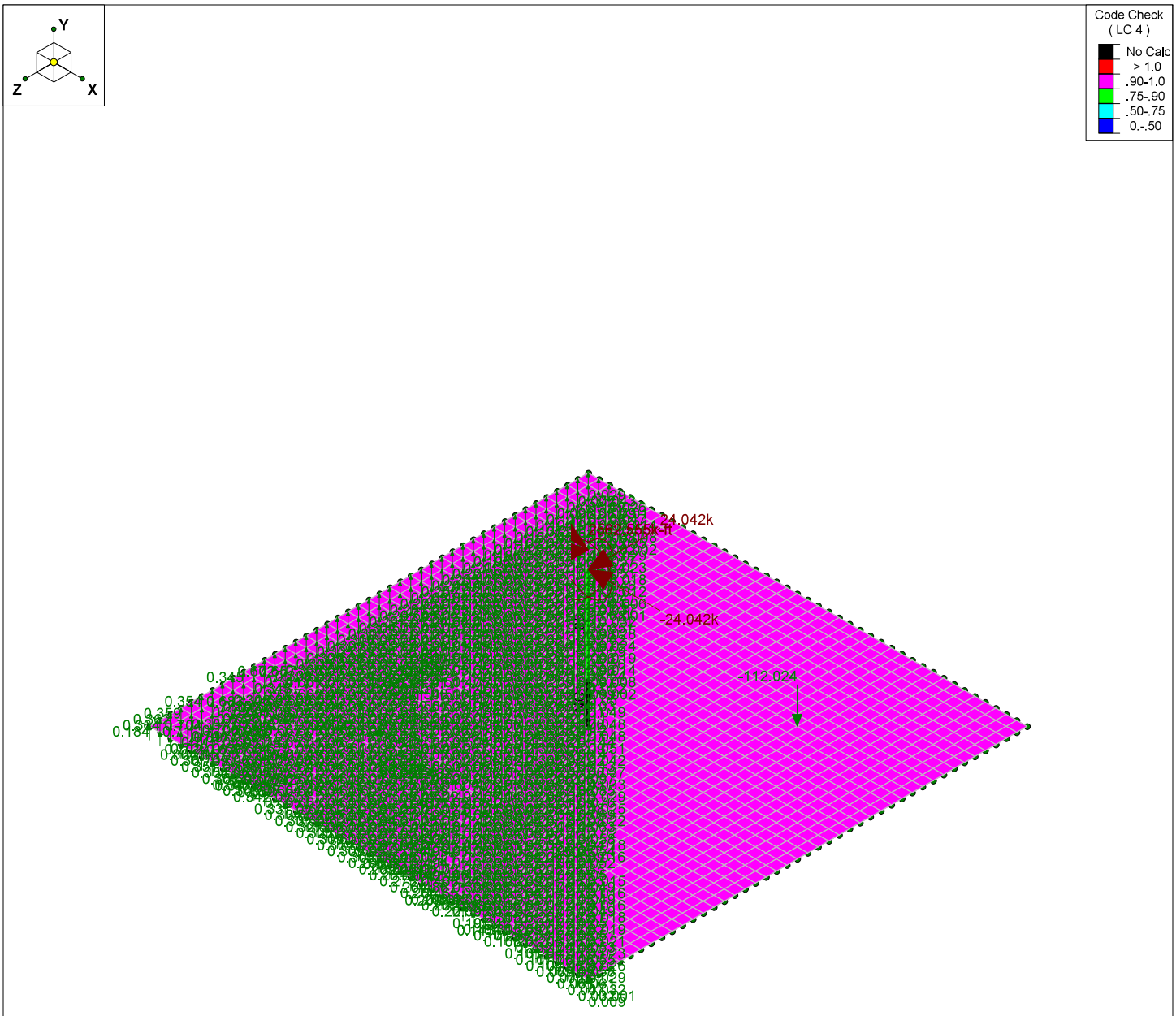


Member Code Checks Displayed
Loads: BLC 3, Wind 45
Results for LC 4, 0.9 Dead + Wind 45
Y-direction Reaction Units are k and k-ft

Paul J. Ford and Company	BU 826222 / Newtown-RT-25	SK - 4
KAT/STP		June 10, 2020 at 8:56 AM
37520-1025.001.7805		37520-1025.001.7805_Composite ...

(Global) Model Settings

Display Sections for Member Calcs	5
Max Internal Sections for Member Calcs	97
Include Shear Deformation?	Yes
Increase Nailing Capacity for Wind?	Yes
Include Warping?	Yes
Trans Load Btwn Intersecting Wood Wall?	Yes
Area Load Mesh (in^2)	144
Merge Tolerance (in)	.12
P-Delta Analysis Tolerance	0.50%
Include P-Delta for Walls?	Yes
Automatically Iterate Stiffness for Walls?	Yes
Max Iterations for Wall Stiffness	3
Gravity Acceleration (ft/sec^2)	32.2
Wall Mesh Size (in)	12
Eigensolution Convergence Tol. (1.E-)	4
Vertical Axis	Y
Global Member Orientation Plane	XZ
Static Solver	Sparse Accelerated
Dynamic Solver	Accelerated Solver

Hot Rolled Steel Code	AISC 15th(360-16): LRFD
Adjust Stiffness?	Yes(Iterative)
RISAConnection Code	None
Cold Formed Steel Code	None
Wood Code	None
Wood Temperature	< 100F
Concrete Code	ACI 318-14
Masonry Code	None
Aluminum Code	None - Building
Stainless Steel Code	AISC 14th(360-10): ASD
Adjust Stiffness?	Yes(Iterative)

Number of Shear Regions	4
Region Spacing Increment (in)	4
Biaxial Column Method	Exact Integration
Parme Beta Factor (PCA)	.65
Concrete Stress Block	Rectangular
Use Cracked Sections?	Yes
Use Cracked Sections Slab?	Yes
Bad Framing Warnings?	No
Unused Force Warnings?	Yes
Min 1 Bar Diam. Spacing?	No
Concrete Rebar Set	REBAR_SET_ASTMA615
Min % Steel for Column	1
Max % Steel for Column	8

(Global) Model Settings, Continued

Seismic Code	ASCE 7-10
Seismic Base Elevation (ft)	Not Entered
Add Base Weight?	Yes
Ct X	.02
Ct Z	.02
T X (sec)	Not Entered
T Z (sec)	Not Entered
R X	3
R Z	3
Ct Exp. X	.75
Ct Exp. Z	.75
SD1	1
SDS	1
S1	1
TL (sec)	5
Risk Cat	I or II
Drift Cat	Other
Om Z	1
Om X	1
Cd Z	1
Cd X	1
Rho Z	1
Rho X	1

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Dead	None		-1		1				1764
2	Wind 0	None				2				
3	Wind 45	None				4				
4	Wind 90	None				2				
5	Wind 135	None				4				

Load Combinations

	Description	Solve	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	1.2 Dead + Wind 0	Yes	Y		1	1.2	2	1																		
2	0.9 Dead + Wind 0	Yes	Y		1	.9	2	1																		
3	1.2 Dead + Wind 45	Yes	Y		1	1.2	3	1																		
4	0.9 Dead + Wind 45	Yes	Y		1	.9	3	1																		
5	1.2 Dead + Wind 90	Yes	Y		1	1.2	4	1																		
6	0.9 Dead + Wind 90	Yes	Y		1	.9	4	1																		
7	1.2 Dead + Wind 135	Yes	Y		1	1.2	5	1																		
8	0.9 Dead + Wind 135	Yes	Y		1	.9	5	1																		
9	1.2 Dead + Wind 180	Yes	Y		1	1.2	2	-1																		
10	0.9 Dead + Wind 180	Yes	Y		1	.9	2	-1																		
11	1.2 Dead + Wind 225	Yes	Y		1	1.2	3	-1																		
12	0.9 Dead + Wind 225	Yes	Y		1	.9	3	-1																		
13	1.2 Dead + Wind 270	Yes	Y		1	1.2	4	-1																		
14	0.9 Dead + Wind 270	Yes	Y		1	.9	4	-1																		
15	1.2 Dead + Wind 315	Yes	Y		1	1.2	5	-1																		
16	0.9 Dead + Wind 315	Yes	Y		1	.9	5	-1																		

Joint Loads and Enforced Displacements (BLC 1 : Dead)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/ft...
1	CENTER	L	Y	-40.83

Joint Loads and Enforced Displacements (BLC 2 : WInd 0)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/ft...
1	CENTER	L	Mx	3624
2	CENTER	L	Z	34

Joint Loads and Enforced Displacements (BLC 3 : Wind 45)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/ft...
1	CENTER	L	Mz	2562.555
2	CENTER	L	Mx	2562.555
3	CENTER	L	X	-24.042
4	CENTER	L	Z	24.042

Joint Loads and Enforced Displacements (BLC 4 : WInd 90)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/ft...
1	CENTER	L	Mz	3624
2	CENTER	L	X	-34

Joint Loads and Enforced Displacements (BLC 5 : Wind 135)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/ft...
1	CENTER	L	Mz	2562.555
2	CENTER	L	Mx	-2562.555
3	CENTER	L	X	-24.042
4	CENTER	L	Z	-24.042

Concrete Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E...	Density[k/ft...	f'c[ksi]	Lambda	Flex Steel[...	Shear Stee...
1	Conc3000NW	3156	1372	.15	.6	.145	3	1	60	60
2	Conc3500NW	3409	1482	.15	.6	.145	3.5	1	60	60
3	Conc4000NW	3644	1584	.15	.6	.145	4	1	60	60
4	Conc3000LW	2085	907	.15	.6	.11	3	.75	60	60
5	Conc3500LW	2252	979	.15	.6	.11	3.5	.75	60	60
6	Conc4000LW	2408	1047	.15	.6	.11	4	.75	60	60

Concrete Column Design Parameters

	Label	Shape	Length[ft]	Lu-yy[ft]	Lu-zz[ft]	Cm-yy	Cm-zz	Kyy	Kzz	y sway	z sway	Icr Fac...	Flexur...	Shear ...
1	M1	CRND84	4.5										826222	Use D...

ASCE 7 Hazards Report

Address:
No Address at This Location

Standard:	ASCE/SEI 7-10	**Elevation:**	398.5 ft (NAVD 88)
Risk Category:	II	**Latitude:**	41.378144
Soil Class:	D - Stiff Soil	**Longitude:**	-73.27415

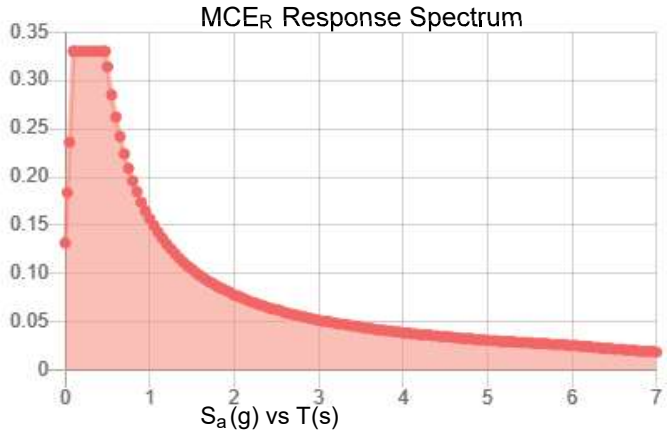
Seismic

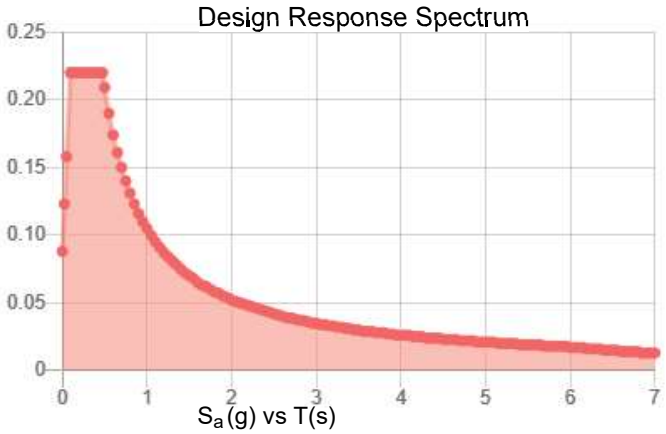
Site Soil Class: D - Stiff Soil

Results:

S_S :	0.206	S_{DS} :	0.22
S_1 :	0.065	S_{D1} :	0.105
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.111
S_{MS} :	0.33	PGA_M :	0.175
S_{M1} :	0.157	F_{PGA} :	1.578
		I_e :	1

Seismic Design Category B





Data Accessed: Tue Jun 09 2020

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

Ice

Results:

Ice Thickness:	0.75 in.
Concurrent Temperature:	15 F
Gust Speed:	50 mph
Data Source:	Standard ASCE/SEI 7-10, Figs. 10-2 through 10-8
Date Accessed:	Tue Jun 09 2020

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

Values provided are equivalent radial ice thicknesses due to freezing rain with concurrent 3-second gust speeds, for a 50-year mean recurrence interval, and temperatures concurrent with ice thicknesses due to freezing rain. Thicknesses for ice accretions caused by other sources shall be obtained from local meteorological studies. Ice thicknesses in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

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

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

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

Exhibit D

Mount Analysis

Date: **June 8, 2020**

Darcy Tarr
Crown Castle
3530 Toringdon Way, Suite 300
Charlotte, NC 28277
704-405-6589

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

Subject:	**Mount Modification Analysis Report**	
Carrier Designation:	**AT&T**	
	PACE Number:	**MRCTB046910**
	Carrier Site Name:	**NEWTOWN – SOUTH CENTRAL**
	FA Number:	**10091788**
Crown Castle Designation:	**Crown Castle BU Number:**	**826222**
	Crown Castle Site Name:	**Newtown/RT - 25**
	Crown Castle JDE Job Number:	**605375**
	Crown Castle Order Number:	**517105 Rev. 0**
Engineering Firm Designation:	**POD Report Designation:**	**20-64978**
Site Data:	**201 South Main Street, Newtown, Fairfield County, CT 06470** **Latitude 41° 22' 41.32" Longitude -73° 16' 26.94"**	
Structure Information:	**Tower Height & Type:**	**150 ft Monopole**
	Mount Elevation:	**110 ft**
	Mount Type:	**12.5 ft Platform with Support Rails**

Dear Darcy Tarr,

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

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

12.5 ft Platform with Support Rails **Sufficient***
***See Section 4.1 of this report for the loading and structural modifications required in order for the mount to support the loading listed in Table 1.**

This analysis has been performed in accordance with the TIA-222-H Standard based upon an ultimate 3-second gust wind speed of 117 mph. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Mount structural analysis prepared by: Dario Pelemis

Respectfully submitted by:

6/8/2020

STATE OF CONNECTICUT
JASON CHERONIS
PEN.0032793
LICENSED
PROFESSIONAL ENGINEER

Jason Cheronis, P.E.
Connecticut PE #: 0032793

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1) INTRODUCTION

This mount is a existing 12.5 ft Platform. This mount is installed at the 110 ft elevation on the 150 ft Monopole.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Ultimate Wind Speed:	117 mph
Exposure Category:	C
Topographic Factor at Base:	1.000
Topographic Factor at Mount:	1.000
Ice Thickness:	1 in
Wind Speed with Ice:	50 mph
Seismic S_s:	0.210
Seismic S_1:	0.055
Live Loading Wind Speed:	30 mph
Man Live Load at Mid/End-Points:	250 lb
Man Live Load at Mount Pipes:	500 lb

Table 1 - Final Equipment Configuration

Mount Centerline (ft)	Antenna Centerline (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Mount / Modification Details	Note
110	112	3	CCI Antennas	DMP65R-BU6D	12.5 ft Platform	-
		3	CCI Antennas	OPA65R-BU6D		
		3	Powerwave Technologies	7770.00		
		3	Ericsson	RRUS 4449 B5/B12		
		3	Ericsson	RRUS 8843 B2/B66A_CCIV2		
		6	Powerwave Technologies	LGP21401		
		1	Raycap	DC6-48-60-18-8C-EV		
		1	Raycap	DC6-48-60-18-8F		

3) ANALYSIS PROCEDURE

Table 2 - Documents Provided

Document	Remarks	Reference	Source
Application	-	Crown Castle Order ID: 517105 Dated: 06/04/2020	Crown Castle
Elevation Drawings	-	Crown Castle Sheet #: A1-110 Dated: 07/19/2018	Crown Castle
Structural Analysis	-	Paul J. Ford Project #: 37519-2802.001.7805 Dated: 07/15/2019	Crown Castle
RFDS	-	AT&T FA #: 10091788 Dated: 03/10/2020	Crown Castle
Manufacture Specification	-	SitePro1 Part #: SCX45-K Dated: 02/19/2015	SitePro1
Manufacture Specification		Sabre Drawing #: C10902012 Dated: 06/26/2014	Rosenberger Site Solutions
Manufacture Specification		SitePro1 Part #: PUCK Dated: 09/01/2010	SitePro1
Modification Design Drawings		POD Group Project #: 20-64978 Dated: 06/08/2020	POD Group

3.1) Analysis Method

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

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

This analysis was performed in accordance with Crown Castle's ENG-SOW-10208 Tower Mount Analysis (Revision B). In addition, this analysis is in accordance with AT&T's mount technical directive.

3.2) Assumptions

1) The antenna mounting system was properly fabricated, installed, and maintained in good condition in accordance with its original design, TIA Standards, and/or manufacturer's specifications.
2) The configuration of antennas, mounts, and other appurtenances are as specified in Table 1 and the referenced drawings.
3) All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.
4) The weight of the mount was increased 10% in the analysis to account for connections, coax, and jumpers.
5) Member sizes have been assumed from photos of the site and experience with similar mounting systems. If the sizes assumed in this report differ from the actual member sizes, POD Group shall be contacted immediately, and the results of the analysis shall be considered null and void.
6) The analysis will be required to be revised if the existing conditions in the field differ from those shown in the above-referenced documents or assumed in this analysis. No allowance was made for any damaged, missing, or rusted members.
7) Steel grades have been assumed as follows, unless noted otherwise:
    a. Angle, Plate — ASTM A36 (GR 36)
    b. Flange Plate — ASTM A572 (GR 50)
    c. CF Channel — ASTM 1011 (GR 40)
    d. Pipe — ASTM A53 (GR 35)
    e. Standoff Pipe — ASTM A500 Gr.B Round (GR 42)
    f. Connection Bolts — ASTM A325

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

4) ANALYSIS RESULTS

Table 3 - Mount Component Stresses vs. Capacity (12.5 ft Platform)

Notes	Component	Critical Member	Centerline (ft)	% Capacity	Pass / Fail
	Standoff	SO1a	110	81.6	Pass
	Face	Face1A	110	21.2	Pass
	Corner	CR1B	110	84.9	Pass
1	Flange Plate	-	-	36.7	Pass
	Flange Bolts	-	-	4.3	
	Grating Support	SUP1A	110	34.0	Pass
	Plate	PLATE6	110	81.5	Pass
	Mount Pipe	MP ALPHA1	110	39.2	Pass
	Support Rail	RAIL3	110	28.3	Pass

Structure Rating (max from all components) =	84.9%

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

4.1) Recommendations

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

1. Installation of (3) 8’ P2.5 STD Pipes connected with (3) SitePro, P/N: SCX45-K
2. Installation of (3) 12’-6” P2 STD pipe Support rail, Connected with (9) Rosenberger Site Solutions, P/N: C10-902-012
3. Installation of (3) 4’ P2 STD pipe (F.V. Length), connected with (6) SitePro1, P/N: PUCK

Engineering detail drawings have been provided in Appendix G – Mount Modification Design Drawings. Connection from the mount to the tower and local stresses on the tower are sufficient.

Table 5 – AT&T Specification

Wind Speed (mph)	Ice Thickness (in)	Height (ft)	Exposure	Class	Topo	# of Pipes	Allowable EPA per Pipe (ft sq.)	Allowable Weight per Sector (lbs)
117	1	110	C	II	1	9	14.01	2860

5) DISCLAIMER OF WARRANTIES

POD Group has not performed a site visit to the structure to verify the member sizes or antenna/coax loading unless noted otherwise. If the existing conditions are not as represented in this report, we should be contacted immediately to evaluate the significance of the discrepancy. This is not a condition assessment of the structure or foundation. This report does not replace a full structure inspection. The structure, foundations, and mounting systems are assumed to have been properly fabricated, erected, maintained, in good condition, twist free, and plumb.

The engineering services rendered by POD Group in connection with this Structural Analysis are limited to a computer analysis of the structure and theoretical capacity of its main structural members. No allowance was made for any damaged, bent, missing, loose, or rusted members (above and below ground). No allowance was made for loose bolts or cracked welds.

POD Group does not analyze the fabrication of the structure (including welding). It is not possible to have all the very detailed information needed to perform a thorough analysis of every structural sub-component and connection of an existing structure. POD Group provides a limited scope of service in that we cannot verify the adequacy of every weld, plate connection detail, etc. The purpose of this report is to assess the feasibility of adding appurtenances usually accompanied by transmission lines to the structure.

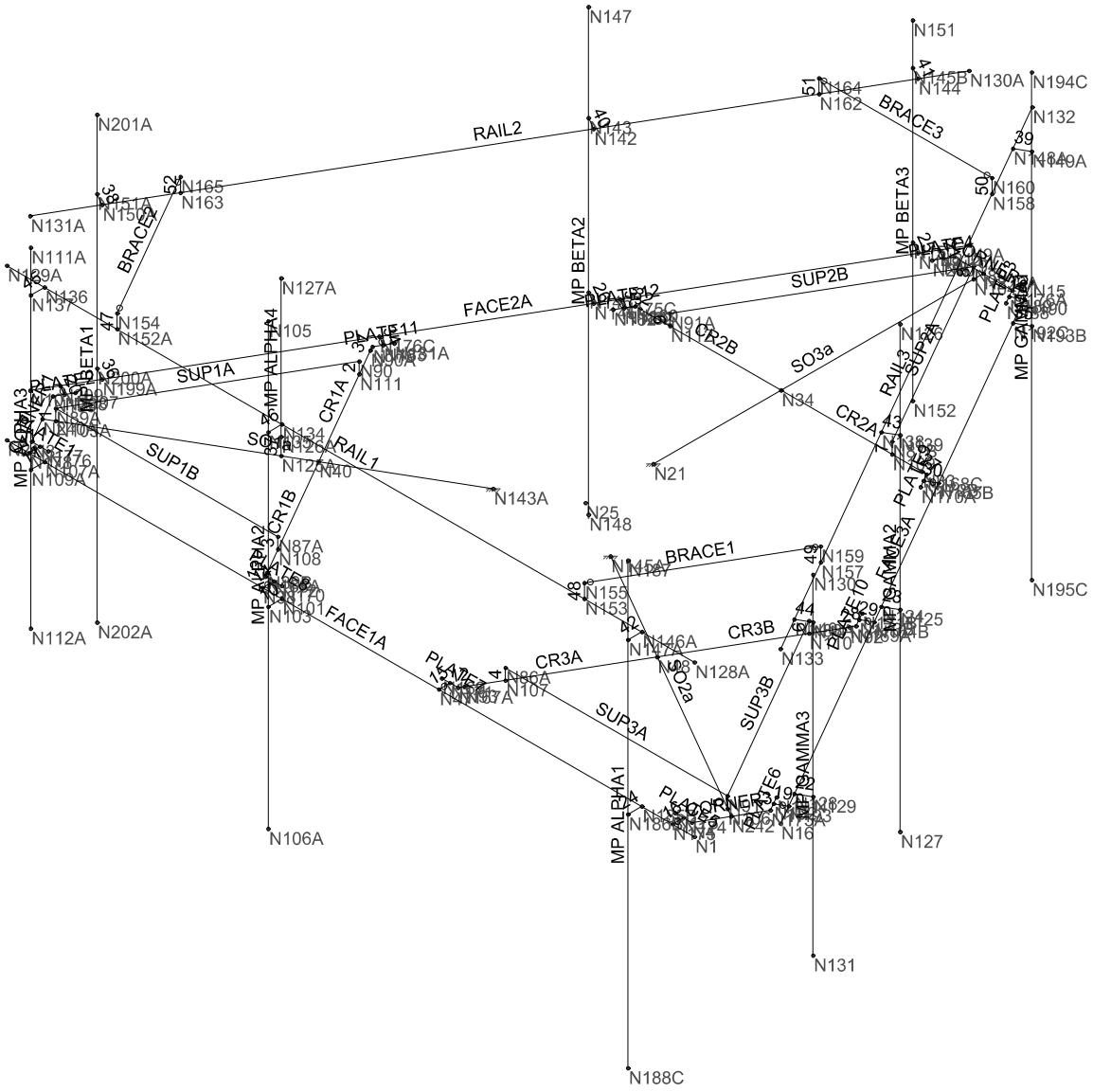
It is the owner's responsibility to determine the amount of ice accumulation in excess of the code specified amount, if any, that should be considered in the structural analysis.

The attached sketches are a schematic representation of the analyzed structure. If any material is fabricated from these sketches, the contractor shall be responsible for field verifying the existing conditions, proper fit, and clearance in the field. Any mentions of structural modifications are reasonable estimates and should not be used as a precise construction document. Precise modification drawings are obtainable from POD Group, but are beyond the scope of this report.

POD Group makes no warranties, expressed and/or implied, in connection with this report and disclaims any liability arising from material, fabrication, and erection of this structure. POD Group will not be responsible whatsoever, for or on account of, consequential or incidental damages sustained by any person, firm, or organization as a result of any data or conclusions contained in this report. The maximum liability of POD Group pursuant to this report will be limited to the total fee received for preparation of this report.

APPENDIX A

Wire Frame and Rendered Models



POD Group		
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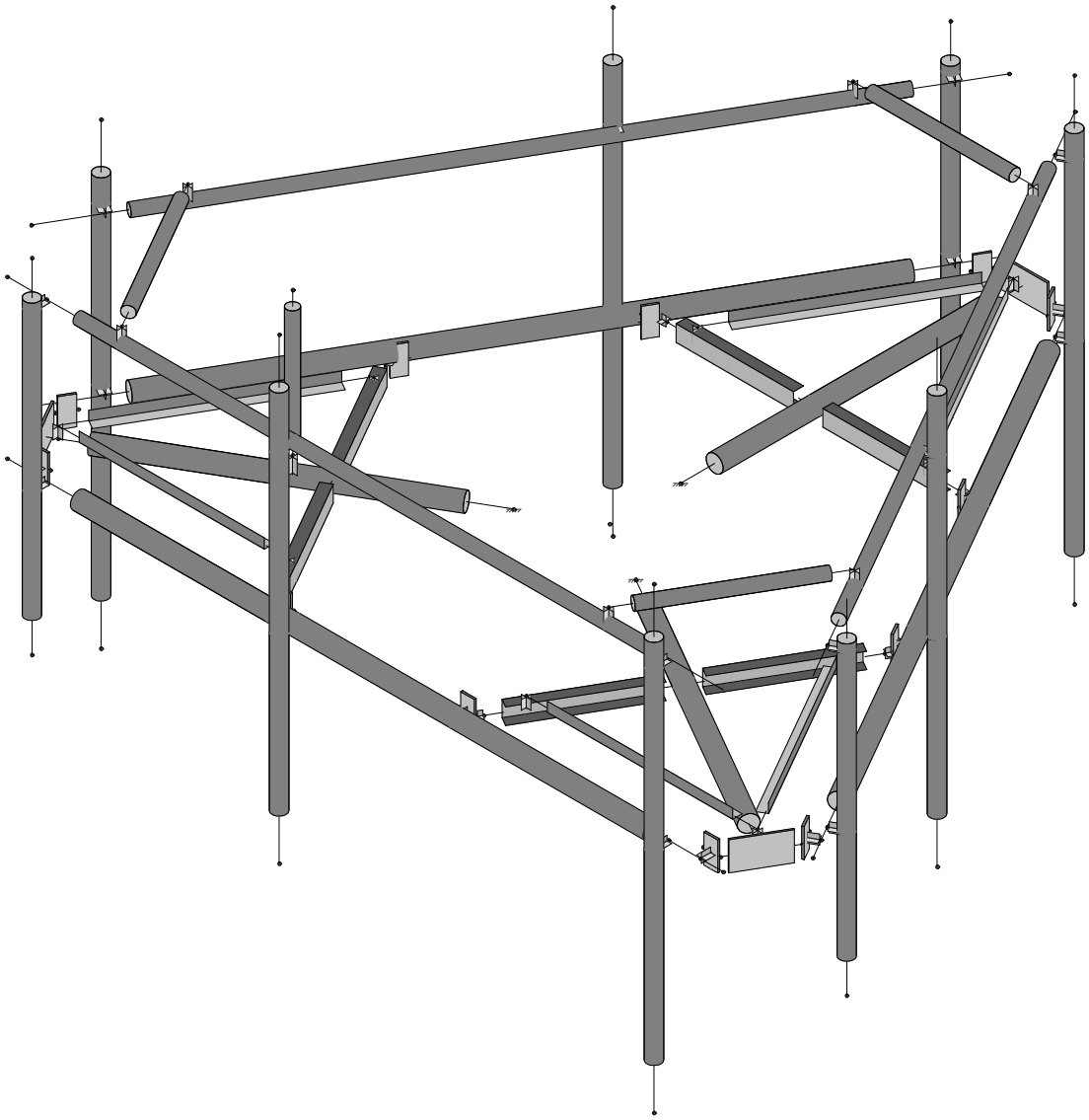
20-64978		826222 Mod - Copy.r3d



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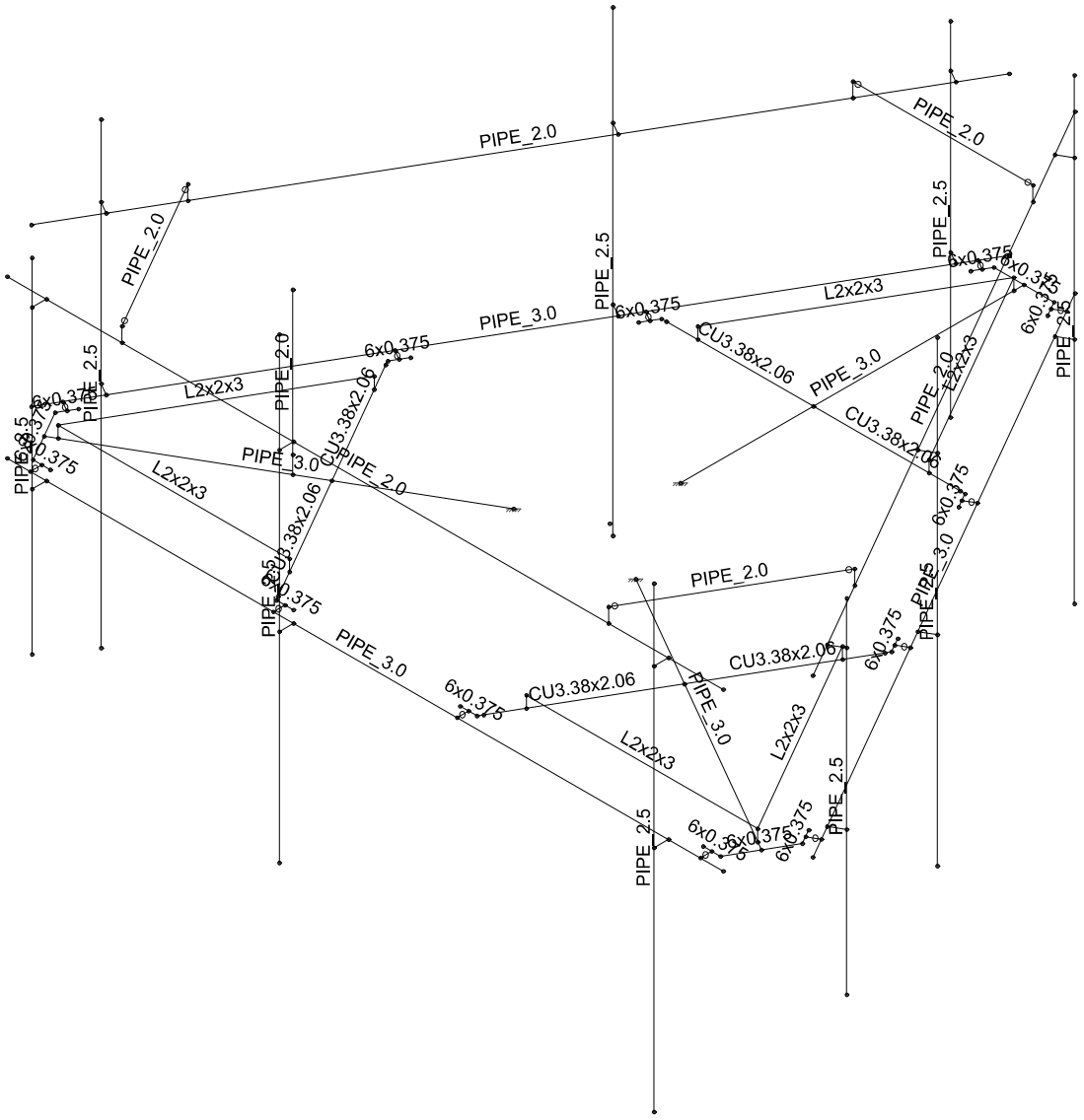

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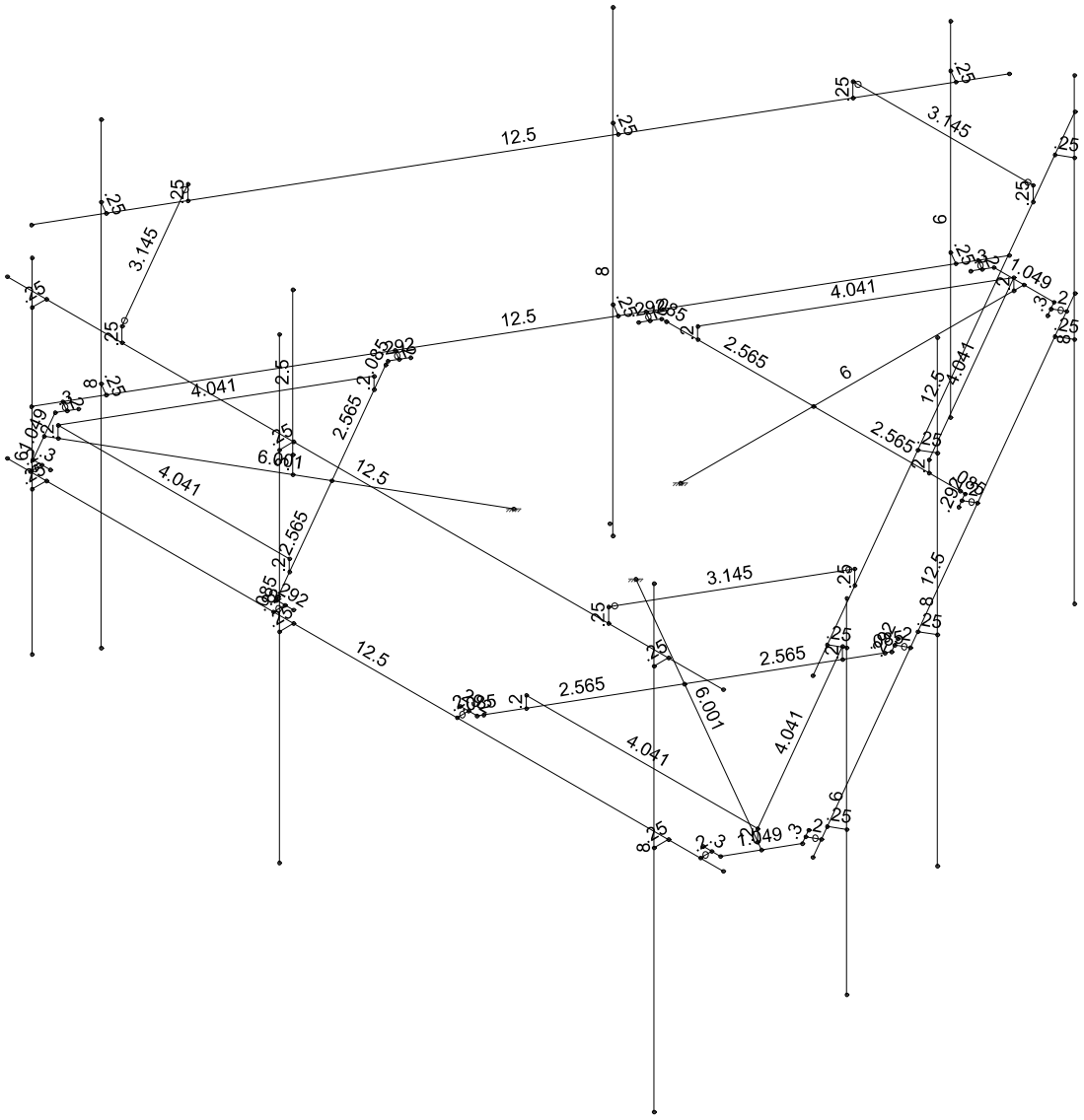

Member Length (ft) Displayed

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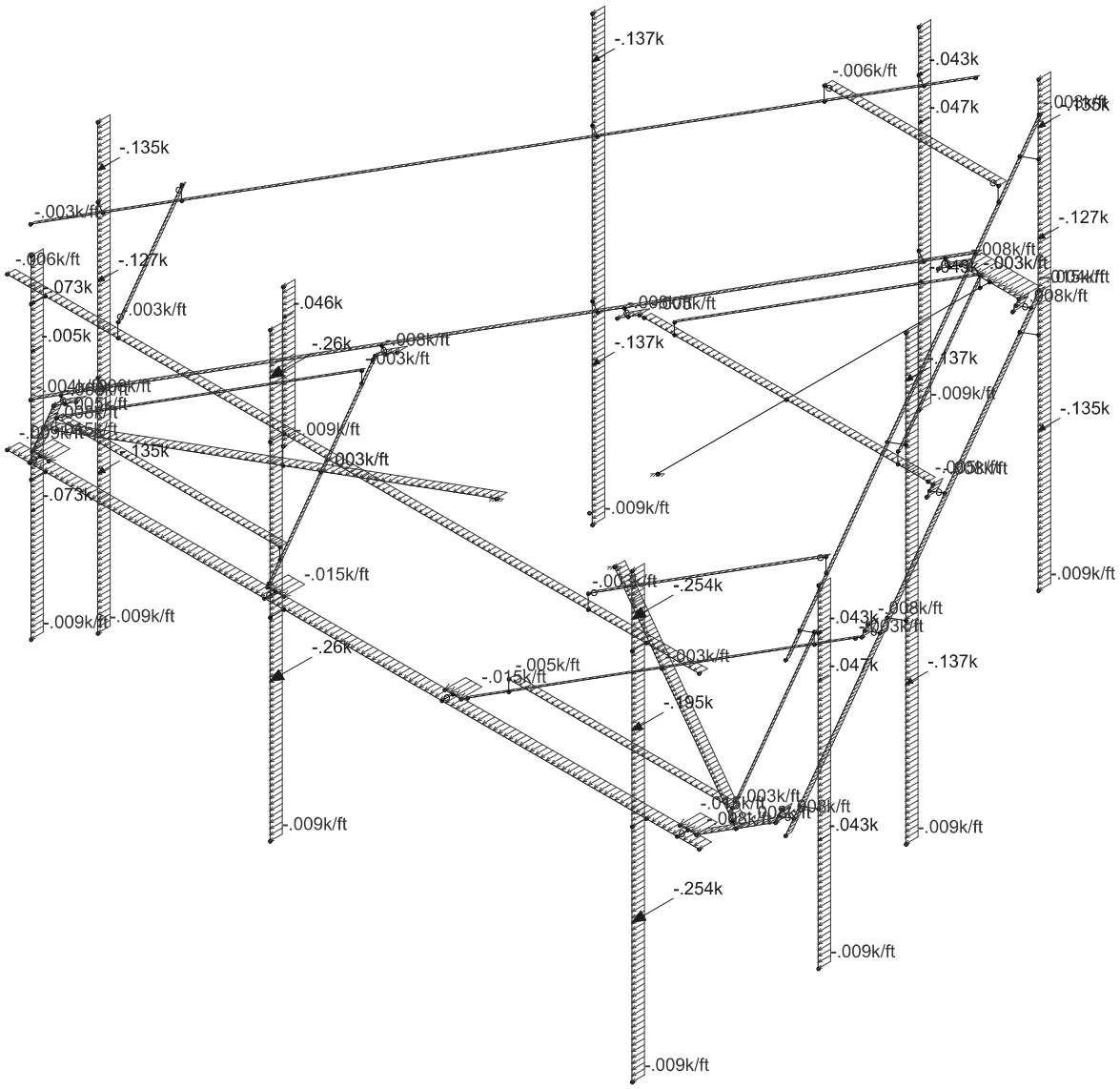


Loads: BLC 2, Wind Load (0)

POD Group	826222	
DP		June 8, 2020 at 10:11 AM
20-64978		826222 Mod - Copy.r3d

APPENDIX B

Software Input Calculations

POWER OF DESIGN

POD Job #	**20-64978**
Site Number	**826222**
Site Name	**Newtown/RT - 25**

General Site Information

Mount Type	SFP	Risk Category	II	I (seismic)	1	
V (Wind Speed)	117	I(ice)	1	Sms	0.336	
Zs	403			Sm1	0.132	
ti	1	Ss	0.21	Sds	0.224	
Vi	50	S1	0.055	Sd1	0.088	
Kzt	1	Soil Site Class	D (assumed)	Seismic Design Category		
Exposure	C	Fa	1.600		B	
zg	900	Fv	2.400	Seismic Analysis Not Required		
α	9.5			R	2	TIA-222-H 16.7
Kmin	0.85	Tower Type	Monopole	As	1	TIA-222-H 16.7
G_H	1	Tower Height	150	Cs, Min	0.03	TIA-222-H 2.7.7.1.1
Ke	0.99			Cs	0.112	TIA-222-H 2.7.7.1.1
K_D	0.95					
K_a	0.9					

Appurtenance Information

Model	Shielded	% Shielded	Centerline	Centerline on MP	Spacing (in)	Azimuth	Sector	Quantity		MP #
DMP65R-BU6D	No		112	6	48		A/B/C	1	1	
OPA65R-BU6D	No		112	6	48		A/B/C	1	2	
7770	No		112	5	36		A/B/C	1	3	
RRUS 4449 B5/B12	No		112	5			A/B/C	1	1	
RRUS 8843 B2/B66A_CCIV2	No		112	5			A/B/C	1	1	
LGP21401	Side	90	112	4		90	A/B/C	2	3	
DC6-48-60-18-8C-EV	No		112	6			A	1	1	
DC6-48-60-18-8F	No		112	2			A	1	4	

Mount Information

Elevation (ft)	110	Grating Thickness (in)	0.5
K_z	1.29	Grating Ice Weight (k/ft²)	0.012
Kiz	1.13		
tiz	1.13		

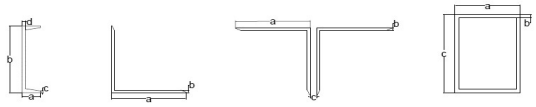
	Length (ft)	Width (in)	Centerline
Mount Pipes	8	2.375	110

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
Standoff	6	3.5	No	3
Support Rail On	12.5	2.375	Yes	2
Support Rail Off	12.5	2.375	No	1
Bracing	3.145	2.375	No	3

Flat Members

Member	Length (ft)	Width (in)	Shape	A	B	C	D	Frame Member	# of Members
Support	4.04	2	Angle	2	0.1875			No	6
Plate	0.3	6	Channel	0	6	0	0.375	No	6
Corner PL	1	6	Channel	0	6	0	0.375	No	3
Corner	2.565	2.06	Channel	2.06	3.38	0	0.1875	No	6



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Appurtenance Wind Calculations

Model	Height	Width	Depth	Weight (lbs)	Kz	qz (lb/ft$_2$)	$(EPA)_N$ (ft^2)	$(EPA)_T$(ft^2)	Wind Force (Kips) Front	Side	Alpha	Beta	Gamma
DMP65R-BU6D	71.2	20.7	7.7	89.3	1.30	42.53	11.93	4.48	0.507	0.190	0.428	0.428	0.190
OPA65R-BU6D	71.2	21.0	7.8	63.5	1.30	42.53	12.22	4.54	0.520	0.193	0.438	0.438	0.193
7770	55.0	11.0	5.0	35.0	1.30	42.53	3.42	1.56	0.146	0.066	0.126	0.126	0.066
RRUS 4449 B5/B12	17.9	13.2	9.4	71.0	1.30	42.53	1.77	1.27	0.075	0.054	0.070	0.070	0.054
RRUS 8843 B2/B66A_CCIV2	18.0	13.2	11.3	75.0	1.30	42.53	1.78	1.53	0.076	0.065	0.073	0.073	0.065
LGP21401	14.2	6.7	5.4	22.0	1.30	42.53	0.71	0.58	0.030	0.002	0.009	0.009	0.030
DC6-48-60-18-8C-EV	31.4	10.2	10.2	26.2	1.30	42.53	1.03	1.14	0.044	0.049	0.045	0.045	0.049
DC6-48-60-18-8F	31.3	11.0	11.0	32.8	1.30	42.53	1.09	1.21	0.046	0.052	0.048	0.048	0.052

Appurtenance Ice Calculations

Model	tiz (in)	Height	Width	Depth	Weight (lbs)	Kiz	qz (lb/ft$_2$)	$(EPA)_N$ (ft^2)	$(EPA)_T$(ft^2)	Wind Force (Kips) Front	Side	Alpha	Beta	Gamma
DMP65R-BU6D	1.13	73.46	22.96	9.96	176.63	1.13	7.77	12.29	5.37	0.095	0.042	0.082	0.082	0.042
OPA65R-BU6D	1.13	73.46	23.26	10.06	179.10	1.13	7.77	12.57	5.44	0.098	0.042	0.084	0.084	0.042
7770	1.13	57.26	13.26	7.26	80.60	1.13	7.77	3.87	2.12	0.030	0.016	0.027	0.027	0.016
RRUS 4449 B5/B12	1.13	20.16	15.45	11.70	45.87	1.13	7.77	1.36	1.03	0.011	0.008	0.010	0.010	0.008
RRUS 8843 B2/B66A_CCIV2	1.13	20.26	15.46	13.56	50.63	1.13	7.77	1.37	1.20	0.011	0.009	0.010	0.010	0.009
LGP21401	1.13	16.46	8.96	7.66	19.96	1.13	7.77	0.65	0.55	0.005	0.004	0.005	0.005	0.004
DC6-48-60-18-8C-EV	1.13	33.66	12.50	12.50	63.74	1.13	7.77	1.85	1.85	0.014	0.014	0.014	0.014	0.014
DC6-48-60-18-8F	1.13	33.51	13.26	13.26	68.40	1.13	7.77	1.95	1.95	0.015	0.015	0.015	0.015	0.015

Round Members

Member	Wind Calculations q_z (lb/ft^2)	Ar	C	Rr	Cf	EPA (ft^2)	Load (k/ft)	Ice Calculations Width (in)	Weight (k/ft)	q_z (lb/ft^2)	Arice	Rrice	Cf	EPA (ft^2)	Load (k/ft)
Face on	42.37	7.29	38.50	0.62	2.16	4.38	0.015	5.76	0.01	7.74	11.99	0.73	2.16	8.52	0.005
Face Off	42.37	3.65	38.50	0.62	1.20	2.43	0.004	5.76	0.01	7.74	6.00	0.73	1.20	4.74	0.001

Flat Members

Member	Wind Calculations q_z (lb/ft^2)	Af	Cf	EPA	Load (k/ft)	Ice Calculations Width (in)	Weight (k/ft)	q_z (lb/ft^2)	Arice	Rrice	Cf	EPA	Load (k/ft)
Support	42.37	4.04	1.20	0.73	0.004	4.26	0.01	7.74	8.60	0.73	2.16	2.04	0.002
Plate	42.37	0.90	1.20	0.16	0.011	8.26	0.01	7.74	1.24	0.73	2.16	0.29	0.004
Corner PL	42.37	1.50	1.20	0.54	0.011	8.26	0.01	7.74	2.06	0.73	2.16	0.98	0.004
Corner	42.37	2.64	1.20	0.48	0.004	4.32	0.01	7.74	5.54	0.73	2.16	1.31	0.002

Appurtenance Seismic Calculations

Model	Weight	Sds	ρ	Cs	As	Ev	Eh
DMP65R-BU6D	89.3	0.224	1.000	0.112	1.000	0.004	0.010
OPA65R-BU6D	63.5	0.224	1.000	0.112	1.000	0.003	0.007
7770	35.0	0.224	1.000	0.112	1.000	0.002	0.004
RRUS 4449 B5/B12	71.0	0.224	1.000	0.112	1.000	0.003	0.008
RRUS 8843 B2/B66A_CCIV2	75.0	0.224	1.000	0.112	1.000	0.003	0.008
LGP21401	22.0	0.224	1.000	0.112	1.000	0.001	0.002
DC6-48-60-18-8C-EV	26.2	0.224	1.000	0.112	1.000	0.001	0.003
DC6-48-60-18-8F	32.8	0.224	1.000	0.112	1.000	0.001	0.004

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APPENDIX C

Software Analysis Output

Hot Rolled Steel Design Parameters

	Label	Shape	Length[...	Lbyy[ft]	Lbzz[ft]	Lcomp top...	Lcomp bot...	L-torq...	Kyy	Kzz	Cb	Functi...
1	SUP3B	L2x2x3	4.041			Lbyy						Lateral
2	SUP3A	L2x2x3	4.041			Lbyy						Lateral
3	SUP2B	L2x2x3	4.041			Lbyy						Lateral
4	SUP2A	L2x2x3	4.041			Lbyy						Lateral
5	SUP1B	L2x2x3	4.041			Lbyy						Lateral
6	SUP1A	L2x2x3	4.041			Lbyy						Lateral
7	SO3a	PIPE_3.0	6		3.07	Lbyy						Lateral
8	SO2a	PIPE_3.0	6.001		3.07	Lbyy						Lateral
9	SO1a	PIPE_3.0	6.001		3.07	Lbyy						Lateral
10	PLATE12	6x0.375	.292			Lbyy						Lateral
11	PLATE11	6x0.375	.292			Lbyy						Lateral
12	PLATE10	6x0.375	.292			Lbyy						Lateral
13	PLATE9	6x0.375	.292			Lbyy						Lateral
14	PLATE8	6x0.375	.292			Lbyy						Lateral
15	PLATE7	6x0.375	.292			Lbyy						Lateral
16	PLATE6	6x0.375	.3			Lbyy						Lateral
17	PLATE5	6x0.375	.3			Lbyy						Lateral
18	PLATE4	6x0.375	.3			Lbyy						Lateral
19	PLATE3	6x0.375	.3			Lbyy						Lateral
20	PLATE2	6x0.375	.3			Lbyy						Lateral
21	PLATE1	6x0.375	.3			Lbyy						Lateral
22	MP GAM...	PIPE_2.5	6			Lbyy						Lateral
23	MP GAM...	PIPE_2.5	8			Lbyy						Lateral
24	MP GAM...	PIPE_2.5	8			Lbyy						Lateral
25	MP BETA3	PIPE_2.5	6			Lbyy						Lateral
26	MP BETA2	PIPE_2.5	8			Lbyy						Lateral
27	MP BETA1	PIPE_2.5	8			Lbyy						Lateral
28	MP ALPH...	PIPE_2.5	6			Lbyy						Lateral
29	MP ALPH...	PIPE_2.5	8			Lbyy						Lateral
30	MP ALPH...	PIPE_2.5	8			Lbyy						Lateral
31	FACE3A	PIPE_3.0	12.5			Lbyy						Lateral
32	FACE2A	PIPE_3.0	12.5			Lbyy						Lateral
33	FACE1A	PIPE_3.0	12.5			Lbyy						Lateral
34	CORNER3	6x0.375	1.049			Lbyy						Lateral
35	CORNER2	6x0.375	1.049			Lbyy						Lateral
36	CORNER1	6x0.375	1.049			Lbyy						Lateral
37	MP ALPH...	PIPE_2.0	2.5			Lbyy						Lateral
38	RAIL3	PIPE_2.0	12.5			Lbyy						Lateral
39	RAIL2	PIPE_2.0	12.5			Lbyy						Lateral
40	RAIL1	PIPE_2.0	12.5			Lbyy						Lateral
41	BRACE1	PIPE_2.0	3.145			Lbyy						Lateral
42	BRACE2	PIPE_2.0	3.145			Lbyy						Lateral
43	BRACE3	PIPE_2.0	3.145			Lbyy						Lateral

Cold Formed Steel Design Parameters

	Label	Shape	Length...	Lbyy[ft]	Lbzz[ft]	Lcomp to...	Lcomp bo...	L-torque[ft]	Kyy	Kzz	Cb	R	a[ft]	Funct...
1	CR3B	CU3.38x2...	2.565			Lbyy								Lateral
2	CR3A	CU3.38x2...	2.565			Lbyy								Lateral
3	CR2B	CU3.38x2...	2.565			Lbyy								Lateral
4	CR2A	CU3.38x2...	2.565			Lbyy								Lateral
5	CR1B	CU3.38x2...	2.565			Lbyy								Lateral
6	CR1A	CU3.38x2...	2.565			Lbyy								Lateral

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	SUP3B	N91	N88A		180	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
2	SUP3A	N86A	N91			L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
3	SUP2B	N89	N91A		180	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
4	SUP2A	N89	N87B		90	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
5	SUP1B	N89A	N87A			L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
6	SUP1A	N90	N89A		180	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
7	SO3a	N23...	N21			PIPE_3.0	Beam	Pipe	A500 Gr.B ...	Typical
8	SO2a	N242	N14...			PIPE_3.0	Beam	Pipe	A500 Gr.B ...	Typical
9	SO1a	N24...	N14...			PIPE_3.0	Beam	Pipe	A500 Gr.B ...	Typical
10	PLATE12	N182	N180		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
11	PLATE11	N179	N18...		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
12	PLATE10	N17...	N16...		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
13	PLATE9	N16...	N17...		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
14	PLATE8	N170	N16...		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
15	PLATE7	N16...	N169		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
16	PLATE6	N17...	N191		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
17	PLATE5	N173	N4		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
18	PLATE4	N194	N210		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
19	PLATE3	N188	N17...		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
20	PLATE2	N207	N195		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
21	PLATE1	N3	N176		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
22	MP GAMMA3	N131	N130			PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical
23	MP GAMMA2	N127	N126			PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical
24	MP GAMMA1	N19...	N19...			PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical
25	MP BETA3	N152	N151			PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical
26	MP BETA2	N148	N147			PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical
27	MP BETA1	N20...	N20...			PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical
28	MP ALPHA3	N11...	N11...			PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical
29	MP ALPHA2	N10...	N105			PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical
30	MP ALPHA1	N18...	N187			PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical
31	FACE3A	N15	N16			PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical
32	FACE2A	N10	N9A			PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical
33	FACE1A	N2	N1			PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical
34	CR3B	N92	N48		90	CU3.38x2.06	Beam	CU	A1011	Typical
35	CR3A	N48	N93		90	CU3.38x2.06	Beam	CU	A1011	Typical
36	CR2B	N32	N34		270	CU3.38x2.06	Beam	CU	A1011	Typical
37	CR2A	N33	N34		270	CU3.38x2.06	Beam	CU	A1011	Typical
38	CR1B	N40	N89B		90	CU3.38x2.06	Beam	CU	A1011	Typical
39	CR1A	N40	N90A		90	CU3.38x2.06	Beam	CU	A1011	Typical
40	CORNER3	N4	N17...		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
41	CORNER2	N17...	N194		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
42	CORNER1	N195	N3		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
43	36	N19...	N20...			RIGID	None	None	RIGID	Typical
44	35	N19...	N19...			RIGID	None	None	RIGID	Typical
45	34	N183	N17...			RIGID	None	None	RIGID	Typical
46	33	N184	N17...			RIGID	None	None	RIGID	Typical
47	32	N32	N180			RIGID	None	None	RIGID	Typical
48	31	N90A	N179			RIGID	None	None	RIGID	Typical
49	30	N17...	N16...			RIGID	None	None	RIGID	Typical
50	29	N17...	N16...			RIGID	None	None	RIGID	Typical
51	28	N92	N16...			RIGID	None	None	RIGID	Typical
52	27	N33	N16...			RIGID	None	None	RIGID	Typical
53	26	N145	N146			RIGID	None	None	RIGID	Typical
54	25	N149	N150			RIGID	None	None	RIGID	Typical
55	24	N18...	N18...			RIGID	None	None	RIGID	Typical
56	23	N124	N125			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
57	22	N128	N129			RIGID	None	None	RIGID	Typical
58	21	N211	N212			RIGID	None	None	RIGID	Typical
59	20	N208	N209			RIGID	None	None	RIGID	Typical
60	19	N192	N193			RIGID	None	None	RIGID	Typical
61	18	N189	N190			RIGID	None	None	RIGID	Typical
62	17	N177	N178			RIGID	None	None	RIGID	Typical
63	16	N174	N175			RIGID	None	None	RIGID	Typical
64	15	N171	N47			RIGID	None	None	RIGID	Typical
65	14	N172	N38			RIGID	None	None	RIGID	Typical
66	13	N89B	N16...			RIGID	None	None	RIGID	Typical
67	12	N93	N16...			RIGID	None	None	RIGID	Typical
68	11	N10...	N10...			RIGID	None	None	RIGID	Typical
69	10	N101	N103			RIGID	None	None	RIGID	Typical
70	9	N112	N91A			RIGID	None	None	RIGID	Typical
71	8	N10...	N89			RIGID	None	None	RIGID	Typical
72	7	N109	N87B			RIGID	None	None	RIGID	Typical
73	6	N110	N88A			RIGID	None	None	RIGID	Typical
74	5	N106	N91			RIGID	None	None	RIGID	Typical
75	4	N107	N86A			RIGID	None	None	RIGID	Typical
76	3	N108	N87A			RIGID	None	None	RIGID	Typical
77	2	N111	N90			RIGID	None	None	RIGID	Typical
78	1	N10...	N89A			RIGID	None	None	RIGID	Typical
79	37	N12...	N12...			RIGID	None	None	RIGID	Typical
80	MP ALPHA4	N12...	N12...			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
81	RAIL3	N132	N133			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
82	RAIL2	N13...	N13...			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
83	RAIL1	N12...	N12...			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
84	38	N15...	N15...			RIGID	None	None	RIGID	Typical
85	39	N14...	N14...			RIGID	None	None	RIGID	Typical
86	40	N142	N143			RIGID	None	None	RIGID	Typical
87	41	N144	N14...			RIGID	None	None	RIGID	Typical
88	42	N14...	N14...			RIGID	None	None	RIGID	Typical
89	43	N138	N139			RIGID	None	None	RIGID	Typical
90	44	N140	N141			RIGID	None	None	RIGID	Typical
91	45	N136	N137			RIGID	None	None	RIGID	Typical
92	46	N134	N135			RIGID	None	None	RIGID	Typical
93	47	N15...	N154			RIGID	None	None	RIGID	Typical
94	48	N153	N155			RIGID	None	None	RIGID	Typical
95	49	N157	N159			RIGID	None	None	RIGID	Typical
96	50	N158	N160			RIGID	None	None	RIGID	Typical
97	51	N162	N164			RIGID	None	None	RIGID	Typical
98	52	N163	N165			RIGID	None	None	RIGID	Typical
99	BRACE1	N155	N159			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
100	BRACE2	N154	N165			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
101	BRACE3	N164	N160			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physi...	Defl ...	Analysi...	Inactive	Seis...
1	SUP3B						Yes				None
2	SUP3A						Yes				None
3	SUP2B						Yes				None
4	SUP2A						Yes				None
5	SUP1B						Yes				None
6	SUP1A						Yes				None
7	SO3a						Yes				None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physi...	Defl ...	Analysi...	Inactive	Seis...
8	SO2a						Yes	Default			None
9	SO1a						Yes				None
10	PLATE12						Yes				None
11	PLATE11						Yes				None
12	PLATE10						Yes				None
13	PLATE9						Yes				None
14	PLATE8						Yes				None
15	PLATE7						Yes				None
16	PLATE6						Yes				None
17	PLATE5						Yes				None
18	PLATE4						Yes				None
19	PLATE3						Yes				None
20	PLATE2						Yes				None
21	PLATE1						Yes				None
22	MP GAMMA3						Yes				None
23	MP GAMMA2						Yes				None
24	MP GAMMA1						Yes				None
25	MP BETA3						Yes				None
26	MP BETA2						Yes				None
27	MP BETA1						Yes				None
28	MP ALPHA3						Yes				None
29	MP ALPHA2						Yes				None
30	MP ALPHA1						Yes				None
31	FACE3A						Yes				None
32	FACE2A						Yes				None
33	FACE1A						Yes				None
34	CR3B						Yes	Default			None
35	CR3A						Yes	Default			None
36	CR2B						Yes	Default			None
37	CR2A						Yes	Default			None
38	CR1B						Yes	Default			None
39	CR1A						Yes	Default			None
40	CORNER3						Yes				None
41	CORNER2						Yes				None
42	CORNER1						Yes				None
43	36						Yes	** NA...			None
44	35						Yes	** NA...			None
45	34		OOOXOO				Yes	** NA...			None
46	33		OOOXOO				Yes	** NA...			None
47	32						Yes	** NA...			None
48	31						Yes	** NA...			None
49	30		OOOXOO				Yes	** NA...			None
50	29		OOOXOO				Yes	** NA...			None
51	28						Yes	** NA...			None
52	27						Yes	** NA...			None
53	26						Yes	** NA...			None
54	25						Yes	** NA...			None
55	24						Yes	** NA...			None
56	23						Yes	** NA...			None
57	22						Yes	** NA...			None
58	21		OOOXOO				Yes	** NA...			None
59	20		OOOXOO				Yes	** NA...			None
60	19		OOOXOO				Yes	** NA...			None
61	18		OOOXOO				Yes	** NA...			None
62	17		OOOXOO				Yes	** NA...			None
63	16		OOOXOO				Yes	** NA...			None
64	15		OOOXOO				Yes	** NA...			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physi...	Defl ...	Analysi...	Inactive	Seis...
65	14		OOOXOO				Yes	** NA...			None
66	13						Yes	** NA...			None
67	12						Yes	** NA...			None
68	11						Yes	** NA...			None
69	10						Yes	** NA...			None
70	9						Yes	** NA...			None
71	8						Yes	** NA...			None
72	7						Yes	** NA...			None
73	6						Yes	** NA...			None
74	5						Yes	** NA...			None
75	4						Yes	** NA...			None
76	3						Yes	** NA...			None
77	2						Yes	** NA...			None
78	1						Yes	** NA...			None
79	37						Yes	** NA...			None
80	MP ALPHA4						Yes				None
81	RAIL3						Yes				None
82	RAIL2						Yes				None
83	RAIL1						Yes				None
84	38						Yes	** NA...			None
85	39						Yes	** NA...			None
86	40						Yes	** NA...			None
87	41						Yes	** NA...			None
88	42						Yes	** NA...			None
89	43						Yes	** NA...			None
90	44						Yes	** NA...			None
91	45						Yes	** NA...			None
92	46						Yes	** NA...			None
93	47						Yes	** NA...			None
94	48						Yes	** NA...			None
95	49						Yes	** NA...			None
96	50						Yes	** NA...			None
97	51						Yes	** NA...			None
98	52						Yes	** NA...			None
99	BRACE1	BenPIN	BenPIN				Yes	Default			None
100	BRACE2	BenPIN	BenPIN				Yes	Default			None
101	BRACE3	BenPIN	BenPIN				Yes	Default			None

Hot Rolled Steel Properties

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

Cold Formed Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E5 F)	Density[k/ft^3]	Yield[ksi]	Fu[ksi]
1	A653 SS Gr33	29500	11346	.3	.65	.49	33	45
2	A653 SS Gr50/1	29500	11346	.3	.65	.49	50	65
3	A1011	29000	11154	.3	.65	.49	40	58

Member Point Loads (BLC 1 : Live Load)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	FACE1A	Z	-.5	0

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.254	2.5
2	MP BETA1	Y	-.135	7.25
3	MP BETA1	Y	-.135	2.5
4	MP GAMMA1	Y	-.135	7.25
5	MP GAMMA1	Y	-.135	2.5
6	MP ALPHA2	Y	-.26	7.25
7	MP ALPHA2	Y	-.26	2.5
8	MP BETA2	Y	-.137	7.25
9	MP BETA2	Y	-.137	2.5
10	MP GAMMA2	Y	-.137	7.25
11	MP GAMMA2	Y	-.137	2.5
12	MP ALPHA3	Y	-.073	5.25
13	MP ALPHA3	Y	-.073	2
14	MP BETA3	Y	-.043	5.25
15	MP BETA3	Y	-.043	2
16	MP GAMMA3	Y	-.043	5.25
17	MP GAMMA3	Y	-.043	2
18	MP ALPHA1	Y	-.075	5.5
19	MP BETA1	Y	-.059	5.5
20	MP GAMMA1	Y	-.059	5.5
21	MP ALPHA1	Y	-.076	5.5
22	MP BETA1	Y	-.068	5.5
23	MP GAMMA1	Y	-.068	5.5
24	MP ALPHA3	Y	-.005	4.5
25	MP BETA3	Y	-.047	4.5
26	MP GAMMA3	Y	-.047	4.5
27	MP ALPHA1	Y	-.044	5.5
28	MP ALPHA4	Y	-.046	2
29	MP ALPHA1	Y	-.254	7.25

Member Point Loads (BLC 3 : Dead Load)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.045	2.5
2	MP BETA1	Z	-.045	7.25
3	MP BETA1	Z	-.045	2.5
4	MP GAMMA1	Z	-.045	7.25
5	MP GAMMA1	Z	-.045	2.5
6	MP ALPHA2	Z	-.032	7.25
7	MP ALPHA2	Z	-.032	2.5
8	MP BETA2	Z	-.032	7.25
9	MP BETA2	Z	-.032	2.5
10	MP GAMMA2	Z	-.032	7.25
11	MP GAMMA2	Z	-.032	2.5
12	MP ALPHA3	Z	-.018	5.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
13	MP ALPHA3	Z	-.018	2
14	MP BETA3	Z	-.018	5.25
15	MP BETA3	Z	-.018	2
16	MP GAMMA3	Z	-.018	5.25
17	MP GAMMA3	Z	-.018	2
18	MP ALPHA1	Z	-.071	5.5
19	MP BETA1	Z	-.071	5.5
20	MP GAMMA1	Z	-.071	5.5
21	MP ALPHA1	Z	-.075	5.5
22	MP BETA1	Z	-.075	5.5
23	MP GAMMA1	Z	-.075	5.5
24	MP ALPHA3	Z	-.044	4.5
25	MP BETA3	Z	-.044	4.5
26	MP GAMMA3	Z	-.044	4.5
27	MP ALPHA1	Z	-.026	5.5
28	MP ALPHA4	Z	-.033	2
29	MP ALPHA1	Y	-.185	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.185	2.5
2	MP ALPHA1	X	-.107	7.25
3	MP ALPHA1	X	-.107	2.5
4	MP BETA1	Y	-.082	7.25
5	MP BETA1	Y	-.082	2.5
6	MP BETA1	X	-.048	7.25
7	MP BETA1	X	-.048	2.5
8	MP GAMMA1	Y	-.185	7.25
9	MP GAMMA1	Y	-.185	2.5
10	MP GAMMA1	X	-.107	7.25
11	MP GAMMA1	X	-.107	2.5
12	MP ALPHA2	Y	-.19	7.25
13	MP ALPHA2	Y	-.19	2.5
14	MP ALPHA2	X	-.11	7.25
15	MP ALPHA2	X	-.11	2.5
16	MP BETA2	Y	-.084	7.25
17	MP BETA2	Y	-.084	2.5
18	MP BETA2	X	-.048	7.25
19	MP BETA2	X	-.048	2.5
20	MP GAMMA2	Y	-.19	7.25
21	MP GAMMA2	Y	-.19	2.5
22	MP GAMMA2	X	-.11	7.25
23	MP GAMMA2	X	-.11	2.5
24	MP ALPHA3	Y	-.054	5.25
25	MP ALPHA3	Y	-.054	2
26	MP ALPHA3	X	-.031	5.25
27	MP ALPHA3	X	-.031	2
28	MP BETA3	Y	-.029	5.25
29	MP BETA3	Y	-.029	2
30	MP BETA3	X	-.017	5.25
31	MP BETA3	X	-.017	2
32	MP GAMMA3	Y	-.054	5.25
33	MP GAMMA3	Y	-.054	2
34	MP GAMMA3	X	-.031	5.25
35	MP GAMMA3	X	-.031	2
36	MP ALPHA1	Y	-.061	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
37	MP ALPHA1	X	-.035	5.5
38	MP BETA1	Y	-.047	5.5
39	MP BETA1	X	-.027	5.5
40	MP GAMMA1	Y	-.061	5.5
41	MP GAMMA1	X	-.035	5.5
42	MP ALPHA1	Y	-.063	5.5
43	MP ALPHA1	X	-.037	5.5
44	MP BETA1	Y	-.056	5.5
45	MP BETA1	X	-.032	5.5
46	MP GAMMA1	Y	-.063	5.5
47	MP GAMMA1	X	-.037	5.5
48	MP ALPHA3	Y	-.016	4.5
49	MP ALPHA3	X	-.009	4.5
50	MP BETA3	Y	-.053	4.5
51	MP BETA3	X	-.03	4.5
52	MP GAMMA3	Y	-.016	4.5
53	MP GAMMA3	X	-.009	4.5
54	MP ALPHA1	Y	-.039	5.5
55	MP ALPHA1	X	-.023	5.5
56	MP ALPHA4	Y	-.041	2
57	MP ALPHA4	X	-.024	2
58	MP ALPHA1	Y	-.067	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.067	2.5
2	MP ALPHA1	X	-.117	7.25
3	MP ALPHA1	X	-.117	2.5
4	MP BETA1	Y	-.067	7.25
5	MP BETA1	Y	-.067	2.5
6	MP BETA1	X	-.117	7.25
7	MP BETA1	X	-.117	2.5
8	MP GAMMA1	Y	-.127	7.25
9	MP GAMMA1	Y	-.127	2.5
10	MP GAMMA1	X	-.22	7.25
11	MP GAMMA1	X	-.22	2.5
12	MP ALPHA2	Y	-.069	7.25
13	MP ALPHA2	Y	-.069	2.5
14	MP ALPHA2	X	-.119	7.25
15	MP ALPHA2	X	-.119	2.5
16	MP BETA2	Y	-.069	7.25
17	MP BETA2	Y	-.069	2.5
18	MP BETA2	X	-.119	7.25
19	MP BETA2	X	-.119	2.5
20	MP GAMMA2	Y	-.13	7.25
21	MP GAMMA2	Y	-.13	2.5
22	MP GAMMA2	X	-.225	7.25
23	MP GAMMA2	X	-.225	2.5
24	MP ALPHA3	Y	-.022	5.25
25	MP ALPHA3	Y	-.022	2
26	MP ALPHA3	X	-.037	5.25
27	MP ALPHA3	X	-.037	2
28	MP BETA3	Y	-.022	5.25
29	MP BETA3	Y	-.022	2
30	MP BETA3	X	-.037	5.25
31	MP BETA3	X	-.037	2

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
32	MP GAMMA3	Y	-.036	5.25
33	MP GAMMA3	Y	-.036	2
34	MP GAMMA3	X	-.063	5.25
35	MP GAMMA3	X	-.063	2
36	MP ALPHA1	Y	-.03	5.5
37	MP ALPHA1	X	-.051	5.5
38	MP BETA1	Y	-.03	5.5
39	MP BETA1	X	-.051	5.5
40	MP GAMMA1	Y	-.038	5.5
41	MP GAMMA1	X	-.065	5.5
42	MP ALPHA1	Y	-.034	5.5
43	MP ALPHA1	X	-.059	5.5
44	MP BETA1	Y	-.034	5.5
45	MP BETA1	X	-.059	5.5
46	MP GAMMA1	Y	-.038	5.5
47	MP GAMMA1	X	-.066	5.5
48	MP ALPHA3	Y	-.023	4.5
49	MP ALPHA3	X	-.04	4.5
50	MP BETA3	Y	-.023	4.5
51	MP BETA3	X	-.04	4.5
52	MP GAMMA3	Y	-.002	4.5
53	MP GAMMA3	X	-.004	4.5
54	MP ALPHA1	Y	-.024	5.5
55	MP ALPHA1	X	-.041	5.5
56	MP ALPHA4	Y	-.025	2
57	MP ALPHA4	X	-.044	2
58	MP ALPHA1	X	-.095	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	-.095	2.5
2	MP BETA1	X	-.214	7.25
3	MP BETA1	X	-.214	2.5
4	MP GAMMA1	X	-.214	7.25
5	MP GAMMA1	X	-.214	2.5
6	MP ALPHA2	X	-.097	7.25
7	MP ALPHA2	X	-.097	2.5
8	MP BETA2	X	-.219	7.25
9	MP BETA2	X	-.219	2.5
10	MP GAMMA2	X	-.219	7.25
11	MP GAMMA2	X	-.219	2.5
12	MP ALPHA3	X	-.033	5.25
13	MP ALPHA3	X	-.033	2
14	MP BETA3	X	-.063	5.25
15	MP BETA3	X	-.063	2
16	MP GAMMA3	X	-.063	5.25
17	MP GAMMA3	X	-.063	2
18	MP ALPHA1	X	-.054	5.5
19	MP BETA1	X	-.07	5.5
20	MP GAMMA1	X	-.07	5.5
21	MP ALPHA1	X	-.065	5.5
22	MP BETA1	X	-.073	5.5
23	MP GAMMA1	X	-.073	5.5
24	MP ALPHA3	X	-.061	4.5
25	MP BETA3	X	-.019	4.5
26	MP GAMMA3	X	-.019	4.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
27	MP ALPHA1	X	-.049	5.5
28	MP ALPHA4	X	-.052	2
29	MP ALPHA1	Y	.067	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.067	2.5
2	MP ALPHA1	X	-.117	7.25
3	MP ALPHA1	X	-.117	2.5
4	MP BETA1	Y	.127	7.25
5	MP BETA1	Y	.127	2.5
6	MP BETA1	X	-.22	7.25
7	MP BETA1	X	-.22	2.5
8	MP GAMMA1	Y	.067	7.25
9	MP GAMMA1	Y	.067	2.5
10	MP GAMMA1	X	-.117	7.25
11	MP GAMMA1	X	-.117	2.5
12	MP ALPHA2	Y	.069	7.25
13	MP ALPHA2	Y	.069	2.5
14	MP ALPHA2	X	-.119	7.25
15	MP ALPHA2	X	-.119	2.5
16	MP BETA2	Y	.13	7.25
17	MP BETA2	Y	.13	2.5
18	MP BETA2	X	-.225	7.25
19	MP BETA2	X	-.225	2.5
20	MP GAMMA2	Y	.069	7.25
21	MP GAMMA2	Y	.069	2.5
22	MP GAMMA2	X	-.119	7.25
23	MP GAMMA2	X	-.119	2.5
24	MP ALPHA3	Y	.022	5.25
25	MP ALPHA3	Y	.022	2
26	MP ALPHA3	X	-.037	5.25
27	MP ALPHA3	X	-.037	2
28	MP BETA3	Y	.036	5.25
29	MP BETA3	Y	.036	2
30	MP BETA3	X	-.063	5.25
31	MP BETA3	X	-.063	2
32	MP GAMMA3	Y	.022	5.25
33	MP GAMMA3	Y	.022	2
34	MP GAMMA3	X	-.037	5.25
35	MP GAMMA3	X	-.037	2
36	MP ALPHA1	Y	.03	5.5
37	MP ALPHA1	X	-.051	5.5
38	MP BETA1	Y	.038	5.5
39	MP BETA1	X	-.065	5.5
40	MP GAMMA1	Y	.03	5.5
41	MP GAMMA1	X	-.051	5.5
42	MP ALPHA1	Y	.034	5.5
43	MP ALPHA1	X	-.059	5.5
44	MP BETA1	Y	.038	5.5
45	MP BETA1	X	-.066	5.5
46	MP GAMMA1	Y	.034	5.5
47	MP GAMMA1	X	-.059	5.5
48	MP ALPHA3	Y	.023	4.5
49	MP ALPHA3	X	-.04	4.5
50	MP BETA3	Y	.002	4.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
51	MP BETA3	X	-.004	4.5
52	MP GAMMA3	Y	.023	4.5
53	MP GAMMA3	X	-.04	4.5
54	MP ALPHA1	Y	.024	5.5
55	MP ALPHA1	X	-.041	5.5
56	MP ALPHA4	Y	.025	2
57	MP ALPHA4	X	-.044	2
58	MP ALPHA1	Y	.185	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.185	2.5
2	MP ALPHA1	X	-.107	7.25
3	MP ALPHA1	X	-.107	2.5
4	MP BETA1	Y	.185	7.25
5	MP BETA1	Y	.185	2.5
6	MP BETA1	X	-.107	7.25
7	MP BETA1	X	-.107	2.5
8	MP GAMMA1	Y	.082	7.25
9	MP GAMMA1	Y	.082	2.5
10	MP GAMMA1	X	-.048	7.25
11	MP GAMMA1	X	-.048	2.5
12	MP ALPHA2	Y	.19	7.25
13	MP ALPHA2	Y	.19	2.5
14	MP ALPHA2	X	-.11	7.25
15	MP ALPHA2	X	-.11	2.5
16	MP BETA2	Y	.19	7.25
17	MP BETA2	Y	.19	2.5
18	MP BETA2	X	-.11	7.25
19	MP BETA2	X	-.11	2.5
20	MP GAMMA2	Y	.084	7.25
21	MP GAMMA2	Y	.084	2.5
22	MP GAMMA2	X	-.048	7.25
23	MP GAMMA2	X	-.048	2.5
24	MP ALPHA3	Y	.054	5.25
25	MP ALPHA3	Y	.054	2
26	MP ALPHA3	X	-.031	5.25
27	MP ALPHA3	X	-.031	2
28	MP BETA3	Y	.054	5.25
29	MP BETA3	Y	.054	2
30	MP BETA3	X	-.031	5.25
31	MP BETA3	X	-.031	2
32	MP GAMMA3	Y	.029	5.25
33	MP GAMMA3	Y	.029	2
34	MP GAMMA3	X	-.017	5.25
35	MP GAMMA3	X	-.017	2
36	MP ALPHA1	Y	.061	5.5
37	MP ALPHA1	X	-.035	5.5
38	MP BETA1	Y	.061	5.5
39	MP BETA1	X	-.035	5.5
40	MP GAMMA1	Y	.047	5.5
41	MP GAMMA1	X	-.027	5.5
42	MP ALPHA1	Y	.063	5.5
43	MP ALPHA1	X	-.037	5.5
44	MP BETA1	Y	.063	5.5
45	MP BETA1	X	-.037	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
46	MP GAMMA1	Y	.056	5.5
47	MP GAMMA1	X	-.032	5.5
48	MP ALPHA3	Y	.016	4.5
49	MP ALPHA3	X	-.009	4.5
50	MP BETA3	Y	.016	4.5
51	MP BETA3	X	-.009	4.5
52	MP GAMMA3	Y	.053	4.5
53	MP GAMMA3	X	-.03	4.5
54	MP ALPHA1	Y	.039	5.5
55	MP ALPHA1	X	-.023	5.5
56	MP ALPHA4	Y	.041	2
57	MP ALPHA4	X	-.024	2
58	MP ALPHA1	Y	.254	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.254	2.5
2	MP BETA1	Y	.135	7.25
3	MP BETA1	Y	.135	2.5
4	MP GAMMA1	Y	.135	7.25
5	MP GAMMA1	Y	.135	2.5
6	MP ALPHA2	Y	.26	7.25
7	MP ALPHA2	Y	.26	2.5
8	MP BETA2	Y	.137	7.25
9	MP BETA2	Y	.137	2.5
10	MP GAMMA2	Y	.137	7.25
11	MP GAMMA2	Y	.137	2.5
12	MP ALPHA3	Y	.073	5.25
13	MP ALPHA3	Y	.073	2
14	MP BETA3	Y	.043	5.25
15	MP BETA3	Y	.043	2
16	MP GAMMA3	Y	.043	5.25
17	MP GAMMA3	Y	.043	2
18	MP ALPHA1	Y	.075	5.5
19	MP BETA1	Y	.059	5.5
20	MP GAMMA1	Y	.059	5.5
21	MP ALPHA1	Y	.076	5.5
22	MP BETA1	Y	.068	5.5
23	MP GAMMA1	Y	.068	5.5
24	MP ALPHA3	Y	.005	4.5
25	MP BETA3	Y	.047	4.5
26	MP GAMMA3	Y	.047	4.5
27	MP ALPHA1	Y	.044	5.5
28	MP ALPHA4	Y	.046	2
29	MP ALPHA1	Y	.185	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.185	2.5
2	MP ALPHA1	X	.107	7.25
3	MP ALPHA1	X	.107	2.5
4	MP BETA1	Y	.082	7.25
5	MP BETA1	Y	.082	2.5
6	MP BETA1	X	.048	7.25
7	MP BETA1	X	.048	2.5
8	MP GAMMA1	Y	.185	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
9	MP GAMMA1	Y	.185	2.5
10	MP GAMMA1	X	.107	7.25
11	MP GAMMA1	X	.107	2.5
12	MP ALPHA2	Y	.19	7.25
13	MP ALPHA2	Y	.19	2.5
14	MP ALPHA2	X	.11	7.25
15	MP ALPHA2	X	.11	2.5
16	MP BETA2	Y	.084	7.25
17	MP BETA2	Y	.084	2.5
18	MP BETA2	X	.048	7.25
19	MP BETA2	X	.048	2.5
20	MP GAMMA2	Y	.19	7.25
21	MP GAMMA2	Y	.19	2.5
22	MP GAMMA2	X	.11	7.25
23	MP GAMMA2	X	.11	2.5
24	MP ALPHA3	Y	.054	5.25
25	MP ALPHA3	Y	.054	2
26	MP ALPHA3	X	.031	5.25
27	MP ALPHA3	X	.031	2
28	MP BETA3	Y	.029	5.25
29	MP BETA3	Y	.029	2
30	MP BETA3	X	.017	5.25
31	MP BETA3	X	.017	2
32	MP GAMMA3	Y	.054	5.25
33	MP GAMMA3	Y	.054	2
34	MP GAMMA3	X	.031	5.25
35	MP GAMMA3	X	.031	2
36	MP ALPHA1	Y	.061	5.5
37	MP ALPHA1	X	.035	5.5
38	MP BETA1	Y	.047	5.5
39	MP BETA1	X	.027	5.5
40	MP GAMMA1	Y	.061	5.5
41	MP GAMMA1	X	.035	5.5
42	MP ALPHA1	Y	.063	5.5
43	MP ALPHA1	X	.037	5.5
44	MP BETA1	Y	.056	5.5
45	MP BETA1	X	.032	5.5
46	MP GAMMA1	Y	.063	5.5
47	MP GAMMA1	X	.037	5.5
48	MP ALPHA3	Y	.016	4.5
49	MP ALPHA3	X	.009	4.5
50	MP BETA3	Y	.053	4.5
51	MP BETA3	X	.03	4.5
52	MP GAMMA3	Y	.016	4.5
53	MP GAMMA3	X	.009	4.5
54	MP ALPHA1	Y	.039	5.5
55	MP ALPHA1	X	.023	5.5
56	MP ALPHA4	Y	.041	2
57	MP ALPHA4	X	.024	2
58	MP ALPHA1	Y	.067	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.067	2.5
2	MP ALPHA1	X	.117	7.25
3	MP ALPHA1	X	.117	2.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
4	MP BETA1	Y	.067	7.25
5	MP BETA1	Y	.067	2.5
6	MP BETA1	X	.117	7.25
7	MP BETA1	X	.117	2.5
8	MP GAMMA1	Y	.127	7.25
9	MP GAMMA1	Y	.127	2.5
10	MP GAMMA1	X	.22	7.25
11	MP GAMMA1	X	.22	2.5
12	MP ALPHA2	Y	.069	7.25
13	MP ALPHA2	Y	.069	2.5
14	MP ALPHA2	X	.119	7.25
15	MP ALPHA2	X	.119	2.5
16	MP BETA2	Y	.069	7.25
17	MP BETA2	Y	.069	2.5
18	MP BETA2	X	.119	7.25
19	MP BETA2	X	.119	2.5
20	MP GAMMA2	Y	.13	7.25
21	MP GAMMA2	Y	.13	2.5
22	MP GAMMA2	X	.225	7.25
23	MP GAMMA2	X	.225	2.5
24	MP ALPHA3	Y	.022	5.25
25	MP ALPHA3	Y	.022	2
26	MP ALPHA3	X	.037	5.25
27	MP ALPHA3	X	.037	2
28	MP BETA3	Y	.022	5.25
29	MP BETA3	Y	.022	2
30	MP BETA3	X	.037	5.25
31	MP BETA3	X	.037	2
32	MP GAMMA3	Y	.036	5.25
33	MP GAMMA3	Y	.036	2
34	MP GAMMA3	X	.063	5.25
35	MP GAMMA3	X	.063	2
36	MP ALPHA1	Y	.03	5.5
37	MP ALPHA1	X	.051	5.5
38	MP BETA1	Y	.03	5.5
39	MP BETA1	X	.051	5.5
40	MP GAMMA1	Y	.038	5.5
41	MP GAMMA1	X	.065	5.5
42	MP ALPHA1	Y	.034	5.5
43	MP ALPHA1	X	.059	5.5
44	MP BETA1	Y	.034	5.5
45	MP BETA1	X	.059	5.5
46	MP GAMMA1	Y	.038	5.5
47	MP GAMMA1	X	.066	5.5
48	MP ALPHA3	Y	.023	4.5
49	MP ALPHA3	X	.04	4.5
50	MP BETA3	Y	.023	4.5
51	MP BETA3	X	.04	4.5
52	MP GAMMA3	Y	.002	4.5
53	MP GAMMA3	X	.004	4.5
54	MP ALPHA1	Y	.024	5.5
55	MP ALPHA1	X	.041	5.5
56	MP ALPHA4	Y	.025	2
57	MP ALPHA4	X	.044	2
58	MP ALPHA1	X	.095	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	.095	2.5
2	MP BETA1	X	.214	7.25
3	MP BETA1	X	.214	2.5
4	MP GAMMA1	X	.214	7.25
5	MP GAMMA1	X	.214	2.5
6	MP ALPHA2	X	.097	7.25
7	MP ALPHA2	X	.097	2.5
8	MP BETA2	X	.219	7.25
9	MP BETA2	X	.219	2.5
10	MP GAMMA2	X	.219	7.25
11	MP GAMMA2	X	.219	2.5
12	MP ALPHA3	X	.033	5.25
13	MP ALPHA3	X	.033	2
14	MP BETA3	X	.063	5.25
15	MP BETA3	X	.063	2
16	MP GAMMA3	X	.063	5.25
17	MP GAMMA3	X	.063	2
18	MP ALPHA1	X	.054	5.5
19	MP BETA1	X	.07	5.5
20	MP GAMMA1	X	.07	5.5
21	MP ALPHA1	X	.065	5.5
22	MP BETA1	X	.073	5.5
23	MP GAMMA1	X	.073	5.5
24	MP ALPHA3	X	.061	4.5
25	MP BETA3	X	.019	4.5
26	MP GAMMA3	X	.019	4.5
27	MP ALPHA1	X	.049	5.5
28	MP ALPHA4	X	.052	2
29	MP ALPHA1	Y	-.067	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.067	2.5
2	MP ALPHA1	X	.117	7.25
3	MP ALPHA1	X	.117	2.5
4	MP BETA1	Y	-.127	7.25
5	MP BETA1	Y	-.127	2.5
6	MP BETA1	X	.22	7.25
7	MP BETA1	X	.22	2.5
8	MP GAMMA1	Y	-.067	7.25
9	MP GAMMA1	Y	-.067	2.5
10	MP GAMMA1	X	.117	7.25
11	MP GAMMA1	X	.117	2.5
12	MP ALPHA2	Y	-.069	7.25
13	MP ALPHA2	Y	-.069	2.5
14	MP ALPHA2	X	.119	7.25
15	MP ALPHA2	X	.119	2.5
16	MP BETA2	Y	-.13	7.25
17	MP BETA2	Y	-.13	2.5
18	MP BETA2	X	.225	7.25
19	MP BETA2	X	.225	2.5
20	MP GAMMA2	Y	-.069	7.25
21	MP GAMMA2	Y	-.069	2.5
22	MP GAMMA2	X	.119	7.25
23	MP GAMMA2	X	.119	2.5
24	MP ALPHA3	Y	-.022	5.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
25	MP ALPHA3	Y	-.022	2
26	MP ALPHA3	X	.037	5.25
27	MP ALPHA3	X	.037	2
28	MP BETA3	Y	-.036	5.25
29	MP BETA3	Y	-.036	2
30	MP BETA3	X	.063	5.25
31	MP BETA3	X	.063	2
32	MP GAMMA3	Y	-.022	5.25
33	MP GAMMA3	Y	-.022	2
34	MP GAMMA3	X	.037	5.25
35	MP GAMMA3	X	.037	2
36	MP ALPHA1	Y	-.03	5.5
37	MP ALPHA1	X	.051	5.5
38	MP BETA1	Y	-.038	5.5
39	MP BETA1	X	.065	5.5
40	MP GAMMA1	Y	-.03	5.5
41	MP GAMMA1	X	.051	5.5
42	MP ALPHA1	Y	-.034	5.5
43	MP ALPHA1	X	.059	5.5
44	MP BETA1	Y	-.038	5.5
45	MP BETA1	X	.066	5.5
46	MP GAMMA1	Y	-.034	5.5
47	MP GAMMA1	X	.059	5.5
48	MP ALPHA3	Y	-.023	4.5
49	MP ALPHA3	X	.04	4.5
50	MP BETA3	Y	-.002	4.5
51	MP BETA3	X	.004	4.5
52	MP GAMMA3	Y	-.023	4.5
53	MP GAMMA3	X	.04	4.5
54	MP ALPHA1	Y	-.024	5.5
55	MP ALPHA1	X	.041	5.5
56	MP ALPHA4	Y	-.025	2
57	MP ALPHA4	X	.044	2
58	MP ALPHA1	Y	-.185	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.185	2.5
2	MP ALPHA1	X	.107	7.25
3	MP ALPHA1	X	.107	2.5
4	MP BETA1	Y	-.185	7.25
5	MP BETA1	Y	-.185	2.5
6	MP BETA1	X	.107	7.25
7	MP BETA1	X	.107	2.5
8	MP GAMMA1	Y	-.082	7.25
9	MP GAMMA1	Y	-.082	2.5
10	MP GAMMA1	X	.048	7.25
11	MP GAMMA1	X	.048	2.5
12	MP ALPHA2	Y	-.19	7.25
13	MP ALPHA2	Y	-.19	2.5
14	MP ALPHA2	X	.11	7.25
15	MP ALPHA2	X	.11	2.5
16	MP BETA2	Y	-.19	7.25
17	MP BETA2	Y	-.19	2.5
18	MP BETA2	X	.11	7.25
19	MP BETA2	X	.11	2.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
20	MP GAMMA2	Y	-.084	7.25
21	MP GAMMA2	Y	-.084	2.5
22	MP GAMMA2	X	.048	7.25
23	MP GAMMA2	X	.048	2.5
24	MP ALPHA3	Y	-.054	5.25
25	MP ALPHA3	Y	-.054	2
26	MP ALPHA3	X	.031	5.25
27	MP ALPHA3	X	.031	2
28	MP BETA3	Y	-.054	5.25
29	MP BETA3	Y	-.054	2
30	MP BETA3	X	.031	5.25
31	MP BETA3	X	.031	2
32	MP GAMMA3	Y	-.029	5.25
33	MP GAMMA3	Y	-.029	2
34	MP GAMMA3	X	.017	5.25
35	MP GAMMA3	X	.017	2
36	MP ALPHA1	Y	-.061	5.5
37	MP ALPHA1	X	.035	5.5
38	MP BETA1	Y	-.061	5.5
39	MP BETA1	X	.035	5.5
40	MP GAMMA1	Y	-.047	5.5
41	MP GAMMA1	X	.027	5.5
42	MP ALPHA1	Y	-.063	5.5
43	MP ALPHA1	X	.037	5.5
44	MP BETA1	Y	-.063	5.5
45	MP BETA1	X	.037	5.5
46	MP GAMMA1	Y	-.056	5.5
47	MP GAMMA1	X	.032	5.5
48	MP ALPHA3	Y	-.016	4.5
49	MP ALPHA3	X	.009	4.5
50	MP BETA3	Y	-.016	4.5
51	MP BETA3	X	.009	4.5
52	MP GAMMA3	Y	-.053	4.5
53	MP GAMMA3	X	.03	4.5
54	MP ALPHA1	Y	-.039	5.5
55	MP ALPHA1	X	.023	5.5
56	MP ALPHA4	Y	-.041	2
57	MP ALPHA4	X	.024	2
58	MP ALPHA1	Y	-.017	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.017	2.5
2	MP BETA1	Y	-.009	7.25
3	MP BETA1	Y	-.009	2.5
4	MP GAMMA1	Y	-.009	7.25
5	MP GAMMA1	Y	-.009	2.5
6	MP ALPHA2	Y	-.017	7.25
7	MP ALPHA2	Y	-.017	2.5
8	MP BETA2	Y	-.009	7.25
9	MP BETA2	Y	-.009	2.5
10	MP GAMMA2	Y	-.009	7.25
11	MP GAMMA2	Y	-.009	2.5
12	MP ALPHA3	Y	-.005	5.25
13	MP ALPHA3	Y	-.005	2
14	MP BETA3	Y	-.003	5.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
15	MP BETA3	Y	-.003	2
16	MP GAMMA3	Y	-.003	5.25
17	MP GAMMA3	Y	-.003	2
18	MP ALPHA1	Y	-.005	5.5
19	MP BETA1	Y	-.004	5.5
20	MP GAMMA1	Y	-.004	5.5
21	MP ALPHA1	Y	-.005	5.5
22	MP BETA1	Y	-.004	5.5
23	MP GAMMA1	Y	-.004	5.5
24	MP ALPHA3	Y	-.000323	4.5
25	MP BETA3	Y	-.003	4.5
26	MP GAMMA3	Y	-.003	4.5
27	MP ALPHA1	Y	-.003	5.5
28	MP ALPHA4	Y	-.003	2
29	MP ALPHA1	Y	-.012	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.012	2.5
2	MP ALPHA1	X	-.007	7.25
3	MP ALPHA1	X	-.007	2.5
4	MP BETA1	Y	-.005	7.25
5	MP BETA1	Y	-.005	2.5
6	MP BETA1	X	-.003	7.25
7	MP BETA1	X	-.003	2.5
8	MP GAMMA1	Y	-.012	7.25
9	MP GAMMA1	Y	-.012	2.5
10	MP GAMMA1	X	-.007	7.25
11	MP GAMMA1	X	-.007	2.5
12	MP ALPHA2	Y	-.012	7.25
13	MP ALPHA2	Y	-.012	2.5
14	MP ALPHA2	X	-.007	7.25
15	MP ALPHA2	X	-.007	2.5
16	MP BETA2	Y	-.005	7.25
17	MP BETA2	Y	-.005	2.5
18	MP BETA2	X	-.003	7.25
19	MP BETA2	X	-.003	2.5
20	MP GAMMA2	Y	-.012	7.25
21	MP GAMMA2	Y	-.012	2.5
22	MP GAMMA2	X	-.007	7.25
23	MP GAMMA2	X	-.007	2.5
24	MP ALPHA3	Y	-.004	5.25
25	MP ALPHA3	Y	-.004	2
26	MP ALPHA3	X	-.002	5.25
27	MP ALPHA3	X	-.002	2
28	MP BETA3	Y	-.002	5.25
29	MP BETA3	Y	-.002	2
30	MP BETA3	X	-.001	5.25
31	MP BETA3	X	-.001	2
32	MP GAMMA3	Y	-.004	5.25
33	MP GAMMA3	Y	-.004	2
34	MP GAMMA3	X	-.002	5.25
35	MP GAMMA3	X	-.002	2
36	MP ALPHA1	Y	-.004	5.5
37	MP ALPHA1	X	-.002	5.5
38	MP BETA1	Y	-.003	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
39	MP BETA1	X	-.002	5.5
40	MP GAMMA1	Y	-.004	5.5
41	MP GAMMA1	X	-.002	5.5
42	MP ALPHA1	Y	-.004	5.5
43	MP ALPHA1	X	-.002	5.5
44	MP BETA1	Y	-.004	5.5
45	MP BETA1	X	-.002	5.5
46	MP GAMMA1	Y	-.004	5.5
47	MP GAMMA1	X	-.002	5.5
48	MP ALPHA3	Y	-.001	4.5
49	MP ALPHA3	X	-.00062	4.5
50	MP BETA3	Y	-.003	4.5
51	MP BETA3	X	-.002	4.5
52	MP GAMMA3	Y	-.001	4.5
53	MP GAMMA3	X	-.00062	4.5
54	MP ALPHA1	Y	-.003	5.5
55	MP ALPHA1	X	-.001	5.5
56	MP ALPHA4	Y	-.003	2
57	MP ALPHA4	X	-.002	2
58	MP ALPHA1	Y	-.004	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.004	2.5
2	MP ALPHA1	X	-.008	7.25
3	MP ALPHA1	X	-.008	2.5
4	MP BETA1	Y	-.004	7.25
5	MP BETA1	Y	-.004	2.5
6	MP BETA1	X	-.008	7.25
7	MP BETA1	X	-.008	2.5
8	MP GAMMA1	Y	-.008	7.25
9	MP GAMMA1	Y	-.008	2.5
10	MP GAMMA1	X	-.014	7.25
11	MP GAMMA1	X	-.014	2.5
12	MP ALPHA2	Y	-.005	7.25
13	MP ALPHA2	Y	-.005	2.5
14	MP ALPHA2	X	-.008	7.25
15	MP ALPHA2	X	-.008	2.5
16	MP BETA2	Y	-.005	7.25
17	MP BETA2	Y	-.005	2.5
18	MP BETA2	X	-.008	7.25
19	MP BETA2	X	-.008	2.5
20	MP GAMMA2	Y	-.009	7.25
21	MP GAMMA2	Y	-.009	2.5
22	MP GAMMA2	X	-.015	7.25
23	MP GAMMA2	X	-.015	2.5
24	MP ALPHA3	Y	-.001	5.25
25	MP ALPHA3	Y	-.001	2
26	MP ALPHA3	X	-.002	5.25
27	MP ALPHA3	X	-.002	2
28	MP BETA3	Y	-.001	5.25
29	MP BETA3	Y	-.001	2
30	MP BETA3	X	-.002	5.25
31	MP BETA3	X	-.002	2
32	MP GAMMA3	Y	-.002	5.25
33	MP GAMMA3	Y	-.002	2

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
34	MP GAMMA3	X	-.004	5.25
35	MP GAMMA3	X	-.004	2
36	MP ALPHA1	Y	-.002	5.5
37	MP ALPHA1	X	-.003	5.5
38	MP BETA1	Y	-.002	5.5
39	MP BETA1	X	-.003	5.5
40	MP GAMMA1	Y	-.002	5.5
41	MP GAMMA1	X	-.004	5.5
42	MP ALPHA1	Y	-.002	5.5
43	MP ALPHA1	X	-.004	5.5
44	MP BETA1	Y	-.002	5.5
45	MP BETA1	X	-.004	5.5
46	MP GAMMA1	Y	-.002	5.5
47	MP GAMMA1	X	-.004	5.5
48	MP ALPHA3	Y	-.002	4.5
49	MP ALPHA3	X	-.003	4.5
50	MP BETA3	Y	-.002	4.5
51	MP BETA3	X	-.003	4.5
52	MP GAMMA3	Y	-.000162	4.5
53	MP GAMMA3	X	-.00028	4.5
54	MP ALPHA1	Y	-.002	5.5
55	MP ALPHA1	X	-.003	5.5
56	MP ALPHA4	Y	-.002	2
57	MP ALPHA4	X	-.003	2
58	MP ALPHA1	X	-.006	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	-.006	2.5
2	MP BETA1	X	-.014	7.25
3	MP BETA1	X	-.014	2.5
4	MP GAMMA1	X	-.014	7.25
5	MP GAMMA1	X	-.014	2.5
6	MP ALPHA2	X	-.006	7.25
7	MP ALPHA2	X	-.006	2.5
8	MP BETA2	X	-.014	7.25
9	MP BETA2	X	-.014	2.5
10	MP GAMMA2	X	-.014	7.25
11	MP GAMMA2	X	-.014	2.5
12	MP ALPHA3	X	-.002	5.25
13	MP ALPHA3	X	-.002	2
14	MP BETA3	X	-.004	5.25
15	MP BETA3	X	-.004	2
16	MP GAMMA3	X	-.004	5.25
17	MP GAMMA3	X	-.004	2
18	MP ALPHA1	X	-.004	5.5
19	MP BETA1	X	-.005	5.5
20	MP GAMMA1	X	-.005	5.5
21	MP ALPHA1	X	-.004	5.5
22	MP BETA1	X	-.005	5.5
23	MP GAMMA1	X	-.005	5.5
24	MP ALPHA3	X	-.004	4.5
25	MP BETA3	X	-.001	4.5
26	MP GAMMA3	X	-.001	4.5
27	MP ALPHA1	X	-.003	5.5
28	MP ALPHA4	X	-.003	2

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
29	MP ALPHA1	Y	.004	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.004	2.5
2	MP ALPHA1	X	-.008	7.25
3	MP ALPHA1	X	-.008	2.5
4	MP BETA1	Y	.008	7.25
5	MP BETA1	Y	.008	2.5
6	MP BETA1	X	-.014	7.25
7	MP BETA1	X	-.014	2.5
8	MP GAMMA1	Y	.004	7.25
9	MP GAMMA1	Y	.004	2.5
10	MP GAMMA1	X	-.008	7.25
11	MP GAMMA1	X	-.008	2.5
12	MP ALPHA2	Y	.005	7.25
13	MP ALPHA2	Y	.005	2.5
14	MP ALPHA2	X	-.008	7.25
15	MP ALPHA2	X	-.008	2.5
16	MP BETA2	Y	.009	7.25
17	MP BETA2	Y	.009	2.5
18	MP BETA2	X	-.015	7.25
19	MP BETA2	X	-.015	2.5
20	MP GAMMA2	Y	.005	7.25
21	MP GAMMA2	Y	.005	2.5
22	MP GAMMA2	X	-.008	7.25
23	MP GAMMA2	X	-.008	2.5
24	MP ALPHA3	Y	.001	5.25
25	MP ALPHA3	Y	.001	2
26	MP ALPHA3	X	-.002	5.25
27	MP ALPHA3	X	-.002	2
28	MP BETA3	Y	.002	5.25
29	MP BETA3	Y	.002	2
30	MP BETA3	X	-.004	5.25
31	MP BETA3	X	-.004	2
32	MP GAMMA3	Y	.001	5.25
33	MP GAMMA3	Y	.001	2
34	MP GAMMA3	X	-.002	5.25
35	MP GAMMA3	X	-.002	2
36	MP ALPHA1	Y	.002	5.5
37	MP ALPHA1	X	-.003	5.5
38	MP BETA1	Y	.002	5.5
39	MP BETA1	X	-.004	5.5
40	MP GAMMA1	Y	.002	5.5
41	MP GAMMA1	X	-.003	5.5
42	MP ALPHA1	Y	.002	5.5
43	MP ALPHA1	X	-.004	5.5
44	MP BETA1	Y	.002	5.5
45	MP BETA1	X	-.004	5.5
46	MP GAMMA1	Y	.002	5.5
47	MP GAMMA1	X	-.004	5.5
48	MP ALPHA3	Y	.002	4.5
49	MP ALPHA3	X	-.003	4.5
50	MP BETA3	Y	.000162	4.5
51	MP BETA3	X	-.00028	4.5
52	MP GAMMA3	Y	.002	4.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
53	MP GAMMA3	X	-.003	4.5
54	MP ALPHA1	Y	.002	5.5
55	MP ALPHA1	X	-.003	5.5
56	MP ALPHA4	Y	.002	2
57	MP ALPHA4	X	-.003	2
58	MP ALPHA1	Y	.012	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.012	2.5
2	MP ALPHA1	X	-.007	7.25
3	MP ALPHA1	X	-.007	2.5
4	MP BETA1	Y	.012	7.25
5	MP BETA1	Y	.012	2.5
6	MP BETA1	X	-.007	7.25
7	MP BETA1	X	-.007	2.5
8	MP GAMMA1	Y	.005	7.25
9	MP GAMMA1	Y	.005	2.5
10	MP GAMMA1	X	-.003	7.25
11	MP GAMMA1	X	-.003	2.5
12	MP ALPHA2	Y	.012	7.25
13	MP ALPHA2	Y	.012	2.5
14	MP ALPHA2	X	-.007	7.25
15	MP ALPHA2	X	-.007	2.5
16	MP BETA2	Y	.012	7.25
17	MP BETA2	Y	.012	2.5
18	MP BETA2	X	-.007	7.25
19	MP BETA2	X	-.007	2.5
20	MP GAMMA2	Y	.005	7.25
21	MP GAMMA2	Y	.005	2.5
22	MP GAMMA2	X	-.003	7.25
23	MP GAMMA2	X	-.003	2.5
24	MP ALPHA3	Y	.004	5.25
25	MP ALPHA3	Y	.004	2
26	MP ALPHA3	X	-.002	5.25
27	MP ALPHA3	X	-.002	2
28	MP BETA3	Y	.004	5.25
29	MP BETA3	Y	.004	2
30	MP BETA3	X	-.002	5.25
31	MP BETA3	X	-.002	2
32	MP GAMMA3	Y	.002	5.25
33	MP GAMMA3	Y	.002	2
34	MP GAMMA3	X	-.001	5.25
35	MP GAMMA3	X	-.001	2
36	MP ALPHA1	Y	.004	5.5
37	MP ALPHA1	X	-.002	5.5
38	MP BETA1	Y	.004	5.5
39	MP BETA1	X	-.002	5.5
40	MP GAMMA1	Y	.003	5.5
41	MP GAMMA1	X	-.002	5.5
42	MP ALPHA1	Y	.004	5.5
43	MP ALPHA1	X	-.002	5.5
44	MP BETA1	Y	.004	5.5
45	MP BETA1	X	-.002	5.5
46	MP GAMMA1	Y	.004	5.5
47	MP GAMMA1	X	-.002	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
48	MP ALPHA3	Y	.001	4.5
49	MP ALPHA3	X	-.00062	4.5
50	MP BETA3	Y	.001	4.5
51	MP BETA3	X	-.00062	4.5
52	MP GAMMA3	Y	.003	4.5
53	MP GAMMA3	X	-.002	4.5
54	MP ALPHA1	Y	.003	5.5
55	MP ALPHA1	X	-.001	5.5
56	MP ALPHA4	Y	.003	2
57	MP ALPHA4	X	-.002	2
58	MP ALPHA1	Y	.017	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.017	2.5
2	MP BETA1	Y	.009	7.25
3	MP BETA1	Y	.009	2.5
4	MP GAMMA1	Y	.009	7.25
5	MP GAMMA1	Y	.009	2.5
6	MP ALPHA2	Y	.017	7.25
7	MP ALPHA2	Y	.017	2.5
8	MP BETA2	Y	.009	7.25
9	MP BETA2	Y	.009	2.5
10	MP GAMMA2	Y	.009	7.25
11	MP GAMMA2	Y	.009	2.5
12	MP ALPHA3	Y	.005	5.25
13	MP ALPHA3	Y	.005	2
14	MP BETA3	Y	.003	5.25
15	MP BETA3	Y	.003	2
16	MP GAMMA3	Y	.003	5.25
17	MP GAMMA3	Y	.003	2
18	MP ALPHA1	Y	.005	5.5
19	MP BETA1	Y	.004	5.5
20	MP GAMMA1	Y	.004	5.5
21	MP ALPHA1	Y	.005	5.5
22	MP BETA1	Y	.004	5.5
23	MP GAMMA1	Y	.004	5.5
24	MP ALPHA3	Y	.000323	4.5
25	MP BETA3	Y	.003	4.5
26	MP GAMMA3	Y	.003	4.5
27	MP ALPHA1	Y	.003	5.5
28	MP ALPHA4	Y	.003	2
29	MP ALPHA1	Y	.012	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.012	2.5
2	MP ALPHA1	X	.007	7.25
3	MP ALPHA1	X	.007	2.5
4	MP BETA1	Y	.005	7.25
5	MP BETA1	Y	.005	2.5
6	MP BETA1	X	.003	7.25
7	MP BETA1	X	.003	2.5
8	MP GAMMA1	Y	.012	7.25
9	MP GAMMA1	Y	.012	2.5
10	MP GAMMA1	X	.007	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
11	MP GAMMA1	X	.007	2.5
12	MP ALPHA2	Y	.012	7.25
13	MP ALPHA2	Y	.012	2.5
14	MP ALPHA2	X	.007	7.25
15	MP ALPHA2	X	.007	2.5
16	MP BETA2	Y	.005	7.25
17	MP BETA2	Y	.005	2.5
18	MP BETA2	X	.003	7.25
19	MP BETA2	X	.003	2.5
20	MP GAMMA2	Y	.012	7.25
21	MP GAMMA2	Y	.012	2.5
22	MP GAMMA2	X	.007	7.25
23	MP GAMMA2	X	.007	2.5
24	MP ALPHA3	Y	.004	5.25
25	MP ALPHA3	Y	.004	2
26	MP ALPHA3	X	.002	5.25
27	MP ALPHA3	X	.002	2
28	MP BETA3	Y	.002	5.25
29	MP BETA3	Y	.002	2
30	MP BETA3	X	.001	5.25
31	MP BETA3	X	.001	2
32	MP GAMMA3	Y	.004	5.25
33	MP GAMMA3	Y	.004	2
34	MP GAMMA3	X	.002	5.25
35	MP GAMMA3	X	.002	2
36	MP ALPHA1	Y	.004	5.5
37	MP ALPHA1	X	.002	5.5
38	MP BETA1	Y	.003	5.5
39	MP BETA1	X	.002	5.5
40	MP GAMMA1	Y	.004	5.5
41	MP GAMMA1	X	.002	5.5
42	MP ALPHA1	Y	.004	5.5
43	MP ALPHA1	X	.002	5.5
44	MP BETA1	Y	.004	5.5
45	MP BETA1	X	.002	5.5
46	MP GAMMA1	Y	.004	5.5
47	MP GAMMA1	X	.002	5.5
48	MP ALPHA3	Y	.001	4.5
49	MP ALPHA3	X	.00062	4.5
50	MP BETA3	Y	.003	4.5
51	MP BETA3	X	.002	4.5
52	MP GAMMA3	Y	.001	4.5
53	MP GAMMA3	X	.00062	4.5
54	MP ALPHA1	Y	.003	5.5
55	MP ALPHA1	X	.001	5.5
56	MP ALPHA4	Y	.003	2
57	MP ALPHA4	X	.002	2
58	MP ALPHA1	Y	.004	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.004	2.5
2	MP ALPHA1	X	.008	7.25
3	MP ALPHA1	X	.008	2.5
4	MP BETA1	Y	.004	7.25
5	MP BETA1	Y	.004	2.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
6	MP BETA1	X	.008	7.25
7	MP BETA1	X	.008	2.5
8	MP GAMMA1	Y	.008	7.25
9	MP GAMMA1	Y	.008	2.5
10	MP GAMMA1	X	.014	7.25
11	MP GAMMA1	X	.014	2.5
12	MP ALPHA2	Y	.005	7.25
13	MP ALPHA2	Y	.005	2.5
14	MP ALPHA2	X	.008	7.25
15	MP ALPHA2	X	.008	2.5
16	MP BETA2	Y	.005	7.25
17	MP BETA2	Y	.005	2.5
18	MP BETA2	X	.008	7.25
19	MP BETA2	X	.008	2.5
20	MP GAMMA2	Y	.009	7.25
21	MP GAMMA2	Y	.009	2.5
22	MP GAMMA2	X	.015	7.25
23	MP GAMMA2	X	.015	2.5
24	MP ALPHA3	Y	.001	5.25
25	MP ALPHA3	Y	.001	2
26	MP ALPHA3	X	.002	5.25
27	MP ALPHA3	X	.002	2
28	MP BETA3	Y	.001	5.25
29	MP BETA3	Y	.001	2
30	MP BETA3	X	.002	5.25
31	MP BETA3	X	.002	2
32	MP GAMMA3	Y	.002	5.25
33	MP GAMMA3	Y	.002	2
34	MP GAMMA3	X	.004	5.25
35	MP GAMMA3	X	.004	2
36	MP ALPHA1	Y	.002	5.5
37	MP ALPHA1	X	.003	5.5
38	MP BETA1	Y	.002	5.5
39	MP BETA1	X	.003	5.5
40	MP GAMMA1	Y	.002	5.5
41	MP GAMMA1	X	.004	5.5
42	MP ALPHA1	Y	.002	5.5
43	MP ALPHA1	X	.004	5.5
44	MP BETA1	Y	.002	5.5
45	MP BETA1	X	.004	5.5
46	MP GAMMA1	Y	.002	5.5
47	MP GAMMA1	X	.004	5.5
48	MP ALPHA3	Y	.002	4.5
49	MP ALPHA3	X	.003	4.5
50	MP BETA3	Y	.002	4.5
51	MP BETA3	X	.003	4.5
52	MP GAMMA3	Y	.000162	4.5
53	MP GAMMA3	X	.00028	4.5
54	MP ALPHA1	Y	.002	5.5
55	MP ALPHA1	X	.003	5.5
56	MP ALPHA4	Y	.002	2
57	MP ALPHA4	X	.003	2
58	MP ALPHA1	X	.006	7.25

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

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

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	.006	2.5
2	MP BETA1	X	.014	7.25
3	MP BETA1	X	.014	2.5
4	MP GAMMA1	X	.014	7.25
5	MP GAMMA1	X	.014	2.5
6	MP ALPHA2	X	.006	7.25
7	MP ALPHA2	X	.006	2.5
8	MP BETA2	X	.014	7.25
9	MP BETA2	X	.014	2.5
10	MP GAMMA2	X	.014	7.25
11	MP GAMMA2	X	.014	2.5
12	MP ALPHA3	X	.002	5.25
13	MP ALPHA3	X	.002	2
14	MP BETA3	X	.004	5.25
15	MP BETA3	X	.004	2
16	MP GAMMA3	X	.004	5.25
17	MP GAMMA3	X	.004	2
18	MP ALPHA1	X	.004	5.5
19	MP BETA1	X	.005	5.5
20	MP GAMMA1	X	.005	5.5
21	MP ALPHA1	X	.004	5.5
22	MP BETA1	X	.005	5.5
23	MP GAMMA1	X	.005	5.5
24	MP ALPHA3	X	.004	4.5
25	MP BETA3	X	.001	4.5
26	MP GAMMA3	X	.001	4.5
27	MP ALPHA1	X	.003	5.5
28	MP ALPHA4	X	.003	2
29	MP ALPHA1	Y	-.004	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.004	2.5
2	MP ALPHA1	X	.008	7.25
3	MP ALPHA1	X	.008	2.5
4	MP BETA1	Y	-.008	7.25
5	MP BETA1	Y	-.008	2.5
6	MP BETA1	X	.014	7.25
7	MP BETA1	X	.014	2.5
8	MP GAMMA1	Y	-.004	7.25
9	MP GAMMA1	Y	-.004	2.5
10	MP GAMMA1	X	.008	7.25
11	MP GAMMA1	X	.008	2.5
12	MP ALPHA2	Y	-.005	7.25
13	MP ALPHA2	Y	-.005	2.5
14	MP ALPHA2	X	.008	7.25
15	MP ALPHA2	X	.008	2.5
16	MP BETA2	Y	-.009	7.25
17	MP BETA2	Y	-.009	2.5
18	MP BETA2	X	.015	7.25
19	MP BETA2	X	.015	2.5
20	MP GAMMA2	Y	-.005	7.25
21	MP GAMMA2	Y	-.005	2.5
22	MP GAMMA2	X	.008	7.25
23	MP GAMMA2	X	.008	2.5
24	MP ALPHA3	Y	-.001	5.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
25	MP ALPHA3	Y	-.001	2
26	MP ALPHA3	X	.002	5.25
27	MP ALPHA3	X	.002	2
28	MP BETA3	Y	-.002	5.25
29	MP BETA3	Y	-.002	2
30	MP BETA3	X	.004	5.25
31	MP BETA3	X	.004	2
32	MP GAMMA3	Y	-.001	5.25
33	MP GAMMA3	Y	-.001	2
34	MP GAMMA3	X	.002	5.25
35	MP GAMMA3	X	.002	2
36	MP ALPHA1	Y	-.002	5.5
37	MP ALPHA1	X	.003	5.5
38	MP BETA1	Y	-.002	5.5
39	MP BETA1	X	.004	5.5
40	MP GAMMA1	Y	-.002	5.5
41	MP GAMMA1	X	.003	5.5
42	MP ALPHA1	Y	-.002	5.5
43	MP ALPHA1	X	.004	5.5
44	MP BETA1	Y	-.002	5.5
45	MP BETA1	X	.004	5.5
46	MP GAMMA1	Y	-.002	5.5
47	MP GAMMA1	X	.004	5.5
48	MP ALPHA3	Y	-.002	4.5
49	MP ALPHA3	X	.003	4.5
50	MP BETA3	Y	-.000162	4.5
51	MP BETA3	X	.00028	4.5
52	MP GAMMA3	Y	-.002	4.5
53	MP GAMMA3	X	.003	4.5
54	MP ALPHA1	Y	-.002	5.5
55	MP ALPHA1	X	.003	5.5
56	MP ALPHA4	Y	-.002	2
57	MP ALPHA4	X	.003	2
58	MP ALPHA1	Y	-.012	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.012	2.5
2	MP ALPHA1	X	.007	7.25
3	MP ALPHA1	X	.007	2.5
4	MP BETA1	Y	-.012	7.25
5	MP BETA1	Y	-.012	2.5
6	MP BETA1	X	.007	7.25
7	MP BETA1	X	.007	2.5
8	MP GAMMA1	Y	-.005	7.25
9	MP GAMMA1	Y	-.005	2.5
10	MP GAMMA1	X	.003	7.25
11	MP GAMMA1	X	.003	2.5
12	MP ALPHA2	Y	-.012	7.25
13	MP ALPHA2	Y	-.012	2.5
14	MP ALPHA2	X	.007	7.25
15	MP ALPHA2	X	.007	2.5
16	MP BETA2	Y	-.012	7.25
17	MP BETA2	Y	-.012	2.5
18	MP BETA2	X	.007	7.25
19	MP BETA2	X	.007	2.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
20	MP GAMMA2	Y	-.005	7.25
21	MP GAMMA2	Y	-.005	2.5
22	MP GAMMA2	X	.003	7.25
23	MP GAMMA2	X	.003	2.5
24	MP ALPHA3	Y	-.004	5.25
25	MP ALPHA3	Y	-.004	2
26	MP ALPHA3	X	.002	5.25
27	MP ALPHA3	X	.002	2
28	MP BETA3	Y	-.004	5.25
29	MP BETA3	Y	-.004	2
30	MP BETA3	X	.002	5.25
31	MP BETA3	X	.002	2
32	MP GAMMA3	Y	-.002	5.25
33	MP GAMMA3	Y	-.002	2
34	MP GAMMA3	X	.001	5.25
35	MP GAMMA3	X	.001	2
36	MP ALPHA1	Y	-.004	5.5
37	MP ALPHA1	X	.002	5.5
38	MP BETA1	Y	-.004	5.5
39	MP BETA1	X	.002	5.5
40	MP GAMMA1	Y	-.003	5.5
41	MP GAMMA1	X	.002	5.5
42	MP ALPHA1	Y	-.004	5.5
43	MP ALPHA1	X	.002	5.5
44	MP BETA1	Y	-.004	5.5
45	MP BETA1	X	.002	5.5
46	MP GAMMA1	Y	-.004	5.5
47	MP GAMMA1	X	.002	5.5
48	MP ALPHA3	Y	-.001	4.5
49	MP ALPHA3	X	.00062	4.5
50	MP BETA3	Y	-.001	4.5
51	MP BETA3	X	.00062	4.5
52	MP GAMMA3	Y	-.003	4.5
53	MP GAMMA3	X	.002	4.5
54	MP ALPHA1	Y	-.003	5.5
55	MP ALPHA1	X	.001	5.5
56	MP ALPHA4	Y	-.003	2
57	MP ALPHA4	X	.002	2
58	MP ALPHA1	Z	-.088	7.25

Member Point Loads (BLC 27 : Ice Dead Load)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.088	2.5
2	MP BETA1	Z	-.088	7.25
3	MP BETA1	Z	-.088	2.5
4	MP GAMMA1	Z	-.088	7.25
5	MP GAMMA1	Z	-.088	2.5
6	MP ALPHA2	Z	-.09	7.25
7	MP ALPHA2	Z	-.09	2.5
8	MP BETA2	Z	-.09	7.25
9	MP BETA2	Z	-.09	2.5
10	MP GAMMA2	Z	-.09	7.25
11	MP GAMMA2	Z	-.09	2.5
12	MP ALPHA3	Z	-.04	5.25
13	MP ALPHA3	Z	-.04	2
14	MP BETA3	Z	-.04	5.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
15	MP BETA3	Z	-.04	2
16	MP GAMMA3	Z	-.04	5.25
17	MP GAMMA3	Z	-.04	2
18	MP ALPHA1	Z	-.046	5.5
19	MP BETA1	Z	-.046	5.5
20	MP GAMMA1	Z	-.046	5.5
21	MP ALPHA1	Z	-.051	5.5
22	MP BETA1	Z	-.051	5.5
23	MP GAMMA1	Z	-.051	5.5
24	MP ALPHA3	Z	-.04	4.5
25	MP BETA3	Z	-.04	4.5
26	MP GAMMA3	Z	-.04	4.5
27	MP ALPHA1	Z	-.064	5.5
28	MP ALPHA4	Z	-.068	2
29	MP ALPHA1	Y	-.048	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.048	2.5
2	MP BETA1	Y	-.028	7.25
3	MP BETA1	Y	-.028	2.5
4	MP GAMMA1	Y	-.028	7.25
5	MP GAMMA1	Y	-.028	2.5
6	MP ALPHA2	Y	-.049	7.25
7	MP ALPHA2	Y	-.049	2.5
8	MP BETA2	Y	-.028	7.25
9	MP BETA2	Y	-.028	2.5
10	MP GAMMA2	Y	-.028	7.25
11	MP GAMMA2	Y	-.028	2.5
12	MP ALPHA3	Y	-.015	5.25
13	MP ALPHA3	Y	-.015	2
14	MP BETA3	Y	-.01	5.25
15	MP BETA3	Y	-.01	2
16	MP GAMMA3	Y	-.01	5.25
17	MP GAMMA3	Y	-.01	2
18	MP ALPHA1	Y	-.011	5.5
19	MP BETA1	Y	-.009	5.5
20	MP GAMMA1	Y	-.009	5.5
21	MP ALPHA1	Y	-.011	5.5
22	MP BETA1	Y	-.01	5.5
23	MP GAMMA1	Y	-.01	5.5
24	MP ALPHA3	Y	-.01	4.5
25	MP BETA3	Y	-.009	4.5
26	MP GAMMA3	Y	-.009	4.5
27	MP ALPHA1	Y	-.014	5.5
28	MP ALPHA4	Y	-.015	2
29	MP ALPHA1	Y	-.036	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.036	2.5
2	MP ALPHA1	X	-.021	7.25
3	MP ALPHA1	X	-.021	2.5
4	MP BETA1	Y	-.018	7.25
5	MP BETA1	Y	-.018	2.5
6	MP BETA1	X	-.01	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
7	MP BETA1	X	-.01	2.5
8	MP GAMMA1	Y	-.036	7.25
9	MP GAMMA1	Y	-.036	2.5
10	MP GAMMA1	X	-.021	7.25
11	MP GAMMA1	X	-.021	2.5
12	MP ALPHA2	Y	-.036	7.25
13	MP ALPHA2	Y	-.036	2.5
14	MP ALPHA2	X	-.021	7.25
15	MP ALPHA2	X	-.021	2.5
16	MP BETA2	Y	-.018	7.25
17	MP BETA2	Y	-.018	2.5
18	MP BETA2	X	-.011	7.25
19	MP BETA2	X	-.011	2.5
20	MP GAMMA2	Y	-.036	7.25
21	MP GAMMA2	Y	-.036	2.5
22	MP GAMMA2	X	-.021	7.25
23	MP GAMMA2	X	-.021	2.5
24	MP ALPHA3	Y	-.012	5.25
25	MP ALPHA3	Y	-.012	2
26	MP ALPHA3	X	-.007	5.25
27	MP ALPHA3	X	-.007	2
28	MP BETA3	Y	-.007	5.25
29	MP BETA3	Y	-.007	2
30	MP BETA3	X	-.004	5.25
31	MP BETA3	X	-.004	2
32	MP GAMMA3	Y	-.012	5.25
33	MP GAMMA3	Y	-.012	2
34	MP GAMMA3	X	-.007	5.25
35	MP GAMMA3	X	-.007	2
36	MP ALPHA1	Y	-.009	5.5
37	MP ALPHA1	X	-.005	5.5
38	MP BETA1	Y	-.007	5.5
39	MP BETA1	X	-.004	5.5
40	MP GAMMA1	Y	-.009	5.5
41	MP GAMMA1	X	-.005	5.5
42	MP ALPHA1	Y	-.009	5.5
43	MP ALPHA1	X	-.005	5.5
44	MP BETA1	Y	-.008	5.5
45	MP BETA1	X	-.005	5.5
46	MP GAMMA1	Y	-.009	5.5
47	MP GAMMA1	X	-.005	5.5
48	MP ALPHA3	Y	-.008	4.5
49	MP ALPHA3	X	-.005	4.5
50	MP BETA3	Y	-.007	4.5
51	MP BETA3	X	-.004	4.5
52	MP GAMMA3	Y	-.008	4.5
53	MP GAMMA3	X	-.005	4.5
54	MP ALPHA1	Y	-.012	5.5
55	MP ALPHA1	X	-.007	5.5
56	MP ALPHA4	Y	-.013	2
57	MP ALPHA4	X	-.008	2
58	MP ALPHA1	Y	-.014	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.014	2.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
2	MP ALPHA1	X	-.024	7.25
3	MP ALPHA1	X	-.024	2.5
4	MP BETA1	Y	-.014	7.25
5	MP BETA1	Y	-.014	2.5
6	MP BETA1	X	-.024	7.25
7	MP BETA1	X	-.024	2.5
8	MP GAMMA1	Y	-.024	7.25
9	MP GAMMA1	Y	-.024	2.5
10	MP GAMMA1	X	-.041	7.25
11	MP GAMMA1	X	-.041	2.5
12	MP ALPHA2	Y	-.014	7.25
13	MP ALPHA2	Y	-.014	2.5
14	MP ALPHA2	X	-.024	7.25
15	MP ALPHA2	X	-.024	2.5
16	MP BETA2	Y	-.014	7.25
17	MP BETA2	Y	-.014	2.5
18	MP BETA2	X	-.024	7.25
19	MP BETA2	X	-.024	2.5
20	MP GAMMA2	Y	-.024	7.25
21	MP GAMMA2	Y	-.024	2.5
22	MP GAMMA2	X	-.042	7.25
23	MP GAMMA2	X	-.042	2.5
24	MP ALPHA3	Y	-.005	5.25
25	MP ALPHA3	Y	-.005	2
26	MP ALPHA3	X	-.009	5.25
27	MP ALPHA3	X	-.009	2
28	MP BETA3	Y	-.005	5.25
29	MP BETA3	Y	-.005	2
30	MP BETA3	X	-.009	5.25
31	MP BETA3	X	-.009	2
32	MP GAMMA3	Y	-.008	5.25
33	MP GAMMA3	Y	-.008	2
34	MP GAMMA3	X	-.013	5.25
35	MP GAMMA3	X	-.013	2
36	MP ALPHA1	Y	-.004	5.5
37	MP ALPHA1	X	-.008	5.5
38	MP BETA1	Y	-.004	5.5
39	MP BETA1	X	-.008	5.5
40	MP GAMMA1	Y	-.005	5.5
41	MP GAMMA1	X	-.009	5.5
42	MP ALPHA1	Y	-.005	5.5
43	MP ALPHA1	X	-.008	5.5
44	MP BETA1	Y	-.005	5.5
45	MP BETA1	X	-.008	5.5
46	MP GAMMA1	Y	-.005	5.5
47	MP GAMMA1	X	-.009	5.5
48	MP ALPHA3	Y	-.004	4.5
49	MP ALPHA3	X	-.008	4.5
50	MP BETA3	Y	-.004	4.5
51	MP BETA3	X	-.008	4.5
52	MP GAMMA3	Y	-.005	4.5
53	MP GAMMA3	X	-.009	4.5
54	MP ALPHA1	Y	-.007	5.5
55	MP ALPHA1	X	-.012	5.5
56	MP ALPHA4	Y	-.008	2
57	MP ALPHA4	X	-.013	2
58	MP ALPHA1	X	-.021	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	-.021	2.5
2	MP BETA1	X	-.041	7.25
3	MP BETA1	X	-.041	2.5
4	MP GAMMA1	X	-.041	7.25
5	MP GAMMA1	X	-.041	2.5
6	MP ALPHA2	X	-.021	7.25
7	MP ALPHA2	X	-.021	2.5
8	MP BETA2	X	-.042	7.25
9	MP BETA2	X	-.042	2.5
10	MP GAMMA2	X	-.042	7.25
11	MP GAMMA2	X	-.042	2.5
12	MP ALPHA3	X	-.008	5.25
13	MP ALPHA3	X	-.008	2
14	MP BETA3	X	-.013	5.25
15	MP BETA3	X	-.013	2
16	MP GAMMA3	X	-.013	5.25
17	MP GAMMA3	X	-.013	2
18	MP ALPHA1	X	-.008	5.5
19	MP BETA1	X	-.01	5.5
20	MP GAMMA1	X	-.01	5.5
21	MP ALPHA1	X	-.009	5.5
22	MP BETA1	X	-.01	5.5
23	MP GAMMA1	X	-.01	5.5
24	MP ALPHA3	X	-.009	4.5
25	MP BETA3	X	-.01	4.5
26	MP GAMMA3	X	-.01	4.5
27	MP ALPHA1	X	-.014	5.5
28	MP ALPHA4	X	-.015	2
29	MP ALPHA1	Y	.014	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.014	2.5
2	MP ALPHA1	X	-.024	7.25
3	MP ALPHA1	X	-.024	2.5
4	MP BETA1	Y	.024	7.25
5	MP BETA1	Y	.024	2.5
6	MP BETA1	X	-.041	7.25
7	MP BETA1	X	-.041	2.5
8	MP GAMMA1	Y	.014	7.25
9	MP GAMMA1	Y	.014	2.5
10	MP GAMMA1	X	-.024	7.25
11	MP GAMMA1	X	-.024	2.5
12	MP ALPHA2	Y	.014	7.25
13	MP ALPHA2	Y	.014	2.5
14	MP ALPHA2	X	-.024	7.25
15	MP ALPHA2	X	-.024	2.5
16	MP BETA2	Y	.024	7.25
17	MP BETA2	Y	.024	2.5
18	MP BETA2	X	-.042	7.25
19	MP BETA2	X	-.042	2.5
20	MP GAMMA2	Y	.014	7.25
21	MP GAMMA2	Y	.014	2.5
22	MP GAMMA2	X	-.024	7.25
23	MP GAMMA2	X	-.024	2.5
24	MP ALPHA3	Y	.005	5.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
25	MP ALPHA3	Y	.005	2
26	MP ALPHA3	X	-.009	5.25
27	MP ALPHA3	X	-.009	2
28	MP BETA3	Y	.008	5.25
29	MP BETA3	Y	.008	2
30	MP BETA3	X	-.013	5.25
31	MP BETA3	X	-.013	2
32	MP GAMMA3	Y	.005	5.25
33	MP GAMMA3	Y	.005	2
34	MP GAMMA3	X	-.009	5.25
35	MP GAMMA3	X	-.009	2
36	MP ALPHA1	Y	.004	5.5
37	MP ALPHA1	X	-.008	5.5
38	MP BETA1	Y	.005	5.5
39	MP BETA1	X	-.009	5.5
40	MP GAMMA1	Y	.004	5.5
41	MP GAMMA1	X	-.008	5.5
42	MP ALPHA1	Y	.005	5.5
43	MP ALPHA1	X	-.008	5.5
44	MP BETA1	Y	.005	5.5
45	MP BETA1	X	-.009	5.5
46	MP GAMMA1	Y	.005	5.5
47	MP GAMMA1	X	-.008	5.5
48	MP ALPHA3	Y	.004	4.5
49	MP ALPHA3	X	-.008	4.5
50	MP BETA3	Y	.005	4.5
51	MP BETA3	X	-.009	4.5
52	MP GAMMA3	Y	.004	4.5
53	MP GAMMA3	X	-.008	4.5
54	MP ALPHA1	Y	.007	5.5
55	MP ALPHA1	X	-.012	5.5
56	MP ALPHA4	Y	.008	2
57	MP ALPHA4	X	-.013	2
58	MP ALPHA1	Y	.036	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.036	2.5
2	MP ALPHA1	X	-.021	7.25
3	MP ALPHA1	X	-.021	2.5
4	MP BETA1	Y	.036	7.25
5	MP BETA1	Y	.036	2.5
6	MP BETA1	X	-.021	7.25
7	MP BETA1	X	-.021	2.5
8	MP GAMMA1	Y	.018	7.25
9	MP GAMMA1	Y	.018	2.5
10	MP GAMMA1	X	-.01	7.25
11	MP GAMMA1	X	-.01	2.5
12	MP ALPHA2	Y	.036	7.25
13	MP ALPHA2	Y	.036	2.5
14	MP ALPHA2	X	-.021	7.25
15	MP ALPHA2	X	-.021	2.5
16	MP BETA2	Y	.036	7.25
17	MP BETA2	Y	.036	2.5
18	MP BETA2	X	-.021	7.25
19	MP BETA2	X	-.021	2.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
20	MP GAMMA2	Y	.018	7.25
21	MP GAMMA2	Y	.018	2.5
22	MP GAMMA2	X	-.011	7.25
23	MP GAMMA2	X	-.011	2.5
24	MP ALPHA3	Y	.012	5.25
25	MP ALPHA3	Y	.012	2
26	MP ALPHA3	X	-.007	5.25
27	MP ALPHA3	X	-.007	2
28	MP BETA3	Y	.012	5.25
29	MP BETA3	Y	.012	2
30	MP BETA3	X	-.007	5.25
31	MP BETA3	X	-.007	2
32	MP GAMMA3	Y	.007	5.25
33	MP GAMMA3	Y	.007	2
34	MP GAMMA3	X	-.004	5.25
35	MP GAMMA3	X	-.004	2
36	MP ALPHA1	Y	.009	5.5
37	MP ALPHA1	X	-.005	5.5
38	MP BETA1	Y	.009	5.5
39	MP BETA1	X	-.005	5.5
40	MP GAMMA1	Y	.007	5.5
41	MP GAMMA1	X	-.004	5.5
42	MP ALPHA1	Y	.009	5.5
43	MP ALPHA1	X	-.005	5.5
44	MP BETA1	Y	.009	5.5
45	MP BETA1	X	-.005	5.5
46	MP GAMMA1	Y	.008	5.5
47	MP GAMMA1	X	-.005	5.5
48	MP ALPHA3	Y	.008	4.5
49	MP ALPHA3	X	-.005	4.5
50	MP BETA3	Y	.008	4.5
51	MP BETA3	X	-.005	4.5
52	MP GAMMA3	Y	.007	4.5
53	MP GAMMA3	X	-.004	4.5
54	MP ALPHA1	Y	.012	5.5
55	MP ALPHA1	X	-.007	5.5
56	MP ALPHA4	Y	.013	2
57	MP ALPHA4	X	-.008	2
58	MP ALPHA1	Y	.048	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.048	2.5
2	MP BETA1	Y	.028	7.25
3	MP BETA1	Y	.028	2.5
4	MP GAMMA1	Y	.028	7.25
5	MP GAMMA1	Y	.028	2.5
6	MP ALPHA2	Y	.049	7.25
7	MP ALPHA2	Y	.049	2.5
8	MP BETA2	Y	.028	7.25
9	MP BETA2	Y	.028	2.5
10	MP GAMMA2	Y	.028	7.25
11	MP GAMMA2	Y	.028	2.5
12	MP ALPHA3	Y	.015	5.25
13	MP ALPHA3	Y	.015	2
14	MP BETA3	Y	.01	5.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
15	MP BETA3	Y	.01	2
16	MP GAMMA3	Y	.01	5.25
17	MP GAMMA3	Y	.01	2
18	MP ALPHA1	Y	.011	5.5
19	MP BETA1	Y	.009	5.5
20	MP GAMMA1	Y	.009	5.5
21	MP ALPHA1	Y	.011	5.5
22	MP BETA1	Y	.01	5.5
23	MP GAMMA1	Y	.01	5.5
24	MP ALPHA3	Y	.01	4.5
25	MP BETA3	Y	.009	4.5
26	MP GAMMA3	Y	.009	4.5
27	MP ALPHA1	Y	.014	5.5
28	MP ALPHA4	Y	.015	2
29	MP ALPHA1	Y	.036	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.036	2.5
2	MP ALPHA1	X	.021	7.25
3	MP ALPHA1	X	.021	2.5
4	MP BETA1	Y	.018	7.25
5	MP BETA1	Y	.018	2.5
6	MP BETA1	X	.01	7.25
7	MP BETA1	X	.01	2.5
8	MP GAMMA1	Y	.036	7.25
9	MP GAMMA1	Y	.036	2.5
10	MP GAMMA1	X	.021	7.25
11	MP GAMMA1	X	.021	2.5
12	MP ALPHA2	Y	.036	7.25
13	MP ALPHA2	Y	.036	2.5
14	MP ALPHA2	X	.021	7.25
15	MP ALPHA2	X	.021	2.5
16	MP BETA2	Y	.018	7.25
17	MP BETA2	Y	.018	2.5
18	MP BETA2	X	.011	7.25
19	MP BETA2	X	.011	2.5
20	MP GAMMA2	Y	.036	7.25
21	MP GAMMA2	Y	.036	2.5
22	MP GAMMA2	X	.021	7.25
23	MP GAMMA2	X	.021	2.5
24	MP ALPHA3	Y	.012	5.25
25	MP ALPHA3	Y	.012	2
26	MP ALPHA3	X	.007	5.25
27	MP ALPHA3	X	.007	2
28	MP BETA3	Y	.007	5.25
29	MP BETA3	Y	.007	2
30	MP BETA3	X	.004	5.25
31	MP BETA3	X	.004	2
32	MP GAMMA3	Y	.012	5.25
33	MP GAMMA3	Y	.012	2
34	MP GAMMA3	X	.007	5.25
35	MP GAMMA3	X	.007	2
36	MP ALPHA1	Y	.009	5.5
37	MP ALPHA1	X	.005	5.5
38	MP BETA1	Y	.007	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
39	MP BETA1	X	.004	5.5
40	MP GAMMA1	Y	.009	5.5
41	MP GAMMA1	X	.005	5.5
42	MP ALPHA1	Y	.009	5.5
43	MP ALPHA1	X	.005	5.5
44	MP BETA1	Y	.008	5.5
45	MP BETA1	X	.005	5.5
46	MP GAMMA1	Y	.009	5.5
47	MP GAMMA1	X	.005	5.5
48	MP ALPHA3	Y	.008	4.5
49	MP ALPHA3	X	.005	4.5
50	MP BETA3	Y	.007	4.5
51	MP BETA3	X	.004	4.5
52	MP GAMMA3	Y	.008	4.5
53	MP GAMMA3	X	.005	4.5
54	MP ALPHA1	Y	.012	5.5
55	MP ALPHA1	X	.007	5.5
56	MP ALPHA4	Y	.013	2
57	MP ALPHA4	X	.008	2
58	MP ALPHA1	Y	.014	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.014	2.5
2	MP ALPHA1	X	.024	7.25
3	MP ALPHA1	X	.024	2.5
4	MP BETA1	Y	.014	7.25
5	MP BETA1	Y	.014	2.5
6	MP BETA1	X	.024	7.25
7	MP BETA1	X	.024	2.5
8	MP GAMMA1	Y	.024	7.25
9	MP GAMMA1	Y	.024	2.5
10	MP GAMMA1	X	.041	7.25
11	MP GAMMA1	X	.041	2.5
12	MP ALPHA2	Y	.014	7.25
13	MP ALPHA2	Y	.014	2.5
14	MP ALPHA2	X	.024	7.25
15	MP ALPHA2	X	.024	2.5
16	MP BETA2	Y	.014	7.25
17	MP BETA2	Y	.014	2.5
18	MP BETA2	X	.024	7.25
19	MP BETA2	X	.024	2.5
20	MP GAMMA2	Y	.024	7.25
21	MP GAMMA2	Y	.024	2.5
22	MP GAMMA2	X	.042	7.25
23	MP GAMMA2	X	.042	2.5
24	MP ALPHA3	Y	.005	5.25
25	MP ALPHA3	Y	.005	2
26	MP ALPHA3	X	.009	5.25
27	MP ALPHA3	X	.009	2
28	MP BETA3	Y	.005	5.25
29	MP BETA3	Y	.005	2
30	MP BETA3	X	.009	5.25
31	MP BETA3	X	.009	2
32	MP GAMMA3	Y	.008	5.25
33	MP GAMMA3	Y	.008	2

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
34	MP GAMMA3	X	.013	5.25
35	MP GAMMA3	X	.013	2
36	MP ALPHA1	Y	.004	5.5
37	MP ALPHA1	X	.008	5.5
38	MP BETA1	Y	.004	5.5
39	MP BETA1	X	.008	5.5
40	MP GAMMA1	Y	.005	5.5
41	MP GAMMA1	X	.009	5.5
42	MP ALPHA1	Y	.005	5.5
43	MP ALPHA1	X	.008	5.5
44	MP BETA1	Y	.005	5.5
45	MP BETA1	X	.008	5.5
46	MP GAMMA1	Y	.005	5.5
47	MP GAMMA1	X	.009	5.5
48	MP ALPHA3	Y	.004	4.5
49	MP ALPHA3	X	.008	4.5
50	MP BETA3	Y	.004	4.5
51	MP BETA3	X	.008	4.5
52	MP GAMMA3	Y	.005	4.5
53	MP GAMMA3	X	.009	4.5
54	MP ALPHA1	Y	.007	5.5
55	MP ALPHA1	X	.012	5.5
56	MP ALPHA4	Y	.008	2
57	MP ALPHA4	X	.013	2
58	MP ALPHA1	X	.021	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	.021	2.5
2	MP BETA1	X	.041	7.25
3	MP BETA1	X	.041	2.5
4	MP GAMMA1	X	.041	7.25
5	MP GAMMA1	X	.041	2.5
6	MP ALPHA2	X	.021	7.25
7	MP ALPHA2	X	.021	2.5
8	MP BETA2	X	.042	7.25
9	MP BETA2	X	.042	2.5
10	MP GAMMA2	X	.042	7.25
11	MP GAMMA2	X	.042	2.5
12	MP ALPHA3	X	.008	5.25
13	MP ALPHA3	X	.008	2
14	MP BETA3	X	.013	5.25
15	MP BETA3	X	.013	2
16	MP GAMMA3	X	.013	5.25
17	MP GAMMA3	X	.013	2
18	MP ALPHA1	X	.008	5.5
19	MP BETA1	X	.01	5.5
20	MP GAMMA1	X	.01	5.5
21	MP ALPHA1	X	.009	5.5
22	MP BETA1	X	.01	5.5
23	MP GAMMA1	X	.01	5.5
24	MP ALPHA3	X	.009	4.5
25	MP BETA3	X	.01	4.5
26	MP GAMMA3	X	.01	4.5
27	MP ALPHA1	X	.014	5.5
28	MP ALPHA4	X	.015	2

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
29	MP ALPHA1	Y	-.014	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.014	2.5
2	MP ALPHA1	X	.024	7.25
3	MP ALPHA1	X	.024	2.5
4	MP BETA1	Y	-.024	7.25
5	MP BETA1	Y	-.024	2.5
6	MP BETA1	X	.041	7.25
7	MP BETA1	X	.041	2.5
8	MP GAMMA1	Y	-.014	7.25
9	MP GAMMA1	Y	-.014	2.5
10	MP GAMMA1	X	.024	7.25
11	MP GAMMA1	X	.024	2.5
12	MP ALPHA2	Y	-.014	7.25
13	MP ALPHA2	Y	-.014	2.5
14	MP ALPHA2	X	.024	7.25
15	MP ALPHA2	X	.024	2.5
16	MP BETA2	Y	-.024	7.25
17	MP BETA2	Y	-.024	2.5
18	MP BETA2	X	.042	7.25
19	MP BETA2	X	.042	2.5
20	MP GAMMA2	Y	-.014	7.25
21	MP GAMMA2	Y	-.014	2.5
22	MP GAMMA2	X	.024	7.25
23	MP GAMMA2	X	.024	2.5
24	MP ALPHA3	Y	-.005	5.25
25	MP ALPHA3	Y	-.005	2
26	MP ALPHA3	X	.009	5.25
27	MP ALPHA3	X	.009	2
28	MP BETA3	Y	-.008	5.25
29	MP BETA3	Y	-.008	2
30	MP BETA3	X	.013	5.25
31	MP BETA3	X	.013	2
32	MP GAMMA3	Y	-.005	5.25
33	MP GAMMA3	Y	-.005	2
34	MP GAMMA3	X	.009	5.25
35	MP GAMMA3	X	.009	2
36	MP ALPHA1	Y	-.004	5.5
37	MP ALPHA1	X	.008	5.5
38	MP BETA1	Y	-.005	5.5
39	MP BETA1	X	.009	5.5
40	MP GAMMA1	Y	-.004	5.5
41	MP GAMMA1	X	.008	5.5
42	MP ALPHA1	Y	-.005	5.5
43	MP ALPHA1	X	.008	5.5
44	MP BETA1	Y	-.005	5.5
45	MP BETA1	X	.009	5.5
46	MP GAMMA1	Y	-.005	5.5
47	MP GAMMA1	X	.008	5.5
48	MP ALPHA3	Y	-.004	4.5
49	MP ALPHA3	X	.008	4.5
50	MP BETA3	Y	-.005	4.5
51	MP BETA3	X	.009	4.5
52	MP GAMMA3	Y	-.004	4.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
53	MP GAMMA3	X	.008	4.5
54	MP ALPHA1	Y	-.007	5.5
55	MP ALPHA1	X	.012	5.5
56	MP ALPHA4	Y	-.008	2
57	MP ALPHA4	X	.013	2
58	MP ALPHA1	Y	-.036	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.036	2.5
2	MP ALPHA1	X	.021	7.25
3	MP ALPHA1	X	.021	2.5
4	MP BETA1	Y	-.036	7.25
5	MP BETA1	Y	-.036	2.5
6	MP BETA1	X	.021	7.25
7	MP BETA1	X	.021	2.5
8	MP GAMMA1	Y	-.018	7.25
9	MP GAMMA1	Y	-.018	2.5
10	MP GAMMA1	X	.01	7.25
11	MP GAMMA1	X	.01	2.5
12	MP ALPHA2	Y	-.036	7.25
13	MP ALPHA2	Y	-.036	2.5
14	MP ALPHA2	X	.021	7.25
15	MP ALPHA2	X	.021	2.5
16	MP BETA2	Y	-.036	7.25
17	MP BETA2	Y	-.036	2.5
18	MP BETA2	X	.021	7.25
19	MP BETA2	X	.021	2.5
20	MP GAMMA2	Y	-.018	7.25
21	MP GAMMA2	Y	-.018	2.5
22	MP GAMMA2	X	.011	7.25
23	MP GAMMA2	X	.011	2.5
24	MP ALPHA3	Y	-.012	5.25
25	MP ALPHA3	Y	-.012	2
26	MP ALPHA3	X	.007	5.25
27	MP ALPHA3	X	.007	2
28	MP BETA3	Y	-.012	5.25
29	MP BETA3	Y	-.012	2
30	MP BETA3	X	.007	5.25
31	MP BETA3	X	.007	2
32	MP GAMMA3	Y	-.007	5.25
33	MP GAMMA3	Y	-.007	2
34	MP GAMMA3	X	.004	5.25
35	MP GAMMA3	X	.004	2
36	MP ALPHA1	Y	-.009	5.5
37	MP ALPHA1	X	.005	5.5
38	MP BETA1	Y	-.009	5.5
39	MP BETA1	X	.005	5.5
40	MP GAMMA1	Y	-.007	5.5
41	MP GAMMA1	X	.004	5.5
42	MP ALPHA1	Y	-.009	5.5
43	MP ALPHA1	X	.005	5.5
44	MP BETA1	Y	-.009	5.5
45	MP BETA1	X	.005	5.5
46	MP GAMMA1	Y	-.008	5.5
47	MP GAMMA1	X	.005	5.5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
48	MP ALPHA3	Y	-.008	4.5
49	MP ALPHA3	X	.005	4.5
50	MP BETA3	Y	-.008	4.5
51	MP BETA3	X	.005	4.5
52	MP GAMMA3	Y	-.007	4.5
53	MP GAMMA3	X	.004	4.5
54	MP ALPHA1	Y	-.012	5.5
55	MP ALPHA1	X	.007	5.5
56	MP ALPHA4	Y	-.013	2
57	MP ALPHA4	X	.008	2
58	MP ALPHA1	X	-.005	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	-.005	2.5
2	MP BETA1	X	-.005	7.25
3	MP BETA1	X	-.005	2.5
4	MP GAMMA1	X	-.005	7.25
5	MP GAMMA1	X	-.005	2.5
6	MP ALPHA2	X	-.004	7.25
7	MP ALPHA2	X	-.004	2.5
8	MP BETA2	X	-.004	7.25
9	MP BETA2	X	-.004	2.5
10	MP GAMMA2	X	-.004	7.25
11	MP GAMMA2	X	-.004	2.5
12	MP ALPHA3	X	-.002	5.25
13	MP ALPHA3	X	-.002	2
14	MP BETA3	X	-.002	5.25
15	MP BETA3	X	-.002	2
16	MP GAMMA3	X	-.002	5.25
17	MP GAMMA3	X	-.002	2
18	MP ALPHA1	X	-.008	5.5
19	MP BETA1	X	-.008	5.5
20	MP GAMMA1	X	-.008	5.5
21	MP ALPHA1	X	-.008	5.5
22	MP BETA1	X	-.008	5.5
23	MP GAMMA1	X	-.008	5.5
24	MP ALPHA3	X	-.005	4.5
25	MP BETA3	X	-.005	4.5
26	MP GAMMA3	X	-.005	4.5
27	MP ALPHA1	X	-.003	5.5
28	MP ALPHA4	X	-.004	2
29	MP ALPHA1	Y	-.005	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.005	2.5
2	MP BETA1	Y	-.005	7.25
3	MP BETA1	Y	-.005	2.5
4	MP GAMMA1	Y	-.005	7.25
5	MP GAMMA1	Y	-.005	2.5
6	MP ALPHA2	Y	-.004	7.25
7	MP ALPHA2	Y	-.004	2.5
8	MP BETA2	Y	-.004	7.25
9	MP BETA2	Y	-.004	2.5
10	MP GAMMA2	Y	-.004	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
11	MP GAMMA2	Y	-.004	2.5
12	MP ALPHA3	Y	-.002	5.25
13	MP ALPHA3	Y	-.002	2
14	MP BETA3	Y	-.002	5.25
15	MP BETA3	Y	-.002	2
16	MP GAMMA3	Y	-.002	5.25
17	MP GAMMA3	Y	-.002	2
18	MP ALPHA1	Y	-.008	5.5
19	MP BETA1	Y	-.008	5.5
20	MP GAMMA1	Y	-.008	5.5
21	MP ALPHA1	Y	-.008	5.5
22	MP BETA1	Y	-.008	5.5
23	MP GAMMA1	Y	-.008	5.5
24	MP ALPHA3	Y	-.005	4.5
25	MP BETA3	Y	-.005	4.5
26	MP GAMMA3	Y	-.005	4.5
27	MP ALPHA1	Y	-.003	5.5
28	MP ALPHA4	Y	-.004	2
29	MP ALPHA1	Z	-.002	7.25

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.002	2.5
2	MP BETA1	Z	-.002	7.25
3	MP BETA1	Z	-.002	2.5
4	MP GAMMA1	Z	-.002	7.25
5	MP GAMMA1	Z	-.002	2.5
6	MP ALPHA2	Z	-.001	7.25
7	MP ALPHA2	Z	-.001	2.5
8	MP BETA2	Z	-.001	7.25
9	MP BETA2	Z	-.001	2.5
10	MP GAMMA2	Z	-.001	7.25
11	MP GAMMA2	Z	-.001	2.5
12	MP ALPHA3	Z	-.000784	5.25
13	MP ALPHA3	Z	-.000784	2
14	MP BETA3	Z	-.000784	5.25
15	MP BETA3	Z	-.000784	2
16	MP GAMMA3	Z	-.000784	5.25
17	MP GAMMA3	Z	-.000784	2
18	MP ALPHA1	Z	-.003	5.5
19	MP BETA1	Z	-.003	5.5
20	MP GAMMA1	Z	-.003	5.5
21	MP ALPHA1	Z	-.003	5.5
22	MP BETA1	Z	-.003	5.5
23	MP GAMMA1	Z	-.003	5.5
24	MP ALPHA3	Z	-.002	4.5
25	MP BETA3	Z	-.002	4.5
26	MP GAMMA3	Z	-.002	4.5
27	MP ALPHA1	Z	-.001	5.5
28	MP ALPHA4	Z	-.001	2
29	SUP3B	Z	-.001	2

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP3B	PY	-.005	-.005	0	0
2	SUP3A	PY	-.005	-.005	0	0
3	SUP2B	PY	-.005	-.005	0	0
4	SUP2A	PY	-.005	-.005	0	0
5	SUP1B	PY	-.005	-.005	0	0
6	SUP1A	PY	-.005	-.005	0	0
7	SO3a	PY	-.009	-.009	0	0
8	SO2a	PY	-.009	-.009	0	0
9	SO1a	PY	-.009	-.009	0	0
10	PLATE12	PY	-.015	-.015	0	0
11	PLATE11	PY	-.015	-.015	0	0
12	PLATE10	PY	-.015	-.015	0	0
13	PLATE9	PY	-.015	-.015	0	0
14	PLATE8	PY	-.015	-.015	0	0
15	PLATE7	PY	-.015	-.015	0	0
16	PLATE6	PY	-.015	-.015	0	0
17	PLATE5	PY	-.015	-.015	0	0
18	PLATE4	PY	-.015	-.015	0	0
19	PLATE3	PY	-.015	-.015	0	0
20	PLATE2	PY	-.015	-.015	0	0
21	PLATE1	PY	-.015	-.015	0	0
22	MP GAMMA3	PY	-.009	-.009	0	0
23	MP GAMMA2	PY	-.009	-.009	0	0
24	MP GAMMA1	PY	-.009	-.009	0	0
25	MP BETA3	PY	-.009	-.009	0	0
26	MP BETA2	PY	-.009	-.009	0	0
27	MP BETA1	PY	-.009	-.009	0	0
28	MP ALPHA3	PY	-.009	-.009	0	0
29	MP ALPHA2	PY	-.009	-.009	0	0
30	MP ALPHA1	PY	-.009	-.009	0	0
31	FACE3A	PY	-.009	-.009	0	0
32	FACE2A	PY	-.009	-.009	0	0
33	FACE1A	PY	-.009	-.009	0	0
34	CR3B	PY	-.005	-.005	0	0
35	CR3A	PY	-.005	-.005	0	0
36	CR2B	PY	-.005	-.005	0	0
37	CR2A	PY	-.005	-.005	0	0
38	CR1B	PY	-.005	-.005	0	0
39	CR1A	PY	-.005	-.005	0	0
40	CORNER3	PY	-.015	-.015	0	0
41	CORNER2	PY	-.015	-.015	0	0
42	CORNER1	PY	-.015	-.015	0	0
43	MP ALPHA4	PY	-.009	-.009	0	0
44	RAIL3	PY	-.006	-.006	0	0
45	RAIL2	PY	-.006	-.006	0	0
46	RAIL1	PY	-.006	-.006	0	0
47	BRACE1	PY	-.006	-.006	0	0
48	BRACE2	PY	-.006	-.006	0	0
49	BRACE3	PY	-.006	-.006	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP3B	PY	-.004	-.004	0	0
2	SUP3A	PY	-.004	-.004	0	0
3	SUP2B	PY	-.004	-.004	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
4	SUP2A	PY	-.004	-.004	0	0
5	SUP1B	PY	-.004	-.004	0	0
6	SUP1A	PY	-.004	-.004	0	0
7	SO3a	PY	-.008	-.008	0	0
8	SO2a	PY	-.008	-.008	0	0
9	SO1a	PY	-.008	-.008	0	0
10	PLATE12	PY	-.013	-.013	0	0
11	PLATE11	PY	-.013	-.013	0	0
12	PLATE10	PY	-.013	-.013	0	0
13	PLATE9	PY	-.013	-.013	0	0
14	PLATE8	PY	-.013	-.013	0	0
15	PLATE7	PY	-.013	-.013	0	0
16	PLATE6	PY	-.013	-.013	0	0
17	PLATE5	PY	-.013	-.013	0	0
18	PLATE4	PY	-.013	-.013	0	0
19	PLATE3	PY	-.013	-.013	0	0
20	PLATE2	PY	-.013	-.013	0	0
21	PLATE1	PY	-.013	-.013	0	0
22	MP GAMMA3	PY	-.008	-.008	0	0
23	MP GAMMA2	PY	-.008	-.008	0	0
24	MP GAMMA1	PY	-.008	-.008	0	0
25	MP BETA3	PY	-.008	-.008	0	0
26	MP BETA2	PY	-.008	-.008	0	0
27	MP BETA1	PY	-.008	-.008	0	0
28	MP ALPHA3	PY	-.008	-.008	0	0
29	MP ALPHA2	PY	-.008	-.008	0	0
30	MP ALPHA1	PY	-.008	-.008	0	0
31	FACE3A	PY	-.008	-.008	0	0
32	FACE2A	PY	-.008	-.008	0	0
33	FACE1A	PY	-.008	-.008	0	0
34	CR3B	PY	-.005	-.005	0	0
35	CR3A	PY	-.005	-.005	0	0
36	CR2B	PY	-.005	-.005	0	0
37	CR2A	PY	-.005	-.005	0	0
38	CR1B	PY	-.005	-.005	0	0
39	CR1A	PY	-.005	-.005	0	0
40	CORNER3	PY	-.013	-.013	0	0
41	CORNER2	PY	-.013	-.013	0	0
42	CORNER1	PY	-.013	-.013	0	0
43	MP ALPHA4	PY	-.008	-.008	0	0
44	RAIL3	PY	-.005	-.005	0	0
45	RAIL2	PY	-.005	-.005	0	0
46	RAIL1	PY	-.005	-.005	0	0
47	BRACE1	PY	-.005	-.005	0	0
48	BRACE2	PY	-.005	-.005	0	0
49	BRACE3	PY	-.005	-.005	0	0
50	SUP3B	PX	-.003	-.003	0	0
51	SUP3A	PX	-.003	-.003	0	0
52	SUP2B	PX	-.003	-.003	0	0
53	SUP2A	PX	-.003	-.003	0	0
54	SUP1B	PX	-.003	-.003	0	0
55	SUP1A	PX	-.003	-.003	0	0
56	SO3a	PX	-.004	-.004	0	0
57	SO2a	PX	-.004	-.004	0	0
58	SO1a	PX	-.004	-.004	0	0
59	PLATE12	PX	-.008	-.008	0	0
60	PLATE11	PX	-.008	-.008	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
61	PLATE10	PX	-.008	-.008	0	0
62	PLATE9	PX	-.008	-.008	0	0
63	PLATE8	PX	-.008	-.008	0	0
64	PLATE7	PX	-.008	-.008	0	0
65	PLATE6	PX	-.008	-.008	0	0
66	PLATE5	PX	-.008	-.008	0	0
67	PLATE4	PX	-.008	-.008	0	0
68	PLATE3	PX	-.008	-.008	0	0
69	PLATE2	PX	-.008	-.008	0	0
70	PLATE1	PX	-.008	-.008	0	0
71	MP GAMMA3	PX	-.005	-.005	0	0
72	MP GAMMA2	PX	-.005	-.005	0	0
73	MP GAMMA1	PX	-.005	-.005	0	0
74	MP BETA3	PX	-.005	-.005	0	0
75	MP BETA2	PX	-.005	-.005	0	0
76	MP BETA1	PX	-.005	-.005	0	0
77	MP ALPHA3	PX	-.005	-.005	0	0
78	MP ALPHA2	PX	-.005	-.005	0	0
79	MP ALPHA1	PX	-.005	-.005	0	0
80	FACE3A	PX	-.004	-.004	0	0
81	FACE2A	PX	-.004	-.004	0	0
82	FACE1A	PX	-.004	-.004	0	0
83	CR3B	PX	-.003	-.003	0	0
84	CR3A	PX	-.003	-.003	0	0
85	CR2B	PX	-.003	-.003	0	0
86	CR2A	PX	-.003	-.003	0	0
87	CR1B	PX	-.003	-.003	0	0
88	CR1A	PX	-.003	-.003	0	0
89	CORNER3	PX	-.008	-.008	0	0
90	CORNER2	PX	-.008	-.008	0	0
91	CORNER1	PX	-.008	-.008	0	0
92	MP ALPHA4	PX	-.005	-.005	0	0
93	RAIL3	PX	-.003	-.003	0	0
94	RAIL2	PX	-.003	-.003	0	0
95	RAIL1	PX	-.003	-.003	0	0
96	BRACE1	PX	-.003	-.003	0	0
97	BRACE2	PX	-.003	-.003	0	0
98	BRACE3	PX	-.003	-.003	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP3B	PY	-.003	-.003	0	0
2	SUP3A	PY	-.003	-.003	0	0
3	SUP2B	PY	-.003	-.003	0	0
4	SUP2A	PY	-.003	-.003	0	0
5	SUP1B	PY	-.003	-.003	0	0
6	SUP1A	PY	-.003	-.003	0	0
7	SO3a	PY	-.004	-.004	0	0
8	SO2a	PY	-.004	-.004	0	0
9	SO1a	PY	-.004	-.004	0	0
10	PLATE12	PY	-.008	-.008	0	0
11	PLATE11	PY	-.008	-.008	0	0
12	PLATE10	PY	-.008	-.008	0	0
13	PLATE9	PY	-.008	-.008	0	0
14	PLATE8	PY	-.008	-.008	0	0
15	PLATE7	PY	-.008	-.008	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
16	PLATE6	PY	-.008	-.008	0	0
17	PLATE5	PY	-.008	-.008	0	0
18	PLATE4	PY	-.008	-.008	0	0
19	PLATE3	PY	-.008	-.008	0	0
20	PLATE2	PY	-.008	-.008	0	0
21	PLATE1	PY	-.008	-.008	0	0
22	MP GAMMA3	PY	-.005	-.005	0	0
23	MP GAMMA2	PY	-.005	-.005	0	0
24	MP GAMMA1	PY	-.005	-.005	0	0
25	MP BETA3	PY	-.005	-.005	0	0
26	MP BETA2	PY	-.005	-.005	0	0
27	MP BETA1	PY	-.005	-.005	0	0
28	MP ALPHA3	PY	-.005	-.005	0	0
29	MP ALPHA2	PY	-.005	-.005	0	0
30	MP ALPHA1	PY	-.005	-.005	0	0
31	FACE3A	PY	-.004	-.004	0	0
32	FACE2A	PY	-.004	-.004	0	0
33	FACE1A	PY	-.004	-.004	0	0
34	CR3B	PY	-.003	-.003	0	0
35	CR3A	PY	-.003	-.003	0	0
36	CR2B	PY	-.003	-.003	0	0
37	CR2A	PY	-.003	-.003	0	0
38	CR1B	PY	-.003	-.003	0	0
39	CR1A	PY	-.003	-.003	0	0
40	CORNER3	PY	-.008	-.008	0	0
41	CORNER2	PY	-.008	-.008	0	0
42	CORNER1	PY	-.008	-.008	0	0
43	MP ALPHA4	PY	-.005	-.005	0	0
44	RAIL3	PY	-.003	-.003	0	0
45	RAIL2	PY	-.003	-.003	0	0
46	RAIL1	PY	-.003	-.003	0	0
47	BRACE1	PY	-.003	-.003	0	0
48	BRACE2	PY	-.003	-.003	0	0
49	BRACE3	PY	-.003	-.003	0	0
50	SUP3B	PX	-.004	-.004	0	0
51	SUP3A	PX	-.004	-.004	0	0
52	SUP2B	PX	-.004	-.004	0	0
53	SUP2A	PX	-.004	-.004	0	0
54	SUP1B	PX	-.004	-.004	0	0
55	SUP1A	PX	-.004	-.004	0	0
56	SO3a	PX	-.008	-.008	0	0
57	SO2a	PX	-.008	-.008	0	0
58	SO1a	PX	-.008	-.008	0	0
59	PLATE12	PX	-.013	-.013	0	0
60	PLATE11	PX	-.013	-.013	0	0
61	PLATE10	PX	-.013	-.013	0	0
62	PLATE9	PX	-.013	-.013	0	0
63	PLATE8	PX	-.013	-.013	0	0
64	PLATE7	PX	-.013	-.013	0	0
65	PLATE6	PX	-.013	-.013	0	0
66	PLATE5	PX	-.013	-.013	0	0
67	PLATE4	PX	-.013	-.013	0	0
68	PLATE3	PX	-.013	-.013	0	0
69	PLATE2	PX	-.013	-.013	0	0
70	PLATE1	PX	-.013	-.013	0	0
71	MP GAMMA3	PX	-.008	-.008	0	0
72	MP GAMMA2	PX	-.008	-.008	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
73	MP GAMMA1	PX	-.008	-.008	0	0
74	MP BETA3	PX	-.008	-.008	0	0
75	MP BETA2	PX	-.008	-.008	0	0
76	MP BETA1	PX	-.008	-.008	0	0
77	MP ALPHA3	PX	-.008	-.008	0	0
78	MP ALPHA2	PX	-.008	-.008	0	0
79	MP ALPHA1	PX	-.008	-.008	0	0
80	FACE3A	PX	-.008	-.008	0	0
81	FACE2A	PX	-.008	-.008	0	0
82	FACE1A	PX	-.008	-.008	0	0
83	CR3B	PX	-.005	-.005	0	0
84	CR3A	PX	-.005	-.005	0	0
85	CR2B	PX	-.005	-.005	0	0
86	CR2A	PX	-.005	-.005	0	0
87	CR1B	PX	-.005	-.005	0	0
88	CR1A	PX	-.005	-.005	0	0
89	CORNER3	PX	-.013	-.013	0	0
90	CORNER2	PX	-.013	-.013	0	0
91	CORNER1	PX	-.013	-.013	0	0
92	MP ALPHA4	PX	-.008	-.008	0	0
93	RAIL3	PX	-.005	-.005	0	0
94	RAIL2	PX	-.005	-.005	0	0
95	RAIL1	PX	-.005	-.005	0	0
96	BRACE1	PX	-.005	-.005	0	0
97	BRACE2	PX	-.005	-.005	0	0
98	BRACE3	PX	-.005	-.005	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP3B	PX	-.005	-.005	0	0
2	SUP3A	PX	-.005	-.005	0	0
3	SUP2B	PX	-.005	-.005	0	0
4	SUP2A	PX	-.005	-.005	0	0
5	SUP1B	PX	-.005	-.005	0	0
6	SUP1A	PX	-.005	-.005	0	0
7	SO3a	PX	-.009	-.009	0	0
8	SO2a	PX	-.009	-.009	0	0
9	SO1a	PX	-.009	-.009	0	0
10	PLATE12	PX	-.015	-.015	0	0
11	PLATE11	PX	-.015	-.015	0	0
12	PLATE10	PX	-.015	-.015	0	0
13	PLATE9	PX	-.015	-.015	0	0
14	PLATE8	PX	-.015	-.015	0	0
15	PLATE7	PX	-.015	-.015	0	0
16	PLATE6	PX	-.015	-.015	0	0
17	PLATE5	PX	-.015	-.015	0	0
18	PLATE4	PX	-.015	-.015	0	0
19	PLATE3	PX	-.015	-.015	0	0
20	PLATE2	PX	-.015	-.015	0	0
21	PLATE1	PX	-.015	-.015	0	0
22	MP GAMMA3	PX	-.009	-.009	0	0
23	MP GAMMA2	PX	-.009	-.009	0	0
24	MP GAMMA1	PX	-.009	-.009	0	0
25	MP BETA3	PX	-.009	-.009	0	0
26	MP BETA2	PX	-.009	-.009	0	0
27	MP BETA1	PX	-.009	-.009	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
28	MP ALPHA3	PX	-.009	-.009	0	0
29	MP ALPHA2	PX	-.009	-.009	0	0
30	MP ALPHA1	PX	-.009	-.009	0	0
31	FACE1A	PX	-.009	-.009	0	0
32	FACE3A	PX	-.009	-.009	0	0
33	FACE2A	PX	-.009	-.009	0	0
34	CR3B	PX	-.005	-.005	0	0
35	CR3A	PX	-.005	-.005	0	0
36	CR2B	PX	-.005	-.005	0	0
37	CR2A	PX	-.005	-.005	0	0
38	CR1B	PX	-.005	-.005	0	0
39	CR1A	PX	-.005	-.005	0	0
40	CORNER3	PX	-.015	-.015	0	0
41	CORNER2	PX	-.015	-.015	0	0
42	CORNER1	PX	-.015	-.015	0	0
43	MP ALPHA4	PX	-.009	-.009	0	0
44	RAIL1	PX	-.006	-.006	0	0
45	RAIL3	PX	-.006	-.006	0	0
46	RAIL2	PX	-.006	-.006	0	0
47	BRACE1	PX	-.006	-.006	0	0
48	BRACE2	PX	-.006	-.006	0	0
49	BRACE3	PX	-.006	-.006	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP3B	PY	.003	.003	0	0
2	SUP3A	PY	.003	.003	0	0
3	SUP2B	PY	.003	.003	0	0
4	SUP2A	PY	.003	.003	0	0
5	SUP1B	PY	.003	.003	0	0
6	SUP1A	PY	.003	.003	0	0
7	SO3a	PY	.004	.004	0	0
8	SO2a	PY	.004	.004	0	0
9	SO1a	PY	.004	.004	0	0
10	PLATE12	PY	.008	.008	0	0
11	PLATE11	PY	.008	.008	0	0
12	PLATE10	PY	.008	.008	0	0
13	PLATE9	PY	.008	.008	0	0
14	PLATE8	PY	.008	.008	0	0
15	PLATE7	PY	.008	.008	0	0
16	PLATE6	PY	.008	.008	0	0
17	PLATE5	PY	.008	.008	0	0
18	PLATE4	PY	.008	.008	0	0
19	PLATE3	PY	.008	.008	0	0
20	PLATE2	PY	.008	.008	0	0
21	PLATE1	PY	.008	.008	0	0
22	MP GAMMA3	PY	.005	.005	0	0
23	MP GAMMA2	PY	.005	.005	0	0
24	MP GAMMA1	PY	.005	.005	0	0
25	MP BETA3	PY	.005	.005	0	0
26	MP BETA2	PY	.005	.005	0	0
27	MP BETA1	PY	.005	.005	0	0
28	MP ALPHA3	PY	.005	.005	0	0
29	MP ALPHA2	PY	.005	.005	0	0
30	MP ALPHA1	PY	.005	.005	0	0
31	FACE1A	PY	.004	.004	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
32	FACE3A	PY	.004	.004	0	0
33	FACE2A	PY	.004	.004	0	0
34	CR3B	PY	.003	.003	0	0
35	CR3A	PY	.003	.003	0	0
36	CR2B	PY	.003	.003	0	0
37	CR2A	PY	.003	.003	0	0
38	CR1B	PY	.003	.003	0	0
39	CR1A	PY	.003	.003	0	0
40	CORNER3	PY	.008	.008	0	0
41	CORNER2	PY	.008	.008	0	0
42	CORNER1	PY	.008	.008	0	0
43	MP ALPHA4	PY	.005	.005	0	0
44	RAIL1	PY	.003	.003	0	0
45	RAIL3	PY	.003	.003	0	0
46	RAIL2	PY	.003	.003	0	0
47	BRACE1	PY	.003	.003	0	0
48	BRACE2	PY	.003	.003	0	0
49	BRACE3	PY	.003	.003	0	0
50	SUP3B	PX	-.004	-.004	0	0
51	SUP3A	PX	-.004	-.004	0	0
52	SUP2B	PX	-.004	-.004	0	0
53	SUP2A	PX	-.004	-.004	0	0
54	SUP1B	PX	-.004	-.004	0	0
55	SUP1A	PX	-.004	-.004	0	0
56	SO3a	PX	-.008	-.008	0	0
57	SO2a	PX	-.008	-.008	0	0
58	SO1a	PX	-.008	-.008	0	0
59	PLATE12	PX	-.013	-.013	0	0
60	PLATE11	PX	-.013	-.013	0	0
61	PLATE10	PX	-.013	-.013	0	0
62	PLATE9	PX	-.013	-.013	0	0
63	PLATE8	PX	-.013	-.013	0	0
64	PLATE7	PX	-.013	-.013	0	0
65	PLATE6	PX	-.013	-.013	0	0
66	PLATE5	PX	-.013	-.013	0	0
67	PLATE4	PX	-.013	-.013	0	0
68	PLATE3	PX	-.013	-.013	0	0
69	PLATE2	PX	-.013	-.013	0	0
70	PLATE1	PX	-.013	-.013	0	0
71	MP GAMMA3	PX	-.008	-.008	0	0
72	MP GAMMA2	PX	-.008	-.008	0	0
73	MP GAMMA1	PX	-.008	-.008	0	0
74	MP BETA3	PX	-.008	-.008	0	0
75	MP BETA2	PX	-.008	-.008	0	0
76	MP BETA1	PX	-.008	-.008	0	0
77	MP ALPHA3	PX	-.008	-.008	0	0
78	MP ALPHA2	PX	-.008	-.008	0	0
79	MP ALPHA1	PX	-.008	-.008	0	0
80	FACE1A	PX	-.008	-.008	0	0
81	FACE3A	PX	-.008	-.008	0	0
82	FACE2A	PX	-.008	-.008	0	0
83	CR3B	PX	-.005	-.005	0	0
84	CR3A	PX	-.005	-.005	0	0
85	CR2B	PX	-.005	-.005	0	0
86	CR2A	PX	-.005	-.005	0	0
87	CR1B	PX	-.005	-.005	0	0
88	CR1A	PX	-.005	-.005	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
89	CORNER3	PX	-.013	-.013	0	0
90	CORNER2	PX	-.013	-.013	0	0
91	CORNER1	PX	-.013	-.013	0	0
92	MP ALPHA4	PX	-.008	-.008	0	0
93	RAIL1	PX	-.005	-.005	0	0
94	RAIL3	PX	-.005	-.005	0	0
95	RAIL2	PX	-.005	-.005	0	0
96	BRACE1	PX	-.005	-.005	0	0
97	BRACE2	PX	-.005	-.005	0	0
98	BRACE3	PX	-.005	-.005	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP3B	PY	.004	.004	0	0
2	SUP3A	PY	.004	.004	0	0
3	SUP2B	PY	.004	.004	0	0
4	SUP2A	PY	.004	.004	0	0
5	SUP1B	PY	.004	.004	0	0
6	SUP1A	PY	.004	.004	0	0
7	SO3a	PY	.008	.008	0	0
8	SO2a	PY	.008	.008	0	0
9	SO1a	PY	.008	.008	0	0
10	PLATE12	PY	.013	.013	0	0
11	PLATE11	PY	.013	.013	0	0
12	PLATE10	PY	.013	.013	0	0
13	PLATE9	PY	.013	.013	0	0
14	PLATE8	PY	.013	.013	0	0
15	PLATE7	PY	.013	.013	0	0
16	PLATE6	PY	.013	.013	0	0
17	PLATE5	PY	.013	.013	0	0
18	PLATE4	PY	.013	.013	0	0
19	PLATE3	PY	.013	.013	0	0
20	PLATE2	PY	.013	.013	0	0
21	PLATE1	PY	.013	.013	0	0
22	MP GAMMA3	PY	.008	.008	0	0
23	MP GAMMA2	PY	.008	.008	0	0
24	MP GAMMA1	PY	.008	.008	0	0
25	MP BETA3	PY	.008	.008	0	0
26	MP BETA2	PY	.008	.008	0	0
27	MP BETA1	PY	.008	.008	0	0
28	MP ALPHA3	PY	.008	.008	0	0
29	MP ALPHA2	PY	.008	.008	0	0
30	MP ALPHA1	PY	.008	.008	0	0
31	FACE1A	PY	.008	.008	0	0
32	FACE3A	PY	.008	.008	0	0
33	FACE2A	PY	.008	.008	0	0
34	CR3B	PY	.005	.005	0	0
35	CR3A	PY	.005	.005	0	0
36	CR2B	PY	.005	.005	0	0
37	CR2A	PY	.005	.005	0	0
38	CR1B	PY	.005	.005	0	0
39	CR1A	PY	.005	.005	0	0
40	CORNER3	PY	.013	.013	0	0
41	CORNER2	PY	.013	.013	0	0
42	CORNER1	PY	.013	.013	0	0
43	MP ALPHA4	PY	.008	.008	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
44	RAIL1	PY	.005	.005	0	0
45	RAIL3	PY	.005	.005	0	0
46	RAIL2	PY	.005	.005	0	0
47	BRACE1	PY	.005	.005	0	0
48	BRACE2	PY	.005	.005	0	0
49	BRACE3	PY	.005	.005	0	0
50	SUP3B	PX	-.003	-.003	0	0
51	SUP3A	PX	-.003	-.003	0	0
52	SUP2B	PX	-.003	-.003	0	0
53	SUP2A	PX	-.003	-.003	0	0
54	SUP1B	PX	-.003	-.003	0	0
55	SUP1A	PX	-.003	-.003	0	0
56	SO3a	PX	-.004	-.004	0	0
57	SO2a	PX	-.004	-.004	0	0
58	SO1a	PX	-.004	-.004	0	0
59	PLATE12	PX	-.008	-.008	0	0
60	PLATE11	PX	-.008	-.008	0	0
61	PLATE10	PX	-.008	-.008	0	0
62	PLATE9	PX	-.008	-.008	0	0
63	PLATE8	PX	-.008	-.008	0	0
64	PLATE7	PX	-.008	-.008	0	0
65	PLATE6	PX	-.008	-.008	0	0
66	PLATE5	PX	-.008	-.008	0	0
67	PLATE4	PX	-.008	-.008	0	0
68	PLATE3	PX	-.008	-.008	0	0
69	PLATE2	PX	-.008	-.008	0	0
70	PLATE1	PX	-.008	-.008	0	0
71	MP GAMMA3	PX	-.005	-.005	0	0
72	MP GAMMA2	PX	-.005	-.005	0	0
73	MP GAMMA1	PX	-.005	-.005	0	0
74	MP BETA3	PX	-.005	-.005	0	0
75	MP BETA2	PX	-.005	-.005	0	0
76	MP BETA1	PX	-.005	-.005	0	0
77	MP ALPHA3	PX	-.005	-.005	0	0
78	MP ALPHA2	PX	-.005	-.005	0	0
79	MP ALPHA1	PX	-.005	-.005	0	0
80	FACE1A	PX	-.004	-.004	0	0
81	FACE3A	PX	-.004	-.004	0	0
82	FACE2A	PX	-.004	-.004	0	0
83	CR3B	PX	-.003	-.003	0	0
84	CR3A	PX	-.003	-.003	0	0
85	CR2B	PX	-.003	-.003	0	0
86	CR2A	PX	-.003	-.003	0	0
87	CR1B	PX	-.003	-.003	0	0
88	CR1A	PX	-.003	-.003	0	0
89	CORNER3	PX	-.008	-.008	0	0
90	CORNER2	PX	-.008	-.008	0	0
91	CORNER1	PX	-.008	-.008	0	0
92	MP ALPHA4	PX	-.005	-.005	0	0
93	RAIL1	PX	-.003	-.003	0	0
94	RAIL3	PX	-.003	-.003	0	0
95	RAIL2	PX	-.003	-.003	0	0
96	BRACE1	PX	-.003	-.003	0	0
97	BRACE2	PX	-.003	-.003	0	0
98	BRACE3	PX	-.003	-.003	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP3B	PY	.005	.005	0	0
2	SUP3A	PY	.005	.005	0	0
3	SUP2B	PY	.005	.005	0	0
4	SUP2A	PY	.005	.005	0	0
5	SUP1B	PY	.005	.005	0	0
6	SUP1A	PY	.005	.005	0	0
7	SO3a	PY	.009	.009	0	0
8	SO2a	PY	.009	.009	0	0
9	SO1a	PY	.009	.009	0	0
10	PLATE12	PY	.015	.015	0	0
11	PLATE11	PY	.015	.015	0	0
12	PLATE10	PY	.015	.015	0	0
13	PLATE9	PY	.015	.015	0	0
14	PLATE8	PY	.015	.015	0	0
15	PLATE7	PY	.015	.015	0	0
16	PLATE6	PY	.015	.015	0	0
17	PLATE5	PY	.015	.015	0	0
18	PLATE4	PY	.015	.015	0	0
19	PLATE3	PY	.015	.015	0	0
20	PLATE2	PY	.015	.015	0	0
21	PLATE1	PY	.015	.015	0	0
22	MP GAMMA3	PY	.009	.009	0	0
23	MP GAMMA2	PY	.009	.009	0	0
24	MP GAMMA1	PY	.009	.009	0	0
25	MP BETA3	PY	.009	.009	0	0
26	MP BETA2	PY	.009	.009	0	0
27	MP BETA1	PY	.009	.009	0	0
28	MP ALPHA3	PY	.009	.009	0	0
29	MP ALPHA2	PY	.009	.009	0	0
30	MP ALPHA1	PY	.009	.009	0	0
31	FACE1A	PY	.009	.009	0	0
32	FACE3A	PY	.009	.009	0	0
33	FACE2A	PY	.009	.009	0	0
34	CR3B	PY	.005	.005	0	0
35	CR3A	PY	.005	.005	0	0
36	CR2B	PY	.005	.005	0	0
37	CR2A	PY	.005	.005	0	0
38	CR1B	PY	.005	.005	0	0
39	CR1A	PY	.005	.005	0	0
40	CORNER3	PY	.015	.015	0	0
41	CORNER2	PY	.015	.015	0	0
42	CORNER1	PY	.015	.015	0	0
43	MP ALPHA4	PY	.009	.009	0	0
44	RAIL1	PY	.006	.006	0	0
45	RAIL3	PY	.006	.006	0	0
46	RAIL2	PY	.006	.006	0	0
47	BRACE1	PY	.006	.006	0	0
48	BRACE2	PY	.006	.006	0	0
49	BRACE3	PY	.006	.006	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP3B	PY	.004	.004	0	0
2	SUP3A	PY	.004	.004	0	0
3	SUP2B	PY	.004	.004	0	0
4	SUP2A	PY	.004	.004	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
5	SUP1B	PY	.004	.004	0	0
6	SUP1A	PY	.004	.004	0	0
7	SO3a	PY	.008	.008	0	0
8	SO2a	PY	.008	.008	0	0
9	SO1a	PY	.008	.008	0	0
10	PLATE12	PY	.013	.013	0	0
11	PLATE11	PY	.013	.013	0	0
12	PLATE10	PY	.013	.013	0	0
13	PLATE9	PY	.013	.013	0	0
14	PLATE8	PY	.013	.013	0	0
15	PLATE7	PY	.013	.013	0	0
16	PLATE6	PY	.013	.013	0	0
17	PLATE5	PY	.013	.013	0	0
18	PLATE4	PY	.013	.013	0	0
19	PLATE3	PY	.013	.013	0	0
20	PLATE2	PY	.013	.013	0	0
21	PLATE1	PY	.013	.013	0	0
22	MP GAMMA3	PY	.008	.008	0	0
23	MP GAMMA2	PY	.008	.008	0	0
24	MP GAMMA1	PY	.008	.008	0	0
25	MP BETA3	PY	.008	.008	0	0
26	MP BETA2	PY	.008	.008	0	0
27	MP BETA1	PY	.008	.008	0	0
28	MP ALPHA3	PY	.008	.008	0	0
29	MP ALPHA2	PY	.008	.008	0	0
30	MP ALPHA1	PY	.008	.008	0	0
31	FACE1A	PY	.008	.008	0	0
32	FACE2A	PY	.008	.008	0	0
33	FACE3A	PY	.008	.008	0	0
34	CR3B	PY	.005	.005	0	0
35	CR3A	PY	.005	.005	0	0
36	CR2B	PY	.005	.005	0	0
37	CR2A	PY	.005	.005	0	0
38	CR1B	PY	.005	.005	0	0
39	CR1A	PY	.005	.005	0	0
40	CORNER3	PY	.013	.013	0	0
41	CORNER2	PY	.013	.013	0	0
42	CORNER1	PY	.013	.013	0	0
43	MP ALPHA4	PY	.008	.008	0	0
44	RAIL1	PY	.005	.005	0	0
45	RAIL2	PY	.005	.005	0	0
46	RAIL3	PY	.005	.005	0	0
47	BRACE1	PY	.005	.005	0	0
48	BRACE2	PY	.005	.005	0	0
49	BRACE3	PY	.005	.005	0	0
50	SUP3B	PX	.003	.003	0	0
51	SUP3A	PX	.003	.003	0	0
52	SUP2B	PX	.003	.003	0	0
53	SUP2A	PX	.003	.003	0	0
54	SUP1B	PX	.003	.003	0	0
55	SUP1A	PX	.003	.003	0	0
56	SO3a	PX	.004	.004	0	0
57	SO2a	PX	.004	.004	0	0
58	SO1a	PX	.004	.004	0	0
59	PLATE12	PX	.008	.008	0	0
60	PLATE11	PX	.008	.008	0	0
61	PLATE10	PX	.008	.008	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
62	PLATE9	PX	.008	.008	0	0
63	PLATE8	PX	.008	.008	0	0
64	PLATE7	PX	.008	.008	0	0
65	PLATE6	PX	.008	.008	0	0
66	PLATE5	PX	.008	.008	0	0
67	PLATE4	PX	.008	.008	0	0
68	PLATE3	PX	.008	.008	0	0
69	PLATE2	PX	.008	.008	0	0
70	PLATE1	PX	.008	.008	0	0
71	MP GAMMA3	PX	.005	.005	0	0
72	MP GAMMA2	PX	.005	.005	0	0
73	MP GAMMA1	PX	.005	.005	0	0
74	MP BETA3	PX	.005	.005	0	0
75	MP BETA2	PX	.005	.005	0	0
76	MP BETA1	PX	.005	.005	0	0
77	MP ALPHA3	PX	.005	.005	0	0
78	MP ALPHA2	PX	.005	.005	0	0
79	MP ALPHA1	PX	.005	.005	0	0
80	FACE1A	PX	.004	.004	0	0
81	FACE2A	PX	.004	.004	0	0
82	FACE3A	PX	.004	.004	0	0
83	CR3B	PX	.003	.003	0	0
84	CR3A	PX	.003	.003	0	0
85	CR2B	PX	.003	.003	0	0
86	CR2A	PX	.003	.003	0	0
87	CR1B	PX	.003	.003	0	0
88	CR1A	PX	.003	.003	0	0
89	CORNER3	PX	.008	.008	0	0
90	CORNER2	PX	.008	.008	0	0
91	CORNER1	PX	.008	.008	0	0
92	MP ALPHA4	PX	.005	.005	0	0
93	RAIL1	PX	.003	.003	0	0
94	RAIL2	PX	.003	.003	0	0
95	RAIL3	PX	.003	.003	0	0
96	BRACE1	PX	.003	.003	0	0
97	BRACE2	PX	.003	.003	0	0
98	BRACE3	PX	.003	.003	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP3B	PY	.003	.003	0	0
2	SUP3A	PY	.003	.003	0	0
3	SUP2B	PY	.003	.003	0	0
4	SUP2A	PY	.003	.003	0	0
5	SUP1B	PY	.003	.003	0	0
6	SUP1A	PY	.003	.003	0	0
7	SO3a	PY	.004	.004	0	0
8	SO2a	PY	.004	.004	0	0
9	SO1a	PY	.004	.004	0	0
10	PLATE12	PY	.008	.008	0	0
11	PLATE11	PY	.008	.008	0	0
12	PLATE10	PY	.008	.008	0	0
13	PLATE9	PY	.008	.008	0	0
14	PLATE8	PY	.008	.008	0	0
15	PLATE7	PY	.008	.008	0	0
16	PLATE6	PY	.008	.008	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
17	PLATE5	PY	.008	.008	0	0
18	PLATE4	PY	.008	.008	0	0
19	PLATE3	PY	.008	.008	0	0
20	PLATE2	PY	.008	.008	0	0
21	PLATE1	PY	.008	.008	0	0
22	MP GAMMA3	PY	.005	.005	0	0
23	MP GAMMA2	PY	.005	.005	0	0
24	MP GAMMA1	PY	.005	.005	0	0
25	MP BETA3	PY	.005	.005	0	0
26	MP BETA2	PY	.005	.005	0	0
27	MP BETA1	PY	.005	.005	0	0
28	MP ALPHA3	PY	.005	.005	0	0
29	MP ALPHA2	PY	.005	.005	0	0
30	MP ALPHA1	PY	.005	.005	0	0
31	FACE1A	PY	.004	.004	0	0
32	FACE2A	PY	.004	.004	0	0
33	FACE3A	PY	.004	.004	0	0
34	CR3B	PY	.003	.003	0	0
35	CR3A	PY	.003	.003	0	0
36	CR2B	PY	.003	.003	0	0
37	CR2A	PY	.003	.003	0	0
38	CR1B	PY	.003	.003	0	0
39	CR1A	PY	.003	.003	0	0
40	CORNER3	PY	.008	.008	0	0
41	CORNER2	PY	.008	.008	0	0
42	CORNER1	PY	.008	.008	0	0
43	MP ALPHA4	PY	.005	.005	0	0
44	RAIL1	PY	.003	.003	0	0
45	RAIL2	PY	.003	.003	0	0
46	RAIL3	PY	.003	.003	0	0
47	BRACE1	PY	.003	.003	0	0
48	BRACE2	PY	.003	.003	0	0
49	BRACE3	PY	.003	.003	0	0
50	SUP3B	PX	.004	.004	0	0
51	SUP3A	PX	.004	.004	0	0
52	SUP2B	PX	.004	.004	0	0
53	SUP2A	PX	.004	.004	0	0
54	SUP1B	PX	.004	.004	0	0
55	SUP1A	PX	.004	.004	0	0
56	SO3a	PX	.008	.008	0	0
57	SO2a	PX	.008	.008	0	0
58	SO1a	PX	.008	.008	0	0
59	PLATE12	PX	.013	.013	0	0
60	PLATE11	PX	.013	.013	0	0
61	PLATE10	PX	.013	.013	0	0
62	PLATE9	PX	.013	.013	0	0
63	PLATE8	PX	.013	.013	0	0
64	PLATE7	PX	.013	.013	0	0
65	PLATE6	PX	.013	.013	0	0
66	PLATE5	PX	.013	.013	0	0
67	PLATE4	PX	.013	.013	0	0
68	PLATE3	PX	.013	.013	0	0
69	PLATE2	PX	.013	.013	0	0
70	PLATE1	PX	.013	.013	0	0
71	MP GAMMA3	PX	.008	.008	0	0
72	MP GAMMA2	PX	.008	.008	0	0
73	MP GAMMA1	PX	.008	.008	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
74	MP BETA3	PX	.008	.008	0	0
75	MP BETA2	PX	.008	.008	0	0
76	MP BETA1	PX	.008	.008	0	0
77	MP ALPHA3	PX	.008	.008	0	0
78	MP ALPHA2	PX	.008	.008	0	0
79	MP ALPHA1	PX	.008	.008	0	0
80	FACE1A	PX	.008	.008	0	0
81	FACE2A	PX	.008	.008	0	0
82	FACE3A	PX	.008	.008	0	0
83	CR3B	PX	.005	.005	0	0
84	CR3A	PX	.005	.005	0	0
85	CR2B	PX	.005	.005	0	0
86	CR2A	PX	.005	.005	0	0
87	CR1B	PX	.005	.005	0	0
88	CR1A	PX	.005	.005	0	0
89	CORNER3	PX	.013	.013	0	0
90	CORNER2	PX	.013	.013	0	0
91	CORNER1	PX	.013	.013	0	0
92	MP ALPHA4	PX	.008	.008	0	0
93	RAIL1	PX	.005	.005	0	0
94	RAIL2	PX	.005	.005	0	0
95	RAIL3	PX	.005	.005	0	0
96	BRACE1	PX	.005	.005	0	0
97	BRACE2	PX	.005	.005	0	0
98	BRACE3	PX	.005	.005	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP3B	PX	.005	.005	0	0
2	SUP3A	PX	.005	.005	0	0
3	SUP2B	PX	.005	.005	0	0
4	SUP2A	PX	.005	.005	0	0
5	SUP1B	PX	.005	.005	0	0
6	SUP1A	PX	.005	.005	0	0
7	SO3a	PX	.009	.009	0	0
8	SO2a	PX	.009	.009	0	0
9	SO1a	PX	.009	.009	0	0
10	PLATE12	PX	.015	.015	0	0
11	PLATE11	PX	.015	.015	0	0
12	PLATE10	PX	.015	.015	0	0
13	PLATE9	PX	.015	.015	0	0
14	PLATE8	PX	.015	.015	0	0
15	PLATE7	PX	.015	.015	0	0
16	PLATE6	PX	.015	.015	0	0
17	PLATE5	PX	.015	.015	0	0
18	PLATE4	PX	.015	.015	0	0
19	PLATE3	PX	.015	.015	0	0
20	PLATE2	PX	.015	.015	0	0
21	PLATE1	PX	.015	.015	0	0
22	MP GAMMA3	PX	.009	.009	0	0
23	MP GAMMA2	PX	.009	.009	0	0
24	MP GAMMA1	PX	.009	.009	0	0
25	MP BETA3	PX	.009	.009	0	0
26	MP BETA2	PX	.009	.009	0	0
27	MP BETA1	PX	.009	.009	0	0
28	MP ALPHA3	PX	.009	.009	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
29	MP ALPHA2	PX	.009	.009	0	0
30	MP ALPHA1	PX	.009	.009	0	0
31	FACE1A	PX	.009	.009	0	0
32	FACE2A	PX	.009	.009	0	0
33	FACE3A	PX	.009	.009	0	0
34	CR3B	PX	.005	.005	0	0
35	CR3A	PX	.005	.005	0	0
36	CR2B	PX	.005	.005	0	0
37	CR2A	PX	.005	.005	0	0
38	CR1B	PX	.005	.005	0	0
39	CR1A	PX	.005	.005	0	0
40	CORNER3	PX	.015	.015	0	0
41	CORNER2	PX	.015	.015	0	0
42	CORNER1	PX	.015	.015	0	0
43	MP ALPHA4	PX	.009	.009	0	0
44	RAIL1	PX	.006	.006	0	0
45	RAIL2	PX	.006	.006	0	0
46	RAIL3	PX	.006	.006	0	0
47	BRACE1	PX	.006	.006	0	0
48	BRACE2	PX	.006	.006	0	0
49	BRACE3	PX	.006	.006	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP3B	PY	-.003	-.003	0	0
2	SUP3A	PY	-.003	-.003	0	0
3	SUP2B	PY	-.003	-.003	0	0
4	SUP2A	PY	-.003	-.003	0	0
5	SUP1B	PY	-.003	-.003	0	0
6	SUP1A	PY	-.003	-.003	0	0
7	SO3a	PY	-.004	-.004	0	0
8	SO2a	PY	-.004	-.004	0	0
9	SO1a	PY	-.004	-.004	0	0
10	PLATE12	PY	-.008	-.008	0	0
11	PLATE11	PY	-.008	-.008	0	0
12	PLATE10	PY	-.008	-.008	0	0
13	PLATE9	PY	-.008	-.008	0	0
14	PLATE8	PY	-.008	-.008	0	0
15	PLATE7	PY	-.008	-.008	0	0
16	PLATE6	PY	-.008	-.008	0	0
17	PLATE5	PY	-.008	-.008	0	0
18	PLATE4	PY	-.008	-.008	0	0
19	PLATE3	PY	-.008	-.008	0	0
20	PLATE2	PY	-.008	-.008	0	0
21	PLATE1	PY	-.008	-.008	0	0
22	MP GAMMA3	PY	-.005	-.005	0	0
23	MP GAMMA2	PY	-.005	-.005	0	0
24	MP GAMMA1	PY	-.005	-.005	0	0
25	MP BETA3	PY	-.005	-.005	0	0
26	MP BETA2	PY	-.005	-.005	0	0
27	MP BETA1	PY	-.005	-.005	0	0
28	MP ALPHA3	PY	-.005	-.005	0	0
29	MP ALPHA2	PY	-.005	-.005	0	0
30	MP ALPHA1	PY	-.005	-.005	0	0
31	FACE1A	PY	-.004	-.004	0	0
32	FACE2A	PY	-.004	-.004	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
33	FACE3A	PY	-.004	-.004	0	0
34	CR3B	PY	-.003	-.003	0	0
35	CR3A	PY	-.003	-.003	0	0
36	CR2B	PY	-.003	-.003	0	0
37	CR2A	PY	-.003	-.003	0	0
38	CR1B	PY	-.003	-.003	0	0
39	CR1A	PY	-.003	-.003	0	0
40	CORNER3	PY	-.008	-.008	0	0
41	CORNER2	PY	-.008	-.008	0	0
42	CORNER1	PY	-.008	-.008	0	0
43	MP ALPHA4	PY	-.005	-.005	0	0
44	RAIL1	PY	-.003	-.003	0	0
45	RAIL2	PY	-.003	-.003	0	0
46	RAIL3	PY	-.003	-.003	0	0
47	BRACE1	PY	-.003	-.003	0	0
48	BRACE2	PY	-.003	-.003	0	0
49	BRACE3	PY	-.003	-.003	0	0
50	SUP3B	PX	.004	.004	0	0
51	SUP3A	PX	.004	.004	0	0
52	SUP2B	PX	.004	.004	0	0
53	SUP2A	PX	.004	.004	0	0
54	SUP1B	PX	.004	.004	0	0
55	SUP1A	PX	.004	.004	0	0
56	SO3a	PX	.008	.008	0	0
57	SO2a	PX	.008	.008	0	0
58	SO1a	PX	.008	.008	0	0
59	PLATE12	PX	.013	.013	0	0
60	PLATE11	PX	.013	.013	0	0
61	PLATE10	PX	.013	.013	0	0
62	PLATE9	PX	.013	.013	0	0
63	PLATE8	PX	.013	.013	0	0
64	PLATE7	PX	.013	.013	0	0
65	PLATE6	PX	.013	.013	0	0
66	PLATE5	PX	.013	.013	0	0
67	PLATE4	PX	.013	.013	0	0
68	PLATE3	PX	.013	.013	0	0
69	PLATE2	PX	.013	.013	0	0
70	PLATE1	PX	.013	.013	0	0
71	MP GAMMA3	PX	.008	.008	0	0
72	MP GAMMA2	PX	.008	.008	0	0
73	MP GAMMA1	PX	.008	.008	0	0
74	MP BETA3	PX	.008	.008	0	0
75	MP BETA2	PX	.008	.008	0	0
76	MP BETA1	PX	.008	.008	0	0
77	MP ALPHA3	PX	.008	.008	0	0
78	MP ALPHA2	PX	.008	.008	0	0
79	MP ALPHA1	PX	.008	.008	0	0
80	FACE1A	PX	.008	.008	0	0
81	FACE2A	PX	.008	.008	0	0
82	FACE3A	PX	.008	.008	0	0
83	CR3B	PX	.005	.005	0	0
84	CR3A	PX	.005	.005	0	0
85	CR2B	PX	.005	.005	0	0
86	CR2A	PX	.005	.005	0	0
87	CR1B	PX	.005	.005	0	0
88	CR1A	PX	.005	.005	0	0
89	CORNER3	PX	.013	.013	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
90	CORNER2	PX	.013	.013	0	0
91	CORNER1	PX	.013	.013	0	0
92	MP ALPHA4	PX	.008	.008	0	0
93	RAIL1	PX	.005	.005	0	0
94	RAIL2	PX	.005	.005	0	0
95	RAIL3	PX	.005	.005	0	0
96	BRACE1	PX	.005	.005	0	0
97	BRACE2	PX	.005	.005	0	0
98	BRACE3	PX	.005	.005	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP3B	PY	-.004	-.004	0	0
2	SUP3A	PY	-.004	-.004	0	0
3	SUP2B	PY	-.004	-.004	0	0
4	SUP2A	PY	-.004	-.004	0	0
5	SUP1B	PY	-.004	-.004	0	0
6	SUP1A	PY	-.004	-.004	0	0
7	SO3a	PY	-.008	-.008	0	0
8	SO2a	PY	-.008	-.008	0	0
9	SO1a	PY	-.008	-.008	0	0
10	PLATE12	PY	-.013	-.013	0	0
11	PLATE11	PY	-.013	-.013	0	0
12	PLATE10	PY	-.013	-.013	0	0
13	PLATE9	PY	-.013	-.013	0	0
14	PLATE8	PY	-.013	-.013	0	0
15	PLATE7	PY	-.013	-.013	0	0
16	PLATE6	PY	-.013	-.013	0	0
17	PLATE5	PY	-.013	-.013	0	0
18	PLATE4	PY	-.013	-.013	0	0
19	PLATE3	PY	-.013	-.013	0	0
20	PLATE2	PY	-.013	-.013	0	0
21	PLATE1	PY	-.013	-.013	0	0
22	MP GAMMA3	PY	-.008	-.008	0	0
23	MP GAMMA2	PY	-.008	-.008	0	0
24	MP GAMMA1	PY	-.008	-.008	0	0
25	MP BETA3	PY	-.008	-.008	0	0
26	MP BETA2	PY	-.008	-.008	0	0
27	MP BETA1	PY	-.008	-.008	0	0
28	MP ALPHA3	PY	-.008	-.008	0	0
29	MP ALPHA2	PY	-.008	-.008	0	0
30	MP ALPHA1	PY	-.008	-.008	0	0
31	FACE3A	PY	-.008	-.008	0	0
32	FACE2A	PY	-.008	-.008	0	0
33	FACE1A	PY	-.008	-.008	0	0
34	CR3B	PY	-.005	-.005	0	0
35	CR3A	PY	-.005	-.005	0	0
36	CR2B	PY	-.005	-.005	0	0
37	CR2A	PY	-.005	-.005	0	0
38	CR1B	PY	-.005	-.005	0	0
39	CR1A	PY	-.005	-.005	0	0
40	CORNER3	PY	-.013	-.013	0	0
41	CORNER2	PY	-.013	-.013	0	0
42	CORNER1	PY	-.013	-.013	0	0
43	MP ALPHA4	PY	-.008	-.008	0	0
44	RAIL3	PY	-.005	-.005	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
45	RAIL2	PY	-.005	-.005	0	0
46	RAIL1	PY	-.005	-.005	0	0
47	BRACE1	PY	-.005	-.005	0	0
48	BRACE2	PY	-.005	-.005	0	0
49	BRACE3	PY	-.005	-.005	0	0
50	SUP3B	PX	.003	.003	0	0
51	SUP3A	PX	.003	.003	0	0
52	SUP2B	PX	.003	.003	0	0
53	SUP2A	PX	.003	.003	0	0
54	SUP1B	PX	.003	.003	0	0
55	SUP1A	PX	.003	.003	0	0
56	SO3a	PX	.004	.004	0	0
57	SO2a	PX	.004	.004	0	0
58	SO1a	PX	.004	.004	0	0
59	PLATE12	PX	.008	.008	0	0
60	PLATE11	PX	.008	.008	0	0
61	PLATE10	PX	.008	.008	0	0
62	PLATE9	PX	.008	.008	0	0
63	PLATE8	PX	.008	.008	0	0
64	PLATE7	PX	.008	.008	0	0
65	PLATE6	PX	.008	.008	0	0
66	PLATE5	PX	.008	.008	0	0
67	PLATE4	PX	.008	.008	0	0
68	PLATE3	PX	.008	.008	0	0
69	PLATE2	PX	.008	.008	0	0
70	PLATE1	PX	.008	.008	0	0
71	MP GAMMA3	PX	.005	.005	0	0
72	MP GAMMA2	PX	.005	.005	0	0
73	MP GAMMA1	PX	.005	.005	0	0
74	MP BETA3	PX	.005	.005	0	0
75	MP BETA2	PX	.005	.005	0	0
76	MP BETA1	PX	.005	.005	0	0
77	MP ALPHA3	PX	.005	.005	0	0
78	MP ALPHA2	PX	.005	.005	0	0
79	MP ALPHA1	PX	.005	.005	0	0
80	FACE3A	PX	.004	.004	0	0
81	FACE2A	PX	.004	.004	0	0
82	FACE1A	PX	.004	.004	0	0
83	CR3B	PX	.003	.003	0	0
84	CR3A	PX	.003	.003	0	0
85	CR2B	PX	.003	.003	0	0
86	CR2A	PX	.003	.003	0	0
87	CR1B	PX	.003	.003	0	0
88	CR1A	PX	.003	.003	0	0
89	CORNER3	PX	.008	.008	0	0
90	CORNER2	PX	.008	.008	0	0
91	CORNER1	PX	.008	.008	0	0
92	MP ALPHA4	PX	.005	.005	0	0
93	RAIL3	PX	.003	.003	0	0
94	RAIL2	PX	.003	.003	0	0
95	RAIL1	PX	.003	.003	0	0
96	BRACE1	PX	.003	.003	0	0
97	BRACE2	PX	.003	.003	0	0
98	BRACE3	PX	.003	.003	0	0

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

Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP3B	PY	-.000336	-.000336	0	0
2	SUP3A	PY	-.000336	-.000336	0	0
3	SUP2B	PY	-.000336	-.000336	0	0
4	SUP2A	PY	-.000336	-.000336	0	0
5	SUP1B	PY	-.000336	-.000336	0	0
6	SUP1A	PY	-.000336	-.000336	0	0
7	SO3a	PY	-.000588	-.000588	0	0
8	SO2a	PY	-.000588	-.000588	0	0
9	SO1a	PY	-.000588	-.000588	0	0
10	PLATE12	PY	-.001	-.001	0	0
11	PLATE11	PY	-.001	-.001	0	0
12	PLATE10	PY	-.001	-.001	0	0
13	PLATE9	PY	-.001	-.001	0	0
14	PLATE8	PY	-.001	-.001	0	0
15	PLATE7	PY	-.001	-.001	0	0
16	PLATE6	PY	-.001	-.001	0	0
17	PLATE5	PY	-.001	-.001	0	0
18	PLATE4	PY	-.001	-.001	0	0
19	PLATE3	PY	-.001	-.001	0	0
20	PLATE2	PY	-.001	-.001	0	0
21	PLATE1	PY	-.001	-.001	0	0
22	MP GAMMA3	PY	-.000595	-.000595	0	0
23	MP GAMMA2	PY	-.000595	-.000595	0	0
24	MP GAMMA1	PY	-.000595	-.000595	0	0
25	MP BETA3	PY	-.000595	-.000595	0	0
26	MP BETA2	PY	-.000595	-.000595	0	0
27	MP BETA1	PY	-.000595	-.000595	0	0
28	MP ALPHA3	PY	-.000595	-.000595	0	0
29	MP ALPHA2	PY	-.000595	-.000595	0	0
30	MP ALPHA1	PY	-.000595	-.000595	0	0
31	FACE3A	PY	-.000588	-.000588	0	0
32	FACE2A	PY	-.000588	-.000588	0	0
33	FACE1A	PY	-.000588	-.000588	0	0
34	CR3B	PY	-.000346	-.000346	0	0
35	CR3A	PY	-.000346	-.000346	0	0
36	CR2B	PY	-.000346	-.000346	0	0
37	CR2A	PY	-.000346	-.000346	0	0
38	CR1B	PY	-.000346	-.000346	0	0
39	CR1A	PY	-.000346	-.000346	0	0
40	CORNER3	PY	-.001	-.001	0	0
41	CORNER2	PY	-.001	-.001	0	0
42	CORNER1	PY	-.001	-.001	0	0
43	MP ALPHA4	PY	-.000595	-.000595	0	0
44	RAIL3	PY	-.000399	-.000399	0	0
45	RAIL2	PY	-.000399	-.000399	0	0
46	RAIL1	PY	-.000399	-.000399	0	0
47	BRACE1	PY	-.000399	-.000399	0	0
48	BRACE2	PY	-.000399	-.000399	0	0
49	BRACE3	PY	-.000399	-.000399	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP3B	PY	-.000291	-.000291	0	0
2	SUP3A	PY	-.000291	-.000291	0	0
3	SUP2B	PY	-.000291	-.000291	0	0
4	SUP2A	PY	-.000291	-.000291	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
5	SUP1B	PY	-.000291	-.000291	0	0
6	SUP1A	PY	-.000291	-.000291	0	0
7	SO3a	PY	-.000509	-.000509	0	0
8	SO2a	PY	-.000509	-.000509	0	0
9	SO1a	PY	-.000509	-.000509	0	0
10	PLATE12	PY	-.000873	-.000873	0	0
11	PLATE11	PY	-.000873	-.000873	0	0
12	PLATE10	PY	-.000873	-.000873	0	0
13	PLATE9	PY	-.000873	-.000873	0	0
14	PLATE8	PY	-.000873	-.000873	0	0
15	PLATE7	PY	-.000873	-.000873	0	0
16	PLATE6	PY	-.000873	-.000873	0	0
17	PLATE5	PY	-.000873	-.000873	0	0
18	PLATE4	PY	-.000873	-.000873	0	0
19	PLATE3	PY	-.000873	-.000873	0	0
20	PLATE2	PY	-.000873	-.000873	0	0
21	PLATE1	PY	-.000873	-.000873	0	0
22	MP GAMMA3	PY	-.000516	-.000516	0	0
23	MP GAMMA2	PY	-.000516	-.000516	0	0
24	MP GAMMA1	PY	-.000516	-.000516	0	0
25	MP BETA3	PY	-.000516	-.000516	0	0
26	MP BETA2	PY	-.000516	-.000516	0	0
27	MP BETA1	PY	-.000516	-.000516	0	0
28	MP ALPHA3	PY	-.000516	-.000516	0	0
29	MP ALPHA2	PY	-.000516	-.000516	0	0
30	MP ALPHA1	PY	-.000516	-.000516	0	0
31	FACE3A	PY	-.000509	-.000509	0	0
32	FACE2A	PY	-.000509	-.000509	0	0
33	FACE1A	PY	-.000509	-.000509	0	0
34	CR3B	PY	-.0003	-.0003	0	0
35	CR3A	PY	-.0003	-.0003	0	0
36	CR2B	PY	-.0003	-.0003	0	0
37	CR2A	PY	-.0003	-.0003	0	0
38	CR1B	PY	-.0003	-.0003	0	0
39	CR1A	PY	-.0003	-.0003	0	0
40	CORNER3	PY	-.000873	-.000873	0	0
41	CORNER2	PY	-.000873	-.000873	0	0
42	CORNER1	PY	-.000873	-.000873	0	0
43	MP ALPHA4	PY	-.000516	-.000516	0	0
44	RAIL3	PY	-.000345	-.000345	0	0
45	RAIL2	PY	-.000345	-.000345	0	0
46	RAIL1	PY	-.000345	-.000345	0	0
47	BRACE1	PY	-.000345	-.000345	0	0
48	BRACE2	PY	-.000345	-.000345	0	0
49	BRACE3	PY	-.000345	-.000345	0	0
50	SUP3B	PX	-.000168	-.000168	0	0
51	SUP3A	PX	-.000168	-.000168	0	0
52	SUP2B	PX	-.000168	-.000168	0	0
53	SUP2A	PX	-.000168	-.000168	0	0
54	SUP1B	PX	-.000168	-.000168	0	0
55	SUP1A	PX	-.000168	-.000168	0	0
56	SO3a	PX	-.000294	-.000294	0	0
57	SO2a	PX	-.000294	-.000294	0	0
58	SO1a	PX	-.000294	-.000294	0	0
59	PLATE12	PX	-.000504	-.000504	0	0
60	PLATE11	PX	-.000504	-.000504	0	0
61	PLATE10	PX	-.000504	-.000504	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
62	PLATE9	PX	-.000504	-.000504	0	0
63	PLATE8	PX	-.000504	-.000504	0	0
64	PLATE7	PX	-.000504	-.000504	0	0
65	PLATE6	PX	-.000504	-.000504	0	0
66	PLATE5	PX	-.000504	-.000504	0	0
67	PLATE4	PX	-.000504	-.000504	0	0
68	PLATE3	PX	-.000504	-.000504	0	0
69	PLATE2	PX	-.000504	-.000504	0	0
70	PLATE1	PX	-.000504	-.000504	0	0
71	MP GAMMA3	PX	-.000298	-.000298	0	0
72	MP GAMMA2	PX	-.000298	-.000298	0	0
73	MP GAMMA1	PX	-.000298	-.000298	0	0
74	MP BETA3	PX	-.000298	-.000298	0	0
75	MP BETA2	PX	-.000298	-.000298	0	0
76	MP BETA1	PX	-.000298	-.000298	0	0
77	MP ALPHA3	PX	-.000298	-.000298	0	0
78	MP ALPHA2	PX	-.000298	-.000298	0	0
79	MP ALPHA1	PX	-.000298	-.000298	0	0
80	FACE3A	PX	-.000294	-.000294	0	0
81	FACE2A	PX	-.000294	-.000294	0	0
82	FACE1A	PX	-.000294	-.000294	0	0
83	CR3B	PX	-.000173	-.000173	0	0
84	CR3A	PX	-.000173	-.000173	0	0
85	CR2B	PX	-.000173	-.000173	0	0
86	CR2A	PX	-.000173	-.000173	0	0
87	CR1B	PX	-.000173	-.000173	0	0
88	CR1A	PX	-.000173	-.000173	0	0
89	CORNER3	PX	-.000504	-.000504	0	0
90	CORNER2	PX	-.000504	-.000504	0	0
91	CORNER1	PX	-.000504	-.000504	0	0
92	MP ALPHA4	PX	-.000298	-.000298	0	0
93	RAIL3	PX	-.000199	-.000199	0	0
94	RAIL2	PX	-.000199	-.000199	0	0
95	RAIL1	PX	-.000199	-.000199	0	0
96	BRACE1	PX	-.000199	-.000199	0	0
97	BRACE2	PX	-.000199	-.000199	0	0
98	BRACE3	PX	-.000199	-.000199	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP3B	PY	-.000168	-.000168	0	0
2	SUP3A	PY	-.000168	-.000168	0	0
3	SUP2B	PY	-.000168	-.000168	0	0
4	SUP2A	PY	-.000168	-.000168	0	0
5	SUP1B	PY	-.000168	-.000168	0	0
6	SUP1A	PY	-.000168	-.000168	0	0
7	SO3a	PY	-.000294	-.000294	0	0
8	SO2a	PY	-.000294	-.000294	0	0
9	SO1a	PY	-.000294	-.000294	0	0
10	PLATE12	PY	-.000504	-.000504	0	0
11	PLATE11	PY	-.000504	-.000504	0	0
12	PLATE10	PY	-.000504	-.000504	0	0
13	PLATE9	PY	-.000504	-.000504	0	0
14	PLATE8	PY	-.000504	-.000504	0	0
15	PLATE7	PY	-.000504	-.000504	0	0
16	PLATE6	PY	-.000504	-.000504	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
17	PLATE5	PY	-.000504	-.000504	0	0
18	PLATE4	PY	-.000504	-.000504	0	0
19	PLATE3	PY	-.000504	-.000504	0	0
20	PLATE2	PY	-.000504	-.000504	0	0
21	PLATE1	PY	-.000504	-.000504	0	0
22	MP GAMMA3	PY	-.000298	-.000298	0	0
23	MP GAMMA2	PY	-.000298	-.000298	0	0
24	MP GAMMA1	PY	-.000298	-.000298	0	0
25	MP BETA3	PY	-.000298	-.000298	0	0
26	MP BETA2	PY	-.000298	-.000298	0	0
27	MP BETA1	PY	-.000298	-.000298	0	0
28	MP ALPHA3	PY	-.000298	-.000298	0	0
29	MP ALPHA2	PY	-.000298	-.000298	0	0
30	MP ALPHA1	PY	-.000298	-.000298	0	0
31	FACE3A	PY	-.000294	-.000294	0	0
32	FACE2A	PY	-.000294	-.000294	0	0
33	FACE1A	PY	-.000294	-.000294	0	0
34	CR3B	PY	-.000173	-.000173	0	0
35	CR3A	PY	-.000173	-.000173	0	0
36	CR2B	PY	-.000173	-.000173	0	0
37	CR2A	PY	-.000173	-.000173	0	0
38	CR1B	PY	-.000173	-.000173	0	0
39	CR1A	PY	-.000173	-.000173	0	0
40	CORNER3	PY	-.000504	-.000504	0	0
41	CORNER2	PY	-.000504	-.000504	0	0
42	CORNER1	PY	-.000504	-.000504	0	0
43	MP ALPHA4	PY	-.000298	-.000298	0	0
44	RAIL3	PY	-.000199	-.000199	0	0
45	RAIL2	PY	-.000199	-.000199	0	0
46	RAIL1	PY	-.000199	-.000199	0	0
47	BRACE1	PY	-.000199	-.000199	0	0
48	BRACE2	PY	-.000199	-.000199	0	0
49	BRACE3	PY	-.000199	-.000199	0	0
50	SUP3B	PX	-.000291	-.000291	0	0
51	SUP3A	PX	-.000291	-.000291	0	0
52	SUP2B	PX	-.000291	-.000291	0	0
53	SUP2A	PX	-.000291	-.000291	0	0
54	SUP1B	PX	-.000291	-.000291	0	0
55	SUP1A	PX	-.000291	-.000291	0	0
56	SO3a	PX	-.000509	-.000509	0	0
57	SO2a	PX	-.000509	-.000509	0	0
58	SO1a	PX	-.000509	-.000509	0	0
59	PLATE12	PX	-.000873	-.000873	0	0
60	PLATE11	PX	-.000873	-.000873	0	0
61	PLATE10	PX	-.000873	-.000873	0	0
62	PLATE9	PX	-.000873	-.000873	0	0
63	PLATE8	PX	-.000873	-.000873	0	0
64	PLATE7	PX	-.000873	-.000873	0	0
65	PLATE6	PX	-.000873	-.000873	0	0
66	PLATE5	PX	-.000873	-.000873	0	0
67	PLATE4	PX	-.000873	-.000873	0	0
68	PLATE3	PX	-.000873	-.000873	0	0
69	PLATE2	PX	-.000873	-.000873	0	0
70	PLATE1	PX	-.000873	-.000873	0	0
71	MP GAMMA3	PX	-.000516	-.000516	0	0
72	MP GAMMA2	PX	-.000516	-.000516	0	0
73	MP GAMMA1	PX	-.000516	-.000516	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
74	MP BETA3	PX	-.000516	-.000516	0	0
75	MP BETA2	PX	-.000516	-.000516	0	0
76	MP BETA1	PX	-.000516	-.000516	0	0
77	MP ALPHA3	PX	-.000516	-.000516	0	0
78	MP ALPHA2	PX	-.000516	-.000516	0	0
79	MP ALPHA1	PX	-.000516	-.000516	0	0
80	FACE3A	PX	-.000509	-.000509	0	0
81	FACE2A	PX	-.000509	-.000509	0	0
82	FACE1A	PX	-.000509	-.000509	0	0
83	CR3B	PX	-.0003	-.0003	0	0
84	CR3A	PX	-.0003	-.0003	0	0
85	CR2B	PX	-.0003	-.0003	0	0
86	CR2A	PX	-.0003	-.0003	0	0
87	CR1B	PX	-.0003	-.0003	0	0
88	CR1A	PX	-.0003	-.0003	0	0
89	CORNER3	PX	-.000873	-.000873	0	0
90	CORNER2	PX	-.000873	-.000873	0	0
91	CORNER1	PX	-.000873	-.000873	0	0
92	MP ALPHA4	PX	-.000516	-.000516	0	0
93	RAIL3	PX	-.000345	-.000345	0	0
94	RAIL2	PX	-.000345	-.000345	0	0
95	RAIL1	PX	-.000345	-.000345	0	0
96	BRACE1	PX	-.000345	-.000345	0	0
97	BRACE2	PX	-.000345	-.000345	0	0
98	BRACE3	PX	-.000345	-.000345	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP3B	PX	-.000336	-.000336	0	0
2	SUP3A	PX	-.000336	-.000336	0	0
3	SUP2B	PX	-.000336	-.000336	0	0
4	SUP2A	PX	-.000336	-.000336	0	0
5	SUP1B	PX	-.000336	-.000336	0	0
6	SUP1A	PX	-.000336	-.000336	0	0
7	SO3a	PX	-.000588	-.000588	0	0
8	SO2a	PX	-.000588	-.000588	0	0
9	SO1a	PX	-.000588	-.000588	0	0
10	PLATE12	PX	-.001	-.001	0	0
11	PLATE11	PX	-.001	-.001	0	0
12	PLATE10	PX	-.001	-.001	0	0
13	PLATE9	PX	-.001	-.001	0	0
14	PLATE8	PX	-.001	-.001	0	0
15	PLATE7	PX	-.001	-.001	0	0
16	PLATE6	PX	-.001	-.001	0	0
17	PLATE5	PX	-.001	-.001	0	0
18	PLATE4	PX	-.001	-.001	0	0
19	PLATE3	PX	-.001	-.001	0	0
20	PLATE2	PX	-.001	-.001	0	0
21	PLATE1	PX	-.001	-.001	0	0
22	MP GAMMA3	PX	-.000595	-.000595	0	0
23	MP GAMMA2	PX	-.000595	-.000595	0	0
24	MP GAMMA1	PX	-.000595	-.000595	0	0
25	MP BETA3	PX	-.000595	-.000595	0	0
26	MP BETA2	PX	-.000595	-.000595	0	0
27	MP BETA1	PX	-.000595	-.000595	0	0
28	MP ALPHA3	PX	-.000595	-.000595	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
29	MP ALPHA2	PX	-.000595	-.000595	0	0
30	MP ALPHA1	PX	-.000595	-.000595	0	0
31	FACE1A	PX	-.000588	-.000588	0	0
32	FACE3A	PX	-.000588	-.000588	0	0
33	FACE2A	PX	-.000588	-.000588	0	0
34	CR3B	PX	-.000346	-.000346	0	0
35	CR3A	PX	-.000346	-.000346	0	0
36	CR2B	PX	-.000346	-.000346	0	0
37	CR2A	PX	-.000346	-.000346	0	0
38	CR1B	PX	-.000346	-.000346	0	0
39	CR1A	PX	-.000346	-.000346	0	0
40	CORNER3	PX	-.001	-.001	0	0
41	CORNER2	PX	-.001	-.001	0	0
42	CORNER1	PX	-.001	-.001	0	0
43	MP ALPHA4	PX	-.000595	-.000595	0	0
44	RAIL1	PX	-.000399	-.000399	0	0
45	RAIL3	PX	-.000399	-.000399	0	0
46	RAIL2	PX	-.000399	-.000399	0	0
47	BRACE1	PX	-.000399	-.000399	0	0
48	BRACE2	PX	-.000399	-.000399	0	0
49	BRACE3	PX	-.000399	-.000399	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP3B	PY	.000168	.000168	0	0
2	SUP3A	PY	.000168	.000168	0	0
3	SUP2B	PY	.000168	.000168	0	0
4	SUP2A	PY	.000168	.000168	0	0
5	SUP1B	PY	.000168	.000168	0	0
6	SUP1A	PY	.000168	.000168	0	0
7	SO3a	PY	.000294	.000294	0	0
8	SO2a	PY	.000294	.000294	0	0
9	SO1a	PY	.000294	.000294	0	0
10	PLATE12	PY	.000504	.000504	0	0
11	PLATE11	PY	.000504	.000504	0	0
12	PLATE10	PY	.000504	.000504	0	0
13	PLATE9	PY	.000504	.000504	0	0
14	PLATE8	PY	.000504	.000504	0	0
15	PLATE7	PY	.000504	.000504	0	0
16	PLATE6	PY	.000504	.000504	0	0
17	PLATE5	PY	.000504	.000504	0	0
18	PLATE4	PY	.000504	.000504	0	0
19	PLATE3	PY	.000504	.000504	0	0
20	PLATE2	PY	.000504	.000504	0	0
21	PLATE1	PY	.000504	.000504	0	0
22	MP GAMMA3	PY	.000298	.000298	0	0
23	MP GAMMA2	PY	.000298	.000298	0	0
24	MP GAMMA1	PY	.000298	.000298	0	0
25	MP BETA3	PY	.000298	.000298	0	0
26	MP BETA2	PY	.000298	.000298	0	0
27	MP BETA1	PY	.000298	.000298	0	0
28	MP ALPHA3	PY	.000298	.000298	0	0
29	MP ALPHA2	PY	.000298	.000298	0	0
30	MP ALPHA1	PY	.000298	.000298	0	0
31	FACE1A	PY	.000294	.000294	0	0
32	FACE3A	PY	.000294	.000294	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
33	FACE2A	PY	.000294	.000294	0	0
34	CR3B	PY	.000173	.000173	0	0
35	CR3A	PY	.000173	.000173	0	0
36	CR2B	PY	.000173	.000173	0	0
37	CR2A	PY	.000173	.000173	0	0
38	CR1B	PY	.000173	.000173	0	0
39	CR1A	PY	.000173	.000173	0	0
40	CORNER3	PY	.000504	.000504	0	0
41	CORNER2	PY	.000504	.000504	0	0
42	CORNER1	PY	.000504	.000504	0	0
43	MP ALPHA4	PY	.000298	.000298	0	0
44	RAIL1	PY	.000199	.000199	0	0
45	RAIL3	PY	.000199	.000199	0	0
46	RAIL2	PY	.000199	.000199	0	0
47	BRACE1	PY	.000199	.000199	0	0
48	BRACE2	PY	.000199	.000199	0	0
49	BRACE3	PY	.000199	.000199	0	0
50	SUP3B	PX	-.000291	-.000291	0	0
51	SUP3A	PX	-.000291	-.000291	0	0
52	SUP2B	PX	-.000291	-.000291	0	0
53	SUP2A	PX	-.000291	-.000291	0	0
54	SUP1B	PX	-.000291	-.000291	0	0
55	SUP1A	PX	-.000291	-.000291	0	0
56	SO3a	PX	-.000509	-.000509	0	0
57	SO2a	PX	-.000509	-.000509	0	0
58	SO1a	PX	-.000509	-.000509	0	0
59	PLATE12	PX	-.000873	-.000873	0	0
60	PLATE11	PX	-.000873	-.000873	0	0
61	PLATE10	PX	-.000873	-.000873	0	0
62	PLATE9	PX	-.000873	-.000873	0	0
63	PLATE8	PX	-.000873	-.000873	0	0
64	PLATE7	PX	-.000873	-.000873	0	0
65	PLATE6	PX	-.000873	-.000873	0	0
66	PLATE5	PX	-.000873	-.000873	0	0
67	PLATE4	PX	-.000873	-.000873	0	0
68	PLATE3	PX	-.000873	-.000873	0	0
69	PLATE2	PX	-.000873	-.000873	0	0
70	PLATE1	PX	-.000873	-.000873	0	0
71	MP GAMMA3	PX	-.000516	-.000516	0	0
72	MP GAMMA2	PX	-.000516	-.000516	0	0
73	MP GAMMA1	PX	-.000516	-.000516	0	0
74	MP BETA3	PX	-.000516	-.000516	0	0
75	MP BETA2	PX	-.000516	-.000516	0	0
76	MP BETA1	PX	-.000516	-.000516	0	0
77	MP ALPHA3	PX	-.000516	-.000516	0	0
78	MP ALPHA2	PX	-.000516	-.000516	0	0
79	MP ALPHA1	PX	-.000516	-.000516	0	0
80	FACE1A	PX	-.000509	-.000509	0	0
81	FACE3A	PX	-.000509	-.000509	0	0
82	FACE2A	PX	-.000509	-.000509	0	0
83	CR3B	PX	-.0003	-.0003	0	0
84	CR3A	PX	-.0003	-.0003	0	0
85	CR2B	PX	-.0003	-.0003	0	0
86	CR2A	PX	-.0003	-.0003	0	0
87	CR1B	PX	-.0003	-.0003	0	0
88	CR1A	PX	-.0003	-.0003	0	0
89	CORNER3	PX	-.000873	-.000873	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
90	CORNER2	PX	-.000873	-.000873	0	0
91	CORNER1	PX	-.000873	-.000873	0	0
92	MP ALPHA4	PX	-.000516	-.000516	0	0
93	RAIL1	PX	-.000345	-.000345	0	0
94	RAIL3	PX	-.000345	-.000345	0	0
95	RAIL2	PX	-.000345	-.000345	0	0
96	BRACE1	PX	-.000345	-.000345	0	0
97	BRACE2	PX	-.000345	-.000345	0	0
98	BRACE3	PX	-.000345	-.000345	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP3B	PY	.000291	.000291	0	0
2	SUP3A	PY	.000291	.000291	0	0
3	SUP2B	PY	.000291	.000291	0	0
4	SUP2A	PY	.000291	.000291	0	0
5	SUP1B	PY	.000291	.000291	0	0
6	SUP1A	PY	.000291	.000291	0	0
7	SO3a	PY	.000509	.000509	0	0
8	SO2a	PY	.000509	.000509	0	0
9	SO1a	PY	.000509	.000509	0	0
10	PLATE12	PY	.000873	.000873	0	0
11	PLATE11	PY	.000873	.000873	0	0
12	PLATE10	PY	.000873	.000873	0	0
13	PLATE9	PY	.000873	.000873	0	0
14	PLATE8	PY	.000873	.000873	0	0
15	PLATE7	PY	.000873	.000873	0	0
16	PLATE6	PY	.000873	.000873	0	0
17	PLATE5	PY	.000873	.000873	0	0
18	PLATE4	PY	.000873	.000873	0	0
19	PLATE3	PY	.000873	.000873	0	0
20	PLATE2	PY	.000873	.000873	0	0
21	PLATE1	PY	.000873	.000873	0	0
22	MP GAMMA3	PY	.000516	.000516	0	0
23	MP GAMMA2	PY	.000516	.000516	0	0
24	MP GAMMA1	PY	.000516	.000516	0	0
25	MP BETA3	PY	.000516	.000516	0	0
26	MP BETA2	PY	.000516	.000516	0	0
27	MP BETA1	PY	.000516	.000516	0	0
28	MP ALPHA3	PY	.000516	.000516	0	0
29	MP ALPHA2	PY	.000516	.000516	0	0
30	MP ALPHA1	PY	.000516	.000516	0	0
31	FACE1A	PY	.000509	.000509	0	0
32	FACE3A	PY	.000509	.000509	0	0
33	FACE2A	PY	.000509	.000509	0	0
34	CR3B	PY	.0003	.0003	0	0
35	CR3A	PY	.0003	.0003	0	0
36	CR2B	PY	.0003	.0003	0	0
37	CR2A	PY	.0003	.0003	0	0
38	CR1B	PY	.0003	.0003	0	0
39	CR1A	PY	.0003	.0003	0	0
40	CORNER3	PY	.000873	.000873	0	0
41	CORNER2	PY	.000873	.000873	0	0
42	CORNER1	PY	.000873	.000873	0	0
43	MP ALPHA4	PY	.000516	.000516	0	0
44	RAIL1	PY	.000345	.000345	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
45	RAIL3	PY	.000345	.000345	0	0
46	RAIL2	PY	.000345	.000345	0	0
47	BRACE1	PY	.000345	.000345	0	0
48	BRACE2	PY	.000345	.000345	0	0
49	BRACE3	PY	.000345	.000345	0	0
50	SUP3B	PX	-.000168	-.000168	0	0
51	SUP3A	PX	-.000168	-.000168	0	0
52	SUP2B	PX	-.000168	-.000168	0	0
53	SUP2A	PX	-.000168	-.000168	0	0
54	SUP1B	PX	-.000168	-.000168	0	0
55	SUP1A	PX	-.000168	-.000168	0	0
56	SO3a	PX	-.000294	-.000294	0	0
57	SO2a	PX	-.000294	-.000294	0	0
58	SO1a	PX	-.000294	-.000294	0	0
59	PLATE12	PX	-.000504	-.000504	0	0
60	PLATE11	PX	-.000504	-.000504	0	0
61	PLATE10	PX	-.000504	-.000504	0	0
62	PLATE9	PX	-.000504	-.000504	0	0
63	PLATE8	PX	-.000504	-.000504	0	0
64	PLATE7	PX	-.000504	-.000504	0	0
65	PLATE6	PX	-.000504	-.000504	0	0
66	PLATE5	PX	-.000504	-.000504	0	0
67	PLATE4	PX	-.000504	-.000504	0	0
68	PLATE3	PX	-.000504	-.000504	0	0
69	PLATE2	PX	-.000504	-.000504	0	0
70	PLATE1	PX	-.000504	-.000504	0	0
71	MP GAMMA3	PX	-.000298	-.000298	0	0
72	MP GAMMA2	PX	-.000298	-.000298	0	0
73	MP GAMMA1	PX	-.000298	-.000298	0	0
74	MP BETA3	PX	-.000298	-.000298	0	0
75	MP BETA2	PX	-.000298	-.000298	0	0
76	MP BETA1	PX	-.000298	-.000298	0	0
77	MP ALPHA3	PX	-.000298	-.000298	0	0
78	MP ALPHA2	PX	-.000298	-.000298	0	0
79	MP ALPHA1	PX	-.000298	-.000298	0	0
80	FACE1A	PX	-.000294	-.000294	0	0
81	FACE3A	PX	-.000294	-.000294	0	0
82	FACE2A	PX	-.000294	-.000294	0	0
83	CR3B	PX	-.000173	-.000173	0	0
84	CR3A	PX	-.000173	-.000173	0	0
85	CR2B	PX	-.000173	-.000173	0	0
86	CR2A	PX	-.000173	-.000173	0	0
87	CR1B	PX	-.000173	-.000173	0	0
88	CR1A	PX	-.000173	-.000173	0	0
89	CORNER3	PX	-.000504	-.000504	0	0
90	CORNER2	PX	-.000504	-.000504	0	0
91	CORNER1	PX	-.000504	-.000504	0	0
92	MP ALPHA4	PX	-.000298	-.000298	0	0
93	RAIL1	PX	-.000199	-.000199	0	0
94	RAIL3	PX	-.000199	-.000199	0	0
95	RAIL2	PX	-.000199	-.000199	0	0
96	BRACE1	PX	-.000199	-.000199	0	0
97	BRACE2	PX	-.000199	-.000199	0	0
98	BRACE3	PX	-.000199	-.000199	0	0

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

Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP3B	PY	.000336	.000336	0	0
2	SUP3A	PY	.000336	.000336	0	0
3	SUP2B	PY	.000336	.000336	0	0
4	SUP2A	PY	.000336	.000336	0	0
5	SUP1B	PY	.000336	.000336	0	0
6	SUP1A	PY	.000336	.000336	0	0
7	SO3a	PY	.000588	.000588	0	0
8	SO2a	PY	.000588	.000588	0	0
9	SO1a	PY	.000588	.000588	0	0
10	PLATE12	PY	.001	.001	0	0
11	PLATE11	PY	.001	.001	0	0
12	PLATE10	PY	.001	.001	0	0
13	PLATE9	PY	.001	.001	0	0
14	PLATE8	PY	.001	.001	0	0
15	PLATE7	PY	.001	.001	0	0
16	PLATE6	PY	.001	.001	0	0
17	PLATE5	PY	.001	.001	0	0
18	PLATE4	PY	.001	.001	0	0
19	PLATE3	PY	.001	.001	0	0
20	PLATE2	PY	.001	.001	0	0
21	PLATE1	PY	.001	.001	0	0
22	MP GAMMA3	PY	.000595	.000595	0	0
23	MP GAMMA2	PY	.000595	.000595	0	0
24	MP GAMMA1	PY	.000595	.000595	0	0
25	MP BETA3	PY	.000595	.000595	0	0
26	MP BETA2	PY	.000595	.000595	0	0
27	MP BETA1	PY	.000595	.000595	0	0
28	MP ALPHA3	PY	.000595	.000595	0	0
29	MP ALPHA2	PY	.000595	.000595	0	0
30	MP ALPHA1	PY	.000595	.000595	0	0
31	FACE1A	PY	.000588	.000588	0	0
32	FACE3A	PY	.000588	.000588	0	0
33	FACE2A	PY	.000588	.000588	0	0
34	CR3B	PY	.000346	.000346	0	0
35	CR3A	PY	.000346	.000346	0	0
36	CR2B	PY	.000346	.000346	0	0
37	CR2A	PY	.000346	.000346	0	0
38	CR1B	PY	.000346	.000346	0	0
39	CR1A	PY	.000346	.000346	0	0
40	CORNER3	PY	.001	.001	0	0
41	CORNER2	PY	.001	.001	0	0
42	CORNER1	PY	.001	.001	0	0
43	MP ALPHA4	PY	.000595	.000595	0	0
44	RAIL1	PY	.000399	.000399	0	0
45	RAIL3	PY	.000399	.000399	0	0
46	RAIL2	PY	.000399	.000399	0	0
47	BRACE1	PY	.000399	.000399	0	0
48	BRACE2	PY	.000399	.000399	0	0
49	BRACE3	PY	.000399	.000399	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP3B	PY	.000291	.000291	0	0
2	SUP3A	PY	.000291	.000291	0	0
3	SUP2B	PY	.000291	.000291	0	0
4	SUP2A	PY	.000291	.000291	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
5	SUP1B	PY	.000291	.000291	0	0
6	SUP1A	PY	.000291	.000291	0	0
7	SO3a	PY	.000509	.000509	0	0
8	SO2a	PY	.000509	.000509	0	0
9	SO1a	PY	.000509	.000509	0	0
10	PLATE12	PY	.000873	.000873	0	0
11	PLATE11	PY	.000873	.000873	0	0
12	PLATE10	PY	.000873	.000873	0	0
13	PLATE9	PY	.000873	.000873	0	0
14	PLATE8	PY	.000873	.000873	0	0
15	PLATE7	PY	.000873	.000873	0	0
16	PLATE6	PY	.000873	.000873	0	0
17	PLATE5	PY	.000873	.000873	0	0
18	PLATE4	PY	.000873	.000873	0	0
19	PLATE3	PY	.000873	.000873	0	0
20	PLATE2	PY	.000873	.000873	0	0
21	PLATE1	PY	.000873	.000873	0	0
22	MP GAMMA3	PY	.000516	.000516	0	0
23	MP GAMMA2	PY	.000516	.000516	0	0
24	MP GAMMA1	PY	.000516	.000516	0	0
25	MP BETA3	PY	.000516	.000516	0	0
26	MP BETA2	PY	.000516	.000516	0	0
27	MP BETA1	PY	.000516	.000516	0	0
28	MP ALPHA3	PY	.000516	.000516	0	0
29	MP ALPHA2	PY	.000516	.000516	0	0
30	MP ALPHA1	PY	.000516	.000516	0	0
31	FACE1A	PY	.000509	.000509	0	0
32	FACE2A	PY	.000509	.000509	0	0
33	FACE3A	PY	.000509	.000509	0	0
34	CR3B	PY	.0003	.0003	0	0
35	CR3A	PY	.0003	.0003	0	0
36	CR2B	PY	.0003	.0003	0	0
37	CR2A	PY	.0003	.0003	0	0
38	CR1B	PY	.0003	.0003	0	0
39	CR1A	PY	.0003	.0003	0	0
40	CORNER3	PY	.000873	.000873	0	0
41	CORNER2	PY	.000873	.000873	0	0
42	CORNER1	PY	.000873	.000873	0	0
43	MP ALPHA4	PY	.000516	.000516	0	0
44	RAIL1	PY	.000345	.000345	0	0
45	RAIL2	PY	.000345	.000345	0	0
46	RAIL3	PY	.000345	.000345	0	0
47	BRACE1	PY	.000345	.000345	0	0
48	BRACE2	PY	.000345	.000345	0	0
49	BRACE3	PY	.000345	.000345	0	0
50	SUP3B	PX	.000168	.000168	0	0
51	SUP3A	PX	.000168	.000168	0	0
52	SUP2B	PX	.000168	.000168	0	0
53	SUP2A	PX	.000168	.000168	0	0
54	SUP1B	PX	.000168	.000168	0	0
55	SUP1A	PX	.000168	.000168	0	0
56	SO3a	PX	.000294	.000294	0	0
57	SO2a	PX	.000294	.000294	0	0
58	SO1a	PX	.000294	.000294	0	0
59	PLATE12	PX	.000504	.000504	0	0
60	PLATE11	PX	.000504	.000504	0	0
61	PLATE10	PX	.000504	.000504	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
62	PLATE9	PX	.000504	.000504	0	0
63	PLATE8	PX	.000504	.000504	0	0
64	PLATE7	PX	.000504	.000504	0	0
65	PLATE6	PX	.000504	.000504	0	0
66	PLATE5	PX	.000504	.000504	0	0
67	PLATE4	PX	.000504	.000504	0	0
68	PLATE3	PX	.000504	.000504	0	0
69	PLATE2	PX	.000504	.000504	0	0
70	PLATE1	PX	.000504	.000504	0	0
71	MP GAMMA3	PX	.000298	.000298	0	0
72	MP GAMMA2	PX	.000298	.000298	0	0
73	MP GAMMA1	PX	.000298	.000298	0	0
74	MP BETA3	PX	.000298	.000298	0	0
75	MP BETA2	PX	.000298	.000298	0	0
76	MP BETA1	PX	.000298	.000298	0	0
77	MP ALPHA3	PX	.000298	.000298	0	0
78	MP ALPHA2	PX	.000298	.000298	0	0
79	MP ALPHA1	PX	.000298	.000298	0	0
80	FACE1A	PX	.000294	.000294	0	0
81	FACE2A	PX	.000294	.000294	0	0
82	FACE3A	PX	.000294	.000294	0	0
83	CR3B	PX	.000173	.000173	0	0
84	CR3A	PX	.000173	.000173	0	0
85	CR2B	PX	.000173	.000173	0	0
86	CR2A	PX	.000173	.000173	0	0
87	CR1B	PX	.000173	.000173	0	0
88	CR1A	PX	.000173	.000173	0	0
89	CORNER3	PX	.000504	.000504	0	0
90	CORNER2	PX	.000504	.000504	0	0
91	CORNER1	PX	.000504	.000504	0	0
92	MP ALPHA4	PX	.000298	.000298	0	0
93	RAIL1	PX	.000199	.000199	0	0
94	RAIL2	PX	.000199	.000199	0	0
95	RAIL3	PX	.000199	.000199	0	0
96	BRACE1	PX	.000199	.000199	0	0
97	BRACE2	PX	.000199	.000199	0	0
98	BRACE3	PX	.000199	.000199	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP3B	PY	.000168	.000168	0	0
2	SUP3A	PY	.000168	.000168	0	0
3	SUP2B	PY	.000168	.000168	0	0
4	SUP2A	PY	.000168	.000168	0	0
5	SUP1B	PY	.000168	.000168	0	0
6	SUP1A	PY	.000168	.000168	0	0
7	SO3a	PY	.000294	.000294	0	0
8	SO2a	PY	.000294	.000294	0	0
9	SO1a	PY	.000294	.000294	0	0
10	PLATE12	PY	.000504	.000504	0	0
11	PLATE11	PY	.000504	.000504	0	0
12	PLATE10	PY	.000504	.000504	0	0
13	PLATE9	PY	.000504	.000504	0	0
14	PLATE8	PY	.000504	.000504	0	0
15	PLATE7	PY	.000504	.000504	0	0
16	PLATE6	PY	.000504	.000504	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
17	PLATE5	PY	.000504	.000504	0	0
18	PLATE4	PY	.000504	.000504	0	0
19	PLATE3	PY	.000504	.000504	0	0
20	PLATE2	PY	.000504	.000504	0	0
21	PLATE1	PY	.000504	.000504	0	0
22	MP GAMMA3	PY	.000298	.000298	0	0
23	MP GAMMA2	PY	.000298	.000298	0	0
24	MP GAMMA1	PY	.000298	.000298	0	0
25	MP BETA3	PY	.000298	.000298	0	0
26	MP BETA2	PY	.000298	.000298	0	0
27	MP BETA1	PY	.000298	.000298	0	0
28	MP ALPHA3	PY	.000298	.000298	0	0
29	MP ALPHA2	PY	.000298	.000298	0	0
30	MP ALPHA1	PY	.000298	.000298	0	0
31	FACE1A	PY	.000294	.000294	0	0
32	FACE2A	PY	.000294	.000294	0	0
33	FACE3A	PY	.000294	.000294	0	0
34	CR3B	PY	.000173	.000173	0	0
35	CR3A	PY	.000173	.000173	0	0
36	CR2B	PY	.000173	.000173	0	0
37	CR2A	PY	.000173	.000173	0	0
38	CR1B	PY	.000173	.000173	0	0
39	CR1A	PY	.000173	.000173	0	0
40	CORNER3	PY	.000504	.000504	0	0
41	CORNER2	PY	.000504	.000504	0	0
42	CORNER1	PY	.000504	.000504	0	0
43	MP ALPHA4	PY	.000298	.000298	0	0
44	RAIL1	PY	.000199	.000199	0	0
45	RAIL2	PY	.000199	.000199	0	0
46	RAIL3	PY	.000199	.000199	0	0
47	BRACE1	PY	.000199	.000199	0	0
48	BRACE2	PY	.000199	.000199	0	0
49	BRACE3	PY	.000199	.000199	0	0
50	SUP3B	PX	.000291	.000291	0	0
51	SUP3A	PX	.000291	.000291	0	0
52	SUP2B	PX	.000291	.000291	0	0
53	SUP2A	PX	.000291	.000291	0	0
54	SUP1B	PX	.000291	.000291	0	0
55	SUP1A	PX	.000291	.000291	0	0
56	SO3a	PX	.000509	.000509	0	0
57	SO2a	PX	.000509	.000509	0	0
58	SO1a	PX	.000509	.000509	0	0
59	PLATE12	PX	.000873	.000873	0	0
60	PLATE11	PX	.000873	.000873	0	0
61	PLATE10	PX	.000873	.000873	0	0
62	PLATE9	PX	.000873	.000873	0	0
63	PLATE8	PX	.000873	.000873	0	0
64	PLATE7	PX	.000873	.000873	0	0
65	PLATE6	PX	.000873	.000873	0	0
66	PLATE5	PX	.000873	.000873	0	0
67	PLATE4	PX	.000873	.000873	0	0
68	PLATE3	PX	.000873	.000873	0	0
69	PLATE2	PX	.000873	.000873	0	0
70	PLATE1	PX	.000873	.000873	0	0
71	MP GAMMA3	PX	.000516	.000516	0	0
72	MP GAMMA2	PX	.000516	.000516	0	0
73	MP GAMMA1	PX	.000516	.000516	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
74	MP BETA3	PX	.000516	.000516	0	0
75	MP BETA2	PX	.000516	.000516	0	0
76	MP BETA1	PX	.000516	.000516	0	0
77	MP ALPHA3	PX	.000516	.000516	0	0
78	MP ALPHA2	PX	.000516	.000516	0	0
79	MP ALPHA1	PX	.000516	.000516	0	0
80	FACE1A	PX	.000509	.000509	0	0
81	FACE2A	PX	.000509	.000509	0	0
82	FACE3A	PX	.000509	.000509	0	0
83	CR3B	PX	.0003	.0003	0	0
84	CR3A	PX	.0003	.0003	0	0
85	CR2B	PX	.0003	.0003	0	0
86	CR2A	PX	.0003	.0003	0	0
87	CR1B	PX	.0003	.0003	0	0
88	CR1A	PX	.0003	.0003	0	0
89	CORNER3	PX	.000873	.000873	0	0
90	CORNER2	PX	.000873	.000873	0	0
91	CORNER1	PX	.000873	.000873	0	0
92	MP ALPHA4	PX	.000516	.000516	0	0
93	RAIL1	PX	.000345	.000345	0	0
94	RAIL2	PX	.000345	.000345	0	0
95	RAIL3	PX	.000345	.000345	0	0
96	BRACE1	PX	.000345	.000345	0	0
97	BRACE2	PX	.000345	.000345	0	0
98	BRACE3	PX	.000345	.000345	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP3B	PX	.000336	.000336	0	0
2	SUP3A	PX	.000336	.000336	0	0
3	SUP2B	PX	.000336	.000336	0	0
4	SUP2A	PX	.000336	.000336	0	0
5	SUP1B	PX	.000336	.000336	0	0
6	SUP1A	PX	.000336	.000336	0	0
7	SO3a	PX	.000588	.000588	0	0
8	SO2a	PX	.000588	.000588	0	0
9	SO1a	PX	.000588	.000588	0	0
10	PLATE12	PX	.001	.001	0	0
11	PLATE11	PX	.001	.001	0	0
12	PLATE10	PX	.001	.001	0	0
13	PLATE9	PX	.001	.001	0	0
14	PLATE8	PX	.001	.001	0	0
15	PLATE7	PX	.001	.001	0	0
16	PLATE6	PX	.001	.001	0	0
17	PLATE5	PX	.001	.001	0	0
18	PLATE4	PX	.001	.001	0	0
19	PLATE3	PX	.001	.001	0	0
20	PLATE2	PX	.001	.001	0	0
21	PLATE1	PX	.001	.001	0	0
22	MP GAMMA3	PX	.000595	.000595	0	0
23	MP GAMMA2	PX	.000595	.000595	0	0
24	MP GAMMA1	PX	.000595	.000595	0	0
25	MP BETA3	PX	.000595	.000595	0	0
26	MP BETA2	PX	.000595	.000595	0	0
27	MP BETA1	PX	.000595	.000595	0	0
28	MP ALPHA3	PX	.000595	.000595	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
29	MP ALPHA2	PX	.000595	.000595	0	0
30	MP ALPHA1	PX	.000595	.000595	0	0
31	FACE1A	PX	.000588	.000588	0	0
32	FACE2A	PX	.000588	.000588	0	0
33	FACE3A	PX	.000588	.000588	0	0
34	CR3B	PX	.000346	.000346	0	0
35	CR3A	PX	.000346	.000346	0	0
36	CR2B	PX	.000346	.000346	0	0
37	CR2A	PX	.000346	.000346	0	0
38	CR1B	PX	.000346	.000346	0	0
39	CR1A	PX	.000346	.000346	0	0
40	CORNER3	PX	.001	.001	0	0
41	CORNER2	PX	.001	.001	0	0
42	CORNER1	PX	.001	.001	0	0
43	MP ALPHA4	PX	.000595	.000595	0	0
44	RAIL1	PX	.000399	.000399	0	0
45	RAIL2	PX	.000399	.000399	0	0
46	RAIL3	PX	.000399	.000399	0	0
47	BRACE1	PX	.000399	.000399	0	0
48	BRACE2	PX	.000399	.000399	0	0
49	BRACE3	PX	.000399	.000399	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP3B	PY	-.000168	-.000168	0	0
2	SUP3A	PY	-.000168	-.000168	0	0
3	SUP2B	PY	-.000168	-.000168	0	0
4	SUP2A	PY	-.000168	-.000168	0	0
5	SUP1B	PY	-.000168	-.000168	0	0
6	SUP1A	PY	-.000168	-.000168	0	0
7	SO3a	PY	-.000294	-.000294	0	0
8	SO2a	PY	-.000294	-.000294	0	0
9	SO1a	PY	-.000294	-.000294	0	0
10	PLATE12	PY	-.000504	-.000504	0	0
11	PLATE11	PY	-.000504	-.000504	0	0
12	PLATE10	PY	-.000504	-.000504	0	0
13	PLATE9	PY	-.000504	-.000504	0	0
14	PLATE8	PY	-.000504	-.000504	0	0
15	PLATE7	PY	-.000504	-.000504	0	0
16	PLATE6	PY	-.000504	-.000504	0	0
17	PLATE5	PY	-.000504	-.000504	0	0
18	PLATE4	PY	-.000504	-.000504	0	0
19	PLATE3	PY	-.000504	-.000504	0	0
20	PLATE2	PY	-.000504	-.000504	0	0
21	PLATE1	PY	-.000504	-.000504	0	0
22	MP GAMMA3	PY	-.000298	-.000298	0	0
23	MP GAMMA2	PY	-.000298	-.000298	0	0
24	MP GAMMA1	PY	-.000298	-.000298	0	0
25	MP BETA3	PY	-.000298	-.000298	0	0
26	MP BETA2	PY	-.000298	-.000298	0	0
27	MP BETA1	PY	-.000298	-.000298	0	0
28	MP ALPHA3	PY	-.000298	-.000298	0	0
29	MP ALPHA2	PY	-.000298	-.000298	0	0
30	MP ALPHA1	PY	-.000298	-.000298	0	0
31	FACE1A	PY	-.000294	-.000294	0	0
32	FACE2A	PY	-.000294	-.000294	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
33	FACE3A	PY	-.000294	-.000294	0	0
34	CR3B	PY	-.000173	-.000173	0	0
35	CR3A	PY	-.000173	-.000173	0	0
36	CR2B	PY	-.000173	-.000173	0	0
37	CR2A	PY	-.000173	-.000173	0	0
38	CR1B	PY	-.000173	-.000173	0	0
39	CR1A	PY	-.000173	-.000173	0	0
40	CORNER3	PY	-.000504	-.000504	0	0
41	CORNER2	PY	-.000504	-.000504	0	0
42	CORNER1	PY	-.000504	-.000504	0	0
43	MP ALPHA4	PY	-.000298	-.000298	0	0
44	RAIL1	PY	-.000199	-.000199	0	0
45	RAIL2	PY	-.000199	-.000199	0	0
46	RAIL3	PY	-.000199	-.000199	0	0
47	BRACE1	PY	-.000199	-.000199	0	0
48	BRACE2	PY	-.000199	-.000199	0	0
49	BRACE3	PY	-.000199	-.000199	0	0
50	SUP3B	PX	.000291	.000291	0	0
51	SUP3A	PX	.000291	.000291	0	0
52	SUP2B	PX	.000291	.000291	0	0
53	SUP2A	PX	.000291	.000291	0	0
54	SUP1B	PX	.000291	.000291	0	0
55	SUP1A	PX	.000291	.000291	0	0
56	SO3a	PX	.000509	.000509	0	0
57	SO2a	PX	.000509	.000509	0	0
58	SO1a	PX	.000509	.000509	0	0
59	PLATE12	PX	.000873	.000873	0	0
60	PLATE11	PX	.000873	.000873	0	0
61	PLATE10	PX	.000873	.000873	0	0
62	PLATE9	PX	.000873	.000873	0	0
63	PLATE8	PX	.000873	.000873	0	0
64	PLATE7	PX	.000873	.000873	0	0
65	PLATE6	PX	.000873	.000873	0	0
66	PLATE5	PX	.000873	.000873	0	0
67	PLATE4	PX	.000873	.000873	0	0
68	PLATE3	PX	.000873	.000873	0	0
69	PLATE2	PX	.000873	.000873	0	0
70	PLATE1	PX	.000873	.000873	0	0
71	MP GAMMA3	PX	.000516	.000516	0	0
72	MP GAMMA2	PX	.000516	.000516	0	0
73	MP GAMMA1	PX	.000516	.000516	0	0
74	MP BETA3	PX	.000516	.000516	0	0
75	MP BETA2	PX	.000516	.000516	0	0
76	MP BETA1	PX	.000516	.000516	0	0
77	MP ALPHA3	PX	.000516	.000516	0	0
78	MP ALPHA2	PX	.000516	.000516	0	0
79	MP ALPHA1	PX	.000516	.000516	0	0
80	FACE1A	PX	.000509	.000509	0	0
81	FACE2A	PX	.000509	.000509	0	0
82	FACE3A	PX	.000509	.000509	0	0
83	CR3B	PX	.0003	.0003	0	0
84	CR3A	PX	.0003	.0003	0	0
85	CR2B	PX	.0003	.0003	0	0
86	CR2A	PX	.0003	.0003	0	0
87	CR1B	PX	.0003	.0003	0	0
88	CR1A	PX	.0003	.0003	0	0
89	CORNER3	PX	.000873	.000873	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
90	CORNER2	PX	.000873	.000873	0	0
91	CORNER1	PX	.000873	.000873	0	0
92	MP ALPHA4	PX	.000516	.000516	0	0
93	RAIL1	PX	.000345	.000345	0	0
94	RAIL2	PX	.000345	.000345	0	0
95	RAIL3	PX	.000345	.000345	0	0
96	BRACE1	PX	.000345	.000345	0	0
97	BRACE2	PX	.000345	.000345	0	0
98	BRACE3	PX	.000345	.000345	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP3B	PY	-.000291	-.000291	0	0
2	SUP3A	PY	-.000291	-.000291	0	0
3	SUP2B	PY	-.000291	-.000291	0	0
4	SUP2A	PY	-.000291	-.000291	0	0
5	SUP1B	PY	-.000291	-.000291	0	0
6	SUP1A	PY	-.000291	-.000291	0	0
7	SO3a	PY	-.000509	-.000509	0	0
8	SO2a	PY	-.000509	-.000509	0	0
9	SO1a	PY	-.000509	-.000509	0	0
10	PLATE12	PY	-.000873	-.000873	0	0
11	PLATE11	PY	-.000873	-.000873	0	0
12	PLATE10	PY	-.000873	-.000873	0	0
13	PLATE9	PY	-.000873	-.000873	0	0
14	PLATE8	PY	-.000873	-.000873	0	0
15	PLATE7	PY	-.000873	-.000873	0	0
16	PLATE6	PY	-.000873	-.000873	0	0
17	PLATE5	PY	-.000873	-.000873	0	0
18	PLATE4	PY	-.000873	-.000873	0	0
19	PLATE3	PY	-.000873	-.000873	0	0
20	PLATE2	PY	-.000873	-.000873	0	0
21	PLATE1	PY	-.000873	-.000873	0	0
22	MP GAMMA3	PY	-.000516	-.000516	0	0
23	MP GAMMA2	PY	-.000516	-.000516	0	0
24	MP GAMMA1	PY	-.000516	-.000516	0	0
25	MP BETA3	PY	-.000516	-.000516	0	0
26	MP BETA2	PY	-.000516	-.000516	0	0
27	MP BETA1	PY	-.000516	-.000516	0	0
28	MP ALPHA3	PY	-.000516	-.000516	0	0
29	MP ALPHA2	PY	-.000516	-.000516	0	0
30	MP ALPHA1	PY	-.000516	-.000516	0	0
31	FACE3A	PY	-.000509	-.000509	0	0
32	FACE2A	PY	-.000509	-.000509	0	0
33	FACE1A	PY	-.000509	-.000509	0	0
34	CR3B	PY	-.0003	-.0003	0	0
35	CR3A	PY	-.0003	-.0003	0	0
36	CR2B	PY	-.0003	-.0003	0	0
37	CR2A	PY	-.0003	-.0003	0	0
38	CR1B	PY	-.0003	-.0003	0	0
39	CR1A	PY	-.0003	-.0003	0	0
40	CORNER3	PY	-.000873	-.000873	0	0
41	CORNER2	PY	-.000873	-.000873	0	0
42	CORNER1	PY	-.000873	-.000873	0	0
43	MP ALPHA4	PY	-.000516	-.000516	0	0
44	RAIL3	PY	-.000345	-.000345	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
45	RAIL2	PY	-.000345	-.000345	0	0
46	RAIL1	PY	-.000345	-.000345	0	0
47	BRACE1	PY	-.000345	-.000345	0	0
48	BRACE2	PY	-.000345	-.000345	0	0
49	BRACE3	PY	-.000345	-.000345	0	0
50	SUP3B	PX	.000168	.000168	0	0
51	SUP3A	PX	.000168	.000168	0	0
52	SUP2B	PX	.000168	.000168	0	0
53	SUP2A	PX	.000168	.000168	0	0
54	SUP1B	PX	.000168	.000168	0	0
55	SUP1A	PX	.000168	.000168	0	0
56	SO3a	PX	.000294	.000294	0	0
57	SO2a	PX	.000294	.000294	0	0
58	SO1a	PX	.000294	.000294	0	0
59	PLATE12	PX	.000504	.000504	0	0
60	PLATE11	PX	.000504	.000504	0	0
61	PLATE10	PX	.000504	.000504	0	0
62	PLATE9	PX	.000504	.000504	0	0
63	PLATE8	PX	.000504	.000504	0	0
64	PLATE7	PX	.000504	.000504	0	0
65	PLATE6	PX	.000504	.000504	0	0
66	PLATE5	PX	.000504	.000504	0	0
67	PLATE4	PX	.000504	.000504	0	0
68	PLATE3	PX	.000504	.000504	0	0
69	PLATE2	PX	.000504	.000504	0	0
70	PLATE1	PX	.000504	.000504	0	0
71	MP GAMMA3	PX	.000298	.000298	0	0
72	MP GAMMA2	PX	.000298	.000298	0	0
73	MP GAMMA1	PX	.000298	.000298	0	0
74	MP BETA3	PX	.000298	.000298	0	0
75	MP BETA2	PX	.000298	.000298	0	0
76	MP BETA1	PX	.000298	.000298	0	0
77	MP ALPHA3	PX	.000298	.000298	0	0
78	MP ALPHA2	PX	.000298	.000298	0	0
79	MP ALPHA1	PX	.000298	.000298	0	0
80	FACE3A	PX	.000294	.000294	0	0
81	FACE2A	PX	.000294	.000294	0	0
82	FACE1A	PX	.000294	.000294	0	0
83	CR3B	PX	.000173	.000173	0	0
84	CR3A	PX	.000173	.000173	0	0
85	CR2B	PX	.000173	.000173	0	0
86	CR2A	PX	.000173	.000173	0	0
87	CR1B	PX	.000173	.000173	0	0
88	CR1A	PX	.000173	.000173	0	0
89	CORNER3	PX	.000504	.000504	0	0
90	CORNER2	PX	.000504	.000504	0	0
91	CORNER1	PX	.000504	.000504	0	0
92	MP ALPHA4	PX	.000298	.000298	0	0
93	RAIL3	PX	.000199	.000199	0	0
94	RAIL2	PX	.000199	.000199	0	0
95	RAIL1	PX	.000199	.000199	0	0
96	BRACE1	PX	.000199	.000199	0	0
97	BRACE2	PX	.000199	.000199	0	0
98	BRACE3	PX	.000199	.000199	0	0

Member Distributed Loads (BLC 27 : Ice Dead Load)

Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP3B	Z	-.005	-.005	0	0
2	SUP3A	Z	-.005	-.005	0	0
3	SUP2B	Z	-.005	-.005	0	0
4	SUP2A	Z	-.005	-.005	0	0
5	SUP1B	Z	-.005	-.005	0	0
6	SUP1A	Z	-.005	-.005	0	0
7	SO3a	Z	-.006	-.006	0	0
8	SO2a	Z	-.006	-.006	0	0
9	SO1a	Z	-.006	-.006	0	0
10	PLATE12	Z	-.008	-.008	0	0
11	PLATE11	Z	-.008	-.008	0	0
12	PLATE10	Z	-.008	-.008	0	0
13	PLATE9	Z	-.008	-.008	0	0
14	PLATE8	Z	-.008	-.008	0	0
15	PLATE7	Z	-.008	-.008	0	0
16	PLATE6	Z	-.008	-.008	0	0
17	PLATE5	Z	-.008	-.008	0	0
18	PLATE4	Z	-.008	-.008	0	0
19	PLATE3	Z	-.008	-.008	0	0
20	PLATE2	Z	-.008	-.008	0	0
21	PLATE1	Z	-.008	-.008	0	0
22	MP GAMMA3	Z	-.005	-.005	0	0
23	MP GAMMA2	Z	-.005	-.005	0	0
24	MP GAMMA1	Z	-.005	-.005	0	0
25	MP BETA3	Z	-.005	-.005	0	0
26	MP BETA2	Z	-.005	-.005	0	0
27	MP BETA1	Z	-.005	-.005	0	0
28	MP ALPHA3	Z	-.005	-.005	0	0
29	MP ALPHA2	Z	-.005	-.005	0	0
30	MP ALPHA1	Z	-.005	-.005	0	0
31	FACE3A	Z	-.006	-.006	0	0
32	FACE2A	Z	-.006	-.006	0	0
33	FACE1A	Z	-.006	-.006	0	0
34	CR3B	Z	-.009	-.009	0	0
35	CR3A	Z	-.009	-.009	0	0
36	CR2B	Z	-.009	-.009	0	0
37	CR2A	Z	-.009	-.009	0	0
38	CR1B	Z	-.009	-.009	0	0
39	CR1A	Z	-.009	-.009	0	0
40	CORNER3	Z	-.008	-.008	0	0
41	CORNER2	Z	-.008	-.008	0	0
42	CORNER1	Z	-.008	-.008	0	0
43	MP ALPHA4	Z	-.005	-.005	0	0
44	RAIL3	Z	-.005	-.005	0	0
45	RAIL2	Z	-.005	-.005	0	0
46	RAIL1	Z	-.005	-.005	0	0
47	BRACE1	Z	-.005	-.005	0	0
48	BRACE2	Z	-.005	-.005	0	0
49	BRACE3	Z	-.005	-.005	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP3B	PY	-.002	-.002	0	0
2	SUP3A	PY	-.002	-.002	0	0
3	SUP2B	PY	-.002	-.002	0	0
4	SUP2A	PY	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
5	SUP1B	PY	-.002	-.002	0	0
6	SUP1A	PY	-.002	-.002	0	0
7	SO3a	PY	-.003	-.003	0	0
8	SO2a	PY	-.003	-.003	0	0
9	SO1a	PY	-.003	-.003	0	0
10	PLATE12	PY	-.004	-.004	0	0
11	PLATE11	PY	-.004	-.004	0	0
12	PLATE10	PY	-.004	-.004	0	0
13	PLATE9	PY	-.004	-.004	0	0
14	PLATE8	PY	-.004	-.004	0	0
15	PLATE7	PY	-.004	-.004	0	0
16	PLATE6	PY	-.004	-.004	0	0
17	PLATE5	PY	-.004	-.004	0	0
18	PLATE4	PY	-.004	-.004	0	0
19	PLATE3	PY	-.004	-.004	0	0
20	PLATE2	PY	-.004	-.004	0	0
21	PLATE1	PY	-.004	-.004	0	0
22	MP GAMMA3	PY	-.003	-.003	0	0
23	MP GAMMA2	PY	-.003	-.003	0	0
24	MP GAMMA1	PY	-.003	-.003	0	0
25	MP BETA3	PY	-.003	-.003	0	0
26	MP BETA2	PY	-.003	-.003	0	0
27	MP BETA1	PY	-.003	-.003	0	0
28	MP ALPHA3	PY	-.003	-.003	0	0
29	MP ALPHA2	PY	-.003	-.003	0	0
30	MP ALPHA1	PY	-.003	-.003	0	0
31	FACE3A	PY	-.003	-.003	0	0
32	FACE2A	PY	-.003	-.003	0	0
33	FACE1A	PY	-.003	-.003	0	0
34	CR3B	PY	-.002	-.002	0	0
35	CR3A	PY	-.002	-.002	0	0
36	CR2B	PY	-.002	-.002	0	0
37	CR2A	PY	-.002	-.002	0	0
38	CR1B	PY	-.002	-.002	0	0
39	CR1A	PY	-.002	-.002	0	0
40	CORNER3	PY	-.004	-.004	0	0
41	CORNER2	PY	-.004	-.004	0	0
42	CORNER1	PY	-.004	-.004	0	0
43	MP ALPHA4	PY	-.003	-.003	0	0
44	RAIL3	PY	-.002	-.002	0	0
45	RAIL2	PY	-.002	-.002	0	0
46	RAIL1	PY	-.002	-.002	0	0
47	BRACE1	PY	-.002	-.002	0	0
48	BRACE2	PY	-.002	-.002	0	0
49	BRACE3	PY	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP3B	PY	-.002	-.002	0	0
2	SUP3A	PY	-.002	-.002	0	0
3	SUP2B	PY	-.002	-.002	0	0
4	SUP2A	PY	-.002	-.002	0	0
5	SUP1B	PY	-.002	-.002	0	0
6	SUP1A	PY	-.002	-.002	0	0
7	SO3a	PY	-.002	-.002	0	0
8	SO2a	PY	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
9	SO1a	PY	-.002	-.002	0	0
10	PLATE12	PY	-.003	-.003	0	0
11	PLATE11	PY	-.003	-.003	0	0
12	PLATE10	PY	-.003	-.003	0	0
13	PLATE9	PY	-.003	-.003	0	0
14	PLATE8	PY	-.003	-.003	0	0
15	PLATE7	PY	-.003	-.003	0	0
16	PLATE6	PY	-.003	-.003	0	0
17	PLATE5	PY	-.003	-.003	0	0
18	PLATE4	PY	-.003	-.003	0	0
19	PLATE3	PY	-.003	-.003	0	0
20	PLATE2	PY	-.003	-.003	0	0
21	PLATE1	PY	-.003	-.003	0	0
22	MP GAMMA3	PY	-.003	-.003	0	0
23	MP GAMMA2	PY	-.003	-.003	0	0
24	MP GAMMA1	PY	-.003	-.003	0	0
25	MP BETA3	PY	-.003	-.003	0	0
26	MP BETA2	PY	-.003	-.003	0	0
27	MP BETA1	PY	-.003	-.003	0	0
28	MP ALPHA3	PY	-.003	-.003	0	0
29	MP ALPHA2	PY	-.003	-.003	0	0
30	MP ALPHA1	PY	-.003	-.003	0	0
31	FACE3A	PY	-.002	-.002	0	0
32	FACE2A	PY	-.002	-.002	0	0
33	FACE1A	PY	-.002	-.002	0	0
34	CR3B	PY	-.002	-.002	0	0
35	CR3A	PY	-.002	-.002	0	0
36	CR2B	PY	-.002	-.002	0	0
37	CR2A	PY	-.002	-.002	0	0
38	CR1B	PY	-.002	-.002	0	0
39	CR1A	PY	-.002	-.002	0	0
40	CORNER3	PY	-.003	-.003	0	0
41	CORNER2	PY	-.003	-.003	0	0
42	CORNER1	PY	-.003	-.003	0	0
43	MP ALPHA4	PY	-.003	-.003	0	0
44	RAIL3	PY	-.002	-.002	0	0
45	RAIL2	PY	-.002	-.002	0	0
46	RAIL1	PY	-.002	-.002	0	0
47	BRACE1	PY	-.002	-.002	0	0
48	BRACE2	PY	-.002	-.002	0	0
49	BRACE3	PY	-.002	-.002	0	0
50	SUP3B	PX	-.000993	-.000993	0	0
51	SUP3A	PX	-.000993	-.000993	0	0
52	SUP2B	PX	-.000993	-.000993	0	0
53	SUP2A	PX	-.000993	-.000993	0	0
54	SUP1B	PX	-.000993	-.000993	0	0
55	SUP1A	PX	-.000993	-.000993	0	0
56	SO3a	PX	-.001	-.001	0	0
57	SO2a	PX	-.001	-.001	0	0
58	SO1a	PX	-.001	-.001	0	0
59	PLATE12	PX	-.002	-.002	0	0
60	PLATE11	PX	-.002	-.002	0	0
61	PLATE10	PX	-.002	-.002	0	0
62	PLATE9	PX	-.002	-.002	0	0
63	PLATE8	PX	-.002	-.002	0	0
64	PLATE7	PX	-.002	-.002	0	0
65	PLATE6	PX	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
66	PLATE5	PX	-.002	-.002	0	0
67	PLATE4	PX	-.002	-.002	0	0
68	PLATE3	PX	-.002	-.002	0	0
69	PLATE2	PX	-.002	-.002	0	0
70	PLATE1	PX	-.002	-.002	0	0
71	MP GAMMA3	PX	-.002	-.002	0	0
72	MP GAMMA2	PX	-.002	-.002	0	0
73	MP GAMMA1	PX	-.002	-.002	0	0
74	MP BETA3	PX	-.002	-.002	0	0
75	MP BETA2	PX	-.002	-.002	0	0
76	MP BETA1	PX	-.002	-.002	0	0
77	MP ALPHA3	PX	-.002	-.002	0	0
78	MP ALPHA2	PX	-.002	-.002	0	0
79	MP ALPHA1	PX	-.002	-.002	0	0
80	FACE3A	PX	-.001	-.001	0	0
81	FACE2A	PX	-.001	-.001	0	0
82	FACE1A	PX	-.001	-.001	0	0
83	CR3B	PX	-.001	-.001	0	0
84	CR3A	PX	-.001	-.001	0	0
85	CR2B	PX	-.001	-.001	0	0
86	CR2A	PX	-.001	-.001	0	0
87	CR1B	PX	-.001	-.001	0	0
88	CR1A	PX	-.001	-.001	0	0
89	CORNER3	PX	-.002	-.002	0	0
90	CORNER2	PX	-.002	-.002	0	0
91	CORNER1	PX	-.002	-.002	0	0
92	MP ALPHA4	PX	-.002	-.002	0	0
93	RAIL3	PX	-.001	-.001	0	0
94	RAIL2	PX	-.001	-.001	0	0
95	RAIL1	PX	-.001	-.001	0	0
96	BRACE1	PX	-.001	-.001	0	0
97	BRACE2	PX	-.001	-.001	0	0
98	BRACE3	PX	-.001	-.001	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP3B	PY	-.000993	-.000993	0	0
2	SUP3A	PY	-.000993	-.000993	0	0
3	SUP2B	PY	-.000993	-.000993	0	0
4	SUP2A	PY	-.000993	-.000993	0	0
5	SUP1B	PY	-.000993	-.000993	0	0
6	SUP1A	PY	-.000993	-.000993	0	0
7	SO3a	PY	-.001	-.001	0	0
8	SO2a	PY	-.001	-.001	0	0
9	SO1a	PY	-.001	-.001	0	0
10	PLATE12	PY	-.002	-.002	0	0
11	PLATE11	PY	-.002	-.002	0	0
12	PLATE10	PY	-.002	-.002	0	0
13	PLATE9	PY	-.002	-.002	0	0
14	PLATE8	PY	-.002	-.002	0	0
15	PLATE7	PY	-.002	-.002	0	0
16	PLATE6	PY	-.002	-.002	0	0
17	PLATE5	PY	-.002	-.002	0	0
18	PLATE4	PY	-.002	-.002	0	0
19	PLATE3	PY	-.002	-.002	0	0
20	PLATE2	PY	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
21	PLATE1	PY	-.002	-.002	0	0
22	MP GAMMA3	PY	-.002	-.002	0	0
23	MP GAMMA2	PY	-.002	-.002	0	0
24	MP GAMMA1	PY	-.002	-.002	0	0
25	MP BETA3	PY	-.002	-.002	0	0
26	MP BETA2	PY	-.002	-.002	0	0
27	MP BETA1	PY	-.002	-.002	0	0
28	MP ALPHA3	PY	-.002	-.002	0	0
29	MP ALPHA2	PY	-.002	-.002	0	0
30	MP ALPHA1	PY	-.002	-.002	0	0
31	FACE3A	PY	-.001	-.001	0	0
32	FACE2A	PY	-.001	-.001	0	0
33	FACE1A	PY	-.001	-.001	0	0
34	CR3B	PY	-.001	-.001	0	0
35	CR3A	PY	-.001	-.001	0	0
36	CR2B	PY	-.001	-.001	0	0
37	CR2A	PY	-.001	-.001	0	0
38	CR1B	PY	-.001	-.001	0	0
39	CR1A	PY	-.001	-.001	0	0
40	CORNER3	PY	-.002	-.002	0	0
41	CORNER2	PY	-.002	-.002	0	0
42	CORNER1	PY	-.002	-.002	0	0
43	MP ALPHA4	PY	-.002	-.002	0	0
44	RAIL3	PY	-.001	-.001	0	0
45	RAIL2	PY	-.001	-.001	0	0
46	RAIL1	PY	-.001	-.001	0	0
47	BRACE1	PY	-.001	-.001	0	0
48	BRACE2	PY	-.001	-.001	0	0
49	BRACE3	PY	-.001	-.001	0	0
50	SUP3B	PX	-.002	-.002	0	0
51	SUP3A	PX	-.002	-.002	0	0
52	SUP2B	PX	-.002	-.002	0	0
53	SUP2A	PX	-.002	-.002	0	0
54	SUP1B	PX	-.002	-.002	0	0
55	SUP1A	PX	-.002	-.002	0	0
56	SO3a	PX	-.002	-.002	0	0
57	SO2a	PX	-.002	-.002	0	0
58	SO1a	PX	-.002	-.002	0	0
59	PLATE12	PX	-.003	-.003	0	0
60	PLATE11	PX	-.003	-.003	0	0
61	PLATE10	PX	-.003	-.003	0	0
62	PLATE9	PX	-.003	-.003	0	0
63	PLATE8	PX	-.003	-.003	0	0
64	PLATE7	PX	-.003	-.003	0	0
65	PLATE6	PX	-.003	-.003	0	0
66	PLATE5	PX	-.003	-.003	0	0
67	PLATE4	PX	-.003	-.003	0	0
68	PLATE3	PX	-.003	-.003	0	0
69	PLATE2	PX	-.003	-.003	0	0
70	PLATE1	PX	-.003	-.003	0	0
71	MP GAMMA3	PX	-.003	-.003	0	0
72	MP GAMMA2	PX	-.003	-.003	0	0
73	MP GAMMA1	PX	-.003	-.003	0	0
74	MP BETA3	PX	-.003	-.003	0	0
75	MP BETA2	PX	-.003	-.003	0	0
76	MP BETA1	PX	-.003	-.003	0	0
77	MP ALPHA3	PX	-.003	-.003	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
78	MP ALPHA2	PX	-.003	-.003	0	0
79	MP ALPHA1	PX	-.003	-.003	0	0
80	FACE3A	PX	-.002	-.002	0	0
81	FACE2A	PX	-.002	-.002	0	0
82	FACE1A	PX	-.002	-.002	0	0
83	CR3B	PX	-.002	-.002	0	0
84	CR3A	PX	-.002	-.002	0	0
85	CR2B	PX	-.002	-.002	0	0
86	CR2A	PX	-.002	-.002	0	0
87	CR1B	PX	-.002	-.002	0	0
88	CR1A	PX	-.002	-.002	0	0
89	CORNER3	PX	-.003	-.003	0	0
90	CORNER2	PX	-.003	-.003	0	0
91	CORNER1	PX	-.003	-.003	0	0
92	MP ALPHA4	PX	-.003	-.003	0	0
93	RAIL3	PX	-.002	-.002	0	0
94	RAIL2	PX	-.002	-.002	0	0
95	RAIL1	PX	-.002	-.002	0	0
96	BRACE1	PX	-.002	-.002	0	0
97	BRACE2	PX	-.002	-.002	0	0
98	BRACE3	PX	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP3B	PX	-.002	-.002	0	0
2	SUP3A	PX	-.002	-.002	0	0
3	SUP2B	PX	-.002	-.002	0	0
4	SUP2A	PX	-.002	-.002	0	0
5	SUP1B	PX	-.002	-.002	0	0
6	SUP1A	PX	-.002	-.002	0	0
7	SO3a	PX	-.003	-.003	0	0
8	SO2a	PX	-.003	-.003	0	0
9	SO1a	PX	-.003	-.003	0	0
10	PLATE12	PX	-.004	-.004	0	0
11	PLATE11	PX	-.004	-.004	0	0
12	PLATE10	PX	-.004	-.004	0	0
13	PLATE9	PX	-.004	-.004	0	0
14	PLATE8	PX	-.004	-.004	0	0
15	PLATE7	PX	-.004	-.004	0	0
16	PLATE6	PX	-.004	-.004	0	0
17	PLATE5	PX	-.004	-.004	0	0
18	PLATE4	PX	-.004	-.004	0	0
19	PLATE3	PX	-.004	-.004	0	0
20	PLATE2	PX	-.004	-.004	0	0
21	PLATE1	PX	-.004	-.004	0	0
22	MP GAMMA3	PX	-.003	-.003	0	0
23	MP GAMMA2	PX	-.003	-.003	0	0
24	MP GAMMA1	PX	-.003	-.003	0	0
25	MP BETA3	PX	-.003	-.003	0	0
26	MP BETA2	PX	-.003	-.003	0	0
27	MP BETA1	PX	-.003	-.003	0	0
28	MP ALPHA3	PX	-.003	-.003	0	0
29	MP ALPHA2	PX	-.003	-.003	0	0
30	MP ALPHA1	PX	-.003	-.003	0	0
31	FACE1A	PX	-.003	-.003	0	0
32	FACE3A	PX	-.003	-.003	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
33	FACE2A	PX	-.003	-.003	0	0
34	CR3B	PX	-.002	-.002	0	0
35	CR3A	PX	-.002	-.002	0	0
36	CR2B	PX	-.002	-.002	0	0
37	CR2A	PX	-.002	-.002	0	0
38	CR1B	PX	-.002	-.002	0	0
39	CR1A	PX	-.002	-.002	0	0
40	CORNER3	PX	-.004	-.004	0	0
41	CORNER2	PX	-.004	-.004	0	0
42	CORNER1	PX	-.004	-.004	0	0
43	MP ALPHA4	PX	-.003	-.003	0	0
44	RAIL1	PX	-.002	-.002	0	0
45	RAIL3	PX	-.002	-.002	0	0
46	RAIL2	PX	-.002	-.002	0	0
47	BRACE1	PX	-.002	-.002	0	0
48	BRACE2	PX	-.002	-.002	0	0
49	BRACE3	PX	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP3B	PY	.000993	.000993	0	0
2	SUP3A	PY	.000993	.000993	0	0
3	SUP2B	PY	.000993	.000993	0	0
4	SUP2A	PY	.000993	.000993	0	0
5	SUP1B	PY	.000993	.000993	0	0
6	SUP1A	PY	.000993	.000993	0	0
7	SO3a	PY	.001	.001	0	0
8	SO2a	PY	.001	.001	0	0
9	SO1a	PY	.001	.001	0	0
10	PLATE12	PY	.002	.002	0	0
11	PLATE11	PY	.002	.002	0	0
12	PLATE10	PY	.002	.002	0	0
13	PLATE9	PY	.002	.002	0	0
14	PLATE8	PY	.002	.002	0	0
15	PLATE7	PY	.002	.002	0	0
16	PLATE6	PY	.002	.002	0	0
17	PLATE5	PY	.002	.002	0	0
18	PLATE4	PY	.002	.002	0	0
19	PLATE3	PY	.002	.002	0	0
20	PLATE2	PY	.002	.002	0	0
21	PLATE1	PY	.002	.002	0	0
22	MP GAMMA3	PY	.002	.002	0	0
23	MP GAMMA2	PY	.002	.002	0	0
24	MP GAMMA1	PY	.002	.002	0	0
25	MP BETA3	PY	.002	.002	0	0
26	MP BETA2	PY	.002	.002	0	0
27	MP BETA1	PY	.002	.002	0	0
28	MP ALPHA3	PY	.002	.002	0	0
29	MP ALPHA2	PY	.002	.002	0	0
30	MP ALPHA1	PY	.002	.002	0	0
31	FACE1A	PY	.001	.001	0	0
32	FACE3A	PY	.001	.001	0	0
33	FACE2A	PY	.001	.001	0	0
34	CR3B	PY	.001	.001	0	0
35	CR3A	PY	.001	.001	0	0
36	CR2B	PY	.001	.001	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
37	CR2A	PY	.001	.001	0	0
38	CR1B	PY	.001	.001	0	0
39	CR1A	PY	.001	.001	0	0
40	CORNER3	PY	.002	.002	0	0
41	CORNER2	PY	.002	.002	0	0
42	CORNER1	PY	.002	.002	0	0
43	MP ALPHA4	PY	.002	.002	0	0
44	RAIL1	PY	.001	.001	0	0
45	RAIL3	PY	.001	.001	0	0
46	RAIL2	PY	.001	.001	0	0
47	BRACE1	PY	.001	.001	0	0
48	BRACE2	PY	.001	.001	0	0
49	BRACE3	PY	.001	.001	0	0
50	SUP3B	PX	-.002	-.002	0	0
51	SUP3A	PX	-.002	-.002	0	0
52	SUP2B	PX	-.002	-.002	0	0
53	SUP2A	PX	-.002	-.002	0	0
54	SUP1B	PX	-.002	-.002	0	0
55	SUP1A	PX	-.002	-.002	0	0
56	SO3a	PX	-.002	-.002	0	0
57	SO2a	PX	-.002	-.002	0	0
58	SO1a	PX	-.002	-.002	0	0
59	PLATE12	PX	-.003	-.003	0	0
60	PLATE11	PX	-.003	-.003	0	0
61	PLATE10	PX	-.003	-.003	0	0
62	PLATE9	PX	-.003	-.003	0	0
63	PLATE8	PX	-.003	-.003	0	0
64	PLATE7	PX	-.003	-.003	0	0
65	PLATE6	PX	-.003	-.003	0	0
66	PLATE5	PX	-.003	-.003	0	0
67	PLATE4	PX	-.003	-.003	0	0
68	PLATE3	PX	-.003	-.003	0	0
69	PLATE2	PX	-.003	-.003	0	0
70	PLATE1	PX	-.003	-.003	0	0
71	MP GAMMA3	PX	-.003	-.003	0	0
72	MP GAMMA2	PX	-.003	-.003	0	0
73	MP GAMMA1	PX	-.003	-.003	0	0
74	MP BETA3	PX	-.003	-.003	0	0
75	MP BETA2	PX	-.003	-.003	0	0
76	MP BETA1	PX	-.003	-.003	0	0
77	MP ALPHA3	PX	-.003	-.003	0	0
78	MP ALPHA2	PX	-.003	-.003	0	0
79	MP ALPHA1	PX	-.003	-.003	0	0
80	FACE1A	PX	-.002	-.002	0	0
81	FACE3A	PX	-.002	-.002	0	0
82	FACE2A	PX	-.002	-.002	0	0
83	CR3B	PX	-.002	-.002	0	0
84	CR3A	PX	-.002	-.002	0	0
85	CR2B	PX	-.002	-.002	0	0
86	CR2A	PX	-.002	-.002	0	0
87	CR1B	PX	-.002	-.002	0	0
88	CR1A	PX	-.002	-.002	0	0
89	CORNER3	PX	-.003	-.003	0	0
90	CORNER2	PX	-.003	-.003	0	0
91	CORNER1	PX	-.003	-.003	0	0
92	MP ALPHA4	PX	-.003	-.003	0	0
93	RAIL1	PX	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
94	RAIL3	PX	-.002	-.002	0	0
95	RAIL2	PX	-.002	-.002	0	0
96	BRACE1	PX	-.002	-.002	0	0
97	BRACE2	PX	-.002	-.002	0	0
98	BRACE3	PX	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP3B	PY	.002	.002	0	0
2	SUP3A	PY	.002	.002	0	0
3	SUP2B	PY	.002	.002	0	0
4	SUP2A	PY	.002	.002	0	0
5	SUP1B	PY	.002	.002	0	0
6	SUP1A	PY	.002	.002	0	0
7	SO3a	PY	.002	.002	0	0
8	SO2a	PY	.002	.002	0	0
9	SO1a	PY	.002	.002	0	0
10	PLATE12	PY	.003	.003	0	0
11	PLATE11	PY	.003	.003	0	0
12	PLATE10	PY	.003	.003	0	0
13	PLATE9	PY	.003	.003	0	0
14	PLATE8	PY	.003	.003	0	0
15	PLATE7	PY	.003	.003	0	0
16	PLATE6	PY	.003	.003	0	0
17	PLATE5	PY	.003	.003	0	0
18	PLATE4	PY	.003	.003	0	0
19	PLATE3	PY	.003	.003	0	0
20	PLATE2	PY	.003	.003	0	0
21	PLATE1	PY	.003	.003	0	0
22	MP GAMMA3	PY	.003	.003	0	0
23	MP GAMMA2	PY	.003	.003	0	0
24	MP GAMMA1	PY	.003	.003	0	0
25	MP BETA3	PY	.003	.003	0	0
26	MP BETA2	PY	.003	.003	0	0
27	MP BETA1	PY	.003	.003	0	0
28	MP ALPHA3	PY	.003	.003	0	0
29	MP ALPHA2	PY	.003	.003	0	0
30	MP ALPHA1	PY	.003	.003	0	0
31	FACE1A	PY	.002	.002	0	0
32	FACE3A	PY	.002	.002	0	0
33	FACE2A	PY	.002	.002	0	0
34	CR3B	PY	.002	.002	0	0
35	CR3A	PY	.002	.002	0	0
36	CR2B	PY	.002	.002	0	0
37	CR2A	PY	.002	.002	0	0
38	CR1B	PY	.002	.002	0	0
39	CR1A	PY	.002	.002	0	0
40	CORNER3	PY	.003	.003	0	0
41	CORNER2	PY	.003	.003	0	0
42	CORNER1	PY	.003	.003	0	0
43	MP ALPHA4	PY	.003	.003	0	0
44	RAIL1	PY	.002	.002	0	0
45	RAIL3	PY	.002	.002	0	0
46	RAIL2	PY	.002	.002	0	0
47	BRACE1	PY	.002	.002	0	0
48	BRACE2	PY	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
49	BRACE3	PY	.002	.002	0	0
50	SUP3B	PX	-.000993	-.000993	0	0
51	SUP3A	PX	-.000993	-.000993	0	0
52	SUP2B	PX	-.000993	-.000993	0	0
53	SUP2A	PX	-.000993	-.000993	0	0
54	SUP1B	PX	-.000993	-.000993	0	0
55	SUP1A	PX	-.000993	-.000993	0	0
56	SO3a	PX	-.001	-.001	0	0
57	SO2a	PX	-.001	-.001	0	0
58	SO1a	PX	-.001	-.001	0	0
59	PLATE12	PX	-.002	-.002	0	0
60	PLATE11	PX	-.002	-.002	0	0
61	PLATE10	PX	-.002	-.002	0	0
62	PLATE9	PX	-.002	-.002	0	0
63	PLATE8	PX	-.002	-.002	0	0
64	PLATE7	PX	-.002	-.002	0	0
65	PLATE6	PX	-.002	-.002	0	0
66	PLATE5	PX	-.002	-.002	0	0
67	PLATE4	PX	-.002	-.002	0	0
68	PLATE3	PX	-.002	-.002	0	0
69	PLATE2	PX	-.002	-.002	0	0
70	PLATE1	PX	-.002	-.002	0	0
71	MP GAMMA3	PX	-.002	-.002	0	0
72	MP GAMMA2	PX	-.002	-.002	0	0
73	MP GAMMA1	PX	-.002	-.002	0	0
74	MP BETA3	PX	-.002	-.002	0	0
75	MP BETA2	PX	-.002	-.002	0	0
76	MP BETA1	PX	-.002	-.002	0	0
77	MP ALPHA3	PX	-.002	-.002	0	0
78	MP ALPHA2	PX	-.002	-.002	0	0
79	MP ALPHA1	PX	-.002	-.002	0	0
80	FACE1A	PX	-.001	-.001	0	0
81	FACE3A	PX	-.001	-.001	0	0
82	FACE2A	PX	-.001	-.001	0	0
83	CR3B	PX	-.001	-.001	0	0
84	CR3A	PX	-.001	-.001	0	0
85	CR2B	PX	-.001	-.001	0	0
86	CR2A	PX	-.001	-.001	0	0
87	CR1B	PX	-.001	-.001	0	0
88	CR1A	PX	-.001	-.001	0	0
89	CORNER3	PX	-.002	-.002	0	0
90	CORNER2	PX	-.002	-.002	0	0
91	CORNER1	PX	-.002	-.002	0	0
92	MP ALPHA4	PX	-.002	-.002	0	0
93	RAIL1	PX	-.001	-.001	0	0
94	RAIL3	PX	-.001	-.001	0	0
95	RAIL2	PX	-.001	-.001	0	0
96	BRACE1	PX	-.001	-.001	0	0
97	BRACE2	PX	-.001	-.001	0	0
98	BRACE3	PX	-.001	-.001	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP3B	PY	.002	.002	0	0
2	SUP3A	PY	.002	.002	0	0
3	SUP2B	PY	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
4	SUP2A	PY	.002	.002	0	0
5	SUP1B	PY	.002	.002	0	0
6	SUP1A	PY	.002	.002	0	0
7	SO3a	PY	.003	.003	0	0
8	SO2a	PY	.003	.003	0	0
9	SO1a	PY	.003	.003	0	0
10	PLATE12	PY	.004	.004	0	0
11	PLATE11	PY	.004	.004	0	0
12	PLATE10	PY	.004	.004	0	0
13	PLATE9	PY	.004	.004	0	0
14	PLATE8	PY	.004	.004	0	0
15	PLATE7	PY	.004	.004	0	0
16	PLATE6	PY	.004	.004	0	0
17	PLATE5	PY	.004	.004	0	0
18	PLATE4	PY	.004	.004	0	0
19	PLATE3	PY	.004	.004	0	0
20	PLATE2	PY	.004	.004	0	0
21	PLATE1	PY	.004	.004	0	0
22	MP GAMMA3	PY	.003	.003	0	0
23	MP GAMMA2	PY	.003	.003	0	0
24	MP GAMMA1	PY	.003	.003	0	0
25	MP BETA3	PY	.003	.003	0	0
26	MP BETA2	PY	.003	.003	0	0
27	MP BETA1	PY	.003	.003	0	0
28	MP ALPHA3	PY	.003	.003	0	0
29	MP ALPHA2	PY	.003	.003	0	0
30	MP ALPHA1	PY	.003	.003	0	0
31	FACE1A	PY	.003	.003	0	0
32	FACE3A	PY	.003	.003	0	0
33	FACE2A	PY	.003	.003	0	0
34	CR3B	PY	.002	.002	0	0
35	CR3A	PY	.002	.002	0	0
36	CR2B	PY	.002	.002	0	0
37	CR2A	PY	.002	.002	0	0
38	CR1B	PY	.002	.002	0	0
39	CR1A	PY	.002	.002	0	0
40	CORNER3	PY	.004	.004	0	0
41	CORNER2	PY	.004	.004	0	0
42	CORNER1	PY	.004	.004	0	0
43	MP ALPHA4	PY	.003	.003	0	0
44	RAIL1	PY	.002	.002	0	0
45	RAIL3	PY	.002	.002	0	0
46	RAIL2	PY	.002	.002	0	0
47	BRACE1	PY	.002	.002	0	0
48	BRACE2	PY	.002	.002	0	0
49	BRACE3	PY	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP3B	PY	.002	.002	0	0
2	SUP3A	PY	.002	.002	0	0
3	SUP2B	PY	.002	.002	0	0
4	SUP2A	PY	.002	.002	0	0
5	SUP1B	PY	.002	.002	0	0
6	SUP1A	PY	.002	.002	0	0
7	SO3a	PY	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
8	SO2a	PY	.002	.002	0	0
9	SO1a	PY	.002	.002	0	0
10	PLATE12	PY	.003	.003	0	0
11	PLATE11	PY	.003	.003	0	0
12	PLATE10	PY	.003	.003	0	0
13	PLATE9	PY	.003	.003	0	0
14	PLATE8	PY	.003	.003	0	0
15	PLATE7	PY	.003	.003	0	0
16	PLATE6	PY	.003	.003	0	0
17	PLATE5	PY	.003	.003	0	0
18	PLATE4	PY	.003	.003	0	0
19	PLATE3	PY	.003	.003	0	0
20	PLATE2	PY	.003	.003	0	0
21	PLATE1	PY	.003	.003	0	0
22	MP GAMMA3	PY	.003	.003	0	0
23	MP GAMMA2	PY	.003	.003	0	0
24	MP GAMMA1	PY	.003	.003	0	0
25	MP BETA3	PY	.003	.003	0	0
26	MP BETA2	PY	.003	.003	0	0
27	MP BETA1	PY	.003	.003	0	0
28	MP ALPHA3	PY	.003	.003	0	0
29	MP ALPHA2	PY	.003	.003	0	0
30	MP ALPHA1	PY	.003	.003	0	0
31	FACE1A	PY	.002	.002	0	0
32	FACE2A	PY	.002	.002	0	0
33	FACE3A	PY	.002	.002	0	0
34	CR3B	PY	.002	.002	0	0
35	CR3A	PY	.002	.002	0	0
36	CR2B	PY	.002	.002	0	0
37	CR2A	PY	.002	.002	0	0
38	CR1B	PY	.002	.002	0	0
39	CR1A	PY	.002	.002	0	0
40	CORNER3	PY	.003	.003	0	0
41	CORNER2	PY	.003	.003	0	0
42	CORNER1	PY	.003	.003	0	0
43	MP ALPHA4	PY	.003	.003	0	0
44	RAIL1	PY	.002	.002	0	0
45	RAIL2	PY	.002	.002	0	0
46	RAIL3	PY	.002	.002	0	0
47	BRACE1	PY	.002	.002	0	0
48	BRACE2	PY	.002	.002	0	0
49	BRACE3	PY	.002	.002	0	0
50	SUP3B	PX	.000993	.000993	0	0
51	SUP3A	PX	.000993	.000993	0	0
52	SUP2B	PX	.000993	.000993	0	0
53	SUP2A	PX	.000993	.000993	0	0
54	SUP1B	PX	.000993	.000993	0	0
55	SUP1A	PX	.000993	.000993	0	0
56	SO3a	PX	.001	.001	0	0
57	SO2a	PX	.001	.001	0	0
58	SO1a	PX	.001	.001	0	0
59	PLATE12	PX	.002	.002	0	0
60	PLATE11	PX	.002	.002	0	0
61	PLATE10	PX	.002	.002	0	0
62	PLATE9	PX	.002	.002	0	0
63	PLATE8	PX	.002	.002	0	0
64	PLATE7	PX	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
65	PLATE6	PX	.002	.002	0	0
66	PLATE5	PX	.002	.002	0	0
67	PLATE4	PX	.002	.002	0	0
68	PLATE3	PX	.002	.002	0	0
69	PLATE2	PX	.002	.002	0	0
70	PLATE1	PX	.002	.002	0	0
71	MP GAMMA3	PX	.002	.002	0	0
72	MP GAMMA2	PX	.002	.002	0	0
73	MP GAMMA1	PX	.002	.002	0	0
74	MP BETA3	PX	.002	.002	0	0
75	MP BETA2	PX	.002	.002	0	0
76	MP BETA1	PX	.002	.002	0	0
77	MP ALPHA3	PX	.002	.002	0	0
78	MP ALPHA2	PX	.002	.002	0	0
79	MP ALPHA1	PX	.002	.002	0	0
80	FACE1A	PX	.001	.001	0	0
81	FACE2A	PX	.001	.001	0	0
82	FACE3A	PX	.001	.001	0	0
83	CR3B	PX	.001	.001	0	0
84	CR3A	PX	.001	.001	0	0
85	CR2B	PX	.001	.001	0	0
86	CR2A	PX	.001	.001	0	0
87	CR1B	PX	.001	.001	0	0
88	CR1A	PX	.001	.001	0	0
89	CORNER3	PX	.002	.002	0	0
90	CORNER2	PX	.002	.002	0	0
91	CORNER1	PX	.002	.002	0	0
92	MP ALPHA4	PX	.002	.002	0	0
93	RAIL1	PX	.001	.001	0	0
94	RAIL2	PX	.001	.001	0	0
95	RAIL3	PX	.001	.001	0	0
96	BRACE1	PX	.001	.001	0	0
97	BRACE2	PX	.001	.001	0	0
98	BRACE3	PX	.001	.001	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP3B	PY	.000993	.000993	0	0
2	SUP3A	PY	.000993	.000993	0	0
3	SUP2B	PY	.000993	.000993	0	0
4	SUP2A	PY	.000993	.000993	0	0
5	SUP1B	PY	.000993	.000993	0	0
6	SUP1A	PY	.000993	.000993	0	0
7	SO3a	PY	.001	.001	0	0
8	SO2a	PY	.001	.001	0	0
9	SO1a	PY	.001	.001	0	0
10	PLATE12	PY	.002	.002	0	0
11	PLATE11	PY	.002	.002	0	0
12	PLATE10	PY	.002	.002	0	0
13	PLATE9	PY	.002	.002	0	0
14	PLATE8	PY	.002	.002	0	0
15	PLATE7	PY	.002	.002	0	0
16	PLATE6	PY	.002	.002	0	0
17	PLATE5	PY	.002	.002	0	0
18	PLATE4	PY	.002	.002	0	0
19	PLATE3	PY	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
20	PLATE2	PY	.002	.002	0	0
21	PLATE1	PY	.002	.002	0	0
22	MP GAMMA3	PY	.002	.002	0	0
23	MP GAMMA2	PY	.002	.002	0	0
24	MP GAMMA1	PY	.002	.002	0	0
25	MP BETA3	PY	.002	.002	0	0
26	MP BETA2	PY	.002	.002	0	0
27	MP BETA1	PY	.002	.002	0	0
28	MP ALPHA3	PY	.002	.002	0	0
29	MP ALPHA2	PY	.002	.002	0	0
30	MP ALPHA1	PY	.002	.002	0	0
31	FACE1A	PY	.001	.001	0	0
32	FACE2A	PY	.001	.001	0	0
33	FACE3A	PY	.001	.001	0	0
34	CR3B	PY	.001	.001	0	0
35	CR3A	PY	.001	.001	0	0
36	CR2B	PY	.001	.001	0	0
37	CR2A	PY	.001	.001	0	0
38	CR1B	PY	.001	.001	0	0
39	CR1A	PY	.001	.001	0	0
40	CORNER3	PY	.002	.002	0	0
41	CORNER2	PY	.002	.002	0	0
42	CORNER1	PY	.002	.002	0	0
43	MP ALPHA4	PY	.002	.002	0	0
44	RAIL1	PY	.001	.001	0	0
45	RAIL2	PY	.001	.001	0	0
46	RAIL3	PY	.001	.001	0	0
47	BRACE1	PY	.001	.001	0	0
48	BRACE2	PY	.001	.001	0	0
49	BRACE3	PY	.001	.001	0	0
50	SUP3B	PX	.002	.002	0	0
51	SUP3A	PX	.002	.002	0	0
52	SUP2B	PX	.002	.002	0	0
53	SUP2A	PX	.002	.002	0	0
54	SUP1B	PX	.002	.002	0	0
55	SUP1A	PX	.002	.002	0	0
56	SO3a	PX	.002	.002	0	0
57	SO2a	PX	.002	.002	0	0
58	SO1a	PX	.002	.002	0	0
59	PLATE12	PX	.003	.003	0	0
60	PLATE11	PX	.003	.003	0	0
61	PLATE10	PX	.003	.003	0	0
62	PLATE9	PX	.003	.003	0	0
63	PLATE8	PX	.003	.003	0	0
64	PLATE7	PX	.003	.003	0	0
65	PLATE6	PX	.003	.003	0	0
66	PLATE5	PX	.003	.003	0	0
67	PLATE4	PX	.003	.003	0	0
68	PLATE3	PX	.003	.003	0	0
69	PLATE2	PX	.003	.003	0	0
70	PLATE1	PX	.003	.003	0	0
71	MP GAMMA3	PX	.003	.003	0	0
72	MP GAMMA2	PX	.003	.003	0	0
73	MP GAMMA1	PX	.003	.003	0	0
74	MP BETA3	PX	.003	.003	0	0
75	MP BETA2	PX	.003	.003	0	0
76	MP BETA1	PX	.003	.003	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
77	MP ALPHA3	PX	.003	.003	0	0
78	MP ALPHA2	PX	.003	.003	0	0
79	MP ALPHA1	PX	.003	.003	0	0
80	FACE1A	PX	.002	.002	0	0
81	FACE2A	PX	.002	.002	0	0
82	FACE3A	PX	.002	.002	0	0
83	CR3B	PX	.002	.002	0	0
84	CR3A	PX	.002	.002	0	0
85	CR2B	PX	.002	.002	0	0
86	CR2A	PX	.002	.002	0	0
87	CR1B	PX	.002	.002	0	0
88	CR1A	PX	.002	.002	0	0
89	CORNER3	PX	.003	.003	0	0
90	CORNER2	PX	.003	.003	0	0
91	CORNER1	PX	.003	.003	0	0
92	MP ALPHA4	PX	.003	.003	0	0
93	RAIL1	PX	.002	.002	0	0
94	RAIL2	PX	.002	.002	0	0
95	RAIL3	PX	.002	.002	0	0
96	BRACE1	PX	.002	.002	0	0
97	BRACE2	PX	.002	.002	0	0
98	BRACE3	PX	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP3B	PX	.002	.002	0	0
2	SUP3A	PX	.002	.002	0	0
3	SUP2B	PX	.002	.002	0	0
4	SUP2A	PX	.002	.002	0	0
5	SUP1B	PX	.002	.002	0	0
6	SUP1A	PX	.002	.002	0	0
7	SO3a	PX	.003	.003	0	0
8	SO2a	PX	.003	.003	0	0
9	SO1a	PX	.003	.003	0	0
10	PLATE12	PX	.004	.004	0	0
11	PLATE11	PX	.004	.004	0	0
12	PLATE10	PX	.004	.004	0	0
13	PLATE9	PX	.004	.004	0	0
14	PLATE8	PX	.004	.004	0	0
15	PLATE7	PX	.004	.004	0	0
16	PLATE6	PX	.004	.004	0	0
17	PLATE5	PX	.004	.004	0	0
18	PLATE4	PX	.004	.004	0	0
19	PLATE3	PX	.004	.004	0	0
20	PLATE2	PX	.004	.004	0	0
21	PLATE1	PX	.004	.004	0	0
22	MP GAMMA3	PX	.003	.003	0	0
23	MP GAMMA2	PX	.003	.003	0	0
24	MP GAMMA1	PX	.003	.003	0	0
25	MP BETA3	PX	.003	.003	0	0
26	MP BETA2	PX	.003	.003	0	0
27	MP BETA1	PX	.003	.003	0	0
28	MP ALPHA3	PX	.003	.003	0	0
29	MP ALPHA2	PX	.003	.003	0	0
30	MP ALPHA1	PX	.003	.003	0	0
31	FACE1A	PX	.003	.003	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
32	FACE2A	PX	.003	.003	0	0
33	FACE3A	PX	.003	.003	0	0
34	CR3B	PX	.002	.002	0	0
35	CR3A	PX	.002	.002	0	0
36	CR2B	PX	.002	.002	0	0
37	CR2A	PX	.002	.002	0	0
38	CR1B	PX	.002	.002	0	0
39	CR1A	PX	.002	.002	0	0
40	CORNER3	PX	.004	.004	0	0
41	CORNER2	PX	.004	.004	0	0
42	CORNER1	PX	.004	.004	0	0
43	MP ALPHA4	PX	.003	.003	0	0
44	RAIL1	PX	.002	.002	0	0
45	RAIL2	PX	.002	.002	0	0
46	RAIL3	PX	.002	.002	0	0
47	BRACE1	PX	.002	.002	0	0
48	BRACE2	PX	.002	.002	0	0
49	BRACE3	PX	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP3B	PY	-.000993	-.000993	0	0
2	SUP3A	PY	-.000993	-.000993	0	0
3	SUP2B	PY	-.000993	-.000993	0	0
4	SUP2A	PY	-.000993	-.000993	0	0
5	SUP1B	PY	-.000993	-.000993	0	0
6	SUP1A	PY	-.000993	-.000993	0	0
7	SO3a	PY	-.001	-.001	0	0
8	SO2a	PY	-.001	-.001	0	0
9	SO1a	PY	-.001	-.001	0	0
10	PLATE12	PY	-.002	-.002	0	0
11	PLATE11	PY	-.002	-.002	0	0
12	PLATE10	PY	-.002	-.002	0	0
13	PLATE9	PY	-.002	-.002	0	0
14	PLATE8	PY	-.002	-.002	0	0
15	PLATE7	PY	-.002	-.002	0	0
16	PLATE6	PY	-.002	-.002	0	0
17	PLATE5	PY	-.002	-.002	0	0
18	PLATE4	PY	-.002	-.002	0	0
19	PLATE3	PY	-.002	-.002	0	0
20	PLATE2	PY	-.002	-.002	0	0
21	PLATE1	PY	-.002	-.002	0	0
22	MP GAMMA3	PY	-.002	-.002	0	0
23	MP GAMMA2	PY	-.002	-.002	0	0
24	MP GAMMA1	PY	-.002	-.002	0	0
25	MP BETA3	PY	-.002	-.002	0	0
26	MP BETA2	PY	-.002	-.002	0	0
27	MP BETA1	PY	-.002	-.002	0	0
28	MP ALPHA3	PY	-.002	-.002	0	0
29	MP ALPHA2	PY	-.002	-.002	0	0
30	MP ALPHA1	PY	-.002	-.002	0	0
31	FACE1A	PY	-.001	-.001	0	0
32	FACE2A	PY	-.001	-.001	0	0
33	FACE3A	PY	-.001	-.001	0	0
34	CR3B	PY	-.001	-.001	0	0
35	CR3A	PY	-.001	-.001	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
36	CR2B	PY	-.001	-.001	0	0
37	CR2A	PY	-.001	-.001	0	0
38	CR1B	PY	-.001	-.001	0	0
39	CR1A	PY	-.001	-.001	0	0
40	CORNER3	PY	-.002	-.002	0	0
41	CORNER2	PY	-.002	-.002	0	0
42	CORNER1	PY	-.002	-.002	0	0
43	MP ALPHA4	PY	-.002	-.002	0	0
44	RAIL1	PY	-.001	-.001	0	0
45	RAIL2	PY	-.001	-.001	0	0
46	RAIL3	PY	-.001	-.001	0	0
47	BRACE1	PY	-.001	-.001	0	0
48	BRACE2	PY	-.001	-.001	0	0
49	BRACE3	PY	-.001	-.001	0	0
50	SUP3B	PX	.002	.002	0	0
51	SUP3A	PX	.002	.002	0	0
52	SUP2B	PX	.002	.002	0	0
53	SUP2A	PX	.002	.002	0	0
54	SUP1B	PX	.002	.002	0	0
55	SUP1A	PX	.002	.002	0	0
56	SO3a	PX	.002	.002	0	0
57	SO2a	PX	.002	.002	0	0
58	SO1a	PX	.002	.002	0	0
59	PLATE12	PX	.003	.003	0	0
60	PLATE11	PX	.003	.003	0	0
61	PLATE10	PX	.003	.003	0	0
62	PLATE9	PX	.003	.003	0	0
63	PLATE8	PX	.003	.003	0	0
64	PLATE7	PX	.003	.003	0	0
65	PLATE6	PX	.003	.003	0	0
66	PLATE5	PX	.003	.003	0	0
67	PLATE4	PX	.003	.003	0	0
68	PLATE3	PX	.003	.003	0	0
69	PLATE2	PX	.003	.003	0	0
70	PLATE1	PX	.003	.003	0	0
71	MP GAMMA3	PX	.003	.003	0	0
72	MP GAMMA2	PX	.003	.003	0	0
73	MP GAMMA1	PX	.003	.003	0	0
74	MP BETA3	PX	.003	.003	0	0
75	MP BETA2	PX	.003	.003	0	0
76	MP BETA1	PX	.003	.003	0	0
77	MP ALPHA3	PX	.003	.003	0	0
78	MP ALPHA2	PX	.003	.003	0	0
79	MP ALPHA1	PX	.003	.003	0	0
80	FACE1A	PX	.002	.002	0	0
81	FACE2A	PX	.002	.002	0	0
82	FACE3A	PX	.002	.002	0	0
83	CR3B	PX	.002	.002	0	0
84	CR3A	PX	.002	.002	0	0
85	CR2B	PX	.002	.002	0	0
86	CR2A	PX	.002	.002	0	0
87	CR1B	PX	.002	.002	0	0
88	CR1A	PX	.002	.002	0	0
89	CORNER3	PX	.003	.003	0	0
90	CORNER2	PX	.003	.003	0	0
91	CORNER1	PX	.003	.003	0	0
92	MP ALPHA4	PX	.003	.003	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
93	RAIL1	PX	.002	.002	0	0
94	RAIL2	PX	.002	.002	0	0
95	RAIL3	PX	.002	.002	0	0
96	BRACE1	PX	.002	.002	0	0
97	BRACE2	PX	.002	.002	0	0
98	BRACE3	PX	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP3B	PY	-.002	-.002	0	0
2	SUP3A	PY	-.002	-.002	0	0
3	SUP2B	PY	-.002	-.002	0	0
4	SUP2A	PY	-.002	-.002	0	0
5	SUP1B	PY	-.002	-.002	0	0
6	SUP1A	PY	-.002	-.002	0	0
7	SO3a	PY	-.002	-.002	0	0
8	SO2a	PY	-.002	-.002	0	0
9	SO1a	PY	-.002	-.002	0	0
10	PLATE12	PY	-.003	-.003	0	0
11	PLATE11	PY	-.003	-.003	0	0
12	PLATE10	PY	-.003	-.003	0	0
13	PLATE9	PY	-.003	-.003	0	0
14	PLATE8	PY	-.003	-.003	0	0
15	PLATE7	PY	-.003	-.003	0	0
16	PLATE6	PY	-.003	-.003	0	0
17	PLATE5	PY	-.003	-.003	0	0
18	PLATE4	PY	-.003	-.003	0	0
19	PLATE3	PY	-.003	-.003	0	0
20	PLATE2	PY	-.003	-.003	0	0
21	PLATE1	PY	-.003	-.003	0	0
22	MP GAMMA3	PY	-.003	-.003	0	0
23	MP GAMMA2	PY	-.003	-.003	0	0
24	MP GAMMA1	PY	-.003	-.003	0	0
25	MP BETA3	PY	-.003	-.003	0	0
26	MP BETA2	PY	-.003	-.003	0	0
27	MP BETA1	PY	-.003	-.003	0	0
28	MP ALPHA3	PY	-.003	-.003	0	0
29	MP ALPHA2	PY	-.003	-.003	0	0
30	MP ALPHA1	PY	-.003	-.003	0	0
31	FACE3A	PY	-.002	-.002	0	0
32	FACE2A	PY	-.002	-.002	0	0
33	FACE1A	PY	-.002	-.002	0	0
34	CR3B	PY	-.002	-.002	0	0
35	CR3A	PY	-.002	-.002	0	0
36	CR2B	PY	-.002	-.002	0	0
37	CR2A	PY	-.002	-.002	0	0
38	CR1B	PY	-.002	-.002	0	0
39	CR1A	PY	-.002	-.002	0	0
40	CORNER3	PY	-.003	-.003	0	0
41	CORNER2	PY	-.003	-.003	0	0
42	CORNER1	PY	-.003	-.003	0	0
43	MP ALPHA4	PY	-.003	-.003	0	0
44	RAIL3	PY	-.002	-.002	0	0
45	RAIL2	PY	-.002	-.002	0	0
46	RAIL1	PY	-.002	-.002	0	0
47	BRACE1	PY	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
48	BRACE2	PY	-.002	-.002	0	0
49	BRACE3	PY	-.002	-.002	0	0
50	SUP3B	PX	.000993	.000993	0	0
51	SUP3A	PX	.000993	.000993	0	0
52	SUP2B	PX	.000993	.000993	0	0
53	SUP2A	PX	.000993	.000993	0	0
54	SUP1B	PX	.000993	.000993	0	0
55	SUP1A	PX	.000993	.000993	0	0
56	SO3a	PX	.001	.001	0	0
57	SO2a	PX	.001	.001	0	0
58	SO1a	PX	.001	.001	0	0
59	PLATE12	PX	.002	.002	0	0
60	PLATE11	PX	.002	.002	0	0
61	PLATE10	PX	.002	.002	0	0
62	PLATE9	PX	.002	.002	0	0
63	PLATE8	PX	.002	.002	0	0
64	PLATE7	PX	.002	.002	0	0
65	PLATE6	PX	.002	.002	0	0
66	PLATE5	PX	.002	.002	0	0
67	PLATE4	PX	.002	.002	0	0
68	PLATE3	PX	.002	.002	0	0
69	PLATE2	PX	.002	.002	0	0
70	PLATE1	PX	.002	.002	0	0
71	MP GAMMA3	PX	.002	.002	0	0
72	MP GAMMA2	PX	.002	.002	0	0
73	MP GAMMA1	PX	.002	.002	0	0
74	MP BETA3	PX	.002	.002	0	0
75	MP BETA2	PX	.002	.002	0	0
76	MP BETA1	PX	.002	.002	0	0
77	MP ALPHA3	PX	.002	.002	0	0
78	MP ALPHA2	PX	.002	.002	0	0
79	MP ALPHA1	PX	.002	.002	0	0
80	FACE3A	PX	.001	.001	0	0
81	FACE2A	PX	.001	.001	0	0
82	FACE1A	PX	.001	.001	0	0
83	CR3B	PX	.001	.001	0	0
84	CR3A	PX	.001	.001	0	0
85	CR2B	PX	.001	.001	0	0
86	CR2A	PX	.001	.001	0	0
87	CR1B	PX	.001	.001	0	0
88	CR1A	PX	.001	.001	0	0
89	CORNER3	PX	.002	.002	0	0
90	CORNER2	PX	.002	.002	0	0
91	CORNER1	PX	.002	.002	0	0
92	MP ALPHA4	PX	.002	.002	0	0
93	RAIL3	PX	.001	.001	0	0
94	RAIL2	PX	.001	.001	0	0
95	RAIL1	PX	.001	.001	0	0
96	BRACE1	PX	.001	.001	0	0
97	BRACE2	PX	.001	.001	0	0
98	BRACE3	PX	.001	.001	0	0

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP1B	Z	-.003	-.009	.808	2.425
2	SUP1B	Z	-.009	-.015	2.425	4.041

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
3	SUP1A	Z	-.009	-.014	0	1.347
4	SUP1A	Z	-.014	-.011	1.347	2.694
5	SUP1A	Z	-.011	-.002	2.694	4.041
6	SUP3B	Z	-.003	-.009	.808	2.425
7	SUP3B	Z	-.009	-.015	2.425	4.041
8	SUP3A	Z	-.009	-.014	0	1.347
9	SUP3A	Z	-.014	-.011	1.347	2.694
10	SUP3A	Z	-.011	-.002	2.694	4.041
11	SUP2B	Z	-.003	-.009	.808	2.425
12	SUP2B	Z	-.009	-.015	2.425	4.041
13	SUP2A	Z	-.002	-.011	0	1.347
14	SUP2A	Z	-.011	-.014	1.347	2.694
15	SUP2A	Z	-.014	-.009	2.694	4.041

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
1	SUP1B	Z	-.004	-.011	.808	2.425
2	SUP1B	Z	-.011	-.019	2.425	4.041
3	SUP1A	Z	-.011	-.016	0	1.347
4	SUP1A	Z	-.016	-.013	1.347	2.694
5	SUP1A	Z	-.013	-.002	2.694	4.041
6	SUP3B	Z	-.004	-.011	.808	2.425
7	SUP3B	Z	-.011	-.019	2.425	4.041
8	SUP3A	Z	-.011	-.016	0	1.347
9	SUP3A	Z	-.016	-.013	1.347	2.694
10	SUP3A	Z	-.013	-.002	2.694	4.041
11	SUP2B	Z	-.004	-.011	.808	2.425
12	SUP2B	Z	-.011	-.019	2.425	4.041
13	SUP2A	Z	-.002	-.013	0	1.347
14	SUP2A	Z	-.013	-.016	1.347	2.694
15	SUP2A	Z	-.016	-.011	2.694	4.041

Member Area Loads (BLC 3 : Dead Load)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N89A	N87A	N90		Z	Two Way	-.01
2	N86A	N91	N88A		Z	Two Way	-.01
3	N87B	N89	N91A		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	N89A	N87A	N90		Z	Two Way	-.012
2	N86A	N91	N88A		Z	Two Way	-.012
3	N87B	N89	N91A		Z	Two Way	-.012

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	N21	max	1.159	11	2.189	2	2.109	21	4.702	21	.538	8	2.281	29
2		min	-1.371	29	-1.708	20	.38	2	.329	2	-.479	26	-1.861	11
3	N143A	max	1.663	8	1.04	8	2.403	9	-.387	23	4.762	10	2.002	17
4		min	-1.738	26	-1.295	20	.55	26	-3.002	7	.507	26	-1.829	35
5	N145A	max	1.87	14	1.364	2	2.211	33	-.209	17	-.485	14	2.005	5
6		min	-1.583	32	-1.065	20	.463	14	-2.701	33	-4.232	33	-1.348	23
7	Totals:	max	4.205	11	4.581	2	6.344	21						

Envelope Joint Reactions (Continued)

	Joint		X [k]	LC	Y [k]	LC	Z [k]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
8		min	-4.205	29	-4.068	20	3.098	2						

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Live Load	DL					1			
2	Wind Load (0)	DL					29	49		
3	Dead Load	DL			-1.1		29		3	
4	Wind Load (30)	DL					58	98		
5	Wind Load (60)	DL					58	98		
6	Wind Load (90)	DL					29	49		
7	Wind Load (120)	DL					58	98		
8	Wind Load (150)	DL					58	98		
9	Wind Load (180)	DL					29	49		
10	Wind Load (210)	DL					58	98		
11	Wind Load (240)	DL					58	98		
12	Wind Load (270)	DL					29	49		
13	Wind Load (300)	DL					58	98		
14	Wind Load (330)	DL					58	98		
15	Maintanence (0)	DL					29	49		
16	Maintanence (30)	DL					58	98		
17	Maintanence (60)	DL					58	98		
18	Maintanence (90)	DL					29	49		
19	Maintanence (120)	DL					58	98		
20	Maintanence (150)	DL					58	98		
21	Maintanence (180)	DL					29	49		
22	Maintanence (210)	DL					58	98		
23	Maintanence (240)	DL					58	98		
24	Maintanence (270)	DL					29	49		
25	Maintanence (300)	DL					58	98		
26	Maintanence (330)	DL					58	98		
27	Ice Dead Load	DL					29	49	3	
28	Ice Wind Load (0)	DL					29	49		
29	Ice Wind Load (30)	DL					58	98		
30	Ice Wind Load (60)	DL					58	98		
31	Ice Wind Load (90)	DL					29	49		
32	Ice Wind Load (120)	DL					58	98		
33	Ice Wind Load (150)	DL					58	98		
34	Ice Wind Load (180)	DL					29	49		
35	Ice Wind Load (210)	DL					58	98		
36	Ice Wind Load (240)	DL					58	98		
37	Ice Wind Load (270)	DL					29	49		
38	Ice Wind Load (300)	DL					58	98		
39	Ice Wind Load (330)	DL					58	98		
40	Earthquake (x-directi...	DL	-.123				29			
41	Earthquake (y-directi...	DL		-.123			29			
42	Earthquake (z-directi...	DL			-.049		29			
43	BLC 3 Transient Are...	None						15		
44	BLC 27 Transient Ar...	None						15		

Load Combinations

	Description	So...	P...	S...	BLC	Fact...	BLC	Fa...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...
1	1.4D	Yes	Y		3	1.4																		
2	1.2D + 1.0W(0)	Yes	Y		3	1.2	2	1																
3	1.2D + 1.0Di + 1...	Yes	Y		3	1.2	27	1	28	1														

Load Combinations (Continued)

	Description	So...	P...	S...	BLC	Fact..	BLC	Fa..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact...
4	1.2D + 1.5L + 1....	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..	Yes	Y		3	1.2	27	1	29	1														
7	1.2D + 1.5L + 1....	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..	Yes	Y		3	1.2	27	1	30	1														
10	1.2D + 1.5L + 1....	Yes	Y		3	1.2	1	1.5	17	1														
11	1.2D + 1.0W(90)	Yes	Y		3	1.2	6	1																
12	1.2D + 1.0Di + 1..	Yes	Y		3	1.2	27	1	31	1														
13	1.2D + 1.5L + 1....	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..	Yes	Y		3	1.2	27	1	32	1														
16	1.2D + 1.5L + 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..	Yes	Y		3	1.2	27	1	33	1														
19	1.2D + 1.5L + 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..	Yes	Y		3	1.2	27	1	34	1														
22	1.2D + 1.5L + 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..	Yes	Y		3	1.2	27	1	35	1														
25	1.2D + 1.5L + 1....	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..	Yes	Y		3	1.2	27	1	36	1														
28	1.2D + 1.5L + 1....	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..	Yes	Y		3	1.2	27	1	37	1														
31	1.2D + 1.5L + 1....	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..	Yes	Y		3	1.2	27	1	38	1														
34	1.2D + 1.5L + 1....	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..	Yes	Y		3	1.2	27	1	39	1														
37	1.2D + 1.5L + 1....	Yes	Y		3	1.2	1	1.5	26	1														
38	1.2D + 1.0E(x) +..	Yes	Y		3	1.2	40	1	42	1	1	1												
39	1.2D + 1.0E(y) +..	Yes	Y		3	1.2	41	1	42	1	1	1												
40	1.2D - 1.0E(x) + ..	Yes	Y		3	1.2	40	-1	42	1	1	1												
41	1.2D - 1.0E(y) + ..	Yes	Y		3	1.2	41	-1	42	1	1	1												

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

	Member	Shape	Code ...	Loc[ft]	LC	She...	Loc...	Dir	LC	phi*Pn...	phi*Pn...	phi*M...	phi*M...	...	Eqn
1	PLATE6	6x0.375	.226	.15	8	.815	0	y	2	68.777	72.9	.57	9.113	...	H1-1b
2	PLATE1	6x0.375	.237	0	5	.615	0	y	17	68.777	72.9	.57	9.113	...	H1-1b
3	PLATE3	6x0.375	.306	.15	8	.607	.3	y	11	68.777	72.9	.57	9.113	...	H1-1b
4	PLATE4	6x0.375	.227	0	17	.600	0	y	29	68.777	72.9	.57	9.113	...	H1-1b
5	PLATE2	6x0.375	.308	.15	32	.581	.3	y	32	68.777	72.9	.57	9.113	...	H1-1b
6	PLATE5	6x0.375	.356	.15	2	.519	.15	y	2	68.777	72.9	.57	9.113	...	H1-1b
7	CORNER3	6x0.375	.441	.524	32	.458	.535	y	2	35.782	72.9	.57	9.093	...	H1-1b
8	PLATE8	6x0.375	.236	.149	20	.428	.292	y	2	68.988	72.9	.57	9.113	...	H1-1b
9	PLATE7	6x0.375	.223	.143	2	.403	0	y	2	68.988	72.9	.57	9.113	...	H1-1b
10	PLATE12	6x0.375	.227	.149	32	.389	.292	y	14	68.988	72.9	.57	9.113	...	H1-1b
11	CORNER2	6x0.375	.424	.524	5	.383	.524	y	11	35.782	72.9	.57	9.113	...	H1-1b
12	CORNER1	6x0.375	.404	.524	11	.369	.524	y	35	35.782	72.9	.57	9.113	...	H1-1b
13	PLATE11	6x0.375	.228	.143	32	.353	0	y	11	68.988	72.9	.57	9.113	...	H1-1b
14	PLATE10	6x0.375	.253	.149	8	.338	.292	y	26	68.988	72.9	.57	9.113	...	H1-1b

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

	Member	Shape	Code ...	Loc[ft]	LC	She...	Loc...	Dir	LC	phi*Pn...	phi*Pn...	phi*M...	phi*M...	...	Eqn
15	PLATE9	6x0.375	.227	.143	5	.296	0	y	26	68.988	72.9	.57	9.113	...	H1-1b
16	BRACE1	PIPE_2.0	.013	1.573	32	.198	3.145		2	28.536	32.13	1.872	1.872	...	H1-1b
17	RAIL1	PIPE_2.0	.283	5.078	8	.193	10....		2	6.295	32.13	1.872	1.872	...	H1-1b
18	BRACE2	PIPE_2.0	.010	1.573	11	.181	0		32	28.536	32.13	1.872	1.872	...	H1-1b
19	BRACE3	PIPE_2.0	.010	1.573	2	.179	0		11	28.536	32.13	1.872	1.872	...	H1-1b
20	SO2a	PIPE_3.0	.732	6.001	33	.178	6.001		2	62.089	78.246	6.899	6.899	...	H1-1b
21	SO1a	PIPE_3.0	.816	6.001	10	.162	6.001		17	62.089	78.246	6.899	6.899	...	H1-1b
22	SO3a	PIPE_3.0	.683	6	21	.149	6		11	62.089	78.246	6.899	6.899	...	H1-1b
23	RAIL3	PIPE_2.0	.284	7.422	32	.125	10....		29	6.295	32.13	1.872	1.872	...	H1-1b
24	MP GAMMA2	PIPE_2.5	.221	3.5	2	.116	3.5		32	30.038	50.715	3.596	3.596	...	H1-1b
25	RAIL2	PIPE_2.0	.276	7.552	8	.110	1.042		2	6.295	32.13	1.872	1.872	...	H1-1b
26	FACE3A	PIPE_3.0	.211	1.042	33	.099	7.422		2	28.251	65.205	5.749	5.749	...	H1-1b
27	FACE1A	PIPE_3.0	.212	7.813	3	.096	7.943		11	28.251	65.205	5.749	5.749	...	H1-1b
28	MP ALPHA2	PIPE_2.5	.241	3.5	26	.088	3.5		11	30.038	50.715	3.596	3.596	...	H1-1b
29	FACE2A	PIPE_3.0	.212	4.688	9	.084	.521		32	28.251	65.205	5.749	5.749	...	H1-1b
30	MP ALPHA1	PIPE_2.5	.392	4	8	.083	6.75		32	30.038	50.715	3.596	3.596	...	H1-1b
31	MP BETA2	PIPE_2.5	.244	3.5	8	.081	3.5		2	30.038	50.715	3.596	3.596	...	H1-1b
32	MP GAMMA1	PIPE_2.5	.385	4	32	.055	4		32	30.038	50.715	3.596	3.596	...	H1-1b
33	MP ALPHA3	PIPE_2.5	.269	2.5	37	.054	2.5		32	37.774	50.715	3.596	3.596	...	H1-1b
34	MP BETA3	PIPE_2.5	.232	2.5	8	.054	2.5		11	37.774	50.715	3.596	3.596	...	H1-1b
35	MP BETA1	PIPE_2.5	.339	4	17	.052	4		29	30.038	50.715	3.596	3.596	...	H1-1b
36	MP GAMMA3	PIPE_2.5	.227	2.5	21	.047	2.5		23	37.774	50.715	3.596	3.596	...	H1-1b
37	SUP3B	L2x2x3	.232	4.041	11	.030	0	z	12	10.321	23.393	.558	1.163	...	H2-1
38	SUP1B	L2x2x3	.258	4.041	5	.029	0	z	24	10.321	23.393	.558	1.094	...	H2-1
39	SUP2B	L2x2x3	.255	4.041	17	.028	0	z	36	10.321	23.393	.558	1.107	...	H2-1
40	SUP1A	L2x2x3	.340	0	11	.027	4.041	z	30	10.321	23.393	.558	1.178	...	H2-1
41	SUP2A	L2x2x3	.314	4.041	23	.026	0	y	6	10.321	23.393	.558	1.162	...	H2-1
42	SUP3A	L2x2x3	.352	0	35	.024	4.041	z	18	10.321	23.393	.558	1.164	...	H2-1
43	MP ALPHA4	PIPE_2.0	.071	0	11	.008	0		11	29.81	32.13	1.872	1.872	...	H1-1b

Envelope AISI S100-16: LRFD Cold Formed Steel Code Checks

	Member	Shape	Code...	Loc[ft]	LC	Shea...	Loc[ft]	Dir	LC	phi*Pn[...	phi*Tn[k]	phi*Mn...	phi*Mn...	phi*...	phi*...	Cb	Eqn
1	CR3B	CU3.38x2.06	.799	2.565	27	.550	.534	y	6	35.274	45.461	1.144	3.869	9.619	12.7...	1.606	H1.2-1
2	CR3A	CU3.38x2.06	.785	0	3	.393	2.031	y	24	35.274	45.461	1.144	3.869	9.619	12.7...	1.593	H1.1-2
3	CR2B	CU3.38x2.06	.785	2.565	15	.461	.534	y	30	35.274	45.461	1.144	3.869	9.619	12.7...	1.596	H1.1-2
4	CR2A	CU3.38x2.06	.728	2.565	27	.492	.534	y	12	35.274	45.461	1.144	3.869	9.619	12.7...	1.612	H1.1-2
5	CR1B	CU3.38x2.06	.849	0	3	.466	2.031	y	18	35.274	45.461	1.144	3.869	9.619	12.7...	1.589	H1.2-1
6	CR1A	CU3.38x2.06	.791	0	15	.484	2.031	y	36	35.274	45.461	1.144	3.869	9.619	12.7...	1.602	H1.1-2

APPENDIX D

Additional Calculations

POD
POWER OF DESIGN

POD Job #	**20-64949**
Site Number	**826222**
Site Name	**Newtown/RT - 25**

Calculations Based on *TIA-222-H*

Reactions from RISA-3D

Moment	4.762	ft-kip
Axial	0.266	kips
Shear	2.16	kips

Capacities

Bolts	*4.3%*
Flange Plate	*36.7%*

Bolt Information

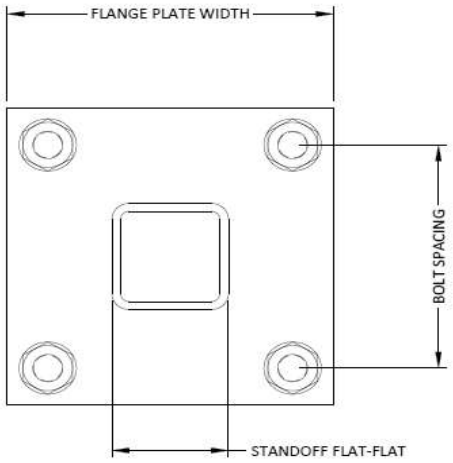
Grade	A325	
Threads in Shear Plane	Included	
Diameter	0.625	in.
Bolt Spacing	7	in.
Number of Rods	4	

Flange Plate Inforation

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

Standoff Information

Standoff Member	Pipe	
Diameter	3.5	in.
Thickness	0.18	in.



Bolt Calculations

ϕ	0.75	
A_{nt}	0.226	in^2
A_b	0.307	in^2
Fu	120	ksi
ϕR_{nV}	13.81	kips
ϕR_{nt}	20.34	kips
V	0.54	kips
F	4.14	kips
Capacity	4.3%	

Flange Plate Calculations

ϕ	0.9	
Fy	50	ksi
t_{min}	0.24	in
Z	0.9	in^3
ϕM_n	39.6	in-kip
M_u	14.5	in-kip
Capacity	36.7%	

APPENDIX E

Wind Speed Documentation

Hazards by Location

Search Information

Coordinates: 41.378144, -73.274150

Elevation: 403 ft

Timestamp: 2020-06-05T12:18:44.122Z

Hazard Type: Wind

ASCE 7-16

MRI 10-Year	75 mph
MRI 25-Year	83 mph
MRI 50-Year	89 mph
MRI 100-Year	96 mph
Risk Category I	107 mph
Risk Category II	117 mph
Risk Category III	126 mph
Risk Category IV	⚠ 130 mph

You are in a wind-borne debris region if you are also within 1 mile of the coastal mean high water line.

ASCE 7-10

MRI 10-Year	76 mph
MRI 25-Year	85 mph
MRI 50-Year	92 mph
MRI 100-Year	98 mph
Risk Category I	109 mph
Risk Category II	119 mph
Risk Category III-IV	128 mph

ASCE 7-05

ASCE 7-05 Wind Speed	102 mph

The results indicated here DO NOT reflect any state or local amendments to the values or any delineation lines made during the building code adoption process. Users should confirm any output obtained from this tool with the local Authority Having Jurisdiction before proceeding with design.

Disclaimer

Hazard loads are interpolated from data provided in ASCE 7 and rounded up to the nearest whole integer. Per ASCE 7, islands and coastal areas outside the last contour should use the last wind speed contour of the coastal area – in some cases, this website will extrapolate past the last wind speed contour and therefore, provide a wind speed that is slightly higher. NOTE: For queries near wind-borne debris region boundaries, the resulting determination is sensitive to rounding which may affect whether or not it is considered to be within a wind-borne debris region.

Mountainous terrain, gorges, ocean promontories, and special wind regions shall be examined for unusual wind conditions.

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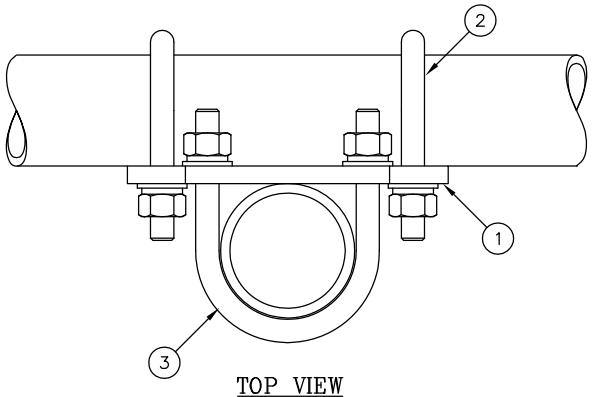
APPENDIX F

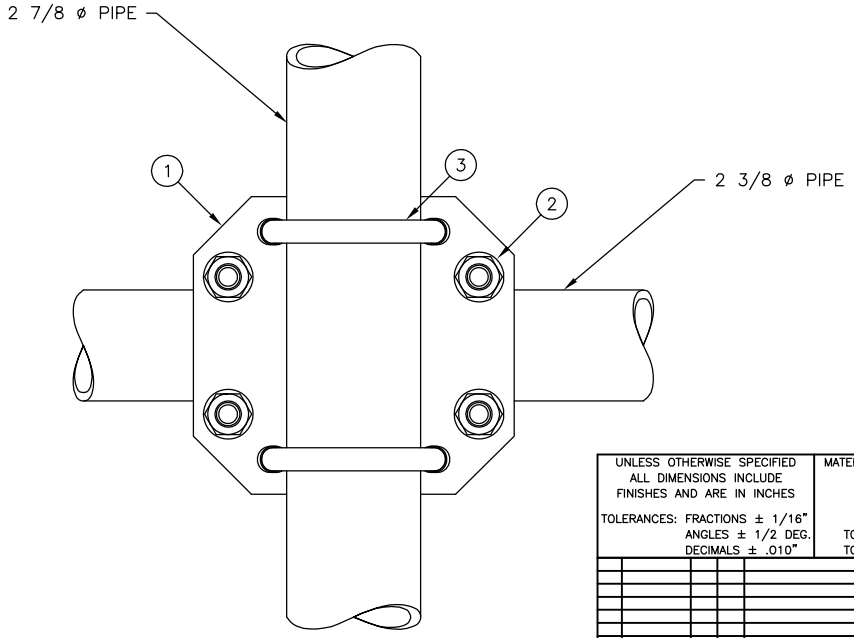
Manufacture Specifications

Distributed By
Rosenberger
Rosenberger Site Solutions, LLC
Call 1.866.598.5250 or visit www.RLSS.us

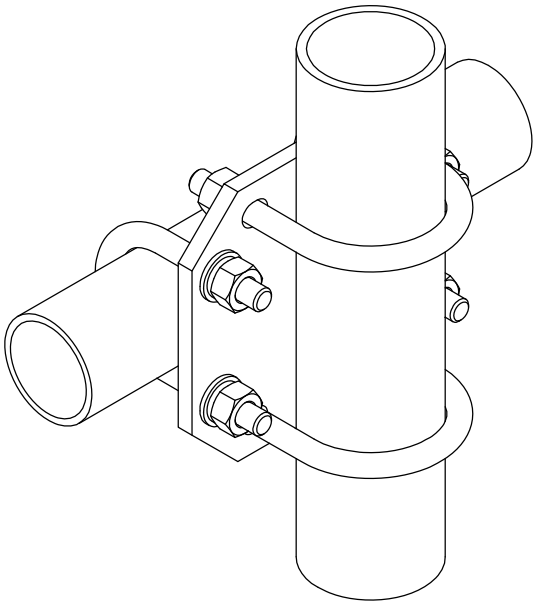
C1090212 CROSSOVER PLATE KIT				
ITEM	QTY.	PART NO.	DESCRIPTION	WEIGHT
1.	1	CS03116	CROSSOVER PLATE	4
2.	2	C40034139	U-BOLT ASSEMBLY, 1/2 ø X 2 15/16 C-C	2
3.	2	C40034140	U-BOLT ASSEMBLY, 1/2 ø X 3 7/16 C-C	2
			TOTAL WEIGHT	8



TOP VIEW



FRONT VIEW



ISOMETRIC VIEW

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS INCLUDE FINISHES AND ARE IN INCHES TOLERANCES: FRACTIONS ± 1/16" ANGLES ± 1/2 DEG. DECIMALS ± .010"	MATERIAL: TOLERANCES DO NOT APPLY TO RAW MATERIAL

REV	DATE	DRW	CHK	DESCRIPTION

Sabre Industries
Towers and Poles

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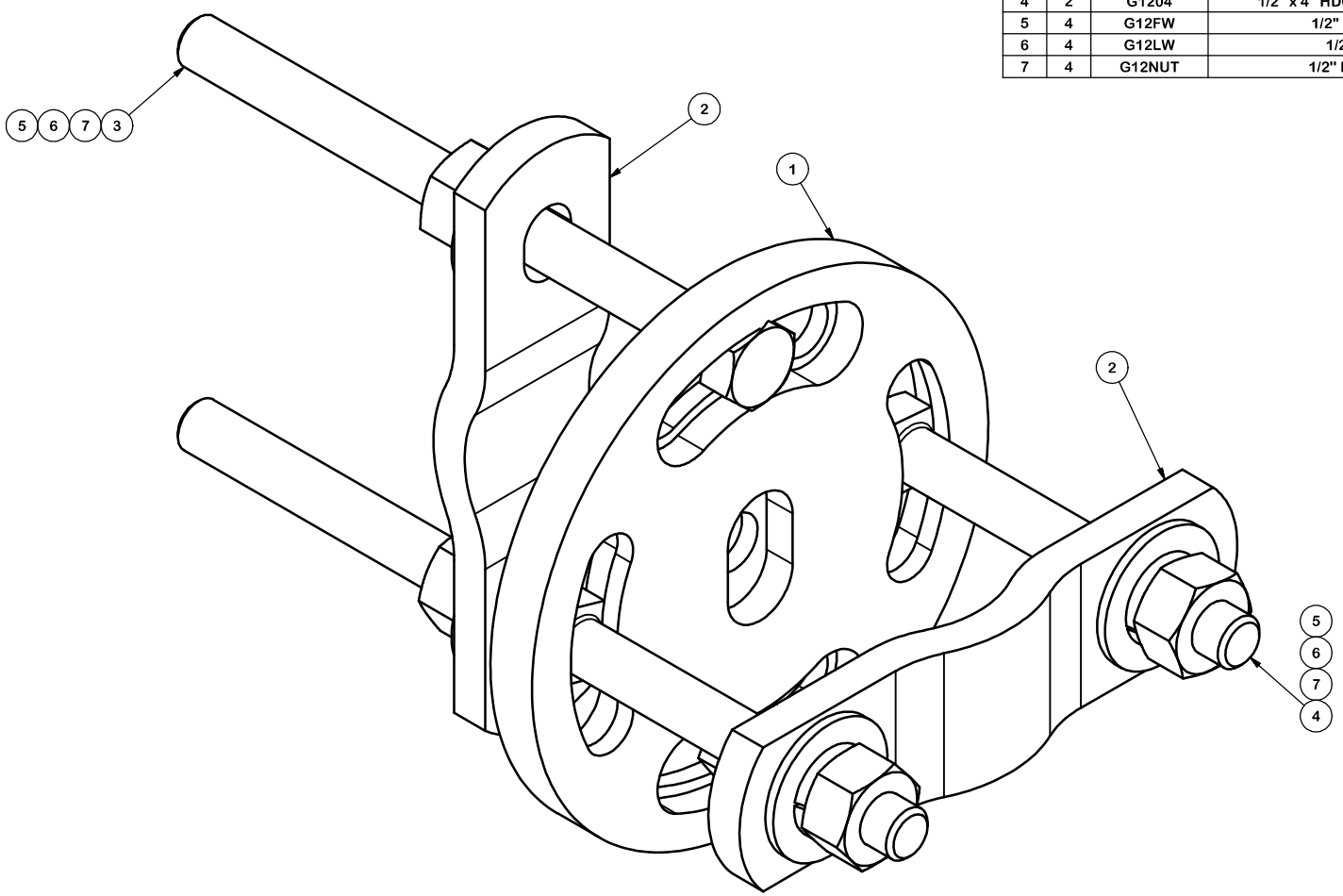
CROSSOVER PLATE KIT
2 3/8"ø TO 2 7/8"ø PIPES
(1/2"ø U-BOLTS)

DATE	06/26/14
DRAWN BY	WRF
CHECKED BY	KLE

SIZE	DRAWING NO.	REV
B	C10902012	0

SCALE	PAGE
None	1 OF 1

PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	1	X-127594	FLAT DISK CLAMP PLATE 4" CENTERS (GALVANIZED)		2.48	2.48
2	2	X-100064	CLAMP (S) (4" V-CLAMP) GALVANIZED		0.91	1.83
3	2	G12065	1/2" x 6-1/2" HDG HEX BOLT GR5 FULL THREAD	6 1/2 in	0.41	0.82
4	2	G1204	1/2" x 4" HDG HEX BOLT GR5 FULL THREAD	4 in	0.27	0.54
5	4	G12FW	1/2" HDG USS FLATWASHER		0.03	0.14
6	4	G12LW	1/2" HDG LOCKWASHER		0.01	0.06
7	4	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	0.29
					TOTAL WT. #	6.16



TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
SAWED, SHEARED AND GAS CUT EDGES *(± 0.030")*
DRILLED AND GAS CUT HOLES *(± 0.030")* - NO CONING OF HOLES
LASER CUT EDGES AND HOLES *(± 0.010")* - NO CONING OF HOLES
BENDS ARE ± 1/2 DEGREE
ALL OTHER MACHINING *(± 0.030")*
ALL OTHER ASSEMBLY *(± 0.060")*

PROPRIETARY NOTE:
THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS STRICTLY PROHIBITED.

DESCRIPTION
ADJUSTABLE CLAMP PLATE
TIE-BACK ASSEMBLY

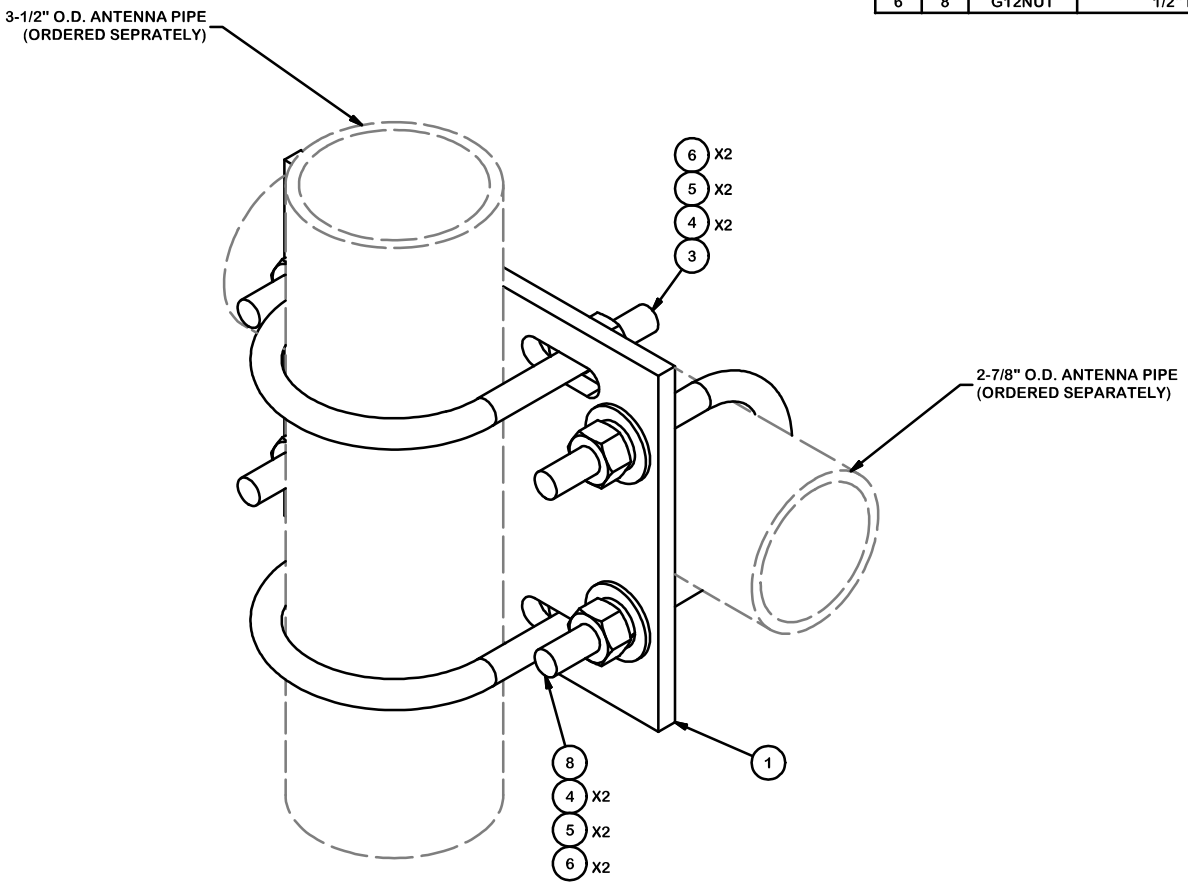
SITE PRO 1
A valmont COMPANY

Engineering Support Team:
1-888-753-7446

Locations:
New York, NY
Atlanta, GA
Los Angeles, CA
Plymouth, IN
Salem, OR
Dallas, TX

CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.	PAGE
	CEK 8/30/2010		PUCK	1 OF 1
CLASS / SUB	DRAWING USAGE	CHECKED BY	DWG. NO.	
81 / 01	CUSTOMER	BMC 9/1/2010	PUCK	

PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	1	SCX4	CROSSOVER PLATE	8 1/2 in	6.02	6.02
3	2	X-UB1358	1/2" X 3-5/8" X 5-1/2" X 3" U-BOLT (HDG.)		0.73	1.46
8	2	X-UB1300	1/2" X 3" X 5" X 2" U-BOLT (HDG.)		0.73	1.46
4	8	G12FW	1/2" HDG USS FLATWASHER		0.03	0.27
5	8	G12LW	1/2" HDG LOCKWASHER		0.01	0.11
6	8	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	0.57
					TOTAL WT. #	9.92



TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
SAWED, SHEARED AND GAS CUT EDGES *(± 0.030")*
DRILLED AND GAS CUT HOLES *(± 0.030")* - NO CONING OF HOLES
LASER CUT EDGES AND HOLES *(± 0.010")* - NO CONING OF HOLES
BENDS ARE ± 1/2 DEGREE
ALL OTHER MACHINING *(± 0.030")*
ALL OTHER ASSEMBLY *(± 0.060")*

PROPRIETARY NOTE:
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DESCRIPTION: CROSSOVER PLATE KIT

SITE PRO 1 — A valmont COMPANY

Engineering Support Team: 1-888-753-7446

Locations:
New York, NY
Atlanta, GA
Los Angeles, CA
Plymouth, IN
Salem, OR
Dallas, TX

CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.	PAGE
	CEK 2/19/2015		SCX45-K	1 OF 1

CLASS	SUB	DRAWING USAGE	CHECKED BY	DWG. NO.
81	01	CUSTOMER	BMC 2/19/2015	SCX45-K

APPENDIX G

Mount Modification Design Drawings

CROWN CASTLE

SITE:

826222 NEWTOWN/RT - 25 (10091788)

MODIFICATION DRAWING FOR AN EXISTING 12.5' PLATFORM AT 110' ON A 150' MONOPOLE TOWER

SHEET INDEX	
T-01	TITLE SHEET
N-01	NOTES
S-01	PLAN VIEW
S-02	ELEVATION VIEW
MI-01	MODIFICATION CHECKLIST

PROJECT INFORMATION	
COUNTY:	FAIRFIELD
SITE ADDRESS:	201 SOUTH MAIN STREET NEWTOWN, CT 06470
LATITUDE:	41° 22' 41.32"
LONGITUDE:	-73° 16' 26.94"

SCOPE OF WORK:

MOUNT MODIFICATION DRAWINGS INCLUDES:
INSTALL PROPOSED SUPPORT RAIL, CORNER BRACES, & MOUNT PIPES.

PLANS PREPARED FOR:
CROWN CASTLE

PLANS PREPARED BY:
POD
POWER OF DESIGN
1033 E. TURKEYFOOT LAKE RD.
SUITE 206 AKRON, OHIO 44312
330-961-7432

CARRIER:
AT&T

DRAWING NOTICE:
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MODIFICATION DRAWING

REV.	DATE	DESCRIPTION

SITE INFORMATION:
NEWTOWN/RT - 25
(10091788)

201 SOUTH MAIN STREET
NEWTOWN, CT 06470

SITE NUMBER:
826222

POD NUMBER: 20-64978

DRAWN BY: TAJ
CHECKED BY: JGC
DATE: 06/08/2020

SHEET TITLE:
TITLE SHEET

T-01

GENERAL NOTES

1. THE MODIFICATIONS REPRESENTED IN THESE DRAWINGS ARE BASED ON THE STRUCTURAL DOCUMENTS PROVIDED IN THE STRUCTURAL DOCUMENTS TABLE. THE CONTRACTOR SHALL OBTAIN AND BECOME FAMILIAR WITH ALL REFERENCED DOCUMENTS.

REFERENCE DOCUMENTS	
DOCUMENT TYPE	DESIGNATION
MOUNT ANALYSIS	POD PROJECT NUMBER: 20-64949 DATED: 06/05/2020

2. ALL MODIFICATIONS MUST BE INSTALLED TO BRING THE TOWER INTO CONFORMANCE WITH ALL APPLICABLE CODES.

GOVERNING CODES	TIA-222-H
ULTIMATE WIND SPEED	117 MPH 3 SECOND GUST
RADIAL ICE THICKNESS	1"
WIND SPEED W/ ICE	50 MPH 3 SECOND GUST
STRUCTURE CLASS	II
EXPOSURE CATEGORY	C
TOPOGRAPHIC CATEGORY	1
SPECTRAL RESPONSE ACCELERATIONS	SS= 0.210 & S1= 0.055

3. ALL WORK PRESENTED ON THESE DRAWINGS MUST BE COMPLETED BY THE CONTRACTOR UNLESS NOTED OTHERWISE OR APPROVED BY THE EOR. THE CONTRACTOR MUST HAVE CONSIDERABLE EXPERIENCE PERFORMING WORK SIMILAR TO THAT DESCRIBED WITHIN THESE DRAWINGS. BY ACCEPTANCE OF THIS PROJECT, THE CONTRACTOR IS ATTESTING THAT HE HAS SUFFICIENT EXPERIENCE AND ABILITY, THAT HE IS KNOWLEDGEABLE OF THE WORK TO BE PERFORMED AND THAT HE IS PROPERLY LICENSED AND REGISTERED TO PERFORM THE WORK IN THE PROJECT JURISDICTION.
4. WORK SHALL ONLY BE PERFORMED DURING CALM, DRY DAYS (WINDS LESS THAN 10XMPH). IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE INSTILLATION PROCEDURE AND SEQUENCE TO INSURE THE SAFETY OF THE STRUCTURE AND ITS COMPONENT PARTS DURING ERECTION AND/OR MODIFICATIONS. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF TEMPORARY BRACING, GUYS OR TIEXDOWNS THAT MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER THE COMPLETION OF THE PROJECT.
5. ALL DIMENSIONS, ELEVATIONS AND EXISTING CONDITIONS SHOWN ON THE DRAWINGS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO BEGINNING ANY MATERIALS ORDERING, FABRICATION OR CONSTRUCTION WORK ON THIS PROJECT. CONTRACTOR SHALL NOT SCALE CONTRACT DRAWINGS IN LIEU OF FIELD VERIFICATIONS. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND EOR. THE DISCREPANCIES MUST BE RESOLVED BEFORE THE CONTRACTOR IS TO PROCEED WITH THE WORK. THE CONTRACT DOCUMENTS DO NOT INDICATE THE METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY THE OWNER AND/OR THE EOR SHALL NOT INCLUDE INSPECTION OF THE PROTECTIVE MEASURES AND PROCEDURES.
6. THE DESIGN WITHIN THESE DRAWINGS ASSUMES THE TOWER AND ITS FOUNDATIONS HAVE BEEN WELL MAINTAINED, IN GOOD CONDITION AND ARE WITHOUT DEFECT. BENT MEMBERS, CORRODED MEMBER, LOOSE BOLTS, CRACKED WELDS, AND OTHER STRUCTURAL DEFECTS HAVE NOT BEEN CONSIDERED UNLESS SPECIFICALLY NOTED. THE TOWER IS ASSUMED TO BE PLUMB AND THE SITE IS ASSUMED LEVEL. THE OWNER AND/OR EOR SHALL BE NOTIFIED IMMEDIATELY IF ANY VARIANCES ARE FOUND.
7. THE CONTRACTOR SHALL ONLY WORK WITHIN THE LIMITS OF THE TOWER OWNER'S PROPERTY, LEASE AREA OR APPROVED EASEMENTS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY WORK IS PERFORMED WITHIN THESE BOUNDARIES. CONSTRUCTION STAKING AND BOUNDARY MARKING IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL EMPLOY A SURVEYOR AS REQUIRED. ANY WORK OUTSIDE THESE BOUNDARIES SHALL BE APPROVED IN WRITING BY THE OWNER.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAIN AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR INSURING THAT ALL WORK PERFORMED COMPLIES WITH ALL APPLICATION SAFETY CODES AND GOVERNING REGULATIONS.
9. ACCESS TO THE PROPOSED WORK SITE MAY BE RESTRICTED. THE CONTRACTOR SHALL COORDINATE INTENDED CONSTRUCTION ACTIVITY, INCLUDING WORK SCHEDULES AND MATERIAL DELIVERIES, WITH THE OWNER/RESIDENT LEASING AGENT FOR APPROVAL.
10. THE CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS FOR THIS PROJECT FROM ALL APPLICABLE GOVERNING AGENCIES. THE CONTRACTOR WILL BE RESPONSIBLE FOR ABIDING BY ALL CONDITIONS AND REQUIREMENTS OF THE PERMITS.
11. ALL MATERIAL UTILIZED FOR THIS PROJECT MUST BE NEW AND FREE OF ANY DEFECTS. ANY MATERIAL SUBSTITUTIONS, INCLUDED BUT NOT LIMITED TO ALTERED SIZED AND/OR STRENGTHS, MUST BE APPROVED BY THE EOR.
12. UNLESS NOTED OTHERWISE, ALL NEW MEMBERS SHALL MAINTAIN THE EXISTING MEMBER WORKING LINES AND NOT INTRODUCE ECCENTRICITIES INTO THE STRUCTURE.
13. ALL DIMENSIONS AND QUANTITIES LISTED WITHIN THESE DRAWINGS ARE INTENDED TO AID THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY ALL DIMENSION AND QUANTITIES PRIOR TO BIDDING AND/OR ORDERING MATERIALS.
14. ALL MANUFACTURERS' INSTRUCTIONS SHALL BE FOLLOWED EXACTLY. ANY DEVIATION REQUIRES WRITTEN APPROVAL FROM THE EOR.
15. THE CONTRACTOR IS RESPONSIBLE FOR TEMPORARILY REMOVING COAX, BRACKETS, ANTENNAS MOUNTS AND ANY OTHER TOWER APPURTENANCE THAT MAY INTERFERE WITH THE INSTILLATION OF THE TOWER MODIFICATIONS. ALL TOWER APPURTENANCES MUST BE REPLACE AND/OR RESTORED TO ITS ORIGINAL LOCATION. SOME MOUNTS OR ATTACHMENTS MAY REQUIRE CUSTOM MODIFICATION TO PROPERLY FIT THE MODIFIED REGION OF THE STRUCTURE. THESE CUSTOM MOUNTS OR ATTACHMENTS ARE DESIGNED BY OTHERS AND MUST BE APPROVED BY THE OWNER/EOR PRIOR TO REMOVAL. ANY CARRIER DOWNTIME MUST BE COORDINATED WITH THE OWNER IN WRITING.
16. DO NOT SCALE DRAWINGS.

STRUCTURAL STEEL NOTES

1. ALL DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE AISC SPECIFICATIONS, LATEST EDITION.
2. ALL STRUCTURAL STEEL ELEMENTS SHALL CONFORM TO THE FOLLOWING REQUIREMENTS.

MATERIAL SPECIFICATIONS	
PIPES	ASTM A53 GR.B (35 KSI YIELD STRENGTH)
BOLTS	ASTM A325N
NUTS	ASTM A563
WASHER	ASTM F436
PLATE	ASTM A36 (36 KSI YIELD STRENGTH)
U-BOLTS	ASTM A307

3. ALL CONNECTIONS NOT FULLY DETAILED ON THESE PLANS SHALL BE DETAILED BY THE FABRICATOR IN ACCORDANCE WITH AISC SPECIFICATIONS, LATEST EDITION.
4. CAULKING SHALL BE PROVIDED AROUND PERIMETER OF ANY AND ALL MODIFICATION MEMBERS TO ENSURE COMPLETE SEAL BETWEEN EXISTING STRUCTURE AND REINFORCING MEMBERS IN FULL CONTACT WITH EXISTING STEEL. SEALANT IS TO BE EXTERIOR GRADE, PAINTABLE SILICONE CAULKING AS MANUFACTURED BY DOW AND ACCEPTABLE TO EOR.
5. HOLES SHALL NOT BE FLAME CUT THROUGH STEEL UNLESS APPROVED BY THE EOR.
6. ALL EXPOSED STEEL SHALL BE HOTXDIPPED GALVANIZED PER ASTM A123, ASTM A153/A153M, OR ASTM A653 G90, AS APPLICABLE FOR FULL WEATHER PROTECTION. FOR HIGH STRENGTH STEEL FASTENERS WHERE HOTXDIPPED GALVANIZING IS NOT PERMITTED DACROMET F1136 GRADE 3 COATING SHALL BE USED. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING TOWER STEEL. CONTRACTOR SHALL OBTAIN EOR APPROVAL FOR STEEL PROTECTION BY ANY OTHER MEANS.
7. REPAIR DAMAGED PAINTED/GALVANIZED SURFACES WITH TWO COATS OF BRUSH OR ROLL ON ZRC COLD GALVANIZING COMPOUND OR EOR APPROVED COATING. SURFACES MUST BE WIRE BRUSHED AND SOLVENT CLEANED PRIOR TO APPLICATION OF GALVANIZING COMPOUND.
8. ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES (LOCKING NUT/PAL NUT) TO BE INSTALLED IN ACCORDANCE WITH TIA/EIAX222 REQUIREMENTS.
9. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT BE AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.

PLANS PREPARED FOR:

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PLANS PREPARED BY:

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826222

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DRAWN BY:	TAJ
CHECKED BY:	JGC
DATE:	06/08/2020

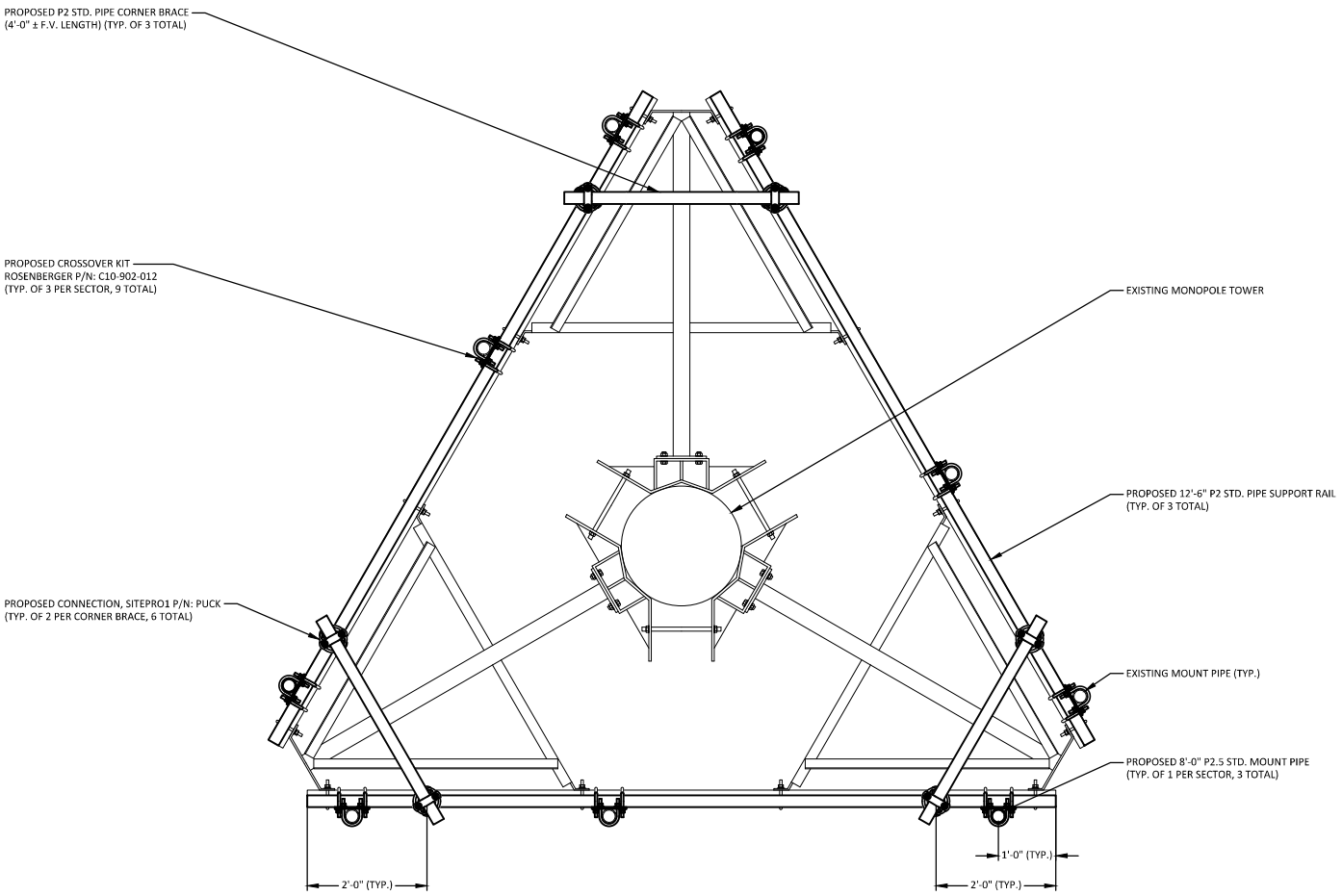
SHEET TITLE:

NOTES

N-01

NOTES:

- ANTENNAE & GRATING NOT SHOWN FOR CLARITY
- ALL FIELD CUT MEMBERS SHALL BE SOLVENT CLEANED AND TOUCHED UP WITH TWO COATS OF ZRC RICH PAINT
- EXCESS MATERIALS SHALL BE REMOVED AND DISPOSED OFF SITE BY THE CONTRACTOR



PLAN VIEW

1/2" = 1'-0"

PLANS PREPARED FOR:

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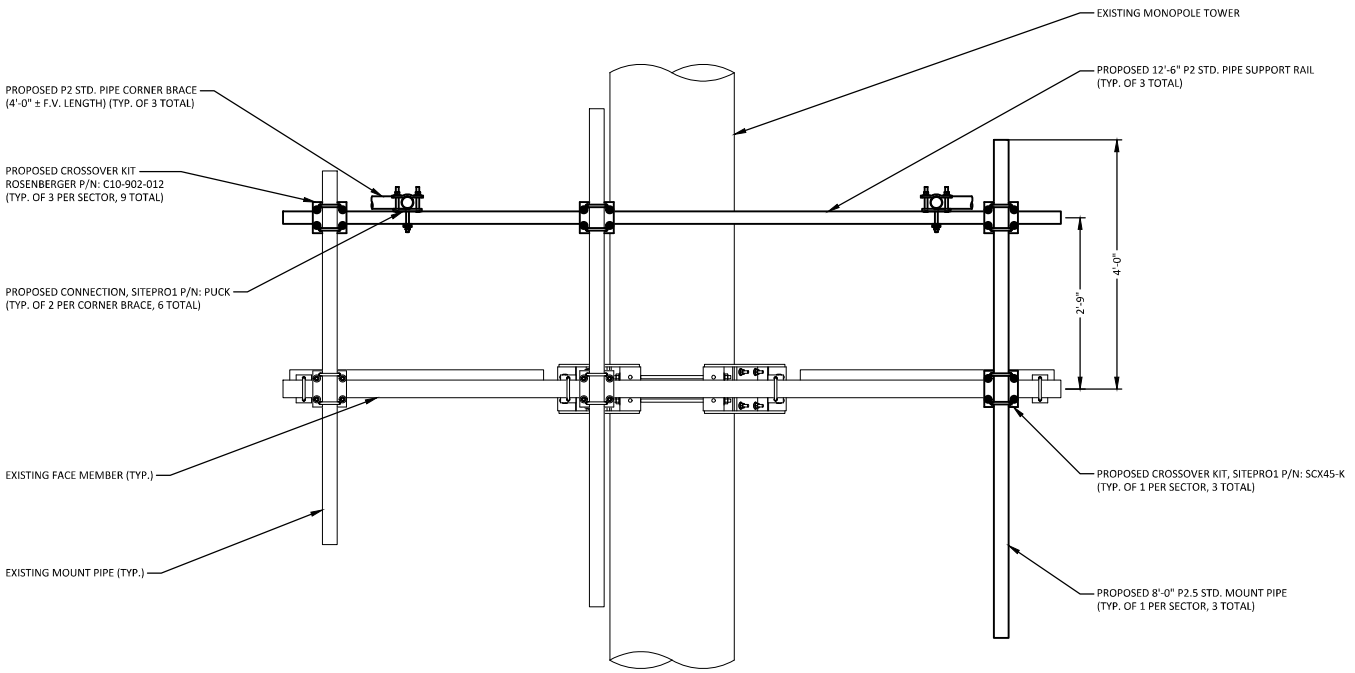
PLAN VIEW

S-01

NOTES:
- ANTENNAE & GRATING NOT SHOWN FOR CLARITY
- ALL FIELD DRILLED HOLES SHALL BE SOLVENT CLEANED AND TOUCHED UP WITH TWO COATS OF ZRC RICH PAINT
- EXCESS MATERIALS SHALL BE REMOVED AND DISPOSED OFF SITE BY THE CONTRACTOR



ELEVATION VIEW
1/2" = 1'-0"

PLANS PREPARED FOR:
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SHEET TITLE:
ELEVATION VIEW

S-02

MODIFICATION INSPECTION CHECKLIST

BEFORE CONSTRUCTION		DURING CONSTRUCTION		AFTER CONSTRUCTION	
CONSTRUCTION/INSTALLATION INSPECTION AND TESTING REQUIRED (COMPLETED BY ENGINEER OF RECORD)	REPORT ITEM	CONSTRUCTION/INSTALLATION INSPECTION AND TESTING REQUIRED (COMPLETED BY ENGINEER OF RECORD)	REPORT ITEM	CONSTRUCTION/INSTALLATION INSPECTION AND TESTING REQUIRED (COMPLETED BY ENGINEER OF RECORD)	REPORT ITEM
X	MODIFICATION INSPECTION CHECKLIST DWG	X	CONSTRUCTION INSPECTION	X	MODIFICATION INSPECTOR REDLINE OR RECORD DRAWING(S)
-	ENGINEER OF RECORD APPROVED SHOP DRAWINGS	-	FOUNDATION INSPECTION	-	POST INSTALLED ANCHOR ROD PULL-OUT TESTING
-	FABRICATION INSPECTION	-	CONCRETE COMP. STRENGTH AND SLUMP TEST	X	PHOTOGRAPHS
X	MATERIAL TEST REPORT	-	POST INSTALLED ANCHOR ROD VERIFICATION	ADDITIONAL TESTING AND INSPECTION	
-	FABRICATOR NDE INSPECTION	-	BASE PLATE GROUT VERIFICATION		
-	NDE REPORT OF MONOPOLE BASEPLATE (AS REQUIRED)	-	THIRD PARTY CERTIFIED WELD INSPECTION		
X	PACKING SLIP	-	EARTHWORK LIFT AND DENSITY (REPORT REQUIRED)		
ADDITIONAL TESTING AND INSPECTION		X	ON SITE COLD GALVANIZING VERIFICATION		
		-	GUY WIRE TENSION REPORT		
		X	GC AS-BUILT DOCUMENTS		
		ADDITIONAL TESTING AND INSPECTION			

MODIFICATION INSPECTION NOTES:

GENERAL:

1. THE MODIFICATION INSPECTION IS A VISUAL INSPECTION OF TOWER MODIFICATION AND A REVIEW OF CONSTRUCTION INSPECTION AND OTHER REPORTS TO ENSURE THE INSTALLATION WAS CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. NAMELY THE MODIFICATION DRAWINGS., AS DESIGNED BY THE ENGINEER OF RECORD.

2. THE MODIFICATION INSPECTION IS TO CONFIRM INSTALLATION CONFIGURATION AND WORKMANSHIP ONLY AN IS NOT A REVIEW OF THE MODIFICATION DESIGN ITSELF. NOR DOES THE MODIFICATION INSPECTOR TAKE OWNERSHIP OF THE MODIFICATION DESIGN. OWNERSHIP OF THE STRUCTURAL MODIFICATION DESIGN EFFECTIVENESS AND INTENT RESIDES WITH THE ENGINEER OF RECORD AT ALL TIMES.

3. TO ENSURE THAT THE REQUIREMENT OF THE MODIFICATION INSPECTION ARE MET, IT IS VITAL THAT THE GENERAL CONTRACTOR (GC) AND THE MODIFICATION INSPECTOR BEGIN COMMUNICATION AND COORDINATING AS SOON AS A PO OR PAYMENT IS RECEIVED. IT IS EXPECTED THAT EACH PARTY WILL BE PROACTIVE IN REACHING OUT TO THE OTHER PARTY.

MODIFICATION INSPECTOR:

1. THE MODIFICATION INSPECTOR IS REQUIRED TO CONTACT THE GC AS SOON AS RECEIVING A PO OR PAYMENT FOR THE MODIFICATION INSPECTION TO:

- REVIEW THE REQUIREMENT OF THE MODIFICATION INSPECTION CHECKLIST
- WORK WITH THE GC TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE
- INSPECTIONS
- DISCUSS ANY SITE SPECIFIC INSPECTIONS OR CONCERNS

2. THE MODIFICATION INSPECTOR IS RESPONSIBLE FOR COLLECTING ALL GENERAL CONTRACTOR (GC) INSPECTION AND TEST REPORTS. REVIEWING THE DOCUMENTS FOR ADHERENCE TO THE CONTRACT DOCUMENTS, CONDUCTING THE INXFEILD INSPECTIONS, AND SUBMITTING THE MODIFICATION INSPECTION REPORT.

GENERAL CONTRACTOR:

1. THE GC IS REQUIRED TO CONTACT THE MODIFICATION INSPECTOR AS SOON AS RECEIVING A PO OR PAYMENT FOR THE MODIFICATION INSTALLATION OR TURNKEY PROJECT TO:

- REVIEW THE REQUIREMENT OF THE MODIFICATION INSPECTION CHECKLIST
- WORK WITH THE MI INSPECTOR TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE MODIFICATION INSPECTIONS, INCLUDING FOUNDATION INSPECTIONS
- BETTER UNDERSTAND ALL INSPECTION AND TESTING REQUIREMENTS

2. THE GC SHALL PERFORM AND RECORD THE TEST AND INSPECTION RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE MODIFICATION INSPECTION CHECKLIST.

RECOMMENDATIONS:

1. IT IS SUGGESTED THAT THE GC PROVIDE A MINIMUM OF 5 BUSINESS DAYS NOTICE, TO THE MODIFICATION INSPECTOR AS TO WHEN THE SITE WILL BE READY FOR HE MODIFICATION INSPECTION TO BE CONDUCTED.

- THE GC AND MODIFICATION INSPECTION COORDINATE CLOSELY THROUGHOUT THE ENTIRE PROJECT.
- WHEN POSSIBLE IT IS PREFERRED TO HAVE THE MODIFICATION INSPECTOR AND GC ON-SITE SIMULTANEOUSLY FOR ANY GUY WIRE TENSIONING OR REXTENSIONING OPERATIONS.
- IT MAY BE BENEFICIAL TO INSTALL ALL TOWER MODIFICATIONS PRIOR TO CONDUCTING THE FOUNDATION INSPECTION TO ALLOW FOUNDATION AND MODIFICATION INSPECTION(S) DONE IN ONE SITE VISIT.
- WHEN POSSIBLE, IT IS PREFERRED TO HAVE THE GC AND MODIFICATION INSPECTOR ON-SITE DURING THE MODIFICATION INSPECTION. THEREFORE, THE GC MAY CHOOSE TO COORDINATE THE MODIFICATION INSPECTION CAREFULLY TO ENSURE ALL CONSTRUCTION FACILITIES AT THEIR DISPOSAL WHEN THE MI INSPECTOR IS ON SITE.

CANCELLATION OR DELAYS IN SCHEDULED MODIFICATION INSPECTION:

1. IF THE GC AND MODIFICATION INSPECTOR AGREE TO A DATE ON WHICH THE MODIFICATION INSPECTION WILL BE CONDUCTED, AND EITHER ARTY CANCELS OR DELAYS, THE TOWER OWNER SHALL NOT BE RESPONSIBLE FOR ANY COSTS, FEES, LOSS OR DEPOSITS AND/OR OTHER PENALTIES RELATE TO THE CANCELLATION OR DELAY INCURRED BY EITHER PARTY FOR ANY TIME. EXCEPTIONS MAY BE MADE IN THE DELAY/ CANCELLATION IS CAUSED BY WEATHER OR OTHER CONDITIONS THAT MAY COMPROMISE THE SAFETY OF THE PARTIES INVOLVED.

CORRECTION OF FAILING MODIFICATION INSPECTION:

1. IF THE MODIFICATION INSTALLATION WOULD FAIL THE MODIFICATION INSPECTION ("FAILED MODIFICATION INSPECTION"), THE GC SHALL WORK WITH MODIFICATION INSPECTOR TO COORDINATE A REMEDIATION PLAN IN ONE OF TWO WAYS:

- CORRECT FAILING ISSUES TO COMPLY WITH THE SPECIFICATIONS CONTAINED IN THE ORIGINAL CONTRACT DOCUMENTS AND COORDINATE A SUPPLEMENT MODIFICATION INSPECTION. OR, WITH TOWER OWNER'S APPROVAL, THE GC MAY WORK WITH THE ENGINEER OF RECORD TO REXANALYZE THE MODIFCATION/REINFORCEMENT USING AS-BUILT CONDITION.

VERIFICATION INSPECTIONS:

1. TOWER OWNER RESERVES THE RIGHT TO CONDUCT A VERIFICATION INSPECTION TO VERIFY THE ACCURACY AND COMPLETENESS OF PREVIOUSLY COMPLETED MODIFICATION AND INSPECTION(S) ON TOWER MODIFICATION PRODUCTS.

2. VERIFICATION INSPECTION MAY BE CONDUCTED BY AN INDEPENDENT FIRM AFTER A MODIFICATION PROJECT IS COMPLETED, AS MARKED BY THE DATE OF AN ACCEPTED "PASSING MODIFICATION INSPECTION MODIFICATION INSPECTION" REPORT FOR THE ORIGINAL PROJECT.

REQUIRED PHOTOS:

1. BETWEEN THE GC AND THE MI INSPECTOR THE FOLLOWING PHOTOGRAPHS ARE TO BE TAKEN AND INCLUDED IN THE MODIFICATION INSPECTION REPORT:

- PREXCONSTRUCTION GENERAL SITE CONDITION
- PHOTOGRAPHS DURING THE REINFORCEMENT MODIFICATION CONSTRUCTION/ERECTION AND INSPECTION

  - RAW MATERIALS
  - PHOTOS OF ALL CRITICAL DETAILS
  - WELD PREPARATION
  - FOUNDATION MODIFICATION
  - BOLT INSTALLATION AND TORQUE
  - FINAL INSTALLED CONDITION
  - SURFACE COATING REPAIR

- POST CONDITION PHOTOGRAPHS
- FINAL INFIELD CONDITION ANY OTHER PHOTOS DEEMED RELEVANT TO SHOW COMPLETE DENTALS OF MODIFICATIONS

2. PHOTOS OF ELEVATED MODIFICATIONS TAKEN FROM THE GROUND SHALL BE CONSIDERED INADEQUATE.

PLANS PREPARED FOR:

CROWN CASTLE

PLANS PREPARED BY:

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MODIFICATION DRAWING

REV.	DATE	DESCRIPTION

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SHEET TITLE:

MODIFICATION CHECKLIST

MI-01

Exhibit E

Power Density/RF Emissions Report

Radio Frequency Emissions Analysis Report

AT&T Existing Facility

Site ID: CTL05182

Project Type: AT&T Multicarrier

Newtown_South Central
201 South Main Street
Newtown, CT 06470

July 9, 2020

Fullerton Project Number: 2020.0182.0009

Site Compliance Summary	
Compliance Status:	**COMPLIANT**
Site total MPE% of FCC general population allowable limit:	**13.65 %**

July 9, 2020

Crown Castle on Behalf of AT&T
Attn: Anne Marie Zsamba, Site Acquisition Specialist
3 Corporate Park Drive, Suite 101
Clifton Park, NY 12065

Emissions Analysis for Site: **CTL05182 – Newtown_South Central**

Fullerton Engineering Consultants, LLC ("Fullerton") was directed to analyze the proposed upgrades to the AT&T facility located at **201 South Main Street, Newtown, CT**, for the purpose of determining whether the emissions from the proposed AT&T antenna Installation located on this property are within specified federal limits.

All information used in this report was analyzed as a percentage of current Maximum Permissible Exposure (% MPE) as listed in the FCC OET Bulletin 65 Edition 97-01and ANSI/IEEE Std C95.1. The FCC regulates Maximum Permissible Exposure in units of microwatts per square centimeter (μW/cm2). The number of $\mu W/cm^2$ calculated at each sample point is called the power density. The exposure limit for power density varies depending upon the frequencies being utilized. Wireless Carriers and Paging Services use different frequency bands each with different exposure limits, therefore it is necessary to report results and limits in terms of percent MPE rather than power density.

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

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

Population exposure to radio frequencies is regulated and enforced in units of microwatts per square centimeter ($\mu W/cm^2$). The general population exposure limits for the 700 MHz & 850 MHz bands are approximately 467 $\mu W/cm^2$ and 567 $\mu W/cm^2$ respectively. The general population exposure limit for the 1900 MHz (PCS) and 2100 MHz (AWS) bands is 1000 $\mu W/cm^2$. Because each carrier will be using different frequency bands, and each frequency band has different exposure limits, it is necessary to report percent of MPE rather than power density.

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

Additional details can be found in FCC OET 65.

CALCULATIONS

Calculations were performed for the proposed upgrades to the AT&T antenna facility located at **201 South Main Street, Newtown, CT**, using the equipment information listed below. All calculations were performed per the specifications under FCC OET 65. Since AT&T 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 manufactures supplied specifications, minus 10 dB for directional panel antennas, 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.

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. All power values expressed and analyzed are maximum power levels expected to be used on all radios.

All emissions values for additional carriers were taken from the Connecticut Siting Council (CSC) active MPE database. Values in this database are provided by the individual carriers themselves.

For each sector the following channel counts, frequency bands and power levels were utilized as shown in *Table 1*:

Technology	Frequency Band	Channel Count	Transmit Power per Channel (W)
UMTS	850 MHz	1	20
LTE	700 MHz (Band 12)	4	40
LTE / 5G NR	850 MHz	4	40
LTE	1900 MHz (PCS)	4	40
LTE	2100 MHz (AWS)	4	40

Table 1: Channel Data Table

The following antennas listed in *Table 2* were used in the modeling for transmission in the 700 MHz, 850 MHz, 1900 MHz (PCS) and 2100 MHz (AWS) frequency bands. This is based on feedback from the carrier with regards to anticipated antenna selection. Maximum gain values for all antennas are listed in the Inventory and Power Data table below. The maximum gain of the antenna per the antenna manufactures supplied specifications, minus 10 dB for directional panel antennas, 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.

Sector	Antenna Number	Antenna Make / Model	Antenna Centerline (ft)
A	1	Powerwave 7770	112
A	2	CCI DMP65R-BU6D	112
A	3	CCI OPA65R-BU6D	112
B	1	Powerwave 7770	112
B	2	CCI DMP65R-BU6D	112
B	3	CCI OPA65R-BU6D	112
C	1	Powerwave 7770	112
C	2	CCI DMP65R-BU6D	112
C	3	CCI OPA65R-BU6D	112

Table 2: Antenna Data

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

Cable losses were factored in the calculations for this site. For each **700 MHz** Remote Radio Unit (RRU) there was **0.18 dB** of cable loss calculated into the system gains / losses for this site. For each **850 MHz** Remote Radio Unit (RRU) there was **0.20 dB** of cable loss calculated into the system gains / losses for this site. For each **850 MHz** ground mounted radio there was **1.03 dB** of cable loss calculated into the system gains / losses for this site. For each **1900 MHz (PCS)** Remote Radio Unit (RRU) there was **0.32 dB** of cable loss calculated into the system gains / losses for this site. For each **2100 MHz (AWS)** Remote Radio Unit (RRU) there was **0.34 dB** of cable loss calculated into the system gains / losses for this site. These values were calculated based upon the manufacturers specifications for **10 feet** of **1/2"** coax for all Remote Radio Units (RRU) and **135 feet** of **1-1/4"** for all ground mounted radios.

RESULTS

Per the calculations completed for the proposed AT&T configurations *Table 3* shows resulting emissions power levels and percentages of the FCC's allowable general population limit.

Antenna ID	Antenna Make / Model	Frequency Bands	Antenna Gain (dBd)	Channel Count	Total TX Power (W)	ERP (W)	MPE %
Antenna A1	Powerwave 7770	850 MHz	11.4	1	20	217.79	0.12
Antenna A2	CCI DMP65R-BU6D	700 MHz / 850 MHz / 1900 MHz (PCS)	11.85 / 12.45 / 15.55	12	480	10,371.19	4.84
Antenna A3	CCI OPA65R-BU6D	2100 MHz (AWS)	16.25	4	160	6,239.07	2.00
						Sector A Composite MPE%	**6.96**
Antenna B1	Powerwave 7770	850 MHz	11.4	1	20	217.79	0.12
Antenna B2	CCI DMP65R-BU6D	700 MHz / 850 MHz / 1900 MHz (PCS)	11.85 / 12.45 / 15.55	12	480	10,371.19	4.84
Antenna B3	CCI OPA65R-BU6D	2100 MHz (AWS)	16.25	4	160	6,239.07	2.00
						Sector B Composite MPE%	**6.96**
Antenna C1	Powerwave 7770	850 MHz	11.4	1	20	217.79	0.12
Antenna C2	CCI DMP65R-BU6D	700 MHz / 850 MHz / 1900 MHz (PCS)	11.85 / 12.45 / 15.55	12	480	10,371.19	4.84
Antenna C3	CCI OPA65R-BU6D	2100 MHz (AWS)	16.25	4	160	6,239.07	2.00
						Sector C Composite MPE%	**6.96**

Table 3: AT&T *Emissions Levels*

The Following table (*table 4*) shows all additional carriers on site and their MPE% as recorded in the CSC active MPE database for this facility along with the newly calculated maximum AT&T MPE contributions per this report. FCC OET 65 specifies that for carriers utilizing directional antennas that the highest recorded sector value be used for composite site MPE values due to their greatly reduced emissions contributions in the directions of the adjacent sectors. For this site, all three sectors have the same configuration yielding the same results on all three sectors. *Table 5* below shows a summary for each AT&T Sector as well as the composite MPE value for the site.

Site Composite MPE%	
Carrier	**MPE%**
AT&T – Max Per Sector Value	**6.96 %**
T-Mobile	0.85 %
Sprint	3.10 %
Verizon Wireless	2.74 %
Site Total MPE %:	**13.65 %**

Table 4: All Carrier MPE Contributions

AT&T Sector A Total:	6.96 %
AT&T Sector B Total:	6.96 %
AT&T Sector C Total:	6.96 %
Site Total:	13.65 %

Table 5: Site MPE Summary

FCC OET 65 specifies that for carriers utilizing directional antennas that the highest recorded sector value be used for composite site MPE values due to their greatly reduced emissions contributions in the directions of the adjacent sectors. *Table 6* below details a breakdown by frequency band and technology for the MPE power values for the maximum calculated AT&T sector(s). For this site, all three sectors have the same configuration yielding the same results on all three sectors.

AT&T _ Frequency Band / Technology Max Power Values (Per Sector)	# Channels	Watts ERP (Per Channel)	Height (feet)	Total Power Density ($\mu W/cm^2$)	Frequency (MHz)	Allowable MPE ($\mu W/cm^2$)	Calculated % MPE
AT&T 850 MHz UMTS	1	217.79	112	0.70	850 MHz	567	0.12%
AT&T 700 MHz LTE (Band 12)	4	587.57	112	7.52	700 MHz	467	1.61%
AT&T 850 MHz LTE / 5G NR	4	671.52	112	8.59	850 MHz	567	1.52%
AT&T 1900 MHz (PCS) LTE	4	1,333.71	112	17.07	1900 MHz (PCS)	1000	1.71%
AT&T 2100 MHz (AWS) LTE	4	1,559.77	112	19.96	2100 MHz (AWS)	1000	2.00%
						Total:	**6.96%**

Table 6: AT&T *Maximum Sector MPE Power Values*

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 AT&T 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:

AT&T Sector	Power Density Value (%)
Sector A:	6.96 %
Sector B:	6.96 %
Sector C:	6.96 %
AT&T Maximum Total (per sector):	6.96 %
Site Total:	13.65 %
Site Compliance Status:	**COMPLIANT**

The anticipated composite MPE value for this site assuming all carriers present is **13.65 %** 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.

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