STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL
Ten Franklin Square, New Britain, CT 06051
Phone: (860) 827-2935 Fax: (860) 827-2950
E-Mail: siting.council@ct.gov
www.ct.gov/csc

VIA ELECTRONIC MAIL

November 21, 2019

Kristina Cottone
Smartlink, LLC
85 Rangeway Road, Building 3, Suite 102
North Billerica, MA 01862

RE: **EM-AT&T-163-191104** – AT&T Mobility, LLC notice of intent to modify an existing telecommunications facility located at 193 Windham Center Road, Windham, Connecticut.

Dear Ms. Cottone:

The Connecticut Siting Council (Council) received a notice of intent to modify the above-referenced facility on November 4, 2019. On November 7, 2019 the Council issued a letter (enclosed) stating that the request for exempt modification was incomplete and recommended that Smartlink, LLC provide documentation showing the original facility approval with conditions, if any, or correspondence with the Town stating that there are no records of the original facility approval and a passing mount analysis for the proposed modification that is stamped and signed by a professional engineer duly licensed in the State of Connecticut and indicates a capacity equal to or less than 100 percent, on or before December 16, 2019.

On November 20, 2019 the Council received an electronic copy of a mount analysis, a revised set of construction drawings, a mount analysis letter and a letter stating there were no town records for the original approval of the subject facility. Staff reviewed the response to the incomplete request and observed the following:

1. The mount analysis provided in the response is a failing analysis and conclusively states that the mount is inadequate to support the proposed equipment loading; and
2. The mount analysis letter lacks a percentage structural stress capacity for the antenna mount and does not conclusively state that the mount is sufficient to support the proposed equipment.

Therefore, the request for exempt modification remains incomplete at this time. The Council recommends that Smartlink, LLC provide a passing (≤ 100%) mount analysis for the proposed modification that is signed and stamped by a professional engineer and conclusively states that the modified antenna mount is adequate to support the proposed equipment loading, on or before December 23, 2019. If additional time is needed to gather the requested information, please submit a written request for an extension of time prior to December 23, 2019. **Please provide an electronic version and one hard copy of the requested information for the incomplete exempt modification to be rendered complete and processed. Please include the Council's exempt modification identification number referenced above with the submittal.**

This notice of incompletion shall have the effect of tolling the Federal Communications Commission (FCC) 60-day timeframe in accordance with Paragraph 217 of the FCC Wireless Infrastructure Report and Order issued on October 21, 2014 (FCC 14-153).

Thank you for your attention to this matter. Should you have any questions, please feel free to contact me at 860-827-2951.

Sincerely,

Melanie Bachman
Executive Director

MAB/IN/emr

Enclosures: Council's incomplete notice dated November 7, 2019

c: The Honorable Victor Funderburk, Mayor, Town of Windham
James Rivers, Town Manager, Town of Windham
Matthew Vertefeuille, Director of Code Enforcement, Town of Windham

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VIA ELECTRONIC MAIL

November 7, 2019

Kristina Cottone
Smartlink, LLC
85 Rangeway Road, Building 3, Suite 102
North Billerica, MA 01862

RE: **EM-AT&T-163-191104** – AT&T Mobility, LLC notice of intent to modify an existing telecommunications facility located at 193 Windham Center Road, Windham, Connecticut.

Dear Ms. Cottone:

The Connecticut Siting Council (Council) received a notice of intent to modify the above-referenced facility on November 4, 2019.

According to Section 16-50j-71 of the Regulations of Connecticut State Agencies, "...any modification, as defined in Section 16-50j-2a of the Regulations of Connecticut State Agencies, to an existing tower site, except as specified in Sections 16-50j-72 and 16-50j-88 of the Regulations of Connecticut State Agencies, may have a substantial adverse environmental effect."

Staff has reviewed this exempt modification request for completeness and has identified the following deficiencies in the request:

1) The exempt modification request lacks documentation of the original facility approval and any conditions of such approval or correspondence with the Town of Windham stating that the town no longer retains records of its decision; and

2) Sheet C3 of the construction drawings (CD) provided references a failing mount analysis (MA) dated September 11, 2019. Also, Sheet C4 of the CD references a failing MA dated September 5, 2019 and indicates a replacement of the existing mount. However, no mount analysis is included with the request for exempt modification.

Therefore, the exempt modification request is incomplete at this time. The Council recommends that Smartlink, LLC provide documentation showing the original facility approval with conditions if any or correspondence with the Town stating that there are no records of the original facility approval and a passing mount analysis for the proposed modification that is stamped and signed by a professional engineer duly licensed in the State of Connecticut and indicates a capacity equal to or less than 100 percent, on or before December 16, 2019. If additional time is needed to gather the requested information, please submit a written request for an extension of time prior to December 16, 2019. **Please provide an electronic version and one hard copy of the requested information for the incomplete exempt modification to be rendered complete and processed. Please include the Council's exempt modification identification number referenced above with the submittal.**

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Thank you for your attention to this matter. Should you have any questions, please feel free to contact me at 860-827-2951.

Sincerely,

Melanie Bachman
Executive Director

MAB/IN/emr

c: The Honorable Victor Funderburk, Mayor, Town of Windham
James Rivers, Town Manager, Town of Windham
Matthew Vertefeuille, Director of Code Enforcement, Town of Windham

11/13/19

Memo: No Initial Zoning Decision Found

Upon consulting with Joe Smith, Building Inspector for the Town of Windham, it was determined that no initial zoning decision for this tower could be found. His phone number is 860-465-3040.

Kristina Cottone
Real Estate Specialist | Smartlink, LLC
85 Rangeway Road, Building 3, Suite 102
North Billerica, MA 01862

SHEET INDEX

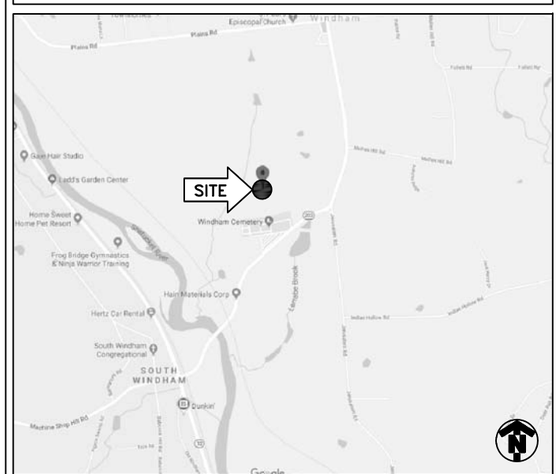
NO.	DESCRIPTION
T1	TITLE SHEET
C1	GENERAL NOTES
C2	OVERALL SITE PLAN
C2A	ENLARGED SITE PLAN
C3	ELEVATION VIEW
C4	ANTENNA ORIENTATION PLAN
C5	EQUIPMENT DETAILS
C6	PLUMBING DIAGRAM
C7	GROUNDING DETAILS

DRIVING DIRECTIONS

FROM 550 COCHITUATE RD.:

GET ON I-90 WEST/MASSACHUETTS TURNPIKE. HEAD NORTHEAST TOWARD LEGGATT MCCALL CONN. TURN LEFT ONTO LEGGATT MCCALL CONN. CONTINUE ONTO BURR STREET. TURN LEFT ONTO COCHITUATE ROAD. USE THE RIGHT LANE TO TAKE THE RAMP TO I-90 EAST/MASSPIKE WEST/SPRINGFIELD/BOSTON. KEEP LEFT AT THE FORK, FOLLOW SIGNS FOR I-90 WEST/MASSACHUETTS TURNPIKE/WORCESTER/SPRINGFIELD AND MERGE ONTO I-90 WEST/MASSACHUETTS TURNPIKE. FOLLOW I-90 WEST/MASSACHUETTS TURNPIKE AND I-395 SOUTH TO CT-14 WEST IN PLAINFIELD. TAKE EXIT 32 FROM I-395 SOUTH. MERGE ONTO I-90 WEST/MASSACHUSETTS TURNPIKE. TAKE EXIT 10 TOWARD MA-12 NORTH/AUBURN/WORCESTER. KEEP RIGHT AT THE FORK, FOLLOW SIGNS FOR I-395 SOUTH/US-20 EAST/NORWICH CT AND MERGE ONTO I-395 SOUTH. TAKE EXIT 32 FOR CT-14 TOWARD STERLING MOOSUP. FOLLOW CT-14 WEST TO YOUR DESTINATION IN WINDHAM. TURN RIGHT ONTO CT-14 WEST. TURN RIGHT ONTO CT-12 NORTH/CT-14 WEST. SLIGHT LEFT ONTO CT-14 WEST. TURN RIGHT TO STAY ON CT-14 WEST. TURN LEFT ONTO CT-203 SOUTH. TURN RIGHT. CONTINUE STRAIGHT. TURN RIGHT.

LOCATION MAP



PROJECT

LTE 2C/3C/4C/5C/RETROFIT

SITE NAME

WINDHAM WINDHAM CTR

CELL SITE ID

CTL01064

FA SITE NUMBER

10035442

PACE ID

MRCTB040530/MRCTB040444/MRCTB040469
MRCTB040708/MRCTB040763

SITE ADDRESS

193 WINDHAM CENTER ROAD
WINDHAM, CT 06280

STRUCTURE TYPE

MONOPOLE

PROJECT TEAM

smartlink

PROJECT MANAGER

INFINIGY

1033 Watervliet Shaker Rd
Albany, NY 12205
Office # (518) 690-0790
Fax # (518) 690-0793

ENGINEER

SCOPE OF WORK (PER LTE RFDS, DATED 07/30/2019 V2.00):

- HANDICAP ACCESS REQUIREMENTS ARE NOT REQUIRED.
- FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION.
- FACILITY HAS NO PLUMBING OR REFRIGERANTS.
- THIS FACILITY SHALL MEET OR EXCEED ALL FAA AND FCC REGULATORY REQUIREMENTS.
- ALL NEW MATERIAL SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR UNLESS NOTED OTHERWISE. EQUIPMENT, ANTENNAS/RRU AND CABLES FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR.

TOWER

- REMOVE (6) PANEL ANTENNAS,(3) POWERWAVE 7770,(3) AM-X-CD-17-65-00T-RET
- INSTALL (6) PANEL ANTENNAS,(6) CCI DMP65R-BU8DA
- REMOVE (3) RRUS-11 B12
- INSTALL (3) B14 4478
- INSTALL (3) 4449 B5/B12
- INSTALL (3) 8843 B2/B66A
- INSTALL (2) DC6 SQUID W/ (1) FIBER AND (4) DC CABLES IN (3) 3" CONDUITS
- REPLACE EXISTING ANTENNA PLATFORM MOUNT

GROUND

- SWAP BB W/ 6630
- ADD XMU
- ADD 6630
- ADD IDLe CABLE

PROJECT SUMMARY

SITE NAME:	WINDHAM WINDHAM CTR	
CELL SITE ID:	CTL01064	
FA SITE #:	10035442	
SITE ADDRESS:	193 WINDHAM CENTER ROAD WINDHAM, CT 06280	
COUNTY:	WINDHAM	
SITE COORDINATES: LATITUDE: LONGITUDE:	 41.6900481° N 72.1625269° W	 (NAD 83) (NAD 83)
RAD CENTER	±147'	(AGL)
LANDLORD:	SBA COMMUNICATIONS	
APPLICANT:	AT&T MOBILITY 550 COCHITUATE RD. FRAMINGHAM, MA 01701	
CLIENT REPRESENTATIVE:	SMARTLINK, LLC 85 RANGEWAY RD., BUILDING 3, SUITE 102 NORTH BILLERICA, MA 01862	
CONTACT:	SHARON KEEFE (978) 930-3918	
ENGINEER:	INFINIGY 1033 WATERVLIET SHAKER ROAD ALBANY, NY 12205	
CONTACT:	ALEX WELLER (518) 690-0790	
BUILDING CODE:	2018 CT STATE BUILDING CODE 2015 INTERNATIONAL BUILDING CODE ANSI/TIA-222 G 2015 INTERNATIONAL PLUMBING CODE 2015 INTERNATIONAL MECHANICAL CODE 2015 INTERNATIONAL ENERGY CONSERVATION CODE 2017 NFPA 70	
ELECTRICAL CODE:	NATIONAL ELECTRICAL CODE (LATEST EDITION)	

811 Know what's below. Call before you dig.

TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN CONNECTICUT, CONTACT CALL BEFORE YOU DIG
TOLL FREE: 1-800-922-4455 OR www.cbyd.com
CONNECTICUT STATUTE REQUIRES MIN OF 2 WORKING DAYS NOTICE BEFORE YOU EXCAVATE

INFINIGY
INFINIGY ENGINEERING, PLLC
1033 Watervliet Shaker Rd
Albany, NY 12205
Office # (518) 690-0790
Fax # (518) 690-0793

at&t

STATE OF CONNECTICUT
JOHN S. STEVENS
LICENSED PROFESSIONAL ENGINEER
11/20/2019

No.	Submittal / Revision	App'd	Date
3	REVISED FOR PERMIT	ASW	11/20/19
2	REVISED FOR PERMIT	BMM	10/16/19
1	ISSUED FOR PERMIT	ASW	10/04/19
0	ISSUED FOR REVIEW	BMM	09/13/19

Drawn: BMM Date: 09/13/19
Designed: ASW Date: 09/13/19
Checked: AJD Date: 09/13/19

Project Number: 499-006

Project Title:
WINDHAM
WINDHAM CTR
CTL01064
FA# 10035442
193 WINDHAM CENTER ROAD
WINDHAM, CT 06280

Prepared For: smartlink

Drawing Scale: AS NOTED
Date: 11/20/19

CD

Drawing Title
TITLE PAGE

Drawing Number
T1

GENERAL NOTES

PART 1 – GENERAL REQUIREMENTS

1.1 THE WORK SHALL COMPLY WITH APPLICABLE NATIONAL CODES AND STANDARDS, LATEST EDITION, AND PORTIONS THEREOF, INCLUDED BUT NOT LIMITED TO THE FOLLOWING:
A. GR-63-CORE NEBS REQUIREMENTS: PHYSICAL PROTECTION
B. GR-78-CORE GENERIC REQUIREMENTS FOR THE PHYSICAL DESIGN AND MANUFACTURE OF TELECOMMUNICATIONS EQUIPMENT.
C. NATIONAL FIRE PROTECTION ASSOCIATION CODES AND STANDARDS (NFPA) INCLUDING NFPA 70 (NATIONAL ELECTRICAL CODE – "NEC").
D. AND NFPA 101 (LIFE SAFETY CODE).
E. AMERICAN SOCIETY FOR TESTING OF MATERIALS (ASTM).
F. INSTITUTE OF ELECTRONIC AND ELECTRICAL ENGINEERS (IEEE).

1.2 DEFINITIONS:
A: WORK: THE SUM OF TASKS AND RESPONSIBILITIES IDENTIFIED IN THE CONTRACT DOCUMENTS.
B: COMPANY: AT&T CORPORATION
C. ENGINEER: SYNONYMOUS WITH ARCHITECT & ENGINEER AND "A&E". THE DESIGN PROFESSIONAL HAVING PROFESSIONAL RESPONSIBILITY FOR DESIGN OF THE PROJECT.
D: CONTRACTOR: CONSTRUCTION CONTRACTOR; CONSTRUCTION VENDOR; INDIVIDUAL OR ENTITY WHO AFTER EXECUTION OF A CONTRACT IS BOUND TO ACCOMPLISH THE WORK.
E: THIRD PARTY VENDOR OR AGENCY: A VENDOR OR AGENCY ENGAGED SEPARATELY BY THE COMPANY, A&E, OR CONTRACTOR TO PROVIDE MATERIALS OR TO ACCOMPLISH SPECIFIC TASKS RELATED TO BUT NOT INCLUDED IN THE WORK.

1.3 POINT OF CONTACT: COMMUNICATION BETWEEN THE COMPANY AND THE CONTRACTOR SHALL FLOW THROUGH THE SINGLE COMPANY SITE DEVELOPMENT SPECIALIST OR OTHER PROJECT COORDINATOR APPOINTED TO MANAGE THE PROJECT FOR THE COMPANY.

1.4 ON-SITE SUPERVISION: THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL EMPLOY A COMPETENT SUPERINTENDENT WHO SHALL BE IN ATTENDANCE AT THE SITE AT ALL TIMES DURING PERFORMANCE OF THE WORK.

1.5 DRAWINGS, SPECIFICATIONS AND DETAILS REQUIRED AT JOBSITE: THE CONSTRUCTION CONTRACTOR SHALL MAINTAIN A FULL SET OF THE CONSTRUCTION DRAWINGS, STANDARD CONSTRUCTION DETAILS FOR WIRELESS SITES, AND THE STANDARD CONSTRUCTION SPECIFICATIONS FOR WIRELESS SITES AT THE JOBSITE FROM MOBILIZATION THROUGH CONSTRUCTION COMPLETION.
A. THE JOBSITE DRAWINGS, SPECIFICATIONS AND DETAILS SHALL BE CLEARLY MARKED DAILY IN PENCIL WITH ANY CHANGES IN CONSTRUCTION OVER WHAT IS DEPICTED IN THE DOCUMENTS. AT CONSTRUCTION COMPLETION, THIS JOBSITE MARKUP SET SHALL BE DELIVERED TO THE COMPANY OR COMPANY'S DESIGNATED REPRESENTATIVE TO BE FORWARDED TO THE COMPANY'S A&E VENDOR FOR PRODUCTION OF "AS-BUILT" DRAWINGS.

1.6 USE OF JOB SITE: THE CONTRACTOR SHALL CONFINE ALL CONSTRUCTION AND RELATED OPERATIONS INCLUDING STAGING AND STORAGE OF MATERIALS AND EQUIPMENT, PARKING, TEMPORARY FACILITIES, AND WASTE STORAGE TO THE LEASE PARCEL UNLESS OTHERWISE PERMITTED BY THE CONTRACT DOCUMENTS.

1.7 NOTICE TO PROCEED:
A. NO WORK SHALL COMMENCE PRIOR TO COMPANY'S WRITTEN NOTICE TO PROCEED.
B. UPON RECEIVING NOTICE TO PROCEED, CONTRACTOR SHALL FULLY PERFORM ALL WORK NECESSARY TO PROVIDE AT&T WITH AN OPERATIONAL WIRELESS FACILITY.

PART 2 – EXECUTION

2.1 TEMPORARY UTILITIES AND FACILITIES: THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY UTILITIES AND FACILITIES NECESSARY EXCEPT AS OTHERWISE INDICATED IN THE CONSTRUCTION DOCUMENTS. TEMPORARY UTILITIES AND FACILITIES INCLUDE, POTABLE WATER, HEAT, HVAC, ELECTRICITY, SANITARY FACILITIES, WASTE DISPOSAL FACILITIES, AND TELEPHONE/COMMUNICATION SERVICES. PROVIDE TEMPORARY UTILITIES AND FACILITIES IN ACCORDANCE WITH OSHA AND THE AUTHORITY HAVING JURISDICTION. CONTRACTOR MAY UTILIZE THE COMPANY ELECTRICAL SERVICE IN THE COMPLETION OF THE WORK WHEN IT BECOMES AVAILABLE. USE OF THE LESSORS OR SITE OWNER'S UTILITIES OR FACILITIES IS EXPRESSLY FORBIDDEN EXCEPT AS OTHERWISE ALLOWED IN THE CONTRACT DOCUMENTS.

2.2 ACCESS TO WORK: THE CONTRACTOR SHALL PROVIDE ACCESS TO THE JOB SITE FOR AUTHORIZED COMPANY PERSONNEL AND AUTHORIZED REPRESENTATIVES OF THE ARCHITECT/ENGINEER DURING ALL PHASES OF THE WORK.

2.3 TESTING: REQUIREMENTS FOR TESTING BY THIS CONTRACTOR SHALL BE AS INDICATED HEREWITH, ON THE CONSTRUCTION DRAWINGS, AND IN THE INDIVIDUAL SECTIONS OF THESE SPECIFICATIONS. SHOULD COMPANY CHOOSE TO ENGAGE ANY THIRD-PARTY TO CONDUCT ADDITIONAL TESTING, THE CONTRACTOR SHALL COOPERATE WITH AND PROVIDE A WORK AREA FOR COMPANY'S TEST AGENCY.

2.4 COMPANY FURNISHED MATERIAL AND EQUIPMENT: ALL HANDLING, STORAGE AND INSTALLATION OF COMPANY FURNISHED MATERIAL AND EQUIPMENT SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
A. CONTRACTOR SHALL PROCURE ALL OTHER REQUIRED WORK RELATED MATERIALS NOT PROVIDED BY AT&T TO SUCCESSFULLY CONSTRUCT A WIRELESS FACILITY.

2.5 DIMENSIONS: VERIFY DIMENSIONS INDICATED ON DRAWINGS WITH FIELD DIMENSIONS BEFORE FABRICATION OR ORDERING OF MATERIALS. DO NOT SCALE DRAWINGS.

2.6 EXISTING CONDITIONS: NOTIFY THE COMPANY REPRESENTATIVE OF EXISTING CONDITIONS DIFFERING FROM THOSE INDICATED ON THE DRAWINGS. DO NOT REMOVE OR ALTER STRUCTURAL COMPONENTS WITHOUT PRIOR WRITTEN APPROVAL FROM THE ARCHITECT AND ENGINEER.

PART 3 – RECEIPT OF MATERIAL & EQUIPMENT

3.1 RECEIPT OF MATERIAL AND EQUIPMENT: CONTRACTOR IS RESPONSIBLE FOR AT&T PROVIDED MATERIAL AND EQUIPMENT AND UPON RECEIPT SHALL:
A. ACCEPT DELIVERIES AS SHIPPED AND TAKE RECEIPT.
B. VERIFY COMPLETENESS AND CONDITION OF ALL DELIVERIES.
C. TAKE RESPONSIBILITY FOR EQUIPMENT AND PROVIDE INSURANCE PROTECTION AS REQUIRED IN AGREEMENT.
D. RECORD ANY DEFECTS OR DAMAGES AND WITHIN TWENTY-FOUR HOURS AFTER RECEIPT, REPORT TO AT&T OR ITS DESIGNATED PROJECT REPRESENTATIVE OF SUCH.
E. PROVIDE SECURE AND NECESSARY WEATHER PROTECTED WAREHOUSING.
F. COORDINATE SAFE AND SECURE TRANSPORTATION OF MATERIAL AND EQUIPMENT, DELIVERING AND OFF-LOADING FROM CONTRACTOR'S WAREHOUSE TO SITE.

PART 4 – GENERAL REQUIREMENTS FOR CONSTRUCTION

4.1 CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH. AT THE COMPLETION OF THE WORK, CONTRACTOR SHALL REMOVE FROM THE SITE ALL REMAINING RUBBISH, IMPLEMENTS, TEMPORARY FACILITIES, AND SURPLUS MATERIALS.

4.2 EQUIPMENT ROOMS SHALL AT ALL TIMES BE MAINTAINED "BROOM CLEAN" AND CLEAR OF DEBRIS.

4.3 CONTRACTOR SHALL TAKE ALL REASONABLE PRECAUTIONS TO DISCOVER AND LOCATE ANY HAZARDOUS CONDITION.
A. IN THE EVENT CONTRACTOR ENCOUNTERS ANY HAZARDOUS CONDITION WHICH HAS NOT BEEN ABATED OR OTHERWISE MITIGATED, CONTRACTOR AND ALL OTHER PERSONS SHALL IMMEDIATELY STOP WORK IN THE AFFECTED AREA AND NOTIFY COMPANY IN WRITING. THE WORK IN THE AFFECTED AREA SHALL NOT BE RESUMED EXCEPT BY WRITTEN NOTIFICATION BY COMPANY.
B. CONTRACTOR AGREES TO USE CARE WHILE ON THE SITE AND SHALL NOT TAKE ANY ACTION THAT WILL OR MAY RESULT IN OR CAUSE THE HAZARDOUS CONDITION TO BE FURTHER RELEASED IN THE ENVIRONMENT, OR TO FURTHER EXPOSE INDIVIDUALS TO THE HAZARD.

4.4 CONTRACTOR'S ACTIVITIES SHALL BE RESTRICTED TO THE PROJECT LIMITS. SHOULD AREAS OUTSIDE THE PROJECT LIMITS BE AFFECTED BY CONTRACTOR'S ACTIVITIES, CONTRACTOR SHALL IMMEDIATELY RETURN THEM TO ORIGINAL CONDITION.

4.5 CONDUCT TESTING AS REQUIRED HEREIN.

PART 5 – TESTS AND INSPECTIONS

5.1 TESTS AND INSPECTIONS:
A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION TESTS, INSPECTIONS AND PROJECT DOCUMENTATION.

B. CONTRACTOR SHALL COORDINATE TEST AND INSPECTION SCHEDULES WITH COMPANY'S REPRESENTATIVE WHO MUST BE ON SITE TO WITNESS SUCH TESTS AND INSPECTIONS.

C. WHEN THE USE OF A THIRD PARTY INDEPENDENT TESTING AGENCY IS REQUIRED, THE AGENCY THAT IS SELECTED MUST PERFORM SUCH WORK ON A REGULAR BASIS IN THE STATE WHERE THE PROJECT IS LOCATED AND HAVE A THOROUGH UNDERSTANDING OF LOCAL AVAILABLE MATERIALS, INCLUDING THE SOIL, ROCK, AND GROUNDWATER CONDITIONS.

D. THE THIRD PARTY TESTING AGENCY IS TO BE FAMILIAR WITH THE APPLICABLE REQUIREMENTS FOR THE TESTS TO BE DONE, EQUIPMENT TO BE USED, AND ASSOCIATED HEALTH AND SAFETY ISSUES.

E. SITE RESISTANCE TO EARTH TESTING PER EXHIBIT: CELL SITE GROUNDING SYSTEM DESIGN.

F. ANTENNA AND COAX SWEEP TESTS PER EXHIBIT: ANTENNA TRANSMISSION LINE ACCEPTANCE STANDARDS.

G. ALL OTHER TESTS REQUIRED BY COMPANY OR JURISDICTION.

PART 6 – TRENCHING AND BACKFILLING

6.1 TRENCHING AND BACKFILLING: THE CONTRACTOR SHALL PERFORM ALL EXCAVATION OF EVERY DESCRIPTION AND OF WHATEVER SUBSTANCES ENCOUNTERED, TO THE DEPTHS INDICATED ON THE CONSTRUCTION DRAWINGS OR AS OTHERWISE SPECIFIED.

A. PROTECTION OF EXISTING UTILITIES: THE CONTRACTOR SHALL CHECK WITH THE LOCAL UTILITIES AND THE RESPECTIVE UTILITY LOCATOR COMPANIES PRIOR TO STARTING EXCAVATION OPERATIONS IN EACH RESPECTIVE AREA TO ASCERTAIN THE LOCATIONS OF KNOWN UTILITY LINES. THE LOCATIONS, NUMBER AND TYPES OF EXISTING UTILITY LINES DETAILED ON THE CONSTRUCTION DRAWINGS ARE APPROXIMATE AND DO NOT REPRESENT EXACT INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ALL LINES DAMAGED DURING EXCAVATION AND ALL ASSOCIATED OPERATIONS. ALL UTILITY LINES UNCOVERED DURING THE EXCAVATION OPERATIONS, SHALL BE PROTECTED FROM DAMAGE DURING EXCAVATION AND ASSOCIATED OPERATIONS. ALL REPAIRS SHALL BE APPROVED BY THE UTILITY COMPANY.

B. HAND DIGGING: UNLESS APPROVED IN WRITING OTHERWISE, ALL DIGGING WITHIN AN EXISTING CELL SITE COMPOUND IS TO BE DONE BY HAND.

C. DURING EXCAVATION, MATERIAL SUITABLE FOR BACKFILLING SHALL BE STOCKPILED IN AN ORDERLY MANNER A SUFFICIENT DISTANCE FROM THE BANKS OF THE TRENCH TO AVOID OVERLOADING AND TO PREVENT SLIDES OR CAVE-INS. ALL EXCAVATED MATERIALS NOT REQUIRED OR SUITABLE FOR BACKFILL SHALL BE REMOVED AND DISPOSED OF AT THE CONTRACTOR'S EXPENSE.

D. GRADING SHALL BE DONE AS MAY BE NECESSARY TO PREVENT SURFACE WATER FROM FLOWING INTO TRENCHES OR OTHER EXCAVATIONS, AND ANY WATER ACCUMULATING THEREIN SHALL BE REMOVED BY PUMPING OR BY OTHER APPROVED METHOD.

E. SHEETING AND SHORING SHALL BE DONE AS NECESSARY FOR THE PROTECTION OF THE WORK AND FOR THE SAFETY OF PERSONNEL. UNLESS OTHERWISE INDICATED, EXCAVATION SHALL BE BY OPEN CUT, EXCEPT THAT SHORT SECTIONS OF A TRENCH MAY BE TUNNELED IF, THE CONDUIT CAN BE SAFELY AND PROPERLY INSTALLED AND BACKFILL CAN BE PROPERLY TAMPED IN SUCH TUNNEL SECTIONS. EARTH EXCAVATION SHALL COMPRISE ALL MATERIALS AND SHALL INCLUDE CLAY, SILT, SAND, MUCK, GRAVEL, HARDPAN, LOOSE SHALE, AND LOOSE STONE.

F. TRENCHES SHALL BE OF NECESSARY WIDTH FOR THE PROPER LAYING OF THE CONDUIT OR CABLE, AND THE BANKS SHALL BE AS NEARLY VERTICAL AS PRACTICABLE. THE BOTTOM OF THE TRENCHES SHALL BE ACCURATELY GRADED TO PROVIDE UNIFORM BEARING AND SUPPORT FOR EACH SECTION OF THE CONDUIT OR CABLE ON UNDISTURBED SOIL AT EVERY POINT ALONG ITS ENTIRE LENGTH. EXCEPT WHERE ROCK IS ENCOUNTERED, CARE SHALL BE TAKEN NOT TO EXCAVATE BELOW THE DEPTHS INDICATED. WHERE ROCK EXCAVATIONS ARE NECESSARY, THE ROCK SHALL BE EXCAVATED TO A MINIMUM OVER DEPTH OF 6 INCHES BELOW THE TRENCH DEPTHS INDICATED ON THE CONSTRUCTION DRAWINGS OR SPECIFIED. OVER DEPTHS IN THE ROCK EXCAVATION AND UNAUTHORIZED OVER DEPTHS SHALL BE THOROUGHLY BACK FILLED AND TAMPED TO THE APPROPRIATE GRADE. WHENEVER WET OR OTHERWISE UNSTABLE SOIL THAT IS INCAPABLE OF PROPERLY SUPPORTING THE CONDUIT OR CABLE IS ENCOUNTERED IN THE BOTTOM OF THE TRENCH, SUCH SOLID SHALL BE REMOVED TO A MINIMUM OVER DEPTH OF 6 INCHES AND THE TRENCH BACKFILLED TO THE PROPER GRADE WITH EARTH OF OTHER SUITABLE MATERIAL, AS HEREINAFTER SPECIFIED.

G. BACKFILLING OF TRENCHES. TRENCHES SHALL NOT BE BACKFILLED UNTIL ALL SPECIFIED TESTS HAVE BEEN PERFORMED AND ACCEPTED. WHERE COMPACTED BACKFILL IS NOT INDICATED THE TRENCHES SHALL BE CAREFULLY BACKFILLED WITH SELECT MATERIAL SUCH AS EXCAVATED SOILS THAT ARE FREE OF ROOTS, SOD, RUBBISH OR STONES, DEPOSITED IN 6 INCH LAYERS AND THOROUGHLY AND CAREFULLY RAMMED UNTIL THE CONDUIT OR CABLE HAS A COVER OF NOT LESS THAN 1 FOOT. THE REMAINDER OF THE BACKFILL MATERIAL SHALL BE GRANULAR IN NATURE AND SHALL NOT CONTAIN ROOTS, SOD, RUBBING, OR STONES OF 2-1/2 INCH MAXIMUM DIMENSION. BACKFILL SHALL BE CAREFULLY PLACED IN THE TRENCH AND IN 1 FOOT LAYERS AND EACH LAYER TAMPED. SETTLING THE BACKFILL WITH WATER WILL BE PERMITTED. THE SURFACE SHALL BE GRADED TO A REASONABLE UNIFORMITY AND THE MOUNDING OVER THE TRENCHES LEFT IN A UNIFORM AND NEAT CONDITION.

SYMBOL	DESCRIPTION
	CIRCUIT BREAKER
	NON-FUSIBLE DISCONNECT SWITCH
F	FUSIBLE DISCONNECT SWITCH
	SURFACE MOUNTED PANEL BOARD
T	TRANSFORMER
M	KILOWATT HOUR METER
JB	JUNCTION BOX
PB	PULL BOX TO NEC/TELCO STANDARDS
----------	UNDERGROUND UTILITIES
	EXOTHERMIC WELD CONNECTION
	MECHANICAL CONNECTION
OR	GROUND ROD
OR	GROUND ROD WITH INSPECTION SLEEVE
	GROUND BAR
	120AC DUPLEX RECEPTACLE
G	GROUND CONDUCTOR
	DC POWER AND FIBER OPTIC TRUNK CABLES
	DC POWER CABLES
# / #	REPRESENTS DETAIL NUMBER / REF. DRAWING NUMBER

ABBREVIATIONS

CIGBE	COAX ISOLATED GROUND BAR EXTERNAL
MIGB	MASTER ISOLATED GROUND BAR
SST	SELF SUPPORTING TOWER
GPS	GLOBAL POSITIONING SYSTEM
TYP.	TYPICAL
DWG	DRAWING
BCW	BARE COPPER WIRE
BFG	BELOW FINISH GRADE
PVC	POLYVINYL CHLORIDE
CAB	CABINET
C	CONDUIT
SS	STAINLESS STEEL
G	GROUND
AWG	AMERICAN WIRE GAUGE
RGS	RIGID GALVANIZED STEEL
AHJ	AUTHORITY HAVING JURISDICTION
TTLNA	TOWER TOP LOW NOISE AMPLIFIER
UNO	UNLESS NOTED OTHERWISE
EMT	ELECTRICAL METALLIC TUBING
AGL	ABOVE GROUND LEVEL

INFINIGY
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STATE OF CONNECTICUT
JOHN S. STEVENS
11/20/2019
24763
LICENSED PROFESSIONAL ENGINEER

No.	Submittal / Revision	App'd	Date
3	REVISED FOR PERMIT	ASW	11/20/19
2	REVISED FOR PERMIT	BMM	10/16/19
1	ISSUED FOR PERMIT	ASW	10/04/19
0	ISSUED FOR REVIEW	BMM	09/13/19

Drawn: BMM Date: 09/13/19
Designed: ASW Date: 09/13/19
Checked: AJD Date: 09/13/19

Project Number: 499-006

Project Title:
WINDHAM
WINDHAM CTR

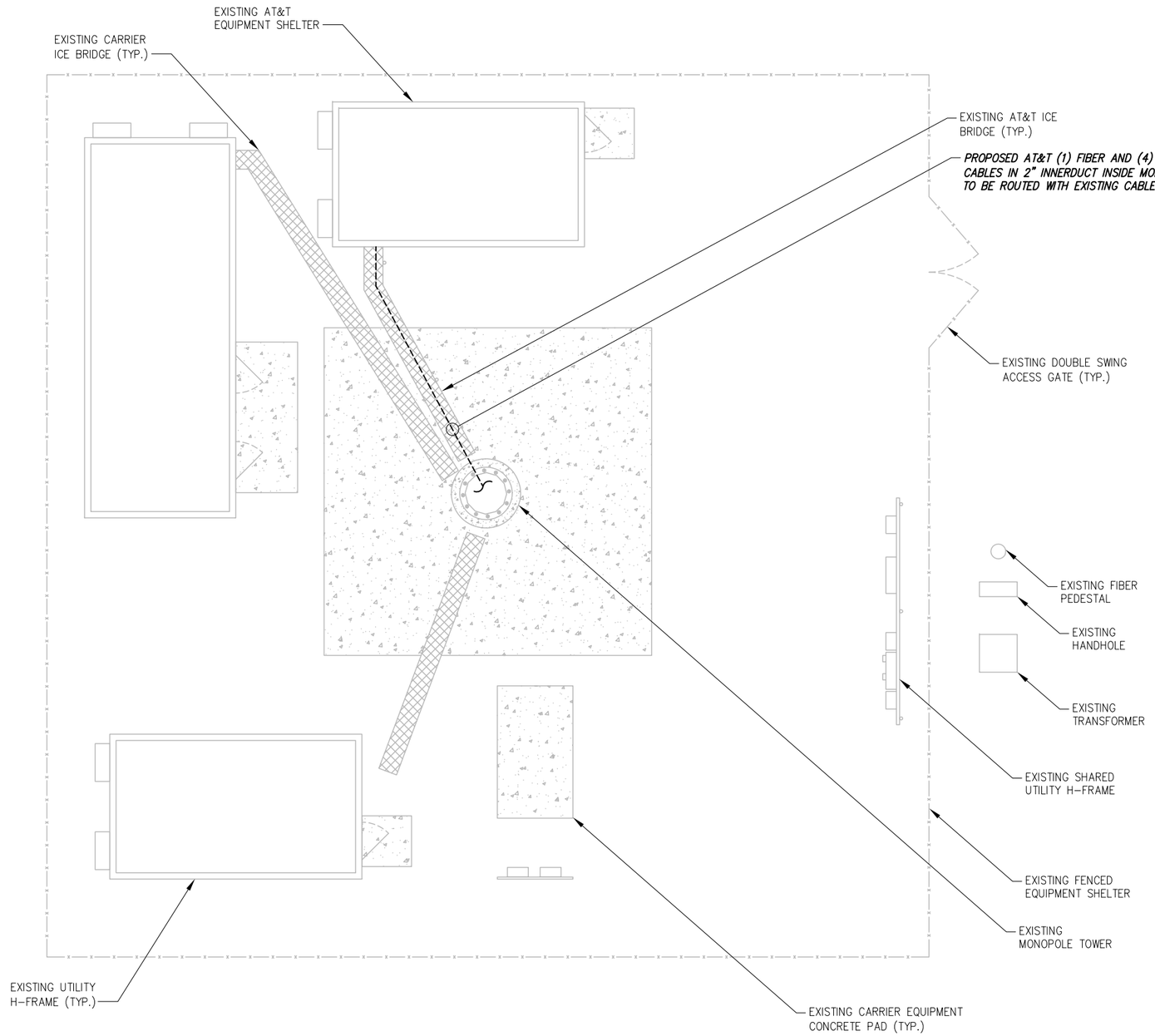
CTL01064
FA# 10035442
193 WINDHAM CENTER ROAD
WINDHAM, CT 06280

Prepared For: smartlink

Drawing Scale: AS NOTED
Date: 11/20/19
CD

Drawing Title
GENERAL NOTES

Drawing Number
C1



BASEMAPPING PREPARED FROM A SITE WALK PERFORMED BY INFINIGY ENGINEERING AND PROVIDED INFORMATION, AND DOES NOT REPRESENT AN ACTUAL FIELD SURVEY.

N
TRUE NORTH

1 SITE PLAN
SCALE: AS NOTED

GRAPHIC SCALE:
10' 5' 0 5' 10'
SCALE (11x17): 1" = 10'-0"
SCALE (22x34): 1" = 5'-0"

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STATE OF CONNECTION
ASHLEY S. WILLIAMS
24082
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499-006

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WINDHAM
WINDHAM CTR

CTL01064
FA# 10035442
193 WINDHAM CENTER ROAD
WINDHAM, CT 06280

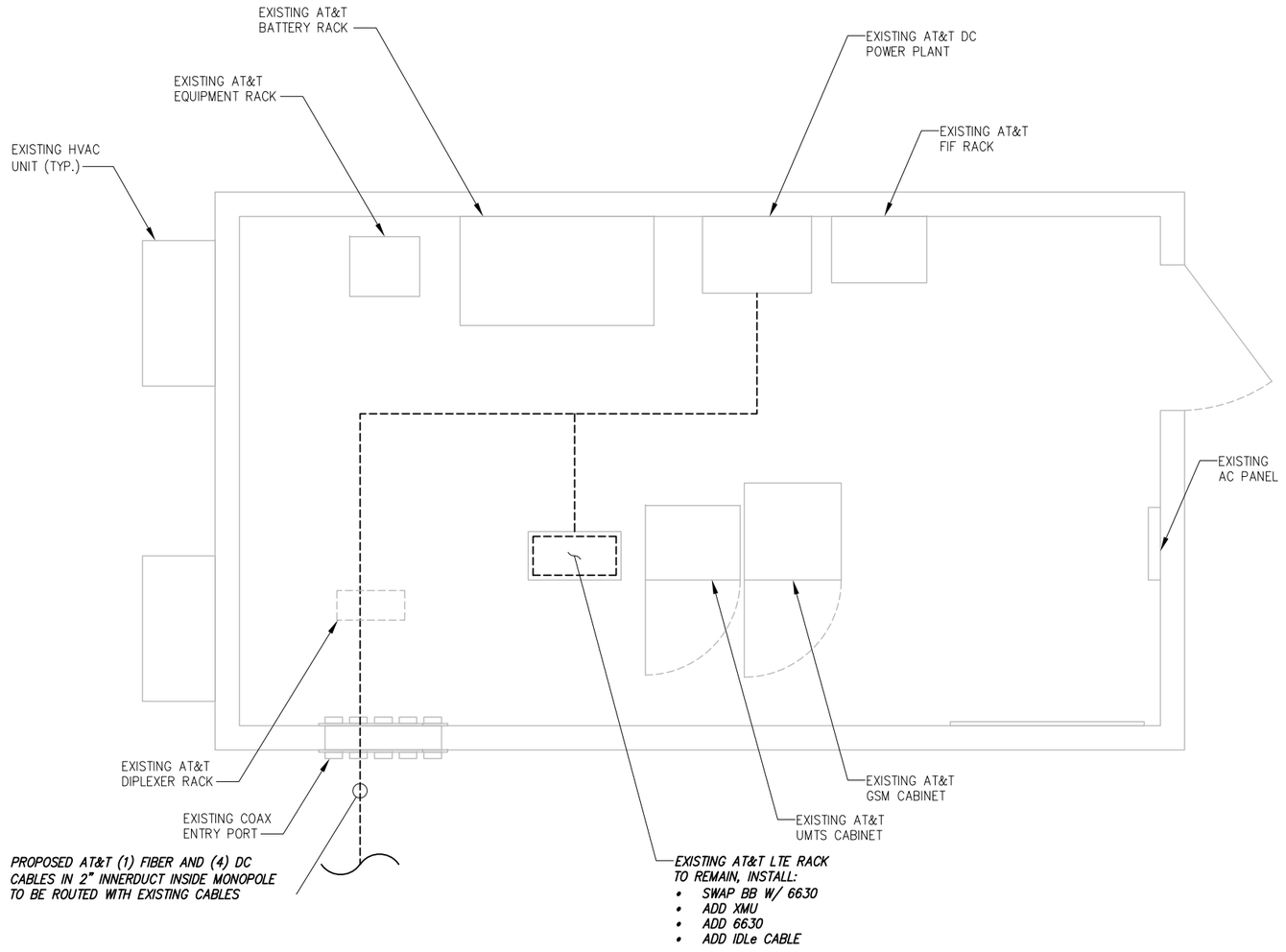
Prepared For:
smartlink

Drawing Scale:
AS NOTED
Date:
11/20/19

CD

Drawing Title
OVERALL SITE PLAN

Drawing Number
C2



BASEMAPPING PREPARED FROM A SITE WALK PERFORMED BY INFINIGY ENGINEERING AND PROVIDED INFORMATION, AND DOES NOT REPRESENT AN ACTUAL FIELD SURVEY.

N
TRUE NORTH

2 ENLARGED EQUIPMENT PLAN
SCALE: AS NOTED

GRAPHIC SCALE:
3' 1'-6" 0 1'-6" 3'
SCALE (11x17): 1" = 3'-0"
SCALE (22x34): 1" = 1'-6"

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LICENSED PROFESSIONAL ENGINEER
11/20/2019

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193 WINDHAM CENTER ROAD
WINDHAM, CT 06280

Prepared For: smartlink

Drawing Scale: AS NOTED
Date: 11/20/19
CD

Drawing Title
ENLARGED SITE PLAN

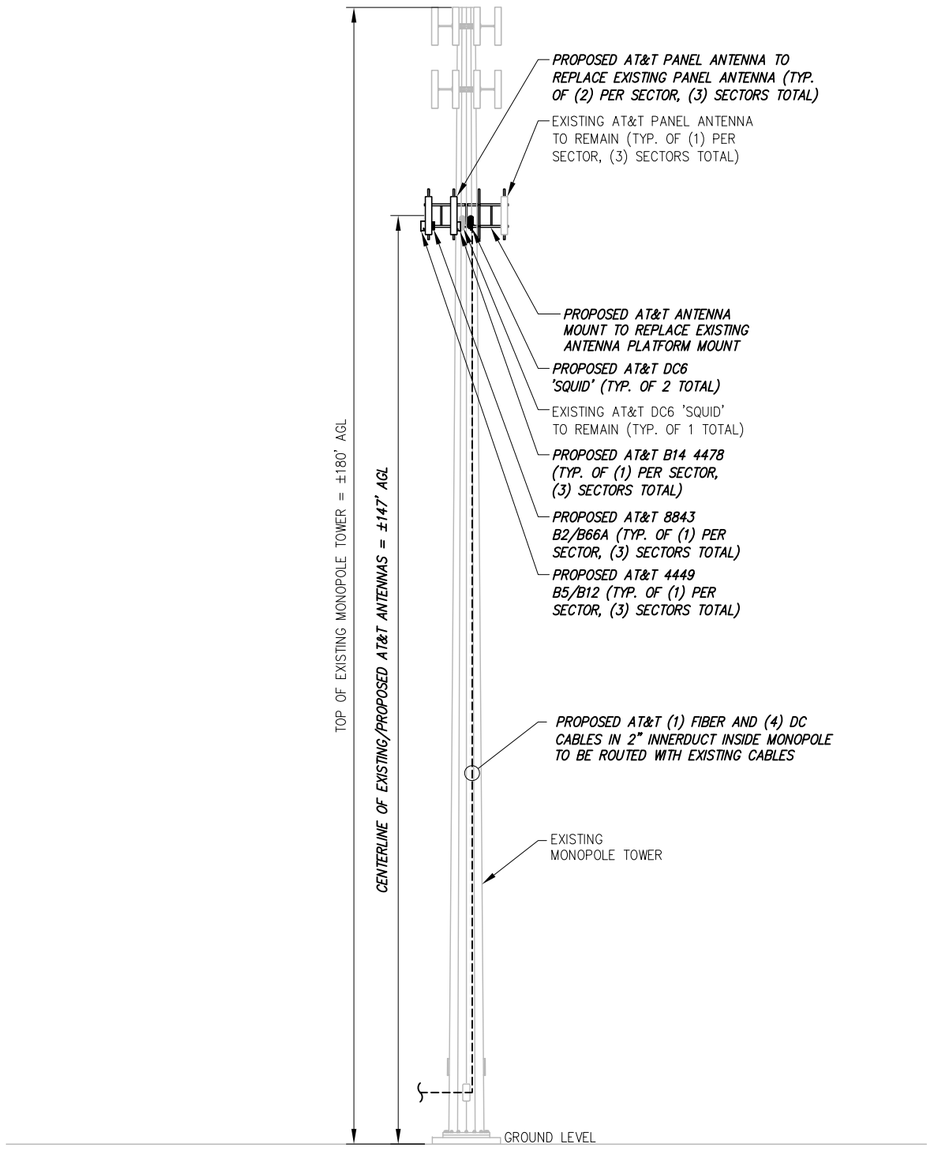
Drawing Number
C2A

NOTE:

- *INFINIGY ENGINEERING HAS NOT EVALUATED THE TOWER LOADING FOR THIS SITE, AND ASSUMES NO RESPONSIBILITY FOR ITS STRUCTURAL INTEGRITY REGARDING ITS EXISTING OR PROPOSED LOADING. FINAL INSTALLATION TO COMPLY STRUCTURAL ANALYSIS.*
- *FOR ADDITIONAL STRUCTURAL INFORMATION PERTAINING TO THE ANTENNA MOUNT, SEE 'AT&T LTE 5C MOUNT ANALYSIS LETTER' COMPLETED BY INFINIGY, DATED 11/18/19. MOUNT TO BE REPLACED WITH SITE PRO1 RMQP-496-HK PLATFORM MOUNT.*

NOTE:

- 3' MINIMUM SEPARATION BETWEEN ALL LTE ANTENNAS
- 6' MINIMUM SEPARATION BETWEEN 700 BC/700 DE ANTENNAS



1 ELEVATION VIEW
NOT TO SCALE

FINAL ANTENNA CONFIGURATION & CABLE SCHEDULE BASED ON LTE RFDS DATED 07/30/19, V 2.00

SECTOR	ANTENNA POSITION	ANTENNA STATUS & TECHNOLOGY	ANTENNA MANF/MODEL	TMA/ DIPLEXER	RRUS	AZIMUTH	ANTENNA ℄ HEIGHT	CABLE FEEDER TYPE	CABLE FEEDER LENGTH	RAYCAP UNIT
ALPHA	A-1	(E) UMTS 850	POWERWAVE 7770	(2) (E) TT08-19DB111-001	--	143°	±147'	(2) (E) 1-5/8" COAX CABLES	±185'	(1) (E) DC6 'SQUID' (2) (P) DC6 'SQUID'
	A-2	--	--	--	--	--	--	(2) (E) 1-5/8" COAX CABLES	±185'	
	A-3	*(P) LTE 700/AWS*	*CCI DMP65R-BU8DA*	--	*(1) (P) B14 4478*	*30°*	*±147'*	(1) (E) FIBER CABLE (2) (E) DC CABLES	--	
	A-4	*(P) LTE 700/850/ 1900/5G 850*	*CCI DMP65R-BU8DA*	--	*(1) (P) 4449 B5/B12 (1) (P) 8843 B2/B66A*	*30°*	*±147'*	SEE A-3 FOR CABLE INFORMATION	--	
BETA	B-1	(E) UMTS 850	POWERWAVE 7770	(2) (E) TT08-19DB111-001	--	263°	±147'	(2) (E) 1-5/8" COAX CABLES	±185'	
	B-2	--	--	--	--	--	--	(2) (E) 1-5/8" COAX CABLES	±185'	
	B-3	*(P) LTE 700/AWS*	*CCI DMP65R-BU8DA*	--	*(1) (P) B14 4478*	*160°*	*±147'*	*(1) (P) FIBER CABLE (4) (P) DC CABLES*	--	
	B-4	*(P) LTE 700/850/ 1900/5G 850*	*CCI DMP65R-BU8DA*	--	*(1) (P) 4449 B5/B12 (1) (P) 8843 B2/B66A*	*160°*	*±147'*	SEE A-3 FOR CABLE INFORMATION	--	
GAMMA	G-1	(E) UMTS 850	POWERWAVE 7770	(2) (E) TT08-19DB111-001	--	23°	±147'	(2) (E) 1-5/8" COAX CABLES	±185'	
	G-2	--	--	--	--	--	--	(2) (E) 1-5/8" COAX CABLES	±185'	
	G-3	*(P) LTE 700/AWS*	*CCI DMP65R-BU8DA*	--	*(1) (P) B14 4478*	*270°*	*±147'*	SEE A-3 FOR CABLE INFORMATION	--	
	G-4	*(P) LTE 700/850/ 1900/5G 850*	*CCI DMP65R-BU8DA*	--	*(1) (P) 4449 B5/B12 (1) (P) 8843 B2/B66A*	*270°*	*±147'*	SEE A-3 FOR CABLE INFORMATION	--	

2 AT&T ANTENNA SCHEDULE
NOT TO SCALE

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LICENSED PROFESSIONAL ENGINEER

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Project Number: 499-006

Project Title:
WINDHAM
WINDHAM CTR

CTL01064
FA# 10035442
193 WINDHAM CENTER ROAD
WINDHAM, CT 06280

Prepared For: smartlink

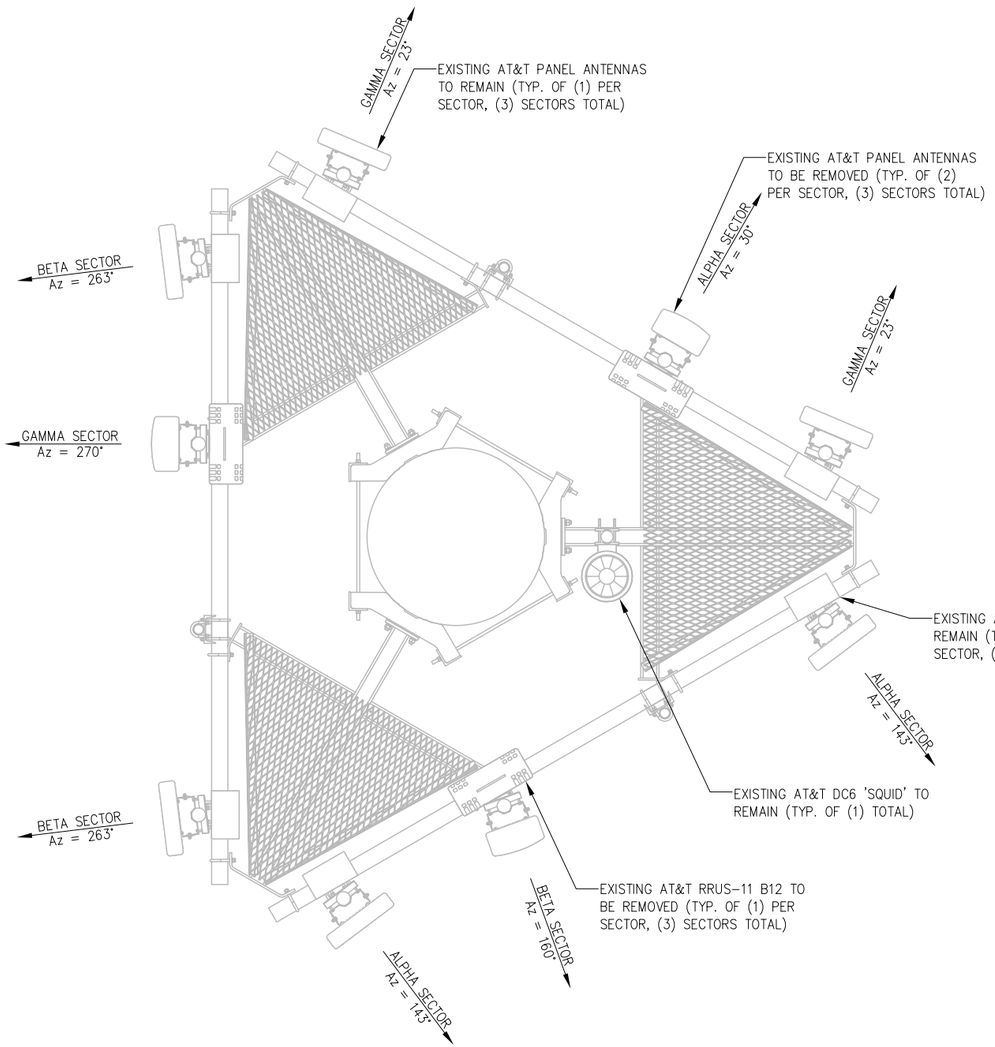
Drawing Scale: AS NOTED
Date: 11/20/19
CD

Drawing Title
ELEVATION VIEW

Drawing Number
C3

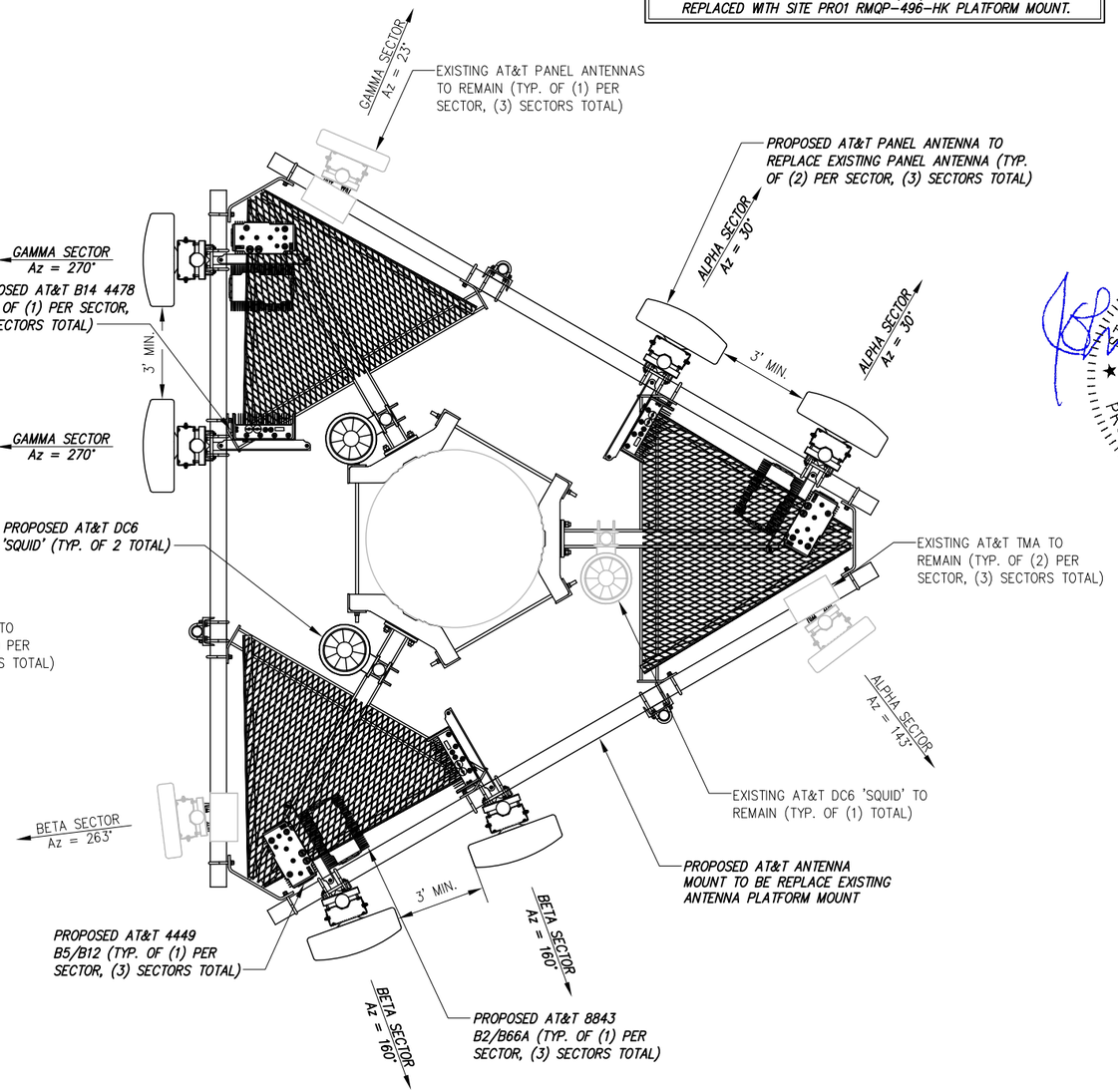
NOTE:
- 3' MINIMUM SEPARATION BETWEEN ALL LTE ANTENNAS
- 6' MINIMUM SEPARATION BETWEEN 700 BC/700 DE ANTENNAS

NOTE:
- *INFINIGY ENGINEERING HAS NOT EVALUATED THE TOWER LOADING FOR THIS SITE, AND ASSUMES NO RESPONSIBILITY FOR ITS STRUCTURAL INTEGRITY REGARDING ITS EXISTING OR PROPOSED LOADING. FINAL INSTALLATION TO COMPLY STRUCTURAL ANALYSIS.*
- *FOR ADDITIONAL STRUCTURAL INFORMATION PERTAINING TO THE ANTENNA MOUNT, SEE 'AT&T LTE 5C MOUNT ANALYSIS LETTER' COMPLETED BY INFINIGY, DATED 11/18/19. MOUNT TO BE REPLACED WITH SITE PRO1 RMQP-496-HK PLATFORM MOUNT.*



TRUE NORTH

1 EXISTING ANTENNA ORIENTATION PLAN
NOT TO SCALE



TRUE NORTH

2 PROPOSED ANTENNA ORIENTATION PLAN
NOT TO SCALE

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Project Title:
WINDHAM
WINDHAM CTR

CTL01064
FA# 10035442
193 WINDHAM CENTER ROAD
WINDHAM, CT 06280

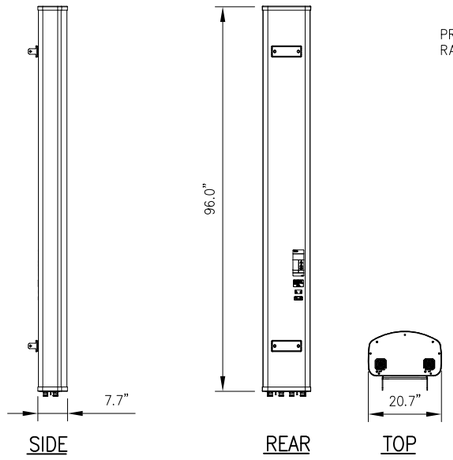
Prepared For: smartlink

Drawing Scale: AS NOTED
Date: 11/20/19

CD

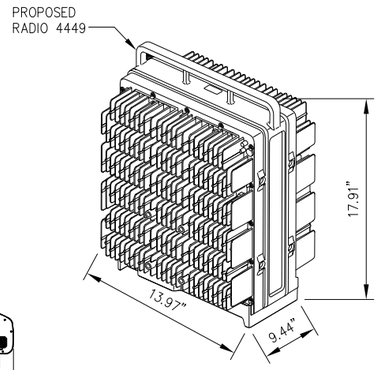
Drawing Title
ANTENNA ORIENTATION PLAN

Drawing Number
C4



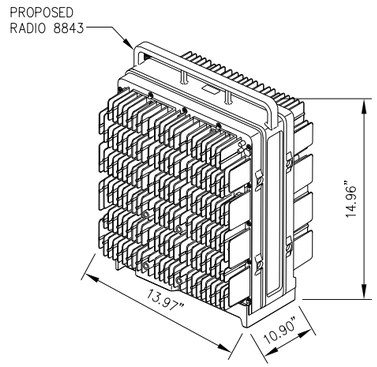
CCI MODEL NO.:	DMP65R-BU8DA
RADOME MATERIAL:	FIBERGLASS
RADOME COLOR:	LIGHT GRAY
DIMENSIONS, HxWxD:	(96.0"x20.7"x7.7")
WEIGHT, W/ PRE-MOUNTED BRACKETS:	95.7 LBS
CONNECTOR:	7-16 DIN FEMALE

1 ANTENNA DETAIL
NOT TO SCALE



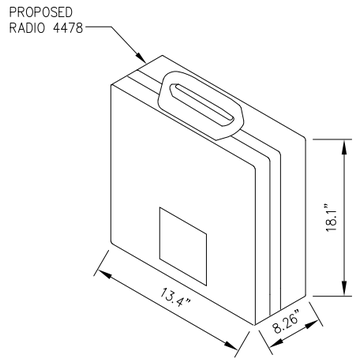
RADIO 4449 SPECIFICATIONS
- HxWxD, (INCHES) : 17.91"x13.97"x9.44"
- WEIGHT (LBS) : 70.54
- COLOR : GRAY

2 ERICSSON RADIO 4449 DETAIL
NOT TO SCALE



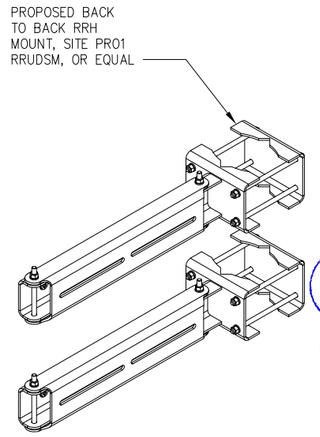
RADIO 8843 SPECIFICATIONS
- HxWxD, (INCHES) : 14.96"x13.97"x10.90"
- WEIGHT (LBS) : 71.87
- COLOR : GRAY

3 ERICSSON RADIO 8843 DETAIL
NOT TO SCALE

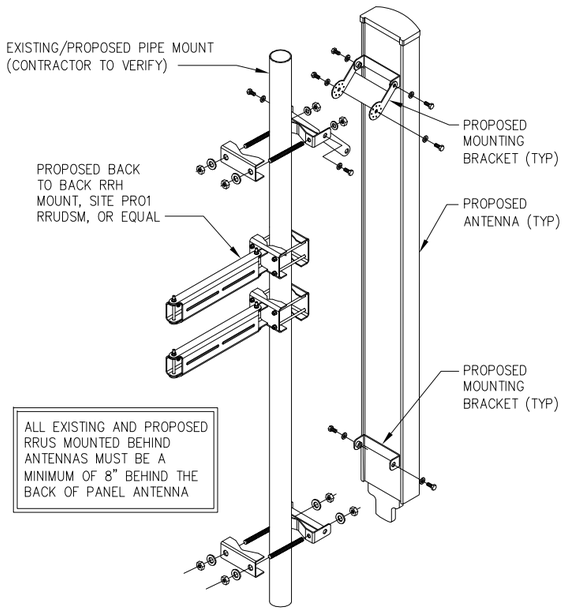


RADIO 4478-B14 SPECIFICATIONS
- HxWxD, (INCHES) : 18.1"x13.4"x8.26"
- WEIGHT (LBS) : 59.5
- COLOR : GRAY
- MOUNTING BRACKET: SXK1250244/1

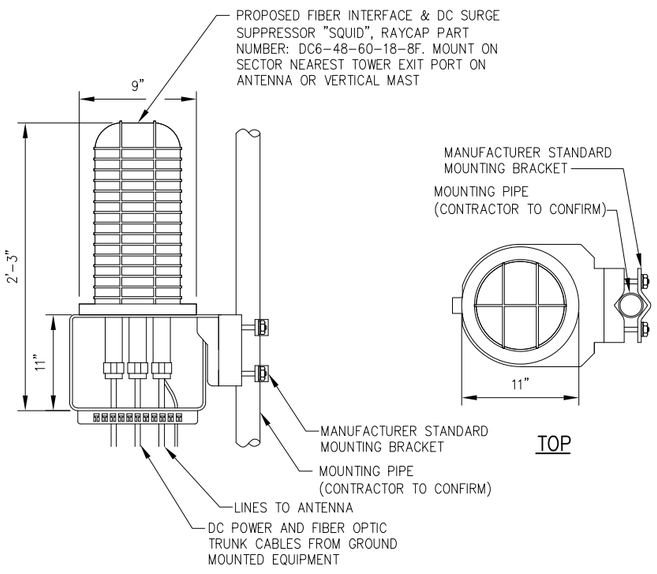
4 ERICSSON RADIO 4478-B14 DETAIL
NOT TO SCALE



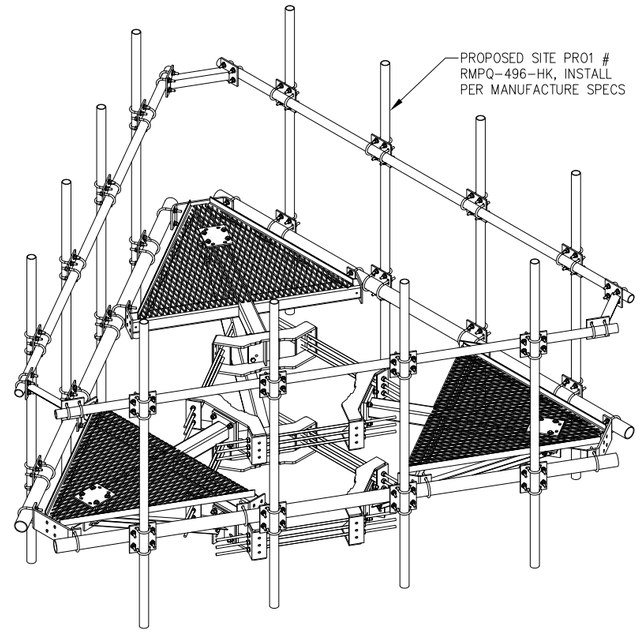
5 BACK TO BACK PIPE MOUNT DETAIL
NOT TO SCALE



6 ANTENNA MOUNTING DETAIL
NOT TO SCALE



7 SQUID DETAIL
NOT TO SCALE



8 PLATFORM MOUNT DETAIL
NOT TO SCALE

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JOHN S. STEVENS
11/20/2019
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WINDHAM CTR

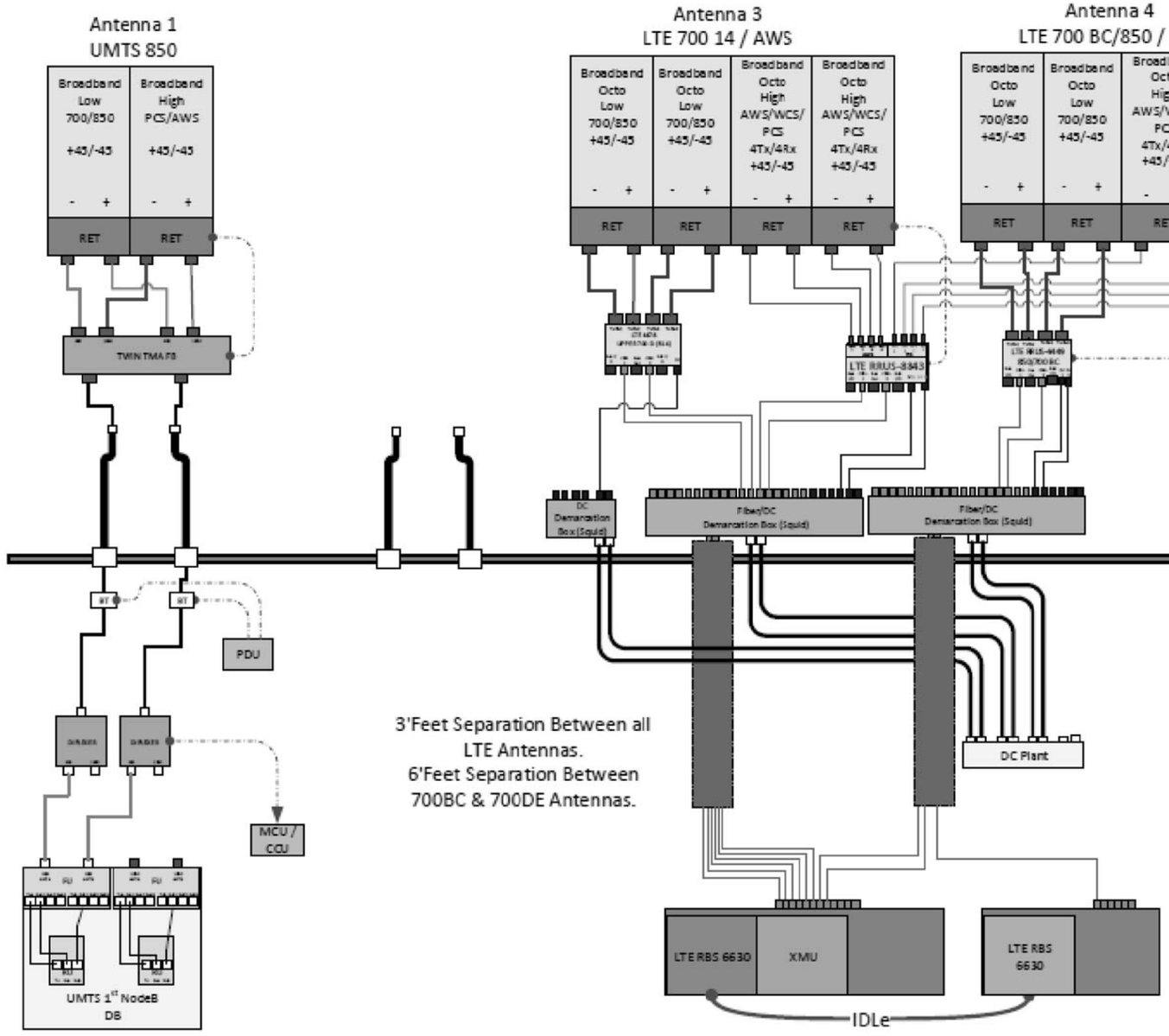
CTL01064
FA# 10035442
193 WINDHAM CENTER ROAD
WINDHAM, CT 06280

Prepared For: smartlink

Drawing Scale: AS NOTED
Date: 11/20/19
CD

Drawing Title
EQUIPMENT DETAILS

Drawing Number
C5



ALPHA/BETA/GAMMA

1 PLUMBING DIAGRAM (FINAL CONFIGURATION)
NOT TO SCALE

*BASED ON LTE RFDS, DATED 07/30/2019, V2.00

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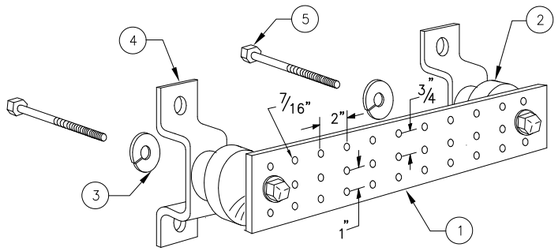
Drawing Title
PLUMBING DIAGRAM

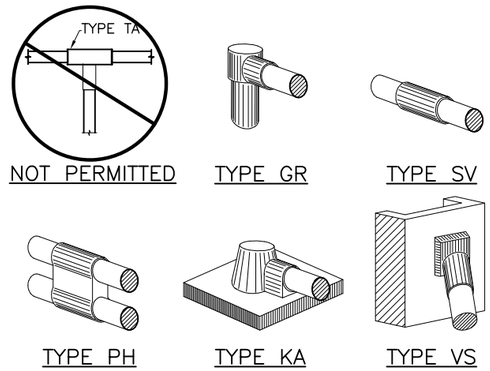
Drawing Number
C6



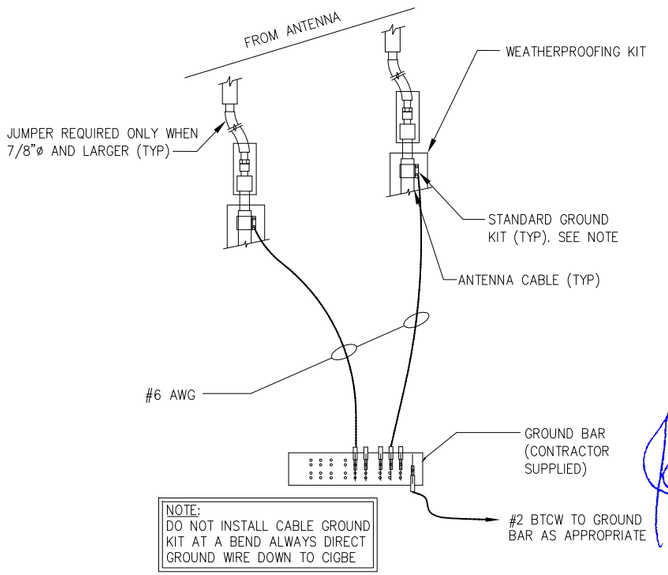
LEGEND

1 – SOLID TINNED COPPER GROUND BAR, 1/4"x 4"x 20" MIN., NEWTON INSTRUMENT CO. HOLE CENTERS TO MATCH NEMA DOUBLE LUG CONFIGURATION
2 – INSULATORS, NEWTON INSTRUMENT CAT. NO. 3061–4
3 – 5/8" LOCKWASHERS, NEWTON INSTRUMENT CO. CAT. NO. 3015–8
4 – WALL MOUNTING BRACKET, NEWTON INSTRUMENT CO. CAT NO. A–6056
5 – 5/8–11 X 1" H.H.C.S. BOLTS, NEWTON INSTRUMENT CO. CAT NO. 3012–1
6 – GROUND BAR SHALL BE SIZED TO ACCOMODATE ALL GROUNDING CONNECTIONS REQUIRED PLUS PROVIDE 50% SPARE CAPACITY
7 – GROUND BARS SHALL NEITHER BE FIELD FABRICATED NOR NEW HOLES DRILLED
8 – GROUND LUGS SHALL MATCH THE HOLE SPACING ON THE BAR
9 – HARDWARE DIAMETER SHALL BE MINIMUM 3/8"

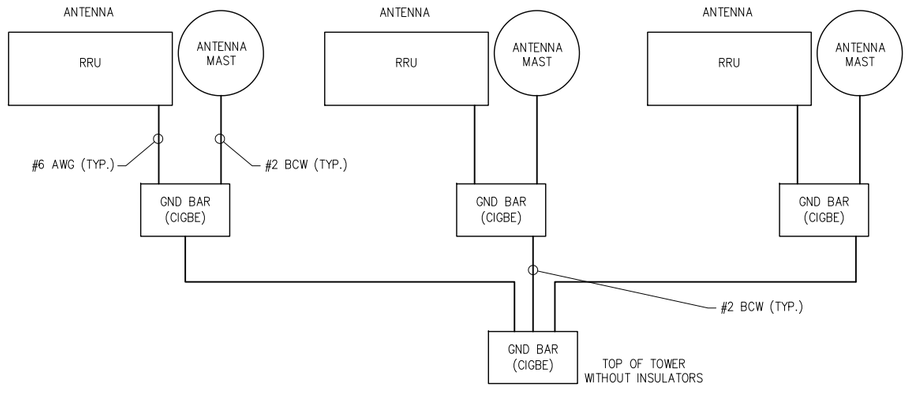
1 — GROUND BAR
NOT TO SCALE



2 — CADWELDS (TYPICAL)
NOT TO SCALE



3 — CONNECTION OF GROUND WIRES TO GROUNDING BARS @ ANTENNAS
NOT TO SCALE



4 — SCHEMATIC DIAGRAM GROUNDING SYSTEM
NOT TO SCALE

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11/20/2019
PROFESSIONAL ENGINEER
LICENSED

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Drawing Title
GROUNDING DETAILS

Drawing Number
C7

INFINIGY
FROM ZERO TO INFINIGY
the solutions are endless

1033 WATERVLIET SHAKER RD, ALBANY, NY 12205

November 18, 2019

Kristina Cottone
Smartlink, LLC
85 Rangeway Road Building 3 Suite 102, North Billerica, MA 01862
Kristina.cottone@smartlinkllc.com

RE: AT&T LTE 5C Mount Analysis Letter

Site Number	CTL01064
Site Name	Windham CTR
AT&T FA Number	10035442
AT&T PTN Number	2051A0PQEN, 2051A0PQWE, 2051A0PQF7, 2051A0PQM8, 2051A0PQS4
AT&T PACE Number	MRCTB040530, MRCTB040444, MRCTB040469, MRCTB040708, MRCTB040763
Site Address	193 Windham Center Road, Windham, CT 06280
Building Code	2015 IBC
Design Standard:	ANSI/TIA-222-H
Result:	**Pass**
Note:	**Mount must be replaced with SitePro1 RMQP-496-HK.**

Dear Ms. Kristina Cottone:

At your request, Infinigy Engineering, PLLC has reviewed the proposed AT&T antenna mounted equipment supports at the above referenced site for adequacy to support the existing and proposed loads for the referenced project. This evaluation is based on a review of the information from the Mount Specifications (dated 07/14/14) provided by Valmont Company, Construction Drawings (dated 10/16/19) provided by Infinigy Engineering, PLLC, RFDS (dated 07/31/19) provided by AT&T, and Photos (dated 06/26/19) provided by Client.

This evaluation assumes that all structural members are in good condition, have not been altered from the manufacturer's original design, and have been installed per the manufacturer's requirements. Prior to installation of any new appurtenances, the contractor shall inspect the condition of all relevant members and connections and shall tighten all connections. The contractor is responsible for the means and methods of construction and shall notify Infinigy Engineering, PLLC immediately if any field conditions differ from those listed above.

Should there be any questions, please do not hesitate to contact us at (518) 690-0790.

Sincerely,

Joseph R. Johnston, P.E.
518-690-0790
jjohnston@infinigy.com
CT P.E. License No: PEN.0029460
BDA

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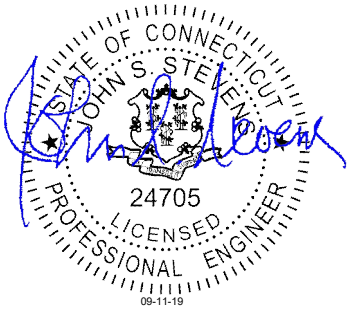
1033 WATERVLIET SHAKER RD, ALBANY, NY 12205

Mount Analysis Report

September 11, 2019

Site Name	Windham CTR
Site Number	CTL01064
FA Number	10035442
PTN Number	2051A0PQEN, 2051A0PQWE, 2051A0PQF7, 2051A0PQM8, 2051A0PQS4
Pace Number	MRCTB040530, MRCTB040444, MRCTB040469, MRCTB040708, MRCTB040763
Infinigy Job Number	1106-A0001-B
Client	Smartlink
Carrier	AT&T Mobility
Site Location	193 Windham Center Road Windham, CT 06280 41.6900481 N NAD83 72.1625269 W NAD83
Mount Centerline EL.	147.0 ft
Mount Type	Platform
Failing Mount Usage	**>200%**
Passing Mount Usage	**82.3%**
Overall Result	**Fail - See Recommendations Below**
Notes	**Mount must be replaced with Site Pro 1 RMQP-496-HK. See final page for cost estimate.**

Upon reviewing the results of this analysis, it is our opinion that the mount does not meet the specified TIA and ASCE code requirements. The mount and connections are therefore deemed inadequate to support the existing and proposed loading as listed in this report.



David Schwenker
Project Engineer I

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Calculations…….. Appended

Introduction

Infinigy Engineering has been requested to perform a mount analysis on the existing AT&T Mobility mounts. All supporting documents have been obtained from the client and are assumed to be accurate and applicable to this site. The mount was analyzed using RISA-3D Version 17.0.4 analysis software.

Supporting Documentation

RFDS	RFDS ID #3167712, dated July 31, 2019
Structural Report	FDH Project Number 12-02237E S2, dated August 23, 2012
Site Photos	Smartlink Provided, dated June 26, 2019
Mount Specifications	Site Pro 1 Part No. RMQP-496-HK

Analysis Code Requirements

Wind Speed	129 mph (3-Second Gust)
Wind Speed w/ Ice	50 mph (3 Second Gust) w/ 1.275" Ice
TIA Revision	ANSI/TIA-222-H
Adopted IBC	2015 IBC
Structure Class	II
Exposure Category	C
Topographic Category	1
Spectral Response	S_s = 0.173 g, S_1 = 0.062 g
Site Class	D - Stiff Soil
HMSL	205 ft.

Conclusion

Upon reviewing the results of this analysis, it is our opinion that the mount does not meet the specified TIA and ASCE code requirements. The mount and connections are therefore deemed inadequate to support the existing and proposed loading as listed in this report.

If you have any questions, require additional information, or actual conditions differ from those as detailed in this report please contact me via the information below:

David Schwenker
Project Engineer I | **INFINIGY**
1490 W. 121st Ave. Suite 101, Westminster, CO 80234
(O) (303)219-1178
dschwenker@infinigy.com | www.infinigy.com

Final Configuration Loading

Mount CL (ft)	Vert. O/S (ft)	Rad. HT (ft)	Horiz. O/S (ft)*	Qty	Appurtenance	Carrier
147.0	0.0	147.0	0.62	3	POWERWAVE 7770.00	AT&T Mobility
			0.62	3	POWERWAVE TT08-19DB111-001	
			4.37	3	CCI ANTENNAS DMP65R-BU8D	
			12.37	3	CCI ANTENNAS DMP65R-BU8D	
			4.37	3	ERICSSON 4478 B14	
			12.37	3	ERICSSON 4449 B5/B12	
			12.37	3	ERICSSON 8843 B2/B66A	
			3.45	3	RAYCAP DC6 SQUID	

***Horizontal Offset is defined as the distance from the left most edge of the mount face horizontal when viewed facing the tower**

Structure Usages

Horizontals	86.2%	Pass
Standoffs	>200%	Fail
Mount Pipes	172.8%	Fail
Bracing	>200%	Fail
Bolts	>200%	Pass
Passing Usage	82.3%	Pass
Max Usage	**>200%**	**Fail**

Mount Connection Usages

Reaction Data	Design Capacity*	Analysis Reactions	Results
Max Tension (lbs.)	10170	14407	141.7%
Max Shear (lbs.)	6213	6008	96.7%
Unity Check	-	-	294.2%

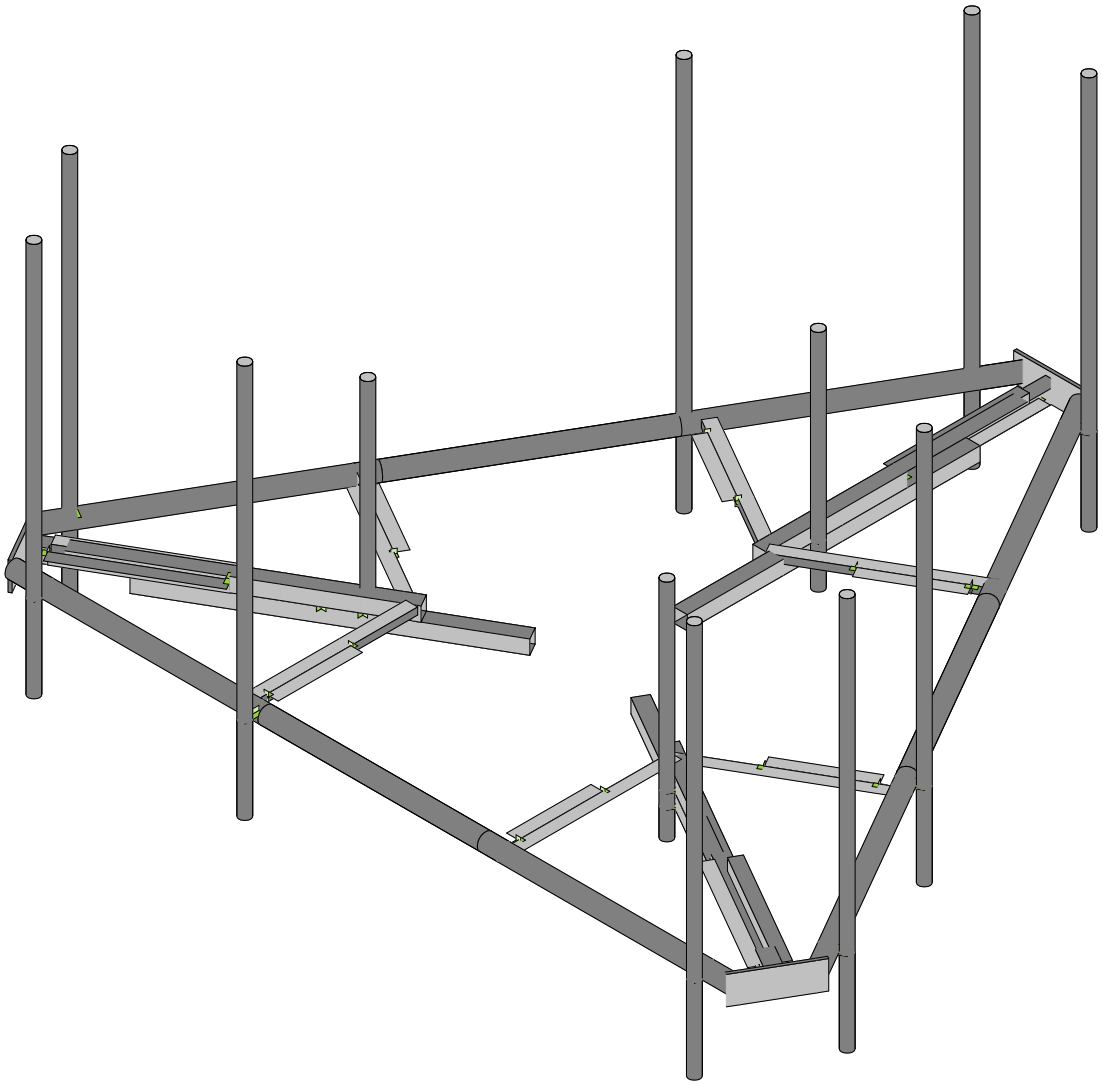
***Assumed (4) 0.625" A307 Bolts. Contractor to field verify prior to proposed installation.**

Assumptions and Limitations

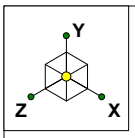
Our structural calculations are completed assuming all information provided to Infinigy Engineering is accurate and applicable to this site. For the purposes of calculations, we assume an overall structure condition of "like new" and all members and connections to be free of corrosion and/or structural defects. The structure owner and/or contractor shall verify the structure's condition prior to installation of any proposed equipment. If actual conditions differ from those described in this report Infinigy Engineering should be notified immediately to complete a revised evaluation.

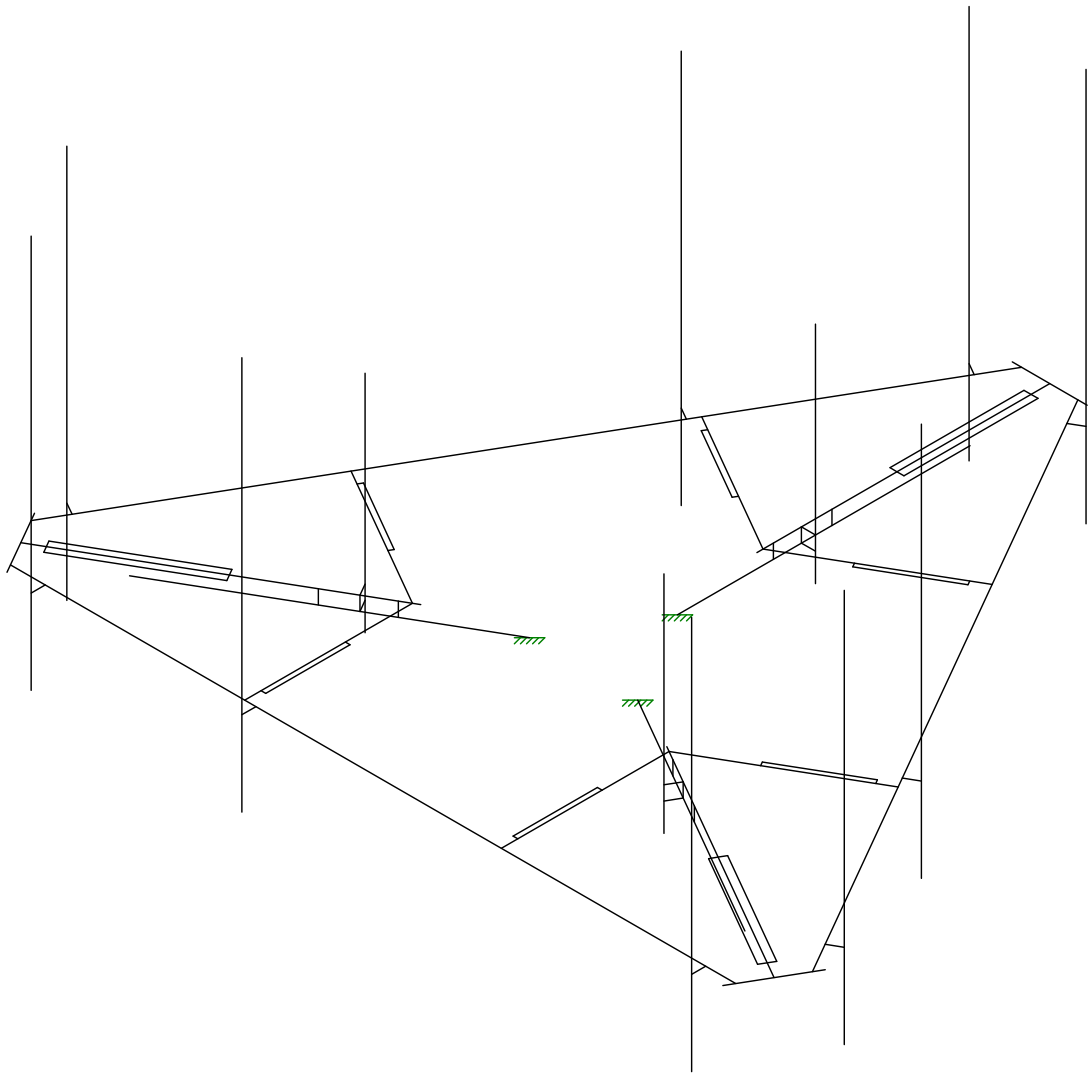
Our evaluation is completed using standard TIA, AISC, ACI, and ASCE methods and procedures. Our structural results are proprietary and should not be used by others as their own. Infinigy Engineering is not responsible for decisions made by others that are or are not based on our supplied assumptions and conclusions.

This report is an evaluation of the proposed carriers mount structure only and does not reflect adequacy of the existing tower, other mounts, or coax mounting attachments. These elements are assumed to be adequate for the purposes of this analysis and are assumed to have been installed per their manufacturer requirements.

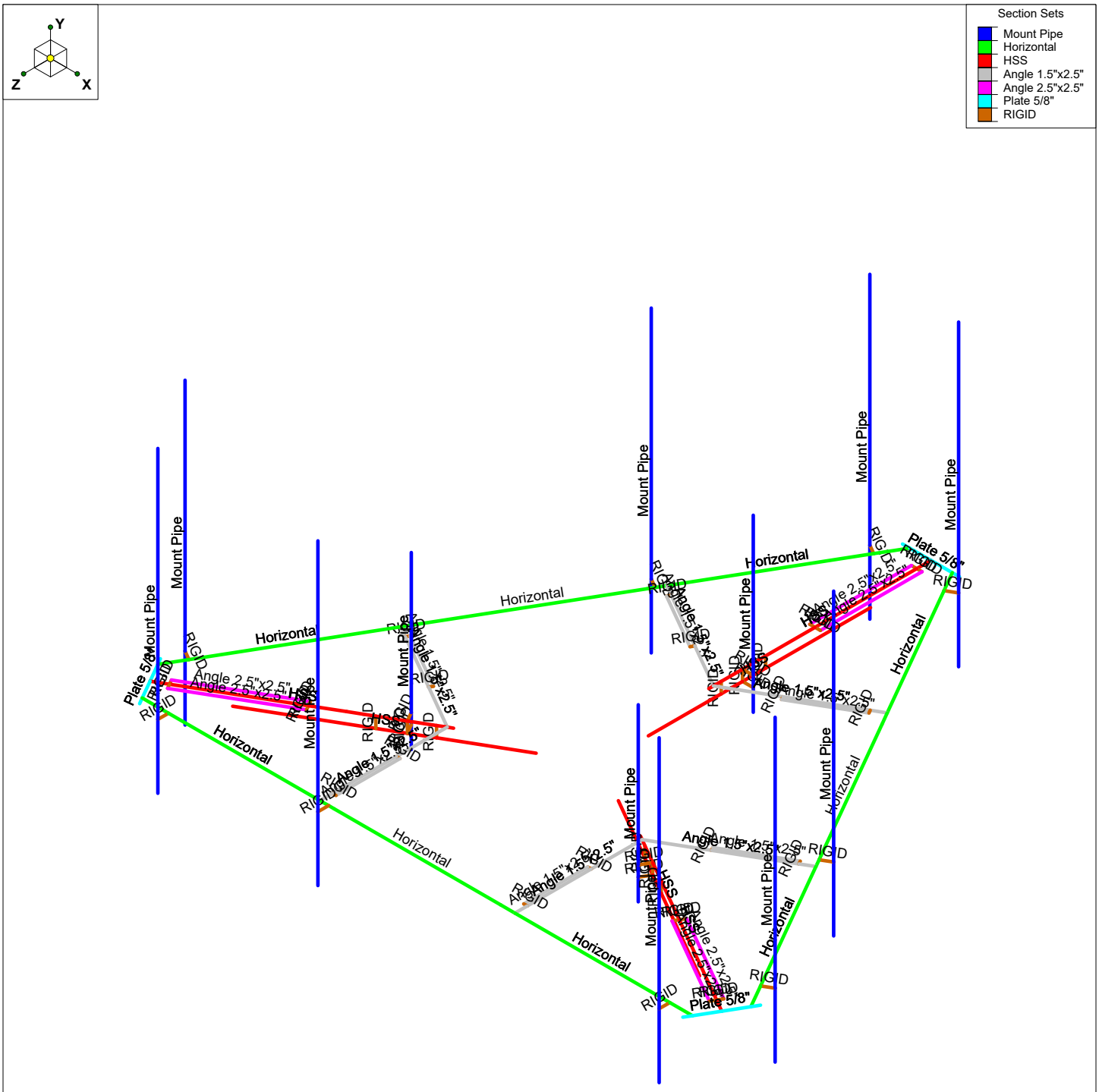


Infinigy Engineering, PLLC	CTL01064 Windham CTR CT	Existing Rendering
DWS		Sept 11, 2019 at 10:57 AM
1106-A0001-B		CTL01064 Windham CTR CT_load...

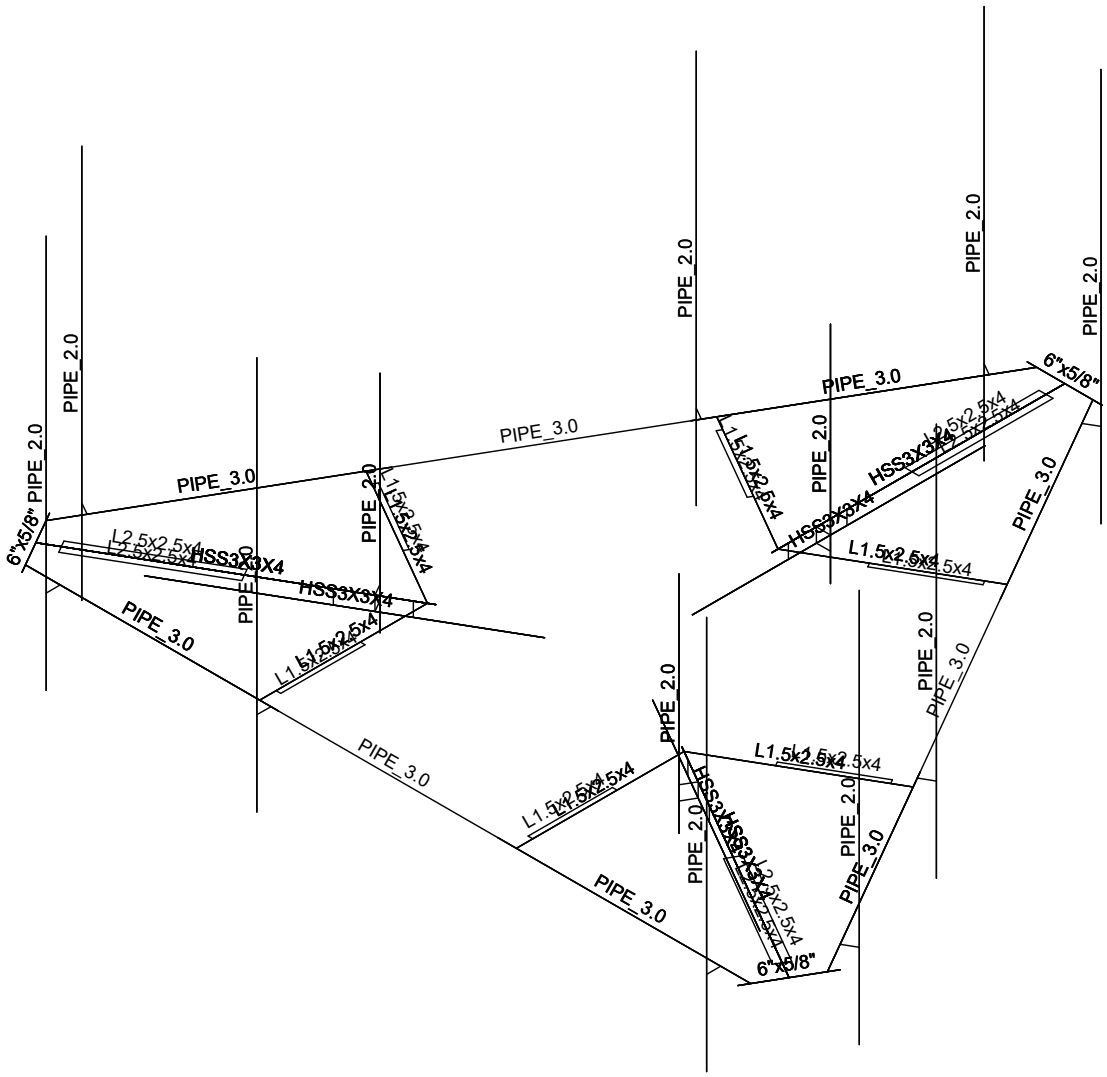




Infinigy Engineering, PLLC	CTL01064 Windham CTR CT	Existing Wireframe
DWS		Sept 11, 2019 at 10:55 AM
1106-A0001-B		CTL01064 Windham CTR CT_load...



Infinigy Engineering, PLLC	CTL01064 Windham CTR CT	Section Sets
DWS		Sept 9, 2019 at 3:13 PM
1106-A0001-B		CTL01064 Windham CTR CT_load...



Infinigy Engineering, PLLC	CTL01064 Windham CTR CT	Member Shape
DWS		Sept 9, 2019 at 3:14 PM
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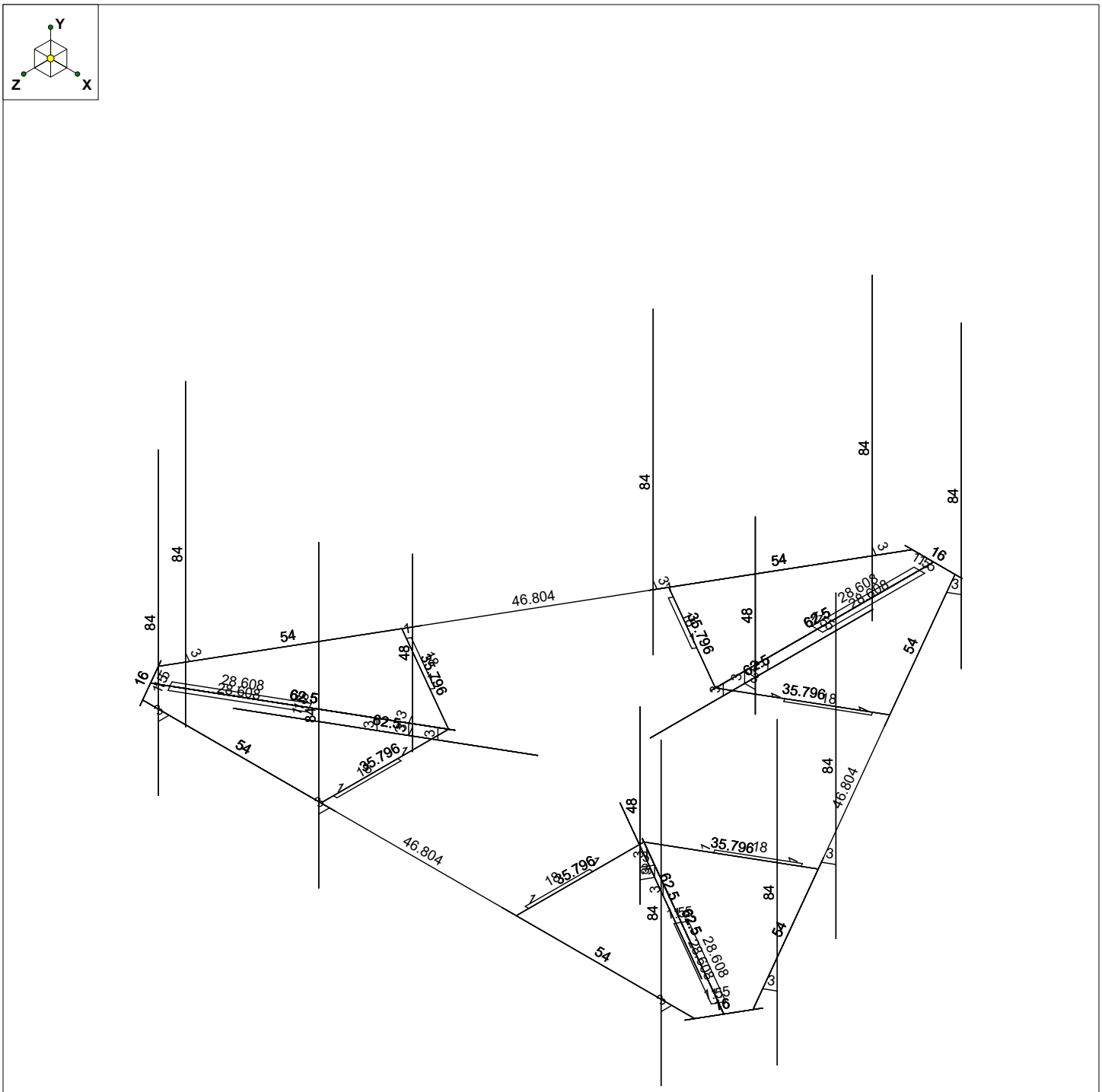
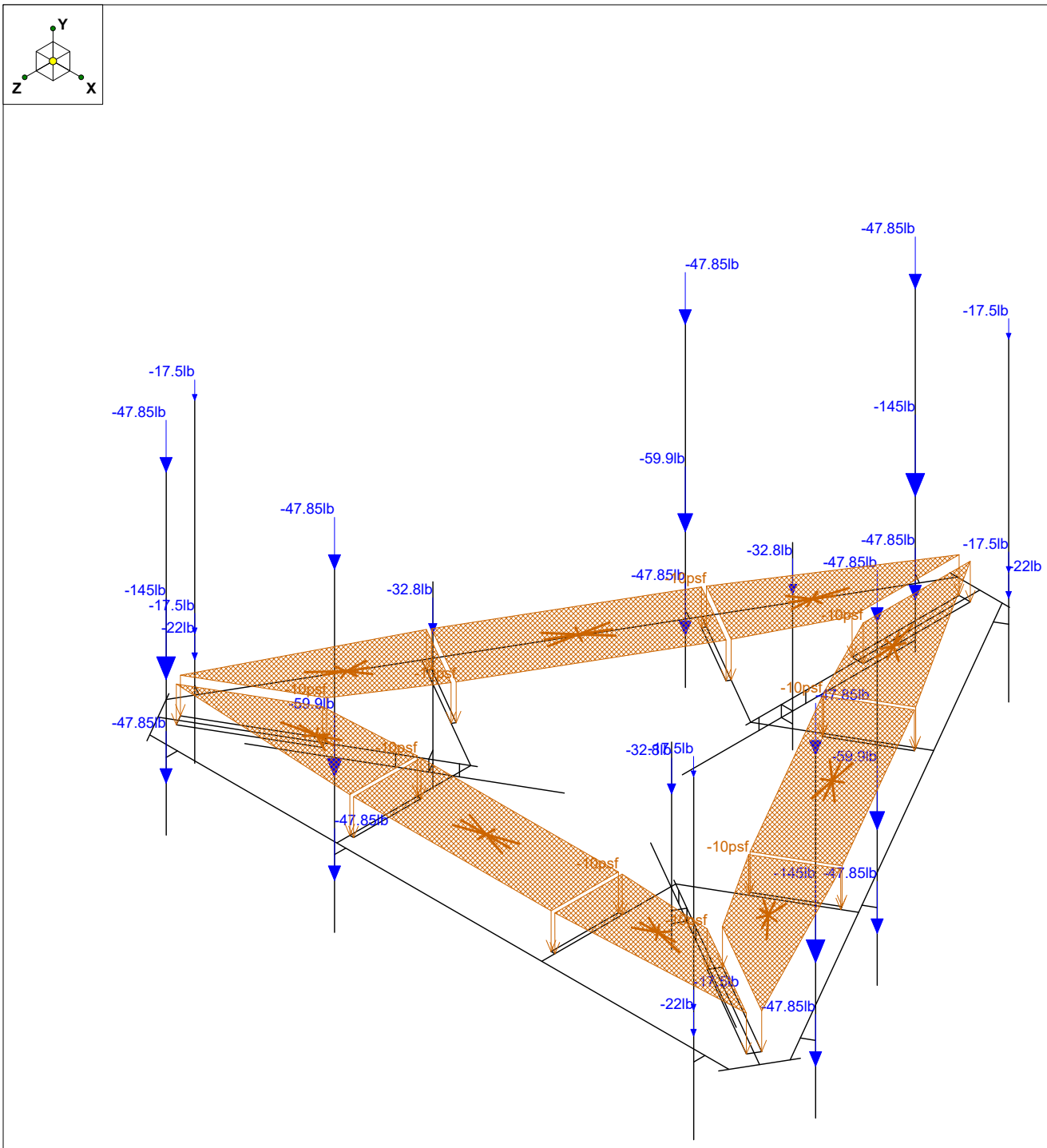


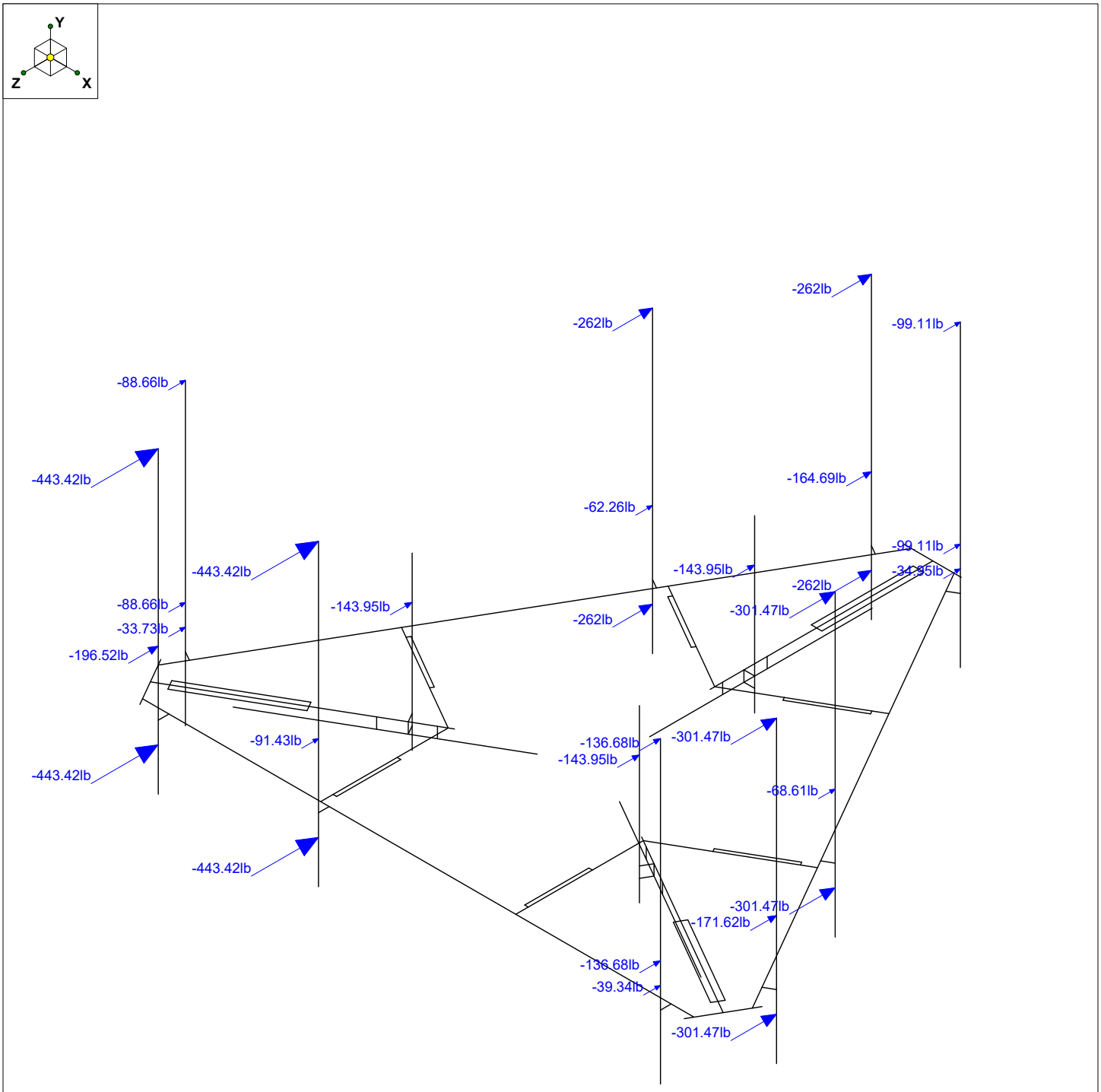
Member Length (in) Displayed

Infinigy Engineering, PLLC	CTL01064 Windham CTR CT	Member Length
DWS		Sept 9, 2019 at 3:14 PM
1106-A0001-B		CTL01064 Windham CTR CT_load...



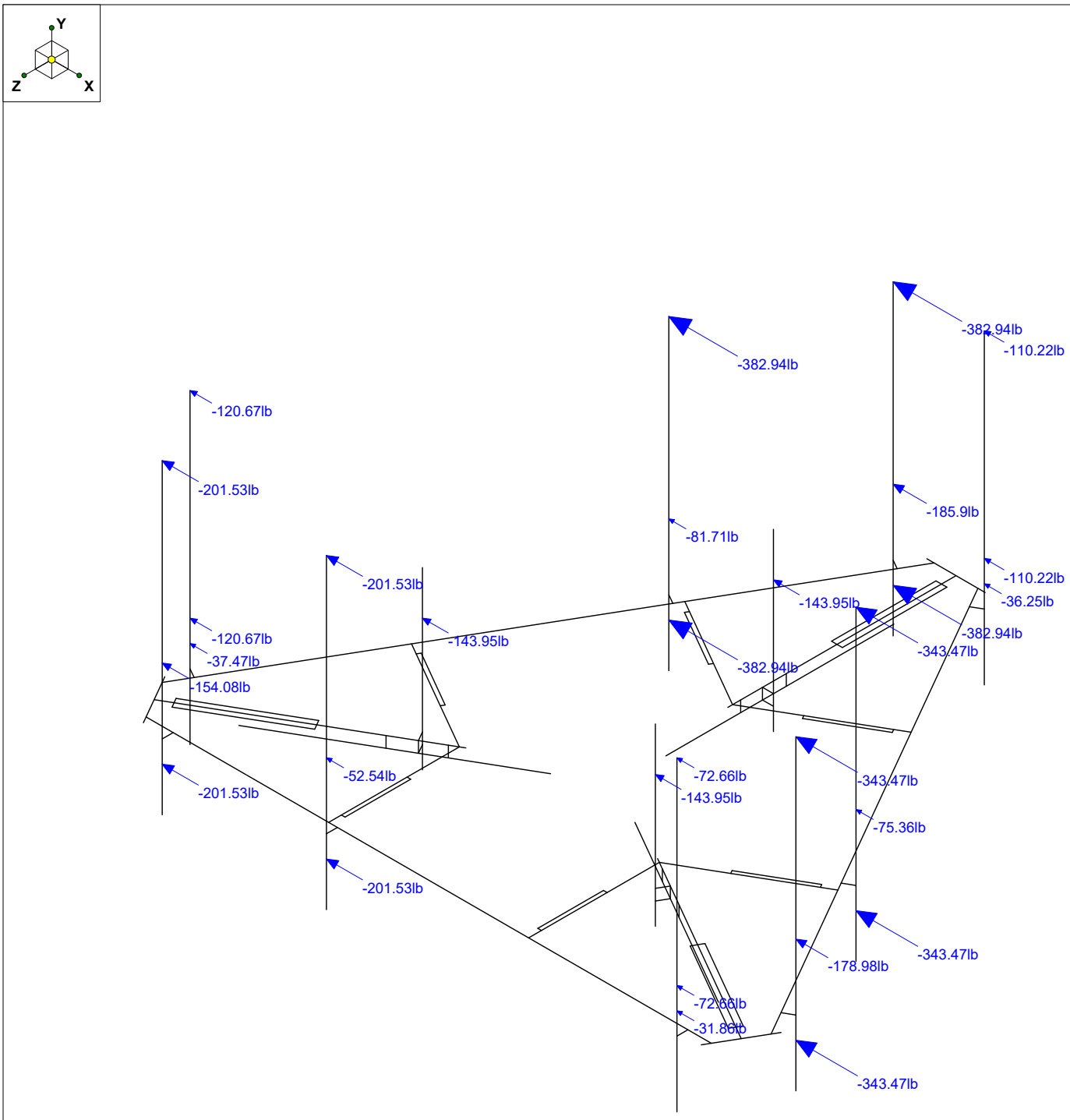
Loads: BLC 1, Self Weight

Infinigy Engineering, PLLC	CTL01064 Windham CTR CT	Self Weight
DWS		Sept 11, 2019 at 11:05 AM
1106-A0001-B		CTL01064 Windham CTR CT_load...



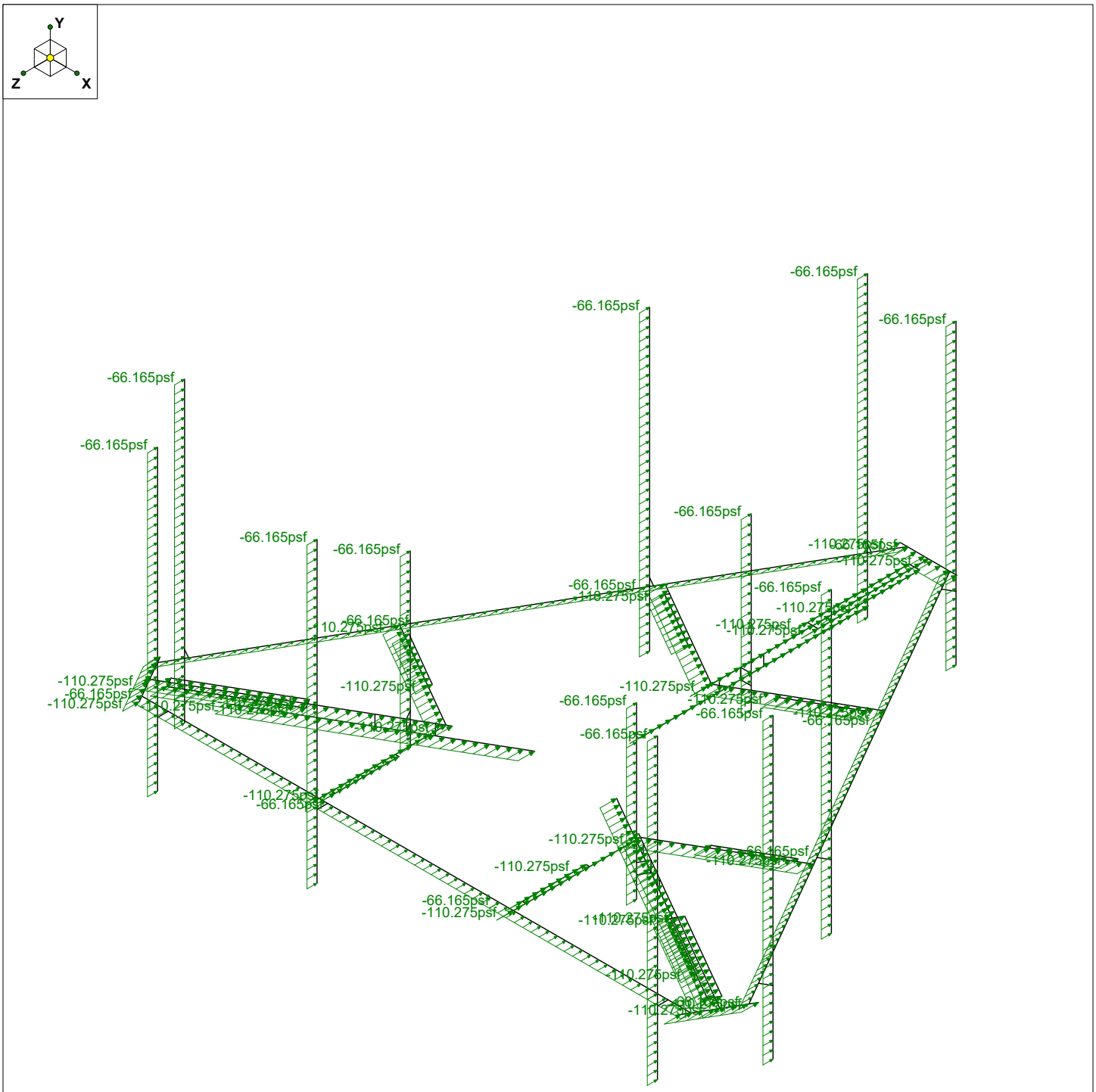
Loads: BLC 2, Wind Load AZI 0

Infinigy Engineering, PLLC	CTL01064 Windham CTR CT	Wind Load 000
DWS		Sept 11, 2019 at 11:06 AM
1106-A0001-B		CTL01064 Windham CTR CT_load...



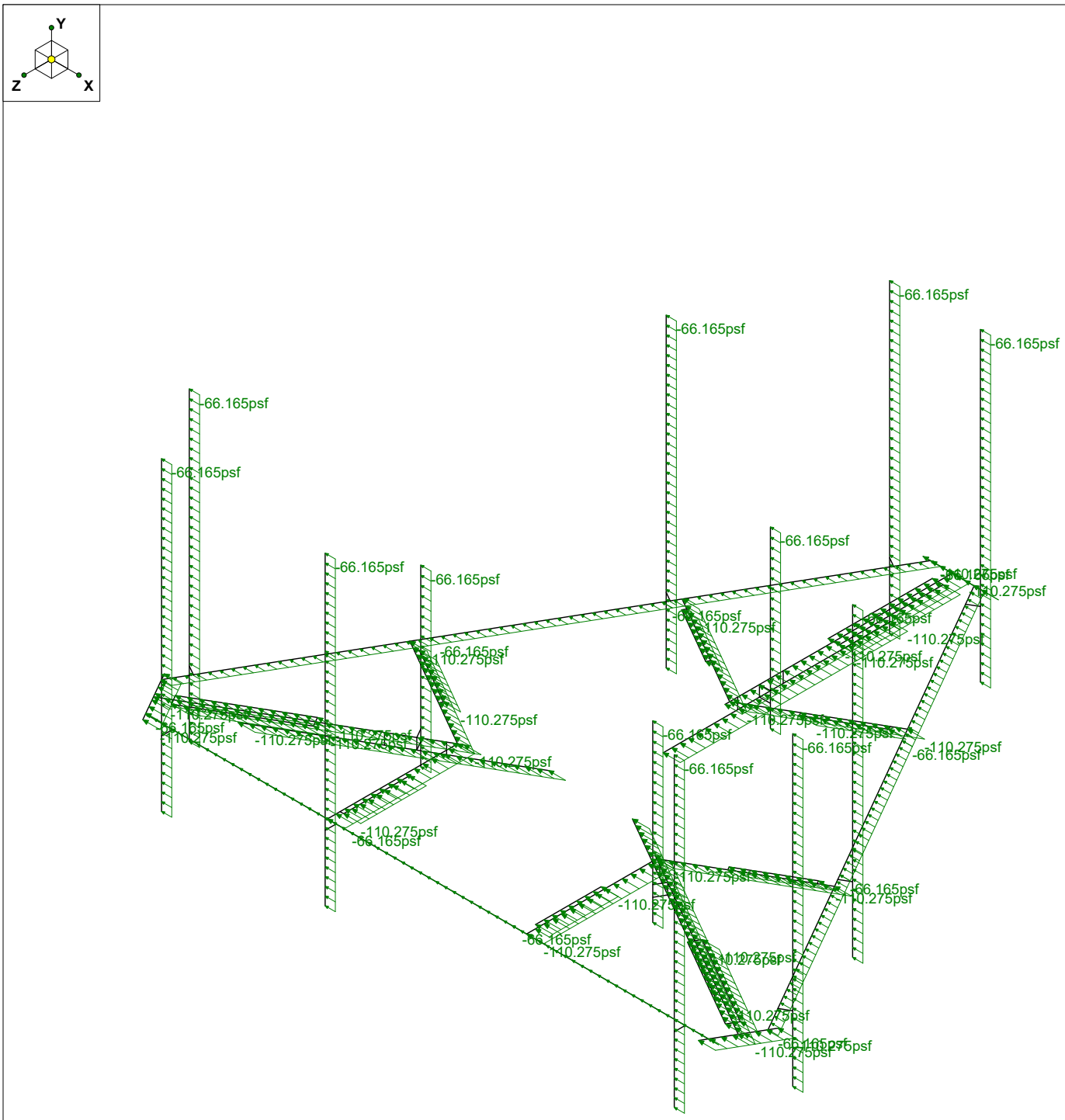
Loads: BLC 5, Wind Load AZI 90

Infinigy Engineering, PLLC	CTL01064 Windham CTR CT	Wind Load 090
DWS		Sept 11, 2019 at 11:07 AM
1106-A0001-B		CTL01064 Windham CTR CT_load...



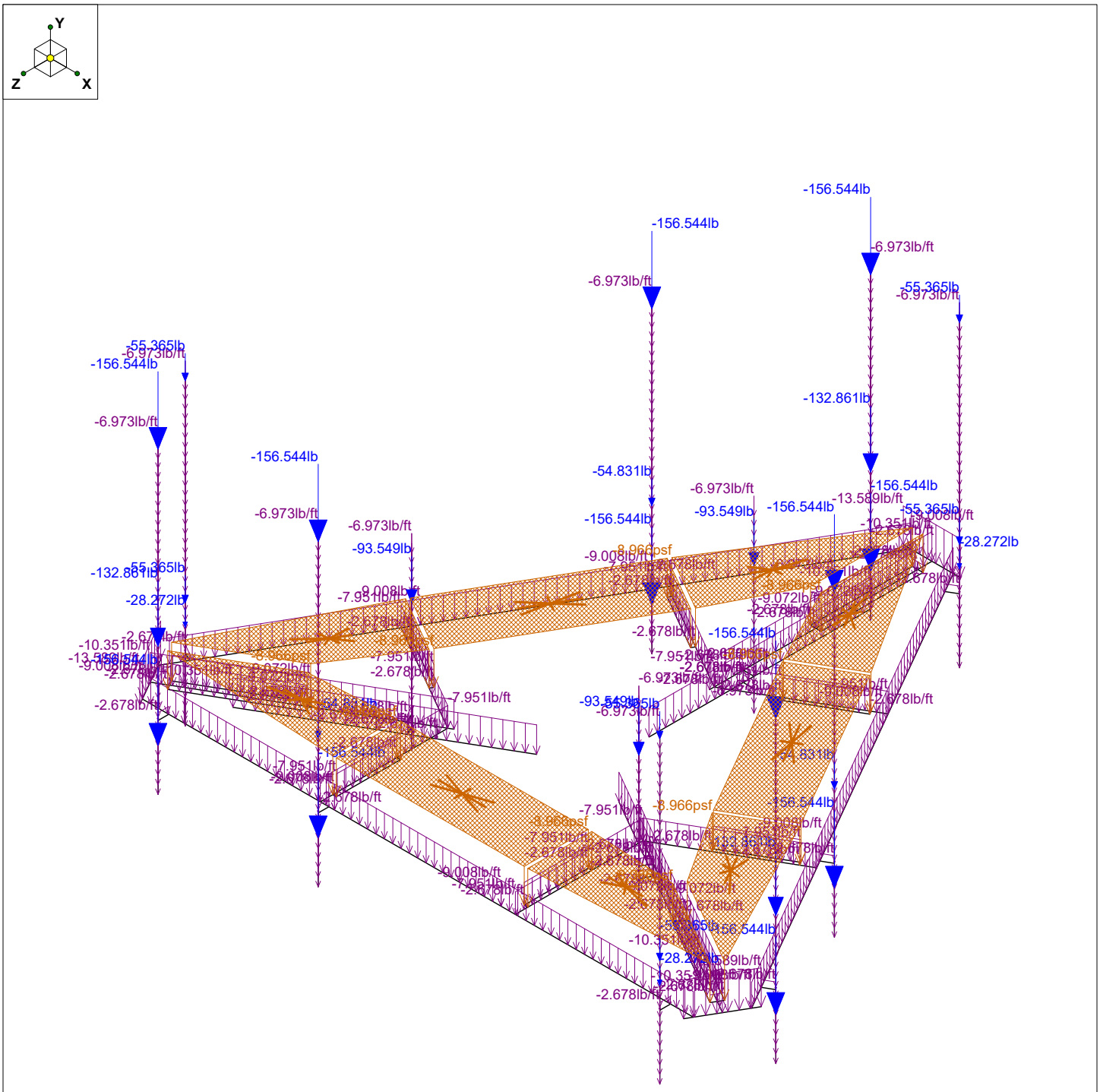
Loads: BLC 14, Distr. Wind Load Z

Infinigy Engineering, PLLC	CTL01064 Windham CTR CT	Wind Dist 000
DWS		Sept 11, 2019 at 11:07 AM
1106-A0001-B		CTL01064 Windham CTR CT_load...



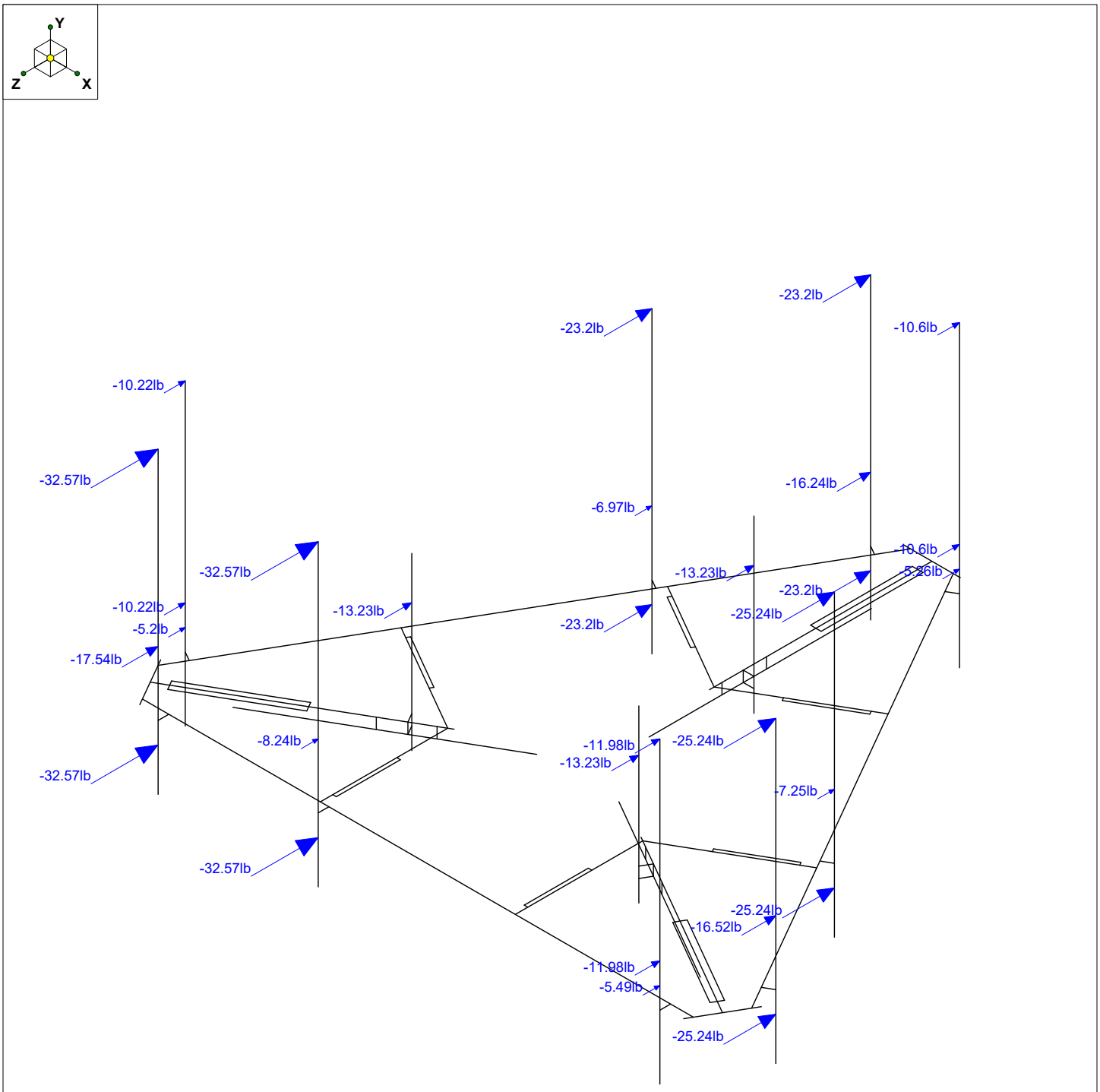
Loads: BLC 15, Distr. Wind Load X

Infinigy Engineering, PLLC	CTL01064 Windham CTR CT	Wind Dist 090
DWS		Sept 11, 2019 at 11:08 AM
1106-A0001-B		CTL01064 Windham CTR CT_load...



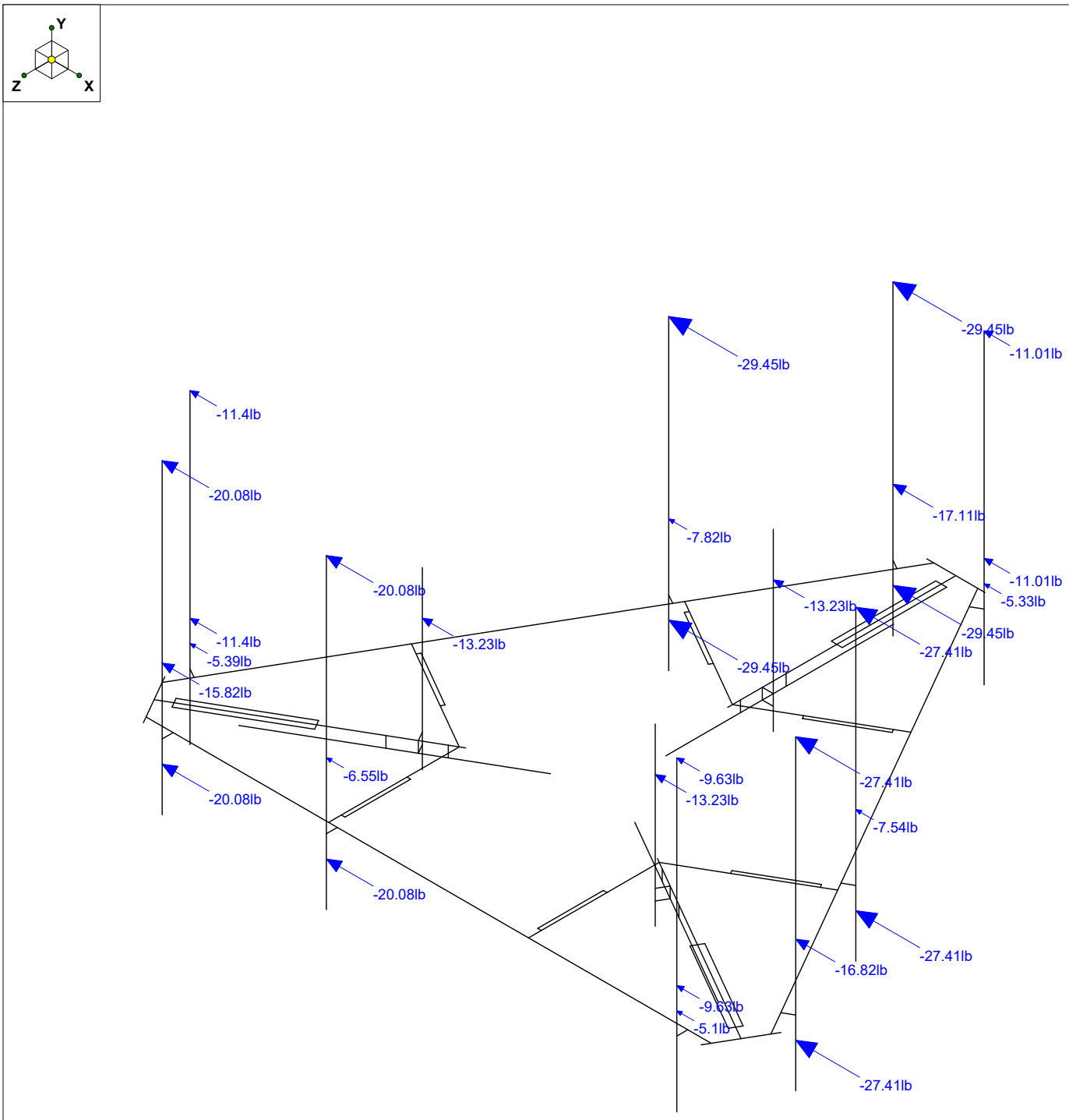
Loads: BLC 16, Ice Weight

Infinigy Engineering, PLLC	CTL01064 Windham CTR CT	Ice Weight
DWS		Sept 11, 2019 at 11:08 AM
1106-A0001-B		CTL01064 Windham CTR CT_load...



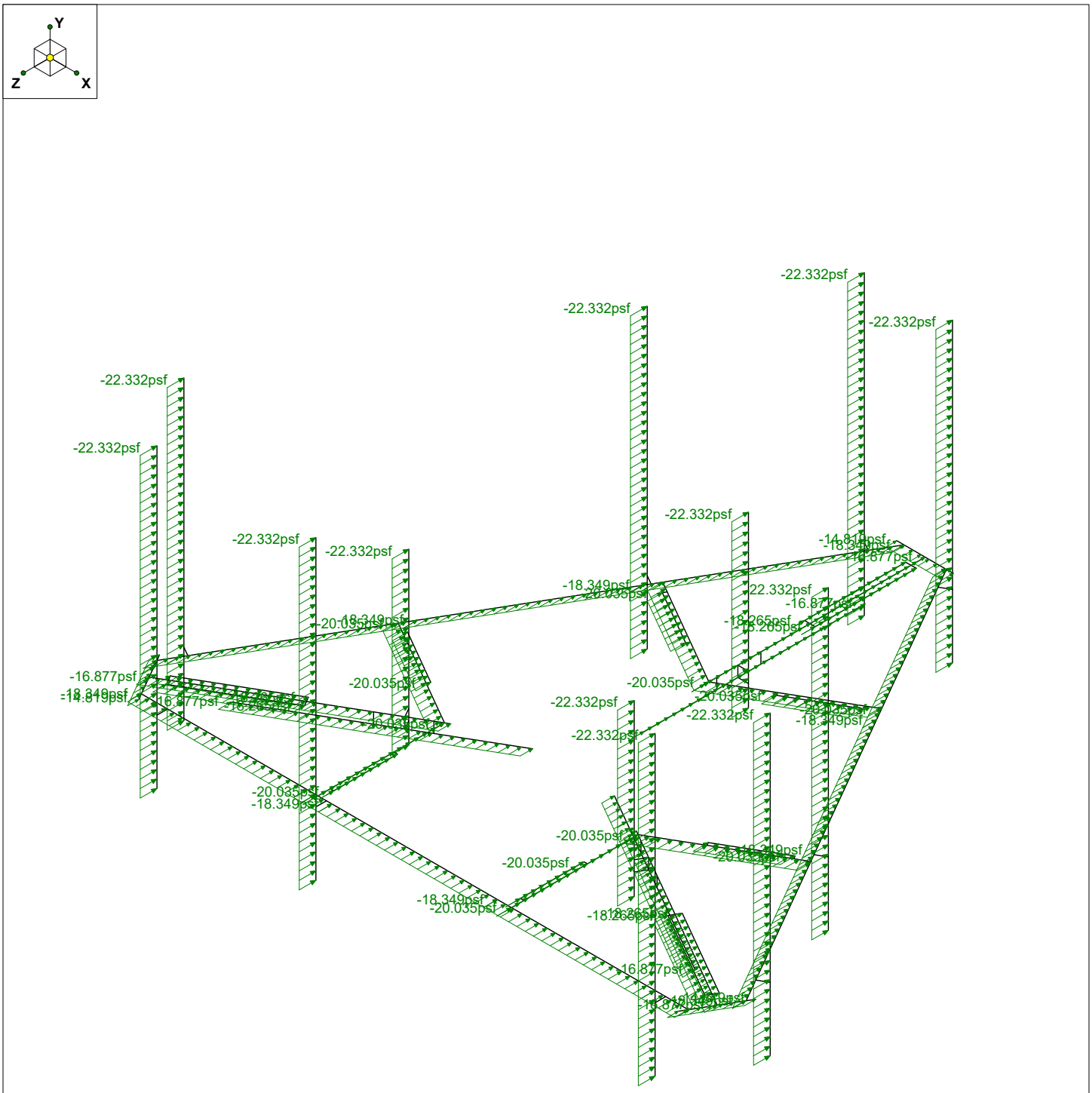
Loads: BLC 17, Ice Wind Load AZI 0

Infinigy Engineering, PLLC	CTL01064 Windham CTR CT	Wind + Ice Load 000
DWS		Sept 11, 2019 at 11:09 AM
1106-A0001-B		CTL01064 Windham CTR CT_load...



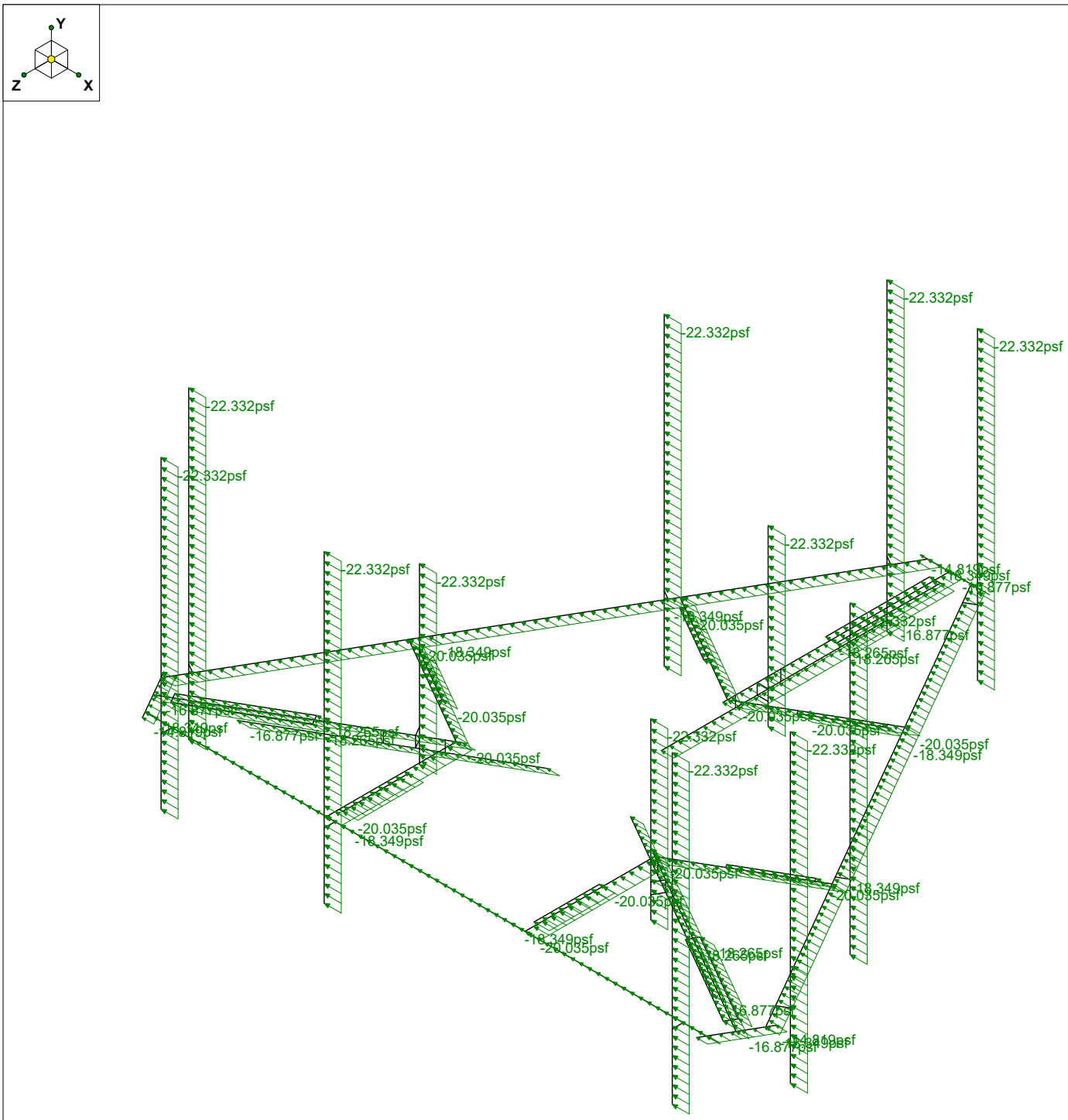
Loads: BLC 20, Ice Wind Load AZI 90

Infinigy Engineering, PLLC	CTL01064 Windham CTR CT	Wind + Ice Load 090
DWS		Sept 11, 2019 at 11:09 AM
1106-A0001-B		CTL01064 Windham CTR CT_load...



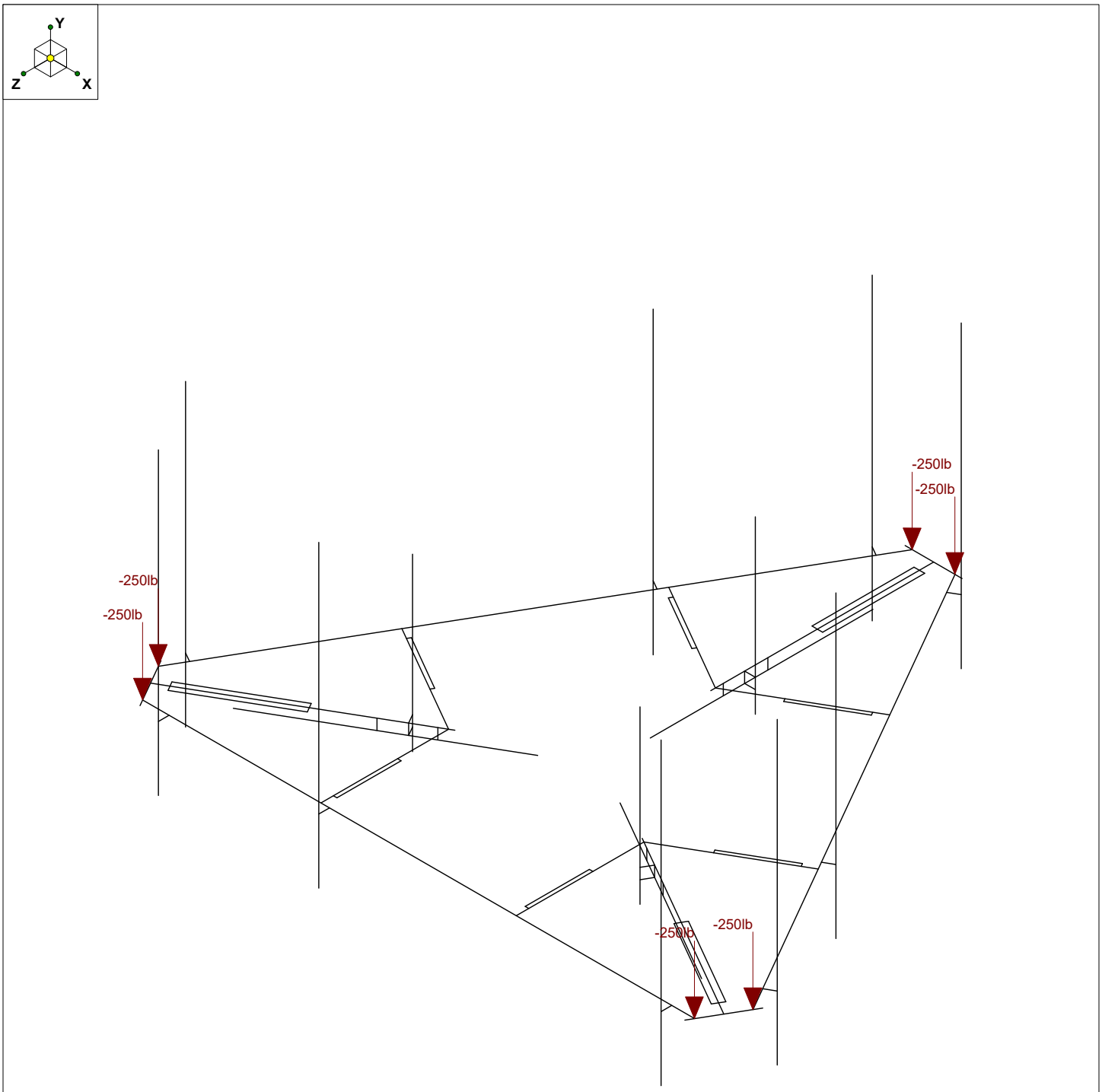
Loads: BLC 29, Distr. Ice Wind Load Z

Infinigy Engineering, PLLC	CTL01064 Windham CTR CT	Wind + Ice Dist 000
DWS		Sept 11, 2019 at 11:09 AM
1106-A0001-B		CTL01064 Windham CTR CT_load...



Loads: BLC 30, Distr. Ice Wind Load X

Infinigy Engineering, PLLC	CTL01064 Windham CTR CT	Wind + Ice Dist 090
DWS		Sept 11, 2019 at 11:10 AM
1106-A0001-B		CTL01064 Windham CTR CT_load...



Loads: BLC 33, Service Live Loads

Infinigy Engineering, PLLC	CTL01064 Windham CTR CT	Service Live
DWS		Sept 11, 2019 at 11:10 AM
1106-A0001-B		CTL01064 Windham CTR CT_load...

Program Inputs

Project Information		
Client:	Smartlink	
Carrier:	AT&T Mobility	
Engineer:	DS	

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Infinigy Wind Load Calculator V1.2.0

Code Standards		
Building Code:	2015 IBC	
TIA Standard:	TIA-222-H	
ASCE Standard:	ASCE 7-10	

Mount Information		
Mount Type:	Platform	
Num Sectors:	3	
Centerline AGL:	147.0	ft
Roof Height AGL:	0.0	ft

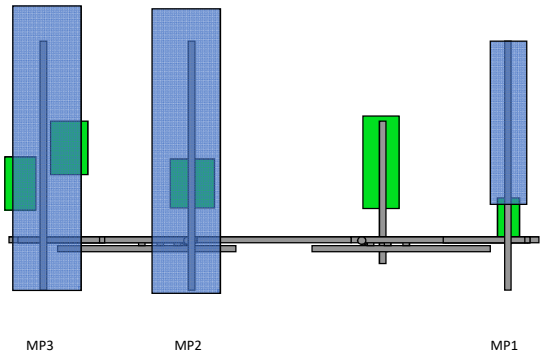
Site Information		
Risk Category:	II	
Exposure Category:	C	
Topo Category:	1	
Site Class:	D - Stiff Soil	
Ground Elevation:	205	ft

Wind and Ice Data		
Ultimate Wind:	129	mph
Basic Wind:	100	mph
Ice Wind:	50	mph
Ice Thickness:	1.275	in

Topographic Data		
Topo Feature:	N/A	
Crest Height:	N/A	ft
Slope Distance:	N/A	ft
Crest Distance:	N/A	ft

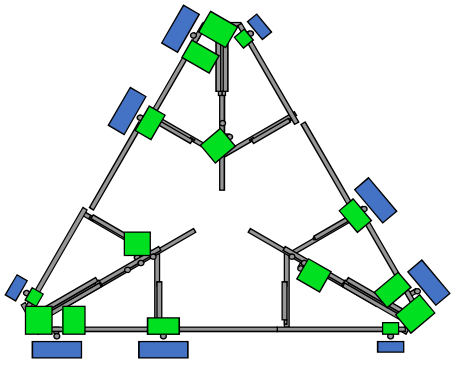
Seismic Data		
S_s:	0.17	g
S_1:	0.06	g
a_p:	1.0	
R_p:	2.50	
Ω_o:	1.0	
S_{DS}:	0.18	
S_{D1}:	0.10	
F_a:	1.60	
F_v:	2.40	

Elevation View



*Alpha Sector Only, Facing Tower

Plan View



*Alpha Sector at Bottom

Appurtenance Information**

Appurtenance Name	Elevation	Qty.	q_z (psf)	EPA_N (ft^2)	EPA_T (ft^2)	Wind F_z (lbs)	Wind F_x (lbs)	Weight (lbs)	Seismic F (lbs)	Member (α sector)
WERWAVE TECHNOLOGIES 7770.	147.0	3	55.14	5.51	2.93	273.35	145.31	35.00	3.23	MP1
WAVE TECHNOLOGIES TT08-19DE	147.0	3	55.14	0.79	0.64	39.34	31.86	22.00	2.03	MP1
CCI ANTENNAS DMP65R-BU8D	147.0	3	55.14	17.87	8.12	886.83	403.06	95.70	8.83	MP2
CCI ANTENNAS DMP65R-BU8D	147.0	3	55.14	17.87	8.12	886.83	403.06	95.70	8.83	MP3
ERICSSON 4478 B14	147.0	3	55.14	1.84	1.06	91.43	52.54	59.90	5.53	MP2
ERICSSON 4449 B5/B12	147.0	3	55.14	1.98	1.41	98.26	69.97	70.00	6.46	MP3
ERICSSON 8843 B2/B66A	147.0	3	55.14	1.98	1.70	98.26	84.11	75.00	6.92	MP3
RAYCAP DC6 SQUID	147.0	3	55.14	2.90	2.90	143.95	143.95	32.80	3.03	RP1

**Dish calculations differ from those in display

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	GS101	N163	N164		90	Angle 1.5"x2.5"	None	None	A36 Gr.36	Typical
2	GS102	N166	N165		90	Angle 1.5"x2.5"	None	None	A36 Gr.36	Typical
3	GS111	N172	N173		90	Angle 1.5"x2.5"	None	None	A36 Gr.36	Typical
4	GS112	N175	N174		90	Angle 1.5"x2.5"	None	None	A36 Gr.36	Typical
5	GS113	N181	N182		90	Angle 1.5"x2.5"	None	None	A36 Gr.36	Typical
6	GS114	N184	N183		90	Angle 1.5"x2.5"	None	None	A36 Gr.36	Typical
7	GS127	N191	N190		90	Angle 2.5"x2.5"	None	None	A36 Gr.36	Typical
8	GS128	N189	N188		180	Angle 2.5"x2.5"	None	None	A36 Gr.36	Typical
9	GS129	N198	N197		90	Angle 2.5"x2.5"	None	None	A36 Gr.36	Typical
10	GS130	N196	N195		180	Angle 2.5"x2.5"	None	None	A36 Gr.36	Typical
11	GS131	N205	N204		90	Angle 2.5"x2.5"	None	None	A36 Gr.36	Typical
12	GS132	N203	N202		180	Angle 2.5"x2.5"	None	None	A36 Gr.36	Typical
13	H1	N13	N20A			Horizontal	None	None	A53 Gr.B	Typical
14	H2	N20A	N21			Horizontal	None	None	A53 Gr.B	Typical
15	H3	N21	N20			Horizontal	None	None	A53 Gr.B	Typical
16	H4	N19	N25			Horizontal	None	None	A53 Gr.B	Typical
17	H5	N25	N26			Horizontal	None	None	A53 Gr.B	Typical
18	H6	N26	N8			Horizontal	None	None	A53 Gr.B	Typical
19	H7	N7	N30			Horizontal	None	None	A53 Gr.B	Typical
20	H8	N30	N31			Horizontal	None	None	A53 Gr.B	Typical
21	H9	N31	N14			Horizontal	None	None	A53 Gr.B	Typical
22	HP28	N5	N6			Plate 5/8"	None	None	A36 Gr.36	Typical
23	HP29	N11	N12			Plate 5/8"	None	None	A36 Gr.36	Typical
24	HP30	N17	N18			Plate 5/8"	None	None	A36 Gr.36	Typical
25	MP1	N76	N79			Mount Pipe	None	None	A53 Gr.B	Typical
26	MP2	N75	N78			Mount Pipe	None	None	A53 Gr.B	Typical
27	MP3	N74	N77			Mount Pipe	None	None	A53 Gr.B	Typical
28	R47	N68	N62			RIGID	None	None	RIGID	Typical
29	R49	N70	N64			RIGID	None	None	RIGID	Typical
30	R51	N72	N66			RIGID	None	None	RIGID	Typical
31	R75	N121	N124			RIGID	None	None	RIGID	Typical
32	R76	N120	N123			RIGID	None	None	RIGID	Typical
33	R77	N119	N122			RIGID	None	None	RIGID	Typical
34	R81	N138	N141			RIGID	None	None	RIGID	Typical
35	R82	N137	N140			RIGID	None	None	RIGID	Typical
36	R83	N136A	N139			RIGID	None	None	RIGID	Typical
37	R84	N145	N148			RIGID	None	None	RIGID	Typical
38	R85	N144	N147A			RIGID	None	None	RIGID	Typical
39	R86	N143A	N146			RIGID	None	None	RIGID	Typical
40	R97	N159B	N163			RIGID	None	None	RIGID	Typical
41	R98	N161A	N164			RIGID	None	None	RIGID	Typical
42	R99	N165	N160A			RIGID	None	None	RIGID	Typical
43	R100	N166	N162			RIGID	None	None	RIGID	Typical
44	R103	N168	N172			RIGID	None	None	RIGID	Typical
45	R104	N170	N173			RIGID	None	None	RIGID	Typical
46	R105	N174	N169			RIGID	None	None	RIGID	Typical
47	R106	N175	N171			RIGID	None	None	RIGID	Typical
48	R107	N177	N181			RIGID	None	None	RIGID	Typical
49	R108	N179	N182			RIGID	None	None	RIGID	Typical
50	R109	N183	N178			RIGID	None	None	RIGID	Typical
51	R110	N184	N180			RIGID	None	None	RIGID	Typical
52	R115	N189	N185A			RIGID	None	None	RIGID	Typical
53	R116	N185A	N191			RIGID	None	None	RIGID	Typical
54	R117	N188	N158A			RIGID	None	None	RIGID	Typical
55	R118	N158A	N190			RIGID	None	None	RIGID	Typical
56	R119	N196	N187			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	R120	N187	N198			RIGID	None	None	RIGID	Typical
58	R121	N195	N187A			RIGID	None	None	RIGID	Typical
59	R122	N187A	N197			RIGID	None	None	RIGID	Typical
60	R123	N203	N185			RIGID	None	None	RIGID	Typical
61	R124	N185	N205			RIGID	None	None	RIGID	Typical
62	R125	N202	N192			RIGID	None	None	RIGID	Typical
63	R126	N192	N204			RIGID	None	None	RIGID	Typical
64	S82	N4	N136			HSS	None	None	A53 Gr.B	Typical
65	S83	N135A	N134A			HSS	None	None	A53 Gr.B	Typical
66	S87	N10	N151			HSS	None	None	A53 Gr.B	Typical
67	S88	N150	N149			HSS	None	None	A53 Gr.B	Typical
68	S89	N16	N156			HSS	None	None	A53 Gr.B	Typical
69	S90	N155	N154			HSS	None	None	A53 Gr.B	Typical
70	SB91	N146A	N147		90	Angle 1.5"x2.5"	None	None	A36 Gr.36	Typical
71	SB92	N144A	N143		90	Angle 1.5"x2.5"	None	None	A36 Gr.36	Typical
72	SB93	N156B	N157A		90	Angle 1.5"x2.5"	None	None	A36 Gr.36	Typical
73	SB94	N147	N154A		90	Angle 1.5"x2.5"	None	None	A36 Gr.36	Typical
74	SB95	N161	N144A		90	Angle 1.5"x2.5"	None	None	A36 Gr.36	Typical
75	SB96	N157A	N159A		90	Angle 1.5"x2.5"	None	None	A36 Gr.36	Typical
76	MP7	N128	N131			Mount Pipe	None	None	A53 Gr.B	Typical
77	MP8	N127	N130			Mount Pipe	None	None	A53 Gr.B	Typical
78	MP9	N126	N129			Mount Pipe	None	None	A53 Gr.B	Typical
79	R79	N123A	N120A			RIGID	None	None	RIGID	Typical
80	R80	N124A	N121A			RIGID	None	None	RIGID	Typical
81	R81A	N125	N122A			RIGID	None	None	RIGID	Typical
82	MP4	N141A	N144B			Mount Pipe	None	None	A53 Gr.B	Typical
83	MP5	N140A	N143B			Mount Pipe	None	None	A53 Gr.B	Typical
84	MP6	N139A	N142			Mount Pipe	None	None	A53 Gr.B	Typical
85	R85A	N136B	N133			RIGID	None	None	RIGID	Typical
86	R86A	N137A	N134			RIGID	None	None	RIGID	Typical
87	R87	N138A	N135			RIGID	None	None	RIGID	Typical
88	RP3	N146B	N145A			Mount Pipe	None	None	A53 Gr.B	Typical
89	R89	N123	N144C			RIGID	None	None	RIGID	Typical
90	R90	N120	N143C			RIGID	None	None	RIGID	Typical
91	RP1	N153	N152			Mount Pipe	None	None	A53 Gr.B	Typical
92	R92	N140	N151A			RIGID	None	None	RIGID	Typical
93	R93	N137	N150A			RIGID	None	None	RIGID	Typical
94	RP2	N160	N159			Mount Pipe	None	None	A53 Gr.B	Typical
95	R95	N147A	N158			RIGID	None	None	RIGID	Typical
96	R96	N144	N157			RIGID	None	None	RIGID	Typical

Material Takeoff

	Material	Size	Pieces	Length[in]	Weight[LB]
1	General				
2	RIGID		48	102	0
3	Total General		48	102	0
4					
5	Hot Rolled Steel				
6	A36 Gr.36	6"x5/8"	3	48	51.042
7	A36 Gr.36	L1.5x2.5x4	12	322.8	85.807
8	A36 Gr.36	L2.5x2.5x4	6	171.6	57.921
9	A53 Gr.B	HSS3X3X4	6	375	259.462
10	A53 Gr.B	PIPE_2.0	12	900	260.313
11	A53 Gr.B	PIPE_3.0	9	464.4	272.6
12	Total HR Steel		48	2281.8	987.144

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(...
1	Self Weight	DL		-1			33		9	
2	Wind Load AZI 0	WLZ					66			
3	Wind Load AZI 30	None					66			
4	Wind Load AZI 60	None					66			
5	Wind Load AZI 90	WLX					66			
6	Wind Load AZI 120	None					66			
7	Wind Load AZI 150	None					66			
8	Wind Load AZI 180	None					66			
9	Wind Load AZI 210	None					66			
10	Wind Load AZI 240	None					66			
11	Wind Load AZI 270	None					66			
12	Wind Load AZI 300	None					66			
13	Wind Load AZI 330	None					66			
14	Distr. Wind Load Z	WLZ						96		
15	Distr. Wind Load X	WLX						96		
16	Ice Weight	OL1					33	96	9	
17	Ice Wind Load AZI 0	OL2					66			
18	Ice Wind Load AZI 30	None					66			
19	Ice Wind Load AZI 60	None					66			
20	Ice Wind Load AZI 90	OL3					66			
21	Ice Wind Load AZI 120	None					66			
22	Ice Wind Load AZI 150	None					66			
23	Ice Wind Load AZI 180	None					66			
24	Ice Wind Load AZI 210	None					66			
25	Ice Wind Load AZI 240	None					66			
26	Ice Wind Load AZI 270	None					66			
27	Ice Wind Load AZI 300	None					66			
28	Ice Wind Load AZI 330	None					66			
29	Distr. Ice Wind Load Z	OL2						96		
30	Distr. Ice Wind Load X	OL3						96		
31	Seismic Load Z	ELZ			-.092		33			
32	Seismic Load X	ELX	-.092				33			
33	Service Live Loads	LL				6				
34	Maintenance Load 1	LL				1				
35	Maintenance Load 2	LL				1				
36	Maintenance Load 3	LL				1				
37	Maintenance Load 4	LL				1				
38	Maintenance Load 5	LL				1				
39	Maintenance Load 6	LL				1				
40	Maintenance Load 7	LL				1				
41	Maintenance Load 8	LL				1				
42	Maintenance Load 9	LL				1				
43	BLC 1 Transient Area Loads	None						48		
44	BLC 16 Transient Area Loa...	None						48		

Load Combinations

	Description	S...	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	1.4DL	Yes	Y		1	1.4																		
2	1.2DL + 1WL AZI 0	Yes	Y		1	1.2	2	1	14	1	15													
3	1.2DL + 1WL AZI 30	Yes	Y		1	1.2	3	1	14	.866	15	.5												
4	1.2DL + 1WL AZI 60	Yes	Y		1	1.2	4	1	14	.5	15	.866												
5	1.2DL + 1WL AZI 90	Yes	Y		1	1.2	5	1	14		15	1												
6	1.2DL + 1WL AZI 120	Yes	Y		1	1.2	6	1	14	-.5	15	.866												
7	1.2DL + 1WL AZI 150	Yes	Y		1	1.2	7	1	14	-.8...	15	.5												

Load Combinations (Continued)

	Description	S...	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
8	1.2DL + 1WL AZI 180	Yes	Y		1	1.2	8	1	14	-1	15													
9	1.2DL + 1WL AZI 210	Yes	Y		1	1.2	9	1	14	-.8...	15	-.5												
10	1.2DL + 1WL AZI 240	Yes	Y		1	1.2	10	1	14	-.5	15	-.8...												
11	1.2DL + 1WL AZI 270	Yes	Y		1	1.2	11	1	14		15	-1												
12	1.2DL + 1WL AZI 300	Yes	Y		1	1.2	12	1	14	.5	15	-.8...												
13	1.2DL + 1WL AZI 330	Yes	Y		1	1.2	13	1	14	.866	15	-.5												
14	0.9DL + 1WL AZI 0	Yes	Y		1	.9	2	1	14	1	15													
15	0.9DL + 1WL AZI 30	Yes	Y		1	.9	3	1	14	.866	15	.5												
16	0.9DL + 1WL AZI 60	Yes	Y		1	.9	4	1	14	.5	15	.866												
17	0.9DL + 1WL AZI 90	Yes	Y		1	.9	5	1	14		15	1												
18	0.9DL + 1WL AZI 120	Yes	Y		1	.9	6	1	14	-.5	15	.866												
19	0.9DL + 1WL AZI 150	Yes	Y		1	.9	7	1	14	-.8...	15	.5												
20	0.9DL + 1WL AZI 180	Yes	Y		1	.9	8	1	14	-1	15													
21	0.9DL + 1WL AZI 210	Yes	Y		1	.9	9	1	14	-.8...	15	-.5												
22	0.9DL + 1WL AZI 240	Yes	Y		1	.9	10	1	14	-.5	15	-.8...												
23	0.9DL + 1WL AZI 270	Yes	Y		1	.9	11	1	14		15	-1												
24	0.9DL + 1WL AZI 300	Yes	Y		1	.9	12	1	14	.5	15	-.8...												
25	0.9DL + 1WL AZI 330	Yes	Y		1	.9	13	1	14	.866	15	-.5												
26	1.2D + 1.0Di	Yes	Y		1	1.2	16	1																
27	1.2D + 1.0Di +1.0Wi AZI 0	Yes	Y		1	1.2	16	1	17	1	29	1	30											
28	1.2D + 1.0Di +1.0Wi AZI 30	Yes	Y		1	1.2	16	1	18	1	29	.866	30	.5										
29	1.2D + 1.0Di +1.0Wi AZI 60	Yes	Y		1	1.2	16	1	19	1	29	.5	30	.866										
30	1.2D + 1.0Di +1.0Wi AZI 90	Yes	Y		1	1.2	16	1	20	1	29		30	1										
31	1.2D + 1.0Di +1.0Wi AZI 120	Yes	Y		1	1.2	16	1	21	1	29	-.5	30	.866										
32	1.2D + 1.0Di +1.0Wi AZI 150	Yes	Y		1	1.2	16	1	22	1	29	-.8...	30	.5										
33	1.2D + 1.0Di +1.0Wi AZI 180	Yes	Y		1	1.2	16	1	23	1	29	-1	30											
34	1.2D + 1.0Di +1.0Wi AZI 210	Yes	Y		1	1.2	16	1	24	1	29	-.8...	30	-.5										
35	1.2D + 1.0Di +1.0Wi AZI 240	Yes	Y		1	1.2	16	1	25	1	29	-.5	30	-.8...										
36	1.2D + 1.0Di +1.0Wi AZI 270	Yes	Y		1	1.2	16	1	26	1	29		30	-1										
37	1.2D + 1.0Di +1.0Wi AZI 300	Yes	Y		1	1.2	16	1	27	1	29	.5	30	-.8...										
38	1.2D + 1.0Di +1.0Wi AZI 330	Yes	Y		1	1.2	16	1	28	1	29	.866	30	-.5										
39	(1.2 + 0.2Sds)DL + 1.0E AZI 0	Yes	Y		1	1.2...	31	1	32															
40	(1.2 + 0.2Sds)DL + 1.0E AZI 30	Yes	Y		1	1.2...	31	.866	32	.5														
41	(1.2 + 0.2Sds)DL + 1.0E AZI 60	Yes	Y		1	1.2...	31	.5	32	.866														
42	(1.2 + 0.2Sds)DL + 1.0E AZI 90	Yes	Y		1	1.2...	31		32	1														
43	(1.2 + 0.2Sds)DL + 1.0E AZI 1...	Yes	Y		1	1.2...	31	-.5	32	.866														
44	(1.2 + 0.2Sds)DL + 1.0E AZI 1...	Yes	Y		1	1.2...	31	-.8...	32	.5														
45	(1.2 + 0.2Sds)DL + 1.0E AZI 1...	Yes	Y		1	1.2...	31	-1	32															
46	(1.2 + 0.2Sds)DL + 1.0E AZI 2...	Yes	Y		1	1.2...	31	-.8...	32	-.5														
47	(1.2 + 0.2Sds)DL + 1.0E AZI 2...	Yes	Y		1	1.2...	31	-.5	32	-.8...														
48	(1.2 + 0.2Sds)DL + 1.0E AZI 2...	Yes	Y		1	1.2...	31		32	-1														
49	(1.2 + 0.2Sds)DL + 1.0E AZI 3...	Yes	Y		1	1.2...	31	.5	32	-.8...														
50	(1.2 + 0.2Sds)DL + 1.0E AZI 3...	Yes	Y		1	1.2...	31	.866	32	-.5														
51	(0.9 - 0.2Sds)DL + 1.0E AZI 0	Yes	Y		1	.863	31	1	32															
52	(0.9 - 0.2Sds)DL + 1.0E AZI 30	Yes	Y		1	.863	31	.866	32	.5														
53	(0.9 - 0.2Sds)DL + 1.0E AZI 60	Yes	Y		1	.863	31	.5	32	.866														
54	(0.9 - 0.2Sds)DL + 1.0E AZI 90	Yes	Y		1	.863	31		32	1														
55	(0.9 - 0.2Sds)DL + 1.0E AZI 120	Yes	Y		1	.863	31	-.5	32	.866														
56	(0.9 - 0.2Sds)DL + 1.0E AZI 150	Yes	Y		1	.863	31	-.8...	32	.5														
57	(0.9 - 0.2Sds)DL + 1.0E AZI 180	Yes	Y		1	.863	31	-1	32															
58	(0.9 - 0.2Sds)DL + 1.0E AZI 210	Yes	Y		1	.863	31	-.8...	32	-.5														
59	(0.9 - 0.2Sds)DL + 1.0E AZI 240	Yes	Y		1	.863	31	-.5	32	-.8...														
60	(0.9 - 0.2Sds)DL + 1.0E AZI 270	Yes	Y		1	.863	31		32	-1														
61	(0.9 - 0.2Sds)DL + 1.0E AZI 300	Yes	Y		1	.863	31	.5	32	-.8...														
62	(0.9 - 0.2Sds)DL + 1.0E AZI 330	Yes	Y		1	.863	31	.866	32	-.5														
63	1.0DL + 1.5LL + 1.0SWL (60 ...	Yes	Y		1	1	2	.216	14	.216	15		33	1.5										
64	1.0DL + 1.5LL + 1.0SWL (60 ...	Yes	Y		1	1	3	.216	14	.187	15	.108	33	1.5										

Load Combinations (Continued)

	Description	S...	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
65	1.0DL + 1.5LL + 1.0SWL (60 ...	Yes	Y		1	1	4	.216	14	.108	15	.187	33	1.5										
66	1.0DL + 1.5LL + 1.0SWL (60 ...	Yes	Y		1	1	5	.216	14		15	.216	33	1.5										
67	1.0DL + 1.5LL + 1.0SWL (60 ...	Yes	Y		1	1	6	.216	14	-.1...	15	.187	33	1.5										
68	1.0DL + 1.5LL + 1.0SWL (60 ...	Yes	Y		1	1	7	.216	14	-.1...	15	.108	33	1.5										
69	1.0DL + 1.5LL + 1.0SWL (60 ...	Yes	Y		1	1	8	.216	14	-.2...	15		33	1.5										
70	1.0DL + 1.5LL + 1.0SWL (60 ...	Yes	Y		1	1	9	.216	14	-.1...	15	-.1...	33	1.5										
71	1.0DL + 1.5LL + 1.0SWL (60 ...	Yes	Y		1	1	10	.216	14	-.1...	15	-.1...	33	1.5										
72	1.0DL + 1.5LL + 1.0SWL (60 ...	Yes	Y		1	1	11	.216	14		15	-.2...	33	1.5										
73	1.0DL + 1.5LL + 1.0SWL (60 ...	Yes	Y		1	1	12	.216	14	.108	15	-.1...	33	1.5										
74	1.0DL + 1.5LL + 1.0SWL (60 ...	Yes	Y		1	1	13	.216	14	.187	15	-.1...	33	1.5										
75	1.2DL + 1.5LL	Yes	Y		1	1.2	33	1.5																
76	1.2DL + 1.5LM-MP1 + 1SWL (...	Yes	Y		1	1.2	34	1.5	2	.054	14	.054	15											
77	1.2DL + 1.5LM-MP1 + 1SWL (...	Yes	Y		1	1.2	34	1.5	3	.054	14	.047	15	.027										
78	1.2DL + 1.5LM-MP1 + 1SWL (...	Yes	Y		1	1.2	34	1.5	4	.054	14	.027	15	.047										
79	1.2DL + 1.5LM-MP1 + 1SWL (...	Yes	Y		1	1.2	34	1.5	5	.054	14		15	.054										
80	1.2DL + 1.5LM-MP1 + 1SWL (...	Yes	Y		1	1.2	34	1.5	6	.054	14	-.0...	15	.047										
81	1.2DL + 1.5LM-MP1 + 1SWL (...	Yes	Y		1	1.2	34	1.5	7	.054	14	-.0...	15	.027										
82	1.2DL + 1.5LM-MP1 + 1SWL (...	Yes	Y		1	1.2	34	1.5	8	.054	14	-.0...	15											
83	1.2DL + 1.5LM-MP1 + 1SWL (...	Yes	Y		1	1.2	34	1.5	9	.054	14	-.0...	15	-.0...										
84	1.2DL + 1.5LM-MP1 + 1SWL (...	Yes	Y		1	1.2	34	1.5	10	.054	14	-.0...	15	-.0...										
85	1.2DL + 1.5LM-MP1 + 1SWL (...	Yes	Y		1	1.2	34	1.5	11	.054	14		15	-.0...										
86	1.2DL + 1.5LM-MP1 + 1SWL (...	Yes	Y		1	1.2	34	1.5	12	.054	14	.027	15	-.0...										
87	1.2DL + 1.5LM-MP1 + 1SWL (...	Yes	Y		1	1.2	34	1.5	13	.054	14	.047	15	-.0...										
88	1.2DL + 1.5LM-MP2 + 1SWL (...	Yes	Y		1	1.2	35	1.5	2	.054	14	.054	15											
89	1.2DL + 1.5LM-MP2 + 1SWL (...	Yes	Y		1	1.2	35	1.5	3	.054	14	.047	15	.027										
90	1.2DL + 1.5LM-MP2 + 1SWL (...	Yes	Y		1	1.2	35	1.5	4	.054	14	.027	15	.047										
91	1.2DL + 1.5LM-MP2 + 1SWL (...	Yes	Y		1	1.2	35	1.5	5	.054	14		15	.054										
92	1.2DL + 1.5LM-MP2 + 1SWL (...	Yes	Y		1	1.2	35	1.5	6	.054	14	-.0...	15	.047										
93	1.2DL + 1.5LM-MP2 + 1SWL (...	Yes	Y		1	1.2	35	1.5	7	.054	14	-.0...	15	.027										
94	1.2DL + 1.5LM-MP2 + 1SWL (...	Yes	Y		1	1.2	35	1.5	8	.054	14	-.0...	15											
95	1.2DL + 1.5LM-MP2 + 1SWL (...	Yes	Y		1	1.2	35	1.5	9	.054	14	-.0...	15	-.0...										
96	1.2DL + 1.5LM-MP2 + 1SWL (...	Yes	Y		1	1.2	35	1.5	10	.054	14	-.0...	15	-.0...										
97	1.2DL + 1.5LM-MP2 + 1SWL (...	Yes	Y		1	1.2	35	1.5	11	.054	14		15	-.0...										
98	1.2DL + 1.5LM-MP2 + 1SWL (...	Yes	Y		1	1.2	35	1.5	12	.054	14	.027	15	-.0...										
99	1.2DL + 1.5LM-MP2 + 1SWL (...	Yes	Y		1	1.2	35	1.5	13	.054	14	.047	15	-.0...										
100	1.2DL + 1.5LM-MP3 + 1SWL (...	Yes	Y		1	1.2	36	1.5	2	.054	14	.054	15											
101	1.2DL + 1.5LM-MP3 + 1SWL (...	Yes	Y		1	1.2	36	1.5	3	.054	14	.047	15	.027										
102	1.2DL + 1.5LM-MP3 + 1SWL (...	Yes	Y		1	1.2	36	1.5	4	.054	14	.027	15	.047										
103	1.2DL + 1.5LM-MP3 + 1SWL (...	Yes	Y		1	1.2	36	1.5	5	.054	14		15	.054										
104	1.2DL + 1.5LM-MP3 + 1SWL (...	Yes	Y		1	1.2	36	1.5	6	.054	14	-.0...	15	.047										
105	1.2DL + 1.5LM-MP3 + 1SWL (...	Yes	Y		1	1.2	36	1.5	7	.054	14	-.0...	15	.027										
106	1.2DL + 1.5LM-MP3 + 1SWL (...	Yes	Y		1	1.2	36	1.5	8	.054	14	-.0...	15											
107	1.2DL + 1.5LM-MP3 + 1SWL (...	Yes	Y		1	1.2	36	1.5	9	.054	14	-.0...	15	-.0...										
108	1.2DL + 1.5LM-MP3 + 1SWL (...	Yes	Y		1	1.2	36	1.5	10	.054	14	-.0...	15	-.0...										
109	1.2DL + 1.5LM-MP3 + 1SWL (...	Yes	Y		1	1.2	36	1.5	11	.054	14		15	-.0...										
110	1.2DL + 1.5LM-MP3 + 1SWL (...	Yes	Y		1	1.2	36	1.5	12	.054	14	.027	15	-.0...										
111	1.2DL + 1.5LM-MP3 + 1SWL (...	Yes	Y		1	1.2	36	1.5	13	.054	14	.047	15	-.0...										
112	1.2DL + 1.5LM-MP4 + 1SWL (...	Yes	Y		1	1.2	37	1.5	2	.054	14	.054	15											
113	1.2DL + 1.5LM-MP4 + 1SWL (...	Yes	Y		1	1.2	37	1.5	3	.054	14	.047	15	.027										
114	1.2DL + 1.5LM-MP4 + 1SWL (...	Yes	Y		1	1.2	37	1.5	4	.054	14	.027	15	.047										
115	1.2DL + 1.5LM-MP4 + 1SWL (...	Yes	Y		1	1.2	37	1.5	5	.054	14		15	.054										
116	1.2DL + 1.5LM-MP4 + 1SWL (...	Yes	Y		1	1.2	37	1.5	6	.054	14	-.0...	15	.047										
117	1.2DL + 1.5LM-MP4 + 1SWL (...	Yes	Y		1	1.2	37	1.5	7	.054	14	-.0...	15	.027										
118	1.2DL + 1.5LM-MP4 + 1SWL (...	Yes	Y		1	1.2	37	1.5	8	.054	14	-.0...	15											
119	1.2DL + 1.5LM-MP4 + 1SWL (...	Yes	Y		1	1.2	37	1.5	9	.054	14	-.0...	15	-.0...										
120	1.2DL + 1.5LM-MP4 + 1SWL (...	Yes	Y		1	1.2	37	1.5	10	.054	14	-.0...	15	-.0...										
121	1.2DL + 1.5LM-MP4 + 1SWL (...	Yes	Y		1	1.2	37	1.5	11	.054	14		15	-.0...										

Load Combinations (Continued)

	Description	S...	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
122	1.2DL + 1.5LM-MP4 + 1SWL (...	Yes	Y		1	1.2	37	1.5	12	.054	14	.027	15	-.0...										
123	1.2DL + 1.5LM-MP4 + 1SWL (...	Yes	Y		1	1.2	37	1.5	13	.054	14	.047	15	-.0...										
124	1.2DL + 1.5LM-MP5 + 1SWL (...	Yes	Y		1	1.2	38	1.5	2	.054	14	.054	15											
125	1.2DL + 1.5LM-MP5 + 1SWL (...	Yes	Y		1	1.2	38	1.5	3	.054	14	.047	15	.027										
126	1.2DL + 1.5LM-MP5 + 1SWL (...	Yes	Y		1	1.2	38	1.5	4	.054	14	.027	15	.047										
127	1.2DL + 1.5LM-MP5 + 1SWL (...	Yes	Y		1	1.2	38	1.5	5	.054	14		15	.054										
128	1.2DL + 1.5LM-MP5 + 1SWL (...	Yes	Y		1	1.2	38	1.5	6	.054	14	-.0...	15	.047										
129	1.2DL + 1.5LM-MP5 + 1SWL (...	Yes	Y		1	1.2	38	1.5	7	.054	14	-.0...	15	.027										
130	1.2DL + 1.5LM-MP5 + 1SWL (...	Yes	Y		1	1.2	38	1.5	8	.054	14	-.0...	15											
131	1.2DL + 1.5LM-MP5 + 1SWL (...	Yes	Y		1	1.2	38	1.5	9	.054	14	-.0...	15	-.0...										
132	1.2DL + 1.5LM-MP5 + 1SWL (...	Yes	Y		1	1.2	38	1.5	10	.054	14	-.0...	15	-.0...										
133	1.2DL + 1.5LM-MP5 + 1SWL (...	Yes	Y		1	1.2	38	1.5	11	.054	14		15	-.0...										
134	1.2DL + 1.5LM-MP5 + 1SWL (...	Yes	Y		1	1.2	38	1.5	12	.054	14	.027	15	-.0...										
135	1.2DL + 1.5LM-MP5 + 1SWL (...	Yes	Y		1	1.2	38	1.5	13	.054	14	.047	15	-.0...										
136	1.2DL + 1.5LM-MP6 + 1SWL (...	Yes	Y		1	1.2	39	1.5	2	.054	14	.054	15											
137	1.2DL + 1.5LM-MP6 + 1SWL (...	Yes	Y		1	1.2	39	1.5	3	.054	14	.047	15	.027										
138	1.2DL + 1.5LM-MP6 + 1SWL (...	Yes	Y		1	1.2	39	1.5	4	.054	14	.027	15	.047										
139	1.2DL + 1.5LM-MP6 + 1SWL (...	Yes	Y		1	1.2	39	1.5	5	.054	14		15	.054										
140	1.2DL + 1.5LM-MP6 + 1SWL (...	Yes	Y		1	1.2	39	1.5	6	.054	14	-.0...	15	.047										
141	1.2DL + 1.5LM-MP6 + 1SWL (...	Yes	Y		1	1.2	39	1.5	7	.054	14	-.0...	15	.027										
142	1.2DL + 1.5LM-MP6 + 1SWL (...	Yes	Y		1	1.2	39	1.5	8	.054	14	-.0...	15											
143	1.2DL + 1.5LM-MP6 + 1SWL (...	Yes	Y		1	1.2	39	1.5	9	.054	14	-.0...	15	-.0...										
144	1.2DL + 1.5LM-MP6 + 1SWL (...	Yes	Y		1	1.2	39	1.5	10	.054	14	-.0...	15	-.0...										
145	1.2DL + 1.5LM-MP6 + 1SWL (...	Yes	Y		1	1.2	39	1.5	11	.054	14		15	-.0...										
146	1.2DL + 1.5LM-MP6 + 1SWL (...	Yes	Y		1	1.2	39	1.5	12	.054	14	.027	15	-.0...										
147	1.2DL + 1.5LM-MP6 + 1SWL (...	Yes	Y		1	1.2	39	1.5	13	.054	14	.047	15	-.0...										
148	1.2DL + 1.5LM-MP7 + 1SWL (...	Yes	Y		1	1.2	40	1.5	2	.054	14	.054	15											
149	1.2DL + 1.5LM-MP7 + 1SWL (...	Yes	Y		1	1.2	40	1.5	3	.054	14	.047	15	.027										
150	1.2DL + 1.5LM-MP7 + 1SWL (...	Yes	Y		1	1.2	40	1.5	4	.054	14	.027	15	.047										
151	1.2DL + 1.5LM-MP7 + 1SWL (...	Yes	Y		1	1.2	40	1.5	5	.054	14		15	.054										
152	1.2DL + 1.5LM-MP7 + 1SWL (...	Yes	Y		1	1.2	40	1.5	6	.054	14	-.0...	15	.047										
153	1.2DL + 1.5LM-MP7 + 1SWL (...	Yes	Y		1	1.2	40	1.5	7	.054	14	-.0...	15	.027										
154	1.2DL + 1.5LM-MP7 + 1SWL (...	Yes	Y		1	1.2	40	1.5	8	.054	14	-.0...	15											
155	1.2DL + 1.5LM-MP7 + 1SWL (...	Yes	Y		1	1.2	40	1.5	9	.054	14	-.0...	15	-.0...										
156	1.2DL + 1.5LM-MP7 + 1SWL (...	Yes	Y		1	1.2	40	1.5	10	.054	14	-.0...	15	-.0...										
157	1.2DL + 1.5LM-MP7 + 1SWL (...	Yes	Y		1	1.2	40	1.5	11	.054	14		15	-.0...										
158	1.2DL + 1.5LM-MP7 + 1SWL (...	Yes	Y		1	1.2	40	1.5	12	.054	14	.027	15	-.0...										
159	1.2DL + 1.5LM-MP7 + 1SWL (...	Yes	Y		1	1.2	40	1.5	13	.054	14	.047	15	-.0...										
160	1.2DL + 1.5LM-MP8 + 1SWL (...	Yes	Y		1	1.2	41	1.5	2	.054	14	.054	15											
161	1.2DL + 1.5LM-MP8 + 1SWL (...	Yes	Y		1	1.2	41	1.5	3	.054	14	.047	15	.027										
162	1.2DL + 1.5LM-MP8 + 1SWL (...	Yes	Y		1	1.2	41	1.5	4	.054	14	.027	15	.047										
163	1.2DL + 1.5LM-MP8 + 1SWL (...	Yes	Y		1	1.2	41	1.5	5	.054	14		15	.054										
164	1.2DL + 1.5LM-MP8 + 1SWL (...	Yes	Y		1	1.2	41	1.5	6	.054	14	-.0...	15	.047										
165	1.2DL + 1.5LM-MP8 + 1SWL (...	Yes	Y		1	1.2	41	1.5	7	.054	14	-.0...	15	.027										
166	1.2DL + 1.5LM-MP8 + 1SWL (...	Yes	Y		1	1.2	41	1.5	8	.054	14	-.0...	15											
167	1.2DL + 1.5LM-MP8 + 1SWL (...	Yes	Y		1	1.2	41	1.5	9	.054	14	-.0...	15	-.0...										
168	1.2DL + 1.5LM-MP8 + 1SWL (...	Yes	Y		1	1.2	41	1.5	10	.054	14	-.0...	15	-.0...										
169	1.2DL + 1.5LM-MP8 + 1SWL (...	Yes	Y		1	1.2	41	1.5	11	.054	14		15	-.0...										
170	1.2DL + 1.5LM-MP8 + 1SWL (...	Yes	Y		1	1.2	41	1.5	12	.054	14	.027	15	-.0...										
171	1.2DL + 1.5LM-MP8 + 1SWL (...	Yes	Y		1	1.2	41	1.5	13	.054	14	.047	15	-.0...										
172	1.2DL + 1.5LM-MP9 + 1SWL (...	Yes	Y		1	1.2	42	1.5	2	.054	14	.054	15											
173	1.2DL + 1.5LM-MP9 + 1SWL (...	Yes	Y		1	1.2	42	1.5	3	.054	14	.047	15	.027										
174	1.2DL + 1.5LM-MP9 + 1SWL (...	Yes	Y		1	1.2	42	1.5	4	.054	14	.027	15	.047										
175	1.2DL + 1.5LM-MP9 + 1SWL (...	Yes	Y		1	1.2	42	1.5	5	.054	14		15	.054										
176	1.2DL + 1.5LM-MP9 + 1SWL (...	Yes	Y		1	1.2	42	1.5	6	.054	14	-.0...	15	.047										
177	1.2DL + 1.5LM-MP9 + 1SWL (...	Yes	Y		1	1.2	42	1.5	7	.054	14	-.0...	15	.027										
178	1.2DL + 1.5LM-MP9 + 1SWL (...	Yes	Y		1	1.2	42	1.5	8	.054	14	-.0...	15											

Load Combinations (Continued)

	Description	S...	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
179	1.2DL + 1.5LM-MP9 + 1SWL (...	Yes	Y		1	1.2	42	1.5	9	.054	14	-.0...	15	-.0...										
180	1.2DL + 1.5LM-MP9 + 1SWL (...	Yes	Y		1	1.2	42	1.5	10	.054	14	-.0...	15	-.0...										
181	1.2DL + 1.5LM-MP9 + 1SWL (...	Yes	Y		1	1.2	42	1.5	11	.054	14		15	-.0...										
182	1.2DL + 1.5LM-MP9 + 1SWL (...	Yes	Y		1	1.2	42	1.5	12	.054	14	.027	15	-.0...										

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [lb-ft]	LC	MY [lb-ft]	LC	MZ [lb-ft]	LC
1	N149	max	1019.251	18	2981.44	31	6608.894	38	3637.798	25	2424.927	3	4259.324	24
2		min	-11287.8...	37	-124.334	24	-976.81	20	-6376.129	7	-2433.339	9	-8815.15	6
3	N154	max	11320.148	29	2980.61	35	6529.781	29	3345.836	14	2652.276	7	8916.44	11
4		min	-1112.908	22	-97.388	16	-630.968	22	-5877.148	9	-2664.075	13	-4251.263	17
5	N134A	max	1961.708	17	2984.027	27	1326.461	14	10480.938	2	2815.703	11	3302.7	23
6		min	-1960.911	23	-167.607	20	-13055.6...	33	-5140.484	20	-2825.003	5	-3434.2	5
7	Totals:	max	8166.013	5	8624.752	38	8499.697	2						
8		min	-8166.002	23	2495.51	56	-8499.679	20						

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Support Pipe	PIPE_2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
2	Mount Pipe	PIPE_2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
3	Handrail	PIPE_2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
4	Horizontal	PIPE_3.0	None	None	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
5	HSS	HSS3X3X4	None	None	A53 Gr.B	Typical	2.44	3.02	3.02	5.08
6	Angle 1.5"x2.5"	L1.5x2.5x4	None	None	A36 Gr.36	Typical	.938	.161	.591	.018
7	Angle 2.5"x2.5"	L2.5x2.5x4	None	None	A36 Gr.36	Typical	1.19	.692	.692	.026
8	Plate 5/8"	6"x5/8"	None	None	A36 Gr.36	Typical	3.75	.122	11.25	.456
9	Plate 1/2"	PL6x1/2"	None	None	A36 Gr.36	Typical	3	.063	9	.237
10	Rod	1" Rod	None	None	A36 Gr.36	Typical	.785	.049	.049	.098
11	Site Pro 1 PRK-...	LL2.5x2.5x3x6	None	None	A36 Gr.36	Typical	1.8	3.09	1.07	.023

Cold Formed Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rules	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Unistrut	P1000_CFB	None	None	A653 SS Gr33	Typical	.513	.152	.212	.002

Joint Boundary Conditions

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
1	N149	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
2	N154	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
3	N134A	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
4	N213						
5	N215						
6	N217						
7	N217A						
8	N219						

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	GS101						Yes	** NA **			None
2	GS102						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
3	GS111						Yes	** NA **			None
4	GS112						Yes	** NA **			None
5	GS113						Yes	** NA **			None
6	GS114						Yes	** NA **			None
7	GS127						Yes	** NA **			None
8	GS128						Yes	** NA **			None
9	GS129						Yes	** NA **			None
10	GS130						Yes	** NA **			None
11	GS131						Yes	** NA **			None
12	GS132						Yes	** NA **			None
13	H1						Yes	** NA **			None
14	H2						Yes	** NA **			None
15	H3						Yes	** NA **			None
16	H4						Yes	** NA **			None
17	H5						Yes	** NA **			None
18	H6						Yes	** NA **			None
19	H7						Yes	** NA **			None
20	H8						Yes	** NA **			None
21	H9						Yes	** NA **			None
22	HP28						Yes	** NA **			None
23	HP29						Yes	** NA **			None
24	HP30						Yes	** NA **			None
25	MP1						Yes	** NA **			None
26	MP2						Yes	** NA **			None
27	MP3						Yes	** NA **			None
28	R47						Yes	** NA **			None
29	R49						Yes	** NA **			None
30	R51						Yes	** NA **			None
31	R75						Yes	** NA **			None
32	R76						Yes	** NA **			None
33	R77						Yes	** NA **			None
34	R81						Yes	** NA **			None
35	R82						Yes	** NA **			None
36	R83						Yes	** NA **			None
37	R84						Yes	** NA **			None
38	R85						Yes	** NA **			None
39	R86						Yes	** NA **			None
40	R97						Yes	** NA **			None
41	R98						Yes	** NA **			None
42	R99						Yes	** NA **			None
43	R100						Yes	** NA **			None
44	R103						Yes	** NA **			None
45	R104						Yes	** NA **			None
46	R105						Yes	** NA **			None
47	R106						Yes	** NA **			None
48	R107						Yes	** NA **			None
49	R108						Yes	** NA **			None
50	R109						Yes	** NA **			None
51	R110						Yes	** NA **			None
52	R115						Yes	** NA **			None
53	R116						Yes	** NA **			None
54	R117						Yes	** NA **			None
55	R118						Yes	** NA **			None
56	R119						Yes	** NA **			None
57	R120						Yes	** NA **			None
58	R121						Yes	** NA **			None
59	R122						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
60	R123						Yes	** NA **			None
61	R124						Yes	** NA **			None
62	R125						Yes	** NA **			None
63	R126						Yes	** NA **			None
64	S82						Yes	** NA **			None
65	S83						Yes	** NA **			None
66	S87						Yes	** NA **			None
67	S88						Yes	** NA **			None
68	S89						Yes	** NA **			None
69	S90						Yes	** NA **			None
70	SB91						Yes	** NA **			None
71	SB92						Yes	** NA **			None
72	SB93						Yes	** NA **			None
73	SB94						Yes	** NA **			None
74	SB95						Yes	** NA **			None
75	SB96						Yes	** NA **			None
76	MP7						Yes	** NA **			None
77	MP8						Yes	** NA **			None
78	MP9						Yes	** NA **			None
79	R79						Yes	** NA **			None
80	R80						Yes	** NA **			None
81	R81A						Yes	** NA **			None
82	MP4						Yes	** NA **			None
83	MP5						Yes	** NA **			None
84	MP6						Yes	** NA **			None
85	R85A						Yes	** NA **			None
86	R86A						Yes	** NA **			None
87	R87						Yes	** NA **			None
88	RP3						Yes	** NA **			None
89	R89						Yes	** NA **			None
90	R90						Yes	** NA **			None
91	RP1						Yes	** NA **			None
92	R92						Yes	** NA **			None
93	R93						Yes	** NA **			None
94	RP2						Yes	** NA **			None
95	R95						Yes	** NA **			None
96	R96						Yes	** NA **			None

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E..	Density[lb/i...	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.284	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.284	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.284	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.305	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	.305	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	.284	35	1.6	60	1.2
7	A1085	29000	11154	.3	.65	.284	50	1.4	65	1.3

Cold Formed Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E5 F)	Density[lb/in^3]	Yield[ksi]	Fu[ksi]
1	A653 SS Gr33	29500	11346	.3	.65	.284	33	45
2	A653 SS Gr50/1	29500	11346	.3	.65	.284	50	65

Joint Loads and Enforced Displacements (BLC 33 : Service Live Loads)

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*s^...
1	N13	L	Y	-250
2	N14	L	Y	-250
3	N7	L	Y	-250
4	N8	L	Y	-250
5	N19	L	Y	-250
6	N20	L	Y	-250

Joint Loads and Enforced Displacements (BLC 34 : Maintenance Load 1)

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*s^...
1	N66	L	Y	-500

Joint Loads and Enforced Displacements (BLC 35 : Maintenance Load 2)

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*s^...
1	N64	L	Y	-500

Joint Loads and Enforced Displacements (BLC 36 : Maintenance Load 3)

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*s^...
1	N62	L	Y	-500

Joint Loads and Enforced Displacements (BLC 37 : Maintenance Load 4)

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*s^...
1	N122A	L	Y	-500

Joint Loads and Enforced Displacements (BLC 38 : Maintenance Load 5)

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*s^...
1	N121A	L	Y	-500

Joint Loads and Enforced Displacements (BLC 39 : Maintenance Load 6)

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*s^...
1	N120A	L	Y	-500

Joint Loads and Enforced Displacements (BLC 40 : Maintenance Load 7)

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*s^...
1	N135	L	Y	-500

Joint Loads and Enforced Displacements (BLC 41 : Maintenance Load 8)

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*s^...
1	N134	L	Y	-500

Joint Loads and Enforced Displacements (BLC 42 : Maintenance Load 9)

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*s^...
1	N133	L	Y	-500

Member Point Loads (BLC 1 : Self Weight)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	Y	-17.5	0
2	MP1	Y	-17.5	54
3	MP1	Y	-22	60
4	MP2	Y	-47.85	0
5	MP2	Y	-47.85	72

Member Point Loads (BLC 1 : Self Weight) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
6	MP3	Y	-47.85	0
7	MP3	Y	-47.85	72
8	MP2	Y	-59.9	48
9	MP3	Y	-70	48
10	MP3	Y	-75	48
11	RP1	Y	-32.8	12
12	MP4	Y	-17.5	0
13	MP4	Y	-17.5	54
14	MP4	Y	-22	60
15	MP5	Y	-47.85	0
16	MP5	Y	-47.85	72
17	MP6	Y	-47.85	0
18	MP6	Y	-47.85	72
19	MP5	Y	-59.9	48
20	MP6	Y	-70	48
21	MP6	Y	-75	48
22	RP2	Y	-32.8	12
23	MP7	Y	-17.5	0
24	MP7	Y	-17.5	54
25	MP7	Y	-22	60
26	MP8	Y	-47.85	0
27	MP8	Y	-47.85	72
28	MP9	Y	-47.85	0
29	MP9	Y	-47.85	72
30	MP8	Y	-59.9	48
31	MP9	Y	-70	48
32	MP9	Y	-75	48
33	RP3	Y	-32.8	12

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	0
2	MP1	Z	-136.68	0
3	MP1	X	0	54
4	MP1	Z	-136.68	54
5	MP1	X	0	60
6	MP1	Z	-39.34	60
7	MP2	X	0	0
8	MP2	Z	-443.42	0
9	MP2	X	0	72
10	MP2	Z	-443.42	72
11	MP3	X	0	0
12	MP3	Z	-443.42	0
13	MP3	X	0	72
14	MP3	Z	-443.42	72
15	MP2	X	0	48
16	MP2	Z	-91.43	48
17	MP3	X	0	48
18	MP3	Z	-98.26	48
19	MP3	X	0	48
20	MP3	Z	-98.26	48
21	RP1	X	0	12
22	RP1	Z	-143.95	12
23	MP4	X	0	0
24	MP4	Z	-88.66	0
25	MP4	X	0	54

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
26	MP4	Z	-88.66	54
27	MP4	X	0	60
28	MP4	Z	-33.73	60
29	MP5	X	0	0
30	MP5	Z	-262	0
31	MP5	X	0	72
32	MP5	Z	-262	72
33	MP6	X	0	0
34	MP6	Z	-262	0
35	MP6	X	0	72
36	MP6	Z	-262	72
37	MP5	X	0	48
38	MP5	Z	-62.26	48
39	MP6	X	0	48
40	MP6	Z	-77.04	48
41	MP6	X	0	48
42	MP6	Z	-87.65	48
43	RP2	X	0	12
44	RP2	Z	-143.95	12
45	MP7	X	0	0
46	MP7	Z	-99.11	0
47	MP7	X	0	54
48	MP7	Z	-99.11	54
49	MP7	X	0	60
50	MP7	Z	-34.95	60
51	MP8	X	0	0
52	MP8	Z	-301.47	0
53	MP8	X	0	72
54	MP8	Z	-301.47	72
55	MP9	X	0	0
56	MP9	Z	-301.47	0
57	MP9	X	0	72
58	MP9	Z	-301.47	72
59	MP8	X	0	48
60	MP8	Z	-68.61	48
61	MP9	X	0	48
62	MP9	Z	-81.66	48
63	MP9	X	0	48
64	MP9	Z	-89.96	48
65	RP3	X	0	12
66	RP3	Z	-143.95	12

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-60.34	0
2	MP1	Z	-104.5	0
3	MP1	X	-60.34	54
4	MP1	Z	-104.5	54
5	MP1	X	-18.74	60
6	MP1	Z	-32.45	60
7	MP2	X	-191.47	0
8	MP2	Z	-331.64	0
9	MP2	X	-191.47	72
10	MP2	Z	-331.64	72
11	MP3	X	-191.47	0
12	MP3	Z	-331.64	0

Member Point Loads (BLC 3 : Wind Load AZI 30) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
13	MP3	X	-191.47	72
14	MP3	Z	-331.64	72
15	MP2	X	-40.85	48
16	MP2	Z	-70.76	48
17	MP3	X	-45.59	48
18	MP3	Z	-78.97	48
19	MP3	X	-47.36	48
20	MP3	Z	-82.03	48
21	RP1	X	-71.97	12
22	RP1	Z	-124.66	12
23	MP4	X	-60.34	0
24	MP4	Z	-104.5	0
25	MP4	X	-60.34	54
26	MP4	Z	-104.5	54
27	MP4	X	-18.74	60
28	MP4	Z	-32.45	60
29	MP5	X	-191.47	0
30	MP5	Z	-331.64	0
31	MP5	X	-191.47	72
32	MP5	Z	-331.64	72
33	MP6	X	-191.47	0
34	MP6	Z	-331.64	0
35	MP6	X	-191.47	72
36	MP6	Z	-331.64	72
37	MP5	X	-40.85	48
38	MP5	Z	-70.76	48
39	MP6	X	-45.59	48
40	MP6	Z	-78.97	48
41	MP6	X	-47.36	48
42	MP6	Z	-82.03	48
43	RP2	X	-71.97	12
44	RP2	Z	-124.66	12
45	MP7	X	-37.29	0
46	MP7	Z	-64.59	0
47	MP7	X	-37.29	54
48	MP7	Z	-64.59	54
49	MP7	X	-16.04	60
50	MP7	Z	-27.79	60
51	MP8	X	-104.41	0
52	MP8	Z	-180.84	0
53	MP8	X	-104.41	72
54	MP8	Z	-180.84	72
55	MP9	X	-104.41	0
56	MP9	Z	-180.84	0
57	MP9	X	-104.41	72
58	MP9	Z	-180.84	72
59	MP8	X	-26.86	48
60	MP8	Z	-46.52	48
61	MP9	X	-35.41	48
62	MP9	Z	-61.33	48
63	MP9	X	-42.27	48
64	MP9	Z	-73.21	48
65	RP3	X	-71.97	12
66	RP3	Z	-124.66	12

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

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

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-76.78	0
2	MP1	Z	-44.33	0
3	MP1	X	-76.78	54
4	MP1	Z	-44.33	54
5	MP1	X	-29.21	60
6	MP1	Z	-16.87	60
7	MP2	X	-226.9	0
8	MP2	Z	-131	0
9	MP2	X	-226.9	72
10	MP2	Z	-131	72
11	MP3	X	-226.9	0
12	MP3	Z	-131	0
13	MP3	X	-226.9	72
14	MP3	Z	-131	72
15	MP2	X	-53.92	48
16	MP2	Z	-31.13	48
17	MP3	X	-66.72	48
18	MP3	Z	-38.52	48
19	MP3	X	-75.91	48
20	MP3	Z	-43.82	48
21	RP1	X	-124.66	12
22	RP1	Z	-71.97	12
23	MP4	X	-118.36	0
24	MP4	Z	-68.34	0
25	MP4	X	-118.36	54
26	MP4	Z	-68.34	54
27	MP4	X	-34.07	60
28	MP4	Z	-19.67	60
29	MP5	X	-384.01	0
30	MP5	Z	-221.71	0
31	MP5	X	-384.01	72
32	MP5	Z	-221.71	72
33	MP6	X	-384.01	0
34	MP6	Z	-221.71	0
35	MP6	X	-384.01	72
36	MP6	Z	-221.71	72
37	MP5	X	-79.18	48
38	MP5	Z	-45.72	48
39	MP6	X	-85.09	48
40	MP6	Z	-49.13	48
41	MP6	X	-85.09	48
42	MP6	Z	-49.13	48
43	RP2	X	-124.66	12
44	RP2	Z	-71.97	12
45	MP7	X	-69.41	0
46	MP7	Z	-40.07	0
47	MP7	X	-69.41	54
48	MP7	Z	-40.07	54
49	MP7	X	-28.35	60
50	MP7	Z	-16.37	60
51	MP8	X	-199.03	0
52	MP8	Z	-114.91	0
53	MP8	X	-199.03	72
54	MP8	Z	-114.91	72
55	MP9	X	-199.03	0
56	MP9	Z	-114.91	0
57	MP9	X	-199.03	72

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
58	MP9	Z	-114.91	72
59	MP8	X	-49.44	48
60	MP8	Z	-28.54	48
61	MP9	X	-63.46	48
62	MP9	Z	-36.64	48
63	MP9	X	-74.28	48
64	MP9	Z	-42.88	48
65	RP3	X	-124.66	12
66	RP3	Z	-71.97	12

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-72.66	0
2	MP1	Z	0	0
3	MP1	X	-72.66	54
4	MP1	Z	0	54
5	MP1	X	-31.86	60
6	MP1	Z	0	60
7	MP2	X	-201.53	0
8	MP2	Z	0	0
9	MP2	X	-201.53	72
10	MP2	Z	0	72
11	MP3	X	-201.53	0
12	MP3	Z	0	0
13	MP3	X	-201.53	72
14	MP3	Z	0	72
15	MP2	X	-52.54	48
16	MP2	Z	0	48
17	MP3	X	-69.97	48
18	MP3	Z	0	48
19	MP3	X	-84.11	48
20	MP3	Z	0	48
21	RP1	X	-143.95	12
22	RP1	Z	0	12
23	MP4	X	-120.67	0
24	MP4	Z	0	0
25	MP4	X	-120.67	54
26	MP4	Z	0	54
27	MP4	X	-37.47	60
28	MP4	Z	0	60
29	MP5	X	-382.94	0
30	MP5	Z	0	0
31	MP5	X	-382.94	72
32	MP5	Z	0	72
33	MP6	X	-382.94	0
34	MP6	Z	0	0
35	MP6	X	-382.94	72
36	MP6	Z	0	72
37	MP5	X	-81.71	48
38	MP5	Z	0	48
39	MP6	X	-91.18	48
40	MP6	Z	0	48
41	MP6	X	-94.72	48
42	MP6	Z	0	48
43	RP2	X	-143.95	12
44	RP2	Z	0	12

Member Point Loads (BLC 5 : Wind Load AZI 90) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
45	MP7	X	-110.22	0
46	MP7	Z	0	0
47	MP7	X	-110.22	54
48	MP7	Z	0	54
49	MP7	X	-36.25	60
50	MP7	Z	0	60
51	MP8	X	-343.47	0
52	MP8	Z	0	0
53	MP8	X	-343.47	72
54	MP8	Z	0	72
55	MP9	X	-343.47	0
56	MP9	Z	0	0
57	MP9	X	-343.47	72
58	MP9	Z	0	72
59	MP8	X	-75.36	48
60	MP8	Z	0	48
61	MP9	X	-86.57	48
62	MP9	Z	0	48
63	MP9	X	-92.41	48
64	MP9	Z	0	48
65	RP3	X	-143.95	12
66	RP3	Z	0	12

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-76.78	0
2	MP1	Z	44.33	0
3	MP1	X	-76.78	54
4	MP1	Z	44.33	54
5	MP1	X	-29.21	60
6	MP1	Z	16.87	60
7	MP2	X	-226.9	0
8	MP2	Z	131	0
9	MP2	X	-226.9	72
10	MP2	Z	131	72
11	MP3	X	-226.9	0
12	MP3	Z	131	0
13	MP3	X	-226.9	72
14	MP3	Z	131	72
15	MP2	X	-53.92	48
16	MP2	Z	31.13	48
17	MP3	X	-66.72	48
18	MP3	Z	38.52	48
19	MP3	X	-75.91	48
20	MP3	Z	43.82	48
21	RP1	X	-124.66	12
22	RP1	Z	71.97	12
23	MP4	X	-76.78	0
24	MP4	Z	44.33	0
25	MP4	X	-76.78	54
26	MP4	Z	44.33	54
27	MP4	X	-29.21	60
28	MP4	Z	16.87	60
29	MP5	X	-226.9	0
30	MP5	Z	131	0
31	MP5	X	-226.9	72

Member Point Loads (BLC 6 : Wind Load AZI 120) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
32	MP5	Z	131	72
33	MP6	X	-226.9	0
34	MP6	Z	131	0
35	MP6	X	-226.9	72
36	MP6	Z	131	72
37	MP5	X	-53.92	48
38	MP5	Z	31.13	48
39	MP6	X	-66.72	48
40	MP6	Z	38.52	48
41	MP6	X	-75.91	48
42	MP6	Z	43.82	48
43	RP2	X	-124.66	12
44	RP2	Z	71.97	12
45	MP7	X	-116.69	0
46	MP7	Z	67.37	0
47	MP7	X	-116.69	54
48	MP7	Z	67.37	54
49	MP7	X	-33.88	60
50	MP7	Z	19.56	60
51	MP8	X	-377.69	0
52	MP8	Z	218.06	0
53	MP8	X	-377.69	72
54	MP8	Z	218.06	72
55	MP9	X	-377.69	0
56	MP9	Z	218.06	0
57	MP9	X	-377.69	72
58	MP9	Z	218.06	72
59	MP8	X	-78.17	48
60	MP8	Z	45.13	48
61	MP9	X	-84.35	48
62	MP9	Z	48.7	48
63	MP9	X	-84.72	48
64	MP9	Z	48.91	48
65	RP3	X	-124.66	12
66	RP3	Z	71.97	12

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-60.34	0
2	MP1	Z	104.5	0
3	MP1	X	-60.34	54
4	MP1	Z	104.5	54
5	MP1	X	-18.74	60
6	MP1	Z	32.45	60
7	MP2	X	-191.47	0
8	MP2	Z	331.64	0
9	MP2	X	-191.47	72
10	MP2	Z	331.64	72
11	MP3	X	-191.47	0
12	MP3	Z	331.64	0
13	MP3	X	-191.47	72
14	MP3	Z	331.64	72
15	MP2	X	-40.85	48
16	MP2	Z	70.76	48
17	MP3	X	-45.59	48
18	MP3	Z	78.97	48

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
19	MP3	X	-47.36	48
20	MP3	Z	82.03	48
21	RP1	X	-71.97	12
22	RP1	Z	124.66	12
23	MP4	X	-36.33	0
24	MP4	Z	62.92	0
25	MP4	X	-36.33	54
26	MP4	Z	62.92	54
27	MP4	X	-15.93	60
28	MP4	Z	27.59	60
29	MP5	X	-100.76	0
30	MP5	Z	174.53	0
31	MP5	X	-100.76	72
32	MP5	Z	174.53	72
33	MP6	X	-100.76	0
34	MP6	Z	174.53	0
35	MP6	X	-100.76	72
36	MP6	Z	174.53	72
37	MP5	X	-26.27	48
38	MP5	Z	45.5	48
39	MP6	X	-34.98	48
40	MP6	Z	60.6	48
41	MP6	X	-42.06	48
42	MP6	Z	72.84	48
43	RP2	X	-71.97	12
44	RP2	Z	124.66	12
45	MP7	X	-64.59	0
46	MP7	Z	111.88	0
47	MP7	X	-64.59	54
48	MP7	Z	111.88	54
49	MP7	X	-19.23	60
50	MP7	Z	33.31	60
51	MP8	X	-207.56	0
52	MP8	Z	359.51	0
53	MP8	X	-207.56	72
54	MP8	Z	359.51	72
55	MP9	X	-207.56	0
56	MP9	Z	359.51	0
57	MP9	X	-207.56	72
58	MP9	Z	359.51	72
59	MP8	X	-43.44	48
60	MP8	Z	75.24	48
61	MP9	X	-47.47	48
62	MP9	Z	82.23	48
63	MP9	X	-48.3	48
64	MP9	Z	83.66	48
65	RP3	X	-71.97	12
66	RP3	Z	124.66	12

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	0
2	MP1	Z	136.68	0
3	MP1	X	0	54
4	MP1	Z	136.68	54
5	MP1	X	0	60

Member Point Loads (BLC 8 : Wind Load AZI 180) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
6	MP1	Z	39.34	60
7	MP2	X	0	0
8	MP2	Z	443.42	0
9	MP2	X	0	72
10	MP2	Z	443.42	72
11	MP3	X	0	0
12	MP3	Z	443.42	0
13	MP3	X	0	72
14	MP3	Z	443.42	72
15	MP2	X	0	48
16	MP2	Z	91.43	48
17	MP3	X	0	48
18	MP3	Z	98.26	48
19	MP3	X	0	48
20	MP3	Z	98.26	48
21	RP1	X	0	12
22	RP1	Z	143.95	12
23	MP4	X	0	0
24	MP4	Z	88.66	0
25	MP4	X	0	54
26	MP4	Z	88.66	54
27	MP4	X	0	60
28	MP4	Z	33.73	60
29	MP5	X	0	0
30	MP5	Z	262	0
31	MP5	X	0	72
32	MP5	Z	262	72
33	MP6	X	0	0
34	MP6	Z	262	0
35	MP6	X	0	72
36	MP6	Z	262	72
37	MP5	X	0	48
38	MP5	Z	62.26	48
39	MP6	X	0	48
40	MP6	Z	77.04	48
41	MP6	X	0	48
42	MP6	Z	87.65	48
43	RP2	X	0	12
44	RP2	Z	143.95	12
45	MP7	X	0	0
46	MP7	Z	99.11	0
47	MP7	X	0	54
48	MP7	Z	99.11	54
49	MP7	X	0	60
50	MP7	Z	34.95	60
51	MP8	X	0	0
52	MP8	Z	301.47	0
53	MP8	X	0	72
54	MP8	Z	301.47	72
55	MP9	X	0	0
56	MP9	Z	301.47	0
57	MP9	X	0	72
58	MP9	Z	301.47	72
59	MP8	X	0	48
60	MP8	Z	68.61	48
61	MP9	X	0	48
62	MP9	Z	81.66	48

Member Point Loads (BLC 8 : Wind Load AZI 180) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
63	MP9	X	0	48
64	MP9	Z	89.96	48
65	RP3	X	0	12
66	RP3	Z	143.95	12

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	60.34	0
2	MP1	Z	104.5	0
3	MP1	X	60.34	54
4	MP1	Z	104.5	54
5	MP1	X	18.74	60
6	MP1	Z	32.45	60
7	MP2	X	191.47	0
8	MP2	Z	331.64	0
9	MP2	X	191.47	72
10	MP2	Z	331.64	72
11	MP3	X	191.47	0
12	MP3	Z	331.64	0
13	MP3	X	191.47	72
14	MP3	Z	331.64	72
15	MP2	X	40.85	48
16	MP2	Z	70.76	48
17	MP3	X	45.59	48
18	MP3	Z	78.97	48
19	MP3	X	47.36	48
20	MP3	Z	82.03	48
21	RP1	X	71.97	12
22	RP1	Z	124.66	12
23	MP4	X	60.34	0
24	MP4	Z	104.5	0
25	MP4	X	60.34	54
26	MP4	Z	104.5	54
27	MP4	X	18.74	60
28	MP4	Z	32.45	60
29	MP5	X	191.47	0
30	MP5	Z	331.64	0
31	MP5	X	191.47	72
32	MP5	Z	331.64	72
33	MP6	X	191.47	0
34	MP6	Z	331.64	0
35	MP6	X	191.47	72
36	MP6	Z	331.64	72
37	MP5	X	40.85	48
38	MP5	Z	70.76	48
39	MP6	X	45.59	48
40	MP6	Z	78.97	48
41	MP6	X	47.36	48
42	MP6	Z	82.03	48
43	RP2	X	71.97	12
44	RP2	Z	124.66	12
45	MP7	X	37.29	0
46	MP7	Z	64.59	0
47	MP7	X	37.29	54
48	MP7	Z	64.59	54
49	MP7	X	16.04	60

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
50	MP7	Z	27.79	60
51	MP8	X	104.41	0
52	MP8	Z	180.84	0
53	MP8	X	104.41	72
54	MP8	Z	180.84	72
55	MP9	X	104.41	0
56	MP9	Z	180.84	0
57	MP9	X	104.41	72
58	MP9	Z	180.84	72
59	MP8	X	26.86	48
60	MP8	Z	46.52	48
61	MP9	X	35.41	48
62	MP9	Z	61.33	48
63	MP9	X	42.27	48
64	MP9	Z	73.21	48
65	RP3	X	71.97	12
66	RP3	Z	124.66	12

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	76.78	0
2	MP1	Z	44.33	0
3	MP1	X	76.78	54
4	MP1	Z	44.33	54
5	MP1	X	29.21	60
6	MP1	Z	16.87	60
7	MP2	X	226.9	0
8	MP2	Z	131	0
9	MP2	X	226.9	72
10	MP2	Z	131	72
11	MP3	X	226.9	0
12	MP3	Z	131	0
13	MP3	X	226.9	72
14	MP3	Z	131	72
15	MP2	X	53.92	48
16	MP2	Z	31.13	48
17	MP3	X	66.72	48
18	MP3	Z	38.52	48
19	MP3	X	75.91	48
20	MP3	Z	43.82	48
21	RP1	X	124.66	12
22	RP1	Z	71.97	12
23	MP4	X	118.36	0
24	MP4	Z	68.34	0
25	MP4	X	118.36	54
26	MP4	Z	68.34	54
27	MP4	X	34.07	60
28	MP4	Z	19.67	60
29	MP5	X	384.01	0
30	MP5	Z	221.71	0
31	MP5	X	384.01	72
32	MP5	Z	221.71	72
33	MP6	X	384.01	0
34	MP6	Z	221.71	0
35	MP6	X	384.01	72
36	MP6	Z	221.71	72

Member Point Loads (BLC 10 : Wind Load AZI 240) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
37	MP5	X	79.18	48
38	MP5	Z	45.72	48
39	MP6	X	85.09	48
40	MP6	Z	49.13	48
41	MP6	X	85.09	48
42	MP6	Z	49.13	48
43	RP2	X	124.66	12
44	RP2	Z	71.97	12
45	MP7	X	69.41	0
46	MP7	Z	40.07	0
47	MP7	X	69.41	54
48	MP7	Z	40.07	54
49	MP7	X	28.35	60
50	MP7	Z	16.37	60
51	MP8	X	199.03	0
52	MP8	Z	114.91	0
53	MP8	X	199.03	72
54	MP8	Z	114.91	72
55	MP9	X	199.03	0
56	MP9	Z	114.91	0
57	MP9	X	199.03	72
58	MP9	Z	114.91	72
59	MP8	X	49.44	48
60	MP8	Z	28.54	48
61	MP9	X	63.46	48
62	MP9	Z	36.64	48
63	MP9	X	74.28	48
64	MP9	Z	42.88	48
65	RP3	X	124.66	12
66	RP3	Z	71.97	12

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	72.66	0
2	MP1	Z	0	0
3	MP1	X	72.66	54
4	MP1	Z	0	54
5	MP1	X	31.86	60
6	MP1	Z	0	60
7	MP2	X	201.53	0
8	MP2	Z	0	0
9	MP2	X	201.53	72
10	MP2	Z	0	72
11	MP3	X	201.53	0
12	MP3	Z	0	0
13	MP3	X	201.53	72
14	MP3	Z	0	72
15	MP2	X	52.54	48
16	MP2	Z	0	48
17	MP3	X	69.97	48
18	MP3	Z	0	48
19	MP3	X	84.11	48
20	MP3	Z	0	48
21	RP1	X	143.95	12
22	RP1	Z	0	12
23	MP4	X	120.67	0

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
24	MP4	Z	0	0
25	MP4	X	120.67	54
26	MP4	Z	0	54
27	MP4	X	37.47	60
28	MP4	Z	0	60
29	MP5	X	382.94	0
30	MP5	Z	0	0
31	MP5	X	382.94	72
32	MP5	Z	0	72
33	MP6	X	382.94	0
34	MP6	Z	0	0
35	MP6	X	382.94	72
36	MP6	Z	0	72
37	MP5	X	81.71	48
38	MP5	Z	0	48
39	MP6	X	91.18	48
40	MP6	Z	0	48
41	MP6	X	94.72	48
42	MP6	Z	0	48
43	RP2	X	143.95	12
44	RP2	Z	0	12
45	MP7	X	110.22	0
46	MP7	Z	0	0
47	MP7	X	110.22	54
48	MP7	Z	0	54
49	MP7	X	36.25	60
50	MP7	Z	0	60
51	MP8	X	343.47	0
52	MP8	Z	0	0
53	MP8	X	343.47	72
54	MP8	Z	0	72
55	MP9	X	343.47	0
56	MP9	Z	0	0
57	MP9	X	343.47	72
58	MP9	Z	0	72
59	MP8	X	75.36	48
60	MP8	Z	0	48
61	MP9	X	86.57	48
62	MP9	Z	0	48
63	MP9	X	92.41	48
64	MP9	Z	0	48
65	RP3	X	143.95	12
66	RP3	Z	0	12

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	76.78	0
2	MP1	Z	-44.33	0
3	MP1	X	76.78	54
4	MP1	Z	-44.33	54
5	MP1	X	29.21	60
6	MP1	Z	-16.87	60
7	MP2	X	226.9	0
8	MP2	Z	-131	0
9	MP2	X	226.9	72
10	MP2	Z	-131	72

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
11	MP3	X	226.9	0
12	MP3	Z	-131	0
13	MP3	X	226.9	72
14	MP3	Z	-131	72
15	MP2	X	53.92	48
16	MP2	Z	-31.13	48
17	MP3	X	66.72	48
18	MP3	Z	-38.52	48
19	MP3	X	75.91	48
20	MP3	Z	-43.82	48
21	RP1	X	124.66	12
22	RP1	Z	-71.97	12
23	MP4	X	76.78	0
24	MP4	Z	-44.33	0
25	MP4	X	76.78	54
26	MP4	Z	-44.33	54
27	MP4	X	29.21	60
28	MP4	Z	-16.87	60
29	MP5	X	226.9	0
30	MP5	Z	-131	0
31	MP5	X	226.9	72
32	MP5	Z	-131	72
33	MP6	X	226.9	0
34	MP6	Z	-131	0
35	MP6	X	226.9	72
36	MP6	Z	-131	72
37	MP5	X	53.92	48
38	MP5	Z	-31.13	48
39	MP6	X	66.72	48
40	MP6	Z	-38.52	48
41	MP6	X	75.91	48
42	MP6	Z	-43.82	48
43	RP2	X	124.66	12
44	RP2	Z	-71.97	12
45	MP7	X	116.69	0
46	MP7	Z	-67.37	0
47	MP7	X	116.69	54
48	MP7	Z	-67.37	54
49	MP7	X	33.88	60
50	MP7	Z	-19.56	60
51	MP8	X	377.69	0
52	MP8	Z	-218.06	0
53	MP8	X	377.69	72
54	MP8	Z	-218.06	72
55	MP9	X	377.69	0
56	MP9	Z	-218.06	0
57	MP9	X	377.69	72
58	MP9	Z	-218.06	72
59	MP8	X	78.17	48
60	MP8	Z	-45.13	48
61	MP9	X	84.35	48
62	MP9	Z	-48.7	48
63	MP9	X	84.72	48
64	MP9	Z	-48.91	48
65	RP3	X	124.66	12
66	RP3	Z	-71.97	12

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	60.34	0
2	MP1	Z	-104.5	0
3	MP1	X	60.34	54
4	MP1	Z	-104.5	54
5	MP1	X	18.74	60
6	MP1	Z	-32.45	60
7	MP2	X	191.47	0
8	MP2	Z	-331.64	0
9	MP2	X	191.47	72
10	MP2	Z	-331.64	72
11	MP3	X	191.47	0
12	MP3	Z	-331.64	0
13	MP3	X	191.47	72
14	MP3	Z	-331.64	72
15	MP2	X	40.85	48
16	MP2	Z	-70.76	48
17	MP3	X	45.59	48
18	MP3	Z	-78.97	48
19	MP3	X	47.36	48
20	MP3	Z	-82.03	48
21	RP1	X	71.97	12
22	RP1	Z	-124.66	12
23	MP4	X	36.33	0
24	MP4	Z	-62.92	0
25	MP4	X	36.33	54
26	MP4	Z	-62.92	54
27	MP4	X	15.93	60
28	MP4	Z	-27.59	60
29	MP5	X	100.76	0
30	MP5	Z	-174.53	0
31	MP5	X	100.76	72
32	MP5	Z	-174.53	72
33	MP6	X	100.76	0
34	MP6	Z	-174.53	0
35	MP6	X	100.76	72
36	MP6	Z	-174.53	72
37	MP5	X	26.27	48
38	MP5	Z	-45.5	48
39	MP6	X	34.98	48
40	MP6	Z	-60.6	48
41	MP6	X	42.06	48
42	MP6	Z	-72.84	48
43	RP2	X	71.97	12
44	RP2	Z	-124.66	12
45	MP7	X	64.59	0
46	MP7	Z	-111.88	0
47	MP7	X	64.59	54
48	MP7	Z	-111.88	54
49	MP7	X	19.23	60
50	MP7	Z	-33.31	60
51	MP8	X	207.56	0
52	MP8	Z	-359.51	0
53	MP8	X	207.56	72
54	MP8	Z	-359.51	72
55	MP9	X	207.56	0
56	MP9	Z	-359.51	0
57	MP9	X	207.56	72

Member Point Loads (BLC 13 : Wind Load AZI 330) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
58	MP9	Z	-359.51	72
59	MP8	X	43.44	48
60	MP8	Z	-75.24	48
61	MP9	X	47.47	48
62	MP9	Z	-82.23	48
63	MP9	X	48.3	48
64	MP9	Z	-83.66	48
65	RP3	X	71.97	12
66	RP3	Z	-124.66	12

Member Point Loads (BLC 16 : Ice Weight)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	Y	-55.365	0
2	MP1	Y	-55.365	54
3	MP1	Y	-28.272	60
4	MP2	Y	-156.544	0
5	MP2	Y	-156.544	72
6	MP3	Y	-156.544	0
7	MP3	Y	-156.544	72
8	MP2	Y	-54.831	48
9	MP3	Y	-63.316	48
10	MP3	Y	-69.544	48
11	RP1	Y	-93.549	12
12	MP4	Y	-55.365	0
13	MP4	Y	-55.365	54
14	MP4	Y	-28.272	60
15	MP5	Y	-156.544	0
16	MP5	Y	-156.544	72
17	MP6	Y	-156.544	0
18	MP6	Y	-156.544	72
19	MP5	Y	-54.831	48
20	MP6	Y	-63.316	48
21	MP6	Y	-69.544	48
22	RP2	Y	-93.549	12
23	MP7	Y	-55.365	0
24	MP7	Y	-55.365	54
25	MP7	Y	-28.272	60
26	MP8	Y	-156.544	0
27	MP8	Y	-156.544	72
28	MP9	Y	-156.544	0
29	MP9	Y	-156.544	72
30	MP8	Y	-54.831	48
31	MP9	Y	-63.316	48
32	MP9	Y	-69.544	48
33	RP3	Y	-93.549	12

Member Point Loads (BLC 17 : Ice Wind Load AZI 0)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	0
2	MP1	Z	-11.98	0
3	MP1	X	0	54
4	MP1	Z	-11.98	54
5	MP1	X	0	60
6	MP1	Z	-5.49	60
7	MP2	X	0	0
8	MP2	Z	-32.57	0

Member Point Loads (BLC 17 : Ice Wind Load AZI 0) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
9	MP2	X	0	72
10	MP2	Z	-32.57	72
11	MP3	X	0	0
12	MP3	Z	-32.57	0
13	MP3	X	0	72
14	MP3	Z	-32.57	72
15	MP2	X	0	48
16	MP2	Z	-8.24	48
17	MP3	X	0	48
18	MP3	Z	-8.77	48
19	MP3	X	0	48
20	MP3	Z	-8.77	48
21	RP1	X	0	12
22	RP1	Z	-13.23	12
23	MP4	X	0	0
24	MP4	Z	-10.22	0
25	MP4	X	0	54
26	MP4	Z	-10.22	54
27	MP4	X	0	60
28	MP4	Z	-5.2	60
29	MP5	X	0	0
30	MP5	Z	-23.2	0
31	MP5	X	0	72
32	MP5	Z	-23.2	72
33	MP6	X	0	0
34	MP6	Z	-23.2	0
35	MP6	X	0	72
36	MP6	Z	-23.2	72
37	MP5	X	0	48
38	MP5	Z	-6.97	48
39	MP6	X	0	48
40	MP6	Z	-7.9	48
41	MP6	X	0	48
42	MP6	Z	-8.34	48
43	RP2	X	0	12
44	RP2	Z	-13.23	12
45	MP7	X	0	0
46	MP7	Z	-10.6	0
47	MP7	X	0	54
48	MP7	Z	-10.6	54
49	MP7	X	0	60
50	MP7	Z	-5.26	60
51	MP8	X	0	0
52	MP8	Z	-25.24	0
53	MP8	X	0	72
54	MP8	Z	-25.24	72
55	MP9	X	0	0
56	MP9	Z	-25.24	0
57	MP9	X	0	72
58	MP9	Z	-25.24	72
59	MP8	X	0	48
60	MP8	Z	-7.25	48
61	MP9	X	0	48
62	MP9	Z	-8.09	48
63	MP9	X	0	48
64	MP9	Z	-8.43	48
65	RP3	X	0	12

Member Point Loads (BLC 17 : Ice Wind Load AZI 0) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
66	RP3	Z	-13.23	12

Member Point Loads (BLC 18 : Ice Wind Load AZI 30)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-5.7	0
2	MP1	Z	-9.87	0
3	MP1	X	-5.7	54
4	MP1	Z	-9.87	54
5	MP1	X	-2.7	60
6	MP1	Z	-4.67	60
7	MP2	X	-14.72	0
8	MP2	Z	-25.5	0
9	MP2	X	-14.72	72
10	MP2	Z	-25.5	72
11	MP3	X	-14.72	0
12	MP3	Z	-25.5	0
13	MP3	X	-14.72	72
14	MP3	Z	-25.5	72
15	MP2	X	-3.91	48
16	MP2	Z	-6.77	48
17	MP3	X	-4.24	48
18	MP3	Z	-7.34	48
19	MP3	X	-4.31	48
20	MP3	Z	-7.47	48
21	RP1	X	-6.62	12
22	RP1	Z	-11.46	12
23	MP4	X	-5.7	0
24	MP4	Z	-9.87	0
25	MP4	X	-5.7	54
26	MP4	Z	-9.87	54
27	MP4	X	-2.7	60
28	MP4	Z	-4.67	60
29	MP5	X	-14.72	0
30	MP5	Z	-25.5	0
31	MP5	X	-14.72	72
32	MP5	Z	-25.5	72
33	MP6	X	-14.72	0
34	MP6	Z	-25.5	0
35	MP6	X	-14.72	72
36	MP6	Z	-25.5	72
37	MP5	X	-3.91	48
38	MP5	Z	-6.77	48
39	MP6	X	-4.24	48
40	MP6	Z	-7.34	48
41	MP6	X	-4.31	48
42	MP6	Z	-7.47	48
43	RP2	X	-6.62	12
44	RP2	Z	-11.46	12
45	MP7	X	-4.85	0
46	MP7	Z	-8.4	0
47	MP7	X	-4.85	54
48	MP7	Z	-8.4	54
49	MP7	X	-2.56	60
50	MP7	Z	-4.43	60
51	MP8	X	-10.23	0
52	MP8	Z	-17.72	0

Member Point Loads (BLC 18 : Ice Wind Load AZI 30) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
53	MP8	X	-10.23	72
54	MP8	Z	-17.72	72
55	MP9	X	-10.23	0
56	MP9	Z	-17.72	0
57	MP9	X	-10.23	72
58	MP9	Z	-17.72	72
59	MP8	X	-3.3	48
60	MP8	Z	-5.72	48
61	MP9	X	-3.83	48
62	MP9	Z	-6.63	48
63	MP9	X	-4.11	48
64	MP9	Z	-7.11	48
65	RP3	X	-6.62	12
66	RP3	Z	-11.46	12

Member Point Loads (BLC 19 : Ice Wind Load AZI 60)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-8.85	0
2	MP1	Z	-5.11	0
3	MP1	X	-8.85	54
4	MP1	Z	-5.11	54
5	MP1	X	-4.5	60
6	MP1	Z	-2.6	60
7	MP2	X	-20.09	0
8	MP2	Z	-11.6	0
9	MP2	X	-20.09	72
10	MP2	Z	-11.6	72
11	MP3	X	-20.09	0
12	MP3	Z	-11.6	0
13	MP3	X	-20.09	72
14	MP3	Z	-11.6	72
15	MP2	X	-6.04	48
16	MP2	Z	-3.49	48
17	MP3	X	-6.85	48
18	MP3	Z	-3.95	48
19	MP3	X	-7.22	48
20	MP3	Z	-4.17	48
21	RP1	X	-11.46	12
22	RP1	Z	-6.62	12
23	MP4	X	-10.38	0
24	MP4	Z	-5.99	0
25	MP4	X	-10.38	54
26	MP4	Z	-5.99	54
27	MP4	X	-4.76	60
28	MP4	Z	-2.75	60
29	MP5	X	-28.21	0
30	MP5	Z	-16.29	0
31	MP5	X	-28.21	72
32	MP5	Z	-16.29	72
33	MP6	X	-28.21	0
34	MP6	Z	-16.29	0
35	MP6	X	-28.21	72
36	MP6	Z	-16.29	72
37	MP5	X	-7.14	48
38	MP5	Z	-4.12	48
39	MP6	X	-7.59	48

Member Point Loads (BLC 19 : Ice Wind Load AZI 60) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
40	MP6	Z	-4.38	48
41	MP6	X	-7.59	48
42	MP6	Z	-4.38	48
43	RP2	X	-11.46	12
44	RP2	Z	-6.62	12
45	MP7	X	-8.58	0
46	MP7	Z	-4.95	0
47	MP7	X	-8.58	54
48	MP7	Z	-4.95	54
49	MP7	X	-4.46	60
50	MP7	Z	-2.57	60
51	MP8	X	-18.66	0
52	MP8	Z	-10.77	0
53	MP8	X	-18.66	72
54	MP8	Z	-10.77	72
55	MP9	X	-18.66	0
56	MP9	Z	-10.77	0
57	MP9	X	-18.66	72
58	MP9	Z	-10.77	72
59	MP8	X	-5.85	48
60	MP8	Z	-3.38	48
61	MP9	X	-6.71	48
62	MP9	Z	-3.88	48
63	MP9	X	-7.16	48
64	MP9	Z	-4.13	48
65	RP3	X	-11.46	12
66	RP3	Z	-6.62	12

Member Point Loads (BLC 20 : Ice Wind Load AZI 90)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-9.63	0
2	MP1	Z	0	0
3	MP1	X	-9.63	54
4	MP1	Z	0	54
5	MP1	X	-5.1	60
6	MP1	Z	0	60
7	MP2	X	-20.08	0
8	MP2	Z	0	0
9	MP2	X	-20.08	72
10	MP2	Z	0	72
11	MP3	X	-20.08	0
12	MP3	Z	0	0
13	MP3	X	-20.08	72
14	MP3	Z	0	72
15	MP2	X	-6.55	48
16	MP2	Z	0	48
17	MP3	X	-7.62	48
18	MP3	Z	0	48
19	MP3	X	-8.2	48
20	MP3	Z	0	48
21	RP1	X	-13.23	12
22	RP1	Z	0	12
23	MP4	X	-11.4	0
24	MP4	Z	0	0
25	MP4	X	-11.4	54
26	MP4	Z	0	54

Member Point Loads (BLC 20 : Ice Wind Load AZI 90) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
27	MP4	X	-5.39	60
28	MP4	Z	0	60
29	MP5	X	-29.45	0
30	MP5	Z	0	0
31	MP5	X	-29.45	72
32	MP5	Z	0	72
33	MP6	X	-29.45	0
34	MP6	Z	0	0
35	MP6	X	-29.45	72
36	MP6	Z	0	72
37	MP5	X	-7.82	48
38	MP5	Z	0	48
39	MP6	X	-8.48	48
40	MP6	Z	0	48
41	MP6	X	-8.63	48
42	MP6	Z	0	48
43	RP2	X	-13.23	12
44	RP2	Z	0	12
45	MP7	X	-11.01	0
46	MP7	Z	0	0
47	MP7	X	-11.01	54
48	MP7	Z	0	54
49	MP7	X	-5.33	60
50	MP7	Z	0	60
51	MP8	X	-27.41	0
52	MP8	Z	0	0
53	MP8	X	-27.41	72
54	MP8	Z	0	72
55	MP9	X	-27.41	0
56	MP9	Z	0	0
57	MP9	X	-27.41	72
58	MP9	Z	0	72
59	MP8	X	-7.54	48
60	MP8	Z	0	48
61	MP9	X	-8.29	48
62	MP9	Z	0	48
63	MP9	X	-8.53	48
64	MP9	Z	0	48
65	RP3	X	-13.23	12
66	RP3	Z	0	12

Member Point Loads (BLC 21 : Ice Wind Load AZI 120)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-8.85	0
2	MP1	Z	5.11	0
3	MP1	X	-8.85	54
4	MP1	Z	5.11	54
5	MP1	X	-4.5	60
6	MP1	Z	2.6	60
7	MP2	X	-20.09	0
8	MP2	Z	11.6	0
9	MP2	X	-20.09	72
10	MP2	Z	11.6	72
11	MP3	X	-20.09	0
12	MP3	Z	11.6	0
13	MP3	X	-20.09	72

Member Point Loads (BLC 21 : Ice Wind Load AZI 120) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
14	MP3	Z	11.6	72
15	MP2	X	-6.04	48
16	MP2	Z	3.49	48
17	MP3	X	-6.85	48
18	MP3	Z	3.95	48
19	MP3	X	-7.22	48
20	MP3	Z	4.17	48
21	RP1	X	-11.46	12
22	RP1	Z	6.62	12
23	MP4	X	-8.85	0
24	MP4	Z	5.11	0
25	MP4	X	-8.85	54
26	MP4	Z	5.11	54
27	MP4	X	-4.5	60
28	MP4	Z	2.6	60
29	MP5	X	-20.09	0
30	MP5	Z	11.6	0
31	MP5	X	-20.09	72
32	MP5	Z	11.6	72
33	MP6	X	-20.09	0
34	MP6	Z	11.6	0
35	MP6	X	-20.09	72
36	MP6	Z	11.6	72
37	MP5	X	-6.04	48
38	MP5	Z	3.49	48
39	MP6	X	-6.85	48
40	MP6	Z	3.95	48
41	MP6	X	-7.22	48
42	MP6	Z	4.17	48
43	RP2	X	-11.46	12
44	RP2	Z	6.62	12
45	MP7	X	-10.32	0
46	MP7	Z	5.96	0
47	MP7	X	-10.32	54
48	MP7	Z	5.96	54
49	MP7	X	-4.75	60
50	MP7	Z	2.74	60
51	MP8	X	-27.88	0
52	MP8	Z	16.1	0
53	MP8	X	-27.88	72
54	MP8	Z	16.1	72
55	MP9	X	-27.88	0
56	MP9	Z	16.1	0
57	MP9	X	-27.88	72
58	MP9	Z	16.1	72
59	MP8	X	-7.09	48
60	MP8	Z	4.1	48
61	MP9	X	-7.56	48
62	MP9	Z	4.37	48
63	MP9	X	-7.58	48
64	MP9	Z	4.38	48
65	RP3	X	-11.46	12
66	RP3	Z	6.62	12

Member Point Loads (BLC 22 : Ice Wind Load AZI 150)

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

Member Point Loads (BLC 22 : Ice Wind Load AZI 150) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-5.7	0
2	MP1	Z	9.87	0
3	MP1	X	-5.7	54
4	MP1	Z	9.87	54
5	MP1	X	-2.7	60
6	MP1	Z	4.67	60
7	MP2	X	-14.72	0
8	MP2	Z	25.5	0
9	MP2	X	-14.72	72
10	MP2	Z	25.5	72
11	MP3	X	-14.72	0
12	MP3	Z	25.5	0
13	MP3	X	-14.72	72
14	MP3	Z	25.5	72
15	MP2	X	-3.91	48
16	MP2	Z	6.77	48
17	MP3	X	-4.24	48
18	MP3	Z	7.34	48
19	MP3	X	-4.31	48
20	MP3	Z	7.47	48
21	RP1	X	-6.62	12
22	RP1	Z	11.46	12
23	MP4	X	-4.81	0
24	MP4	Z	8.34	0
25	MP4	X	-4.81	54
26	MP4	Z	8.34	54
27	MP4	X	-2.55	60
28	MP4	Z	4.42	60
29	MP5	X	-10.04	0
30	MP5	Z	17.39	0
31	MP5	X	-10.04	72
32	MP5	Z	17.39	72
33	MP6	X	-10.04	0
34	MP6	Z	17.39	0
35	MP6	X	-10.04	72
36	MP6	Z	17.39	72
37	MP5	X	-3.28	48
38	MP5	Z	5.67	48
39	MP6	X	-3.81	48
40	MP6	Z	6.6	48
41	MP6	X	-4.1	48
42	MP6	Z	7.1	48
43	RP2	X	-6.62	12
44	RP2	Z	11.46	12
45	MP7	X	-5.85	0
46	MP7	Z	10.14	0
47	MP7	X	-5.85	54
48	MP7	Z	10.14	54
49	MP7	X	-2.72	60
50	MP7	Z	4.72	60
51	MP8	X	-15.56	0
52	MP8	Z	26.94	0
53	MP8	X	-15.56	72
54	MP8	Z	26.94	72
55	MP9	X	-15.56	0
56	MP9	Z	26.94	0
57	MP9	X	-15.56	72

Member Point Loads (BLC 22 : Ice Wind Load AZI 150) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
58	MP9	Z	26.94	72
59	MP8	X	-4.02	48
60	MP8	Z	6.97	48
61	MP9	X	-4.32	48
62	MP9	Z	7.48	48
63	MP9	X	-4.35	48
64	MP9	Z	7.54	48
65	RP3	X	-6.62	12
66	RP3	Z	11.46	12

Member Point Loads (BLC 23 : Ice Wind Load AZI 180)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	0
2	MP1	Z	11.98	0
3	MP1	X	0	54
4	MP1	Z	11.98	54
5	MP1	X	0	60
6	MP1	Z	5.49	60
7	MP2	X	0	0
8	MP2	Z	32.57	0
9	MP2	X	0	72
10	MP2	Z	32.57	72
11	MP3	X	0	0
12	MP3	Z	32.57	0
13	MP3	X	0	72
14	MP3	Z	32.57	72
15	MP2	X	0	48
16	MP2	Z	8.24	48
17	MP3	X	0	48
18	MP3	Z	8.77	48
19	MP3	X	0	48
20	MP3	Z	8.77	48
21	RP1	X	0	12
22	RP1	Z	13.23	12
23	MP4	X	0	0
24	MP4	Z	10.22	0
25	MP4	X	0	54
26	MP4	Z	10.22	54
27	MP4	X	0	60
28	MP4	Z	5.2	60
29	MP5	X	0	0
30	MP5	Z	23.2	0
31	MP5	X	0	72
32	MP5	Z	23.2	72
33	MP6	X	0	0
34	MP6	Z	23.2	0
35	MP6	X	0	72
36	MP6	Z	23.2	72
37	MP5	X	0	48
38	MP5	Z	6.97	48
39	MP6	X	0	48
40	MP6	Z	7.9	48
41	MP6	X	0	48
42	MP6	Z	8.34	48
43	RP2	X	0	12
44	RP2	Z	13.23	12

Member Point Loads (BLC 23 : Ice Wind Load AZI 180) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
45	MP7	X	0	0
46	MP7	Z	10.6	0
47	MP7	X	0	54
48	MP7	Z	10.6	54
49	MP7	X	0	60
50	MP7	Z	5.26	60
51	MP8	X	0	0
52	MP8	Z	25.24	0
53	MP8	X	0	72
54	MP8	Z	25.24	72
55	MP9	X	0	0
56	MP9	Z	25.24	0
57	MP9	X	0	72
58	MP9	Z	25.24	72
59	MP8	X	0	48
60	MP8	Z	7.25	48
61	MP9	X	0	48
62	MP9	Z	8.09	48
63	MP9	X	0	48
64	MP9	Z	8.43	48
65	RP3	X	0	12
66	RP3	Z	13.23	12

Member Point Loads (BLC 24 : Ice Wind Load AZI 210)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	5.7	0
2	MP1	Z	9.87	0
3	MP1	X	5.7	54
4	MP1	Z	9.87	54
5	MP1	X	2.7	60
6	MP1	Z	4.67	60
7	MP2	X	14.72	0
8	MP2	Z	25.5	0
9	MP2	X	14.72	72
10	MP2	Z	25.5	72
11	MP3	X	14.72	0
12	MP3	Z	25.5	0
13	MP3	X	14.72	72
14	MP3	Z	25.5	72
15	MP2	X	3.91	48
16	MP2	Z	6.77	48
17	MP3	X	4.24	48
18	MP3	Z	7.34	48
19	MP3	X	4.31	48
20	MP3	Z	7.47	48
21	RP1	X	6.62	12
22	RP1	Z	11.46	12
23	MP4	X	5.7	0
24	MP4	Z	9.87	0
25	MP4	X	5.7	54
26	MP4	Z	9.87	54
27	MP4	X	2.7	60
28	MP4	Z	4.67	60
29	MP5	X	14.72	0
30	MP5	Z	25.5	0
31	MP5	X	14.72	72

Member Point Loads (BLC 24 : Ice Wind Load AZI 210) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
32	MP5	Z	25.5	72
33	MP6	X	14.72	0
34	MP6	Z	25.5	0
35	MP6	X	14.72	72
36	MP6	Z	25.5	72
37	MP5	X	3.91	48
38	MP5	Z	6.77	48
39	MP6	X	4.24	48
40	MP6	Z	7.34	48
41	MP6	X	4.31	48
42	MP6	Z	7.47	48
43	RP2	X	6.62	12
44	RP2	Z	11.46	12
45	MP7	X	4.85	0
46	MP7	Z	8.4	0
47	MP7	X	4.85	54
48	MP7	Z	8.4	54
49	MP7	X	2.56	60
50	MP7	Z	4.43	60
51	MP8	X	10.23	0
52	MP8	Z	17.72	0
53	MP8	X	10.23	72
54	MP8	Z	17.72	72
55	MP9	X	10.23	0
56	MP9	Z	17.72	0
57	MP9	X	10.23	72
58	MP9	Z	17.72	72
59	MP8	X	3.3	48
60	MP8	Z	5.72	48
61	MP9	X	3.83	48
62	MP9	Z	6.63	48
63	MP9	X	4.11	48
64	MP9	Z	7.11	48
65	RP3	X	6.62	12
66	RP3	Z	11.46	12

Member Point Loads (BLC 25 : Ice Wind Load AZI 240)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	8.85	0
2	MP1	Z	5.11	0
3	MP1	X	8.85	54
4	MP1	Z	5.11	54
5	MP1	X	4.5	60
6	MP1	Z	2.6	60
7	MP2	X	20.09	0
8	MP2	Z	11.6	0
9	MP2	X	20.09	72
10	MP2	Z	11.6	72
11	MP3	X	20.09	0
12	MP3	Z	11.6	0
13	MP3	X	20.09	72
14	MP3	Z	11.6	72
15	MP2	X	6.04	48
16	MP2	Z	3.49	48
17	MP3	X	6.85	48
18	MP3	Z	3.95	48

Member Point Loads (BLC 25 : Ice Wind Load AZI 240) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
19	MP3	X	7.22	48
20	MP3	Z	4.17	48
21	RP1	X	11.46	12
22	RP1	Z	6.62	12
23	MP4	X	10.38	0
24	MP4	Z	5.99	0
25	MP4	X	10.38	54
26	MP4	Z	5.99	54
27	MP4	X	4.76	60
28	MP4	Z	2.75	60
29	MP5	X	28.21	0
30	MP5	Z	16.29	0
31	MP5	X	28.21	72
32	MP5	Z	16.29	72
33	MP6	X	28.21	0
34	MP6	Z	16.29	0
35	MP6	X	28.21	72
36	MP6	Z	16.29	72
37	MP5	X	7.14	48
38	MP5	Z	4.12	48
39	MP6	X	7.59	48
40	MP6	Z	4.38	48
41	MP6	X	7.59	48
42	MP6	Z	4.38	48
43	RP2	X	11.46	12
44	RP2	Z	6.62	12
45	MP7	X	8.58	0
46	MP7	Z	4.95	0
47	MP7	X	8.58	54
48	MP7	Z	4.95	54
49	MP7	X	4.46	60
50	MP7	Z	2.57	60
51	MP8	X	18.66	0
52	MP8	Z	10.77	0
53	MP8	X	18.66	72
54	MP8	Z	10.77	72
55	MP9	X	18.66	0
56	MP9	Z	10.77	0
57	MP9	X	18.66	72
58	MP9	Z	10.77	72
59	MP8	X	5.85	48
60	MP8	Z	3.38	48
61	MP9	X	6.71	48
62	MP9	Z	3.88	48
63	MP9	X	7.16	48
64	MP9	Z	4.13	48
65	RP3	X	11.46	12
66	RP3	Z	6.62	12

Member Point Loads (BLC 26 : Ice Wind Load AZI 270)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	9.63	0
2	MP1	Z	0	0
3	MP1	X	9.63	54
4	MP1	Z	0	54
5	MP1	X	5.1	60

Member Point Loads (BLC 26 : Ice Wind Load AZI 270) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
6	MP1	Z	0	60
7	MP2	X	20.08	0
8	MP2	Z	0	0
9	MP2	X	20.08	72
10	MP2	Z	0	72
11	MP3	X	20.08	0
12	MP3	Z	0	0
13	MP3	X	20.08	72
14	MP3	Z	0	72
15	MP2	X	6.55	48
16	MP2	Z	0	48
17	MP3	X	7.62	48
18	MP3	Z	0	48
19	MP3	X	8.2	48
20	MP3	Z	0	48
21	RP1	X	13.23	12
22	RP1	Z	0	12
23	MP4	X	11.4	0
24	MP4	Z	0	0
25	MP4	X	11.4	54
26	MP4	Z	0	54
27	MP4	X	5.39	60
28	MP4	Z	0	60
29	MP5	X	29.45	0
30	MP5	Z	0	0
31	MP5	X	29.45	72
32	MP5	Z	0	72
33	MP6	X	29.45	0
34	MP6	Z	0	0
35	MP6	X	29.45	72
36	MP6	Z	0	72
37	MP5	X	7.82	48
38	MP5	Z	0	48
39	MP6	X	8.48	48
40	MP6	Z	0	48
41	MP6	X	8.63	48
42	MP6	Z	0	48
43	RP2	X	13.23	12
44	RP2	Z	0	12
45	MP7	X	11.01	0
46	MP7	Z	0	0
47	MP7	X	11.01	54
48	MP7	Z	0	54
49	MP7	X	5.33	60
50	MP7	Z	0	60
51	MP8	X	27.41	0
52	MP8	Z	0	0
53	MP8	X	27.41	72
54	MP8	Z	0	72
55	MP9	X	27.41	0
56	MP9	Z	0	0
57	MP9	X	27.41	72
58	MP9	Z	0	72
59	MP8	X	7.54	48
60	MP8	Z	0	48
61	MP9	X	8.29	48
62	MP9	Z	0	48

Member Point Loads (BLC 26 : Ice Wind Load AZI 270) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
63	MP9	X	8.53	48
64	MP9	Z	0	48
65	RP3	X	13.23	12
66	RP3	Z	0	12

Member Point Loads (BLC 27 : Ice Wind Load AZI 300)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	8.85	0
2	MP1	Z	-5.11	0
3	MP1	X	8.85	54
4	MP1	Z	-5.11	54
5	MP1	X	4.5	60
6	MP1	Z	-2.6	60
7	MP2	X	20.09	0
8	MP2	Z	-11.6	0
9	MP2	X	20.09	72
10	MP2	Z	-11.6	72
11	MP3	X	20.09	0
12	MP3	Z	-11.6	0
13	MP3	X	20.09	72
14	MP3	Z	-11.6	72
15	MP2	X	6.04	48
16	MP2	Z	-3.49	48
17	MP3	X	6.85	48
18	MP3	Z	-3.95	48
19	MP3	X	7.22	48
20	MP3	Z	-4.17	48
21	RP1	X	11.46	12
22	RP1	Z	-6.62	12
23	MP4	X	8.85	0
24	MP4	Z	-5.11	0
25	MP4	X	8.85	54
26	MP4	Z	-5.11	54
27	MP4	X	4.5	60
28	MP4	Z	-2.6	60
29	MP5	X	20.09	0
30	MP5	Z	-11.6	0
31	MP5	X	20.09	72
32	MP5	Z	-11.6	72
33	MP6	X	20.09	0
34	MP6	Z	-11.6	0
35	MP6	X	20.09	72
36	MP6	Z	-11.6	72
37	MP5	X	6.04	48
38	MP5	Z	-3.49	48
39	MP6	X	6.85	48
40	MP6	Z	-3.95	48
41	MP6	X	7.22	48
42	MP6	Z	-4.17	48
43	RP2	X	11.46	12
44	RP2	Z	-6.62	12
45	MP7	X	10.32	0
46	MP7	Z	-5.96	0
47	MP7	X	10.32	54
48	MP7	Z	-5.96	54
49	MP7	X	4.75	60

Member Point Loads (BLC 27 : Ice Wind Load AZI 300) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
50	MP7	Z	-2.74	60
51	MP8	X	27.88	0
52	MP8	Z	-16.1	0
53	MP8	X	27.88	72
54	MP8	Z	-16.1	72
55	MP9	X	27.88	0
56	MP9	Z	-16.1	0
57	MP9	X	27.88	72
58	MP9	Z	-16.1	72
59	MP8	X	7.09	48
60	MP8	Z	-4.1	48
61	MP9	X	7.56	48
62	MP9	Z	-4.37	48
63	MP9	X	7.58	48
64	MP9	Z	-4.38	48
65	RP3	X	11.46	12
66	RP3	Z	-6.62	12

Member Point Loads (BLC 28 : Ice Wind Load AZI 330)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	5.7	0
2	MP1	Z	-9.87	0
3	MP1	X	5.7	54
4	MP1	Z	-9.87	54
5	MP1	X	2.7	60
6	MP1	Z	-4.67	60
7	MP2	X	14.72	0
8	MP2	Z	-25.5	0
9	MP2	X	14.72	72
10	MP2	Z	-25.5	72
11	MP3	X	14.72	0
12	MP3	Z	-25.5	0
13	MP3	X	14.72	72
14	MP3	Z	-25.5	72
15	MP2	X	3.91	48
16	MP2	Z	-6.77	48
17	MP3	X	4.24	48
18	MP3	Z	-7.34	48
19	MP3	X	4.31	48
20	MP3	Z	-7.47	48
21	RP1	X	6.62	12
22	RP1	Z	-11.46	12
23	MP4	X	4.81	0
24	MP4	Z	-8.34	0
25	MP4	X	4.81	54
26	MP4	Z	-8.34	54
27	MP4	X	2.55	60
28	MP4	Z	-4.42	60
29	MP5	X	10.04	0
30	MP5	Z	-17.39	0
31	MP5	X	10.04	72
32	MP5	Z	-17.39	72
33	MP6	X	10.04	0
34	MP6	Z	-17.39	0
35	MP6	X	10.04	72
36	MP6	Z	-17.39	72

Member Point Loads (BLC 28 : Ice Wind Load AZI 330) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
37	MP5	X	3.28	48
38	MP5	Z	-5.67	48
39	MP6	X	3.81	48
40	MP6	Z	-6.6	48
41	MP6	X	4.1	48
42	MP6	Z	-7.1	48
43	RP2	X	6.62	12
44	RP2	Z	-11.46	12
45	MP7	X	5.85	0
46	MP7	Z	-10.14	0
47	MP7	X	5.85	54
48	MP7	Z	-10.14	54
49	MP7	X	2.72	60
50	MP7	Z	-4.72	60
51	MP8	X	15.56	0
52	MP8	Z	-26.94	0
53	MP8	X	15.56	72
54	MP8	Z	-26.94	72
55	MP9	X	15.56	0
56	MP9	Z	-26.94	0
57	MP9	X	15.56	72
58	MP9	Z	-26.94	72
59	MP8	X	4.02	48
60	MP8	Z	-6.97	48
61	MP9	X	4.32	48
62	MP9	Z	-7.48	48
63	MP9	X	4.35	48
64	MP9	Z	-7.54	48
65	RP3	X	6.62	12
66	RP3	Z	-11.46	12

Member Point Loads (BLC 31 : Seismic Load Z)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	Z	-1.615	0
2	MP1	Z	-1.615	54
3	MP1	Z	-2.03	60
4	MP2	Z	-4.415	0
5	MP2	Z	-4.415	72
6	MP3	Z	-4.415	0
7	MP3	Z	-4.415	72
8	MP2	Z	-5.527	48
9	MP3	Z	-6.459	48
10	MP3	Z	-6.92	48
11	RP1	Z	-3.026	12
12	MP4	Z	-1.615	0
13	MP4	Z	-1.615	54
14	MP4	Z	-2.03	60
15	MP5	Z	-4.415	0
16	MP5	Z	-4.415	72
17	MP6	Z	-4.415	0
18	MP6	Z	-4.415	72
19	MP5	Z	-5.527	48
20	MP6	Z	-6.459	48
21	MP6	Z	-6.92	48
22	RP2	Z	-3.026	12
23	MP7	Z	-1.615	0

Member Point Loads (BLC 31 : Seismic Load Z) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
24	MP7	Z	-1.615	54
25	MP7	Z	-2.03	60
26	MP8	Z	-4.415	0
27	MP8	Z	-4.415	72
28	MP9	Z	-4.415	0
29	MP9	Z	-4.415	72
30	MP8	Z	-5.527	48
31	MP9	Z	-6.459	48
32	MP9	Z	-6.92	48
33	RP3	Z	-3.026	12

Member Point Loads (BLC 32 : Seismic Load X)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-1.615	0
2	MP1	X	-1.615	54
3	MP1	X	-2.03	60
4	MP2	X	-4.415	0
5	MP2	X	-4.415	72
6	MP3	X	-4.415	0
7	MP3	X	-4.415	72
8	MP2	X	-5.527	48
9	MP3	X	-6.459	48
10	MP3	X	-6.92	48
11	RP1	X	-3.026	12
12	MP4	X	-1.615	0
13	MP4	X	-1.615	54
14	MP4	X	-2.03	60
15	MP5	X	-4.415	0
16	MP5	X	-4.415	72
17	MP6	X	-4.415	0
18	MP6	X	-4.415	72
19	MP5	X	-5.527	48
20	MP6	X	-6.459	48
21	MP6	X	-6.92	48
22	RP2	X	-3.026	12
23	MP7	X	-1.615	0
24	MP7	X	-1.615	54
25	MP7	X	-2.03	60
26	MP8	X	-4.415	0
27	MP8	X	-4.415	72
28	MP9	X	-4.415	0
29	MP9	X	-4.415	72
30	MP8	X	-5.527	48
31	MP9	X	-6.459	48
32	MP9	X	-6.92	48
33	RP3	X	-3.026	12

Member Distributed Loads (BLC 14 : Distr. Wind Load Z)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	GS101	SZ	-110.275	-110.275	0	%100
2	GS102	SZ	-110.275	-110.275	0	%100
3	GS111	SZ	-110.275	-110.275	0	%100
4	GS112	SZ	-110.275	-110.275	0	%100
5	GS113	SZ	-110.275	-110.275	0	%100
6	GS114	SZ	-110.275	-110.275	0	%100

Member Distributed Loads (BLC 14 : Distr. Wind Load Z) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
7	GS127	SZ	-110.275	-110.275	0	%100
8	GS128	SZ	-110.275	-110.275	0	%100
9	GS129	SZ	-110.275	-110.275	0	%100
10	GS130	SZ	-110.275	-110.275	0	%100
11	GS131	SZ	-110.275	-110.275	0	%100
12	GS132	SZ	-110.275	-110.275	0	%100
13	H1	SZ	-66.165	-66.165	0	%100
14	H2	SZ	-66.165	-66.165	0	%100
15	H3	SZ	-66.165	-66.165	0	%100
16	H4	SZ	-66.165	-66.165	0	%100
17	H5	SZ	-66.165	-66.165	0	%100
18	H6	SZ	-66.165	-66.165	0	%100
19	H7	SZ	-66.165	-66.165	0	%100
20	H8	SZ	-66.165	-66.165	0	%100
21	H9	SZ	-66.165	-66.165	0	%100
22	HP28	SZ	-110.275	-110.275	0	%100
23	HP29	SZ	-110.275	-110.275	0	%100
24	HP30	SZ	-110.275	-110.275	0	%100
25	MP1	SZ	-66.165	-66.165	0	%100
26	MP2	SZ	-66.165	-66.165	0	%100
27	MP3	SZ	-66.165	-66.165	0	%100
28	R47	SZ	0	0	0	%100
29	R49	SZ	0	0	0	%100
30	R51	SZ	0	0	0	%100
31	R75	SZ	0	0	0	%100
32	R76	SZ	0	0	0	%100
33	R77	SZ	0	0	0	%100
34	R81	SZ	0	0	0	%100
35	R82	SZ	0	0	0	%100
36	R83	SZ	0	0	0	%100
37	R84	SZ	0	0	0	%100
38	R85	SZ	0	0	0	%100
39	R86	SZ	0	0	0	%100
40	R97	SZ	0	0	0	%100
41	R98	SZ	0	0	0	%100
42	R99	SZ	0	0	0	%100
43	R100	SZ	0	0	0	%100
44	R103	SZ	0	0	0	%100
45	R104	SZ	0	0	0	%100
46	R105	SZ	0	0	0	%100
47	R106	SZ	0	0	0	%100
48	R107	SZ	0	0	0	%100
49	R108	SZ	0	0	0	%100
50	R109	SZ	0	0	0	%100
51	R110	SZ	0	0	0	%100
52	R115	SZ	0	0	0	%100
53	R116	SZ	0	0	0	%100
54	R117	SZ	0	0	0	%100
55	R118	SZ	0	0	0	%100
56	R119	SZ	0	0	0	%100
57	R120	SZ	0	0	0	%100
58	R121	SZ	0	0	0	%100
59	R122	SZ	0	0	0	%100
60	R123	SZ	0	0	0	%100
61	R124	SZ	0	0	0	%100
62	R125	SZ	0	0	0	%100
63	R126	SZ	0	0	0	%100

Member Distributed Loads (BLC 14 : Distr. Wind Load Z) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
64	S82	SZ	-110.275	-110.275	0	%100
65	S83	SZ	-110.275	-110.275	0	%100
66	S87	SZ	-110.275	-110.275	0	%100
67	S88	SZ	-110.275	-110.275	0	%100
68	S89	SZ	-110.275	-110.275	0	%100
69	S90	SZ	-110.275	-110.275	0	%100
70	SB91	SZ	-110.275	-110.275	0	%100
71	SB92	SZ	-110.275	-110.275	0	%100
72	SB93	SZ	-110.275	-110.275	0	%100
73	SB94	SZ	-110.275	-110.275	0	%100
74	SB95	SZ	-110.275	-110.275	0	%100
75	SB96	SZ	-110.275	-110.275	0	%100
76	MP7	SZ	-66.165	-66.165	0	%100
77	MP8	SZ	-66.165	-66.165	0	%100
78	MP9	SZ	-66.165	-66.165	0	%100
79	R79	SZ	0	0	0	%100
80	R80	SZ	0	0	0	%100
81	R81A	SZ	0	0	0	%100
82	MP4	SZ	-66.165	-66.165	0	%100
83	MP5	SZ	-66.165	-66.165	0	%100
84	MP6	SZ	-66.165	-66.165	0	%100
85	R85A	SZ	0	0	0	%100
86	R86A	SZ	0	0	0	%100
87	R87	SZ	0	0	0	%100
88	RP3	SZ	-66.165	-66.165	0	%100
89	R89	SZ	0	0	0	%100
90	R90	SZ	0	0	0	%100
91	RP1	SZ	-66.165	-66.165	0	%100
92	R92	SZ	0	0	0	%100
93	R93	SZ	0	0	0	%100
94	RP2	SZ	-66.165	-66.165	0	%100
95	R95	SZ	0	0	0	%100
96	R96	SZ	0	0	0	%100

Member Distributed Loads (BLC 15 : Distr. Wind Load X)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	GS101	SX	-110.275	-110.275	0	%100
2	GS102	SX	-110.275	-110.275	0	%100
3	GS111	SX	-110.275	-110.275	0	%100
4	GS112	SX	-110.275	-110.275	0	%100
5	GS113	SX	-110.275	-110.275	0	%100
6	GS114	SX	-110.275	-110.275	0	%100
7	GS127	SX	-110.275	-110.275	0	%100
8	GS128	SX	-110.275	-110.275	0	%100
9	GS129	SX	-110.275	-110.275	0	%100
10	GS130	SX	-110.275	-110.275	0	%100
11	GS131	SX	-110.275	-110.275	0	%100
12	GS132	SX	-110.275	-110.275	0	%100
13	H1	SX	-66.165	-66.165	0	%100
14	H2	SX	-66.165	-66.165	0	%100
15	H3	SX	-66.165	-66.165	0	%100
16	H4	SX	-66.165	-66.165	0	%100
17	H5	SX	-66.165	-66.165	0	%100
18	H6	SX	-66.165	-66.165	0	%100
19	H7	SX	-66.165	-66.165	0	%100
20	H8	SX	-66.165	-66.165	0	%100

Member Distributed Loads (BLC 15 : Distr. Wind Load X) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
21	H9	SX	-66.165	-66.165	0	%100
22	HP28	SX	-110.275	-110.275	0	%100
23	HP29	SX	-110.275	-110.275	0	%100
24	HP30	SX	-110.275	-110.275	0	%100
25	MP1	SX	-66.165	-66.165	0	%100
26	MP2	SX	-66.165	-66.165	0	%100
27	MP3	SX	-66.165	-66.165	0	%100
28	R47	SX	0	0	0	%100
29	R49	SX	0	0	0	%100
30	R51	SX	0	0	0	%100
31	R75	SX	0	0	0	%100
32	R76	SX	0	0	0	%100
33	R77	SX	0	0	0	%100
34	R81	SX	0	0	0	%100
35	R82	SX	0	0	0	%100
36	R83	SX	0	0	0	%100
37	R84	SX	0	0	0	%100
38	R85	SX	0	0	0	%100
39	R86	SX	0	0	0	%100
40	R97	SX	0	0	0	%100
41	R98	SX	0	0	0	%100
42	R99	SX	0	0	0	%100
43	R100	SX	0	0	0	%100
44	R103	SX	0	0	0	%100
45	R104	SX	0	0	0	%100
46	R105	SX	0	0	0	%100
47	R106	SX	0	0	0	%100
48	R107	SX	0	0	0	%100
49	R108	SX	0	0	0	%100
50	R109	SX	0	0	0	%100
51	R110	SX	0	0	0	%100
52	R115	SX	0	0	0	%100
53	R116	SX	0	0	0	%100
54	R117	SX	0	0	0	%100
55	R118	SX	0	0	0	%100
56	R119	SX	0	0	0	%100
57	R120	SX	0	0	0	%100
58	R121	SX	0	0	0	%100
59	R122	SX	0	0	0	%100
60	R123	SX	0	0	0	%100
61	R124	SX	0	0	0	%100
62	R125	SX	0	0	0	%100
63	R126	SX	0	0	0	%100
64	S82	SX	-110.275	-110.275	0	%100
65	S83	SX	-110.275	-110.275	0	%100
66	S87	SX	-110.275	-110.275	0	%100
67	S88	SX	-110.275	-110.275	0	%100
68	S89	SX	-110.275	-110.275	0	%100
69	S90	SX	-110.275	-110.275	0	%100
70	SB91	SX	-110.275	-110.275	0	%100
71	SB92	SX	-110.275	-110.275	0	%100
72	SB93	SX	-110.275	-110.275	0	%100
73	SB94	SX	-110.275	-110.275	0	%100
74	SB95	SX	-110.275	-110.275	0	%100
75	SB96	SX	-110.275	-110.275	0	%100
76	MP7	SX	-66.165	-66.165	0	%100
77	MP8	SX	-66.165	-66.165	0	%100

Member Distributed Loads (BLC 15 : Distr. Wind Load X) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
78	MP9	SX	-66.165	-66.165	0	%100
79	R79	SX	0	0	0	%100
80	R80	SX	0	0	0	%100
81	R81A	SX	0	0	0	%100
82	MP4	SX	-66.165	-66.165	0	%100
83	MP5	SX	-66.165	-66.165	0	%100
84	MP6	SX	-66.165	-66.165	0	%100
85	R85A	SX	0	0	0	%100
86	R86A	SX	0	0	0	%100
87	R87	SX	0	0	0	%100
88	RP3	SX	-66.165	-66.165	0	%100
89	R89	SX	0	0	0	%100
90	R90	SX	0	0	0	%100
91	RP1	SX	-66.165	-66.165	0	%100
92	R92	SX	0	0	0	%100
93	R93	SX	0	0	0	%100
94	RP2	SX	-66.165	-66.165	0	%100
95	R95	SX	0	0	0	%100
96	R96	SX	0	0	0	%100

Member Distributed Loads (BLC 16 : Ice Weight)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	GS101	Y	-7.951	-7.951	0	%100
2	GS102	Y	-7.951	-7.951	0	%100
3	GS111	Y	-7.951	-7.951	0	%100
4	GS112	Y	-7.951	-7.951	0	%100
5	GS113	Y	-7.951	-7.951	0	%100
6	GS114	Y	-7.951	-7.951	0	%100
7	GS127	Y	-9.072	-9.072	0	%100
8	GS128	Y	-9.072	-9.072	0	%100
9	GS129	Y	-9.072	-9.072	0	%100
10	GS130	Y	-9.072	-9.072	0	%100
11	GS131	Y	-9.072	-9.072	0	%100
12	GS132	Y	-9.072	-9.072	0	%100
13	H1	Y	-9.008	-9.008	0	%100
14	H2	Y	-9.008	-9.008	0	%100
15	H3	Y	-9.008	-9.008	0	%100
16	H4	Y	-9.008	-9.008	0	%100
17	H5	Y	-9.008	-9.008	0	%100
18	H6	Y	-9.008	-9.008	0	%100
19	H7	Y	-9.008	-9.008	0	%100
20	H8	Y	-9.008	-9.008	0	%100
21	H9	Y	-9.008	-9.008	0	%100
22	HP28	Y	-13.589	-13.589	0	%100
23	HP29	Y	-13.589	-13.589	0	%100
24	HP30	Y	-13.589	-13.589	0	%100
25	MP1	Y	-6.973	-6.973	0	%100
26	MP2	Y	-6.973	-6.973	0	%100
27	MP3	Y	-6.973	-6.973	0	%100
28	R47	Y	-2.678	-2.678	0	%100
29	R49	Y	-2.678	-2.678	0	%100
30	R51	Y	-2.678	-2.678	0	%100
31	R75	Y	-2.678	-2.678	0	%100
32	R76	Y	-2.678	-2.678	0	%100
33	R77	Y	-2.678	-2.678	0	%100
34	R81	Y	-2.678	-2.678	0	%100

Member Distributed Loads (BLC 16 : Ice Weight) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
35	R82	Y	-2.678	-2.678	0	%100
36	R83	Y	-2.678	-2.678	0	%100
37	R84	Y	-2.678	-2.678	0	%100
38	R85	Y	-2.678	-2.678	0	%100
39	R86	Y	-2.678	-2.678	0	%100
40	R97	Y	-2.678	-2.678	0	%100
41	R98	Y	-2.678	-2.678	0	%100
42	R99	Y	-2.678	-2.678	0	%100
43	R100	Y	-2.678	-2.678	0	%100
44	R103	Y	-2.678	-2.678	0	%100
45	R104	Y	-2.678	-2.678	0	%100
46	R105	Y	-2.678	-2.678	0	%100
47	R106	Y	-2.678	-2.678	0	%100
48	R107	Y	-2.678	-2.678	0	%100
49	R108	Y	-2.678	-2.678	0	%100
50	R109	Y	-2.678	-2.678	0	%100
51	R110	Y	-2.678	-2.678	0	%100
52	R115	Y	-2.678	-2.678	0	%100
53	R116	Y	-2.678	-2.678	0	%100
54	R117	Y	-2.678	-2.678	0	%100
55	R118	Y	-2.678	-2.678	0	%100
56	R119	Y	-2.678	-2.678	0	%100
57	R120	Y	-2.678	-2.678	0	%100
58	R121	Y	-2.678	-2.678	0	%100
59	R122	Y	-2.678	-2.678	0	%100
60	R123	Y	-2.678	-2.678	0	%100
61	R124	Y	-2.678	-2.678	0	%100
62	R125	Y	-2.678	-2.678	0	%100
63	R126	Y	-2.678	-2.678	0	%100
64	S82	Y	-10.351	-10.351	0	%100
65	S83	Y	-10.351	-10.351	0	%100
66	S87	Y	-10.351	-10.351	0	%100
67	S88	Y	-10.351	-10.351	0	%100
68	S89	Y	-10.351	-10.351	0	%100
69	S90	Y	-10.351	-10.351	0	%100
70	SB91	Y	-7.951	-7.951	0	%100
71	SB92	Y	-7.951	-7.951	0	%100
72	SB93	Y	-7.951	-7.951	0	%100
73	SB94	Y	-7.951	-7.951	0	%100
74	SB95	Y	-7.951	-7.951	0	%100
75	SB96	Y	-7.951	-7.951	0	%100
76	MP7	Y	-6.973	-6.973	0	%100
77	MP8	Y	-6.973	-6.973	0	%100
78	MP9	Y	-6.973	-6.973	0	%100
79	R79	Y	-2.678	-2.678	0	%100
80	R80	Y	-2.678	-2.678	0	%100
81	R81A	Y	-2.678	-2.678	0	%100
82	MP4	Y	-6.973	-6.973	0	%100
83	MP5	Y	-6.973	-6.973	0	%100
84	MP6	Y	-6.973	-6.973	0	%100
85	R85A	Y	-2.678	-2.678	0	%100
86	R86A	Y	-2.678	-2.678	0	%100
87	R87	Y	-2.678	-2.678	0	%100
88	RP3	Y	-6.973	-6.973	0	%100
89	R89	Y	-2.678	-2.678	0	%100
90	R90	Y	-2.678	-2.678	0	%100
91	RP1	Y	-6.973	-6.973	0	%100

Member Distributed Loads (BLC 16 : Ice Weight) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
92	R92	Y	-2.678	-2.678	0	%100
93	R93	Y	-2.678	-2.678	0	%100
94	RP2	Y	-6.973	-6.973	0	%100
95	R95	Y	-2.678	-2.678	0	%100
96	R96	Y	-2.678	-2.678	0	%100

Member Distributed Loads (BLC 29 : Distr. Ice Wind Load Z)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	GS101	SZ	-20.035	-20.035	0	%100
2	GS102	SZ	-20.035	-20.035	0	%100
3	GS111	SZ	-20.035	-20.035	0	%100
4	GS112	SZ	-20.035	-20.035	0	%100
5	GS113	SZ	-20.035	-20.035	0	%100
6	GS114	SZ	-20.035	-20.035	0	%100
7	GS127	SZ	-18.265	-18.265	0	%100
8	GS128	SZ	-18.265	-18.265	0	%100
9	GS129	SZ	-18.265	-18.265	0	%100
10	GS130	SZ	-18.265	-18.265	0	%100
11	GS131	SZ	-18.265	-18.265	0	%100
12	GS132	SZ	-18.265	-18.265	0	%100
13	H1	SZ	-18.349	-18.349	0	%100
14	H2	SZ	-18.349	-18.349	0	%100
15	H3	SZ	-18.349	-18.349	0	%100
16	H4	SZ	-18.349	-18.349	0	%100
17	H5	SZ	-18.349	-18.349	0	%100
18	H6	SZ	-18.349	-18.349	0	%100
19	H7	SZ	-18.349	-18.349	0	%100
20	H8	SZ	-18.349	-18.349	0	%100
21	H9	SZ	-18.349	-18.349	0	%100
22	HP28	SZ	-14.819	-14.819	0	%100
23	HP29	SZ	-14.819	-14.819	0	%100
24	HP30	SZ	-14.819	-14.819	0	%100
25	MP1	SZ	-22.332	-22.332	0	%100
26	MP2	SZ	-22.332	-22.332	0	%100
27	MP3	SZ	-22.332	-22.332	0	%100
28	R47	SZ	0	0	0	%100
29	R49	SZ	0	0	0	%100
30	R51	SZ	0	0	0	%100
31	R75	SZ	0	0	0	%100
32	R76	SZ	0	0	0	%100
33	R77	SZ	0	0	0	%100
34	R81	SZ	0	0	0	%100
35	R82	SZ	0	0	0	%100
36	R83	SZ	0	0	0	%100
37	R84	SZ	0	0	0	%100
38	R85	SZ	0	0	0	%100
39	R86	SZ	0	0	0	%100
40	R97	SZ	0	0	0	%100
41	R98	SZ	0	0	0	%100
42	R99	SZ	0	0	0	%100
43	R100	SZ	0	0	0	%100
44	R103	SZ	0	0	0	%100
45	R104	SZ	0	0	0	%100
46	R105	SZ	0	0	0	%100
47	R106	SZ	0	0	0	%100
48	R107	SZ	0	0	0	%100

Member Distributed Loads (BLC 29 : Distr. Ice Wind Load Z) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
49	R108	SZ	0	0	0	%100
50	R109	SZ	0	0	0	%100
51	R110	SZ	0	0	0	%100
52	R115	SZ	0	0	0	%100
53	R116	SZ	0	0	0	%100
54	R117	SZ	0	0	0	%100
55	R118	SZ	0	0	0	%100
56	R119	SZ	0	0	0	%100
57	R120	SZ	0	0	0	%100
58	R121	SZ	0	0	0	%100
59	R122	SZ	0	0	0	%100
60	R123	SZ	0	0	0	%100
61	R124	SZ	0	0	0	%100
62	R125	SZ	0	0	0	%100
63	R126	SZ	0	0	0	%100
64	S82	SZ	-16.877	-16.877	0	%100
65	S83	SZ	-16.877	-16.877	0	%100
66	S87	SZ	-16.877	-16.877	0	%100
67	S88	SZ	-16.877	-16.877	0	%100
68	S89	SZ	-16.877	-16.877	0	%100
69	S90	SZ	-16.877	-16.877	0	%100
70	SB91	SZ	-20.035	-20.035	0	%100
71	SB92	SZ	-20.035	-20.035	0	%100
72	SB93	SZ	-20.035	-20.035	0	%100
73	SB94	SZ	-20.035	-20.035	0	%100
74	SB95	SZ	-20.035	-20.035	0	%100
75	SB96	SZ	-20.035	-20.035	0	%100
76	MP7	SZ	-22.332	-22.332	0	%100
77	MP8	SZ	-22.332	-22.332	0	%100
78	MP9	SZ	-22.332	-22.332	0	%100
79	R79	SZ	0	0	0	%100
80	R80	SZ	0	0	0	%100
81	R81A	SZ	0	0	0	%100
82	MP4	SZ	-22.332	-22.332	0	%100
83	MP5	SZ	-22.332	-22.332	0	%100
84	MP6	SZ	-22.332	-22.332	0	%100
85	R85A	SZ	0	0	0	%100
86	R86A	SZ	0	0	0	%100
87	R87	SZ	0	0	0	%100
88	RP3	SZ	-22.332	-22.332	0	%100
89	R89	SZ	0	0	0	%100
90	R90	SZ	0	0	0	%100
91	RP1	SZ	-22.332	-22.332	0	%100
92	R92	SZ	0	0	0	%100
93	R93	SZ	0	0	0	%100
94	RP2	SZ	-22.332	-22.332	0	%100
95	R95	SZ	0	0	0	%100
96	R96	SZ	0	0	0	%100

Member Distributed Loads (BLC 30 : Distr. Ice Wind Load X)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	GS101	SX	-20.035	-20.035	0	%100
2	GS102	SX	-20.035	-20.035	0	%100
3	GS111	SX	-20.035	-20.035	0	%100
4	GS112	SX	-20.035	-20.035	0	%100
5	GS113	SX	-20.035	-20.035	0	%100

Member Distributed Loads (BLC 30 : Distr. Ice Wind Load X) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
6	GS114	SX	-20.035	-20.035	0	%100
7	GS127	SX	-18.265	-18.265	0	%100
8	GS128	SX	-18.265	-18.265	0	%100
9	GS129	SX	-18.265	-18.265	0	%100
10	GS130	SX	-18.265	-18.265	0	%100
11	GS131	SX	-18.265	-18.265	0	%100
12	GS132	SX	-18.265	-18.265	0	%100
13	H1	SX	-18.349	-18.349	0	%100
14	H2	SX	-18.349	-18.349	0	%100
15	H3	SX	-18.349	-18.349	0	%100
16	H4	SX	-18.349	-18.349	0	%100
17	H5	SX	-18.349	-18.349	0	%100
18	H6	SX	-18.349	-18.349	0	%100
19	H7	SX	-18.349	-18.349	0	%100
20	H8	SX	-18.349	-18.349	0	%100
21	H9	SX	-18.349	-18.349	0	%100
22	HP28	SX	-14.819	-14.819	0	%100
23	HP29	SX	-14.819	-14.819	0	%100
24	HP30	SX	-14.819	-14.819	0	%100
25	MP1	SX	-22.332	-22.332	0	%100
26	MP2	SX	-22.332	-22.332	0	%100
27	MP3	SX	-22.332	-22.332	0	%100
28	R47	SX	0	0	0	%100
29	R49	SX	0	0	0	%100
30	R51	SX	0	0	0	%100
31	R75	SX	0	0	0	%100
32	R76	SX	0	0	0	%100
33	R77	SX	0	0	0	%100
34	R81	SX	0	0	0	%100
35	R82	SX	0	0	0	%100
36	R83	SX	0	0	0	%100
37	R84	SX	0	0	0	%100
38	R85	SX	0	0	0	%100
39	R86	SX	0	0	0	%100
40	R97	SX	0	0	0	%100
41	R98	SX	0	0	0	%100
42	R99	SX	0	0	0	%100
43	R100	SX	0	0	0	%100
44	R103	SX	0	0	0	%100
45	R104	SX	0	0	0	%100
46	R105	SX	0	0	0	%100
47	R106	SX	0	0	0	%100
48	R107	SX	0	0	0	%100
49	R108	SX	0	0	0	%100
50	R109	SX	0	0	0	%100
51	R110	SX	0	0	0	%100
52	R115	SX	0	0	0	%100
53	R116	SX	0	0	0	%100
54	R117	SX	0	0	0	%100
55	R118	SX	0	0	0	%100
56	R119	SX	0	0	0	%100
57	R120	SX	0	0	0	%100
58	R121	SX	0	0	0	%100
59	R122	SX	0	0	0	%100
60	R123	SX	0	0	0	%100
61	R124	SX	0	0	0	%100
62	R125	SX	0	0	0	%100

Member Distributed Loads (BLC 30 : Distr. Ice Wind Load X) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
63	R126	SX	0	0	0	%100
64	S82	SX	-16.877	-16.877	0	%100
65	S83	SX	-16.877	-16.877	0	%100
66	S87	SX	-16.877	-16.877	0	%100
67	S88	SX	-16.877	-16.877	0	%100
68	S89	SX	-16.877	-16.877	0	%100
69	S90	SX	-16.877	-16.877	0	%100
70	SB91	SX	-20.035	-20.035	0	%100
71	SB92	SX	-20.035	-20.035	0	%100
72	SB93	SX	-20.035	-20.035	0	%100
73	SB94	SX	-20.035	-20.035	0	%100
74	SB95	SX	-20.035	-20.035	0	%100
75	SB96	SX	-20.035	-20.035	0	%100
76	MP7	SX	-22.332	-22.332	0	%100
77	MP8	SX	-22.332	-22.332	0	%100
78	MP9	SX	-22.332	-22.332	0	%100
79	R79	SX	0	0	0	%100
80	R80	SX	0	0	0	%100
81	R81A	SX	0	0	0	%100
82	MP4	SX	-22.332	-22.332	0	%100
83	MP5	SX	-22.332	-22.332	0	%100
84	MP6	SX	-22.332	-22.332	0	%100
85	R85A	SX	0	0	0	%100
86	R86A	SX	0	0	0	%100
87	R87	SX	0	0	0	%100
88	RP3	SX	-22.332	-22.332	0	%100
89	R89	SX	0	0	0	%100
90	R90	SX	0	0	0	%100
91	RP1	SX	-22.332	-22.332	0	%100
92	R92	SX	0	0	0	%100
93	R93	SX	0	0	0	%100
94	RP2	SX	-22.332	-22.332	0	%100
95	R95	SX	0	0	0	%100
96	R96	SX	0	0	0	%100

Member Distributed Loads (BLC 43 : BLC 1 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	GS131	Y	-15.476	-9.405	0	9.536
2	GS131	Y	-9.405	-4.472	9.536	19.072
3	GS131	Y	-4.472	-.677	19.072	28.608
4	H3	Y	-5.972	-5.972	17.445	35.479
5	SB91	Y	-10.292	-10.292	3.796	21.144
6	GS101	Y	-11.001	-11.001	0	18
7	GS102	Y	-11.001	-11.001	5.329e-15	18
8	H2	Y	-4.687	-12.187	5.801	14.601
9	H2	Y	-12.187	-15.937	14.601	23.402
10	H2	Y	-15.937	-12.187	23.402	32.203
11	H2	Y	-12.187	-4.687	32.203	41.003
12	GS130	Y	-15.476	-9.405	0	9.536
13	GS130	Y	-9.405	-4.472	9.536	19.072
14	GS130	Y	-4.472	-.677	19.072	28.608
15	H1	Y	-5.972	-5.972	18.521	36.555
16	SB92	Y	-10.292	-10.292	14.652	32
17	GS129	Y	-15.476	-9.405	0	9.536
18	GS129	Y	-9.405	-4.472	9.536	19.072
19	GS129	Y	-4.472	-.677	19.072	28.608

Member Distributed Loads (BLC 43 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
20	H9	Y	-5.972	-5.972	17.445	35.479
21	SB95	Y	-10.292	-10.292	3.796	21.144
22	GS128	Y	-15.476	-9.405	0	9.536
23	GS128	Y	-9.405	-4.472	9.536	19.072
24	GS128	Y	-4.472	-.677	19.072	28.608
25	H7	Y	-5.972	-5.972	18.521	36.555
26	SB96	Y	-10.292	-10.292	14.652	32
27	GS127	Y	-15.476	-9.405	0	9.536
28	GS127	Y	-9.405	-4.472	9.536	19.072
29	GS127	Y	-4.472	-.677	19.072	28.608
30	H6	Y	-5.972	-5.972	17.445	35.479
31	SB93	Y	-10.292	-10.292	3.796	21.144
32	GS111	Y	-11.001	-11.001	0	18
33	GS112	Y	-11.001	-11.001	2.083e-11	18
34	H5	Y	-4.687	-12.188	5.801	14.601
35	H5	Y	-12.188	-15.938	14.601	23.402
36	H5	Y	-15.938	-12.188	23.402	32.203
37	H5	Y	-12.188	-4.688	32.203	41.003
38	GS132	Y	-15.476	-9.405	0	9.536
39	GS132	Y	-9.405	-4.472	9.536	19.072
40	GS132	Y	-4.472	-.677	19.072	28.608
41	H4	Y	-5.972	-5.972	18.521	36.555
42	SB94	Y	-10.292	-10.292	14.652	32
43	GS113	Y	-11.001	-11.001	4.441e-15	18
44	GS114	Y	-11.001	-11.001	0	18
45	H8	Y	-4.688	-12.188	5.801	14.601
46	H8	Y	-12.188	-15.938	14.601	23.402
47	H8	Y	-15.938	-12.188	23.402	32.203
48	H8	Y	-12.188	-4.688	32.203	41.003

Member Distributed Loads (BLC 44 : BLC 16 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	GS131	Y	-13.875	-8.432	0	9.536
2	GS131	Y	-8.432	-4.009	9.536	19.072
3	GS131	Y	-4.009	-.607	19.072	28.608
4	H3	Y	-5.354	-5.354	17.445	35.479
5	SB91	Y	-9.228	-9.228	3.796	21.144
6	GS101	Y	-9.863	-9.863	0	18
7	GS102	Y	-9.863	-9.863	5.329e-15	18
8	H2	Y	-4.203	-10.927	5.801	14.601
9	H2	Y	-10.927	-14.289	14.601	23.402
10	H2	Y	-14.289	-10.927	23.402	32.203
11	H2	Y	-10.927	-4.203	32.203	41.003
12	GS130	Y	-13.875	-8.432	0	9.536
13	GS130	Y	-8.432	-4.009	9.536	19.072
14	GS130	Y	-4.009	-.607	19.072	28.608
15	H1	Y	-5.354	-5.354	18.521	36.555
16	SB92	Y	-9.228	-9.228	14.652	32
17	GS129	Y	-13.875	-8.432	0	9.536
18	GS129	Y	-8.432	-4.009	9.536	19.072
19	GS129	Y	-4.009	-.607	19.072	28.608
20	H9	Y	-5.354	-5.354	17.445	35.479
21	SB95	Y	-9.228	-9.228	3.796	21.144
22	GS128	Y	-13.875	-8.432	0	9.536
23	GS128	Y	-8.432	-4.009	9.536	19.072
24	GS128	Y	-4.009	-.607	19.072	28.608

Member Distributed Loads (BLC 44 : BLC 16 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
25	H7	Y	-5.354	-5.354	18.521	36.555
26	SB96	Y	-9.228	-9.228	14.652	32
27	GS127	Y	-13.875	-8.432	0	9.536
28	GS127	Y	-8.432	-4.009	9.536	19.072
29	GS127	Y	-4.009	-.607	19.072	28.608
30	H6	Y	-5.354	-5.354	17.445	35.479
31	SB93	Y	-9.228	-9.228	3.796	21.144
32	GS111	Y	-9.863	-9.863	0	18
33	GS112	Y	-9.863	-9.863	2.083e-11	18
34	H5	Y	-4.203	-10.927	5.801	14.601
35	H5	Y	-10.927	-14.289	14.601	23.402
36	H5	Y	-14.289	-10.927	23.402	32.203
37	H5	Y	-10.927	-4.203	32.203	41.003
38	GS132	Y	-13.875	-8.432	0	9.536
39	GS132	Y	-8.432	-4.009	9.536	19.072
40	GS132	Y	-4.009	-.607	19.072	28.608
41	H4	Y	-5.354	-5.354	18.521	36.555
42	SB94	Y	-9.228	-9.228	14.652	32
43	GS113	Y	-9.863	-9.863	4.441e-15	18
44	GS114	Y	-9.863	-9.863	0	18
45	H8	Y	-4.203	-10.927	5.801	14.601
46	H8	Y	-10.927	-14.289	14.601	23.402
47	H8	Y	-14.289	-10.927	23.402	32.203
48	H8	Y	-10.927	-4.203	32.203	41.003

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

	Member	Shape	Code ...	Loc[in]	LC	Shear Check	Loc[in]	Dir	LC	phi*Pnc...	phi*Pnt...	phi*Mn ...	phi*Mn ...	Cb	Eqn
1	SB96	L1.5x2.5x4	2.750	35.796	10	.205	0	z	36	15972....	30375	469.106	1597.9...	2...	H2-1
2	SB92	L1.5x2.5x4	2.750	35.796	2	.205	0	z	28	15972....	30375	469.106	1597.9...	2...	H2-1
3	SB94	L1.5x2.5x4	2.723	35.796	6	.205	0	z	32	15972....	30375	469.106	1597.9...	2...	H2-1
4	SB95	L1.5x2.5x4	2.313	0	8	.218	35.796	z	32	15972....	30375	469.106	1597.9...	2...	H2-1
5	SB91	L1.5x2.5x4	2.302	0	13	.218	35.796	z	36	15972....	30375	469.106	1597.9...	2...	H2-1
6	SB93	L1.5x2.5x4	2.237	0	4	.218	35.796	z	28	15972....	30375	469.106	1597.9...	2...	H2-1
7	S83	HSS3X3X4	1.985	62.5	4	.708	62.5	z	5	65395....	76860	6510	6510	2...	H3-6
8	S88	HSS3X3X4	1.955	62.5	8	.707	62.5	z	9	65395....	76860	6510	6510	2...	H3-6
9	S90	HSS3X3X4	1.916	62.5	12	.738	62.5	z	13	65395....	76860	6510	6510	2...	H3-6
10	MP3	PIPE_2.0	1.612	65.625	8	.076	65.625		8	17855....	32130	1871.6...	1871.6...	1...	H1-1b
11	MP6	PIPE_2.0	1.612	65.625	4	.076	65.625		4	17855....	32130	1871.6...	1871.6...	1...	H1-1b
12	MP9	PIPE_2.0	1.589	65.625	12	.075	65.625		12	17855....	32130	1871.6...	1871.6...	1...	H1-1b
13	MP2	PIPE_2.0	1.512	65.625	8	.064	65.625		8	17855....	32130	1871.6...	1871.6...	1...	H1-1b
14	MP5	PIPE_2.0	1.512	65.625	4	.064	65.625		4	17855....	32130	1871.6...	1871.6...	1...	H1-1b
15	MP8	PIPE_2.0	1.489	65.625	12	.063	65.625		12	17855....	32130	1871.6...	1871.6...	1...	H1-1b
16	HP29	6"x5/8"	1.081	8	36	.922	8	y	8	80310....	121500	1582.0...	15187.5	1...	H1-1b
17	HP28	6"x5/8"	1.081	8	32	.904	8	y	4	80310....	121500	1582.0...	15187.5	1...	H1-1b
18	HP30	6"x5/8"	1.080	8	28	.909	8	y	12	80310....	121500	1582.0...	15187.5	1...	H1-1b
19	GS101	L1.5x2.5x4	.968	0	2	.060	18	z	28	25818....	30375	469.106	1575.4...	1...	H2-1
20	GS113	L1.5x2.5x4	.966	0	10	.060	18	z	36	25818....	30375	469.106	1580.01	1...	H2-1
21	GS111	L1.5x2.5x4	.957	0	6	.061	18	z	32	25818....	30375	469.106	1575.6...	1...	H2-1
22	S87	HSS3X3X4	.857	46.224	8	.517	40.365	y	8	65395....	76860	6510	6510	2...	H3-6
23	S82	HSS3X3X4	.843	46.224	4	.503	46.224	y	4	65395....	76860	6510	6510	2...	H3-6
24	S89	HSS3X3X4	.839	46.224	12	.532	46.224	y	13	65395....	76860	6510	6510	2...	H3-6
25	GS102	L1.5x2.5x4	.836	18	13	.052	0	z	12	25818....	30375	469.106	1586.6	1...	H2-1
26	GS114	L1.5x2.5x4	.825	18	9	.053	0	z	8	25818....	30375	469.106	1585.3...	1...	H2-1
27	H1	PIPE_3.0	.824	0	8	.772	0		8	58506....	65205	5748.75	5748.75	1...	H3-6
28	H7	PIPE_3.0	.815	0	4	.766	0		4	58506....	65205	5748.75	5748.75	1...	H3-6

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

	Member	Shape	Code ...	Loc[in]	LC	Shear Check	Loc[in]	Dir	LC	phi*Pnc...	phi*Pnt...	phi*Mn ...	phi*Mn ...	Cb	Eqn
29	H4	PIPE_3.0	.794	0	12	.755	0		12	58506....	65205	5748.75	5748.75	1...	H3-6
30	GS112	L1.5x2.5x4	.786	18	4	.051	0	z	4	25818....	30375	469.106	1590.6...	1...	H2-1
31	MP1	PIPE_2.0	.598	65.625	8	.040	65.625		8	17855....	32130	1871.6...	1871.6...	1...	H1-1b
32	MP4	PIPE_2.0	.598	65.625	4	.040	65.625		4	17855....	32130	1871.6...	1871.6...	1...	H1-1b
33	MP7	PIPE_2.0	.591	65.625	12	.040	65.625		12	17855....	32130	1871.6...	1871.6...	1...	H1-1b
34	H6	PIPE_3.0	.535	4.5	29	.457	54		13	58506....	65205	5748.75	5748.75	1...	H3-6
35	H9	PIPE_3.0	.534	4.5	33	.433	54		5	58506....	65205	5748.75	5748.75	1...	H3-6
36	H3	PIPE_3.0	.533	54	34	.437	54		9	58506....	65205	5748.75	5748.75	1...	H3-6
37	GS130	L2.5x2.5x4	.415	0	7	.092	0	y	8	32029....	38556	1113.5...	2537.3...	2...	H2-1
38	GS128	L2.5x2.5x4	.411	0	3	.090	0	y	4	32029....	38556	1113.5...	2537.3...	2...	H2-1
39	GS132	L2.5x2.5x4	.393	0	36	.092	0	y	13	32029....	38556	1113.5...	2537.3...	2...	H2-1
40	H5	PIPE_3.0	.389	0	8	.242	46.804		13	60105....	65205	5748.75	5748.75	1...	H1-1b
41	H8	PIPE_3.0	.374	46.804	32	.241	46.804		4	60105....	65205	5748.75	5748.75	1...	H1-1b
42	H2	PIPE_3.0	.374	46.804	36	.235	46.804		8	60105....	65205	5748.75	5748.75	1...	H1-1b
43	GS127	L2.5x2.5x4	.369	0	38	.083	0	z	11	32029....	38556	1113.5...	2537.3...	2...	H2-1
44	GS131	L2.5x2.5x4	.369	0	34	.089	0	z	7	32029....	38556	1113.5...	2537.3...	2...	H2-1
45	GS129	L2.5x2.5x4	.369	0	30	.086	0	z	3	32029....	38556	1113.5...	2537.3...	2...	H2-1
46	RP3	PIPE_2.0	.213	39	2	.019	39		2	26521....	32130	1871.6...	1871.6...	1...	H1-1b
47	RP1	PIPE_2.0	.213	39	6	.019	39		6	26521....	32130	1871.6...	1871.6...	1...	H1-1b
48	RP2	PIPE_2.0	.213	39	10	.019	39		10	26521....	32130	1871.6...	1871.6...	1...	H1-1b

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

Member	Shape	Code ...	Loc[in]	LC	Shear ...	Loc[in]	Dir	LC	phi*Pn[lb]	phi*Tn[lb]	phi*Mny...	phi*Mnz...	phi*V...	phi*V...	Cb	Eqn
No Data to Print ...																

Date:	9/11/2019
Client	Smartlink
Carrier	AT&T
Engineer:	DWS
Site:	Windham CTR
Job #:	1106-A0001-B

Code:	LRFD
Bolt Diameter	0.625
Bolt Grade:	A307
Threads Excluded?:	N
Axial (lbs):	14406.61
Shear (lbs):	6008.25

Bolt Info:

Yield Strength (F_{yb})	36.0 kips
Ultimate Strength (F_{ub})	60.0 kips
Threads/in (n)	11
Gross Area (A_{gb})	0.307 in²
Net Area (A_{nb})	0.226 in²

Bolt Capacity (5/8" A307 Bolt), Total of (4) per Connection

	Ult Load / Bolt	Factored Load (ϕ=0.75)	# of Bolts	Factor Joint Capacity
Axial (lb)	13560.1	10170.1	4	40680
Shear(lb)	8283.5	6212.6	4	24850

Interaction Check	
$T/\phi T_n$	35.4%
$V/\phi Vn$	24.2%
≤1.0	18.4%
	OK

Site Number:	CTL01064
Client:	Smartlink
Carrier	AT&T
Job #:	1106-A0001-B
Estimator:	BDA
Date:	9/11/2019

Mount upgrade pricing

Notes:
- All Costs Incdue hardware.
- This is an estimate, prices may vary and are dependant on many factors. An official quote will be provide at the time of construction.
- All Costs are per mount unless noted.
- Estimate does not include a crane, manlift, etc.
-Estimate does not include delivery

Total Mod Cost Limit:	$ 20,000.00	
Total Day of Labor:	4	Days

Existing		
Structure Type:	Monopole	
Mount type:	Platform	
Mount Elevation:	147	ft.
Number of Sectors:	3	
Mount Location:	Middle	

Replacement		
Mount Replacement Type:	Platform	
Mount Manufacture:	Site_Pro_1	
Mount Model:	RMQP-496-HK	
Notes:	Heavy Duty WLL Frame. Includes mount pipes and all attachment hardware.	
Pipe Model:	10-2AMP	
Notes:	5. MOUNTING PIPE (QTY=1) – 2" Sch 40 (2.375" OD x 0.154" wall thickness) x 10' long, ASTM A53 Grade B (minimum), plus connection hardware to attach to mount.	
Number of Pipes:	9	
Total Day of Labor:	4	Days

Mount Replacement Cost:		
Labor:	$	16,000.00
Material:	$	6,060.00
Total:	$	22,060.00

Mount Mod Cost:		
Labor:	$	16,000.00
Material:	$	7,310.00
Total:	$	23,310.00

Conlusion:
Relace Mount