UPS CampusShip: View/Print Label

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3. **GETTING YOUR SHIPMENT TO UPS**
   Customers with a Daily Pickup
   Your driver will pickup your shipment(s) as usual.

   Customers without a Daily Pickup
   Take your package to any location of The UPS Store®, UPS Access Point(TM) location, UPS Drop Box, UPS Customer Center, Staples® or Authorized Shipping Outlet near you. Items sent via UPS Return Services(SM) (including via Ground) are also accepted at Drop Boxes. To find the location nearest you, please visit the Resources area of CampusShip and select UPS Locations.
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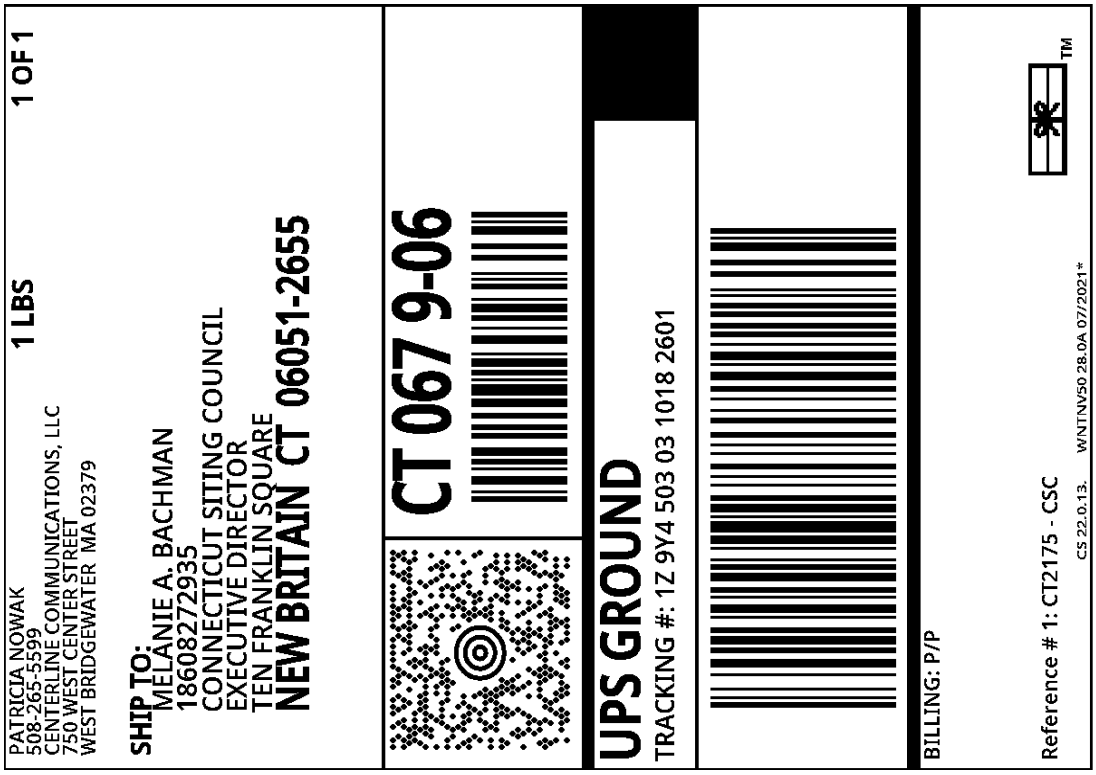
UPS Access Point™
CVS STORE # 972
555 WASHINGTON ST
SOUTH EASTON ,MA 02375

UPS Access Point™
CVS STORE # 7232
689 DEPOT ST
NORTH EASTON ,MA 02356

UPS Access Point™
TOWN LINE GENERAL STORE
450 E CENTER ST
WEST BRIDGEWATER ,MA 02379

FOLD HERE



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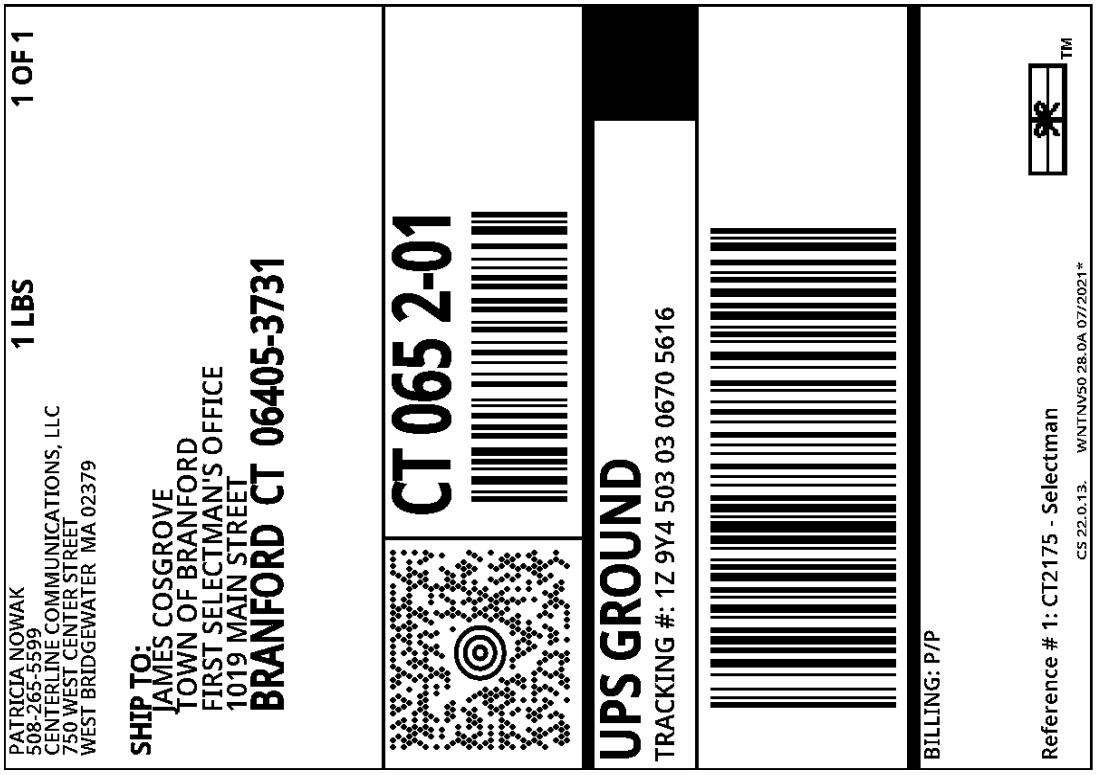

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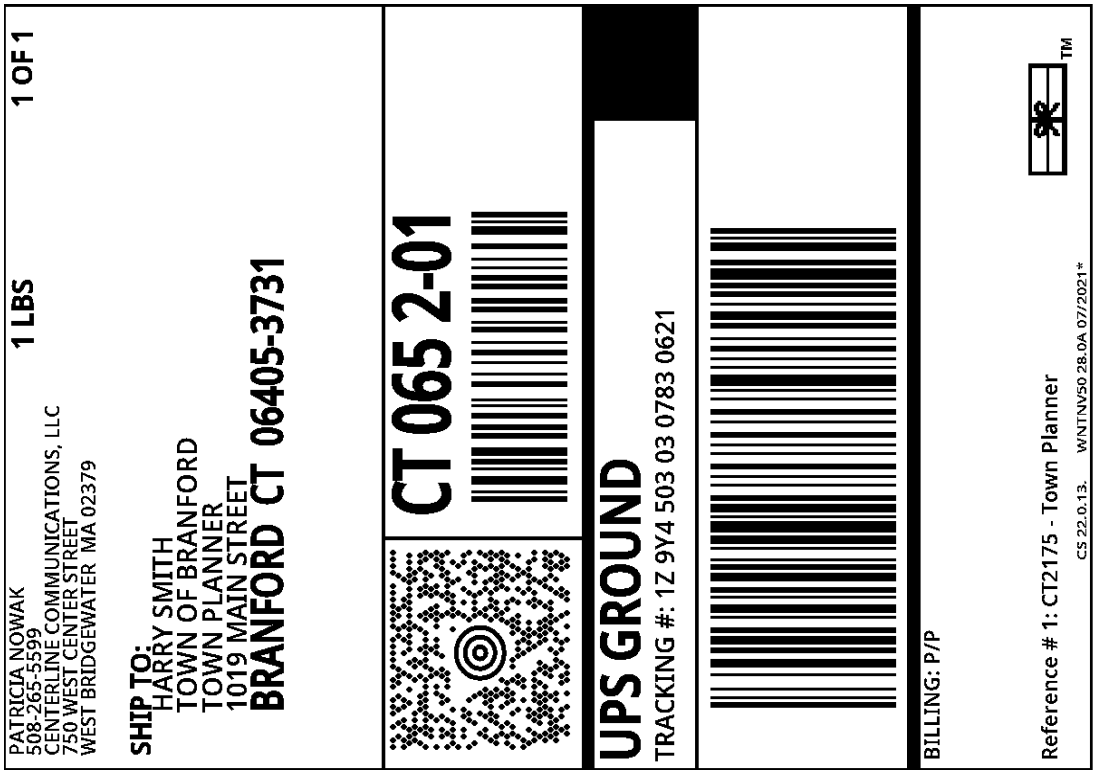

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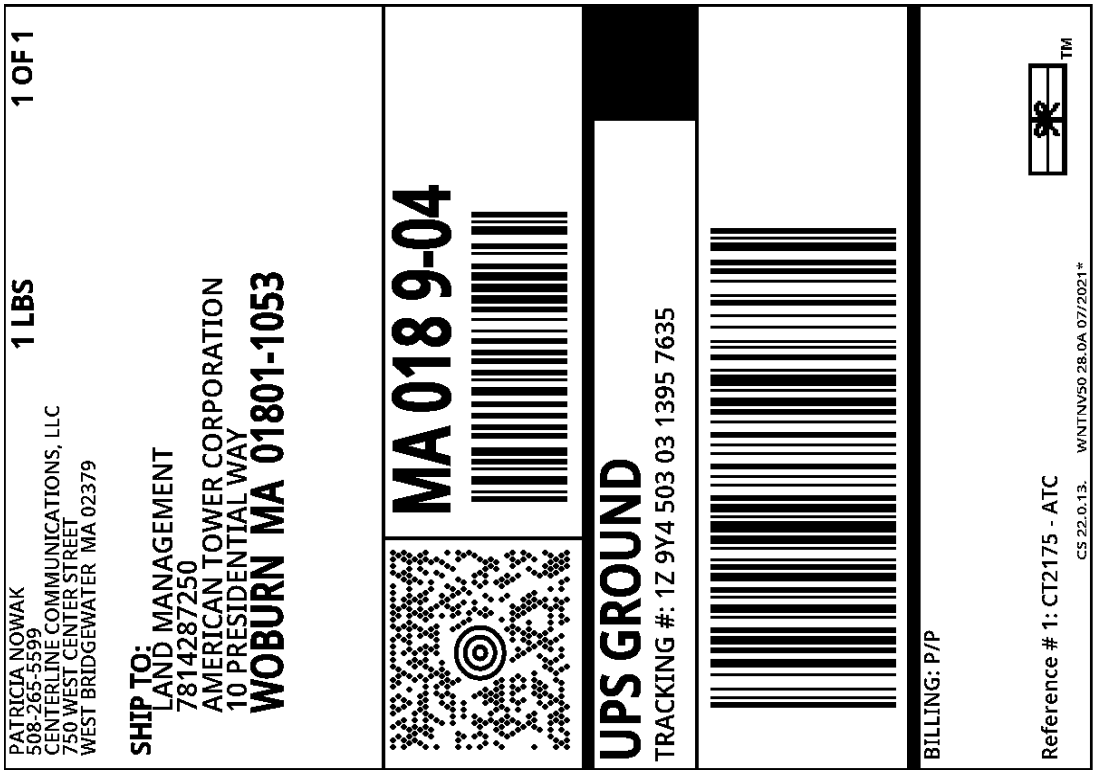

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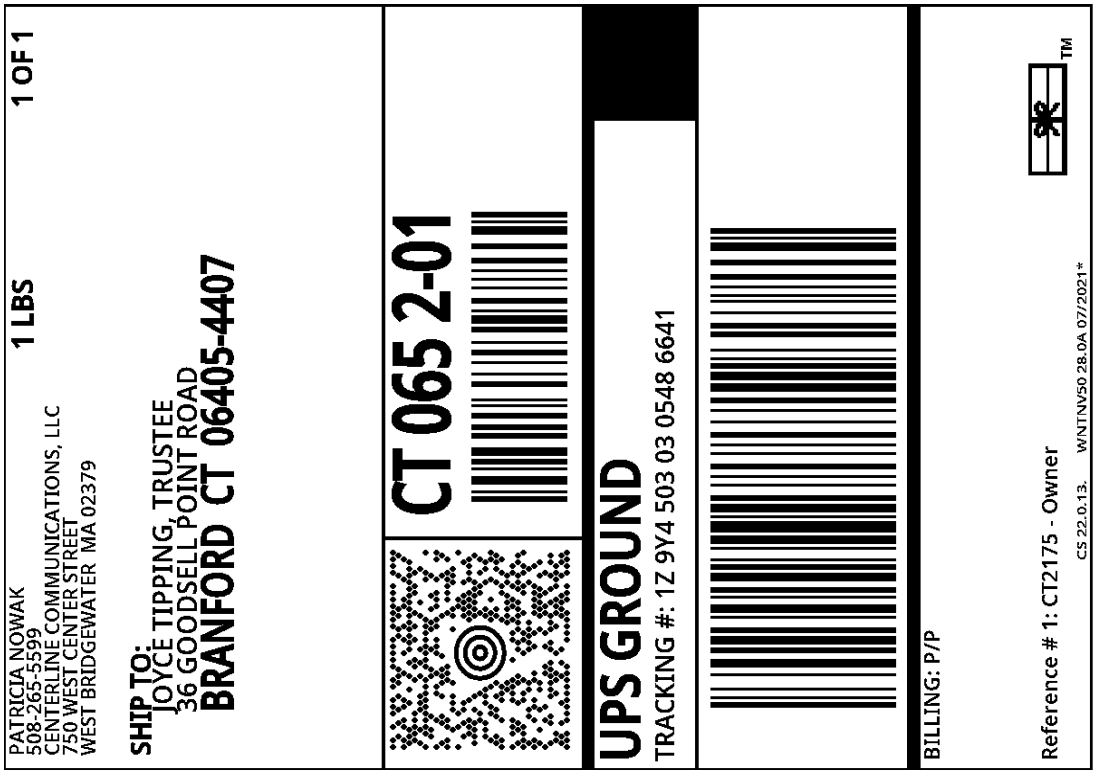


July 8, 2021

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

Regarding: Notice of Exempt Modification – AT&T Site CT2175
Address: 4 Beaver Road, Branford, Connecticut 06405

Dear Ms. Bachman:

New Cingular Wireless, PCS, LLC (hereinafter "AT&T") currently maintains a wireless telecommunications facility on an existing 125' self-support tower (the "Tower") at the above-referenced address, latitude 41.280200, longitude -72.841700. Said Tower is owned by American Tower Corporation.

AT&T desires to modify its facility at the Tower by adding (3) remote radio units and other related modifications as more particularly detailed and described in the enclosed Construction Drawings prepared by Infinigy Engineering, PLLC dated February 12, 2021 and last revised May 27, 2021. Please note this modification includes B2, B5, and B12 hardware that is both 4G (LTE) and 5GNR capable through remote software configuration and either or both services may be turned on or off at various times. Enclosed please also find an Antennas Mount Analysis Report prepared by American Tower Corporation dated February 4, 2021. The centerline height of the antennas will be at 113 feet.

The most recent AT&T Exempt Modification acknowledgement by the Connecticut Siting Council was issued on April 1, 2019 under EM-AT&T-014-190211 and building permit number B-19-00517 was issued by the Town of Branford on May 20, 2019 for the modification. Enclosed please also find a copy of the above referenced acknowledgment and building permit.

Please accept this letter as notification pursuant to R.C.S.A §16-50j-73 for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to the following individuals: The Honorable James Cosgrove, First Selectman, Town of Branford, CT; Harry Smith, Town Planner, Town of Branford, CT; American Tower Corporation, as Tower Owner; and Joyce Tipping, Trustee, as the property owner at the above referenced address. Enclosed please find a property card and a GIS map for the above-referenced address.

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

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

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

3. The proposed modifications will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.

4. The operation of the modified facility will not increase radio frequency emissions at the facility to a level at or above the Federal Communications Commission safety standard. *Please see the RF Emissions Analysis Report for AT&T's modified facility enclosed herewith.*

5. The proposed modifications will not cause an ineligible change or alteration in the physical or environmental characteristics of the site.

6. The existing structure and its foundation can support the proposed loading. *Please see the Structural Analysis Report dated January 27, 2021 and prepared by American Tower Corporation enclosed herewith.*

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

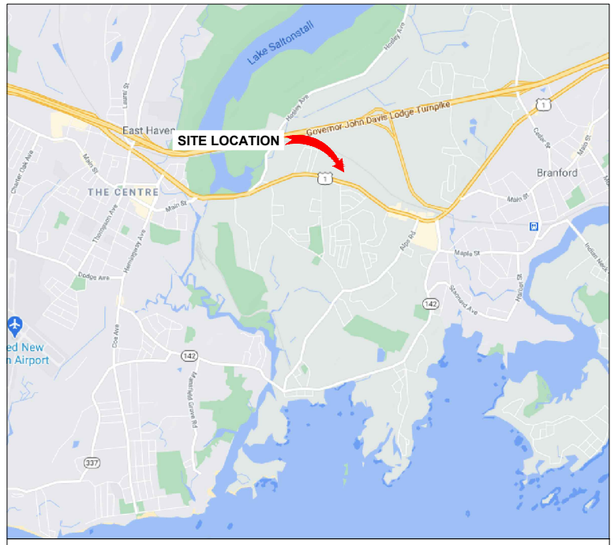
Sincerely,

Patricia Nowak
Site Acquisition Consultant
Centerline Communications, LLC
750 West Center Street, Suite 301
West Bridgewater, MA 02379
pnowak@clinellc.com

Enclosures:
Exhibit 1 – Construction Drawings
Exhibit 2 – Mount Analysis Report
Exhibit 3 – CSC Acknowledgement and Building Permit
Exhibit 4 – Property Card and GIS Map
Exhibit 5 – RF Emissions Analysis Report
Exhibit 6 – Structural Analysis

cc:
The Honorable James Cosgrove, First Selectman
Harry Smith, Town Planner
American Tower Corporation, as Tower owner
Joyce Tipping, as the property owner

EXHIBIT 1



VICINITY MAP

AMERICAN TOWER®

ATC SITE NAME: CHERRY HILL-BRANFORD
ATC SITE NUMBER: 302536
AT&T PACE NUMBERS: MRCTB049213
AT&T SITE ID: CTL02175
AT&T FA CODE:10035093
AT&T SITE NAME: BRANFORD WEST
SITE ADDRESS: 4 BEAVER ROAD
BRANFORD, CT 06405

CURRENT PROJECTS:
LTE 6C - PACE #: MRCTB049213

AT&T MOBILITY
ANTENNA AMENDMENT PLAN

LOCATION MAP

COMPLIANCE CODE

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

1. 2018 INTERNATIONAL BUILDING CODE (IBC)
2. 2017 NATIONAL ELECTRIC CODE (NEC)
3. LOCAL BUILDING CODE
4. CITY/COUNTY ORDINANCES

UTILITY COMPANIES

POWER COMPANY: EVERSOURCE
PHONE: (877) 659-6326

TELEPHONE COMPANY: N/A
PHONE: N/A

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

PROJECT SUMMARY

SITE ADDRESS:

4 BEAVER ROAD

BRANFORD, CT 06405

COUNTY: NEW HAVEN

GEOGRAPHIC COORDINATES:

LATITUDE: 41.28015

LONGITUDE: -72.84173333

GROUND ELEVATION: 90' AMSL

ZONING INFORMATION:

JURISDICTION: NEW HAVEN COUNTY

PARCEL #: B07-000 006-00043

PROJECT TEAM

TOWER OWNER:

AMERICAN TOWER
10 PRESIDENTIAL WAY
WOBURN, MA 01801

APPLICANT:

AT&T MOBILITY

ENGINEER:

INFINIGY ENGINEERING, PLLC
1033 WATERVLIET SHAKER RD
ALBANY, NY 12205

PROPERTY OWNER:

JOYCE TIPPING
4 BEAVER ROAD -
BRANFORD - CT - 06405

PROJECT DESCRIPTION

THE PROPOSED PROJECT INCLUDES MODIFYING GROUND BASED AND TOWER MOUNTED EQUIPMENT AS INDICATED PER BELOW:

TOWER WORK:

INSTALL (3) RRHS

EXISTING (12) ANTENNAS, (9) RRHS, (3) TMAS (3) SQUIDS, (6) DC TRUNKS, (6) COAX CABLES AND (2) FIBER TRUNKS TO REMAIN

REMOVE (6) COAX CABLES

GROUND WORK:

INSTALL (1) IDLE, (3) VERTIV UPCONVERTERS AND (1) XMU

EXISTING (1) RBS 6601 AND (2) BB 6630 TO REMAIN

PROJECT NOTES

1. THE FACILITY IS UNMANNED.
2. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE.
3. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE.
4. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED.
5. HANDICAP ACCESS IS NOT REQUIRED.

PROJECT LOCATION DIRECTIONS

FROM NEW LONDON CT - I 95 SOUTH TO EXIT 53. TAKE OFF RAMP AND THEN TAKE RIGHT ONTO RT 1 AND THEN FOLLOW TO BEAVER RD.

SHEET INDEX

SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:
G-001	TITLE SHEET	0	05/27/21	AUD
G-002	GENERAL NOTES	0	05/27/21	AUD
C-001	OVERALL SITE PLAN	0	05/27/21	AUD
C-101	DETAILED SITE PLAN	0	05/27/21	AUD
C-102	DETAILED EQUIPMENT LAYOUT	0	05/27/21	AUD
C-201	TOWER ELEVATION	0	05/27/21	AUD
C-401	RF SCHEDULE AND ANTENNA INSTALLATION	0	05/27/21	AUD
C-501	CONSTRUCTION DETAILS	0	05/27/21	AUD
C-502	EQUIPMENT SPECIFICATIONS	0	05/27/21	AUD
E-501	GROUNDING DETAILS	0	05/27/21	AUD
R-601	SUPPLEMENTAL	0	05/27/21	AUD
R-602	SUPPLEMENTAL	0	05/27/21	AUD
R-603	SUPPLEMENTAL	0	05/27/21	AUD
R-604	SUPPLEMENTAL	0	05/27/21	AUD
R-605	SUPPLEMENTAL	0	05/27/21	AUD

AMERICAN TOWER®
A.T. ENGINEERING SERVICE, PLLC

INFINIGY
ENGINEERING, PLLC
1033 WATERVLIET SHAKER RD
ALBANY, NY 12205

REV.	DESCRIPTION	BY	DATE
A	PRELIM	MN	02/12/21
B	PRELIM	SP	02/18/21
C	PRELIM	SP	05/18/21
0	FOR CONSTRUCTION	AUD	05/27/21

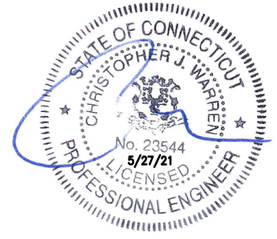
ATC SITE NUMBER:
302536

ATC SITE NAME:
CHERRY HILL-BRANFORD

AT&T MOBILITY SITE NAME:
BRANFORD WEST

SITE ADDRESS:
4 BEAVER ROAD
BRANFORD, CT 06405

SEAL:



AT&T

DATE DRAWN:	02/12/21
ATC JOB NO:	13334427_G3
CUSTOMER ID:	BRANFORD WEST
CUSTOMER #:	10035093

TITLE SHEET

SHEET NUMBER:	REVISION:
G-001	0

GENERAL CONSTRUCTION NOTES:

1. OWNER FURNISHED MATERIALS, AT&T MOBILITY "THE COMPANY" WILL PROVIDE AND THE CONTRACTOR WILL INSTALL
   - A. BTS EQUIPMENT FRAME (PLATFORM) AND ICEBRIDGE SHELTER (GROUND BUILD/CO-LOCATE ONLY)
   - B. AC/TELCO INTERFACE BOX (PPC)
   - C. ICE BRIDGE (CABLE TRAY WITH COVER) (GROUND BUILD/CO-LOCATE ONLY, GC TO FURNISH AND INSTALL FOR ROOFTOP INSTALLATION)
   - D. TOWERS, MONOPOLES
   - E. TOWER LIGHTING
   - F. GENERATORS & LIQUID PROPANE TANK
   - G. ANTENNA STANDARD BRACKETS, FRAMES AND PIPES FOR MOUNTING
   - H. ANTENNAS (INSTALLED BY OTHERS)
   - I. TRANSMISSION LINE
   - J. TRANSMISSION LINE JUMPERS
   - K. TRANSMISSION LINE CONNECTORS WITH WEATHERPROOFING KITS
   - L. TRANSMISSION LINE GROUND KITS
   - M. HANGERS
   - N. HOISTING GRIPS
   - O. BTS EQUIPMENT
2. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL OTHER MATERIALS FOR THE COMPLETE INSTALLATION OF THE SITE INCLUDING, BUT NOT LIMITED TO, SUCH MATERIALS AS FENCING, STRUCTURAL STEEL SUPPORTING SUB-FRAME FOR PLATFORM, ROOFING LABOR AND MATERIALS, GROUNDING RINGS, GROUNDING WIRES, COPPER-CLAD OR XIT CHEMICAL GROUND ROD(S), BUSS BARS, TRANSFORMERS AND DISCONNECT SWITCHES WHERE APPLICABLE, TEMPORARY ELECTRICAL POWER, CONDUIT, LANDSCAPING COMPOUND STONE, CRANES, CORE DRILLING, SLEEPERS AND RUBBER MATTING, REBAR, CONCRETE CAISSONS, PADS AND/OR AUGER MOUNTS, MISCELLANEOUS FASTENERS, CABLE TRAYS, NON-STANDARD ANTENNA FRAMES AND ALL OTHER MATERIAL AND LABOR REQUIRED TO COMPLETE THE JOB ACCORDING TO THE DRAWINGS AND SPECIFICATIONS. IT IS THE POSITION OF AT&T MOBILITY TO APPLY FOR PERMITTING AND CONTRACTOR RESPONSIBLE FOR PICKUP AND PAYMENT OF REQUIRED PERMITS.
3. ALL WORK SHALL CONFORM TO ALL CURRENT APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING ANSI/EIA/TIA-222, AND COMPLY WITH ATC CONSTRUCTION SPECIFICATIONS.
4. CONTRACTOR SHALL CONTACT LOCAL 811 FOR IDENTIFICATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED INSPECTIONS.
6. ALL DIMENSIONS TO, OF, AND ON EXISTING BUILDINGS, DRAINAGE STRUCTURES, AND SITE IMPROVEMENTS SHALL BE VERIFIED IN FIELD BY CONTRACTOR WITH ALL DISCREPANCIES REPORTED TO THE ENGINEER.
7. DO NOT CHANGE SIZE OR SPACING OF STRUCTURAL ELEMENTS.
8. DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
9. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
10. CONTRACTOR SHALL BRACE STRUCTURES UNTIL ALL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: LATERAL BRACING, ANCHOR BOLTS, ETC.
11. CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES, GROUNDS DRAINS, DRAIN PIPES, VENTS, ETC. BEFORE COMMENCING WORK.
12. INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE AT&T MOBILITY REP PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH REMEDIAL ACTION SHALL REQUIRE WRITTEN APPROVAL BY THE AT&T MOBILITY REP PRIOR TO PROCEEDING.
13. EACH CONTRACTOR SHALL COOPERATE WITH THE AT&T MOBILITY REP, AND COORDINATE HIS WORK WITH THE WORK OF OTHERS.
14. CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OF THIS PROJECT TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE AT&T MOBILITY CONSTRUCTION MANAGER.
15. ALL CABLE/CONDUIT ENTRY/EXIT PORTS SHALL BE WEATHERPROOFED DURING INSTALLATION USING A SILICONE SEALANT.
16. WHERE EXISTING CONDITIONS DO NOT MATCH THOSE SHOWN IN THIS PLAN SET, CONTRACTOR SHALL NOTIFY THE AT&T MOBILITY REP AND ENGINEER OF RECORD IMMEDIATELY.
17. CONTRACTOR SHALL ENSURE ALL SUBCONTRACTORS ARE PROVIDED WITH A COMPLETE AND CURRENT SET OF DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
18. CONTRACTOR SHALL REMOVE ALL RUBBISH AND DEBRIS FROM THE SITE AT THE END OF EACH DAY.
19. CONTRACTOR SHALL COORDINATE WORK SCHEDULE WITH AMERICAN TOWER CORPORATION (ATC) AND TAKE PRECAUTIONS TO MINIMIZE IMPACT AND DISRUPTION OF OTHER OCCUPANTS OF THE FACILITY.
20. CONTRACTOR SHALL FURNISH AT&T MOBILITY AND AMERICAN TOWER CORPORATION (ATC) WITH A PDF MARKED UP AS-BUILT SET OF DRAWINGS UPON COMPLETION OF WORK.
21. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH AT&T MOBILITY REP TO DETERMINE WHAT, IF ANY, ITEMS WILL BE PROVIDED. ALL ITEMS NOT PROVIDED SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. CONTRACTOR WILL INSTALL ALL ITEMS PROVIDED.
22. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH AT&T MOBILITY REP TO DETERMINE IF ANY PERMITS WILL BE OBTAINED BY CONTRACTOR. ALL REQUIRED PERMITS NOT OBTAINED BY AT&T MOBILITY MUST BE OBTAINED, AND PAID FOR, BY THE CONTRACTOR.
23. CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH AT&T MOBILITY SPECIFICATIONS AND REQUIREMENTS.
24. CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO AT&T MOBILITY FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
25. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND LOCATED ACCORDING TO AT&T MOBILITY SPECIFICATIONS, AND AS SHOWN IN THESE PLANS.
26. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
27. CONTRACTOR SHALL NOTIFY AT&T MOBILITY REP A MINIMUM OF 48 HOURS IN ADVANCE OF POURING CONCRETE OR BACKFILLING ANY UNDERGROUND UTILITIES, FOUNDATIONS OR SEALING ANY WALL, FLOOR OR ROOF PENETRATIONS FOR ENGINEERING REVIEW AND APPROVAL.
28. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY INCLUDING COMPLIANCE WITH ALL APPLICABLE OSHA STANDARDS AND RECOMMENDATIONS AND SHALL PROVIDE ALL NECESSARY SAFETY DEVICES INCLUDING PPE AND PPM AND CONSTRUCTION DEVICES SUCH AS WELDING AND FIRE PREVENTION, TEMPORARY SHORING, SCAFFOLDING, TRENCH BOXES/SLOPING, BARRIERS, ETC.
29. THE CONTRACTOR SHALL PROTECT AT HIS OWN EXPENSE, ALL EXISTING FACILITIES AND SUCH OF HIS NEW WORK LIABLE TO INJURY DURING THE CONSTRUCTION PERIOD. ANY DAMAGE CAUSED BY NEGLECT ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, OR BY THE ELEMENTS DUE TO NEGLECT ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, EITHER TO THE EXISTING WORK, OR TO HIS WORK OR THE WORK OF ANY OTHER CONTRACTOR, SHALL BE REPAIRED AT HIS EXPENSE TO THE OWNER'S SATISFACTION.
30. ALL WORK SHALL BE INSTALLED IN A FIRST CLASS, NEAT AND WORKMANLIKE MANNER BY MECHANICS SKILLED IN THE TRADE INVOLVED. THE QUALITY OF WORKMANSHIP SHALL BE SUBJECT TO THE APPROVAL OF THE AT&T MOBILITY REP. ANY WORK FOUND BY THE AT&T MOBILITY REP TO BE OF INFERIOR QUALITY AND/OR WORKMANSHIP SHALL BE REPLACED AND/OR REWORKED AT CONTRACTOR EXPENSE UNTIL APPROVAL IS OBTAINED.
31. IN ORDER TO ESTABLISH STANDARDS OF QUALITY AND PERFORMANCE, ALL TYPES OF MATERIALS LISTED HEREINAFTER BY MANUFACTURER'S NAMES AND/OR MANUFACTURER'S CATALOG NUMBER SHALL BE PROVIDED BY THESE MANUFACTURERS AS SPECIFIED.
32. AT&T MOBILITY FURNISHED EQUIPMENT SHALL BE PICKED-UP AT THE AT&T MOBILITY WAREHOUSE, NO LATER THAN 48HR AFTER BEING NOTIFIED INSURED, STORED, UNCRATE, PROTECTED AND INSTALLED BY THE CONTRACTOR WITH ALL APPURTENANCES REQUIRED TO PLACE THE EQUIPMENT IN OPERATION, READY FOR USE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EQUIPMENT AFTER PICKING IT UP.
33. AT&T MOBILITY OR HIS ARCHITECT/ENGINEER RESERVES THE RIGHT TO REJECT ANY EQUIPMENT OR MATERIALS WHICH, IN HIS OWN OPINION ARE NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS, EITHER BEFORE OR AFTER INSTALLATION AND THE EQUIPMENT SHALL BE REPLACED WITH EQUIPMENT CONFORMING TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE CONTRACTOR AT NO COST TO AT&T MOBILITY OR THEIR ARCHITECT/ENGINEER.

SPECIAL CONSTRUCTION ANTENNA INSTALLATION NOTES:

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

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

AMERICAN TOWER®
A.T. ENGINEERING SERVICE, PLLC

INFINIGY
ENGINEERING, PLLC
1033 WATERVLIET SHAKER RD
ALBANY, NY 12205

REV.	DESCRIPTION	BY	DATE
A	PRELIM	MN	02/12/21
B	PRELIM	SP	02/18/21
C	PRELIM	SP	05/18/21
0	FOR CONSTRUCTION	AUD	05/27/21

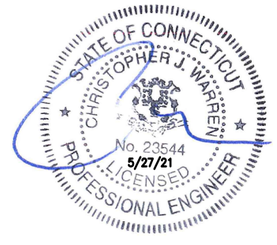
ATC SITE NUMBER:
302536

ATC SITE NAME:
CHERRY HILL-BRANFORD

AT&T MOBILITY SITE NAME:
BRANFORD WEST

SITE ADDRESS:
4 BEAVER ROAD
BRANFORD, CT 06405

SEAL:



AT&T

DATE DRAWN:	02/12/21
ATC JOB NO:	13334427_G3
CUSTOMER ID:	BRANFORD WEST
CUSTOMER #:	10035093

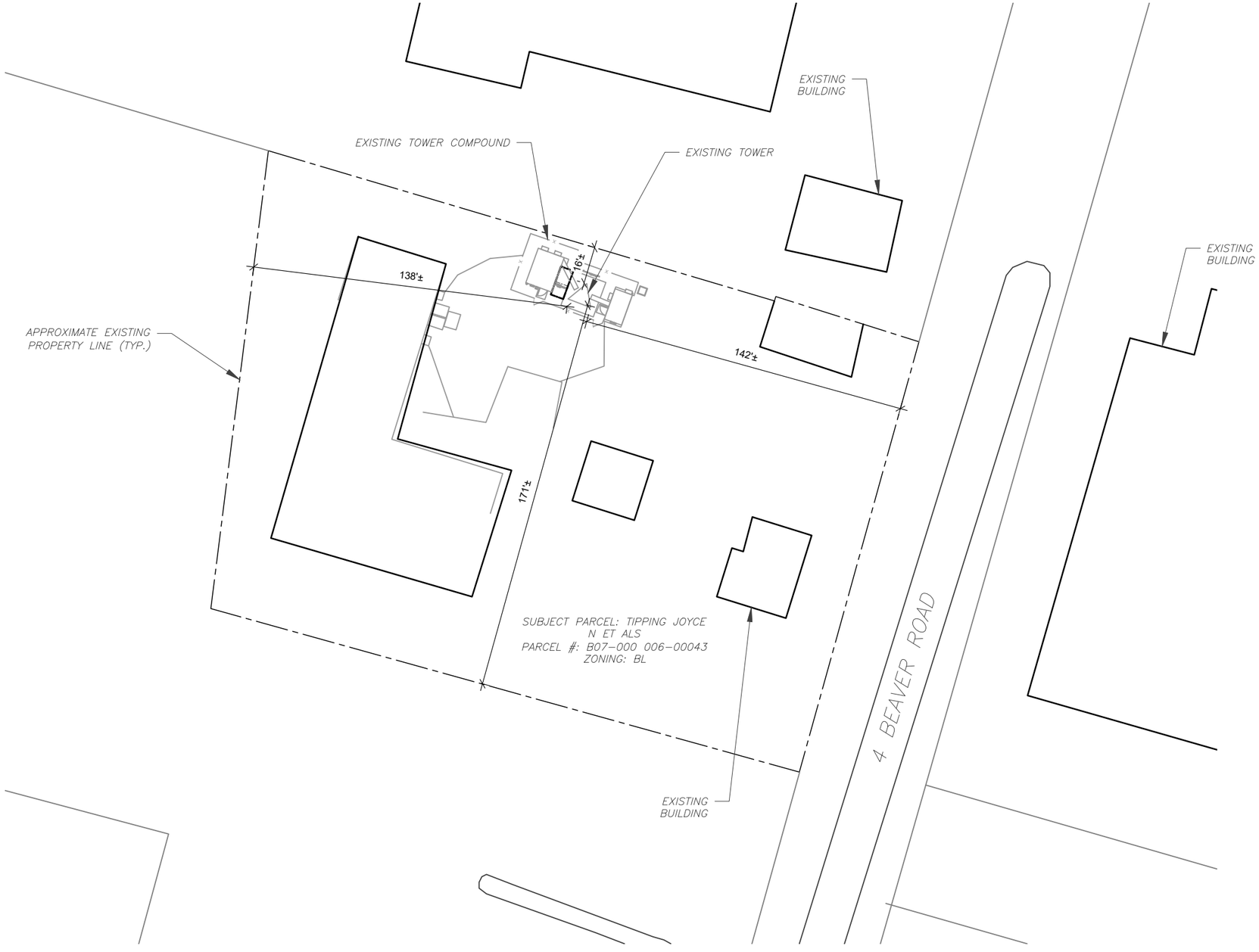
GENERAL NOTES

SHEET NUMBER:	REVISION:
G-002	0

NOTES:

1. BOUNDARY LINES OBTAINED FROM NEW HAVEN COUNTY ONLINE GIS.
2. ZONING INFORMATION OBTAINED FROM NEW HAVEN COUNTY

INFORMATION CONTAINED WITHIN THESE DRAWINGS IS BASED ON PROVIDED INFORMATION. CONTRACTOR TO VERIFY PRIOR TO CONSTRUCTION.



1 OVERALL SITE PLAN

0 50' 100'

SCALE: 1"=50' (11X17)
1"=25' (22X34)

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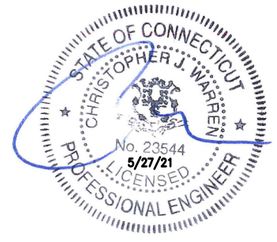

AT&T

DATE DRAWN:	02/12/21
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CUSTOMER #:	10035093

OVERALL SITE PLAN

SHEET NUMBER:	REVISION:
C-001	0

SITE PLAN NOTES:

1. THIS SITE PLAN REPRESENTS THE BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF THIS DESIGN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION AND VERIFY ALL EXISTING CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT.

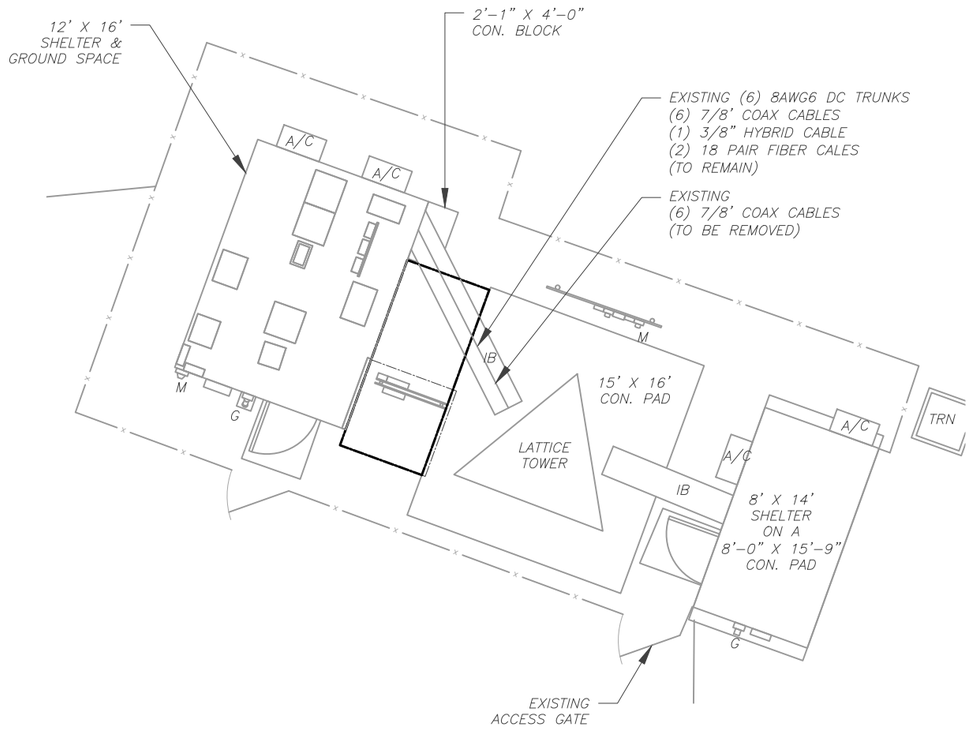
2. ICE BRIDGE, CABLE LADDER, COAX PORT, AND COAX CABLE ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL CONFIRM THE EXACT LOCATION OF ALL PROPOSED AND EXISTING EQUIPMENT AND STRUCTURES DEPICTED ON THIS PLAN. BEFORE UTILIZING EXISTING CABLE SUPPORTS, COAX PORTS, INSTALLING NEW PORTS OR ANY OTHER EQUIPMENT, CONTRACTOR SHALL VERIFY ALL ASPECTS OF THE COMPONENTS MEET THE ATC SPECIFICATIONS.

3. NO ELECTRICAL SCOPE IS INCLUDED IN THIS PROJECT.

INFORMATION CONTAINED WITHIN THESE DRAWINGS IS BASED ON PROVIDED INFORMATION. CONTRACTOR TO VERIFY PRIOR TO CONSTRUCTION.

LEGEND

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



1 DETAILED SITE PLAN

0 10' 20'

SCALE: 1"=10' (11X17)
1"=5' (22X34)

PROPOSED CABLE LENGTH:

1. ESTIMATED LENGTH OF PROPOSED CABLE IS **145'**. ESTIMATED LENGTH OF CABLE WAS PROVIDED BY CUSTOMER OR CALCULATED BY ADDING THE RAD CENTER AND THE DISTANCE FROM THE SHELTER ENTRY PLATE TO THE TOWER (ALONG THE ICE BRIDGE) AND A SAFETY FACTOR MEASUREMENT OF 15% (OF THE TWO PREVIOUS VALUES), CDS DEFER TO GREATEST CABLE LENGTH.
2. ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. WHERE POSSIBLE UTILIZE EXISTING CABLE SUPPORT STRUCTURES AS PROVIDED FOR CARRIER TO ADEQUATELY SECURE CABLES, USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER. OTHERWISE, ATTACH CABLES TO HORIZONTAL OR DIAGONAL TOWER MEMBERS USING PROPOSED STAINLESS STEEL ADAPTERS (DO NOT ATTACH TO TOWER LEG).

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AT&T MOBILITY SITE NAME:
BRANFORD WEST

SITE ADDRESS:
4 BEAVER ROAD
BRANFORD, CT 06405

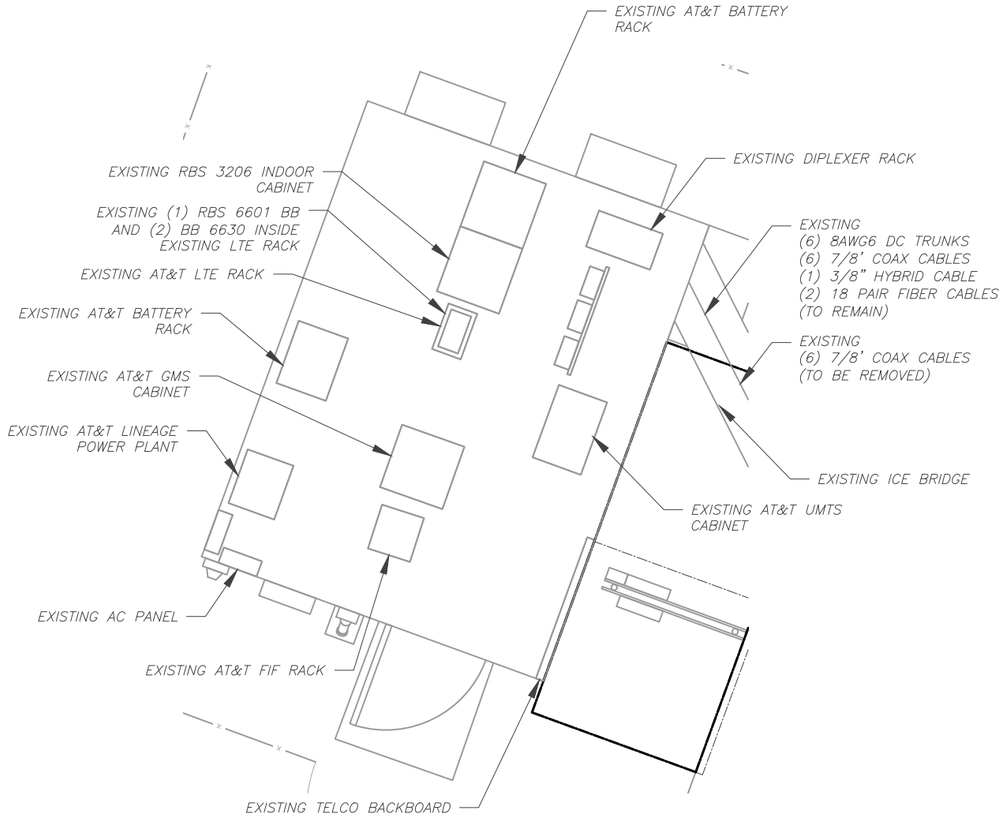
SEAL:

AT&T

DATE DRAWN:	02/12/21
ATC JOB NO:	13334427_G3
CUSTOMER ID:	BRANFORD WEST
CUSTOMER #:	10035093

DETAILED SITE PLAN

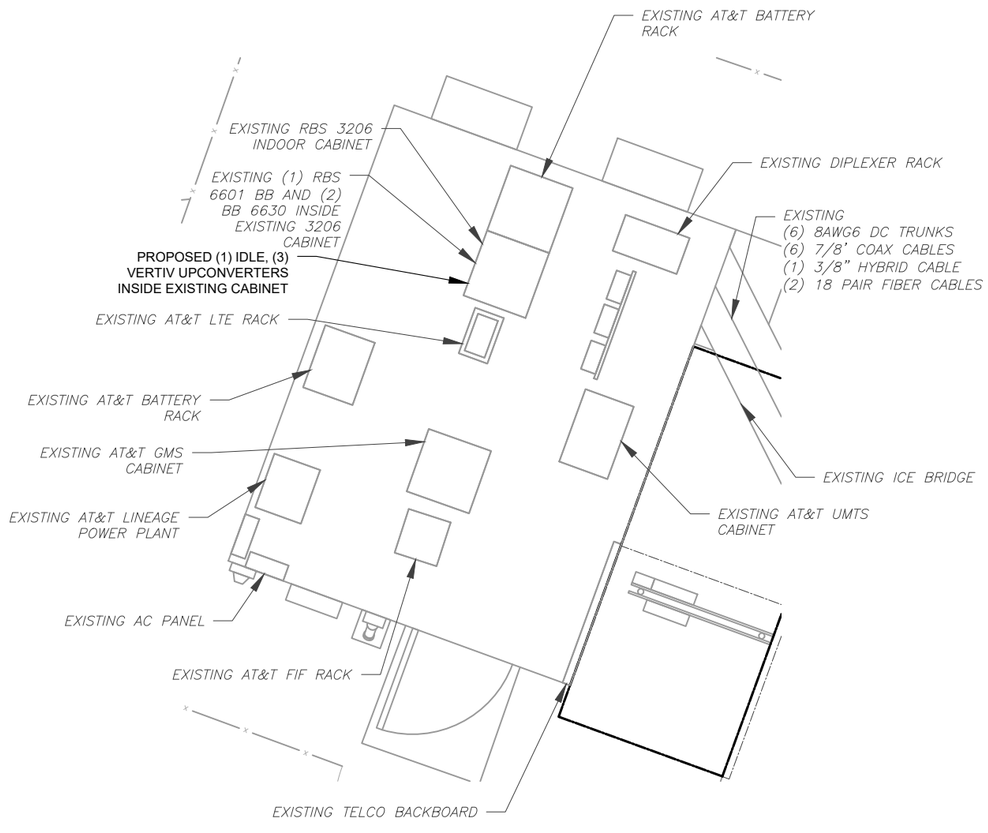
SHEET NUMBER:	REVISION:
C-101	0



1 EXISTING GROUND EQUIPMENT LAYOUT

0 5' 10'

SCALE: 1"=5' (11X17)
1"=2.5' (22X34)



2 PROPOSED GROUND EQUIPMENT LAYOUT

0 5' 10'

SCALE: 1"=5' (11X17)
1"=2.5' (22X34)

INFORMATION CONTAINED WITHIN THESE DRAWINGS IS BASED ON PROVIDED INFORMATION.
CONTRACTOR TO VERIFY PRIOR TO CONSTRUCTION.

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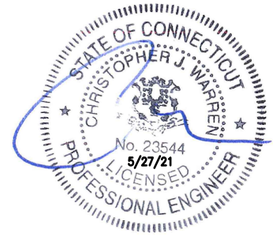
SITE ADDRESS:
4 BEAVER ROAD
BRANFORD, CT 06405

SEAL:



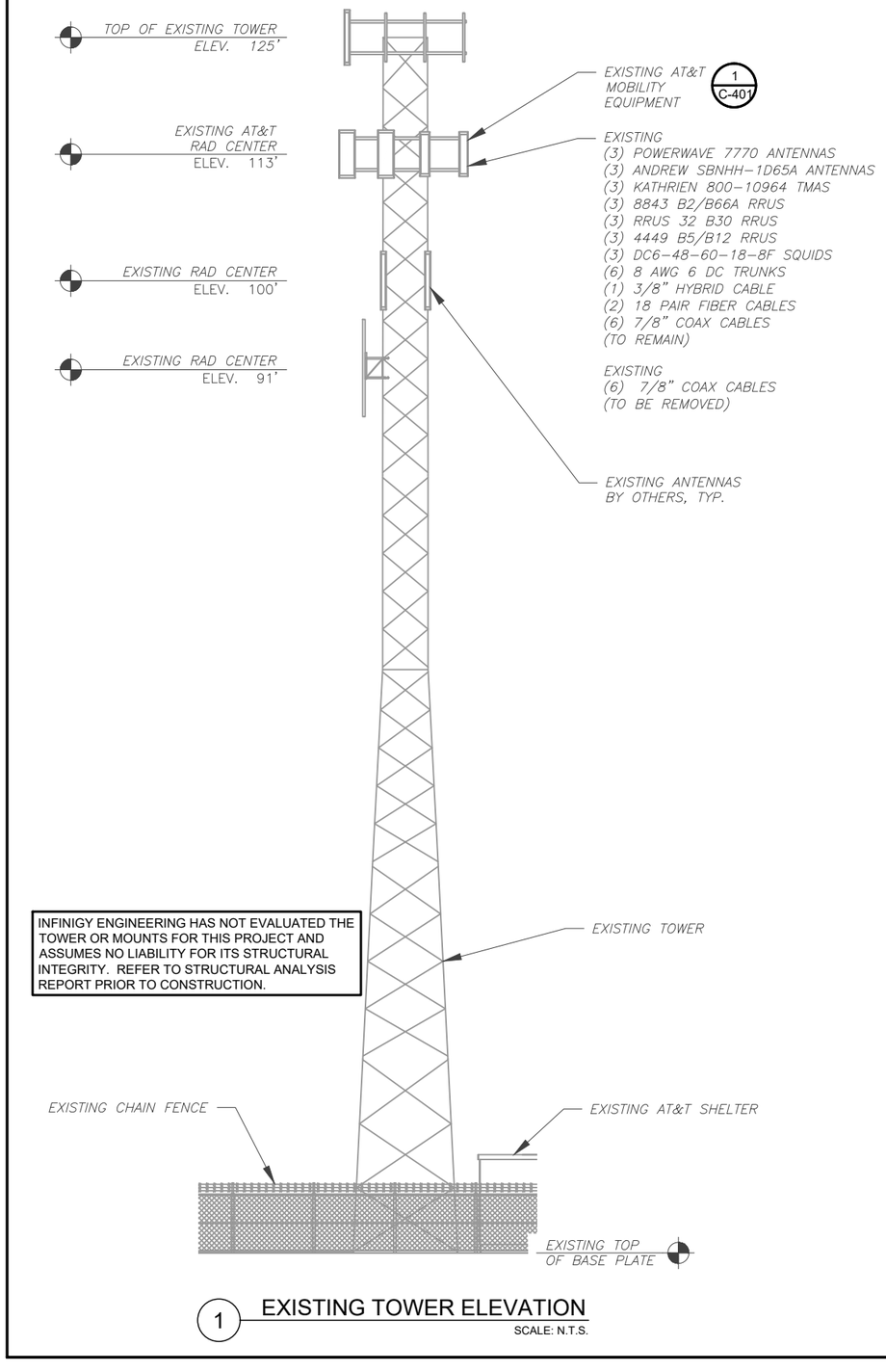
AT&T

DATE DRAWN:	02/12/21
ATC JOB NO:	13334427_G3
CUSTOMER ID:	BRANFORD WEST
CUSTOMER #:	10035093

DETAILED EQUIPMENT LAYOUT

SHEET NUMBER:	REVISION:
C-102	0

EXISTING CONFIGURATION IS BASED ON RFDS.
CONTRACTOR TO VERIFY EXISTING CONDITIONS.

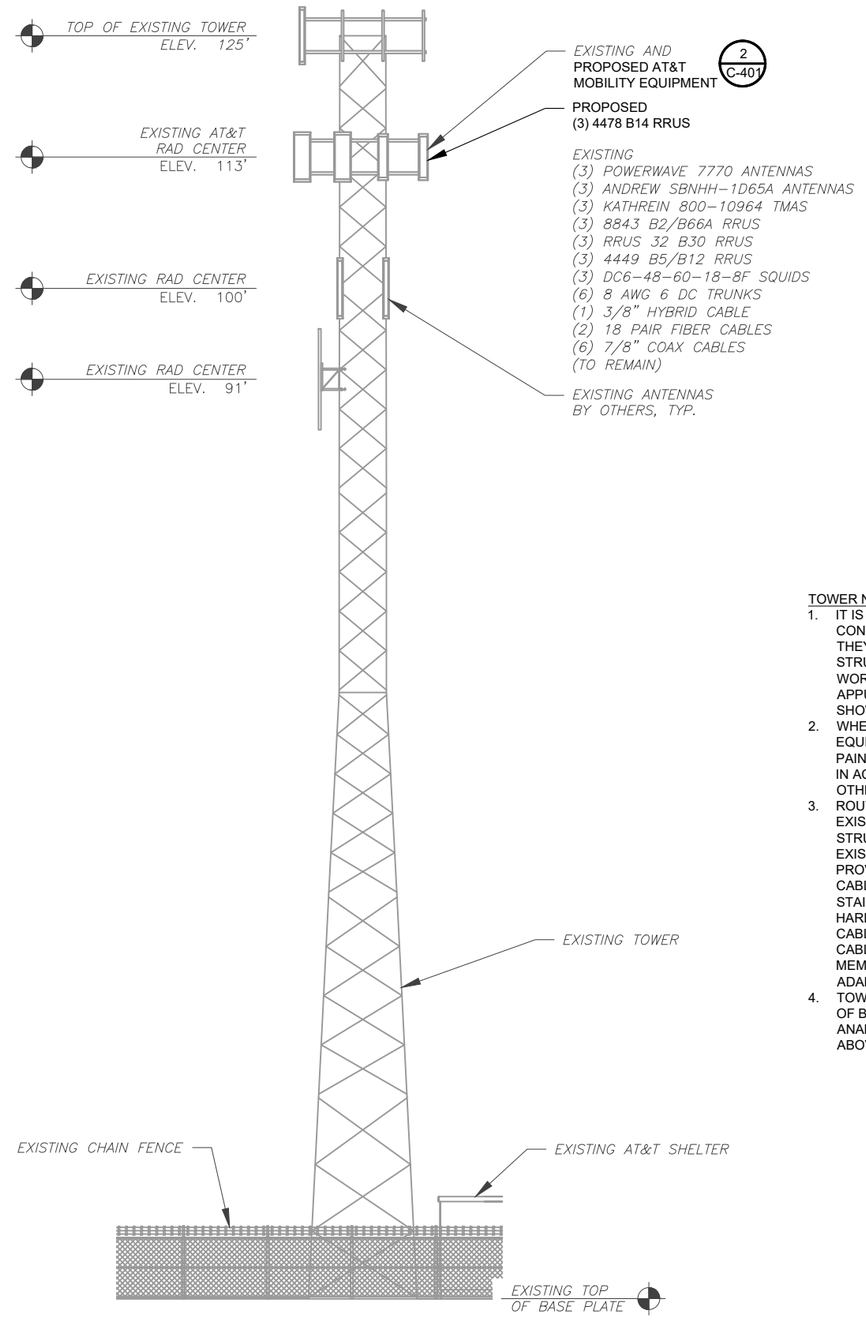


INFINIGY ENGINEERING HAS NOT EVALUATED THE TOWER OR MOUNTS FOR THIS PROJECT AND ASSUMES NO LIABILITY FOR ITS STRUCTURAL INTEGRITY. REFER TO STRUCTURAL ANALYSIS REPORT PRIOR TO CONSTRUCTION.

1 EXISTING TOWER ELEVATION
SCALE: N.T.S.

PER MOUNT ANALYSIS COMPLETED BY ATC, DATED 02/04/21, THE EXISTING MOUNT CAN ADEQUATELY SUPPORT THE PROPOSED LOADING

PER STRUCTURAL ANALYSIS COMPLETED BY ATC, DATED 01/27/21, THE EXISTING TOWER CAN ADEQUATELY SUPPORT THE PROPOSED LOADING



2 PROPOSED TOWER ELEVATION
SCALE: N.T.S.

TOWER NOTE:
1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM WITH THE PROJECT MANAGER THAT THEY HAVE THE MOST RECENT VERSION OF THE STRUCTURAL ANALYSIS BEFORE COMMENCING WORK. EXISTING AND PROPOSED TOWER APPURTENANCES, MOUNTS, AND ANTENNAS ARE SHOWN BASED ON THE STRUCTURAL ANALYSIS.
2. WHERE APPLICABLE, ALL NEW ANTENNAS, EQUIPMENT, MOUNTS, CABLING, ETC. SHALL BE PAINTED/SOCKED TO MATCH EXISTING EQUIPMENT IN ACCORDANCE WITH FAA, JURISDICTION, AND/OR OTHER LOCAL REQUIREMENTS.
3. ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. WHERE POSSIBLE UTILIZE EXISTING CABLE SUPPORT STRUCTURES AS PROVIDED FOR CARRIER TO ADEQUATELY SECURE CABLES, USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER. OTHERWISE, ATTACH CABLES TO HORIZONTAL OR DIAGONAL TOWER MEMBERS USING PROPOSED STAINLESS STEEL ADAPTERS (DO NOT ATTACH TO TOWER LEG).
4. TOWER ELEVATIONS ARE MEASURED FROM TOP OF BASE PLATE TO MATCH STRUCTURAL ANALYSIS. ELEVATIONS DO NOT REFLECT TRUE ABOVE GROUND LEVEL (A.G.L.)

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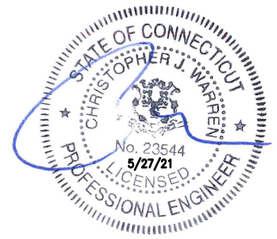
AT&T MOBILITY SITE NAME:
BRANFORD WEST

SITE ADDRESS:
4 BEAVER ROAD
BRANFORD, CT 06405

SEAL:



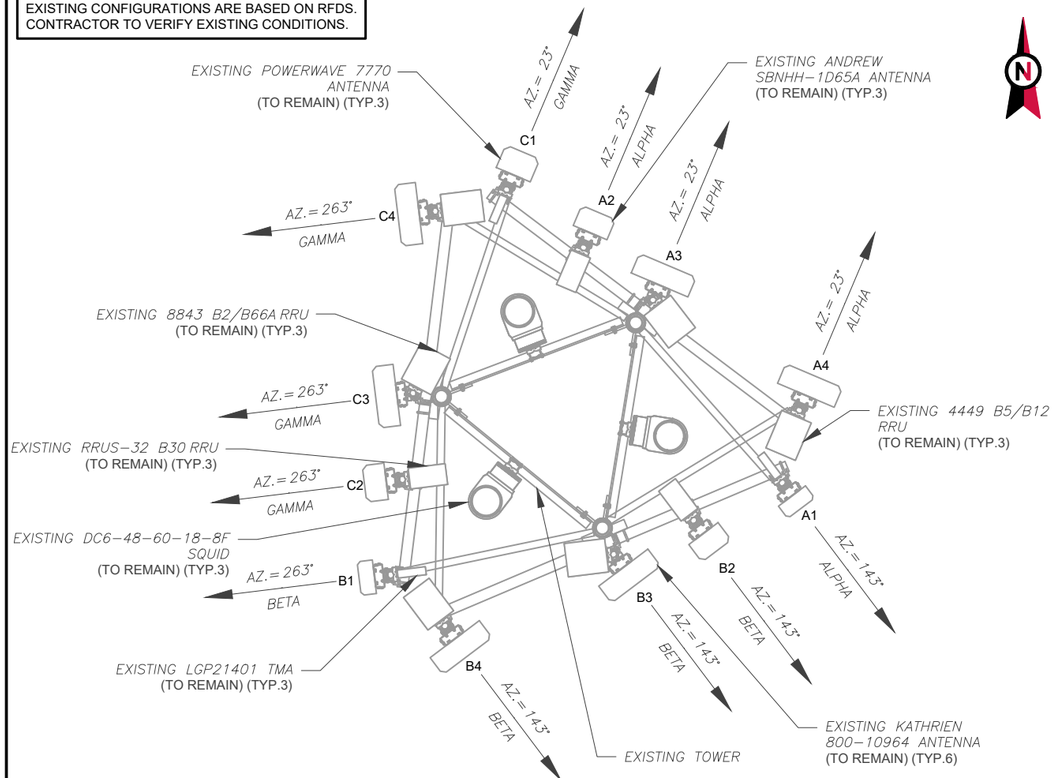
AT&T

DATE DRAWN:	02/12/21
ATC JOB NO:	13334427_G3
CUSTOMER ID:	BRANFORD WEST
CUSTOMER #:	10035093

TOWER ELEVATION

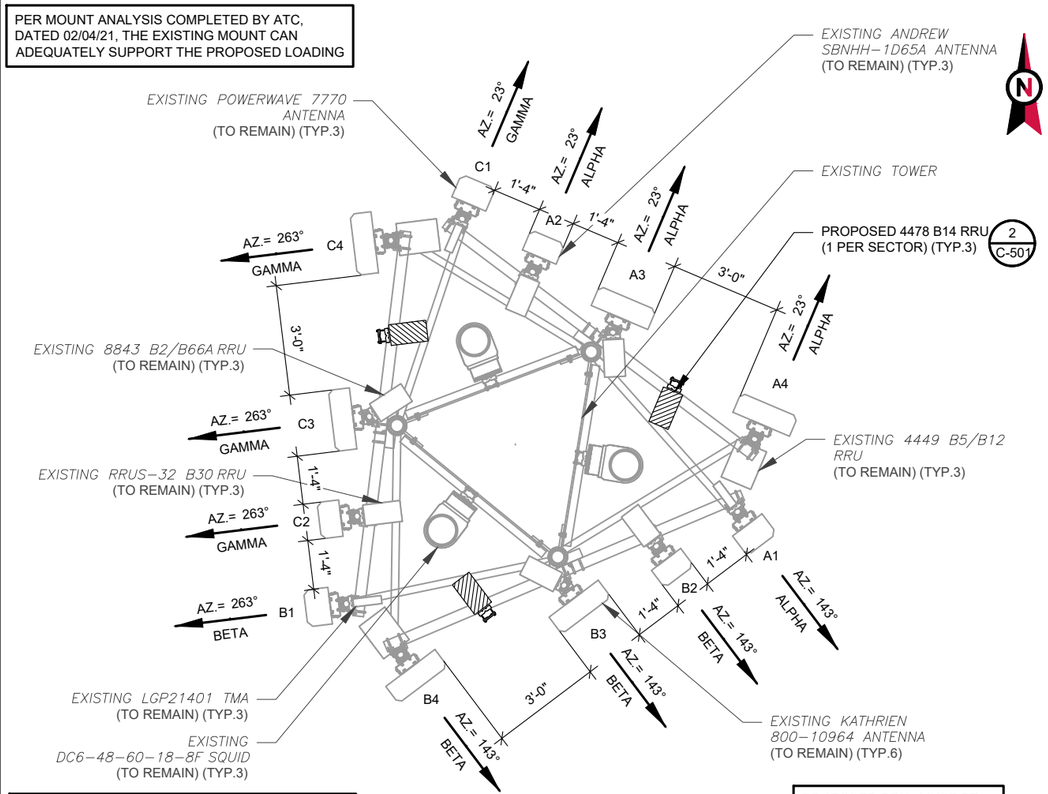
SHEET NUMBER:	REVISION:
C-201	0

EXISTING CONFIGURATIONS ARE BASED ON RFDS.
CONTRACTOR TO VERIFY EXISTING CONDITIONS.



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

PER MOUNT ANALYSIS COMPLETED BY ATC, DATED 02/04/21, THE EXISTING MOUNT CAN ADEQUATELY SUPPORT THE PROPOSED LOADING



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

PER STRUCTURAL ANALYSIS COMPLETED BY ATC, DATED 01/27/21, THE EXISTING TOWER CAN ADEQUATELY SUPPORT THE PROPOSED LOADING

PROPOSED RRUs MUST BE INSTALLED A MINIMUM OF 12" AWAY FROM ALL ANTENNAS

EXISTING ANTENNA SCHEDULE

LOCATION			ANTENNA SUMMARY				NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	113'	143°	A1	POWERWAVE 7770	UMTS 850	RMN	LGP21401 TMA	RMN
		23°	A2	ANDREW SBNHH-1D65A	LTE WCS	RMN	RRUS-32 B30	RMN
			A3	KATHRIEN 800-10964	LTE 1900	RMN	8843 B2/B66A	RMN
			A4	KATHRIEN 800-10964	LTE 700/ LTE 850 LTE AWS/5G 850	RMN	4449 B5/B12	RMN
BETA	113'	263°	B1	POWERWAVE 7770	UMTS 850	RMN	LGP21401 TMA	RMN
		143°	B2	ANDREW SBNHH-1D65A	LTE WCS	RMN	RRUS-32 B30	RMN
			B3	KATHRIEN 800-10964	LTE 1900	RMN	8843 B2/B66A	RMN
			B4	KATHRIEN 800-10964	LTE 700/ LTE 850 LTE AWS/5G 850	RMN	4449 B5/B12	RMN
GAMMA	113'	23°	C1	POWERWAVE 7770	UMTS 850	RMN	LGP21401 TMA	RMN
		263°	C2	ANDREW SBNHH-1D65A	LTE WCS	RMN	RRUS-32 B30	RMN
			C3	KATHRIEN 800-10964	LTE 1900	RMN	8843 B2/B66A	RMN
			C4	KATHRIEN 800-10964	LTE 700/ LTE 850 LTE AWS/5G 850	RMN	4449 B5/B12	RMN

NOTES

1. CONFIRM WITH AT&T MOBILITY REP FOR APPLICABLE UPDATES/REVISIONS AND MOST RECENT RFDS FOR NSN CONFIGURATION (CONFIG). GC TO CAP ALL UNUSED PORTS.
2. CONFIRM SPACING OF PROPOSED EQUIP DOES NOT CAUSE TOWER CONFLICTS NOR IMPEDE TOWER CLIMBING PEGS.
3. THE ANTENNA ORIENTATION PLAN IS A SCHEMATIC. ATC DID NOT CONFIRM EXISTING SITE CONDITIONS INCLUDING, BUT NOT LIMITED TO, ANTENNA AZIMUTHS, MOUNT CONFIGURATIONS AND TOWER ORIENTATION. SCALES SHOWN ARE FOR REFERENCE ONLY AND EXISTING DIMENSIONS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO INSTALLATION AND NOTIFY ATC OF ANY DISCREPANCIES.
4. CONTRACTOR TO ENSURE PROPER SEPARATION IN ACCORDANCE WITH AT&T'S FIRSTNET REQUIREMENTS (SEE SHEET R-602)

FINAL ANTENNA SCHEDULE

LOCATION			ANTENNA SUMMARY				NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	113'	143°	A1	POWERWAVE 7770	UMTS 850	RMN	LGP21401 TMA	RMN
		23°	A2	ANDREW SBNHH-1D65A	LTE WCS	RMN	RRUS-32 B30	RMN
			A3	KATHRIEN 800-10964	LTE 700/LTE 1900	RMN	4478 B14 8843 B2/B66A	ADD RMN
			A4	KATHRIEN 800-10964	LTE 700/ LTE 850 LTE AWS/5G 850	RMN	4449 B5/B12	RMN
BETA	113'	236°	B1	POWERWAVE 7770	UMTS 850	RMN	LGP21401 TMA	RMN
		143°	B2	ANDREW SBNHH-1D65A	LTE WCS	RMN	RRUS-32 B30	RMN
			B3	KATHRIEN 800-10964	LTE 700/LTE 1900	RMN	4478 B14 8843 B2/B66A	ADD RMN
			B4	KATHRIEN 800-10964	LTE 700/ LTE 850 LTE AWS/5G 850	RMN	4449 B5/B12	RMN
GAMMA	113'	23°	C1	POWERWAVE 7770	UMTS 850	RMN	LGP21401 TMA	RMN
		263°	C2	ANDREW SBNHH-1D65A	LTE WCS	RMN	RRUS-32 B30	RMN
			C3	KATHRIEN 800-10964	LTE 700/LTE 1900	RMN	4478 B14 8843 B2/B66A	ADD RMN
			C4	KATHRIEN 800-10964	LTE 700/ LTE 850 LTE AWS/5G 850	RMN	4449 B5/B12	RMN

EXISTING FIBER DISTRIBUTION/SQUID		EXISTING CABLING SUMMARY			
MODEL NUMBER	STATUS	COAX	DC	FIBER	STATUS
(3) DC6-48-60-18-8F	RMN	(6) 7/8"	(6) 8 AWG 6	(2) 18 PAIR	RMN
–	–	–	(2) 8 AWG 7	–	RMN
–	–	–	(1) 3/8"	–	RMN
–	–	(6) 7/8"	–	–	RMV

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

CABLE LENGTHS FOR JUMPERS
JUNCTION BOX TO RRU: 15'
RRU TO ANTENNA: 10'

3 EQUIPMENT SCHEDULES

FINAL FIBER DISTRIBUTION/SQUID		FINAL CABLING SUMMARY			
MODEL NUMBER	STATUS	COAX	DC	FIBER	STATUS
(3) DC6-48-60-18-8F	RMN	(6) 7/8"	(6) 8 AWG 6	(2) 18 PAIR	RMN
–	–	–	(2) 8 AWG 7	–	RMN
–	–	–	(1) 3/8"	–	RMN

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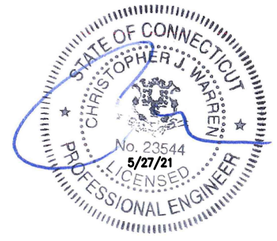

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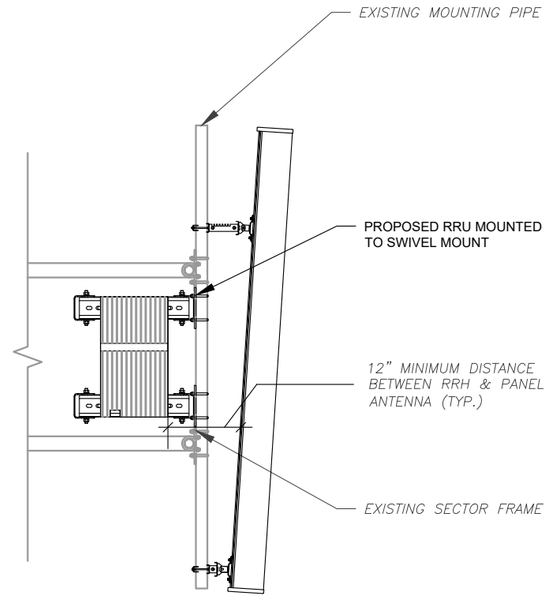
RF SCHEDULE AND ANTENNA INSTALLATION

SHEET NUMBER:	REVISION:
C-401	0



1 RRU DETAIL

SCALE: N.T.S.

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REV.	DESCRIPTION	BY	DATE
A	PRELIM	MN	02/12/21
B	PRELIM	SP	02/18/21
C	PRELIM	SP	05/18/21
0	FOR CONSTRUCTION	AUD	05/27/21

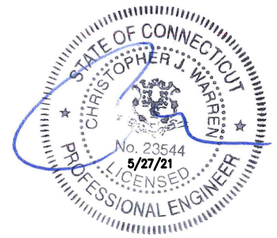
ATC SITE NUMBER:
302536

ATC SITE NAME:
CHERRY HILL-BRANFORD

AT&T MOBILITY SITE NAME:
BRANFORD WEST

SITE ADDRESS:
4 BEAVER ROAD
BRANFORD, CT 06405

SEAL:

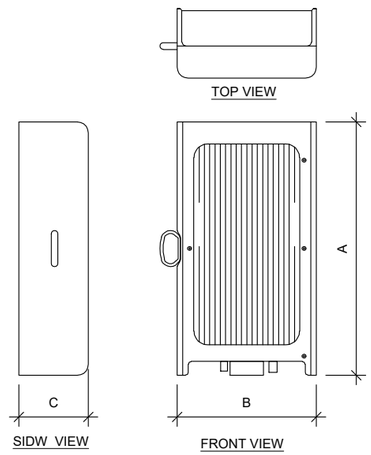


AT&T

DATE DRAWN:	02/12/21
ATC JOB NO:	13334427_G3
CUSTOMER ID:	BRANFORD WEST
CUSTOMER #:	10035093

CONSTRUCTION DETAILS

SHEET NUMBER:	REVISION:
C-501	0



RRU SPECIFICATIONS				
RRU MODEL	A	B	C	WEIGHT (LBS)
4478 B14	18.1"	13.4"	8.3"	59.4

1 EQUIPMENT SPECIFICATIONS
SCALE: N.T.S.

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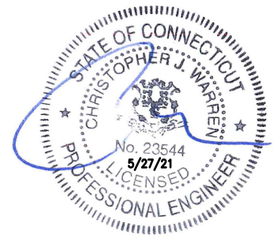

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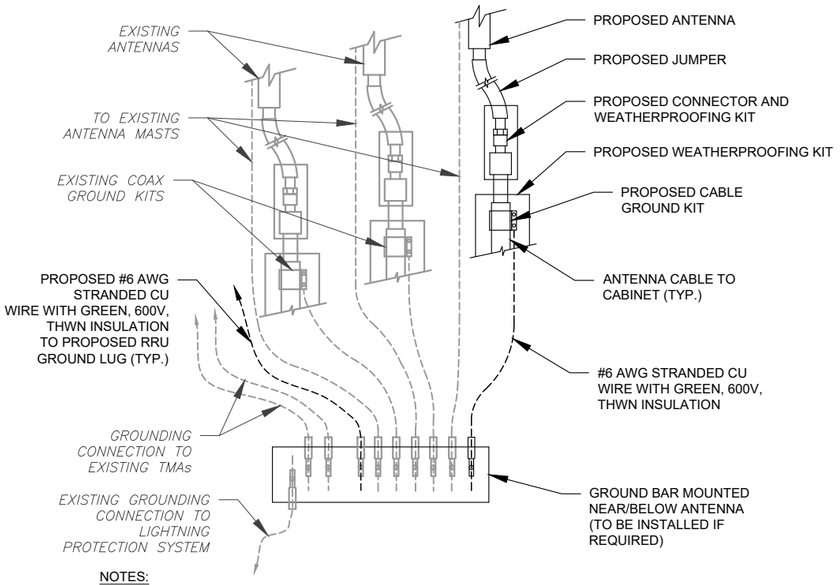
CUSTOMER #:	10035093

EQUIPMENT SPECIFICATIONS

SHEET NUMBER:	REVISION:
C-502	0

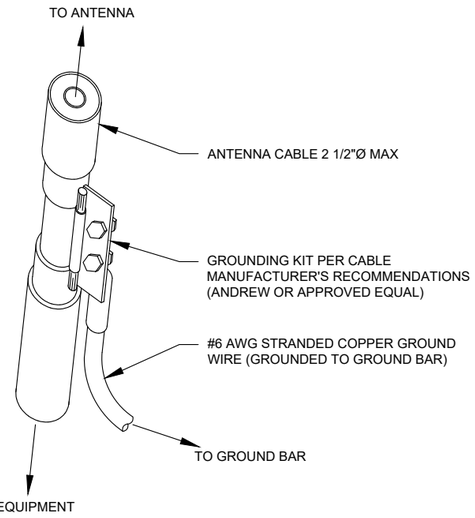


NOTES:

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

1 TYPICAL ANTENNA GROUNDING DIAGRAM

SCALE: N.T.S.

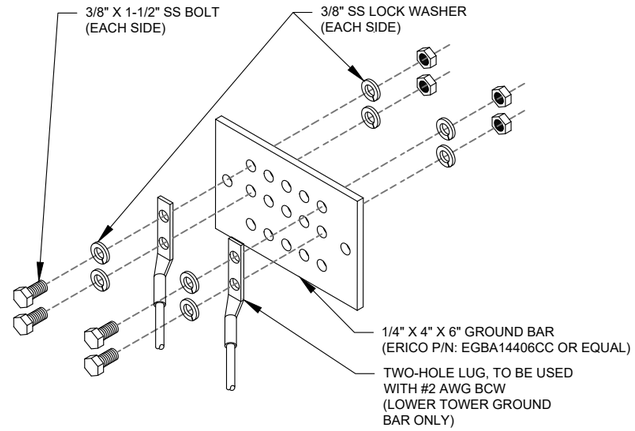


GROUND KIT NOTES:

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

2 CABLE GROUND KIT CONNECTION DETAIL

SCALE: N.T.S.



GROUND BAR NOTES:

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

3 TOWER GROUND BAR DETAIL

SCALE: N.T.S.

ELECTRICAL NOTES:

1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE T-MOBILE REPRESENTATIVE AND LOCAL UTILITY COMPANY FOR THE INSTALLATION OF CONDUITS, CONDUCTORS, BREAKERS, DISCONNECTS, OR ANY OTHER EQUIPMENT REQUIRED FOR ELECTRICAL SERVICE. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH LATEST EDITION OF THE STATE AND NATIONAL CODES, ORDINANCES AND REGULATIONS APPLICABLE TO THIS PROJECT.
2. ATC HAS NOT VERIFIED ANY EXISTING T-MOBILE GROUND EQUIPMENT OR ELECTRICAL LOADING. PROPOSED WORK BASED ON INSTALLATION CONFIGURATION PROVIDED BY T-MOBILE. CONTRACTOR TO VERIFY EXISTING T-MOBILE PANEL HAS SUFFICIENT SPACE FOR PROPOSED BREAKER. PROPOSED CABLE AND CONDUIT SHALL BE MINIMUM SIZE PER BELOW:

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

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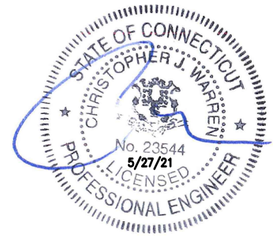
CHERRY HILL-BRANFORD

AT&T MOBILITY SITE NAME:
BRANFORD WEST

SITE ADDRESS:
4 BEAVER ROAD
BRANFORD, CT 06405

SEAL:



AT&T

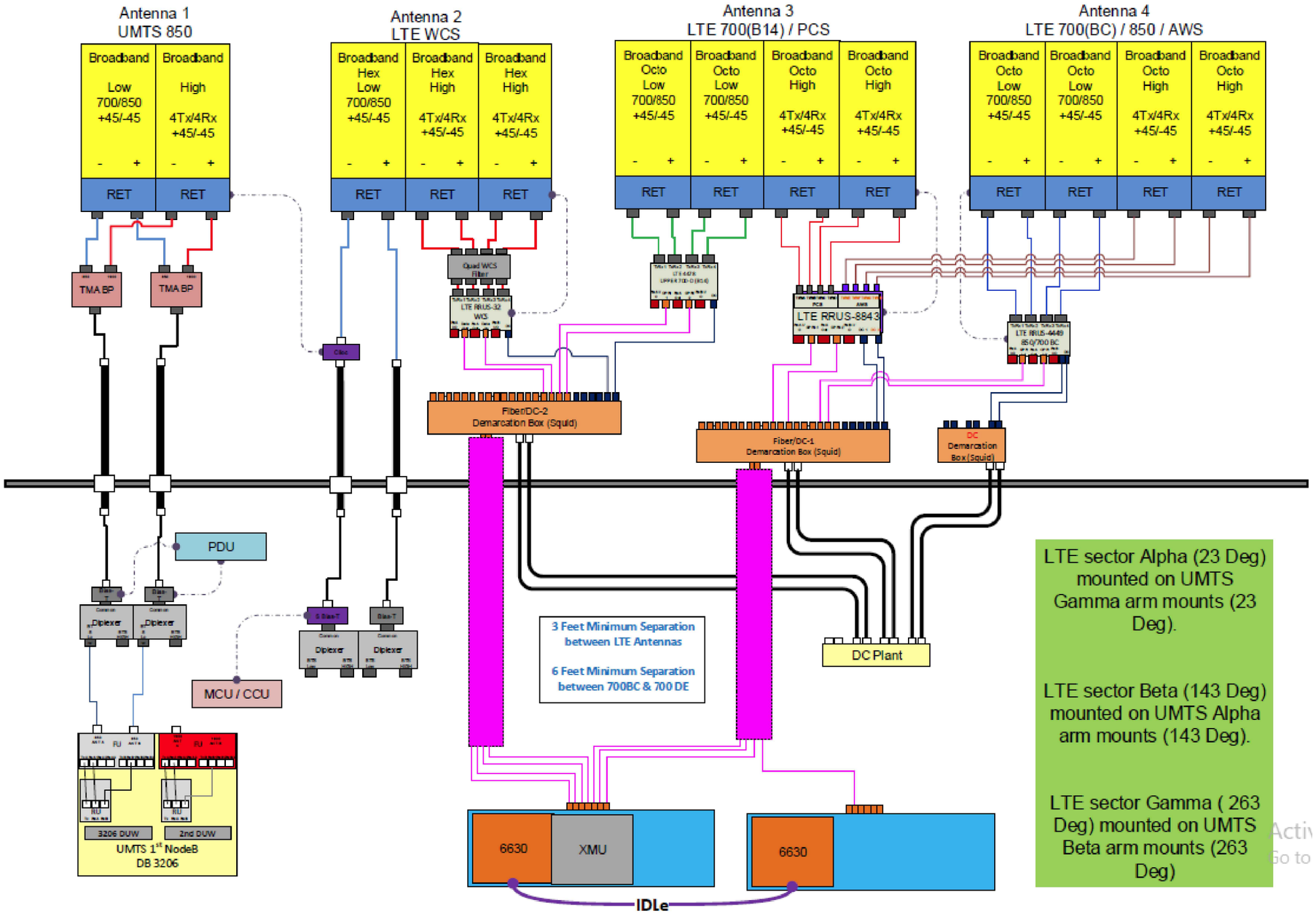
DATE DRAWN:	02/12/21
ATC JOB NO:	13334427_G3
CUSTOMER ID:	BRANFORD WEST
CUSTOMER #:	10035093

GROUNDING DETAILS

SHEET NUMBER:	REVISION:
E-501	0

Diagram - Sector	A	Diagram File Name - CT2175_A_LTE6C_wFilter_Rev.1.vsd					
Atoll Site Name -	CTL02175	Location Name -	BRANFORD WEST	Market -	CONNECTICUT	Market Cluster -	NEW ENGLAND

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



1 MOUNT ANALYSIS

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

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SITE ADDRESS:
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FOR REFERENCE ONLY

AT&T

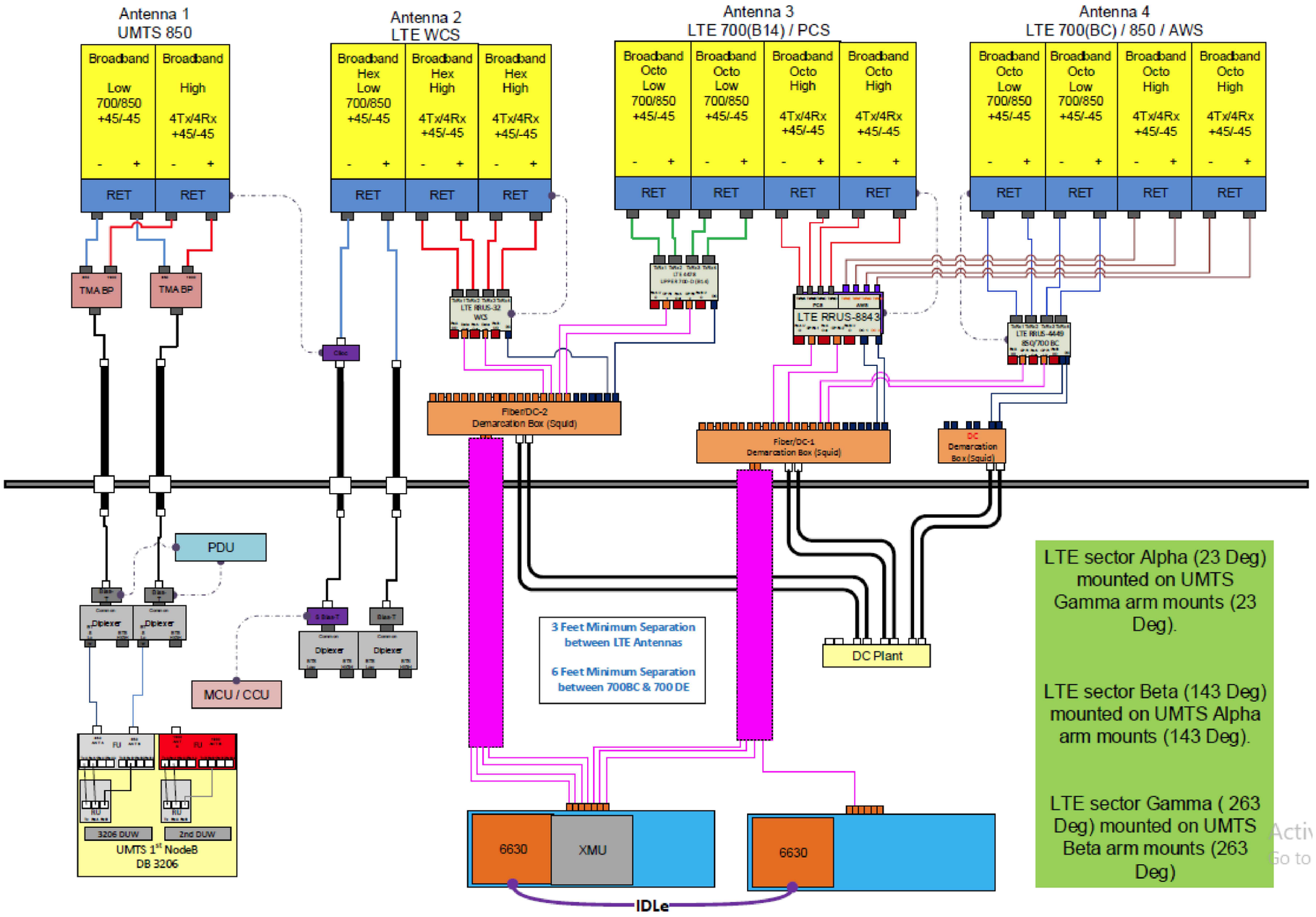
DATE DRAWN:	02/12/21
ATC JOB NO:	13334427_G3
CUSTOMER ID:	BRANFORD WEST
CUSTOMER #:	10035093

SUPPLEMENTAL

SHEET NUMBER:	REVISION:
R-601	C

Diagram - Sector	C	Diagram File Name - CT2175_BC_LTE6C_Rev.1.vsd					
Atoll Site Name -	CTL02175	Location Name -	BRANFORD WEST	Market -	CONNECTICUT	Market Cluster -	NEW ENGLAND

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



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AT&T MOBILITY SITE NAME:
BRANFORD WEST

SITE ADDRESS:
4 BEAVER ROAD
BRANFORD, CT 06405

FOR REFERENCE ONLY

AT&T

DATE DRAWN:	02/12/21
ATC JOB NO:	13334427_G3
CUSTOMER ID:	BRANFORD WEST
CUSTOMER #:	10035093

SUPPLEMENTAL

SHEET NUMBER:	REVISION:
R-602	C

AMERICAN TOWER®
CORPORATION

Antenna Mount Analysis Report

ATC Site Name	:	Cherry Hill-branford, CT
ATC Site Number	:	302536
Engineering Number	:	13334427_C8_01
Mount Elevation	:	112 ft
Carrier	:	AT&T Mobility
Carrier Site Name	:	MRCTB049213
Carrier Site Number	:	CTL02175
Site Location	:	4 Beaver Road Branford, CT 06405-3403 41.28015, -72.84173333
County	:	New Haven
Date	:	February 4, 2021
Max Usage	:	85%
Result	:	Pass

Prepared By:
Kyle MacPetrie
Structural Engineer I

Reviewed By:

STATE OF CONNECTICUT
ESHA KAUSHAL MODI
32593
LICENSED
PROFESSIONAL ENGINEER

Authorized by "EOR"
04 Feb 2021 10:03:21 cosign

COA: PEC.0001553

Introduction

The purpose of this report is to summarize results of the antenna mount analysis performed for AT&T Mobility at 112 ft.

Supporting Documents

Radio Frequency Data Sheet	RFDS ID #CTL02175, dated September 29, 2020
Reference Photos	Site photos from 2018
Other Document	Infinigy Job #499-006, dated January 21, 2019

Analysis

This antenna mount was analyzed using American Tower Corporation's Mount Analysis Program and RISA-3D

Basic Wind Speed:	121 mph (3-Second Gust)
Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ 1" radial ice concurrent
Codes:	ANSI/TIA-222-H
Exposure Category:	B
Risk Category:	II
Topographic Factor Procedure:	Method 2
Feature:	Flat
Crest Height (H):	0 ft
Crest Length (L):	0 ft
Spectral Response:	Ss = 0.201, S1 = 0.053
Site Class:	D - Stiff Soil
Live Loads:	Lm = 500 lbs, Lv = 250 lbs

Conclusion

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

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

A.T. Engineering Service, PLLC - 3500 Regency Parkway, Suite 100 - Cary, NC 27518 - 919.468.0112 Office - 919.466.5414 Fax - www.americantower.com

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ATC SITE NAME:
CHERRY HILL-BRANFORD

AT&T MOBILITY SITE NAME:
BRANFORD WEST

SITE ADDRESS:
4 BEAVER ROAD
BRANFORD, CT 06405

FOR REFERENCE ONLY

AT&T

DATE DRAWN:	02/12/21
ATC JOB NO:	13334427_G3
CUSTOMER ID:	BRANFORD WEST
CUSTOMER #:	10035093

SUPPLEMENTAL

SHEET NUMBER:	REVISION:
R-603	C

Application Loading

Mount Centerline (ft)	Antenna Centerline (ft)	Qty	Antenna Model
112.0	113.0	6	Kathrein Scala 80010964
		3	Powerwave Allgon 7770
		3	Andrew SBNHH-1D65A (33.5 lbs)
		6	Powerwave Allgon LGP21401
		1	Raycap DC6-48-60-18-8F ("Squid")
		1	Raycap DC6-48-60-18-8F
		1	Raycap DC6-48-60-0-8F
		3	Ericsson RRUS 32 (50.8 lbs)
		3	Ericsson RRUS 4478 B14
		3	Ericsson RRUS 4449 B5, B12
		3	Ericsson RRUS 8843 B2, B66A
		1	Commscope WCS-IMFQ-AMT

Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Horizontals	85%	Pass
Diagonals	10%	Pass
Tie-Backs	3%	Pass
Mount Pipes	33%	Pass

Mount Layout

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1 MOUNT ANALYSIS

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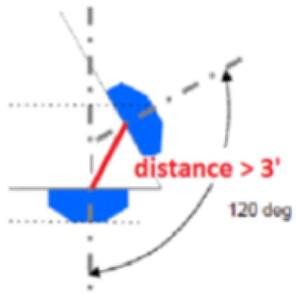
CUSTOMER ID:	BRANFORD WEST
CUSTOMER #:	10035093

SUPPLEMENTAL

SHEET NUMBER: R-604
REVISION: C

RF REQUIREMENTS FOR 700 B14 FIRSTNET, 700 B12, 700D B29 ANTENNA SEPARATION

- ❑ Horizontal separation (side to side of antenna): >= 3’
- ❑ Vertical separation (between the tips of the antennas): > 3’
- ❑ Inter-sector separation: > 3’ between the center of the antenna backplanes.



- ❑ Please note additional horizontal separation may be required if B14 antennas azimuth are different from others or antennas are severely angled with respect to the mount.
- ❑ Typical 3' horizontal separation can tolerate skew angle up to 6º.

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CUSTOMER #:	10035093

SUPPLEMENTAL

SHEET NUMBER:	REVISION:
R-605	C

EXHIBIT 2

AMERICAN TOWER®
CORPORATION

Antenna Mount Analysis Report

ATC Site Name	:	**Cherry Hill-branford, CT**
ATC Site Number	:	**302536**
Engineering Number	:	**13334427_C8_01**
Mount Elevation	:	**112 ft**
Carrier	:	**AT&T Mobility**
Carrier Site Name	:	**MRCTB049213**
Carrier Site Number	:	**CTL02175**
Site Location	:	**4 Beaver Road** **Branford, CT 06405-3403** **41.28015, -72.84173333**
County	:	**New Haven**
Date	:	**February 4, 2021**
Max Usage	:	**85%**
Result	:	**Pass**

STATE OF CONNECTICUT
ESHA KAUSHAL MODI
32593
LICENSED
PROFESSIONAL ENGINEER

Prepared By:
Kyle MacPetrie
Structural Engineer I

Reviewed By:

COA: PEC.0001553

AMERICAN TOWER®
CORPORATION

Table of Contents

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Risk Category:	II
Topographic Factor Procedure:	Method 2
Feature:	Flat
Crest Height (H):	0 ft
Crest Length (L):	0 ft
Spectral Response:	Ss = 0.201, S1 = 0.053
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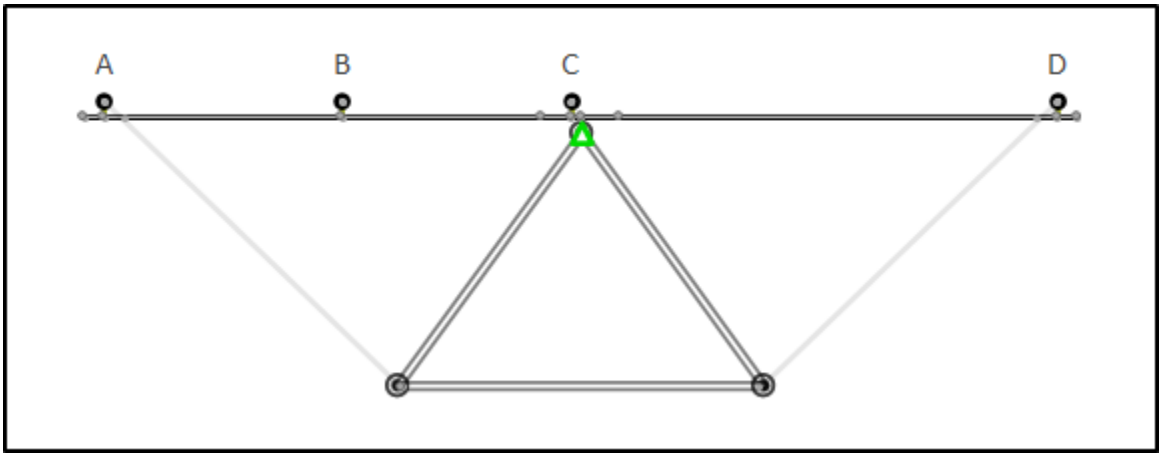
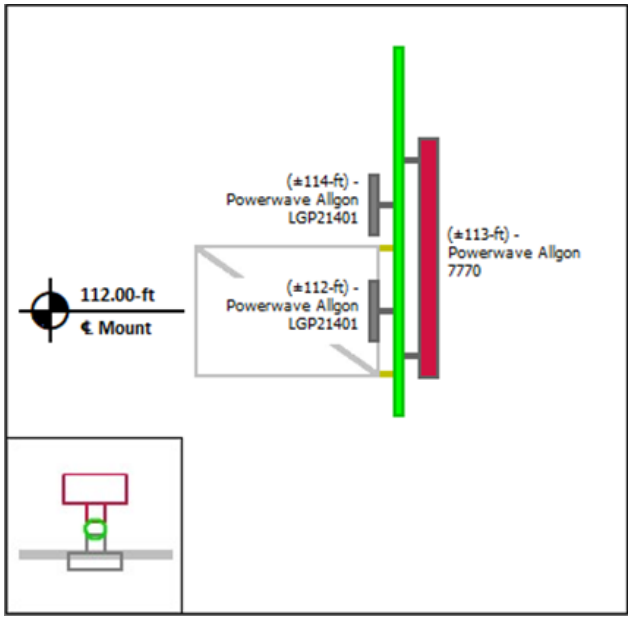
Mount Layout

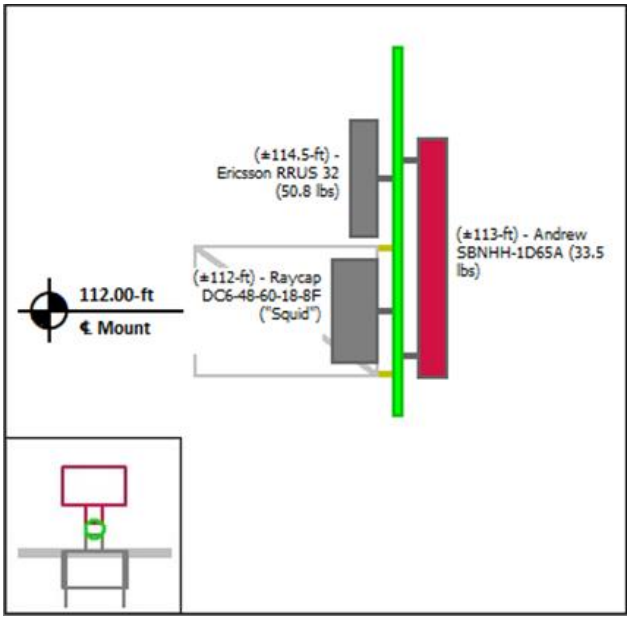


Equipment Layout

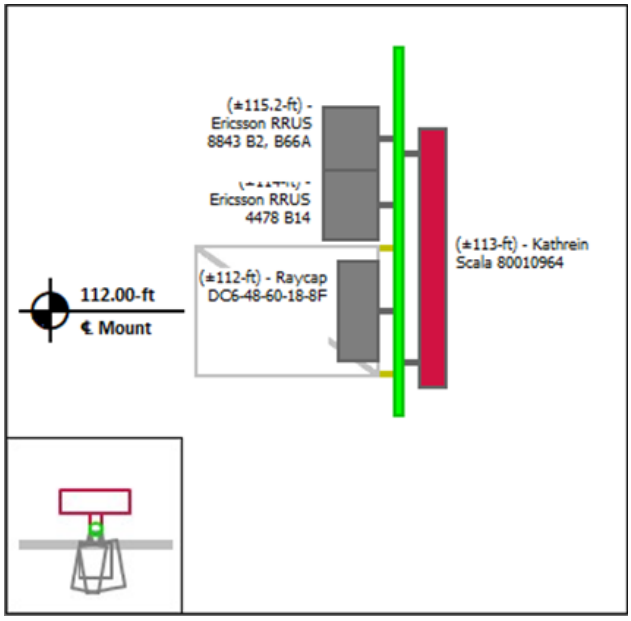
Mount Pipe A



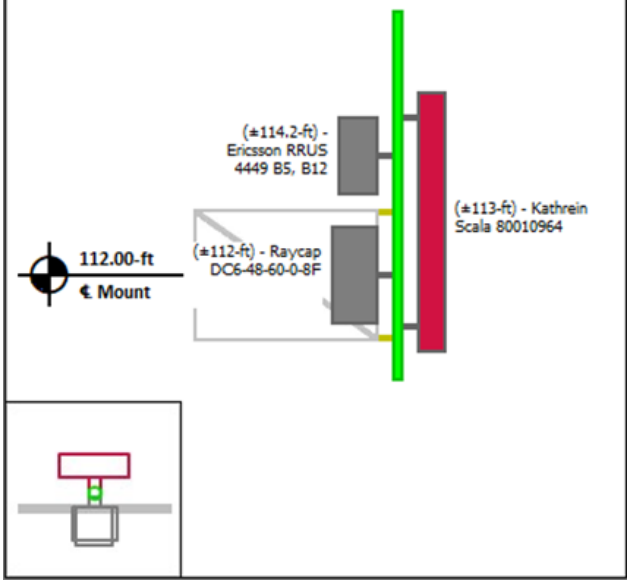
Mount Pipe B



Mount Pipe C



Mount Pipe D



Standard Conditions

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

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

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

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

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

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

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

AMERICAN TOWER®
CORPORATION

Site Number:	*302536*
Project Number:	*13334427_C8_01*
Carrier:	*AT&T Mobility*
Mount Elevation:	*112 ft*
Date:	2/4/2021

Mount Analysis Force Calculations

Wind & Ice Load Calculations			
Velocity Pressure Coefficient	K_z	1.02	
Topographic Factor	K_{zt}	1.00	
Rooftop Wind Speed-up Factor	K_s	1.00	
Shielding Factor	K_a	0.90	
Ground Elevation Factor	K_e	1.00	
Wind Direction Probability Factor	K_d	0.95	
Basic Wind Speed	V	121	mph
Velocity Pressure	q_z	36.2	psf
Height Escalation Factor	K_{iz}	1.13	
Thickness of Radial Glaze Ice	T_{iz}	1.13	in

Seismic Load Calculations			
Short Period DSRAP	S_{DS}	0.214	
1 Second DSRAP	S_{D1}	0.085	
Importance Factor	I	1.0	
Response Modification Coefficient	R	2.0	
Seismic Response Coefficient	C_S	0.107	
Amplification Factor	A	1.0	
Total Weight	W	887.6	lbs
Total Shear Force	V_S	95.1	lbs
Horizontal Seismic Load	Eh	95.1	lbs
Vertical Seismic Load	Ev	38.1	lbs

Antenna Calculations (Elevations per Application/RFDS)*

Equipment	Height	Width	Depth	Weight	EPA_N	EPA_T	EPA_{Ni}	EPA_{Ti}
Model #	in	in	in	lbs	sqft	sqft	sqft	sqft
Kathrein Scala 80010964	59.0	20.0	6.9	81.6	10.00	1.78	11.55	2.46
Powerwave Allgon 7770	55.0	11.0	5.0	35.0	5.51	1.45	6.91	2.20
Andrew SBNHH-1D65A (33.5 lbs)	55.0	11.9	7.1	33.5	5.88	1.68	7.29	2.31
Powerwave Allgon LGP21401	14.4	9.2	2.6	14.1	1.10	0.20	1.59	0.43
Raycap DC6-48-60-18-8F ("Squid")	24.0	11.0	11.0	31.8	2.20	2.20	2.90	2.90
Raycap DC6-48-60-18-8F	23.5	9.7	9.7	20.0	1.90	1.90	2.57	2.57
Raycap DC6-48-60-0-8F	22.3	11.0	11.0	32.8	2.04	2.04	2.71	2.71
Ericsson RRUS 32 (50.8 lbs)	26.7	12.1	6.7	50.8	2.69	1.57	3.47	2.28
Ericsson RRUS 4478 B14	16.5	13.4	7.7	59.9	1.84	1.06	2.45	1.56
Ericsson RRUS 4449 B5, B12	17.9	13.2	9.4	71.0	1.97	1.40	2.60	1.96
Ericsson RRUS 8843 B2, B66A	14.9	13.2	10.9	72.0	1.64	1.35	2.21	1.88
Commscope WCS-IMFQ-AMT	11.2	10.6	6.9	29.5	N/A	N/A	N/A	N/A

**** Equipment with EPA values N/A were not considered in the mount analysis***

Joint Coordinates and Temperatures

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From ...
1	N001	84	84	84	0	
2	N002	84	84	87	0	
3	N003	159	84	87	0	
4	N004	9	84	87	0	
5	N005	84	54	84	0	
6	N006	84	54	87	0	
7	N007	159	54	87	0	
8	N008	9	54	87	0	
9	N009	90	84	87	0	
10	N010	78	84	87	0	
11	N011	153	54	87	0	
12	N012	15	54	87	0	
13	N013	156	84	90	0	
14	N014	120	84	90	0	
15	N015	85.5	84	90	0	
16	N016	12	84	90	0	
17	N017	111	84	36	0	
18	N018	156	84	87	0	
19	N019	156	54	90	0	
20	N020	156	54	87	0	
21	N021	156	129	90	0	
22	N022	156	45	90	0	
23	N023	120	84	87	0	
24	N024	120	54	90	0	
25	N025	120	54	87	0	
26	N026	120	129	90	0	
27	N027	120	45	90	0	
28	N028	85.5	84	87	0	
29	N029	85.5	54	90	0	
30	N030	85.5	54	87	0	
31	N031	85.5	129	90	0	
32	N032	85.5	45	90	0	
33	N033	12	84	87	0	
34	N034	12	54	90	0	
35	N035	12	54	87	0	
36	N036	12	129	90	0	
37	N037	12	45	90	0	
38	N038	12	78	90	0	
39	N039	57	78	36	0	
40	N040	111	78	36	0	
41	N041	156	78	90	0	

Joint Boundary Conditions

	Joint Label	X [lb/in]	Y [lb/in]	Z [lb/in]	X Rot.[k-in/rad]	Y Rot.[k-in/rad]	Z Rot.[k-in/rad]
1	N001	Reaction	Reaction	Reaction	Reaction		Reaction
2	N005	Reaction	Reaction	Reaction	Reaction		Reaction
3	N039	Reaction	Reaction	Reaction			
4	N040	Reaction	Reaction	Reaction			

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	H001	N002	N001			RIGID	None	None	RIGID	Typical
2	H002	N003	N004		90	L3x3x4	Beam	None	A36	Typical
3	H003	N006	N005			RIGID	None	None	RIGID	Typical
4	H004	N007	N008			L3x3x4	Beam	None	A36	Typical
5	D005	N009	N011			L2x2x4	Column	None	A36	Typical
6	D006	N010	N012		90	L2x2x4	Column	None	A36	Typical
7	U007	N013	N018			(1) 1/2 U-Bolt	Beam	None	A36	Typical
8	U008	N019	N020			(1) 1/2 U-Bolt	Beam	None	A36	Typical
9	MP009	N021	N022			PIPE_2.0	Column	None	A53 Gr. B	Typical
10	U010	N014	N023			(1) 1/2 U-Bolt	Beam	None	A36	Typical
11	U011	N024	N025			(1) 1/2 U-Bolt	Beam	None	A36	Typical
12	MP012	N026	N027			PIPE_2.0	Column	None	A53 Gr. B	Typical
13	U013	N015	N028			(1) 1/2 U-Bolt	Beam	None	A36	Typical
14	U014	N029	N030			(1) 1/2 U-Bolt	Beam	None	A36	Typical
15	MP015	N031	N032			PIPE_2.0	Column	None	A53 Gr. B	Typical
16	U016	N016	N033			(1) 1/2 U-Bolt	Beam	None	A36	Typical
17	U017	N034	N035			(1) 1/2 U-Bolt	Beam	None	A36	Typical
18	MP018	N036	N037			PIPE_2.0	Column	None	A53 Gr. B	Typical
19	TB019	N038	N039			PIPE_2.0	Beam	None	A53 Gr. B	Typical
20	TB020	N041	N040			PIPE_2.0	Beam	None	A53 Gr. B	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	H001						Yes	** NA **			None
2	H002						Yes				None
3	H003						Yes	** NA **			None
4	H004						Yes				None
5	D005	BenPIN	BenPIN				Yes	** NA **			None
6	D006	BenPIN	BenPIN				Yes	** NA **			None
7	U007	OOOXOO					Yes			Exclude	None
8	U008	OOOXOO					Yes			Exclude	None
9	MP009						Yes	** NA **			None
10	U010	OOOXOO					Yes			Exclude	None
11	U011	OOOXOO					Yes			Exclude	None
12	MP012						Yes	** NA **			None
13	U013	OOOXOO					Yes			Exclude	None
14	U014	OOOXOO					Yes			Exclude	None
15	MP015						Yes	** NA **			None
16	U016	OOOXOO					Yes			Exclude	None
17	U017	OOOXOO					Yes			Exclude	None
18	MP018						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...
19	TB019	BenPIN					Yes				None
20	TB020	BenPIN					Yes				None

Hot Rolled Steel Design Parameters

	Label	Shape	Length[in]	Lbyy[in]	Lbzz[in]	Lcomp top[in]	Lcomp bot[in]	L-torqu...	Kyy	Kzz	Cb	Function
1	H002	L3x3x4	150						1	1		Lateral
2	H004	L3x3x4	150						1	1		Lateral
3	D005	L2x2x4	69.778						1	1		Lateral
4	D006	L2x2x4	69.778						1	1		Lateral
5	U007	(1) 1/2 U-Bolt	3						.5	.5		Lateral
6	U008	(1) 1/2 U-Bolt	3						.5	.5		Lateral
7	MP009	PIPE_2.0	84						2.1	2.1		Lateral
8	U010	(1) 1/2 U-Bolt	3						.5	.5		Lateral
9	U011	(1) 1/2 U-Bolt	3						.5	.5		Lateral
10	MP012	PIPE_2.0	84						2.1	2.1		Lateral
11	U013	(1) 1/2 U-Bolt	3						.5	.5		Lateral
12	U014	(1) 1/2 U-Bolt	3						.5	.5		Lateral
13	MP015	PIPE_2.0	84						2.1	2.1		Lateral
14	U016	(1) 1/2 U-Bolt	3						.5	.5		Lateral
15	U017	(1) 1/2 U-Bolt	3						.5	.5		Lateral
16	MP018	PIPE_2.0	84						2.1	2.1		Lateral
17	TB019	PIPE_2.0	70.292						1	1		Lateral
18	TB020	PIPE_2.0	70.292						1	1		Lateral

Hot Rolled Steel Properties

	Label	E [psi]	G [psi]	Nu	Therm (/1E...	Density[lb/f...	Yield[psi]	Ry	Fu[psi]	Rt
1	A36	2.9e+7	1.115e+7	.3	.65	490	36000	1.5	58000	1.2
2	A572-50	2.9e+7	1.115e+7	.3	.65	490	50000	1.1	65000	1.1
3	A500 Gr. B [RND]	2.9e+7	1.115e+7	.3	.65	527	42000	1.4	58000	1.3
4	A500 Gr. B [SQR]	2.9e+7	1.115e+7	.3	.65	527	46000	1.4	58000	1.3
5	A500 Gr. C	2.9e+7	1.115e+7	.3	.65	190	46000	1.4	62000	1.3
6	A1085	2.9e+7	1.115e+7	.3	.65	490	50000	1.1	65000	1.1
7	A53 Gr. B	2.9e+7	1.115e+7	.3	.65	490	35000	1.6	60000	1.2
8	A992	2.9e+7	1.115e+7	.3	.65	490	50000	1.1	65000	1.1
9	SAE J429 Gr. 2	2.9e+7	1.115e+7	.3	.65	490	57000	1.1	74000	1.1

Joint Loads and Enforced Displacements (BLC 44 : Lv (3))

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*s^...
1	N004	L	Y	-250

Joint Loads and Enforced Displacements (BLC 45 : Lm (1))

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*s^...
1	N021	L	Y	-500

Joint Loads and Enforced Displacements (BLC 46 : Lm (2))

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

Joint Loads and Enforced Displacements (BLC 46 : Lm (2)) (Continued)

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*s^...
1	N026	L	Y	-500

Joint Loads and Enforced Displacements (BLC 47 : Lm (3))

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*s^...
1	N031	L	Y	-500

Joint Loads and Enforced Displacements (BLC 48 : Lm (4))

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*s^...
1	N036	L	Y	-500

Member Point Loads (BLC 1 : D)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP009	Y	-14.1	35.25
2	MP009	Y	-14.1	59.25
3	MP009	Y	-17.5	25.25
4	MP009	Y	-17.5	69.25
5	MP012	Y	-16.75	25.25
6	MP012	Y	-16.75	69.25
7	MP012	Y	-31.8	59.25
8	MP012	Y	-50.8	29.25
9	MP015	Y	-40.8	23.65
10	MP015	Y	-40.8	70.85
11	MP015	Y	-20	59.25
12	MP015	Y	-59.9	35.25
13	MP015	Y	-72	20.25
14	MP018	Y	-40.8	23.65
15	MP018	Y	-40.8	70.85
16	MP018	Y	-32.8	59.25
17	MP018	Y	-71	32.25

Member Point Loads (BLC 2 : Di)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP009	Y	-18.929	35.25
2	MP009	Y	-18.929	59.25
3	MP009	Y	-40.344	25.25
4	MP009	Y	-40.344	69.25
5	MP012	Y	-47.721	25.25
6	MP012	Y	-47.721	69.25
7	MP012	Y	-55.577	59.25
8	MP012	Y	-50.658	29.25
9	MP015	Y	-70.538	23.65
10	MP015	Y	-70.538	70.85
11	MP015	Y	-47.805	59.25
12	MP015	Y	-39.694	35.25
13	MP015	Y	-43.712	20.25
14	MP018	Y	-70.538	23.65
15	MP018	Y	-70.538	70.85
16	MP018	Y	-52.554	59.25
17	MP018	Y	-45.841	32.25

Member Point Loads (BLC 3 : W 0)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP009	Z	-18.046	35.25
2	MP009	Z	-18.046	59.25
3	MP009	Z	-90.043	25.25
4	MP009	Z	-90.043	69.25
5	MP012	Z	-96.162	25.25
6	MP012	Z	-96.162	69.25
7	MP012	Z	-35.962	59.25
8	MP012	Z	-44.008	29.25
9	MP015	Z	-163.417	23.65
10	MP015	Z	-163.417	70.85
11	MP015	Z	-31.051	59.25
12	MP015	Z	-22.274	35.25
13	MP015	Z	-26.44	20.25
14	MP018	Z	-163.417	23.65
15	MP018	Z	-163.417	70.85
16	MP018	Z	-33.415	59.25
17	MP018	Z	-32.186	32.25

Member Point Loads (BLC 4 : W 30)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP009	Z	-14.947	35.25
2	MP009	X	-17.26	35.25
3	MP009	Z	-14.947	59.25
4	MP009	X	-17.26	59.25
5	MP009	Z	-77.822	25.25
6	MP009	Z	-77.822	69.25
7	MP009	X	-44.932	25.25
8	MP009	X	-44.932	69.25
9	MP012	Z	-84.029	25.25
10	MP012	Z	-84.029	69.25
11	MP012	X	-48.515	25.25
12	MP012	X	-48.515	69.25
13	MP012	Z	-42.542	59.25
14	MP012	X	-49.125	59.25
15	MP012	Z	-44.137	29.25
16	MP012	X	-50.967	29.25
17	MP015	Z	-135.167	23.65
18	MP015	Z	-135.167	70.85
19	MP015	X	-78.041	23.65
20	MP015	X	-78.041	70.85
21	MP015	Z	-36.733	59.25
22	MP015	X	-42.417	59.25
23	MP015	Z	-28.246	35.25
24	MP015	X	-32.617	35.25
25	MP015	Z	-25.939	20.25
26	MP015	X	-29.952	20.25
27	MP018	Z	-135.167	23.65
28	MP018	Z	-135.167	70.85
29	MP018	X	-78.041	23.65
30	MP018	X	-78.041	70.85
31	MP018	Z	-39.529	59.25

Member Point Loads (BLC 4 : W 30) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
32	MP018	X	-45.645	59.25
33	MP018	Z	-34.063	32.25
34	MP018	X	-39.334	32.25

Member Point Loads (BLC 5 : W 60)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP009	Z	-5.924	35.25
2	MP009	X	-20.521	35.25
3	MP009	Z	-5.924	59.25
4	MP009	X	-20.521	59.25
5	MP009	Z	-32.803	25.25
6	MP009	Z	-32.803	69.25
7	MP009	X	-56.814	25.25
8	MP009	X	-56.814	69.25
9	MP012	Z	-35.95	25.25
10	MP012	Z	-35.95	69.25
11	MP012	X	-62.266	25.25
12	MP012	X	-62.266	69.25
13	MP012	Z	-24.562	59.25
14	MP012	X	-85.084	59.25
15	MP012	Z	-22.134	29.25
16	MP012	X	-76.673	29.25
17	MP015	Z	-53.463	23.65
18	MP015	Z	-53.463	70.85
19	MP015	X	-92.597	23.65
20	MP015	X	-92.597	70.85
21	MP015	Z	-21.208	59.25
22	MP015	X	-73.466	59.25
23	MP015	Z	-17.11	35.25
24	MP015	X	-59.271	35.25
25	MP015	Z	-17.372	20.25
26	MP015	X	-60.177	20.25
27	MP018	Z	-53.463	23.65
28	MP018	Z	-53.463	70.85
29	MP018	X	-92.597	23.65
30	MP018	X	-92.597	70.85
31	MP018	Z	-22.823	59.25
32	MP018	X	-79.057	59.25
33	MP018	Z	-17.971	32.25
34	MP018	X	-62.252	32.25

Member Point Loads (BLC 6 : W 90)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP009	X	-6.524	35.25
2	MP009	X	-6.524	59.25
3	MP009	X	-23.768	25.25
4	MP009	X	-23.768	69.25
5	MP012	X	-27.504	25.25
6	MP012	X	-27.504	69.25
7	MP012	X	-71.924	59.25
8	MP012	X	-51.417	29.25

Member Point Loads (BLC 6 : W 90) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
9	MP015	X	-29.118	23.65
10	MP015	X	-29.118	70.85
11	MP015	X	-62.102	59.25
12	MP015	X	-65.331	35.25
13	MP015	X	-60.452	20.25
14	MP018	X	-29.118	23.65
15	MP018	X	-29.118	70.85
16	MP018	X	-66.829	59.25
17	MP018	X	-45.84	32.25

Member Point Loads (BLC 7 : W 120)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP009	Z	5.924	35.25
2	MP009	X	-20.521	35.25
3	MP009	Z	5.924	59.25
4	MP009	X	-20.521	59.25
5	MP009	Z	32.803	25.25
6	MP009	Z	32.803	69.25
7	MP009	X	-56.814	25.25
8	MP009	X	-56.814	69.25
9	MP012	Z	35.95	25.25
10	MP012	Z	35.95	69.25
11	MP012	X	-62.266	25.25
12	MP012	X	-62.266	69.25
13	MP012	Z	24.562	59.25
14	MP012	X	-85.084	59.25
15	MP012	Z	22.134	29.25
16	MP012	X	-76.673	29.25
17	MP015	Z	53.463	23.65
18	MP015	Z	53.463	70.85
19	MP015	X	-92.597	23.65
20	MP015	X	-92.597	70.85
21	MP015	Z	21.208	59.25
22	MP015	X	-73.466	59.25
23	MP015	Z	17.098	35.25
24	MP015	X	-59.228	35.25
25	MP015	Z	16.371	20.25
26	MP015	X	-56.71	20.25
27	MP018	Z	53.463	23.65
28	MP018	Z	53.463	70.85
29	MP018	X	-92.597	23.65
30	MP018	X	-92.597	70.85
31	MP018	Z	22.823	59.25
32	MP018	X	-79.057	59.25
33	MP018	Z	17.971	32.25
34	MP018	X	-62.252	32.25

Member Point Loads (BLC 8 : W 150)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP009	Z	14.947	35.25
2	MP009	X	-17.26	35.25

Member Point Loads (BLC 8 : W 150) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
3	MP009	Z	14.947	59.25
4	MP009	X	-17.26	59.25
5	MP009	Z	77.822	25.25
6	MP009	Z	77.822	69.25
7	MP009	X	-44.932	25.25
8	MP009	X	-44.932	69.25
9	MP012	Z	84.029	25.25
10	MP012	Z	84.029	69.25
11	MP012	X	-48.515	25.25
12	MP012	X	-48.515	69.25
13	MP012	Z	42.542	59.25
14	MP012	X	-49.125	59.25
15	MP012	Z	44.137	29.25
16	MP012	X	-50.967	29.25
17	MP015	Z	135.167	23.65
18	MP015	Z	135.167	70.85
19	MP015	X	-78.041	23.65
20	MP015	X	-78.041	70.85
21	MP015	Z	36.733	59.25
22	MP015	X	-42.417	59.25
23	MP015	Z	23.004	35.25
24	MP015	X	-26.564	35.25
25	MP015	Z	29.59	20.25
26	MP015	X	-34.169	20.25
27	MP018	Z	135.167	23.65
28	MP018	Z	135.167	70.85
29	MP018	X	-78.041	23.65
30	MP018	X	-78.041	70.85
31	MP018	Z	39.529	59.25
32	MP018	X	-45.645	59.25
33	MP018	Z	34.063	32.25
34	MP018	X	-39.334	32.25

Member Point Loads (BLC 9 : W 180)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP009	Z	18.046	35.25
2	MP009	Z	18.046	59.25
3	MP009	Z	90.043	25.25
4	MP009	Z	90.043	69.25
5	MP012	Z	96.162	25.25
6	MP012	Z	96.162	69.25
7	MP012	Z	35.962	59.25
8	MP012	Z	44.008	29.25
9	MP015	Z	163.417	23.65
10	MP015	Z	163.417	70.85
11	MP015	Z	31.051	59.25
12	MP015	Z	22.274	35.25
13	MP015	Z	26.44	20.25
14	MP018	Z	163.417	23.65
15	MP018	Z	163.417	70.85
16	MP018	Z	33.415	59.25

Member Point Loads (BLC 9 : W 180) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
17	MP018	Z	32.186	32.25

Member Point Loads (BLC 10 : W 210)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP009	Z	14.947	35.25
2	MP009	X	17.26	35.25
3	MP009	Z	14.947	59.25
4	MP009	X	17.26	59.25
5	MP009	Z	77.822	25.25
6	MP009	Z	77.822	69.25
7	MP009	X	44.932	25.25
8	MP009	X	44.932	69.25
9	MP012	Z	84.029	25.25
10	MP012	Z	84.029	69.25
11	MP012	X	48.515	25.25
12	MP012	X	48.515	69.25
13	MP012	Z	42.542	59.25
14	MP012	X	49.125	59.25
15	MP012	Z	44.137	29.25
16	MP012	X	50.967	29.25
17	MP015	Z	135.167	23.65
18	MP015	Z	135.167	70.85
19	MP015	X	78.041	23.65
20	MP015	X	78.041	70.85
21	MP015	Z	36.733	59.25
22	MP015	X	42.417	59.25
23	MP015	Z	28.246	35.25
24	MP015	X	32.617	35.25
25	MP015	Z	25.939	20.25
26	MP015	X	29.952	20.25
27	MP018	Z	135.167	23.65
28	MP018	Z	135.167	70.85
29	MP018	X	78.041	23.65
30	MP018	X	78.041	70.85
31	MP018	Z	39.529	59.25
32	MP018	X	45.645	59.25
33	MP018	Z	34.063	32.25
34	MP018	X	39.334	32.25

Member Point Loads (BLC 11 : W 240)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP009	Z	5.924	35.25
2	MP009	X	20.521	35.25
3	MP009	Z	5.924	59.25
4	MP009	X	20.521	59.25
5	MP009	Z	32.803	25.25
6	MP009	Z	32.803	69.25
7	MP009	X	56.814	25.25
8	MP009	X	56.814	69.25
9	MP012	Z	35.95	25.25
10	MP012	Z	35.95	69.25

Member Point Loads (BLC 11 : W 240) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
11	MP012	X	62.266	25.25
12	MP012	X	62.266	69.25
13	MP012	Z	24.562	59.25
14	MP012	X	85.084	59.25
15	MP012	Z	22.134	29.25
16	MP012	X	76.673	29.25
17	MP015	Z	53.463	23.65
18	MP015	Z	53.463	70.85
19	MP015	X	92.597	23.65
20	MP015	X	92.597	70.85
21	MP015	Z	21.208	59.25
22	MP015	X	73.466	59.25
23	MP015	Z	17.11	35.25
24	MP015	X	59.271	35.25
25	MP015	Z	17.372	20.25
26	MP015	X	60.177	20.25
27	MP018	Z	53.463	23.65
28	MP018	Z	53.463	70.85
29	MP018	X	92.597	23.65
30	MP018	X	92.597	70.85
31	MP018	Z	22.823	59.25
32	MP018	X	79.057	59.25
33	MP018	Z	17.971	32.25
34	MP018	X	62.252	32.25

Member Point Loads (BLC 12 : W 270)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP009	X	6.524	35.25
2	MP009	X	6.524	59.25
3	MP009	X	23.768	25.25
4	MP009	X	23.768	69.25
5	MP012	X	27.504	25.25
6	MP012	X	27.504	69.25
7	MP012	X	71.924	59.25
8	MP012	X	51.417	29.25
9	MP015	X	29.118	23.65
10	MP015	X	29.118	70.85
11	MP015	X	62.102	59.25
12	MP015	X	65.331	35.25
13	MP015	X	60.452	20.25
14	MP018	X	29.118	23.65
15	MP018	X	29.118	70.85
16	MP018	X	66.829	59.25
17	MP018	X	45.84	32.25

Member Point Loads (BLC 13 : W 300)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP009	Z	-5.924	35.25
2	MP009	X	20.521	35.25
3	MP009	Z	-5.924	59.25
4	MP009	X	20.521	59.25

Member Point Loads (BLC 13 : W 300) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
5	MP009	Z	-32.803	25.25
6	MP009	Z	-32.803	69.25
7	MP009	X	56.814	25.25
8	MP009	X	56.814	69.25
9	MP012	Z	-35.95	25.25
10	MP012	Z	-35.95	69.25
11	MP012	X	62.266	25.25
12	MP012	X	62.266	69.25
13	MP012	Z	-24.562	59.25
14	MP012	X	85.084	59.25
15	MP012	Z	-22.134	29.25
16	MP012	X	76.673	29.25
17	MP015	Z	-53.463	23.65
18	MP015	Z	-53.463	70.85
19	MP015	X	92.597	23.65
20	MP015	X	92.597	70.85
21	MP015	Z	-21.208	59.25
22	MP015	X	73.466	59.25
23	MP015	Z	-17.098	35.25
24	MP015	X	59.228	35.25
25	MP015	Z	-16.371	20.25
26	MP015	X	56.71	20.25
27	MP018	Z	-53.463	23.65
28	MP018	Z	-53.463	70.85
29	MP018	X	92.597	23.65
30	MP018	X	92.597	70.85
31	MP018	Z	-22.823	59.25
32	MP018	X	79.057	59.25
33	MP018	Z	-17.971	32.25
34	MP018	X	62.252	32.25

Member Point Loads (BLC 14 : W 330)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP009	Z	-14.947	35.25
2	MP009	X	17.26	35.25
3	MP009	Z	-14.947	59.25
4	MP009	X	17.26	59.25
5	MP009	Z	-77.822	25.25
6	MP009	Z	-77.822	69.25
7	MP009	X	44.932	25.25
8	MP009	X	44.932	69.25
9	MP012	Z	-84.029	25.25
10	MP012	Z	-84.029	69.25
11	MP012	X	48.515	25.25
12	MP012	X	48.515	69.25
13	MP012	Z	-42.542	59.25
14	MP012	X	49.125	59.25
15	MP012	Z	-44.137	29.25
16	MP012	X	50.967	29.25
17	MP015	Z	-135.167	23.65
18	MP015	Z	-135.167	70.85

Member Point Loads (BLC 14 : W 330) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
19	MP015	X	78.041	23.65
20	MP015	X	78.041	70.85
21	MP015	Z	-36.733	59.25
22	MP015	X	42.417	59.25
23	MP015	Z	-23.004	35.25
24	MP015	X	26.564	35.25
25	MP015	Z	-29.59	20.25
26	MP015	X	34.169	20.25
27	MP018	Z	-135.167	23.65
28	MP018	Z	-135.167	70.85
29	MP018	X	78.041	23.65
30	MP018	X	78.041	70.85
31	MP018	Z	-39.529	59.25
32	MP018	X	45.645	59.25
33	MP018	Z	-34.063	32.25
34	MP018	X	39.334	32.25

Member Point Loads (BLC 15 : Wi 0)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP009	Z	-3.988	35.25
2	MP009	Z	-3.988	59.25
3	MP009	Z	-17.326	25.25
4	MP009	Z	-17.326	69.25
5	MP012	Z	-18.264	25.25
6	MP012	Z	-18.264	69.25
7	MP012	Z	-7.273	59.25
8	MP012	Z	-8.686	29.25
9	MP015	Z	-28.953	23.65
10	MP015	Z	-28.953	70.85
11	MP015	Z	-6.435	59.25
12	MP015	Z	-4.909	35.25
13	MP015	Z	-5.607	20.25
14	MP018	Z	-28.953	23.65
15	MP018	Z	-28.953	70.85
16	MP018	Z	-6.802	59.25
17	MP018	Z	-6.51	32.25

Member Point Loads (BLC 16 : Wi 30)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP009	Z	-3.459	35.25
2	MP009	X	-3.995	35.25
3	MP009	Z	-3.459	59.25
4	MP009	X	-3.995	59.25
5	MP009	Z	-15.379	25.25
6	MP009	Z	-15.379	69.25
7	MP009	X	-8.879	25.25
8	MP009	X	-8.879	69.25
9	MP012	Z	-16.204	25.25
10	MP012	Z	-16.204	69.25
11	MP012	X	-9.356	25.25
12	MP012	X	-9.356	69.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
13	MP012	Z	-8.603	59.25
14	MP012	X	-9.935	59.25
15	MP012	Z	-8.99	29.25
16	MP012	X	-10.381	29.25
17	MP015	Z	-24.378	23.65
18	MP015	Z	-24.378	70.85
19	MP015	X	-14.075	23.65
20	MP015	X	-14.075	70.85
21	MP015	Z	-7.612	59.25
22	MP015	X	-8.79	59.25
23	MP015	Z	-6.005	35.25
24	MP015	X	-6.934	35.25
25	MP015	Z	-5.48	20.25
26	MP015	X	-6.327	20.25
27	MP018	Z	-24.378	23.65
28	MP018	Z	-24.378	70.85
29	MP018	X	-14.075	23.65
30	MP018	X	-14.075	70.85
31	MP018	Z	-8.046	59.25
32	MP018	X	-9.291	59.25
33	MP018	Z	-7.008	32.25
34	MP018	X	-8.092	32.25

Member Point Loads (BLC 17 : Wi 60)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP009	Z	-1.465	35.25
2	MP009	X	-5.076	35.25
3	MP009	Z	-1.465	59.25
4	MP009	X	-5.076	59.25
5	MP009	Z	-6.717	25.25
6	MP009	Z	-6.717	69.25
7	MP009	X	-11.634	25.25
8	MP009	X	-11.634	69.25
9	MP012	Z	-7.072	25.25
10	MP012	Z	-7.072	69.25
11	MP012	X	-12.249	25.25
12	MP012	X	-12.249	69.25
13	MP012	Z	-4.967	59.25
14	MP012	X	-17.207	59.25
15	MP012	Z	-4.647	29.25
16	MP012	X	-16.098	29.25
17	MP015	Z	-9.903	23.65
18	MP015	Z	-9.903	70.85
19	MP015	X	-17.152	23.65
20	MP015	X	-17.152	70.85
21	MP015	Z	-4.395	59.25
22	MP015	X	-15.224	59.25
23	MP015	Z	-3.55	35.25
24	MP015	X	-12.298	35.25
25	MP015	Z	-3.638	20.25
26	MP015	X	-12.603	20.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
27	MP018	Z	-9.903	23.65
28	MP018	Z	-9.903	70.85
29	MP018	X	-17.152	23.65
30	MP018	X	-17.152	70.85
31	MP018	Z	-4.646	59.25
32	MP018	X	-16.093	59.25
33	MP018	Z	-3.753	32.25
34	MP018	X	-13.002	32.25

Member Point Loads (BLC 18 : Wi 90)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP009	X	-2.164	35.25
2	MP009	X	-2.164	59.25
3	MP009	X	-5.509	25.25
4	MP009	X	-5.509	69.25
5	MP012	X	-5.788	25.25
6	MP012	X	-5.788	69.25
7	MP012	X	-14.545	59.25
8	MP012	X	-11.436	29.25
9	MP015	X	-6.154	23.65
10	MP015	X	-6.154	70.85
11	MP015	X	-12.87	59.25
12	MP015	X	-13.441	35.25
13	MP015	X	-12.552	20.25
14	MP018	X	-6.154	23.65
15	MP018	X	-6.154	70.85
16	MP018	X	-13.604	59.25
17	MP018	X	-9.819	32.25

Member Point Loads (BLC 19 : Wi 120)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP009	Z	1.465	35.25
2	MP009	X	-5.076	35.25
3	MP009	Z	1.465	59.25
4	MP009	X	-5.076	59.25
5	MP009	Z	6.717	25.25
6	MP009	Z	6.717	69.25
7	MP009	X	-11.634	25.25
8	MP009	X	-11.634	69.25
9	MP012	Z	7.072	25.25
10	MP012	Z	7.072	69.25
11	MP012	X	-12.249	25.25
12	MP012	X	-12.249	69.25
13	MP012	Z	4.967	59.25
14	MP012	X	-17.207	59.25
15	MP012	Z	4.647	29.25
16	MP012	X	-16.098	29.25
17	MP015	Z	9.903	23.65
18	MP015	Z	9.903	70.85
19	MP015	X	-17.152	23.65
20	MP015	X	-17.152	70.85

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
21	MP015	Z	4.395	59.25
22	MP015	X	-15.224	59.25
23	MP015	Z	3.605	35.25
24	MP015	X	-12.486	35.25
25	MP015	Z	3.41	20.25
26	MP015	X	-11.812	20.25
27	MP018	Z	9.903	23.65
28	MP018	Z	9.903	70.85
29	MP018	X	-17.152	23.65
30	MP018	X	-17.152	70.85
31	MP018	Z	4.646	59.25
32	MP018	X	-16.093	59.25
33	MP018	Z	3.753	32.25
34	MP018	X	-13.002	32.25

Member Point Loads (BLC 20 : Wi 150)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP009	Z	3.459	35.25
2	MP009	X	-3.995	35.25
3	MP009	Z	3.459	59.25
4	MP009	X	-3.995	59.25
5	MP009	Z	15.379	25.25
6	MP009	Z	15.379	69.25
7	MP009	X	-8.879	25.25
8	MP009	X	-8.879	69.25
9	MP012	Z	16.204	25.25
10	MP012	Z	16.204	69.25
11	MP012	X	-9.356	25.25
12	MP012	X	-9.356	69.25
13	MP012	Z	8.603	59.25
14	MP012	X	-9.935	59.25
15	MP012	Z	8.99	29.25
16	MP012	X	-10.381	29.25
17	MP015	Z	24.378	23.65
18	MP015	Z	24.378	70.85
19	MP015	X	-14.075	23.65
20	MP015	X	-14.075	70.85
21	MP015	Z	7.612	59.25
22	MP015	X	-8.79	59.25
23	MP015	Z	4.993	35.25
24	MP015	X	-5.766	35.25
25	MP015	Z	6.213	20.25
26	MP015	X	-7.175	20.25
27	MP018	Z	24.378	23.65
28	MP018	Z	24.378	70.85
29	MP018	X	-14.075	23.65
30	MP018	X	-14.075	70.85
31	MP018	Z	8.046	59.25
32	MP018	X	-9.291	59.25
33	MP018	Z	7.008	32.25
34	MP018	X	-8.092	32.25

Member Point Loads (BLC 21 : Wi 180)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP009	Z	3.988	35.25
2	MP009	Z	3.988	59.25
3	MP009	Z	17.326	25.25
4	MP009	Z	17.326	69.25
5	MP012	Z	18.264	25.25
6	MP012	Z	18.264	69.25
7	MP012	Z	7.273	59.25
8	MP012	Z	8.686	29.25
9	MP015	Z	28.953	23.65
10	MP015	Z	28.953	70.85
11	MP015	Z	6.435	59.25
12	MP015	Z	4.909	35.25
13	MP015	Z	5.607	20.25
14	MP018	Z	28.953	23.65
15	MP018	Z	28.953	70.85
16	MP018	Z	6.802	59.25
17	MP018	Z	6.51	32.25

Member Point Loads (BLC 22 : Wi 210)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP009	Z	3.459	35.25
2	MP009	X	3.995	35.25
3	MP009	Z	3.459	59.25
4	MP009	X	3.995	59.25
5	MP009	Z	15.379	25.25
6	MP009	Z	15.379	69.25
7	MP009	X	8.879	25.25
8	MP009	X	8.879	69.25
9	MP012	Z	16.204	25.25
10	MP012	Z	16.204	69.25
11	MP012	X	9.356	25.25
12	MP012	X	9.356	69.25
13	MP012	Z	8.603	59.25
14	MP012	X	9.935	59.25
15	MP012	Z	8.99	29.25
16	MP012	X	10.381	29.25
17	MP015	Z	24.378	23.65
18	MP015	Z	24.378	70.85
19	MP015	X	14.075	23.65
20	MP015	X	14.075	70.85
21	MP015	Z	7.612	59.25
22	MP015	X	8.79	59.25
23	MP015	Z	6.005	35.25
24	MP015	X	6.934	35.25
25	MP015	Z	5.48	20.25
26	MP015	X	6.327	20.25
27	MP018	Z	24.378	23.65
28	MP018	Z	24.378	70.85
29	MP018	X	14.075	23.65
30	MP018	X	14.075	70.85
31	MP018	Z	8.046	59.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
32	MP018	X	9.291	59.25
33	MP018	Z	7.008	32.25
34	MP018	X	8.092	32.25

Member Point Loads (BLC 23 : Wi 240)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP009	Z	1.465	35.25
2	MP009	X	5.076	35.25
3	MP009	Z	1.465	59.25
4	MP009	X	5.076	59.25
5	MP009	Z	6.717	25.25
6	MP009	Z	6.717	69.25
7	MP009	X	11.634	25.25
8	MP009	X	11.634	69.25
9	MP012	Z	7.072	25.25
10	MP012	Z	7.072	69.25
11	MP012	X	12.249	25.25
12	MP012	X	12.249	69.25
13	MP012	Z	4.967	59.25
14	MP012	X	17.207	59.25
15	MP012	Z	4.647	29.25
16	MP012	X	16.098	29.25
17	MP015	Z	9.903	23.65
18	MP015	Z	9.903	70.85
19	MP015	X	17.152	23.65
20	MP015	X	17.152	70.85
21	MP015	Z	4.395	59.25
22	MP015	X	15.224	59.25
23	MP015	Z	3.55	35.25
24	MP015	X	12.298	35.25
25	MP015	Z	3.638	20.25
26	MP015	X	12.603	20.25
27	MP018	Z	9.903	23.65
28	MP018	Z	9.903	70.85
29	MP018	X	17.152	23.65
30	MP018	X	17.152	70.85
31	MP018	Z	4.646	59.25
32	MP018	X	16.093	59.25
33	MP018	Z	3.753	32.25
34	MP018	X	13.002	32.25

Member Point Loads (BLC 24 : Wi 270)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP009	X	2.164	35.25
2	MP009	X	2.164	59.25
3	MP009	X	5.509	25.25
4	MP009	X	5.509	69.25
5	MP012	X	5.788	25.25
6	MP012	X	5.788	69.25
7	MP012	X	14.545	59.25
8	MP012	X	11.436	29.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
9	MP015	X	6.154	23.65
10	MP015	X	6.154	70.85
11	MP015	X	12.87	59.25
12	MP015	X	13.441	35.25
13	MP015	X	12.552	20.25
14	MP018	X	6.154	23.65
15	MP018	X	6.154	70.85
16	MP018	X	13.604	59.25
17	MP018	X	9.819	32.25

Member Point Loads (BLC 25 : Wi 300)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP009	Z	-1.465	35.25
2	MP009	X	5.076	35.25
3	MP009	Z	-1.465	59.25
4	MP009	X	5.076	59.25
5	MP009	Z	-6.717	25.25
6	MP009	Z	-6.717	69.25
7	MP009	X	11.634	25.25
8	MP009	X	11.634	69.25
9	MP012	Z	-7.072	25.25
10	MP012	Z	-7.072	69.25
11	MP012	X	12.249	25.25
12	MP012	X	12.249	69.25
13	MP012	Z	-4.967	59.25
14	MP012	X	17.207	59.25
15	MP012	Z	-4.647	29.25
16	MP012	X	16.098	29.25
17	MP015	Z	-9.903	23.65
18	MP015	Z	-9.903	70.85
19	MP015	X	17.152	23.65
20	MP015	X	17.152	70.85
21	MP015	Z	-4.395	59.25
22	MP015	X	15.224	59.25
23	MP015	Z	-3.605	35.25
24	MP015	X	12.486	35.25
25	MP015	Z	-3.41	20.25
26	MP015	X	11.812	20.25
27	MP018	Z	-9.903	23.65
28	MP018	Z	-9.903	70.85
29	MP018	X	17.152	23.65
30	MP018	X	17.152	70.85
31	MP018	Z	-4.646	59.25
32	MP018	X	16.093	59.25
33	MP018	Z	-3.753	32.25
34	MP018	X	13.002	32.25

Member Point Loads (BLC 26 : Wi 330)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP009	Z	-3.459	35.25
2	MP009	X	3.995	35.25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
3	MP009	Z	-3.459	59.25
4	MP009	X	3.995	59.25
5	MP009	Z	-15.379	25.25
6	MP009	Z	-15.379	69.25
7	MP009	X	8.879	25.25
8	MP009	X	8.879	69.25
9	MP012	Z	-16.204	25.25
10	MP012	Z	-16.204	69.25
11	MP012	X	9.356	25.25
12	MP012	X	9.356	69.25
13	MP012	Z	-8.603	59.25
14	MP012	X	9.935	59.25
15	MP012	Z	-8.99	29.25
16	MP012	X	10.381	29.25
17	MP015	Z	-24.378	23.65
18	MP015	Z	-24.378	70.85
19	MP015	X	14.075	23.65
20	MP015	X	14.075	70.85
21	MP015	Z	-7.612	59.25
22	MP015	X	8.79	59.25
23	MP015	Z	-4.993	35.25
24	MP015	X	5.766	35.25
25	MP015	Z	-6.213	20.25
26	MP015	X	7.175	20.25
27	MP018	Z	-24.378	23.65
28	MP018	Z	-24.378	70.85
29	MP018	X	14.075	23.65
30	MP018	X	14.075	70.85
31	MP018	Z	-8.046	59.25
32	MP018	X	9.291	59.25
33	MP018	Z	-7.008	32.25
34	MP018	X	8.092	32.25

Member Point Loads (BLC 27 : Ws 0)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP009	Z	-.996	35.25
2	MP009	Z	-.996	59.25
3	MP009	Z	-4.968	25.25
4	MP009	Z	-4.968	69.25
5	MP012	Z	-5.306	25.25
6	MP012	Z	-5.306	69.25
7	MP012	Z	-1.984	59.25
8	MP012	Z	-2.428	29.25
9	MP015	Z	-9.017	23.65
10	MP015	Z	-9.017	70.85
11	MP015	Z	-1.713	59.25
12	MP015	Z	-1.229	35.25
13	MP015	Z	-1.459	20.25
14	MP018	Z	-9.017	23.65
15	MP018	Z	-9.017	70.85
16	MP018	Z	-1.844	59.25

Member Point Loads (BLC 27 : Ws 0) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
17	MP018	Z	-1.776	32.25

Member Point Loads (BLC 28 : Ws 30)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP009	Z	-.825	35.25
2	MP009	X	-.952	35.25
3	MP009	Z	-.825	59.25
4	MP009	X	-.952	59.25
5	MP009	Z	-4.294	25.25
6	MP009	Z	-4.294	69.25
7	MP009	X	-2.479	25.25
8	MP009	X	-2.479	69.25
9	MP012	Z	-4.636	25.25
10	MP012	Z	-4.636	69.25
11	MP012	X	-2.677	25.25
12	MP012	X	-2.677	69.25
13	MP012	Z	-2.347	59.25
14	MP012	X	-2.711	59.25
15	MP012	Z	-2.435	29.25
16	MP012	X	-2.812	29.25
17	MP015	Z	-7.458	23.65
18	MP015	Z	-7.458	70.85
19	MP015	X	-4.306	23.65
20	MP015	X	-4.306	70.85
21	MP015	Z	-2.027	59.25
22	MP015	X	-2.34	59.25
23	MP015	Z	-1.559	35.25
24	MP015	X	-1.8	35.25
25	MP015	Z	-1.431	20.25
26	MP015	X	-1.653	20.25
27	MP018	Z	-7.458	23.65
28	MP018	Z	-7.458	70.85
29	MP018	X	-4.306	23.65
30	MP018	X	-4.306	70.85
31	MP018	Z	-2.181	59.25
32	MP018	X	-2.519	59.25
33	MP018	Z	-1.879	32.25
34	MP018	X	-2.17	32.25

Member Point Loads (BLC 29 : Ws 60)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP009	Z	-.327	35.25
2	MP009	X	-1.132	35.25
3	MP009	Z	-.327	59.25
4	MP009	X	-1.132	59.25
5	MP009	Z	-1.81	25.25
6	MP009	Z	-1.81	69.25
7	MP009	X	-3.135	25.25
8	MP009	X	-3.135	69.25
9	MP012	Z	-1.984	25.25
10	MP012	Z	-1.984	69.25

Member Point Loads (BLC 29 : Ws 60) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
11	MP012	X	-3.436	25.25
12	MP012	X	-3.436	69.25
13	MP012	Z	-1.355	59.25
14	MP012	X	-4.695	59.25
15	MP012	Z	-1.221	29.25
16	MP012	X	-4.231	29.25
17	MP015	Z	-2.95	23.65
18	MP015	Z	-2.95	70.85
19	MP015	X	-5.109	23.65
20	MP015	X	-5.109	70.85
21	MP015	Z	-1.17	59.25
22	MP015	X	-4.054	59.25
23	MP015	Z	-.944	35.25
24	MP015	X	-3.27	35.25
25	MP015	Z	-.959	20.25
26	MP015	X	-3.32	20.25
27	MP018	Z	-2.95	23.65
28	MP018	Z	-2.95	70.85
29	MP018	X	-5.109	23.65
30	MP018	X	-5.109	70.85
31	MP018	Z	-1.259	59.25
32	MP018	X	-4.362	59.25
33	MP018	Z	-.992	32.25
34	MP018	X	-3.435	32.25

Member Point Loads (BLC 30 : Ws 90)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP009	X	-.36	35.25
2	MP009	X	-.36	59.25
3	MP009	X	-1.311	25.25
4	MP009	X	-1.311	69.25
5	MP012	X	-1.518	25.25
6	MP012	X	-1.518	69.25
7	MP012	X	-3.969	59.25
8	MP012	X	-2.837	29.25
9	MP015	X	-1.607	23.65
10	MP015	X	-1.607	70.85
11	MP015	X	-3.427	59.25
12	MP015	X	-3.605	35.25
13	MP015	X	-3.336	20.25
14	MP018	X	-1.607	23.65
15	MP018	X	-1.607	70.85
16	MP018	X	-3.687	59.25
17	MP018	X	-2.529	32.25

Member Point Loads (BLC 31 : Ws 120)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP009	Z	.327	35.25
2	MP009	X	-1.132	35.25
3	MP009	Z	.327	59.25
4	MP009	X	-1.132	59.25

Member Point Loads (BLC 31 : Ws 120) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
5	MP009	Z	1.81	25.25
6	MP009	Z	1.81	69.25
7	MP009	X	-3.135	25.25
8	MP009	X	-3.135	69.25
9	MP012	Z	1.984	25.25
10	MP012	Z	1.984	69.25
11	MP012	X	-3.436	25.25
12	MP012	X	-3.436	69.25
13	MP012	Z	1.355	59.25
14	MP012	X	-4.695	59.25
15	MP012	Z	1.221	29.25
16	MP012	X	-4.231	29.25
17	MP015	Z	2.95	23.65
18	MP015	Z	2.95	70.85
19	MP015	X	-5.109	23.65
20	MP015	X	-5.109	70.85
21	MP015	Z	1.17	59.25
22	MP015	X	-4.054	59.25
23	MP015	Z	.943	35.25
24	MP015	X	-3.268	35.25
25	MP015	Z	.903	20.25
26	MP015	X	-3.129	20.25
27	MP018	Z	2.95	23.65
28	MP018	Z	2.95	70.85
29	MP018	X	-5.109	23.65
30	MP018	X	-5.109	70.85
31	MP018	Z	1.259	59.25
32	MP018	X	-4.362	59.25
33	MP018	Z	.992	32.25
34	MP018	X	-3.435	32.25

Member Point Loads (BLC 32 : Ws 150)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP009	Z	.825	35.25
2	MP009	X	-.952	35.25
3	MP009	Z	.825	59.25
4	MP009	X	-.952	59.25
5	MP009	Z	4.294	25.25
6	MP009	Z	4.294	69.25
7	MP009	X	-2.479	25.25
8	MP009	X	-2.479	69.25
9	MP012	Z	4.636	25.25
10	MP012	Z	4.636	69.25
11	MP012	X	-2.677	25.25
12	MP012	X	-2.677	69.25
13	MP012	Z	2.347	59.25
14	MP012	X	-2.711	59.25
15	MP012	Z	2.435	29.25
16	MP012	X	-2.812	29.25
17	MP015	Z	7.458	23.65
18	MP015	Z	7.458	70.85

Member Point Loads (BLC 32 : Ws 150) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
19	MP015	X	-4.306	23.65
20	MP015	X	-4.306	70.85
21	MP015	Z	2.027	59.25
22	MP015	X	-2.34	59.25
23	MP015	Z	1.269	35.25
24	MP015	X	-1.466	35.25
25	MP015	Z	1.633	20.25
26	MP015	X	-1.885	20.25
27	MP018	Z	7.458	23.65
28	MP018	Z	7.458	70.85
29	MP018	X	-4.306	23.65
30	MP018	X	-4.306	70.85
31	MP018	Z	2.181	59.25
32	MP018	X	-2.519	59.25
33	MP018	Z	1.879	32.25
34	MP018	X	-2.17	32.25

Member Point Loads (BLC 33 : Ws 180)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP009	Z	.996	35.25
2	MP009	Z	.996	59.25
3	MP009	Z	4.968	25.25
4	MP009	Z	4.968	69.25
5	MP012	Z	5.306	25.25
6	MP012	Z	5.306	69.25
7	MP012	Z	1.984	59.25
8	MP012	Z	2.428	29.25
9	MP015	Z	9.017	23.65
10	MP015	Z	9.017	70.85
11	MP015	Z	1.713	59.25
12	MP015	Z	1.229	35.25
13	MP015	Z	1.459	20.25
14	MP018	Z	9.017	23.65
15	MP018	Z	9.017	70.85
16	MP018	Z	1.844	59.25
17	MP018	Z	1.776	32.25

Member Point Loads (BLC 34 : Ws 210)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP009	Z	.825	35.25
2	MP009	X	.952	35.25
3	MP009	Z	.825	59.25
4	MP009	X	.952	59.25
5	MP009	Z	4.294	25.25
6	MP009	Z	4.294	69.25
7	MP009	X	2.479	25.25
8	MP009	X	2.479	69.25
9	MP012	Z	4.636	25.25
10	MP012	Z	4.636	69.25
11	MP012	X	2.677	25.25
12	MP012	X	2.677	69.25

Member Point Loads (BLC 34 : Ws 210) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
13	MP012	Z	2.347	59.25
14	MP012	X	2.711	59.25
15	MP012	Z	2.435	29.25
16	MP012	X	2.812	29.25
17	MP015	Z	7.458	23.65
18	MP015	Z	7.458	70.85
19	MP015	X	4.306	23.65
20	MP015	X	4.306	70.85
21	MP015	Z	2.027	59.25
22	MP015	X	2.34	59.25
23	MP015	Z	1.559	35.25
24	MP015	X	1.8	35.25
25	MP015	Z	1.431	20.25
26	MP015	X	1.653	20.25
27	MP018	Z	7.458	23.65
28	MP018	Z	7.458	70.85
29	MP018	X	4.306	23.65
30	MP018	X	4.306	70.85
31	MP018	Z	2.181	59.25
32	MP018	X	2.519	59.25
33	MP018	Z	1.879	32.25
34	MP018	X	2.17	32.25

Member Point Loads (BLC 35 : Ws 240)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP009	Z	.327	35.25
2	MP009	X	1.132	35.25
3	MP009	Z	.327	59.25
4	MP009	X	1.132	59.25
5	MP009	Z	1.81	25.25
6	MP009	Z	1.81	69.25
7	MP009	X	3.135	25.25
8	MP009	X	3.135	69.25
9	MP012	Z	1.984	25.25
10	MP012	Z	1.984	69.25
11	MP012	X	3.436	25.25
12	MP012	X	3.436	69.25
13	MP012	Z	1.355	59.25
14	MP012	X	4.695	59.25
15	MP012	Z	1.221	29.25
16	MP012	X	4.231	29.25
17	MP015	Z	2.95	23.65
18	MP015	Z	2.95	70.85
19	MP015	X	5.109	23.65
20	MP015	X	5.109	70.85
21	MP015	Z	1.17	59.25
22	MP015	X	4.054	59.25
23	MP015	Z	.944	35.25
24	MP015	X	3.27	35.25
25	MP015	Z	.959	20.25
26	MP015	X	3.32	20.25

Member Point Loads (BLC 35 : Ws 240) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
27	MP018	Z	2.95	23.65
28	MP018	Z	2.95	70.85
29	MP018	X	5.109	23.65
30	MP018	X	5.109	70.85
31	MP018	Z	1.259	59.25
32	MP018	X	4.362	59.25
33	MP018	Z	.992	32.25
34	MP018	X	3.435	32.25

Member Point Loads (BLC 36 : Ws 270)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP009	X	.36	35.25
2	MP009	X	.36	59.25
3	MP009	X	1.311	25.25
4	MP009	X	1.311	69.25
5	MP012	X	1.518	25.25
6	MP012	X	1.518	69.25
7	MP012	X	3.969	59.25
8	MP012	X	2.837	29.25
9	MP015	X	1.607	23.65
10	MP015	X	1.607	70.85
11	MP015	X	3.427	59.25
12	MP015	X	3.605	35.25
13	MP015	X	3.336	20.25
14	MP018	X	1.607	23.65
15	MP018	X	1.607	70.85
16	MP018	X	3.687	59.25
17	MP018	X	2.529	32.25

Member Point Loads (BLC 37 : Ws 300)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP009	Z	-.327	35.25
2	MP009	X	1.132	35.25
3	MP009	Z	-.327	59.25
4	MP009	X	1.132	59.25
5	MP009	Z	-1.81	25.25
6	MP009	Z	-1.81	69.25
7	MP009	X	3.135	25.25
8	MP009	X	3.135	69.25
9	MP012	Z	-1.984	25.25
10	MP012	Z	-1.984	69.25
11	MP012	X	3.436	25.25
12	MP012	X	3.436	69.25
13	MP012	Z	-1.355	59.25
14	MP012	X	4.695	59.25
15	MP012	Z	-1.221	29.25
16	MP012	X	4.231	29.25
17	MP015	Z	-2.95	23.65
18	MP015	Z	-2.95	70.85
19	MP015	X	5.109	23.65
20	MP015	X	5.109	70.85

Member Point Loads (BLC 37 : Ws 300) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
21	MP015	Z	-1.17	59.25
22	MP015	X	4.054	59.25
23	MP015	Z	-.943	35.25
24	MP015	X	3.268	35.25
25	MP015	Z	-.903	20.25
26	MP015	X	3.129	20.25
27	MP018	Z	-2.95	23.65
28	MP018	Z	-2.95	70.85
29	MP018	X	5.109	23.65
30	MP018	X	5.109	70.85
31	MP018	Z	-1.259	59.25
32	MP018	X	4.362	59.25
33	MP018	Z	-.992	32.25
34	MP018	X	3.435	32.25

Member Point Loads (BLC 38 : Ws 330)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP009	Z	-.825	35.25
2	MP009	X	.952	35.25
3	MP009	Z	-.825	59.25
4	MP009	X	.952	59.25
5	MP009	Z	-4.294	25.25
6	MP009	Z	-4.294	69.25
7	MP009	X	2.479	25.25
8	MP009	X	2.479	69.25
9	MP012	Z	-4.636	25.25
10	MP012	Z	-4.636	69.25
11	MP012	X	2.677	25.25
12	MP012	X	2.677	69.25
13	MP012	Z	-2.347	59.25
14	MP012	X	2.711	59.25
15	MP012	Z	-2.435	29.25
16	MP012	X	2.812	29.25
17	MP015	Z	-7.458	23.65
18	MP015	Z	-7.458	70.85
19	MP015	X	4.306	23.65
20	MP015	X	4.306	70.85
21	MP015	Z	-2.027	59.25
22	MP015	X	2.34	59.25
23	MP015	Z	-1.269	35.25
24	MP015	X	1.466	35.25
25	MP015	Z	-1.633	20.25
26	MP015	X	1.885	20.25
27	MP018	Z	-7.458	23.65
28	MP018	Z	-7.458	70.85
29	MP018	X	4.306	23.65
30	MP018	X	4.306	70.85
31	MP018	Z	-2.181	59.25
32	MP018	X	2.519	59.25
33	MP018	Z	-1.879	32.25
34	MP018	X	2.17	32.25

Member Point Loads (BLC 42 : Lv (1))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	H002	Y	-250	%50

Member Point Loads (BLC 43 : Lv (2))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	H004	Y	-250	%50

Member Distributed Loads (BLC 2 : Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	Y	-2.048	-2.048	0	%100
2	H004	Y	-2.048	-2.048	0	%100
3	D005	Y	-1.885	-1.885	0	%100
4	D006	Y	-1.885	-1.885	0	%100
5	MP009	Y	-4.839	-4.839	0	%100
6	MP012	Y	-4.839	-4.839	0	%100
7	MP015	Y	-4.839	-4.839	0	%100
8	MP018	Y	-4.839	-4.839	0	%100
9	TB019	Y	-4.839	-4.839	0	%100
10	TB020	Y	-4.839	-4.839	0	%100

Member Distributed Loads (BLC 3 : W 0)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	Z	-16.305	-16.305	0	%100
2	H004	Z	-16.305	-16.305	0	%100
3	D005	Z	-10.87	-10.87	0	%100
4	D006	Z	-10.87	-10.87	0	%100
5	U007	Z	0	0	0	%100
6	U008	Z	0	0	0	%100
7	MP009	Z	-7.745	-7.745	0	20.5
8	MP009	Z	-7.745	-7.745	75.5	%100
9	U010	Z	0	0	0	%100
10	U011	Z	0	0	0	%100
11	MP012	Z	-7.745	-7.745	0	20.5
12	MP012	Z	-7.745	-7.745	75.5	%100
13	U013	Z	0	0	0	%100
14	U014	Z	0	0	0	%100
15	MP015	Z	-7.745	-7.745	0	18.5
16	MP015	Z	-7.745	-7.745	77.5	%100
17	U016	Z	0	0	0	%100
18	U017	Z	0	0	0	%100
19	MP018	Z	-7.745	-7.745	0	18.5
20	MP018	Z	-7.745	-7.745	77.5	%100
21	TB019	Z	-4.978	-4.978	0	%100
22	TB020	Z	-4.978	-4.978	0	%100

Member Distributed Loads (BLC 4 : W 30)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	Z	-12.229	-12.229	0	%100
2	H002	X	-7.06	-7.06	0	%100
3	H004	Z	-12.229	-12.229	0	%100

Member Distributed Loads (BLC 4 : W 30) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
4	H004	X	-7.06	-7.06	0	%100
5	D005	Z	-8.152	-8.152	0	%100
6	D005	X	-4.707	-4.707	0	%100
7	D006	Z	-8.152	-8.152	0	%100
8	D006	X	-4.707	-4.707	0	%100
9	U007	Z	-.706	-.706	0	%100
10	U007	X	-.408	-.408	0	%100
11	U008	Z	-.706	-.706	0	%100
12	U008	X	-.408	-.408	0	%100
13	MP009	Z	-6.707	-6.707	0	20.5
14	MP009	Z	-6.707	-6.707	75.5	%100
15	MP009	X	-3.872	-3.872	0	%100
16	U010	Z	-.706	-.706	0	%100
17	U010	X	-.408	-.408	0	%100
18	U011	Z	-.706	-.706	0	%100
19	U011	X	-.408	-.408	0	%100
20	MP012	Z	-6.707	-6.707	0	20.5
21	MP012	Z	-6.707	-6.707	75.5	%100
22	MP012	X	-3.872	-3.872	0	%100
23	U013	Z	-.706	-.706	0	%100
24	U013	X	-.408	-.408	0	%100
25	U014	Z	-.706	-.706	0	%100
26	U014	X	-.408	-.408	0	%100
27	MP015	Z	-6.707	-6.707	0	18.5
28	MP015	Z	-6.707	-6.707	77.5	%100
29	MP015	X	-3.872	-3.872	0	%100
30	U016	Z	-.706	-.706	0	%100
31	U016	X	-.408	-.408	0	%100
32	U017	Z	-.706	-.706	0	%100
33	U017	X	-.408	-.408	0	%100
34	MP018	Z	-6.707	-6.707	0	18.5
35	MP018	Z	-6.707	-6.707	77.5	%100
36	MP018	X	-3.872	-3.872	0	%100
37	TB019	Z	-6.303	-6.303	0	%100
38	TB019	X	-3.639	-3.639	0	%100
39	TB020	Z	-1.165	-1.165	0	%100
40	TB020	X	-.672	-.672	0	%100

Member Distributed Loads (BLC 5 : W 60)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	Z	-4.076	-4.076	0	%100
2	H002	X	-7.06	-7.06	0	%100
3	H004	Z	-4.076	-4.076	0	%100
4	H004	X	-7.06	-7.06	0	%100
5	D005	Z	-2.717	-2.717	0	%100
6	D005	X	-4.707	-4.707	0	%100
7	D006	Z	-2.717	-2.717	0	%100
8	D006	X	-4.707	-4.707	0	%100
9	U007	Z	-.706	-.706	0	%100
10	U007	X	-1.223	-1.223	0	%100
11	U008	Z	-.706	-.706	0	%100

Member Distributed Loads (BLC 5 : W 60) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
12	U008	X	-1.223	-1.223	0	%100
13	MP009	Z	-3.872	-3.872	0	20.5
14	MP009	Z	-3.872	-3.872	75.5	%100
15	MP009	X	-6.707	-6.707	0	%100
16	U010	Z	-.706	-.706	0	%100
17	U010	X	-1.223	-1.223	0	%100
18	U011	Z	-.706	-.706	0	%100
19	U011	X	-1.223	-1.223	0	%100
20	MP012	Z	-3.872	-3.872	0	20.5
21	MP012	Z	-3.872	-3.872	75.5	%100
22	MP012	X	-6.707	-6.707	0	%100
23	U013	Z	-.706	-.706	0	%100
24	U013	X	-1.223	-1.223	0	%100
25	U014	Z	-.706	-.706	0	%100
26	U014	X	-1.223	-1.223	0	%100
27	MP015	Z	-3.872	-3.872	0	18.5
28	MP015	Z	-3.872	-3.872	77.5	%100
29	MP015	X	-6.707	-6.707	0	%100
30	U016	Z	-.706	-.706	0	%100
31	U016	X	-1.223	-1.223	0	%100
32	U017	Z	-.706	-.706	0	%100
33	U017	X	-1.223	-1.223	0	%100
34	MP018	Z	-3.872	-3.872	0	18.5
35	MP018	Z	-3.872	-3.872	77.5	%100
36	MP018	X	-6.707	-6.707	0	%100
37	TB019	Z	-3.814	-3.814	0	%100
38	TB019	X	-6.605	-6.605	0	%100
39	TB020	Z	-1.324	-1.324	0	%100
40	TB020	X	-2.294	-2.294	0	%100

Member Distributed Loads (BLC 6 : W 90)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	X	0	0	0	%100
2	H004	X	0	0	0	%100
3	D005	X	-4.673	-4.673	0	%100
4	D006	X	-4.673	-4.673	0	%100
5	U007	X	-1.63	-1.63	0	%100
6	U008	X	-1.63	-1.63	0	%100
7	MP009	X	-7.745	-7.745	0	%100
8	U010	X	-1.63	-1.63	0	%100
9	U011	X	-1.63	-1.63	0	%100
10	MP012	X	-7.745	-7.745	0	%100
11	U013	X	-1.63	-1.63	0	%100
12	U014	X	-1.63	-1.63	0	%100
13	MP015	X	-7.745	-7.745	0	%100
14	U016	X	-1.63	-1.63	0	%100
15	U017	X	-1.63	-1.63	0	%100
16	MP018	X	-7.745	-7.745	0	%100
17	TB019	X	-5.933	-5.933	0	%100
18	TB020	X	-5.933	-5.933	0	%100

Member Distributed Loads (BLC 7 : W 120)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	Z	4.076	4.076	0	%100
2	H002	X	-7.06	-7.06	0	%100
3	H004	Z	4.076	4.076	0	%100
4	H004	X	-7.06	-7.06	0	%100
5	D005	Z	2.717	2.717	0	%100
6	D005	X	-4.707	-4.707	0	%100
7	D006	Z	2.717	2.717	0	%100
8	D006	X	-4.707	-4.707	0	%100
9	U007	Z	.706	.706	0	%100
10	U007	X	-1.223	-1.223	0	%100
11	U008	Z	.706	.706	0	%100
12	U008	X	-1.223	-1.223	0	%100
13	MP009	Z	3.872	3.872	0	20.5
14	MP009	Z	3.872	3.872	75.5	%100
15	MP009	X	-6.707	-6.707	0	%100
16	U010	Z	.706	.706	0	%100
17	U010	X	-1.223	-1.223	0	%100
18	U011	Z	.706	.706	0	%100
19	U011	X	-1.223	-1.223	0	%100
20	MP012	Z	3.872	3.872	0	20.5
21	MP012	Z	3.872	3.872	75.5	%100
22	MP012	X	-6.707	-6.707	0	%100
23	U013	Z	.706	.706	0	%100
24	U013	X	-1.223	-1.223	0	%100
25	U014	Z	.706	.706	0	%100
26	U014	X	-1.223	-1.223	0	%100
27	MP015	Z	3.872	3.872	0	18.5
28	MP015	Z	3.872	3.872	77.5	%100
29	MP015	X	-6.707	-6.707	0	%100
30	U016	Z	.706	.706	0	%100
31	U016	X	-1.223	-1.223	0	%100
32	U017	Z	.706	.706	0	%100
33	U017	X	-1.223	-1.223	0	%100
34	MP018	Z	3.872	3.872	0	18.5
35	MP018	Z	3.872	3.872	77.5	%100
36	MP018	X	-6.707	-6.707	0	%100
37	TB019	Z	1.324	1.324	0	%100
38	TB019	X	-2.294	-2.294	0	%100
39	TB020	Z	3.814	3.814	0	%100
40	TB020	X	-6.605	-6.605	0	%100

Member Distributed Loads (BLC 8 : W 150)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	Z	12.229	12.229	0	%100
2	H002	X	-7.06	-7.06	0	%100
3	H004	Z	12.229	12.229	0	%100
4	H004	X	-7.06	-7.06	0	%100
5	D005	Z	8.152	8.152	0	%100
6	D005	X	-4.707	-4.707	0	%100
7	D006	Z	8.152	8.152	0	%100
8	D006	X	-4.707	-4.707	0	%100

Member Distributed Loads (BLC 8 : W 150) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
9	U007	Z	.706	.706	0	%100
10	U007	X	-.408	-.408	0	%100
11	U008	Z	.706	.706	0	%100
12	U008	X	-.408	-.408	0	%100
13	MP009	Z	6.707	6.707	0	20.5
14	MP009	Z	6.707	6.707	75.5	%100
15	MP009	X	-3.872	-3.872	0	%100
16	U010	Z	.706	.706	0	%100
17	U010	X	-.408	-.408	0	%100
18	U011	Z	.706	.706	0	%100
19	U011	X	-.408	-.408	0	%100
20	MP012	Z	6.707	6.707	0	20.5
21	MP012	Z	6.707	6.707	75.5	%100
22	MP012	X	-3.872	-3.872	0	%100
23	U013	Z	.706	.706	0	%100
24	U013	X	-.408	-.408	0	%100
25	U014	Z	.706	.706	0	%100
26	U014	X	-.408	-.408	0	%100
27	MP015	Z	6.707	6.707	0	18.5
28	MP015	Z	6.707	6.707	77.5	%100
29	MP015	X	-3.872	-3.872	0	%100
30	U016	Z	.706	.706	0	%100
31	U016	X	-.408	-.408	0	%100
32	U017	Z	.706	.706	0	%100
33	U017	X	-.408	-.408	0	%100
34	MP018	Z	6.707	6.707	0	18.5
35	MP018	Z	6.707	6.707	77.5	%100
36	MP018	X	-3.872	-3.872	0	%100
37	TB019	Z	1.165	1.165	0	%100
38	TB019	X	-.672	-.672	0	%100
39	TB020	Z	6.303	6.303	0	%100
40	TB020	X	-3.639	-3.639	0	%100

Member Distributed Loads (BLC 9 : W 180)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	Z	16.305	16.305	0	%100
2	H004	Z	16.305	16.305	0	%100
3	D005	Z	10.87	10.87	0	%100
4	D006	Z	10.87	10.87	0	%100
5	U007	Z	0	0	0	%100
6	U008	Z	0	0	0	%100
7	MP009	Z	7.745	7.745	0	20.5
8	MP009	Z	7.745	7.745	75.5	%100
9	U010	Z	0	0	0	%100
10	U011	Z	0	0	0	%100
11	MP012	Z	7.745	7.745	0	20.5
12	MP012	Z	7.745	7.745	75.5	%100
13	U013	Z	0	0	0	%100
14	U014	Z	0	0	0	%100
15	MP015	Z	7.745	7.745	0	18.5
16	MP015	Z	7.745	7.745	77.5	%100

Member Distributed Loads (BLC 9 : W 180) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
17	U016	Z	0	0	0	%100
18	U017	Z	0	0	0	%100
19	MP018	Z	7.745	7.745	0	18.5
20	MP018	Z	7.745	7.745	77.5	%100
21	TB019	Z	4.978	4.978	0	%100
22	TB020	Z	4.978	4.978	0	%100

Member Distributed Loads (BLC 10 : W 210)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	Z	12.229	12.229	0	%100
2	H002	X	7.06	7.06	0	%100
3	H004	Z	12.229	12.229	0	%100
4	H004	X	7.06	7.06	0	%100
5	D005	Z	8.152	8.152	0	%100
6	D005	X	4.707	4.707	0	%100
7	D006	Z	8.152	8.152	0	%100
8	D006	X	4.707	4.707	0	%100
9	U007	Z	.706	.706	0	%100
10	U007	X	.408	.408	0	%100
11	U008	Z	.706	.706	0	%100
12	U008	X	.408	.408	0	%100
13	MP009	Z	6.707	6.707	0	20.5
14	MP009	Z	6.707	6.707	75.5	%100
15	MP009	X	3.872	3.872	0	%100
16	U010	Z	.706	.706	0	%100
17	U010	X	.408	.408	0	%100
18	U011	Z	.706	.706	0	%100
19	U011	X	.408	.408	0	%100
20	MP012	Z	6.707	6.707	0	20.5
21	MP012	Z	6.707	6.707	75.5	%100
22	MP012	X	3.872	3.872	0	%100
23	U013	Z	.706	.706	0	%100
24	U013	X	.408	.408	0	%100
25	U014	Z	.706	.706	0	%100
26	U014	X	.408	.408	0	%100
27	MP015	Z	6.707	6.707	0	18.5
28	MP015	Z	6.707	6.707	77.5	%100
29	MP015	X	3.872	3.872	0	%100
30	U016	Z	.706	.706	0	%100
31	U016	X	.408	.408	0	%100
32	U017	Z	.706	.706	0	%100
33	U017	X	.408	.408	0	%100
34	MP018	Z	6.707	6.707	0	18.5
35	MP018	Z	6.707	6.707	77.5	%100
36	MP018	X	3.872	3.872	0	%100
37	TB019	Z	6.303	6.303	0	%100
38	TB019	X	3.639	3.639	0	%100
39	TB020	Z	1.165	1.165	0	%100
40	TB020	X	.672	.672	0	%100

Member Distributed Loads (BLC 11 : W 240)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	Z	4.076	4.076	0	%100
2	H002	X	7.06	7.06	0	%100
3	H004	Z	4.076	4.076	0	%100
4	H004	X	7.06	7.06	0	%100
5	D005	Z	2.717	2.717	0	%100
6	D005	X	4.707	4.707	0	%100
7	D006	Z	2.717	2.717	0	%100
8	D006	X	4.707	4.707	0	%100
9	U007	Z	.706	.706	0	%100
10	U007	X	1.223	1.223	0	%100
11	U008	Z	.706	.706	0	%100
12	U008	X	1.223	1.223	0	%100
13	MP009	Z	3.872	3.872	0	20.5
14	MP009	Z	3.872	3.872	75.5	%100
15	MP009	X	6.707	6.707	0	%100
16	U010	Z	.706	.706	0	%100
17	U010	X	1.223	1.223	0	%100
18	U011	Z	.706	.706	0	%100
19	U011	X	1.223	1.223	0	%100
20	MP012	Z	3.872	3.872	0	20.5
21	MP012	Z	3.872	3.872	75.5	%100
22	MP012	X	6.707	6.707	0	%100
23	U013	Z	.706	.706	0	%100
24	U013	X	1.223	1.223	0	%100
25	U014	Z	.706	.706	0	%100
26	U014	X	1.223	1.223	0	%100
27	MP015	Z	3.872	3.872	0	18.5
28	MP015	Z	3.872	3.872	77.5	%100
29	MP015	X	6.707	6.707	0	%100
30	U016	Z	.706	.706	0	%100
31	U016	X	1.223	1.223	0	%100
32	U017	Z	.706	.706	0	%100
33	U017	X	1.223	1.223	0	%100
34	MP018	Z	3.872	3.872	0	18.5
35	MP018	Z	3.872	3.872	77.5	%100
36	MP018	X	6.707	6.707	0	%100
37	TB019	Z	3.814	3.814	0	%100
38	TB019	X	6.605	6.605	0	%100
39	TB020	Z	1.324	1.324	0	%100
40	TB020	X	2.294	2.294	0	%100

Member Distributed Loads (BLC 12 : W 270)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	X	0	0	0	%100
2	H004	X	0	0	0	%100
3	D005	X	4.673	4.673	0	%100
4	D006	X	4.673	4.673	0	%100
5	U007	X	1.63	1.63	0	%100
6	U008	X	1.63	1.63	0	%100
7	MP009	X	7.745	7.745	0	%100
8	U010	X	1.63	1.63	0	%100

Member Distributed Loads (BLC 12 : W 270) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
9	U011	X	1.63	1.63	0	%100
10	MP012	X	7.745	7.745	0	%100
11	U013	X	1.63	1.63	0	%100
12	U014	X	1.63	1.63	0	%100
13	MP015	X	7.745	7.745	0	%100
14	U016	X	1.63	1.63	0	%100
15	U017	X	1.63	1.63	0	%100
16	MP018	X	7.745	7.745	0	%100
17	TB019	X	5.933	5.933	0	%100
18	TB020	X	5.933	5.933	0	%100

Member Distributed Loads (BLC 13 : W 300)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	Z	-4.076	-4.076	0	%100
2	H002	X	7.06	7.06	0	%100
3	H004	Z	-4.076	-4.076	0	%100
4	H004	X	7.06	7.06	0	%100
5	D005	Z	-2.717	-2.717	0	%100
6	D005	X	4.707	4.707	0	%100
7	D006	Z	-2.717	-2.717	0	%100
8	D006	X	4.707	4.707	0	%100
9	U007	Z	-.706	-.706	0	%100
10	U007	X	1.223	1.223	0	%100
11	U008	Z	-.706	-.706	0	%100
12	U008	X	1.223	1.223	0	%100
13	MP009	Z	-3.872	-3.872	0	20.5
14	MP009	Z	-3.872	-3.872	75.5	%100
15	MP009	X	6.707	6.707	0	%100
16	U010	Z	-.706	-.706	0	%100
17	U010	X	1.223	1.223	0	%100
18	U011	Z	-.706	-.706	0	%100
19	U011	X	1.223	1.223	0	%100
20	MP012	Z	-3.872	-3.872	0	20.5
21	MP012	Z	-3.872	-3.872	75.5	%100
22	MP012	X	6.707	6.707	0	%100
23	U013	Z	-.706	-.706	0	%100
24	U013	X	1.223	1.223	0	%100
25	U014	Z	-.706	-.706	0	%100
26	U014	X	1.223	1.223	0	%100
27	MP015	Z	-3.872	-3.872	0	18.5
28	MP015	Z	-3.872	-3.872	77.5	%100
29	MP015	X	6.707	6.707	0	%100
30	U016	Z	-.706	-.706	0	%100
31	U016	X	1.223	1.223	0	%100
32	U017	Z	-.706	-.706	0	%100
33	U017	X	1.223	1.223	0	%100
34	MP018	Z	-3.872	-3.872	0	18.5
35	MP018	Z	-3.872	-3.872	77.5	%100
36	MP018	X	6.707	6.707	0	%100
37	TB019	Z	-1.324	-1.324	0	%100
38	TB019	X	2.294	2.294	0	%100

Member Distributed Loads (BLC 13 : W 300) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
39	TB020	Z	-3.814	-3.814	0	%100
40	TB020	X	6.605	6.605	0	%100

Member Distributed Loads (BLC 14 : W 330)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	Z	-12.229	-12.229	0	%100
2	H002	X	7.06	7.06	0	%100
3	H004	Z	-12.229	-12.229	0	%100
4	H004	X	7.06	7.06	0	%100
5	D005	Z	-8.152	-8.152	0	%100
6	D005	X	4.707	4.707	0	%100
7	D006	Z	-8.152	-8.152	0	%100
8	D006	X	4.707	4.707	0	%100
9	U007	Z	-.706	-.706	0	%100
10	U007	X	.408	.408	0	%100
11	U008	Z	-.706	-.706	0	%100
12	U008	X	.408	.408	0	%100
13	MP009	Z	-6.707	-6.707	0	20.5
14	MP009	Z	-6.707	-6.707	75.5	%100
15	MP009	X	3.872	3.872	0	%100
16	U010	Z	-.706	-.706	0	%100
17	U010	X	.408	.408	0	%100
18	U011	Z	-.706	-.706	0	%100
19	U011	X	.408	.408	0	%100
20	MP012	Z	-6.707	-6.707	0	20.5
21	MP012	Z	-6.707	-6.707	75.5	%100
22	MP012	X	3.872	3.872	0	%100
23	U013	Z	-.706	-.706	0	%100
24	U013	X	.408	.408	0	%100
25	U014	Z	-.706	-.706	0	%100
26	U014	X	.408	.408	0	%100
27	MP015	Z	-6.707	-6.707	0	18.5
28	MP015	Z	-6.707	-6.707	77.5	%100
29	MP015	X	3.872	3.872	0	%100
30	U016	Z	-.706	-.706	0	%100
31	U016	X	.408	.408	0	%100
32	U017	Z	-.706	-.706	0	%100
33	U017	X	.408	.408	0	%100
34	MP018	Z	-6.707	-6.707	0	18.5
35	MP018	Z	-6.707	-6.707	77.5	%100
36	MP018	X	3.872	3.872	0	%100
37	TB019	Z	-1.165	-1.165	0	%100
38	TB019	X	.672	.672	0	%100
39	TB020	Z	-6.303	-6.303	0	%100
40	TB020	X	3.639	3.639	0	%100

Member Distributed Loads (BLC 15 : Wi 0)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	Z	-2.929	-2.929	0	%100
2	H004	Z	-2.929	-2.929	0	%100
3	D005	Z	-2.372	-2.372	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
4	D006	Z	-2.372	-2.372	0	%100
5	U007	Z	0	0	0	%100
6	U008	Z	0	0	0	%100
7	MP009	Z	-2.581	-2.581	0	20.5
8	MP009	Z	-2.581	-2.581	75.5	%100
9	U010	Z	0	0	0	%100
10	U011	Z	0	0	0	%100
11	MP012	Z	-2.581	-2.581	0	20.5
12	MP012	Z	-2.581	-2.581	75.5	%100
13	U013	Z	0	0	0	%100
14	U014	Z	0	0	0	%100
15	MP015	Z	-2.581	-2.581	0	18.5
16	MP015	Z	-2.581	-2.581	77.5	%100
17	U016	Z	0	0	0	%100
18	U017	Z	0	0	0	%100
19	MP018	Z	-2.581	-2.581	0	18.5
20	MP018	Z	-2.581	-2.581	77.5	%100
21	TB019	Z	-1.659	-1.659	0	%100
22	TB020	Z	-1.659	-1.659	0	%100

Member Distributed Loads (BLC 16 : Wi 30)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	Z	-2.198	-2.198	0	%100
2	H002	X	-1.269	-1.269	0	%100
3	H004	Z	-2.198	-2.198	0	%100
4	H004	X	-1.269	-1.269	0	%100
5	D005	Z	-1.78	-1.78	0	%100
6	D005	X	-1.028	-1.028	0	%100
7	D006	Z	-1.78	-1.78	0	%100
8	D006	X	-1.028	-1.028	0	%100
9	U007	Z	-.666	-.666	0	%100
10	U007	X	-.384	-.384	0	%100
11	U008	Z	-.666	-.666	0	%100
12	U008	X	-.384	-.384	0	%100
13	MP009	Z	-2.236	-2.236	0	20.5
14	MP009	Z	-2.236	-2.236	75.5	%100
15	MP009	X	-1.291	-1.291	0	%100
16	U010	Z	-.666	-.666	0	%100
17	U010	X	-.384	-.384	0	%100
18	U011	Z	-.666	-.666	0	%100
19	U011	X	-.384	-.384	0	%100
20	MP012	Z	-2.236	-2.236	0	20.5
21	MP012	Z	-2.236	-2.236	75.5	%100
22	MP012	X	-1.291	-1.291	0	%100
23	U013	Z	-.666	-.666	0	%100
24	U013	X	-.384	-.384	0	%100
25	U014	Z	-.666	-.666	0	%100
26	U014	X	-.384	-.384	0	%100
27	MP015	Z	-2.236	-2.236	0	18.5
28	MP015	Z	-2.236	-2.236	77.5	%100
29	MP015	X	-1.291	-1.291	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
30	U016	Z	-.666	-.666	0	%100
31	U016	X	-.384	-.384	0	%100
32	U017	Z	-.666	-.666	0	%100
33	U017	X	-.384	-.384	0	%100
34	MP018	Z	-2.236	-2.236	0	18.5
35	MP018	Z	-2.236	-2.236	77.5	%100
36	MP018	X	-1.291	-1.291	0	%100
37	TB019	Z	-2.101	-2.101	0	%100
38	TB019	X	-1.213	-1.213	0	%100
39	TB020	Z	-.388	-.388	0	%100
40	TB020	X	-.224	-.224	0	%100

Member Distributed Loads (BLC 17 : Wi 60)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	Z	-.733	-.733	0	%100
2	H002	X	-1.269	-1.269	0	%100
3	H004	Z	-.733	-.733	0	%100
4	H004	X	-1.269	-1.269	0	%100
5	D005	Z	-.593	-.593	0	%100
6	D005	X	-1.028	-1.028	0	%100
7	D006	Z	-.593	-.593	0	%100
8	D006	X	-1.028	-1.028	0	%100
9	U007	Z	-.666	-.666	0	%100
10	U007	X	-1.153	-1.153	0	%100
11	U008	Z	-.666	-.666	0	%100
12	U008	X	-1.153	-1.153	0	%100
13	MP009	Z	-1.291	-1.291	0	20.5
14	MP009	Z	-1.291	-1.291	75.5	%100
15	MP009	X	-2.236	-2.236	0	%100
16	U010	Z	-.666	-.666	0	%100
17	U010	X	-1.153	-1.153	0	%100
18	U011	Z	-.666	-.666	0	%100
19	U011	X	-1.153	-1.153	0	%100
20	MP012	Z	-1.291	-1.291	0	20.5
21	MP012	Z	-1.291	-1.291	75.5	%100
22	MP012	X	-2.236	-2.236	0	%100
23	U013	Z	-.666	-.666	0	%100
24	U013	X	-1.153	-1.153	0	%100
25	U014	Z	-.666	-.666	0	%100
26	U014	X	-1.153	-1.153	0	%100
27	MP015	Z	-1.291	-1.291	0	18.5
28	MP015	Z	-1.291	-1.291	77.5	%100
29	MP015	X	-2.236	-2.236	0	%100
30	U016	Z	-.666	-.666	0	%100
31	U016	X	-1.153	-1.153	0	%100
32	U017	Z	-.666	-.666	0	%100
33	U017	X	-1.153	-1.153	0	%100
34	MP018	Z	-1.291	-1.291	0	18.5
35	MP018	Z	-1.291	-1.291	77.5	%100
36	MP018	X	-2.236	-2.236	0	%100
37	TB019	Z	-1.271	-1.271	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
38	TB019	X	-2.202	-2.202	0	%100
39	TB020	Z	-.442	-.442	0	%100
40	TB020	X	-.765	-.765	0	%100

Member Distributed Loads (BLC 18 : Wi 90)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	X	0	0	0	%100
2	H004	X	0	0	0	%100
3	D005	X	-1.02	-1.02	0	%100
4	D006	X	-1.02	-1.02	0	%100
5	U007	X	-1.538	-1.538	0	%100
6	U008	X	-1.538	-1.538	0	%100
7	MP009	X	-2.582	-2.582	0	%100
8	U010	X	-1.538	-1.538	0	%100
9	U011	X	-1.538	-1.538	0	%100
10	MP012	X	-2.582	-2.582	0	%100
11	U013	X	-1.538	-1.538	0	%100
12	U014	X	-1.538	-1.538	0	%100
13	MP015	X	-2.582	-2.582	0	%100
14	U016	X	-1.538	-1.538	0	%100
15	U017	X	-1.538	-1.538	0	%100
16	MP018	X	-2.582	-2.582	0	%100
17	TB019	X	-1.978	-1.978	0	%100
18	TB020	X	-1.978	-1.978	0	%100

Member Distributed Loads (BLC 19 : Wi 120)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	Z	.733	.733	0	%100
2	H002	X	-1.269	-1.269	0	%100
3	H004	Z	.733	.733	0	%100
4	H004	X	-1.269	-1.269	0	%100
5	D005	Z	.593	.593	0	%100
6	D005	X	-1.028	-1.028	0	%100
7	D006	Z	.593	.593	0	%100
8	D006	X	-1.028	-1.028	0	%100
9	U007	Z	.666	.666	0	%100
10	U007	X	-1.153	-1.153	0	%100
11	U008	Z	.666	.666	0	%100
12	U008	X	-1.153	-1.153	0	%100
13	MP009	Z	1.291	1.291	0	20.5
14	MP009	Z	1.291	1.291	75.5	%100
15	MP009	X	-2.236	-2.236	0	%100
16	U010	Z	.666	.666	0	%100
17	U010	X	-1.153	-1.153	0	%100
18	U011	Z	.666	.666	0	%100
19	U011	X	-1.153	-1.153	0	%100
20	MP012	Z	1.291	1.291	0	20.5
21	MP012	Z	1.291	1.291	75.5	%100
22	MP012	X	-2.236	-2.236	0	%100
23	U013	Z	.666	.666	0	%100
24	U013	X	-1.153	-1.153	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
25	U014	Z	.666	.666	0	%100
26	U014	X	-1.153	-1.153	0	%100
27	MP015	Z	1.291	1.291	0	18.5
28	MP015	Z	1.291	1.291	77.5	%100
29	MP015	X	-2.236	-2.236	0	%100
30	U016	Z	.666	.666	0	%100
31	U016	X	-1.153	-1.153	0	%100
32	U017	Z	.666	.666	0	%100
33	U017	X	-1.153	-1.153	0	%100
34	MP018	Z	1.291	1.291	0	18.5
35	MP018	Z	1.291	1.291	77.5	%100
36	MP018	X	-2.236	-2.236	0	%100
37	TB019	Z	.442	.442	0	%100
38	TB019	X	-.765	-.765	0	%100
39	TB020	Z	1.271	1.271	0	%100
40	TB020	X	-2.202	-2.202	0	%100

Member Distributed Loads (BLC 20 : Wi 150)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	Z	2.198	2.198	0	%100
2	H002	X	-1.269	-1.269	0	%100
3	H004	Z	2.198	2.198	0	%100
4	H004	X	-1.269	-1.269	0	%100
5	D005	Z	1.78	1.78	0	%100
6	D005	X	-1.028	-1.028	0	%100
7	D006	Z	1.78	1.78	0	%100
8	D006	X	-1.028	-1.028	0	%100
9	U007	Z	.666	.666	0	%100
10	U007	X	-.384	-.384	0	%100
11	U008	Z	.666	.666	0	%100
12	U008	X	-.384	-.384	0	%100
13	MP009	Z	2.236	2.236	0	20.5
14	MP009	Z	2.236	2.236	75.5	%100
15	MP009	X	-1.291	-1.291	0	%100
16	U010	Z	.666	.666	0	%100
17	U010	X	-.384	-.384	0	%100
18	U011	Z	.666	.666	0	%100
19	U011	X	-.384	-.384	0	%100
20	MP012	Z	2.236	2.236	0	20.5
21	MP012	Z	2.236	2.236	75.5	%100
22	MP012	X	-1.291	-1.291	0	%100
23	U013	Z	.666	.666	0	%100
24	U013	X	-.384	-.384	0	%100
25	U014	Z	.666	.666	0	%100
26	U014	X	-.384	-.384	0	%100
27	MP015	Z	2.236	2.236	0	18.5
28	MP015	Z	2.236	2.236	77.5	%100
29	MP015	X	-1.291	-1.291	0	%100
30	U016	Z	.666	.666	0	%100
31	U016	X	-.384	-.384	0	%100
32	U017	Z	.666	.666	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
33	U017	X	-.384	-.384	0	%100
34	MP018	Z	2.236	2.236	0	18.5
35	MP018	Z	2.236	2.236	77.5	%100
36	MP018	X	-1.291	-1.291	0	%100
37	TB019	Z	.388	.388	0	%100
38	TB019	X	-.224	-.224	0	%100
39	TB020	Z	2.101	2.101	0	%100
40	TB020	X	-1.213	-1.213	0	%100

Member Distributed Loads (BLC 21 : Wi 180)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	Z	2.93	2.93	0	%100
2	H004	Z	2.93	2.93	0	%100
3	D005	Z	2.373	2.373	0	%100
4	D006	Z	2.373	2.373	0	%100
5	U007	Z	0	0	0	%100
6	U008	Z	0	0	0	%100
7	MP009	Z	2.582	2.582	0	20.5
8	MP009	Z	2.582	2.582	75.5	%100
9	U010	Z	0	0	0	%100
10	U011	Z	0	0	0	%100
11	MP012	Z	2.582	2.582	0	20.5
12	MP012	Z	2.582	2.582	75.5	%100
13	U013	Z	0	0	0	%100
14	U014	Z	0	0	0	%100
15	MP015	Z	2.582	2.582	0	18.5
16	MP015	Z	2.582	2.582	77.5	%100
17	U016	Z	0	0	0	%100
18	U017	Z	0	0	0	%100
19	MP018	Z	2.582	2.582	0	18.5
20	MP018	Z	2.582	2.582	77.5	%100
21	TB019	Z	1.66	1.66	0	%100
22	TB020	Z	1.66	1.66	0	%100

Member Distributed Loads (BLC 22 : Wi 210)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	Z	2.198	2.198	0	%100
2	H002	X	1.269	1.269	0	%100
3	H004	Z	2.198	2.198	0	%100
4	H004	X	1.269	1.269	0	%100
5	D005	Z	1.78	1.78	0	%100
6	D005	X	1.028	1.028	0	%100
7	D006	Z	1.78	1.78	0	%100
8	D006	X	1.028	1.028	0	%100
9	U007	Z	.666	.666	0	%100
10	U007	X	.384	.384	0	%100
11	U008	Z	.666	.666	0	%100
12	U008	X	.384	.384	0	%100
13	MP009	Z	2.236	2.236	0	20.5
14	MP009	Z	2.236	2.236	75.5	%100
15	MP009	X	1.291	1.291	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
16	U010	Z	.666	.666	0	%100
17	U010	X	.384	.384	0	%100
18	U011	Z	.666	.666	0	%100
19	U011	X	.384	.384	0	%100
20	MP012	Z	2.236	2.236	0	20.5
21	MP012	Z	2.236	2.236	75.5	%100
22	MP012	X	1.291	1.291	0	%100
23	U013	Z	.666	.666	0	%100
24	U013	X	.384	.384	0	%100
25	U014	Z	.666	.666	0	%100
26	U014	X	.384	.384	0	%100
27	MP015	Z	2.236	2.236	0	18.5
28	MP015	Z	2.236	2.236	77.5	%100
29	MP015	X	1.291	1.291	0	%100
30	U016	Z	.666	.666	0	%100
31	U016	X	.384	.384	0	%100
32	U017	Z	.666	.666	0	%100
33	U017	X	.384	.384	0	%100
34	MP018	Z	2.236	2.236	0	18.5
35	MP018	Z	2.236	2.236	77.5	%100
36	MP018	X	1.291	1.291	0	%100
37	TB019	Z	2.101	2.101	0	%100
38	TB019	X	1.213	1.213	0	%100
39	TB020	Z	.388	.388	0	%100
40	TB020	X	.224	.224	0	%100

Member Distributed Loads (BLC 23 : Wi 240)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	Z	.733	.733	0	%100
2	H002	X	1.269	1.269	0	%100
3	H004	Z	.733	.733	0	%100
4	H004	X	1.269	1.269	0	%100
5	D005	Z	.593	.593	0	%100
6	D005	X	1.028	1.028	0	%100
7	D006	Z	.593	.593	0	%100
8	D006	X	1.028	1.028	0	%100
9	U007	Z	.666	.666	0	%100
10	U007	X	1.153	1.153	0	%100
11	U008	Z	.666	.666	0	%100
12	U008	X	1.153	1.153	0	%100
13	MP009	Z	1.291	1.291	0	20.5
14	MP009	Z	1.291	1.291	75.5	%100
15	MP009	X	2.236	2.236	0	%100
16	U010	Z	.666	.666	0	%100
17	U010	X	1.153	1.153	0	%100
18	U011	Z	.666	.666	0	%100
19	U011	X	1.153	1.153	0	%100
20	MP012	Z	1.291	1.291	0	20.5
21	MP012	Z	1.291	1.291	75.5	%100
22	MP012	X	2.236	2.236	0	%100
23	U013	Z	.666	.666	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
24	U013	X	1.153	1.153	0	%100
25	U014	Z	.666	.666	0	%100
26	U014	X	1.153	1.153	0	%100
27	MP015	Z	1.291	1.291	0	18.5
28	MP015	Z	1.291	1.291	77.5	%100
29	MP015	X	2.236	2.236	0	%100
30	U016	Z	.666	.666	0	%100
31	U016	X	1.153	1.153	0	%100
32	U017	Z	.666	.666	0	%100
33	U017	X	1.153	1.153	0	%100
34	MP018	Z	1.291	1.291	0	18.5
35	MP018	Z	1.291	1.291	77.5	%100
36	MP018	X	2.236	2.236	0	%100
37	TB019	Z	1.271	1.271	0	%100
38	TB019	X	2.202	2.202	0	%100
39	TB020	Z	.442	.442	0	%100
40	TB020	X	.765	.765	0	%100

Member Distributed Loads (BLC 24 : Wi 270)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	X	0	0	0	%100
2	H004	X	0	0	0	%100
3	D005	X	1.02	1.02	0	%100
4	D006	X	1.02	1.02	0	%100
5	U007	X	1.538	1.538	0	%100
6	U008	X	1.538	1.538	0	%100
7	MP009	X	2.582	2.582	0	%100
8	U010	X	1.538	1.538	0	%100
9	U011	X	1.538	1.538	0	%100
10	MP012	X	2.582	2.582	0	%100
11	U013	X	1.538	1.538	0	%100
12	U014	X	1.538	1.538	0	%100
13	MP015	X	2.582	2.582	0	%100
14	U016	X	1.538	1.538	0	%100
15	U017	X	1.538	1.538	0	%100
16	MP018	X	2.582	2.582	0	%100
17	TB019	X	1.978	1.978	0	%100
18	TB020	X	1.978	1.978	0	%100

Member Distributed Loads (BLC 25 : Wi 300)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	Z	-.733	-.733	0	%100
2	H002	X	1.269	1.269	0	%100
3	H004	Z	-.733	-.733	0	%100
4	H004	X	1.269	1.269	0	%100
5	D005	Z	-.593	-.593	0	%100
6	D005	X	1.028	1.028	0	%100
7	D006	Z	-.593	-.593	0	%100
8	D006	X	1.028	1.028	0	%100
9	U007	Z	-.666	-.666	0	%100
10	U007	X	1.153	1.153	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
11	U008	Z	-.666	-.666	0	%100
12	U008	X	1.153	1.153	0	%100
13	MP009	Z	-1.291	-1.291	0	20.5
14	MP009	Z	-1.291	-1.291	75.5	%100
15	MP009	X	2.236	2.236	0	%100
16	U010	Z	-.666	-.666	0	%100
17	U010	X	1.153	1.153	0	%100
18	U011	Z	-.666	-.666	0	%100
19	U011	X	1.153	1.153	0	%100
20	MP012	Z	-1.291	-1.291	0	20.5
21	MP012	Z	-1.291	-1.291	75.5	%100
22	MP012	X	2.236	2.236	0	%100
23	U013	Z	-.666	-.666	0	%100
24	U013	X	1.153	1.153	0	%100
25	U014	Z	-.666	-.666	0	%100
26	U014	X	1.153	1.153	0	%100
27	MP015	Z	-1.291	-1.291	0	18.5
28	MP015	Z	-1.291	-1.291	77.5	%100
29	MP015	X	2.236	2.236	0	%100
30	U016	Z	-.666	-.666	0	%100
31	U016	X	1.153	1.153	0	%100
32	U017	Z	-.666	-.666	0	%100
33	U017	X	1.153	1.153	0	%100
34	MP018	Z	-1.291	-1.291	0	18.5
35	MP018	Z	-1.291	-1.291	77.5	%100
36	MP018	X	2.236	2.236	0	%100
37	TB019	Z	-.442	-.442	0	%100
38	TB019	X	.765	.765	0	%100
39	TB020	Z	-1.271	-1.271	0	%100
40	TB020	X	2.202	2.202	0	%100

Member Distributed Loads (BLC 26 : Wi 330)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	Z	-2.198	-2.198	0	%100
2	H002	X	1.269	1.269	0	%100
3	H004	Z	-2.198	-2.198	0	%100
4	H004	X	1.269	1.269	0	%100
5	D005	Z	-1.78	-1.78	0	%100
6	D005	X	1.028	1.028	0	%100
7	D006	Z	-1.78	-1.78	0	%100
8	D006	X	1.028	1.028	0	%100
9	U007	Z	-.666	-.666	0	%100
10	U007	X	.384	.384	0	%100
11	U008	Z	-.666	-.666	0	%100
12	U008	X	.384	.384	0	%100
13	MP009	Z	-2.236	-2.236	0	20.5
14	MP009	Z	-2.236	-2.236	75.5	%100
15	MP009	X	1.291	1.291	0	%100
16	U010	Z	-.666	-.666	0	%100
17	U010	X	.384	.384	0	%100
18	U011	Z	-.666	-.666	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
19	U011	X	.384	.384	0	%100
20	MP012	Z	-2.236	-2.236	0	20.5
21	MP012	Z	-2.236	-2.236	75.5	%100
22	MP012	X	1.291	1.291	0	%100
23	U013	Z	-.666	-.666	0	%100
24	U013	X	.384	.384	0	%100
25	U014	Z	-.666	-.666	0	%100
26	U014	X	.384	.384	0	%100
27	MP015	Z	-2.236	-2.236	0	18.5
28	MP015	Z	-2.236	-2.236	77.5	%100
29	MP015	X	1.291	1.291	0	%100
30	U016	Z	-.666	-.666	0	%100
31	U016	X	.384	.384	0	%100
32	U017	Z	-.666	-.666	0	%100
33	U017	X	.384	.384	0	%100
34	MP018	Z	-2.236	-2.236	0	18.5
35	MP018	Z	-2.236	-2.236	77.5	%100
36	MP018	X	1.291	1.291	0	%100
37	TB019	Z	-.388	-.388	0	%100
38	TB019	X	.224	.224	0	%100
39	TB020	Z	-2.101	-2.101	0	%100
40	TB020	X	1.213	1.213	0	%100

Member Distributed Loads (BLC 27 : Ws 0)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	Z	-1.002	-1.002	0	%100
2	H004	Z	-1.002	-1.002	0	%100
3	D005	Z	-.668	-.668	0	%100
4	D006	Z	-.668	-.668	0	%100
5	U007	Z	0	0	0	%100
6	U008	Z	0	0	0	%100
7	MP009	Z	-.476	-.476	0	20.5
8	MP009	Z	-.476	-.476	75.5	%100
9	U010	Z	0	0	0	%100
10	U011	Z	0	0	0	%100
11	MP012	Z	-.476	-.476	0	20.5
12	MP012	Z	-.476	-.476	75.5	%100
13	U013	Z	0	0	0	%100
14	U014	Z	0	0	0	%100
15	MP015	Z	-.476	-.476	0	18.5
16	MP015	Z	-.476	-.476	77.5	%100
17	U016	Z	0	0	0	%100
18	U017	Z	0	0	0	%100
19	MP018	Z	-.476	-.476	0	18.5
20	MP018	Z	-.476	-.476	77.5	%100
21	TB019	Z	-.306	-.306	0	%100
22	TB020	Z	-.306	-.306	0	%100

Member Distributed Loads (BLC 28 : Ws 30)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	Z	-.752	-.752	0	%100

Member Distributed Loads (BLC 28 : Ws 30) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
2	H002	X	-.434	-.434	0	%100
3	H004	Z	-.752	-.752	0	%100
4	H004	X	-.434	-.434	0	%100
5	D005	Z	-.501	-.501	0	%100
6	D005	X	-.289	-.289	0	%100
7	D006	Z	-.501	-.501	0	%100
8	D006	X	-.289	-.289	0	%100
9	U007	Z	-.043	-.043	0	%100
10	U007	X	-.025	-.025	0	%100
11	U008	Z	-.043	-.043	0	%100
12	U008	X	-.025	-.025	0	%100
13	MP009	Z	-.412	-.412	0	20.5
14	MP009	Z	-.412	-.412	75.5	%100
15	MP009	X	-.238	-.238	0	%100
16	U010	Z	-.043	-.043	0	%100
17	U010	X	-.025	-.025	0	%100
18	U011	Z	-.043	-.043	0	%100
19	U011	X	-.025	-.025	0	%100
20	MP012	Z	-.412	-.412	0	20.5
21	MP012	Z	-.412	-.412	75.5	%100
22	MP012	X	-.238	-.238	0	%100
23	U013	Z	-.043	-.043	0	%100
24	U013	X	-.025	-.025	0	%100
25	U014	Z	-.043	-.043	0	%100
26	U014	X	-.025	-.025	0	%100
27	MP015	Z	-.412	-.412	0	18.5
28	MP015	Z	-.412	-.412	77.5	%100
29	MP015	X	-.238	-.238	0	%100
30	U016	Z	-.043	-.043	0	%100
31	U016	X	-.025	-.025	0	%100
32	U017	Z	-.043	-.043	0	%100
33	U017	X	-.025	-.025	0	%100
34	MP018	Z	-.412	-.412	0	18.5
35	MP018	Z	-.412	-.412	77.5	%100
36	MP018	X	-.238	-.238	0	%100
37	TB019	Z	-.387	-.387	0	%100
38	TB019	X	-.224	-.224	0	%100
39	TB020	Z	-.072	-.072	0	%100
40	TB020	X	-.041	-.041	0	%100

Member Distributed Loads (BLC 29 : Ws 60)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	Z	-.251	-.251	0	%100
2	H002	X	-.434	-.434	0	%100
3	H004	Z	-.251	-.251	0	%100
4	H004	X	-.434	-.434	0	%100
5	D005	Z	-.167	-.167	0	%100
6	D005	X	-.289	-.289	0	%100
7	D006	Z	-.167	-.167	0	%100
8	D006	X	-.289	-.289	0	%100
9	U007	Z	-.043	-.043	0	%100

Member Distributed Loads (BLC 29 : Ws 60) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
10	U007	X	-.075	-.075	0	%100
11	U008	Z	-.043	-.043	0	%100
12	U008	X	-.075	-.075	0	%100
13	MP009	Z	-.238	-.238	0	20.5
14	MP009	Z	-.238	-.238	75.5	%100
15	MP009	X	-.412	-.412	0	%100
16	U010	Z	-.043	-.043	0	%100
17	U010	X	-.075	-.075	0	%100
18	U011	Z	-.043	-.043	0	%100
19	U011	X	-.075	-.075	0	%100
20	MP012	Z	-.238	-.238	0	20.5
21	MP012	Z	-.238	-.238	75.5	%100
22	MP012	X	-.412	-.412	0	%100
23	U013	Z	-.043	-.043	0	%100
24	U013	X	-.075	-.075	0	%100
25	U014	Z	-.043	-.043	0	%100
26	U014	X	-.075	-.075	0	%100
27	MP015	Z	-.238	-.238	0	18.5
28	MP015	Z	-.238	-.238	77.5	%100
29	MP015	X	-.412	-.412	0	%100
30	U016	Z	-.043	-.043	0	%100
31	U016	X	-.075	-.075	0	%100
32	U017	Z	-.043	-.043	0	%100
33	U017	X	-.075	-.075	0	%100
34	MP018	Z	-.238	-.238	0	18.5
35	MP018	Z	-.238	-.238	77.5	%100
36	MP018	X	-.412	-.412	0	%100
37	TB019	Z	-.234	-.234	0	%100
38	TB019	X	-.406	-.406	0	%100
39	TB020	Z	-.081	-.081	0	%100
40	TB020	X	-.141	-.141	0	%100

Member Distributed Loads (BLC 30 : Ws 90)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	X	0	0	0	%100
2	H004	X	0	0	0	%100
3	D005	X	-.287	-.287	0	%100
4	D006	X	-.287	-.287	0	%100
5	U007	X	-.1	-.1	0	%100
6	U008	X	-.1	-.1	0	%100
7	MP009	X	-.476	-.476	0	%100
8	U010	X	-.1	-.1	0	%100
9	U011	X	-.1	-.1	0	%100
10	MP012	X	-.476	-.476	0	%100
11	U013	X	-.1	-.1	0	%100
12	U014	X	-.1	-.1	0	%100
13	MP015	X	-.476	-.476	0	%100
14	U016	X	-.1	-.1	0	%100
15	U017	X	-.1	-.1	0	%100
16	MP018	X	-.476	-.476	0	%100
17	TB019	X	-.365	-.365	0	%100

Member Distributed Loads (BLC 30 : Ws 90) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
18	TB020	X	-.365	-.365	0	%100

Member Distributed Loads (BLC 31 : Ws 120)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	Z	.251	.251	0	%100
2	H002	X	-.434	-.434	0	%100
3	H004	Z	.251	.251	0	%100
4	H004	X	-.434	-.434	0	%100
5	D005	Z	.167	.167	0	%100
6	D005	X	-.289	-.289	0	%100
7	D006	Z	.167	.167	0	%100
8	D006	X	-.289	-.289	0	%100
9	U007	Z	.043	.043	0	%100
10	U007	X	-.075	-.075	0	%100
11	U008	Z	.043	.043	0	%100
12	U008	X	-.075	-.075	0	%100
13	MP009	Z	.238	.238	0	20.5
14	MP009	Z	.238	.238	75.5	%100
15	MP009	X	-.412	-.412	0	%100
16	U010	Z	.043	.043	0	%100
17	U010	X	-.075	-.075	0	%100
18	U011	Z	.043	.043	0	%100
19	U011	X	-.075	-.075	0	%100
20	MP012	Z	.238	.238	0	20.5
21	MP012	Z	.238	.238	75.5	%100
22	MP012	X	-.412	-.412	0	%100
23	U013	Z	.043	.043	0	%100
24	U013	X	-.075	-.075	0	%100
25	U014	Z	.043	.043	0	%100
26	U014	X	-.075	-.075	0	%100
27	MP015	Z	.238	.238	0	18.5
28	MP015	Z	.238	.238	77.5	%100
29	MP015	X	-.412	-.412	0	%100
30	U016	Z	.043	.043	0	%100
31	U016	X	-.075	-.075	0	%100
32	U017	Z	.043	.043	0	%100
33	U017	X	-.075	-.075	0	%100
34	MP018	Z	.238	.238	0	18.5
35	MP018	Z	.238	.238	77.5	%100
36	MP018	X	-.412	-.412	0	%100
37	TB019	Z	.081	.081	0	%100
38	TB019	X	-.141	-.141	0	%100
39	TB020	Z	.234	.234	0	%100
40	TB020	X	-.406	-.406	0	%100

Member Distributed Loads (BLC 32 : Ws 150)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	Z	.752	.752	0	%100
2	H002	X	-.434	-.434	0	%100
3	H004	Z	.752	.752	0	%100
4	H004	X	-.434	-.434	0	%100

Member Distributed Loads (BLC 32 : Ws 150) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
5	D005	Z	.501	.501	0	%100
6	D005	X	-.289	-.289	0	%100
7	D006	Z	.501	.501	0	%100
8	D006	X	-.289	-.289	0	%100
9	U007	Z	.043	.043	0	%100
10	U007	X	-.025	-.025	0	%100
11	U008	Z	.043	.043	0	%100
12	U008	X	-.025	-.025	0	%100
13	MP009	Z	.412	.412	0	20.5
14	MP009	Z	.412	.412	75.5	%100
15	MP009	X	-.238	-.238	0	%100
16	U010	Z	.043	.043	0	%100
17	U010	X	-.025	-.025	0	%100
18	U011	Z	.043	.043	0	%100
19	U011	X	-.025	-.025	0	%100
20	MP012	Z	.412	.412	0	20.5
21	MP012	Z	.412	.412	75.5	%100
22	MP012	X	-.238	-.238	0	%100
23	U013	Z	.043	.043	0	%100
24	U013	X	-.025	-.025	0	%100
25	U014	Z	.043	.043	0	%100
26	U014	X	-.025	-.025	0	%100
27	MP015	Z	.412	.412	0	18.5
28	MP015	Z	.412	.412	77.5	%100
29	MP015	X	-.238	-.238	0	%100
30	U016	Z	.043	.043	0	%100
31	U016	X	-.025	-.025	0	%100
32	U017	Z	.043	.043	0	%100
33	U017	X	-.025	-.025	0	%100
34	MP018	Z	.412	.412	0	18.5
35	MP018	Z	.412	.412	77.5	%100
36	MP018	X	-.238	-.238	0	%100
37	TB019	Z	.072	.072	0	%100
38	TB019	X	-.041	-.041	0	%100
39	TB020	Z	.387	.387	0	%100
40	TB020	X	-.224	-.224	0	%100

Member Distributed Loads (BLC 33 : Ws 180)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	Z	1.002	1.002	0	%100
2	H004	Z	1.002	1.002	0	%100
3	D005	Z	.668	.668	0	%100
4	D006	Z	.668	.668	0	%100
5	U007	Z	0	0	0	%100
6	U008	Z	0	0	0	%100
7	MP009	Z	.476	.476	0	20.5
8	MP009	Z	.476	.476	75.5	%100
9	U010	Z	0	0	0	%100
10	U011	Z	0	0	0	%100
11	MP012	Z	.476	.476	0	20.5
12	MP012	Z	.476	.476	75.5	%100

Member Distributed Loads (BLC 33 : Ws 180) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
13	U013	Z	0	0	0	%100
14	U014	Z	0	0	0	%100
15	MP015	Z	.476	.476	0	18.5
16	MP015	Z	.476	.476	77.5	%100
17	U016	Z	0	0	0	%100
18	U017	Z	0	0	0	%100
19	MP018	Z	.476	.476	0	18.5
20	MP018	Z	.476	.476	77.5	%100
21	TB019	Z	.306	.306	0	%100
22	TB020	Z	.306	.306	0	%100

Member Distributed Loads (BLC 34 : Ws 210)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	Z	.752	.752	0	%100
2	H002	X	.434	.434	0	%100
3	H004	Z	.752	.752	0	%100
4	H004	X	.434	.434	0	%100
5	D005	Z	.501	.501	0	%100
6	D005	X	.289	.289	0	%100
7	D006	Z	.501	.501	0	%100
8	D006	X	.289	.289	0	%100
9	U007	Z	.043	.043	0	%100
10	U007	X	.025	.025	0	%100
11	U008	Z	.043	.043	0	%100
12	U008	X	.025	.025	0	%100
13	MP009	Z	.412	.412	0	20.5
14	MP009	Z	.412	.412	75.5	%100
15	MP009	X	.238	.238	0	%100
16	U010	Z	.043	.043	0	%100
17	U010	X	.025	.025	0	%100
18	U011	Z	.043	.043	0	%100
19	U011	X	.025	.025	0	%100
20	MP012	Z	.412	.412	0	20.5
21	MP012	Z	.412	.412	75.5	%100
22	MP012	X	.238	.238	0	%100
23	U013	Z	.043	.043	0	%100
24	U013	X	.025	.025	0	%100
25	U014	Z	.043	.043	0	%100
26	U014	X	.025	.025	0	%100
27	MP015	Z	.412	.412	0	18.5
28	MP015	Z	.412	.412	77.5	%100
29	MP015	X	.238	.238	0	%100
30	U016	Z	.043	.043	0	%100
31	U016	X	.025	.025	0	%100
32	U017	Z	.043	.043	0	%100
33	U017	X	.025	.025	0	%100
34	MP018	Z	.412	.412	0	18.5
35	MP018	Z	.412	.412	77.5	%100
36	MP018	X	.238	.238	0	%100
37	TB019	Z	.387	.387	0	%100
38	TB019	X	.224	.224	0	%100

Member Distributed Loads (BLC 34 : Ws 210) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
39	TB020	Z	.072	.072	0	%100
40	TB020	X	.041	.041	0	%100

Member Distributed Loads (BLC 35 : Ws 240)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	Z	.251	.251	0	%100
2	H002	X	.434	.434	0	%100
3	H004	Z	.251	.251	0	%100
4	H004	X	.434	.434	0	%100
5	D005	Z	.167	.167	0	%100
6	D005	X	.289	.289	0	%100
7	D006	Z	.167	.167	0	%100
8	D006	X	.289	.289	0	%100
9	U007	Z	.043	.043	0	%100
10	U007	X	.075	.075	0	%100
11	U008	Z	.043	.043	0	%100
12	U008	X	.075	.075	0	%100
13	MP009	Z	.238	.238	0	20.5
14	MP009	Z	.238	.238	75.5	%100
15	MP009	X	.412	.412	0	%100
16	U010	Z	.043	.043	0	%100
17	U010	X	.075	.075	0	%100
18	U011	Z	.043	.043	0	%100
19	U011	X	.075	.075	0	%100
20	MP012	Z	.238	.238	0	20.5
21	MP012	Z	.238	.238	75.5	%100
22	MP012	X	.412	.412	0	%100
23	U013	Z	.043	.043	0	%100
24	U013	X	.075	.075	0	%100
25	U014	Z	.043	.043	0	%100
26	U014	X	.075	.075	0	%100
27	MP015	Z	.238	.238	0	18.5
28	MP015	Z	.238	.238	77.5	%100
29	MP015	X	.412	.412	0	%100
30	U016	Z	.043	.043	0	%100
31	U016	X	.075	.075	0	%100
32	U017	Z	.043	.043	0	%100
33	U017	X	.075	.075	0	%100
34	MP018	Z	.238	.238	0	18.5
35	MP018	Z	.238	.238	77.5	%100
36	MP018	X	.412	.412	0	%100
37	TB019	Z	.234	.234	0	%100
38	TB019	X	.406	.406	0	%100
39	TB020	Z	.081	.081	0	%100
40	TB020	X	.141	.141	0	%100

Member Distributed Loads (BLC 36 : Ws 270)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	X	0	0	0	%100
2	H004	X	0	0	0	%100
3	D005	X	.287	.287	0	%100

Member Distributed Loads (BLC 36 : Ws 270) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
4	D006	X	.287	.287	0	%100
5	U007	X	.1	.1	0	%100
6	U008	X	.1	.1	0	%100
7	MP009	X	.476	.476	0	%100
8	U010	X	.1	.1	0	%100
9	U011	X	.1	.1	0	%100
10	MP012	X	.476	.476	0	%100
11	U013	X	.1	.1	0	%100
12	U014	X	.1	.1	0	%100
13	MP015	X	.476	.476	0	%100
14	U016	X	.1	.1	0	%100
15	U017	X	.1	.1	0	%100
16	MP018	X	.476	.476	0	%100
17	TB019	X	.365	.365	0	%100
18	TB020	X	.365	.365	0	%100

Member Distributed Loads (BLC 37 : Ws 300)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	Z	-.251	-.251	0	%100
2	H002	X	.434	.434	0	%100
3	H004	Z	-.251	-.251	0	%100
4	H004	X	.434	.434	0	%100
5	D005	Z	-.167	-.167	0	%100
6	D005	X	.289	.289	0	%100
7	D006	Z	-.167	-.167	0	%100
8	D006	X	.289	.289	0	%100
9	U007	Z	-.043	-.043	0	%100
10	U007	X	.075	.075	0	%100
11	U008	Z	-.043	-.043	0	%100
12	U008	X	.075	.075	0	%100
13	MP009	Z	-.238	-.238	0	20.5
14	MP009	Z	-.238	-.238	75.5	%100
15	MP009	X	.412	.412	0	%100
16	U010	Z	-.043	-.043	0	%100
17	U010	X	.075	.075	0	%100
18	U011	Z	-.043	-.043	0	%100
19	U011	X	.075	.075	0	%100
20	MP012	Z	-.238	-.238	0	20.5
21	MP012	Z	-.238	-.238	75.5	%100
22	MP012	X	.412	.412	0	%100
23	U013	Z	-.043	-.043	0	%100
24	U013	X	.075	.075	0	%100
25	U014	Z	-.043	-.043	0	%100
26	U014	X	.075	.075	0	%100
27	MP015	Z	-.238	-.238	0	18.5
28	MP015	Z	-.238	-.238	77.5	%100
29	MP015	X	.412	.412	0	%100
30	U016	Z	-.043	-.043	0	%100
31	U016	X	.075	.075	0	%100
32	U017	Z	-.043	-.043	0	%100
33	U017	X	.075	.075	0	%100

Member Distributed Loads (BLC 37 : Ws 300) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
34	MP018	Z	-.238	-.238	0	18.5
35	MP018	Z	-.238	-.238	77.5	%100
36	MP018	X	.412	.412	0	%100
37	TB019	Z	-.081	-.081	0	%100
38	TB019	X	.141	.141	0	%100
39	TB020	Z	-.234	-.234	0	%100
40	TB020	X	.406	.406	0	%100

Member Distributed Loads (BLC 38 : Ws 330)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	Z	-.752	-.752	0	%100
2	H002	X	.434	.434	0	%100
3	H004	Z	-.752	-.752	0	%100
4	H004	X	.434	.434	0	%100
5	D005	Z	-.501	-.501	0	%100
6	D005	X	.289	.289	0	%100
7	D006	Z	-.501	-.501	0	%100
8	D006	X	.289	.289	0	%100
9	U007	Z	-.043	-.043	0	%100
10	U007	X	.025	.025	0	%100
11	U008	Z	-.043	-.043	0	%100
12	U008	X	.025	.025	0	%100
13	MP009	Z	-.412	-.412	0	20.5
14	MP009	Z	-.412	-.412	75.5	%100
15	MP009	X	.238	.238	0	%100
16	U010	Z	-.043	-.043	0	%100
17	U010	X	.025	.025	0	%100
18	U011	Z	-.043	-.043	0	%100
19	U011	X	.025	.025	0	%100
20	MP012	Z	-.412	-.412	0	20.5
21	MP012	Z	-.412	-.412	75.5	%100
22	MP012	X	.238	.238	0	%100
23	U013	Z	-.043	-.043	0	%100
24	U013	X	.025	.025	0	%100
25	U014	Z	-.043	-.043	0	%100
26	U014	X	.025	.025	0	%100
27	MP015	Z	-.412	-.412	0	18.5
28	MP015	Z	-.412	-.412	77.5	%100
29	MP015	X	.238	.238	0	%100
30	U016	Z	-.043	-.043	0	%100
31	U016	X	.025	.025	0	%100
32	U017	Z	-.043	-.043	0	%100
33	U017	X	.025	.025	0	%100
34	MP018	Z	-.412	-.412	0	18.5
35	MP018	Z	-.412	-.412	77.5	%100
36	MP018	X	.238	.238	0	%100
37	TB019	Z	-.072	-.072	0	%100
38	TB019	X	.041	.041	0	%100
39	TB020	Z	-.387	-.387	0	%100
40	TB020	X	.224	.224	0	%100

Member Distributed Loads (BLC 39 : Ev -Y)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	Y	-.483	-.483	0	%100
2	H004	Y	-.483	-.483	0	%100
3	D005	Y	-.483	-.483	0	%100
4	D006	Y	-.483	-.483	0	%100
5	MP009	Y	-.483	-.483	0	%100
6	MP012	Y	-.483	-.483	0	%100
7	MP015	Y	-.483	-.483	0	%100
8	MP018	Y	-.483	-.483	0	%100
9	TB019	Y	-.483	-.483	0	%100
10	TB020	Y	-.483	-.483	0	%100

Member Distributed Loads (BLC 40 : Eh -Z)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	Z	-1.207	-1.207	0	%100
2	H004	Z	-1.207	-1.207	0	%100
3	D005	Z	-1.207	-1.207	0	%100
4	D006	Z	-1.207	-1.207	0	%100
5	MP009	Z	-1.207	-1.207	0	%100
6	MP012	Z	-1.207	-1.207	0	%100
7	MP015	Z	-1.207	-1.207	0	%100
8	MP018	Z	-1.207	-1.207	0	%100
9	TB019	Z	-1.207	-1.207	0	%100
10	TB020	Z	-1.207	-1.207	0	%100

Member Distributed Loads (BLC 41 : Eh -X)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	H002	X	-1.207	-1.207	0	%100
2	H004	X	-1.207	-1.207	0	%100
3	D005	X	-1.207	-1.207	0	%100
4	D006	X	-1.207	-1.207	0	%100
5	MP009	X	-1.207	-1.207	0	%100
6	MP012	X	-1.207	-1.207	0	%100
7	MP015	X	-1.207	-1.207	0	%100
8	MP018	X	-1.207	-1.207	0	%100
9	TB019	X	-1.207	-1.207	0	%100
10	TB020	X	-1.207	-1.207	0	%100

Member Area Loads

Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[psf]
No Data to Print ...						

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	D	DL		-1			17			
2	Di	IL					17	10		
3	W 0	WL					17	22		
4	W 30	WL					34	40		
5	W 60	WL					34	40		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
6	W 90	WL					17	18		
7	W 120	WL					34	40		
8	W 150	WL					34	40		
9	W 180	WL					17	22		
10	W 210	WL					34	40		
11	W 240	WL					34	40		
12	W 270	WL					17	18		
13	W 300	WL					34	40		
14	W 330	WL					34	40		
15	Wi 0	WL					17	22		
16	Wi 30	WL					34	40		
17	Wi 60	WL					34	40		
18	Wi 90	WL					17	18		
19	Wi 120	WL					34	40		
20	Wi 150	WL					34	40		
21	Wi 180	WL					17	22		
22	Wi 210	WL					34	40		
23	Wi 240	WL					34	40		
24	Wi 270	WL					17	18		
25	Wi 300	WL					34	40		
26	Wi 330	WL					34	40		
27	Ws 0	WL					17	22		
28	Ws 30	WL					34	40		
29	Ws 60	WL					34	40		
30	Ws 90	WL					17	18		
31	Ws 120	WL					34	40		
32	Ws 150	WL					34	40		
33	Ws 180	WL					17	22		
34	Ws 210	WL					34	40		
35	Ws 240	WL					34	40		
36	Ws 270	WL					17	18		
37	Ws 300	WL					34	40		
38	Ws 330	WL					34	40		
39	Ev -Y	ELY						10		
40	Eh -Z	ELZ						10		
41	Eh -X	ELX						10		
42	Lv (1)	LL					1			
43	Lv (2)	LL					1			
44	Lv (3)	LL				1				
45	Lm (1)	LL				1				
46	Lm (2)	LL				1				
47	Lm (3)	LL				1				
48	Lm (4)	LL				1				

Load Combinations

	Description	Solve	P...	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
1	1.4D	Yes	Y		DL	1.4																		
2	1.2D + 1.0W [0Á]	Yes	Y		DL	1.2	3	1																
3	1.2D + 1.0W [30Á]	Yes	Y		DL	1.2	4	1																
4	1.2D + 1.0W [60Á]	Yes	Y		DL	1.2	5	1																

Load Combinations (Continued)

	Description	Solve	P...	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
5	1.2D + 1.0W [90Á]	Yes	Y		DL	1.2	6	1																		
6	1.2D + 1.0W [120Á]	Yes	Y		DL	1.2	7	1																		
7	1.2D + 1.0W [150Á]	Yes	Y		DL	1.2	8	1																		
8	1.2D + 1.0W [180Á]	Yes	Y		DL	1.2	9	1																		
9	1.2D + 1.0W [210Á]	Yes	Y		DL	1.2	10	1																		
10	1.2D + 1.0W [240Á]	Yes	Y		DL	1.2	11	1																		
11	1.2D + 1.0W [270Á]	Yes	Y		DL	1.2	12	1																		
12	1.2D + 1.0W [300Á]	Yes	Y		DL	1.2	13	1																		
13	1.2D + 1.0W [330Á]	Yes	Y		DL	1.2	14	1																		
14	0.9D + 1.0W [0Á]	Yes	Y		DL	.9	3	1																		
15	0.9D + 1.0W [30Á]	Yes	Y		DL	.9	4	1																		
16	0.9D + 1.0W [60Á]	Yes	Y		DL	.9	5	1																		
17	0.9D + 1.0W [90Á]	Yes	Y		DL	.9	6	1																		
18	0.9D + 1.0W [120Á]	Yes	Y		DL	.9	7	1																		
19	0.9D + 1.0W [150Á]	Yes	Y		DL	.9	8	1																		
20	0.9D + 1.0W [180Á]	Yes	Y		DL	.9	9	1																		
21	0.9D + 1.0W [210Á]	Yes	Y		DL	.9	10	1																		
22	0.9D + 1.0W [240Á]	Yes	Y		DL	.9	11	1																		
23	0.9D + 1.0W [270Á]	Yes	Y		DL	.9	12	1																		
24	0.9D + 1.0W [300Á]	Yes	Y		DL	.9	13	1																		
25	0.9D + 1.0W [330Á]	Yes	Y		DL	.9	14	1																		
26	1.2D + 1.0Di + 1.0...	Yes	Y		DL	1.2	IL	1	15	1																
27	1.2D + 1.0Di + 1.0...	Yes	Y		DL	1.2	IL	1	16	1																
28	1.2D + 1.0Di + 1.0...	Yes	Y		DL	1.2	IL	1	17	1																
29	1.2D + 1.0Di + 1.0...	Yes	Y		DL	1.2	IL	1	18	1																
30	1.2D + 1.0Di + 1.0...	Yes	Y		DL	1.2	IL	1	19	1																
31	1.2D + 1.0Di + 1.0...	Yes	Y		DL	1.2	IL	1	20	1																
32	1.2D + 1.0Di + 1.0...	Yes	Y		DL	1.2	IL	1	21	1																
33	1.2D + 1.0Di + 1.0...	Yes	Y		DL	1.2	IL	1	22	1																
34	1.2D + 1.0Di + 1.0...	Yes	Y		DL	1.2	IL	1	23	1																
35	1.2D + 1.0Di + 1.0...	Yes	Y		DL	1.2	IL	1	24	1																
36	1.2D + 1.0Di + 1.0...	Yes	Y		DL	1.2	IL	1	25	1																
37	1.2D + 1.0Di + 1.0...	Yes	Y		DL	1.2	IL	1	26	1																
38	1.2D + 1.0Ev + 1.0E...	Yes	Y		DL	1.2	ELY	1	ELZ	1	ELX	.001														
39	1.2D + 1.0Ev + 1.0E...	Yes	Y		DL	1.2	ELY	1	ELZ	.866	ELX	.5														
40	1.2D + 1.0Ev + 1.0E...	Yes	Y		DL	1.2	ELY	1	ELZ	.5	ELX	.866														
41	1.2D + 1.0Ev + 1.0E...	Yes	Y		DL	1.2	ELY	1	ELZ	.001	ELX	1														
42	1.2D + 1.0Ev + 1.0E...	Yes	Y		DL	1.2	ELY	1	ELZ	-.5	ELX	.866														
43	1.2D + 1.0Ev + 1.0E...	Yes	Y		DL	1.2	ELY	1	ELZ	-.866	ELX	.5														
44	1.2D + 1.0Ev + 1.0E...	Yes	Y		DL	1.2	ELY	1	ELZ	-1	ELX	.001														
45	1.2D + 1.0Ev + 1.0E...	Yes	Y		DL	1.2	ELY	1	ELZ	-.866	ELX	-.5														
46	1.2D + 1.0Ev + 1.0E...	Yes	Y		DL	1.2	ELY	1	ELZ	-.5	ELX	-.866														
47	1.2D + 1.0Ev + 1.0E...	Yes	Y		DL	1.2	ELY	1	ELZ	.001	ELX	-1														
48	1.2D + 1.0Ev + 1.0E...	Yes	Y		DL	1.2	ELY	1	ELZ	.5	ELX	-.866														
49	1.2D + 1.0Ev + 1.0E...	Yes	Y		DL	1.2	ELY	1	ELZ	.866	ELX	-.5														
50	0.9D + 1.0Ev + 1.0E...	Yes	Y		DL	.9	ELY	1	ELZ	1	ELX	.001														
51	0.9D + 1.0Ev + 1.0E...	Yes	Y		DL	.9	ELY	1	ELZ	.866	ELX	.5														
52	0.9D + 1.0Ev + 1.0E...	Yes	Y		DL	.9	ELY	1	ELZ	.5	ELX	.866														
53	0.9D + 1.0Ev + 1.0E...	Yes	Y		DL	.9	ELY	1	ELZ	.001	ELX	1														
54	0.9D + 1.0Ev + 1.0E...	Yes	Y		DL	.9	ELY	1	ELZ	-.5	ELX	.866														
55	0.9D + 1.0Ev + 1.0E...	Yes	Y		DL	.9	ELY	1	ELZ	-.866	ELX	.5														
56	0.9D + 1.0Ev + 1.0E...	Yes	Y		DL	.9	ELY	1	ELZ	-1	ELX	.001														

Load Combinations (Continued)

	Description	Solve	P...	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
57	0.9D + 1.0Ev + 1.0E...	Yes	Y		DL	.9	ELY	1	ELZ	-.866	ELX	-.5														
58	0.9D + 1.0Ev + 1.0E...	Yes	Y		DL	.9	ELY	1	ELZ	-.5	ELX	-.866														
59	0.9D + 1.0Ev + 1.0E...	Yes	Y		DL	.9	ELY	1	ELZ	.001	ELX	-1														
60	0.9D + 1.0Ev + 1.0E...	Yes	Y		DL	.9	ELY	1	ELZ	.5	ELX	-.866														
61	0.9D + 1.0Ev + 1.0E...	Yes	Y		DL	.9	ELY	1	ELZ	.866	ELX	-.5														
62	1.2D + 1.5Lv(1)	Yes	Y		DL	1.2	42	1.5																		
63	1.2D + 1.5Lv(2)	Yes	Y		DL	1.2	43	1.5																		
64	1.2D + 1.5Lv(3)	Yes	Y		DL	1.2	44	1.5																		
65	1.2D + 1.5Lm(1) + 1...	Yes	Y		DL	1.2	45	1.5	27	1																
66	1.2D + 1.5Lm(1) + 1...	Yes	Y		DL	1.2	45	1.5	28	1																
67	1.2D + 1.5Lm(1) + 1...	Yes	Y		DL	1.2	45	1.5	29	1																
68	1.2D + 1.5Lm(1) + 1...	Yes	Y		DL	1.2	45	1.5	30	1																
69	1.2D + 1.5Lm(1) + 1...	Yes	Y		DL	1.2	45	1.5	31	1																
70	1.2D + 1.5Lm(1) + 1...	Yes	Y		DL	1.2	45	1.5	32	1																
71	1.2D + 1.5Lm(1) + 1...	Yes	Y		DL	1.2	45	1.5	33	1																
72	1.2D + 1.5Lm(1) + 1...	Yes	Y		DL	1.2	45	1.5	34	1																
73	1.2D + 1.5Lm(1) + 1...	Yes	Y		DL	1.2	45	1.5	35	1																
74	1.2D + 1.5Lm(1) + 1...	Yes	Y		DL	1.2	45	1.5	36	1																
75	1.2D + 1.5Lm(1) + 1...	Yes	Y		DL	1.2	45	1.5	37	1																
76	1.2D + 1.5Lm(1) + 1...	Yes	Y		DL	1.2	45	1.5	38	1																
77	1.2D + 1.5Lm(2) + 1...	Yes	Y		DL	1.2	46	1.5	27	1																
78	1.2D + 1.5Lm(2) + 1...	Yes	Y		DL	1.2	46	1.5	28	1																
79	1.2D + 1.5Lm(2) + 1...	Yes	Y		DL	1.2	46	1.5	29	1																
80	1.2D + 1.5Lm(2) + 1...	Yes	Y		DL	1.2	46	1.5	30	1																
81	1.2D + 1.5Lm(2) + 1...	Yes	Y		DL	1.2	46	1.5	31	1																
82	1.2D + 1.5Lm(2) + 1...	Yes	Y		DL	1.2	46	1.5	32	1																
83	1.2D + 1.5Lm(2) + 1...	Yes	Y		DL	1.2	46	1.5	33	1																
84	1.2D + 1.5Lm(2) + 1...	Yes	Y		DL	1.2	46	1.5	34	1																
85	1.2D + 1.5Lm(2) + 1...	Yes	Y		DL	1.2	46	1.5	35	1																
86	1.2D + 1.5Lm(2) + 1...	Yes	Y		DL	1.2	46	1.5	36	1																
87	1.2D + 1.5Lm(2) + 1...	Yes	Y		DL	1.2	46	1.5	37	1																
88	1.2D + 1.5Lm(2) + 1...	Yes	Y		DL	1.2	46	1.5	38	1																
89	1.2D + 1.5Lm(3) + 1...	Yes	Y		DL	1.2	47	1.5	27	1																
90	1.2D + 1.5Lm(3) + 1...	Yes	Y		DL	1.2	47	1.5	28	1																
91	1.2D + 1.5Lm(3) + 1...	Yes	Y		DL	1.2	47	1.5	29	1																
92	1.2D + 1.5Lm(3) + 1...	Yes	Y		DL	1.2	47	1.5	30	1																
93	1.2D + 1.5Lm(3) + 1...	Yes	Y		DL	1.2	47	1.5	31	1																
94	1.2D + 1.5Lm(3) + 1...	Yes	Y		DL	1.2	47	1.5	32	1																
95	1.2D + 1.5Lm(3) + 1...	Yes	Y		DL	1.2	47	1.5	33	1																
96	1.2D + 1.5Lm(3) + 1...	Yes	Y		DL	1.2	47	1.5	34	1																
97	1.2D + 1.5Lm(3) + 1...	Yes	Y		DL	1.2	47	1.5	35	1																
98	1.2D + 1.5Lm(3) + 1...	Yes	Y		DL	1.2	47	1.5	36	1																
99	1.2D + 1.5Lm(3) + 1...	Yes	Y		DL	1.2	47	1.5	37	1																
100	1.2D + 1.5Lm(3) + 1...	Yes	Y		DL	1.2	47	1.5	38	1																
101	1.2D + 1.5Lm(4) + 1...	Yes	Y		DL	1.2	48	1.5	27	1																
102	1.2D + 1.5Lm(4) + 1...	Yes	Y		DL	1.2	48	1.5	28	1																
103	1.2D + 1.5Lm(4) + 1...	Yes	Y		DL	1.2	48	1.5	29	1																
104	1.2D + 1.5Lm(4) + 1...	Yes	Y		DL	1.2	48	1.5	30	1																
105	1.2D + 1.5Lm(4) + 1...	Yes	Y		DL	1.2	48	1.5	31	1																
106	1.2D + 1.5Lm(4) + 1...	Yes	Y		DL	1.2	48	1.5	32	1																
107	1.2D + 1.5Lm(4) + 1...	Yes	Y		DL	1.2	48	1.5	33	1																
108	1.2D + 1.5Lm(4) + 1...	Yes	Y		DL	1.2	48	1.5	34	1																

Load Combinations (Continued)

	Description	Solve	P...	S...	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac...
109	1.2D + 1.5Lm(4) + 1...	Yes	Y		DL	1.2	48	1.5	35	1																
110	1.2D + 1.5Lm(4) + 1...	Yes	Y		DL	1.2	48	1.5	36	1																
111	1.2D + 1.5Lm(4) + 1...	Yes	Y		DL	1.2	48	1.5	37	1																
112	1.2D + 1.5Lm(4) + 1...	Yes	Y		DL	1.2	48	1.5	38	1																

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	N001	max	1804.532	103	1698.714	26	729.83	14	-61.216	20	0	112	535.063	88
2		min	-1438.517	73	131.614	20	-845.409	8	-431.34	26	0	1	-541.679	105
3	N005	max	1367.365	69	724.538	8	206.565	101	75.842	14	0	112	536.683	78
4		min	-1733.243	111	-269.513	14	-38.517	20	-198.819	8	0	1	-7.797	111
5	N039	max	449.743	8	26.5	32	536.763	14	0	112	0	112	0	112
6		min	-435.308	14	8.993	15	-554.462	8	0	1	0	1	0	1
7	N040	max	418.068	14	26.435	32	516.103	14	0	112	0	112	0	112
8		min	-432.268	8	9.008	25	-533.494	8	0	1	0	1	0	1
9	Totals:	max	1619.185	4	2175.539	37	1949.567	14						
10		min	-1619.185	22	808.695	14	-1949.567	8						

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

	Member	Shape	Code Check	Loc[in]	LC	Shear Check	Loc[in]	Dir	LC	phi*Pnc [lb]	phi*Pnt [...	phi*Mn y-...	phi*Mn z.....		Eqn
1	H002	L3x3x4	.496	75	88	.155	75	y	8	4948.021	46656	1688.138	2800.472	1...	H2-1
2	H004	L3x3x4	.853	75	109	.127	145.3...	y	109	4948.021	46656	1688.138	2810.261	1...	H2-1
3	D005	L2x2x4	.098	34.889	66	.013	0	y	69	6559.851	30585.6	690.934	1357.342	1...	H2-1
4	D006	L2x2x4	.103	34.889	112	.029	69.778	z	108	6559.851	30585.6	690.934	1357.342	1...	H2-1
5	MP009	PIPE_2.0	.207	50.75	8	.078	58.625		70	4552.084	32130	1871.625	1871.625	3...	H1-1b
6	MP012	PIPE_2.0	.186	44.625	88	.081	45.5		70	4552.084	32130	1871.625	1871.625	1...	H1-1b*
7	MP015	PIPE_2.0	.254	44.625	7	.071	45.5		7	4552.084	32130	1871.625	1871.625	1...	H1-1b
8	MP018	PIPE_2.0	.330	74.375	112	.157	58.625		108	4552.084	32130	1871.625	1871.625	1...	H1-1a
9	TB019	PIPE_2.0	.033	35.146	3	.003	70.292		34	21293.227	32130	1871.625	1871.625	1...	H1-1b
10	TB020	PIPE_2.0	.033	35.146	13	.003	0		36	21293.227	32130	1871.625	1871.625	1...	H1-1b

EXHIBIT 3

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

April 1, 2019

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

RE: **EM-AT&T-014-190211** – AT&T Mobility, LLC notice of intent to modify an existing telecommunications facility located at 4 Beaver Road, Branford, Connecticut.

Dear Ms. Cottone:

The Connecticut Siting Council (Council) hereby acknowledges your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies with the following conditions:

1. Prior to AT&T's antenna installation, the antenna mount modifications shall be installed in accordance with the Post-Modification Mount Analysis Report prepared by Infinigy, dated January 31, 2019, and stamped and signed by Joseph R. Johnston;

2. Within 45 days following completion of equipment installation, AT&T shall provide documentation that its installation complied with the recommendations of the Post-Modification Mount Analysis Report;

3. Any deviation from the proposed modification as specified in this notice and supporting materials with the Council shall render this acknowledgement invalid;

4. Any material changes to this modification as proposed shall require the filing of a new notice with the Council;

5. Within 45 days after completion of construction, the Council shall be notified in writing that construction has been completed;

6. Any nonfunctioning antenna and associated antenna mounting equipment on this facility owned and operated by AT&T shall be removed within 60 days of the date the antenna ceased to function;

7. The validity of this action shall expire one year from the date of this letter; and

8. The applicant may file a request for an extension of time beyond the one year deadline provided that such request is submitted to the Council not less than 60 days prior to the expiration.

The proposed modifications including the placement of all necessary equipment and shelters within the tower compound are to be implemented as specified here and in your notice dated January 31, 2019, and additional information received February 18, 2019 and March 21, 2019. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site by any

dimension, increase noise levels at the tower site boundary by six decibels or more, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standards adopted by the Federal Communications Commission pursuant to Section 704 of the Telecommunications Act of 1996 and by the state Department of Energy and Environmental Protection pursuant to Connecticut General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below state and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Please be advised that the validity of this action shall expire one year from the date of this letter. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Thank you for your attention and cooperation.

Sincerely,

Melanie A. Bachman
Executive Director

MAB/IN/emr

c: The Honorable James B. Cosgrove, First Selectman, Town of Branford
Harry Smith, Town Planner, Town of Branford
American Tower Corporation, Tower Operator
Joyce Tipping (c/o Trustees), Property Owner

Permit # B-19-00517
M/B/L B07-000-006-00043
Date Issued 05/20/2019

Town of Branford
BUILDING PERMIT

1019 MAIN STREET . PO BOX 150 . BRANFORD CT . 06045 . PHONE 203 315-0674 . FAX 203 315-2188

Owner	TIPPING JOYCE N ET ALS (CO TRUSTEES) C/O JOYCE TIPPING	**Phone:**
Address	36 GOODSELL POINT RD BRANFORD, CT 06405	
Contractor	Ironbo Inc 197 Firenze Street Northvale, NJ 07647	
Phone	(860) 670-9068	
Applicant	Ironbo Inc	**Phone:**(860) 670-9068
Address	197 Firenze Street	
Tax ID No.	601	
Type/Group:	E170 TELECOMMUNICATIONS- ATTENNA	
Location:	4-8 BEAVER RD	
Approx Total Sq. Ft		

The undersigned hereby applies for permission to construct the Project in compliance with the laws and building codes and regulations of the State of Connecticut, and the Town of Branford as set forth in the accompanying drawings and specifications in so far as the same do not conflict with the aforesaid State and Town laws and building regulations.

Additional Conditions:
Work on existing cell tower, removing 3 existing antennas, removing 6 existing remote radio units, add 6 new antennas, add 6 new remote radio units and add 1 dc squid.

Estimated Cost $ 25,000.00

Payments

05/15/2019	B-Plans Scan/Microfilm (Documents)	$2.00
05/15/2019	B-State Education	$6.50
05/15/2019	B-Electrical	$306.00
05/15/2019	B-Plans Scan/Microfilm (Drawings)	$22.00
	TOTAL	$336.50

Signature of Applicant

APPROVED

Anthony B Cinicola
Building Official

Name(print)

NOTE: All inspections must be scheduled with Building Department personnel. No inspection requests will be accepted by voice mail.

Permit numbers will be required when requesting any inspections either in person or by telephone with Building Department personnel.

EXHIBIT 4

4-8 BEAVER RD

Location	4-8 BEAVER RD	**Mblu**	B07/000 006/ 00043/ /
Acct#	008882	**Owner**	TIPPING JOYCE N ET ALS (CO TRUSTEES)
Assessment	$537,570	**Appraisal**	$767,580
PID	601	**Building Count**	6

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2019	$299,970	$467,610	$767,580
Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2019	$210,210	$327,360	$537,570

Owner of Record

Owner	TIPPING JOYCE N ET ALS (CO TRUSTEES)	**Sale Price**	$0
Co-Owner	C/O JOYCE TIPPING	**Certificate**	
Address	36 GOODSELL POINT RD BRANFORD, CT 06405	**Book & Page**	1149/0822
		Sale Date	12/26/2013
		Instrument	25

Ownership History

Ownership History					
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Instrument**	**Sale Date**
TIPPING JOYCE N ET ALS (CO TRUSTEES)	$0		1149/0822	25	12/26/2013
TIPPING JOYCE N ET ALS (CO TRSTES)	$0		1127/0558	25	03/05/2013
TIPPING JOYCE N ET ALS (CO TRSTES)	$0		1012/0883	29	05/22/2008
TIPPING LEROY G REV TRST + VERA	$0		0554/0406		08/10/1993
TIPPING LEROY G + VERA R	$0		0147/0186		

Building Information

Building 1 : Section 1

Building Photo

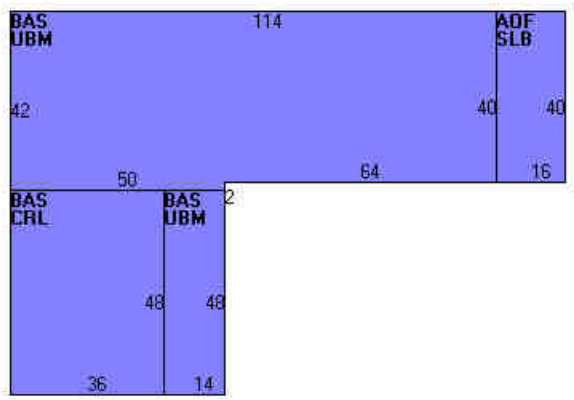
Year Built: 1950
Living Area: 7,700
Replacement Cost: $380,493
Building Percent Good: 30
Replacement Cost Less Depreciation: $114,100

Building Attributes	
Field	**Description**
STYLE	Lt. Industrial
MODEL	Ind/Comm
Grade	C -
Stories:	1
Occupancy	4
Exterior Wall 1	Concr/Cinder
Exterior Wall 2	Vinyl Siding
Roof Structure	Flat
Roof Cover	T&G/Rubber
Interior Wall 1	Minim/Masonry
Interior Wall 2	
Interior Floor 1	Minimum/Plywd
Interior Floor 2	Concr-Finished
Heating Fuel	Gas
Heating Type	Forced Air-Duc
AC Type	None
Bldg Use	MFRG MDL96
Total Rooms	
Total Bedrms	00
Total Baths	0
1st Floor Use:	0400
Heat/AC	NONE
Frame Type	MASONRY
Baths/Plumbing	AVERAGE
Ceiling/Wall	CEILING ONLY
Rooms/Prtns	AVERAGE
Wall Height	14
% Comn Wall	0

Building Photo

(http://images.vgsi.com/photos/BranfordCTPhotos//\00\02\94/33.jpg)

Building Layout



(http://images.vgsi.com/photos/BranfordCTPhotos//Sketches/601_601.jpg)

Building Sub-Areas (sq ft)			Legend
Code	**Description**	**Gross Area**	**Living Area**
BAS	First Floor	7,060	7,060
AOF	Office	640	640
CRL	Crawl Space	1,728	0
SLB	Slab	640	0
UBM	Basement, Unfinished	5,332	0
		15,400	7,700

Building 2 : Section 1

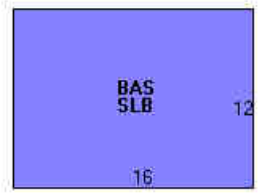
Year Built: 1997
Living Area: 192
Replacement Cost: $13,925
Building Percent Good: 83
Replacement Cost Less Depreciation: $11,600

Building Attributes : Bldg 2 of 6	
Field	**Description**
STYLE	Warehouse
MODEL	Ind/Comm
Grade	B
Stories:	1
Occupancy	1
Exterior Wall 1	Pre-cast Concr
Exterior Wall 2	
Roof Structure	Gable/Hip
Roof Cover	Concrete Tile
Interior Wall 1	Minim/Masonry
Interior Wall 2	
Interior Floor 1	Concr-Finished
Interior Floor 2	
Heating Fuel	Electric
Heating Type	Hot Air-no Duc
AC Type	Heat Pump
Bldg Use	MFRG MDL96
Total Rooms	
Total Bedrms	00
Total Baths	0
1st Floor Use:	0400
Heat/AC	HEAT/AC PKGS
Frame Type	LT STEEL
Baths/Plumbing	NONE
Ceiling/Wall	CEILING ONLY
Rooms/Prtns	AVERAGE
Wall Height	10
% Comn Wall	0

Building Photo

(http://images.vgsi.com/photos/BranfordCTPhotos/\00\01\58/46.jpg)

Building Layout



(http://images.vgsi.com/photos/BranfordCTPhotos//Sketches/601_13622.jp

Building Sub-Areas (sq ft)			Legend
Code	**Description**	**Gross Area**	**Living Area**
BAS	First Floor	192	192
SLB	Slab	192	0
		384	192

Building 3 : Section 1

Year Built: 1997
Living Area: 112
Replacement Cost: $7,560
Building Percent Good: 83
Replacement Cost Less Depreciation: $6,300

Building Attributes : Bldg 3 of 6	
Field	**Description**
STYLE	Warehouse
MODEL	Ind/Comm

Grade	B
Stories:	1
Occupancy	1
Exterior Wall 1	Precast Panel
Exterior Wall 2	
Roof Structure	Gable/Hip
Roof Cover	T&G/Rubber
Interior Wall 1	Minim/Masonry
Interior Wall 2	
Interior Floor 1	Concr-Finished
Interior Floor 2	
Heating Fuel	Electric
Heating Type	Hot Air-no Duc
AC Type	Heat Pump
Bldg Use	MFRG MDL96
Total Rooms	
Total Bedrms	00
Total Baths	0
1st Floor Use:	0400
Heat/AC	HEAT/AC PKGS
Frame Type	LT STEEL
Baths/Plumbing	NONE
Ceiling/Wall	CEILING ONLY
Rooms/Prtns	AVERAGE
Wall Height	9
% Comn Wall	0

Building Photo

(http://images.vgsi.com/photos/BranfordCTPhotos//\00\01\58/47.jpg)

Building Layout

(http://images.vgsi.com/photos/BranfordCTPhotos//Sketches/601_13623.jp

Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
BAS	First Floor	112	112
SLB	Slab	112	0
		224	112

Building 4 : Section 1

Year Built: 1974
Living Area: 552
Replacement Cost: $24,250
Building Percent Good: 40
Replacement Cost Less Depreciation: $9,700

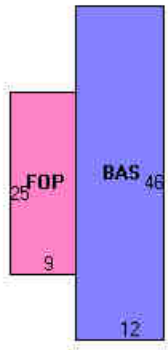
Building Attributes : Bldg 4 of 6	
Field	Description
Style	Mobile Home
Model	Residential
Grade:	C

Stories:	1 Story
Occupancy	1
Exterior Wall 1	Pre-finsh Metl
Exterior Wall 2	
Roof Structure:	Flat
Roof Cover	Metal/Tin
Interior Wall 1	Drywall
Interior Wall 2	Plywood Panel
Interior Flr 1	Carpet
Interior Flr 2	
Heat Fuel	Oil
Heat Type:	Forced Air-Duc
AC Type:	None
Total Bedrooms:	1 Bedroom
Total Bthrms:	1
Total Half Baths:	0
Total Xtra Fixtrs:	
Total Rooms:	3 Rooms
Bath Style:	Average
Kitchen Style:	Average
Cottage Cmplx	
Cottage Adj	

Building Photo

(http://images.vgsi.com/photos/BranfordCTPhotos//\00\02\94/34.jpg)

Building Layout



(http://images.vgsi.com/photos/BranfordCTPhotos//Sketches/601_13624.jp

Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
BAS	First Floor	552	552
FOP	Porch, Open	225	0
		777	552

Building 5 : Section 1

Year Built: 1960
Living Area: 1,124
Replacement Cost: $141,094
Building Percent Good: 58
Replacement Cost Less Depreciation: $81,800

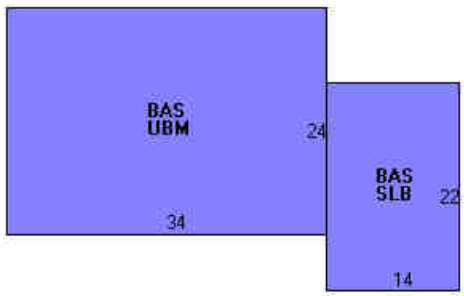
Building Attributes : Bldg 5 of 6	
Field	Description
Style	Ranch
Model	Residential
Grade:	C

Stories:	1 Story
Occupancy	1
Exterior Wall 1	Vinyl Siding
Exterior Wall 2	
Roof Structure:	Gable/Hip
Roof Cover	Asphalt
Interior Wall 1	Drywall
Interior Wall 2	
Interior Flr 1	Carpet
Interior Flr 2	
Heat Fuel	Gas
Heat Type:	Hot Water
AC Type:	None
Total Bedrooms:	3 Bedrooms
Total Bthrms:	1
Total Half Baths:	0
Total Xtra Fixtrs:	
Total Rooms:	6 Rooms
Bath Style:	Average
Kitchen Style:	Average
Cottage Cmplx	
Cottage Adj	

Building Photo

(http://images.vgsi.com/photos/BranfordCTPhotos/\00\02\94/35.jpg)

Building Layout



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Building Sub-Areas (sq ft)			Legend
Code	**Description**	**Gross Area**	**Living Area**
BAS	First Floor	1,124	1,124
SLB	Slab	308	0
UBM	Basement, Unfinished	816	0
		2,248	1,124

Building 6 : Section 1

Year Built: 1953
Living Area: 576
Replacement Cost: $96,765
Building Percent Good: 45
Replacement Cost Less Depreciation: $43,500

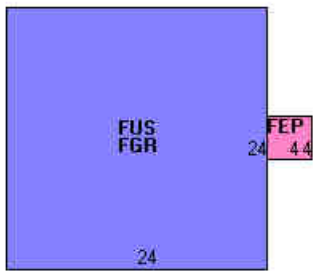
Building Attributes : Bldg 6 of 6	
Field	**Description**
Style	Old Style
Model	Residential

Grade:	C -
Stories:	2 Stories
Occupancy	1
Exterior Wall 1	Pre-Fab Wood
Exterior Wall 2	
Roof Structure:	Gable/Hip
Roof Cover	Asphalt
Interior Wall 1	Drywall
Interior Wall 2	
Interior Flr 1	Carpet
Interior Flr 2	
Heat Fuel	Electric
Heat Type:	Electr Basebrd
AC Type:	None
Total Bedrooms:	1 Bedroom
Total Bthrms:	1
Total Half Baths:	0
Total Xtra Fixtrs:	
Total Rooms:	3 Rooms
Bath Style:	Average
Kitchen Style:	Average
Cottage Cmplx	
Cottage Adj	

Building Photo

(http://images.vgsi.com/photos/BranfordCTPhotos//\00\02\94/36.jpg)

Building Layout



(http://images.vgsi.com/photos/BranfordCTPhotos//Sketches/601_13626.jp

Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
FUS	Upper Story, Finished	576	576
FEP	Porch, Enclosed	16	0
FGR	Garage	576	0
		1,168	576

Extra Features

Extra Features	Legend
No Data for Extra Features	

Land

Land Use

Use Code 0400

Land Line Valuation

Size (Acres) 1.28

Description	MFRG MDL96	**Frontage**	
Zone	BL	**Depth**	
Neighborhood	350	**Assessed Value**	$327,360
Alt Land Appr	No	**Appraised Value**	$467,610
Category			

Outbuildings

Outbuildings						Legend
Code	**Description**	**Sub Code**	**Sub Description**	**Size**	**Value**	**Bldg #**
PAV1	PAVING-ASPHALT			8000 S.F.	$4,000	1
PAV2	PAVING-CONC			225 S.F.	$400	1
SHD1	SHED FRAME			80 S.F.	$500	1
FN4	FENCE-8' CHAIN			140 L.F.	$800	1

Valuation History

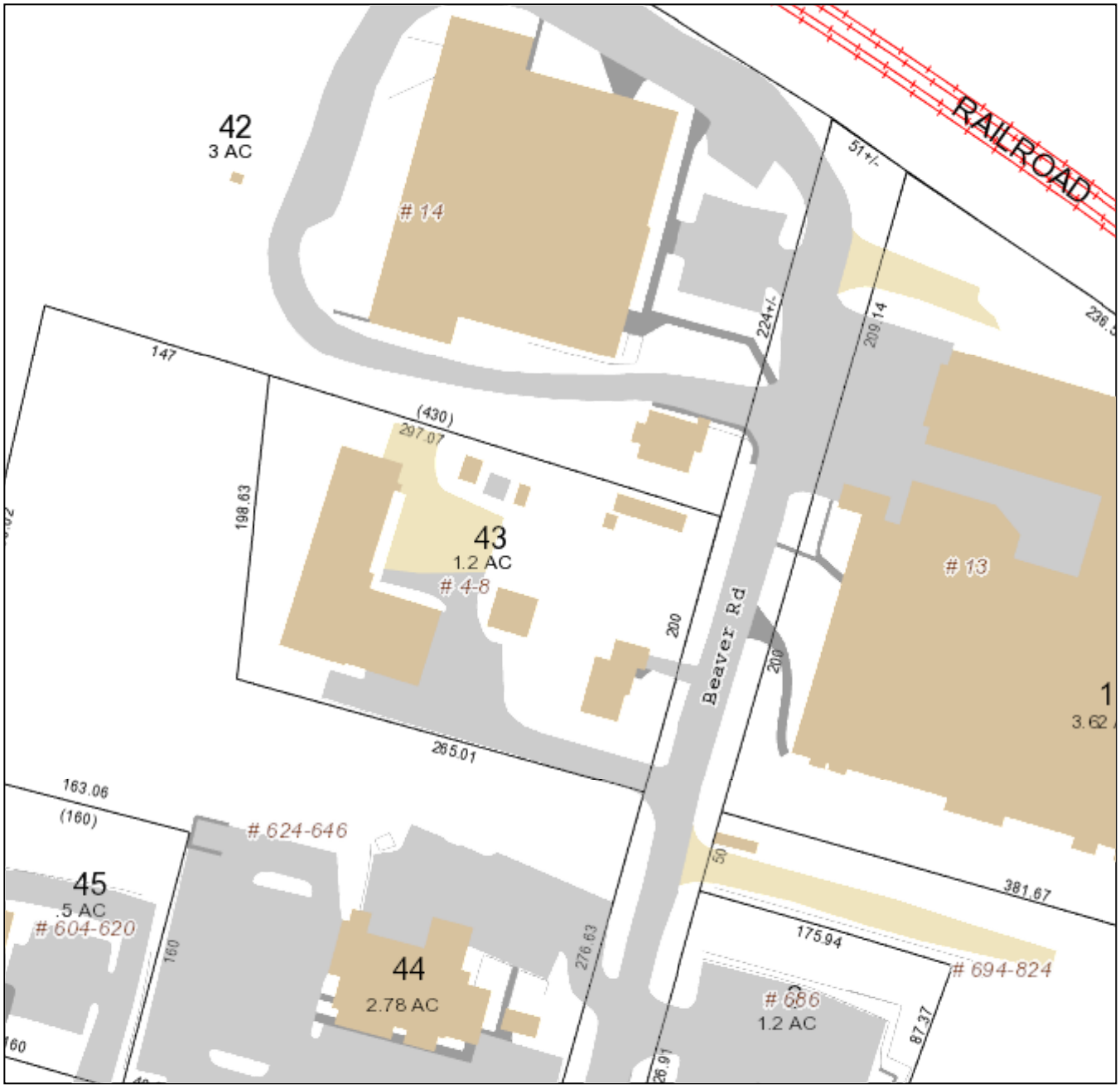
Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2020	$299,970	$467,610	$767,580
2019	$272,700	$425,100	$697,800
2018	$321,640	$453,970	$775,610

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2020	$210,210	$327,360	$537,570
2019	$191,100	$297,600	$488,700
2018	$225,390	$317,790	$543,180

Town of Branford

Geographic Information System (GIS)

Date Printed: 6/10/2021



MAP DISCLAIMER - NOTICE OF LIABILITY

This map is for assessment purposes only. It is not for legal description or conveyances. All information is subject to verification by any user. The Town of Branford and its mapping contractors assume no legal responsibility for the information contained herein.

0 100 Feet

N W E S

EXHIBIT 5

NIER Study Report

SITE NAME:

302536 Cherry Hill-branford

LOCATION:

Branford, Connecticut

COMPANY:

American Tower
Woburn, Massachusetts

July 4th, 2021

Contents

Disclaimer Notice

This work is based upon our best interpretation of available information. However, these data and their interpretation are constantly changing. Therefore, we do not warrant that any undertaking based on this report will be successful, or that others will not require further research or actions in support of this proposal or future undertaking. In the event of errors, our liability is strictly limited to replacement of this document with a corrected one. Liability for consequential damages is specifically disclaimed. Any use of this document constitutes an agreement to hold Tower Engineering Professionals and its employees harmless and indemnify it for all liability, claims, demands, and litigation expenses and attorney's fees arising out of such use.

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NIER STUDY REPORT

302536 Cherry Hill-branford

Branford, CT

INTRODUCTION

Tower Engineering Professionals (TEP) has been retained by American Tower (ATC) of Woburn, Massachusetts to evaluate the RF emissions of an existing tower at this location.

SITE AND FACILITY CONSIDERATIONS

Site Cherry Hill-branford is located at 4 Beaver Rd in Branford, CT at coordinates 41.280150, -72.841733. The support structure is a 126' self-support tower. The installation consists of two antenna levels with radiation centers of 130, & 113' above ground level. All antennae will have a radiation center as described above. All data used in this study was provided by one or more of the following sources:

1. ATC furnished data
2. Compiled from carrier and manufacturer standard configurations
3. Empirical data collected by TEP

A topographic map of the study area is located in Appendix 1. A satellite view of the study area is located in Appendix 2.

POWER DENSITY CALCULATIONS

Graphs of the power density at different distances from the transmitter, compared to FCC MPE general population and occupational limits, may be seen in Appendix 3. These limits are based upon the Information Relating to MPE Standards found in Appendix 6. Study methodology may be seen in Appendix 7, which describes the Non-Ionizing Radiation Prediction Models. Approximate radiation patterns may be found in Appendix 4. A table of channels used at this site is located in Appendix 5. This site ***IS*** in compliance with FCC OET-65 MPE limits.

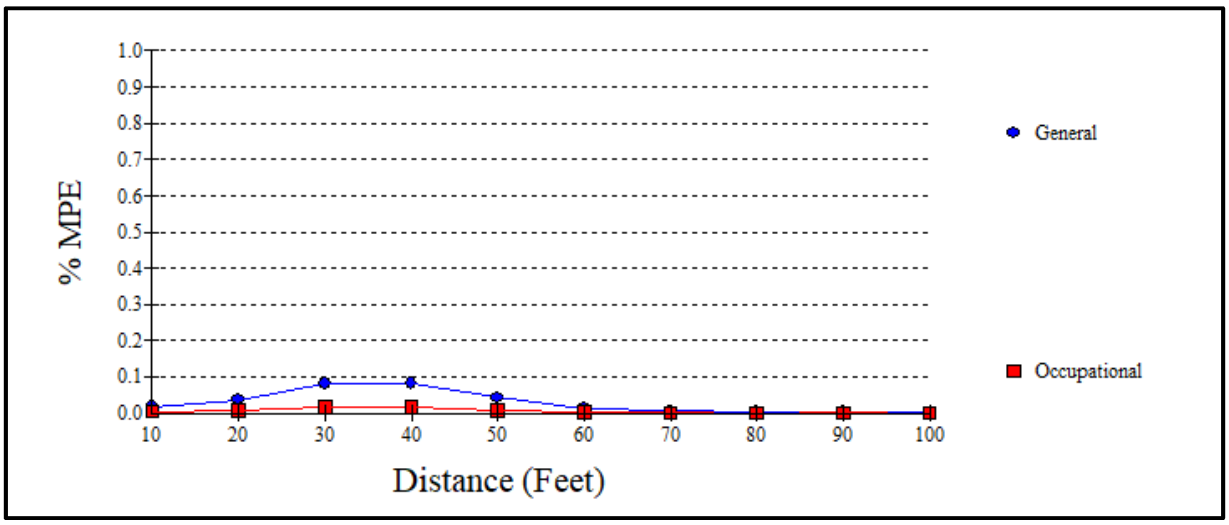
July 4th, 2021

Michael W. Hayden NCE CPBE CBNT AMD CPI
Director, RF Design & Services
Tower Engineering Professionals

APPENDIX 1 Topographic Map

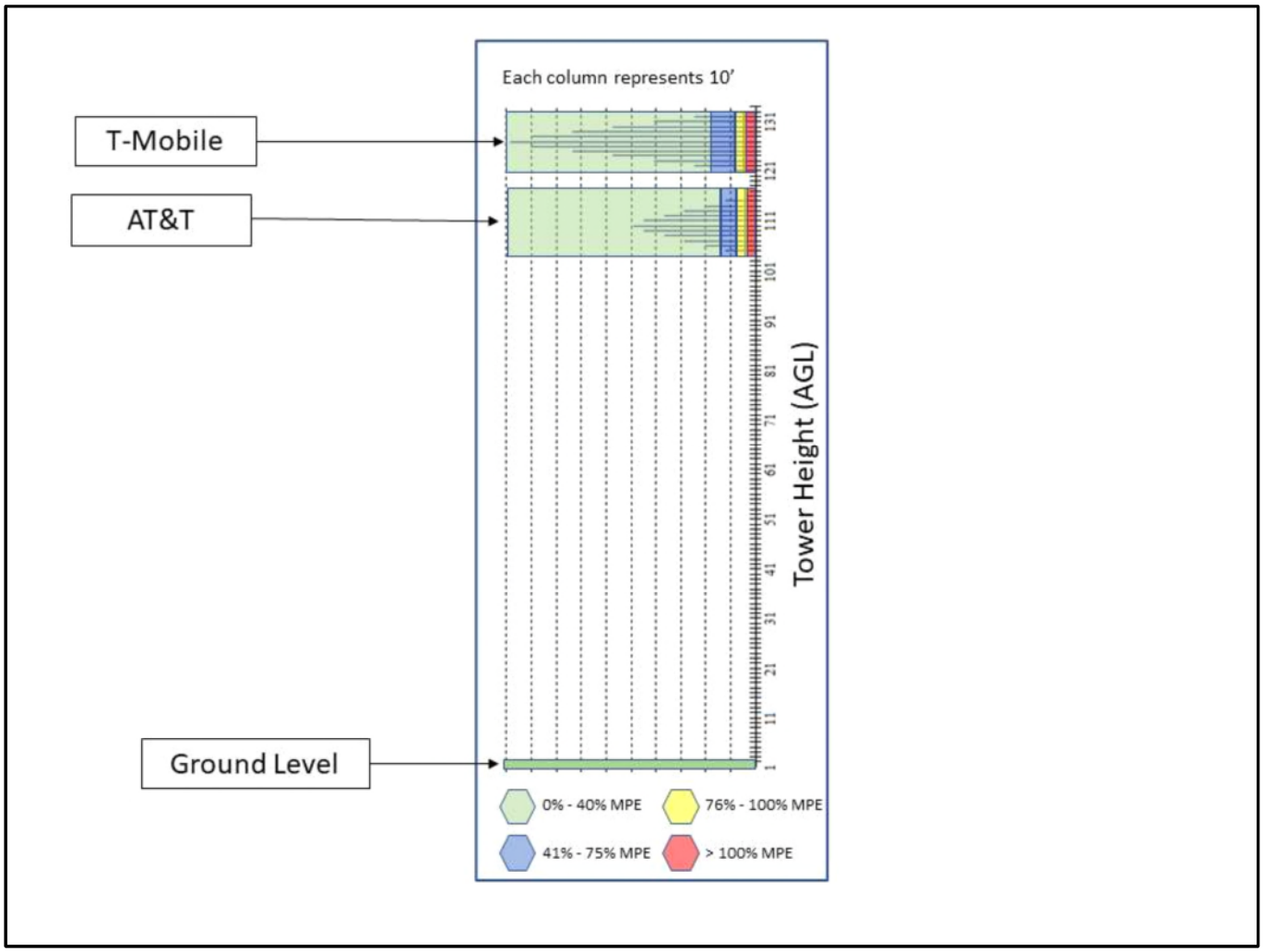
APPENDIX 2 Satellite Photo

APPENDIX 3 FCC OET-65 MPE Limit Study



Maximum Power Density (@40'):	0.0008 mW/cm²
General Population MPE (@40'):	0.0810%
Occupational MPE (@40'):	0.0162%

APPENDIX 4 Tower Radiation Patterns



APPENDIX 5 Channel Table

EUTRA OPERATING BAND	EARFCNDL	EARFCNUL	Download Channel Bandwidth (MHz)	Upload Channel Bandwidth (MHz)
PCS MHz A3+A4 (10Mhz) E-UTRA Band 2	650	18650	10	10
PCS MHz E (5Mhz) E-UTRA Band 2	975	18975	5	5
PCS MHz C5 (5Mhz) E-UTRA Band 2	1175	19175	5	5
850 MHz B-2586 (5MHz) E-UTRA Band 5	2586	20586	5	5
700 MHz OFFSET LOWER_B+C (10 MHz) E-UTRA BAND 17	5780	23780	10	10
WCS MHz A+B (10 MHz) E-UTRA Band 30	9820	27710	10	10
AWS-3 MHz J (10 MHz) E-UTRA Band 66	67086	132622	10	10
700 MHz UPPER D (10 MHz) E-UTRA BAND 14	5330	23330	10	10
850 MHz B-2586 (5MHz) E-UTRA Band 5 (UMTS)	4413	4188	5	5

APPENDIX 6 Information Pertaining to MPE Studies

In 1985, the FCC first adopted guidelines to be used for evaluating human exposure to RF emissions. The FCC revised and updated these guidelines on August 1, 1996, as a result of a rule-making proceeding initiated in 1993. The new guidelines incorporate limits for Maximum Permissible Exposure (MPE) in terms of electric and magnetic field strength and power density for transmitters operating at frequencies between 300 kHz and 100 GHz.

The FCC's MPE limits are based on exposure limits recommended by the National Council on Radiation Protection and Measurements (NCRP) and, over a wide range of frequencies, the exposure limits were developed by the Institute of Electrical and Electronics Engineers, Inc., (IEEE) and adopted by the American National Standards Institute (ANSI) to replace the 1982 ANSI guidelines. Limits for localized absorption are based on recommendations of both ANSI/IEEE and NCRP.

The FCC's limits, and the NCRP and ANSI/IEEE limits on which they are based, are derived from exposure criteria quantified in terms of specific absorption rate (SAR). The basis for these limits is a whole-body averaged SAR threshold level of 4 watts per kilogram (4 W/kg), as averaged over the entire mass of the body, above which expert organizations have determined that potentially hazardous exposures may occur. The MPE limits are derived by incorporating safety factors that lead, in some cases, to limits that are more conservative than the limits originally adopted by the FCC in 1985. Where more conservative limits exist, they do not arise from a fundamental change in the RF safety criteria for whole-body averaged SAR, but from a precautionary desire to protect subgroups of the general population who, potentially, may be more at risk.

The FCC exposure limits are also based on data showing that the human body absorbs RF energy at some frequencies more efficiently than at others. The most restrictive limits occur in the frequency range of 30-300 MHz where whole-body absorption of RF energy by human beings is most efficient. At other frequencies, whole-body absorption is less efficient, and consequently, the MPE limits are less restrictive.

MPE limits are defined in terms of power density (units of milliwatts per centimeter squared: mW/cm^2), electric field strength (units of volts per meter: V/m) and magnetic field strength (units of amperes per meter: A/m). The far-field of a transmitting antenna is where the electric field vector (E), the magnetic field vector (H), and the direction of propagation can be considered to be all mutually orthogonal ("plane-wave" conditions).

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

General population/uncontrolled exposure limits apply to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Therefore, members of the general public would always be considered under this category when exposure is not employment-related, for example, in the case of a telecommunications tower that exposes persons in a nearby residential area. Additional details can be found in FCC OET 65.

APPENDIX 7 MPE Standards Methodology

This study predicts RF field strength and power density levels that emanate from communications system antennae. It considers all transmitter power levels (less filter and line losses) delivered to each active transmitting antenna at the communications site. Calculations are performed to determine power density and MPE levels for each antenna as well as composite levels from all antennas. The calculated levels are based on where a human (Observer) would be standing at various locations at the site. The point of interest where the MPE level is predicted is based on the height of the Observer.

Compliance with the FCC limits on RF emissions are determined by spatially averaging a person's exposure over the projected area of an adult human body, that is approximately six-feet or two-meters, as defined in the ANSI/IEEE C95.1 standard. The MPE limits are specified as time-averaged exposure limits. This means that exposure is averaged over an identifiable time interval. It is 30 minutes for the general population/uncontrolled RF environment and 6 minutes for the occupational/controlled RF environment. However, in the case of the general public, time averaging should not be applied because the general public is typically not aware of RF exposure and they do not have control of their exposure time. Therefore, it should be assumed that any RF exposure to the general public will be continuous.

The FCC's limits for exposure at different frequencies are shown in the following Tables.

Limits for Occupational/Controlled Exposure				
Frequency Range (MHz)	**Electric Field Strength (E) (V/m)**	**Magnetic Field Strength (H) (A/m)**	**Power Density (S) (mW/cm^2)**	**Averaging Time $\|E\|^2$, $\|H\|^2$ or S (minutes)**
0.3 - 3.0	614	1.63	100*	6
3.0 - 30	1842/f	4.89/f	$900/F^2$	6
30 - 300	61.4	0.163	1.0	6
300 - 1500	--	--	f/300	6
1500 - 100,000	--	--	5	6

f = frequency

* = Plane-wave equivalent power density

Occupational/controlled limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure. Limits for occupational/controlled exposure also apply in situations when an individual is transient through a location where occupational/controlled limits apply provided he or she is made aware of the potential for exposure.

Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	**Electric Field Strength (E) (V/m)**	**Magnetic Field Strength (H) (A/m)**	**Power Density (S) (mW/cm^2)**	**Averaging Time $|E|^2$, $|H|^2$ or S (minutes)**
0.3 - 1.34	614	1.63	100*	30
1.34 - 30	824/f	2.19/f	$180/F^2$	30
30 -300	27.5	0.073	0.2	30
300 -1500	--	--	f/1500	30
1500 -100,000	--	--	1.0	30

f = frequency
* = Plane-wave equivalent power density

General population/uncontrolled exposures apply in situations in which the general public may be exposed or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.

It is important to understand that these limits apply cumulatively to all sources of RF emissions affecting a given area. For example, if several different communications system antennas occupy a shared facility such as a tower or rooftop, then the total exposure from all systems at the facility must be within compliance of the FCC guidelines.

The field strength emanating from an antenna can be estimated based on the characteristics of an antenna radiating in free space. There are basically two field areas associated with a radiating antenna. When close to the antenna, the region is known as the Near Field. Within this region, the characteristics of the RF fields are very complex and the wave front is extremely curved. As you move further from the antenna, the wave front has less curvature and becomes planar. The wave front still has a curvature but it appears to occupy a flat plane in space (plane-wave radiation). This region is known as the Far Field.

Two models are utilized to predict Near and Far field power densities. They are based on the formulae in FCC OET 65. As this study is concerned only with Near Field calculations, we will only describe the model used for this study. For additional details, refer to FCC OET Bulletin 65.

Cylindrical Model (Near Field Predictions)

Spatially averaged plane-wave equivalent power densities parallel to the antenna may be estimated by dividing the antenna input power by the surface area of an imaginary cylinder surrounding the length of the radiating antenna. While the actual power density will vary along the height of the antenna, the average value along its length will closely follow the relation given by the following equation:

$$S = P \div 2\pi RL$$

Where:
S = Power Density
P = Total Power into antenna
R = Distance from the antenna
L = Antenna aperture length

For directional-type antennas, power densities can be estimated by dividing the input power by that portion of a cylindrical surface area corresponding to the angular beam width of the antenna. For example, for the case of a 120-degree azimuthal beam width, the surface area should correspond to 1/3 that of a full cylinder. This would increase the power density near the antenna by a factor of three over that for a purely omni-directional antenna. Mathematically, this can be represented by the following formula:

$$S = (180 / \theta_{BW}) P \div \pi RL$$

Where:
S = Power Density
θ_{BW} = Beam width of antenna in degrees (3 dB half-power point)
P = Total Power into antenna
R = Distance from the antenna
L = Antenna aperture length

If the antenna is a 360-degree omni-directional antenna, this formula would be equivalent to the previous formula.

Spherical Model (Far Field Predictions)

Spatially averaged plane-wave power densities in the Far Field of an antenna may be estimated by considering the additional factors of antenna gain and reflective waves that would contribute to exposure.

The radiation pattern of an antenna has developed in the Far Field region and the power gain needs to be considered in exposure predictions. Also, if the vertical radiation pattern of the antenna is considered, the exposure predictions would most likely be reduced significantly at ground level, resulting in a more realistic estimate of the actual exposure levels.

Additionally, to model a truly "worst case" prediction of exposure levels at or near a surface, such as at ground-level or on a rooftop, reflection off the surface of antenna radiation power can be assumed, resulting in a potential four-fold increase in power density.

These additional factors are considered and the Far Field prediction model is determined by the following equation:

$$S = EIRP \times Rc \div 4\pi R^2$$

Where:
S = Power Density
EIRP = Effective Radiated Power from antenna
Rc = Reflection Coefficient (2.56)
R = Distance from the antenna

The EIRP includes the antenna gain. If the antenna pattern is considered, the antenna gain is relative based on the horizontal and vertical pattern gain values at that particular location in space, on a rooftop or on the ground. However, it is recommended that the antenna radiation pattern characteristics not be considered to provide a conservative "worst case" prediction. This is the equation is utilized for the Far Field exposure predictions herein.

EXHIBIT 6

AMERICAN TOWER®
CORPORATION

Structural Analysis Report

Structure	:	**125 ft Self Supported Tower**
ATC Site Name	:	**Cherry Hill-branford, CT**
ATC Asset Number	:	**302536**
Engineering Number	:	**13334427_C3_02**
Proposed Carrier	:	**AT&T Mobility**
Carrier Site Name	:	**MRCTB049213**
Carrier Site Number	:	**CTL02175**
Site Location	:	**4 Beaver Road** **Branford, CT 06405-3403** **41.280200,-72.841700**
County	:	**New Haven**
Date	:	**January 27, 2021**
Max Usage	:	**84%**
Result	:	**Pass**

Prepared By:
Peter Giordano
Structural Engineer II

Peter J. Giordano

Reviewed By:

COA: PEC.0001553

AMERICAN TOWER®
CORPORATION

Table of Contents

Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 125 ft self supported tower to reflect the change in loading by AT&T Mobility.

Supporting Documents

Tower Drawings	Rohn Eng. File # 30329PM, dated November 22, 1993
Foundation Drawing	Rohn Eng. File # 30329PM, dated November 11, 1993
Geotechnical Report	French & Parrello Job # 93N019C, dated June 4, 1993

Analysis

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

Basic Wind Speed:	101 mph (3-Second Gust, Vasd) / 130 mph (3-Second Gust, Vult)
Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ 3/4" radial ice concurrent
Code:	ANSI/TIA-222-G / 2015 IBC / 2018 Connecticut State Building Code
Structure Class:	II
Exposure Category:	B
Topographic Category:	1
Crest Height:	0 ft
Spectral Response:	Ss = 0.18, S_1 = 0.06
Site Class:	D - Stiff Soil

Conclusion

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

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

Existing and Reserved Equipment

Elev.[1] (ft)	Qty	Antenna	Mount Type	Lines	Carrier
125.0	12	Decibel DB844H90E-XY	Sector Frames	(12) 7/8" Coax	SPRINT NEXTEL
113.0	6	Powerwave Allgon LGP21401	Sector Frames	(2) 0.39" (10mm) Fiber Trunk (2) 0.74" (18.7mm) 8 AWG 7 (4) 0.78" (19.7mm) 8 AWG 6 (1) 3/8" (0.38"-9.5mm) RET Control Cable	AT&T MOBILITY
	1	Raycap DC6-48-60-18-8F			
	1	Raycap DC6-48-60-18-8F ("Squid")			
	3	Ericsson RRUS 8843 B2, B66A			
	1	Commscope WCS-IMFQ-AMT			
	3	Ericsson RRUS 4449 B5, B12			
	6	Kathrein Scala 80010964			
	3	Ericsson RRUS 32 (50.8 lbs)			
	3	Powerwave Allgon 7770.00			
	3	Andrew SBNHH-1D65A (33.5 lbs)			
100.0	3	RFS APXV18-206517S-C	Leg	(6) 1 5/8" Coax	METRO PCS INC
91.0	1	Generic 10' Omni	Side Arm	(1) 7/8" Coax	OTHER

Equipment to be Removed

Elev.[1] (ft)	Qty	Antenna	Mount Type	Lines	Carrier
113.0	1	Raycap DC6-48-60-18	-	(2) 0.78" (19.7mm) 8 AWG 6 (2) 3" conduit (12) 7/8" Coax	AT&T MOBILITY

Proposed Equipment

Elev.[1] (ft)	Qty	Antenna	Mount Type	Lines	Carrier
113.0	1	Raycap DC6-48-60-0-8F	Sector Frames	(2) 2" conduit	AT&T MOBILITY
	3	Ericsson RRUS 4478 B14			

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

Install proposed lines in the place of the existing AT&T MOBILITY lines.

Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Legs	72%	Pass
Diagonals	84%	Pass
Horizontals	11%	Pass
Anchor Bolts	65%	Pass
Leg Bolts	69%	Pass

Foundations

Reaction Component	Original Design Reactions	Factored Design Reactions*	Analysis Reactions	% of Design
Uplift (Kips)	154.8	209.0	139.0	67%
Axial (Kips)	169.1	228.3	155.8	68%
Total Shear (Kips)	18.3	24.7	17.5	71%
* The design reactions are factored by 1.35 per ANSI/TIA-222-G, Sec. 15.5.1				

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

Deflection, Twist and Sway*

Antenna Elevation (ft)	Antenna	Carrier	Deflection (ft)	Twist (°)	Sway (Rotation) (°)
113.0	Ericsson RRUS 4478 B14	AT&T MOBILITY	0.286	0.005	0.297
	Raycap DC6-48-60-0-8F				

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

Standard Conditions

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

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

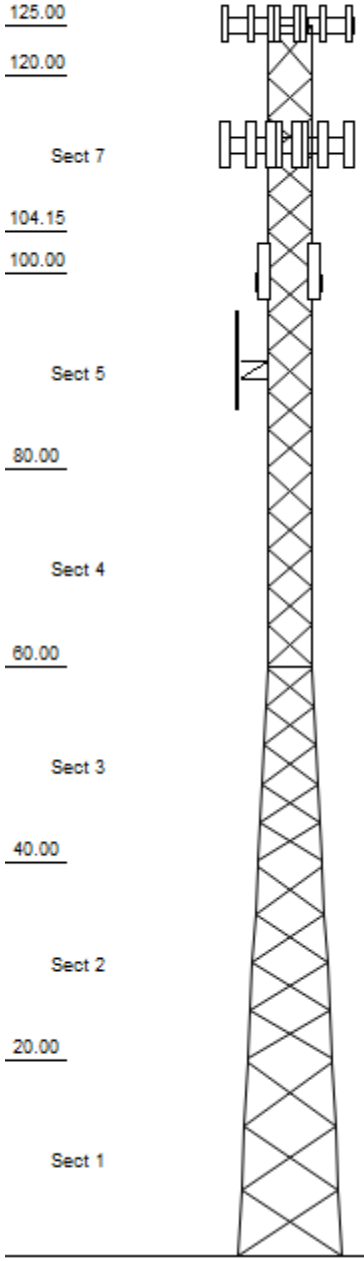
It is the responsibility of the client to ensure that the information provided to A.T. Engineering Service, PLLC and used in the performance of our engineering services is correct and complete.

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

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

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

Quadrant 1



Loads: 101 mph no ice
50 mph w/ 3/4" radial ice
Site Class: D Ss: 0.18 S1: 0.06
60 mph Serviceability

Job Information

Client : AT&T MOBILITY			
Tower : 302536	Location : Cherry Hill-	Base Width :	10.75 ft
Code : ANSI/TIA-222-G		Top Width :	4.56 ft
		Tower Ht :	125.00 ft
		Shape :	Triangle

Sections Properties

Section	Leg Members	Diagonal Members	Horizontal Members
1	PSP 50 ksi ROHN 5 EH	SAE 36 ksi 1.75X1.75X0.125	
2	PSP 50 ksi ROHN 5 EH	SAE 36 ksi 1.5X1.5X0.1875	
3	PX 50 ksi 4" DIA PIPE	SAE 36 ksi 1.5X1.5X0.1875	SAE 36 ksi 1.5X1.5X0.125
4	PX 50 ksi 4" DIA PIPE	SAE 36 ksi 2X2X0.25	
5	PX 50 ksi 3" DIA PIPE	SAE 36 ksi 1.5X1.5X0.1875	
6 - 7	PST 50 ksi 2-1/2" DIA PIPE	SAE 36 ksi 1.5X1.5X0.1875	
8	PST 50 ksi 2-1/2" DIA PIPE	SAE 36 ksi 1.5X1.5X0.125	SAE 36 ksi 1.5X1.5X0.125

Discrete Appurtenance

Elev (ft)	Type	Qty	Description
125.00	Mounting Frame	3	Flat Light Sector Frame
125.00	Panel	12	Decibel DB844H90E-XY
113.00	Mounting Frame	3	Flat Light Sector Frame with F
113.00	Panel	6	Kathrein Scala 80010964
113.00	Panel	3	Andrew SBNHH-1D65A (33.5 lbs)
113.00	Panel	3	Powerwave Allgon 7770.00
113.00		3	Ericsson RRUS 32 (50.8 lbs)
113.00		3	Ericsson RRUS 4449 B5, B12
113.00		3	Ericsson RRUS 4478 B14
113.00		3	Ericsson RRUS 8843 B2, B66A
113.00		1	Raycap DC6-48-60-18-8F ("Squid
113.00		1	Raycap DC6-48-60-0-8F
113.00		1	Raycap DC6-48-60-18-8F
113.00		6	Powerwave Allgon LGP21401
113.00		1	Commscope WCS-IMFQ-AMT
100.00	Panel	3	RFS APXV18-206517S-C
91.00	Straight Arm	1	Side Arm
91.00	Whip	1	Generic 10' Omni

Linear Appurtenance

Elev (ft) From	To	Qty	Description
10.00	125.00	1	Wave Guide
10.00	125.00	12	7/8" Coax
10.00	113.00	1	Wave Guide
10.00	113.00	1	3/8" (0.38"- 9.5mm)
10.00	113.00	4	0.78" (19.7mm) 8 AWG
10.00	113.00	2	0.74" (18.7mm) 8 AWG
10.00	113.00	2	0.39" (10mm) Fiber T
0.00	113.00	2	2" conduit
10.00	100.00	1	Wave Guide
10.00	100.00	6	1 5/8" Coax
10.00	91.00	1	7/8" Coax

Global Base Foundation Design Loads

Load Case	Moment (k-ft)	Vertical (kip)	Horizontal (kip)
DL + WL	1,389.84	19.43	17.51
DL + WL + IL	437.37	55.20	5.66

Job Information

Client :	**AT&T MOBILITY**		
Tower :	**302536**	**Location :** **Cherry Hill-**	**Base Width :** **10.75 ft**
Code :	**ANSI/TIA-222-G**		**Top Width :** **4.56 ft**
			Tower Ht : **125.00 ft**
			Shape : **Triangle**

Individual Base Foundation Design Loads

Vertical (kip)	Uplift (kip)	Horizontal (kip)
155.77	138.98	11.62

Site Number:	302536	Code:	ANSI/TIA-222-G	
Site Name:	Cherry Hill-branford, CT	Engineering Number:	13334427_C3_02	1/27/2021 10:07:38 AM
Customer:	AT&T MOBILITY			

Analysis Parameters

Location:	New Haven County, CT	Height (ft):	125
Code:	ANSI/TIA-222-G	Base Elevation (ft):	0.00
Shape:	Triangle	Bottom Face Width (ft):	10.75
Tower Manufacturer:	Rohn	Top Face Width (ft):	4.56
Tower Type:	Self Support	Anchor Bolt Detail Type	c
Kd:			
Ke:			

Ice & Wind Parameters

Structure Class:	II	Design Windspeed Without Ice:	101 mph
Exposure Category:	B	Design Windspeed With Ice:	50 mph
Topographic Category:	1	Operational Windspeed:	60 mph
Crest Height:	0 ft	Design Ice Thickness:	0.75 in

Seismic Parameters

Analysis Method:	Equivalent Modal Analysis & Equivalent Lateral Force Methods				
Site Class:	D - Stiff Soil				
Period Based on Rayleigh Method (sec):	1.08				
T_L (sec):	6	p:	1.3	C_S:	0.030
S_S:	0.181	S_1:	0.061	C_S, Max:	0.030
F_a:	1.600	F_V:	2.400	C_S, Min:	0.030
S_{ds}:	0.193	S_{d1}:	0.098		

Load Cases

1.2D + 1.6W Normal - Pat 1	101 mph Normal with No Ice - Pattern 1
1.2D + 1.6W Normal - Pat 2	101 mph Normal with No Ice - Pattern 2
1.2D + 1.6W Normal - Pat 3	101 mph Normal with No Ice - Pattern 3
1.2D + 1.6W 60 deg - Pat 1	101 mph 60 degree with No Ice - Pattern 1
1.2D + 1.6W 60 deg - Pat 2	101 mph 60 degree with No Ice - Pattern 2
1.2D + 1.6W 60 deg - Pat 3	101 mph 60 degree with No Ice - Pattern 3
1.2D + 1.6W 90 deg - Pat 1	101 mph 90 degree with No Ice - Pattern 1
1.2D + 1.6W 90 deg - Pat 2	101 mph 90 degree with No Ice - Pattern 2
1.2D + 1.6W 90 deg - Pat 3	101 mph 90 degree with No Ice - Pattern 3
1.2D + 1.6W 120 deg - Pat 1	101 mph 120 degree with No Ice - Pattern 1
1.2D + 1.6W 120 deg - Pat 2	101 mph 120 degree with No Ice - Pattern 2
1.2D + 1.6W 120 deg - Pat 3	101 mph 120 degree with No Ice - Pattern 3
1.2D + 1.6W 180 deg - Pat 1	101 mph 180 degree with No Ice - Pattern 1
1.2D + 1.6W 180 deg - Pat 2	101 mph 180 degree with No Ice - Pattern 2
1.2D + 1.6W 180 deg - Pat 3	101 mph 180 degree with No Ice - Pattern 3
1.2D + 1.6W 210 deg - Pat 1	101 mph 210 degree with No Ice - Pattern 1
1.2D + 1.6W 210 deg - Pat 2	101 mph 210 degree with No Ice - Pattern 2
1.2D + 1.6W 210 deg - Pat 3	101 mph 210 degree with No Ice - Pattern 3
1.2D + 1.6W 240 deg - Pat 1	101 mph 240 degree with No Ice - Pattern 1

Analysis Parameters

1.2D + 1.6W 240 deg - Pat 2	101 mph 240 degree with No Ice - Pattern 2
1.2D + 1.6W 240 deg - Pat 3	101 mph 240 degree with No Ice - Pattern 3
1.2D + 1.6W 300 deg - Pat 1	101 mph 300 degree with No Ice - Pattern 1
1.2D + 1.6W 300 deg - Pat 2	101 mph 300 degree with No Ice - Pattern 2
1.2D + 1.6W 300 deg - Pat 3	101 mph 300 degree with No Ice - Pattern 3
1.2D + 1.6W 330 deg - Pat 1	101 mph 330 degree with No Ice - Pattern 1
1.2D + 1.6W 330 deg - Pat 2	101 mph 330 degree with No Ice - Pattern 2
1.2D + 1.6W 330 deg - Pat 3	101 mph 330 degree with No Ice - Pattern 3
0.9D + 1.6W Normal	101 mph Normal with No Ice (Reduced DL)
0.9D + 1.6W 60 deg	101 mph 60 deg with No Ice (Reduced DL)
0.9D + 1.6W 90 deg	101 mph 90 deg with No Ice (Reduced DL)
0.9D + 1.6W 120 deg	101 mph 120 deg with No Ice (Reduced DL)
0.9D + 1.6W 180 deg	101 mph 180 deg with No Ice (Reduced DL)
0.9D + 1.6W 210 deg	101 mph 210 deg with No Ice (Reduced DL)
0.9D + 1.6W 240 deg	101 mph 240 deg with No Ice (Reduced DL)
0.9D + 1.6W 300 deg	101 mph 300 deg with No Ice (Reduced DL)
0.9D + 1.6W 330 deg	101 mph 330 deg with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi Normal	50 mph Normal with 0.75 in Radial Ice
1.2D + 1.0Di + 1.0Wi 60 deg	50 mph 60 deg with 0.75 in Radial Ice
1.2D + 1.0Di + 1.0Wi 90 deg	50 mph 90 deg with 0.75 in Radial Ice
1.2D + 1.0Di + 1.0Wi 120 deg	50 mph 120 deg with 0.75 in Radial Ice
1.2D + 1.0Di + 1.0Wi 180 deg	50 mph 180 deg with 0.75 in Radial Ice
1.2D + 1.0Di + 1.0Wi 210 deg	50 mph 210 deg with 0.75 in Radial Ice
1.2D + 1.0Di + 1.0Wi 240 deg	50 mph 240 deg with 0.75 in Radial Ice
1.2D + 1.0Di + 1.0Wi 300 deg	50 mph 300 deg with 0.75 in Radial Ice
1.2D + 1.0Di + 1.0Wi 330 deg	50 mph 330 deg with 0.75 in Radial Ice
(1.2 + 0.2Sds) * DL + E Normal	Seismic Normal
(1.2 + 0.2Sds) * DL + E 60 deg	Seismic 60 deg
(1.2 + 0.2Sds) * DL + E 90 deg	Seismic 90 deg
(1.2 + 0.2Sds) * DL + E 120 deg	Seismic 120 deg
(1.2 + 0.2Sds) * DL + E 180 deg	Seismic 180 deg
(1.2 + 0.2Sds) * DL + E 210 deg	Seismic 210 deg
(1.2 + 0.2Sds) * DL + E 240 deg	Seismic 240 deg
(1.2 + 0.2Sds) * DL + E 300 deg	Seismic 300 deg
(1.2 + 0.2Sds) * DL + E 330 deg	Seismic 330 deg
(0.9 - 0.2Sds) * DL + E Normal	Seismic (Reduced DL) Normal
(0.9 - 0.2Sds) * DL + E 60 deg	Seismic (Reduced DL) 60 deg
(0.9 - 0.2Sds) * DL + E 90 deg	Seismic (Reduced DL) 90 deg
(0.9 - 0.2Sds) * DL + E 120 deg	Seismic (Reduced DL) 120 deg
(0.9 - 0.2Sds) * DL + E 180 deg	Seismic (Reduced DL) 180 deg
(0.9 - 0.2Sds) * DL + E 210 deg	Seismic (Reduced DL) 210 deg
(0.9 - 0.2Sds) * DL + E 240 deg	Seismic (Reduced DL) 240 deg
(0.9 - 0.2Sds) * DL + E 300 deg	Seismic (Reduced DL) 300 deg
(0.9 - 0.2Sds) * DL + E 330 deg	Seismic (Reduced DL) 330 deg
1.0D + 1.0W Service Normal	Serviceability - 60 mph Wind Normal
1.0D + 1.0W Service 60 deg	Serviceability - 60 mph Wind 60 deg

Analysis Parameters

1.0D + 1.0W Service 90 deg	Serviceability - 60 mph Wind 90 deg
1.0D + 1.0W Service 120 deg	Serviceability - 60 mph Wind 120 deg
1.0D + 1.0W Service 180 deg	Serviceability - 60 mph Wind 180 deg
1.0D + 1.0W Service 210 deg	Serviceability - 60 mph Wind 210 deg
1.0D + 1.0W Service 240 deg	Serviceability - 60 mph Wind 240 deg
1.0D + 1.0W Service 300 deg	Serviceability - 60 mph Wind 300 deg
1.0D + 1.0W Service 330 deg	Serviceability - 60 mph Wind 330 deg

Tower Loading

Discrete Appurtenance Properties 1.2D + 1.6W

Elevation (ft)	Description	Qty	Wt. (lb)	EPA (sf)	Length (ft)	Width (in)	Depth (in)	K_a	Orient. Factor	Vert. Ecc.(ft)	M_u (lb-ft)	Q_z (psf)	F_a (WL) (lb)	P_a (DL) (lb)
125.0	Decibel DB844H90E-	12	14	3.6	4.0	6.5	8.0	0.80	0.73	0.0	0.0	23.38	806	202
125.0	Flat Light Sector	3	400	17.9	0.0	0.0	0.0	0.75	0.75	0.0	0.0	23.38	960	1440
113.0	Andrew SBNHH-	3	34	5.9	4.6	11.9	7.1	0.80	0.69	0.0	0.0	22.72	301	121
113.0	Commscope WCS-	1	30	1.0	0.9	10.6	6.9	0.80	1.00	0.0	0.0	22.72	24	35
113.0	Ericsson RRUS 32	3	51	2.7	2.2	12.1	6.7	0.80	0.50	0.0	0.0	22.72	100	183
113.0	Ericsson RRUS 4449	3	71	2.0	1.5	13.2	9.4	0.80	0.50	0.0	0.0	22.72	73	256
113.0	Ericsson RRUS 4478	3	60	1.8	1.4	13.4	7.7	0.80	0.50	0.0	0.0	22.72	68	216
113.0	Ericsson RRUS 8843	3	72	1.6	1.2	13.2	10.9	0.80	0.50	0.0	0.0	22.72	61	259
113.0	Flat Light Sector	3	400	13.6	0.0	0.0	0.0	0.75	0.67	0.0	0.0	22.72	633	1440
113.0	Kathrein Scala	6	82	10.0	4.9	20.0	6.9	0.80	0.62	0.0	0.0	22.72	919	588
113.0	Powerwave Allgon	3	35	5.5	4.6	11.0	5.0	0.80	0.65	0.0	0.0	22.72	265	126
113.0	Powerwave Allgon	6	14	1.1	1.2	9.2	2.6	0.80	0.50	0.0	0.0	22.72	82	102
113.0	Raycap DC6-48-60-0-	1	33	1.4	1.9	11.0	11.0	0.80	1.00	0.0	0.0	22.72	34	39
113.0	Raycap DC6-48-60-	1	20	1.3	2.0	9.7	9.7	0.80	1.00	0.0	0.0	22.72	31	24
113.0	Raycap DC6-48-60-	1	32	1.5	2.0	11.0	11.0	0.80	1.00	0.0	0.0	22.72	36	38
100.0	RFS APXV18-	3	26	5.2	6.0	6.8	3.2	1.00	0.68	0.0	0.0	21.94	314	95
91.00	Generic 10' Omni	1	25	3.0	10.0	3.0	3.0	1.00	1.00	0.0	0.0	21.35	87	30
91.00	Side Arm	1	150	3.0	0.0	0.0	0.0	1.00	1.00	0.0	0.0	21.35	87	180
	Totals	57	4477	289.6									4882	5373

Discrete Appurtenance Properties 1.2D + 1.6W

Elevation (ft)	Description	Qty	Wt. (lb)	EPA (sf)	Length (ft)	Width (in)	Depth (in)	K_a	Orient. Factor	Vert. Ecc.(ft)	M_u (lb-ft)	Q_z (psf)	F_a (WL) (lb)	P_a (DL) (lb)
125.0	Decibel DB844H90E-	12	14	3.6	4.0	6.5	8.0	0.80	0.73	0.0	0.0	23.38	806	202
125.0	Flat Light Sector	3	400	17.9	0.0	0.0	0.0	0.75	0.75	0.0	0.0	23.38	960	1440
113.0	Andrew SBNHH-	3	34	5.9	4.6	11.9	7.1	0.80	0.69	0.0	0.0	22.72	301	121
113.0	Commscope WCS-	1	30	1.0	0.9	10.6	6.9	0.80	1.00	0.0	0.0	22.72	24	35
113.0	Ericsson RRUS 32	3	51	2.7	2.2	12.1	6.7	0.80	0.50	0.0	0.0	22.72	100	183
113.0	Ericsson RRUS 4449	3	71	2.0	1.5	13.2	9.4	0.80	0.50	0.0	0.0	22.72	73	256
113.0	Ericsson RRUS 4478	3	60	1.8	1.4	13.4	7.7	0.80	0.50	0.0	0.0	22.72	68	216
113.0	Ericsson RRUS 8843	3	72	1.6	1.2	13.2	10.9	0.80	0.50	0.0	0.0	22.72	61	259
113.0	Flat Light Sector	3	400	13.6	0.0	0.0	0.0	0.75	0.67	0.0	0.0	22.72	633	1440
113.0	Kathrein Scala	6	82	10.0	4.9	20.0	6.9	0.80	0.62	0.0	0.0	22.72	919	588
113.0	Powerwave Allgon	3	35	5.5	4.6	11.0	5.0	0.80	0.65	0.0	0.0	22.72	265	126
113.0	Powerwave Allgon	6	14	1.1	1.2	9.2	2.6	0.80	0.50	0.0	0.0	22.72	82	102
113.0	Raycap DC6-48-60-0-	1	33	1.4	1.9	11.0	11.0	0.80	1.00	0.0	0.0	22.72	34	39
113.0	Raycap DC6-48-60-	1	20	1.3	2.0	9.7	9.7	0.80	1.00	0.0	0.0	22.72	31	24
113.0	Raycap DC6-48-60-	1	32	1.5	2.0	11.0	11.0	0.80	1.00	0.0	0.0	22.72	36	38
100.0	RFS APXV18-	3	26	5.2	6.0	6.8	3.2	1.00	0.68	0.0	0.0	21.94	314	95
91.00	Generic 10' Omni	1	25	3.0	10.0	3.0	3.0	1.00	1.00	0.0	0.0	21.35	87	30
91.00	Side Arm	1	150	3.0	0.0	0.0	0.0	1.00	1.00	0.0	0.0	21.35	87	180
	Totals	57	4477	289.6									4882	5373

Discrete Appurtenance Properties 1.2D + 1.6W

Elevation (ft)	Description	Qty	Wt. (lb)	EPA (sf)	Length (ft)	Width (in)	Depth (in)	K_a	Orient. Factor	Vert. Ecc.(ft)	M_u (lb-ft)	Q_z (psf)	F_a (WL) (lb)	P_a (DL) (lb)
125.0	Decibel DB844H90E-	12	14	3.6	4.0	6.5	8.0	0.80	0.73	0.0	0.0	23.38	806	202
125.0	Flat Light Sector	3	400	17.9	0.0	0.0	0.0	0.75	0.75	0.0	0.0	23.38	960	1440

Site Number: 302536 Code: ANSI/TIA-222-G

Site Name: Cherry Hill-branford, CT Engineering Number: 13334427_C3_02 1/27/2021 10:07:38 AM

Customer: AT&T MOBILITY

Tower Loading

113.0	Andrew SBNHH-	3	34	5.9	4.6	11.9	7.1	0.80	0.69	0.0	0.0	22.72	301	121
113.0	Commscope WCS-	1	30	1.0	0.9	10.6	6.9	0.80	1.00	0.0	0.0	22.72	24	35
113.0	Ericsson RRUS 32	3	51	2.7	2.2	12.1	6.7	0.80	0.50	0.0	0.0	22.72	100	183
113.0	Ericsson RRUS 4449	3	71	2.0	1.5	13.2	9.4	0.80	0.50	0.0	0.0	22.72	73	256
113.0	Ericsson RRUS 4478	3	60	1.8	1.4	13.4	7.7	0.80	0.50	0.0	0.0	22.72	68	216
113.0	Ericsson RRUS 8843	3	72	1.6	1.2	13.2	10.9	0.80	0.50	0.0	0.0	22.72	61	259
113.0	Flat Light Sector	3	400	13.6	0.0	0.0	0.0	0.75	0.67	0.0	0.0	22.72	633	1440
113.0	Kathrein Scala	6	82	10.0	4.9	20.0	6.9	0.80	0.62	0.0	0.0	22.72	919	588
113.0	Powerwave Allgon	3	35	5.5	4.6	11.0	5.0	0.80	0.65	0.0	0.0	22.72	265	126
113.0	Powerwave Allgon	6	14	1.1	1.2	9.2	2.6	0.80	0.50	0.0	0.0	22.72	82	102
113.0	Raycap DC6-48-60-0-	1	33	1.4	1.9	11.0	11.0	0.80	1.00	0.0	0.0	22.72	34	39
113.0	Raycap DC6-48-60-	1	20	1.3	2.0	9.7	9.7	0.80	1.00	0.0	0.0	22.72	31	24
113.0	Raycap DC6-48-60-	1	32	1.5	2.0	11.0	11.0	0.80	1.00	0.0	0.0	22.72	36	38
100.0	RFS APXV18-	3	26	5.2	6.0	6.8	3.2	1.00	0.68	0.0	0.0	21.94	314	95
91.00	Generic 10' Omni	1	25	3.0	10.0	3.0	3.0	1.00	1.00	0.0	0.0	21.35	87	30
91.00	Side Arm	1	150	3.0	0.0	0.0	0.0	1.00	1.00	0.0	0.0	21.35	87	180
	Totals	57	4477	289.6									4882	5373

Discrete Appurtenance Properties 0.9D + 1.6W

Elevation (ft)	Description	Qty	Wt. (lb)	EPA (sf)	Length (ft)	Width (in)	Depth (in)	K_a	Orient. Factor	Vert. Ecc.(ft)	M_u (lb-ft)	Q_z (psf)	F_a (WL) (lb)	P_a (DL) (lb)
125.0	Decibel DB844H90E-	12	14	3.6	4.0	6.5	8.0	0.80	0.73	0.0	0.0	23.38	806	151
125.0	Flat Light Sector	3	400	17.9	0.0	0.0	0.0	0.75	0.75	0.0	0.0	23.38	960	1080
113.0	Andrew SBNHH-	3	34	5.9	4.6	11.9	7.1	0.80	0.69	0.0	0.0	22.72	301	90
113.0	Commscope WCS-	1	30	1.0	0.9	10.6	6.9	0.80	1.00	0.0	0.0	22.72	24	27
113.0	Ericsson RRUS 32	3	51	2.7	2.2	12.1	6.7	0.80	0.50	0.0	0.0	22.72	100	137
113.0	Ericsson RRUS 4449	3	71	2.0	1.5	13.2	9.4	0.80	0.50	0.0	0.0	22.72	73	192
113.0	Ericsson RRUS 4478	3	60	1.8	1.4	13.4	7.7	0.80	0.50	0.0	0.0	22.72	68	162
113.0	Ericsson RRUS 8843	3	72	1.6	1.2	13.2	10.9	0.80	0.50	0.0	0.0	22.72	61	194
113.0	Flat Light Sector	3	400	13.6	0.0	0.0	0.0	0.75	0.67	0.0	0.0	22.72	633	1080
113.0	Kathrein Scala	6	82	10.0	4.9	20.0	6.9	0.80	0.62	0.0	0.0	22.72	919	441
113.0	Powerwave Allgon	3	35	5.5	4.6	11.0	5.0	0.80	0.65	0.0	0.0	22.72	265	95
113.0	Powerwave Allgon	6	14	1.1	1.2	9.2	2.6	0.80	0.50	0.0	0.0	22.72	82	76
113.0	Raycap DC6-48-60-0-	1	33	1.4	1.9	11.0	11.0	0.80	1.00	0.0	0.0	22.72	34	30
113.0	Raycap DC6-48-60-	1	20	1.3	2.0	9.7	9.7	0.80	1.00	0.0	0.0	22.72	31	18
113.0	Raycap DC6-48-60-	1	32	1.5	2.0	11.0	11.0	0.80	1.00	0.0	0.0	22.72	36	29
100.0	RFS APXV18-	3	26	5.2	6.0	6.8	3.2	1.00	0.68	0.0	0.0	21.94	314	71
91.00	Generic 10' Omni	1	25	3.0	10.0	3.0	3.0	1.00	1.00	0.0	0.0	21.35	87	23
91.00	Side Arm	1	150	3.0	0.0	0.0	0.0	1.00	1.00	0.0	0.0	21.35	87	135
	Totals	57	4477	289.6									4882	4029

Discrete Appurtenance Properties 1.2D + 1.0Di + 1.0Wi

Elevation (ft)	Description	Qty	Ice Wt (lb)	Ice EPA (sf)	Length (ft)	Width (in)	Depth (in)	K_a	Orient. Factor	Vert. Ecc.(ft)	M_u (lb-ft)	Q_z (psf)	F_a (WL) (lb)	P_a (DL) (lb)
125.0	Decibel DB844H90E-	12	122	3.9	4.0	6.5	8.0	0.80	0.73	0.0	0.0	5.73	133	1496
125.0	Flat Light Sector	3	696	32.7	0.0	0.0	0.0	0.75	0.75	0.0	0.0	5.73	269	2327
113.0	Andrew SBNHH-	3	165	8.0	4.6	11.9	7.1	0.80	0.69	0.0	0.0	5.57	62	516
113.0	Commscope WCS-	1	62	1.6	0.9	10.6	6.9	0.80	1.00	0.0	0.0	5.57	6	68
113.0	Ericsson RRUS 32	3	120	3.8	2.2	12.1	6.7	0.80	0.50	0.0	0.0	5.57	22	392
113.0	Ericsson RRUS 4449	3	134	2.9	1.5	13.2	9.4	0.80	0.50	0.0	0.0	5.57	16	444
113.0	Ericsson RRUS 4478	3	114	2.7	1.4	13.4	7.7	0.80	0.50	0.0	0.0	5.57	15	377
113.0	Ericsson RRUS 8843	3	132	2.5	1.2	13.2	10.9	0.80	0.50	0.0	0.0	5.57	14	438

Tower Loading

113.0	Flat Light Sector	3	693	24.8	0.0	0.0	0.0	0.75	0.67	0.0	0.0	5.57	177	2319
113.0	Kathrein Scala	6	281	12.3	4.9	20.0	6.9	0.80	0.62	0.0	0.0	5.57	173	1782
113.0	Powerwave Allgon	3	165	6.5	4.6	11.0	5.0	0.80	0.65	0.0	0.0	5.57	48	517
113.0	Powerwave Allgon	6	38	1.8	1.2	9.2	2.6	0.80	0.50	0.0	0.0	5.57	20	247
113.0	Raycap DC6-48-60-0-	1	89	2.0	1.9	11.0	11.0	0.80	1.00	0.0	0.0	5.57	8	96
113.0	Raycap DC6-48-60-	1	71	1.9	2.0	9.7	9.7	0.80	1.00	0.0	0.0	5.57	7	75
113.0	Raycap DC6-48-60-	1	92	2.1	2.0	11.0	11.0	0.80	1.00	0.0	0.0	5.57	8	98
100.0	RFS APXV18-	3	115	7.4	6.0	6.8	3.2	1.00	0.68	0.0	0.0	5.38	69	360
91.00	Generic 10' Omni	1	97	6.4	10.0	3.0	3.0	1.00	1.00	0.0	0.0	5.23	29	102
91.00	Side Arm	1	220	4.5	0.0	0.0	0.0	1.00	1.00	0.0	0.0	5.23	20	250
	Totals	57	11009	423.7									1097	11904

Discrete Appurtenance Properties 1.0D + 1.0W Service

Elevation (ft)	Description	Qty	Wt. (lb)	EPA (sf)	Length (ft)	Width (in)	Depth (in)	K_a	Orient. Factor	Vert. Ecc.(ft)	M_u (lb-ft)	Q_z (psf)	F_a (WL) (lb)	P_a (DL) (lb)
125.0	Decibel DB844H90E-	12	14	3.6	4.0	6.5	8.0	0.80	0.73	0.0	0.0	8.25	178	168
125.0	Flat Light Sector	3	400	17.9	0.0	0.0	0.0	0.75	0.75	0.0	0.0	8.25	212	1200
113.0	Andrew SBNHH-	3	34	5.9	4.6	11.9	7.1	0.80	0.69	0.0	0.0	8.02	66	101
113.0	Commscope WCS-	1	30	1.0	0.9	10.6	6.9	0.80	1.00	0.0	0.0	8.02	5	30
113.0	Ericsson RRUS 32	3	51	2.7	2.2	12.1	6.7	0.80	0.50	0.0	0.0	8.02	22	152
113.0	Ericsson RRUS 4449	3	71	2.0	1.5	13.2	9.4	0.80	0.50	0.0	0.0	8.02	16	213
113.0	Ericsson RRUS 4478	3	60	1.8	1.4	13.4	7.7	0.80	0.50	0.0	0.0	8.02	15	180
113.0	Ericsson RRUS 8843	3	72	1.6	1.2	13.2	10.9	0.80	0.50	0.0	0.0	8.02	13	216
113.0	Flat Light Sector	3	400	13.6	0.0	0.0	0.0	0.75	0.67	0.0	0.0	8.02	140	1200
113.0	Kathrein Scala	6	82	10.0	4.9	20.0	6.9	0.80	0.62	0.0	0.0	8.02	203	490
113.0	Powerwave Allgon	3	35	5.5	4.6	11.0	5.0	0.80	0.65	0.0	0.0	8.02	59	105
113.0	Powerwave Allgon	6	14	1.1	1.2	9.2	2.6	0.80	0.50	0.0	0.0	8.02	18	85
113.0	Raycap DC6-48-60-0-	1	33	1.4	1.9	11.0	11.0	0.80	1.00	0.0	0.0	8.02	7	33
113.0	Raycap DC6-48-60-	1	20	1.3	2.0	9.7	9.7	0.80	1.00	0.0	0.0	8.02	7	20
113.0	Raycap DC6-48-60-	1	32	1.5	2.0	11.0	11.0	0.80	1.00	0.0	0.0	8.02	8	32
100.0	RFS APXV18-	3	26	5.2	6.0	6.8	3.2	1.00	0.68	0.0	0.0	7.74	69	79
91.00	Generic 10' Omni	1	25	3.0	10.0	3.0	3.0	1.00	1.00	0.0	0.0	7.54	19	25
91.00	Side Arm	1	150	3.0	0.0	0.0	0.0	1.00	1.00	0.0	0.0	7.54	19	150
	Totals	57	4477	289.6									1077	4477

Tower Loading

Linear Appurtenance Properties

Elev From (ft)	Elev To (ft)	Description	Qty	Width (in)	Weight (lb/ft)	Pct In Block	Spread On Faces	Bundling Arrangement	Cluster Dia (in)	Out Of Zone	Spacing (in)	Orientation Factor	Ka Override
10.00	125.0	7/8" Coax	12	1.09	0.33	100	1	Individual	0.00	N	1.00	1.00	0.00
10.00	125.0	Wave Guide	1	1.50	6.00	100	1	Individual	0.00	N	1.00	1.00	0.00
0.00	113.0	2" conduit	2	2.38	3.65	100	None	Individual	0.00	N	1.00	1.00	0.00
10.00	113.0	0.39" (10mm) Fiber	2	0.39	0.06	100	2	Individual	0.00	N	1.00	1.00	0.01
10.00	113.0	0.74" (18.7mm) 8	2	0.74	0.49	100	2	Individual	0.00	N	1.00	1.00	0.01
10.00	113.0	0.78" (19.7mm) 8	4	0.78	0.59	50	2	Block	0.00	N	1.00	1.00	0.01
10.00	113.0	3/8" (0.38"-	1	0.38	0.23	100	2	Individual	0.00	N	1.00	1.00	0.00
10.00	113.0	Wave Guide	1	1.50	6.00	100	2	Individual	0.00	N	1.00	1.00	0.00
10.00	100.0	1 5/8" Coax	6	1.98	0.82	100	3	Individual	0.00	N	1.00	1.00	0.00
10.00	100.0	Wave Guide	1	1.50	6.00	100	3	Individual	0.00	N	1.00	1.00	0.00
10.00	91.00	7/8" Coax	1	1.09	0.33	100	3	Individual	0.00	N	1.00	1.00	0.00

Site Number: 302536 Code: ANSI/TIA-222-G

Site Name: Cherry Hill-branford, CT Engineering Number: 13334427_C3_02 1/27/2021 10:07:39 AM

Customer: AT&T MOBILITY

Section Forces

LoadCase 1.2D + 1.6W Normal - Pat 1 — 101 mph Normal with No Ice - Pattern 1

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	23.25	2.173	2.396	0.000	0.190	2.63	1.00	1.00	0.0	3.55	9.32	0.00	244	0	295	138	433
7	112.08	22.66	5.776	7.595	0.000	0.175	2.68	1.00	1.00	0.0	10.11	27.11	0.00	1012	0	835	537	1373
6	102.08	22.07	1.448	1.989	0.000	0.171	2.70	1.00	1.00	0.0	2.58	6.96	0.00	299	0	209	159	368
5	90.00	21.29	7.213	11.667	0.000	0.191	2.63	1.00	1.00	0.0	13.90	36.48	0.00	2044	0	1056	1226	2282
4	70.00	19.81	9.525	15.000	0.000	0.243	2.46	1.00	1.00	0.0	18.07	44.46	0.00	2695	0	1198	1157	2355
3	50.00	17.99	8.727	15.027	0.000	0.195	2.61	1.00	1.00	0.0	17.22	44.98	0.00	2467	0	1101	1051	2152
2	30.00	15.55	8.703	18.364	0.000	0.165	2.72	1.00	1.00	0.0	18.60	50.55	0.00	2890	0	1069	908	1977
1	10.00	15.54	9.898	18.364	0.000	0.138	2.81	1.00	1.00	0.0	19.71	55.47	0.00	2411	0	1172	514	1686
														14062	0			12625

LoadCase 1.2D + 1.6W Normal - Pat 2 — 101 mph Normal with No Ice - Pattern 2

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

	Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
0	8	122.50	12.79	2.173	2.396	0.000	0.190	2.63	1.00	1.00	0.0	3.55	9.32	0.00	244	0	162	76	238
0	7	112.08	12.46	5.776	7.595	0.000	0.175	2.68	1.00	1.00	0.0	10.11	27.11	0.00	1012	0	459	296	755
0	6	102.08	12.14	1.448	1.989	0.000	0.171	2.70	1.00	1.00	0.0	2.58	6.96	0.00	299	0	115	88	202
0	5	90.00	11.71	7.213	11.667	0.000	0.191	2.63	1.00	1.00	0.0	13.90	36.48	0.00	2044	0	581	674	1255
0	4	70.00	10.90	9.525	15.000	0.000	0.243	2.46	1.00	1.00	0.0	18.07	44.46	0.00	2695	0	659	636	1295
0	3	50.00	9.90	8.727	15.027	0.000	0.195	2.61	1.00	1.00	0.0	17.22	44.98	0.00	2467	0	605	578	1183
0	2	30.00	8.55	8.703	18.364	0.000	0.165	2.72	1.00	1.00	0.0	18.60	50.55	0.00	2890	0	588	499	1088
0	1	10.00	8.55	9.898	18.364	0.000	0.138	2.81	1.00	1.00	0.0	19.71	55.47	0.00	2411	0	645	283	927
															14062	0			6944

LoadCase 1.2D + 1.6W Normal - Pat 3 — 101 mph Normal with No Ice - Pattern 3

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	23.25	2.173	2.396	0.000	0.190	2.63	1.00	1.00	0.0	3.55	9.32	0.00	244	0	295	138	433
7	112.08	22.66	5.776	7.595	0.000	0.175	2.68	1.00	1.00	0.0	10.11	27.11	0.00	1012	0	835	537	1373
6	102.08	22.07	1.448	1.989	0.000	0.171	2.70	1.00	1.00	0.0	2.58	6.96	0.00	299	0	209	159	368
5	90.00	21.29	7.213	11.667	0.000	0.191	2.63	1.00	1.00	0.0	13.90	36.48	0.00	2044	0	1056	1226	2282
4	70.00	19.81	9.525	15.000	0.000	0.243	2.46	1.00	1.00	0.0	18.07	44.46	0.00	2695	0	1198	1157	2355
3	50.00	17.99	8.727	15.027	0.000	0.195	2.61	1.00	1.00	0.0	17.22	44.98	0.00	2467	0	1101	1051	2152
2	30.00	15.55	8.703	18.364	0.000	0.165	2.72	1.00	1.00	0.0	18.60	50.55	0.00	2890	0	1069	908	1977
1	10.00	15.54	9.898	18.364	0.000	0.138	2.81	1.00	1.00	0.0	19.71	55.47	0.00	2411	0	1172	514	1686
														14062	0			12625

Site Number: 302536 Code: ANSI/TIA-222-G

Site Name: Cherry Hill-branford, CT Engineering Number: 13334427_C3_02 1/27/2021 10:07:39 AM

Customer: AT&T MOBILITY

Section Forces

LoadCase 1.2D + 1.6W 60 deg - Pat 1

101 mph 60 degree with No Ice - Pattern 1

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	23.25	2.173	2.396	0.000	0.190	2.63	0.80	1.00	0.0	3.11	8.18	0.00	244	0	259	138	397
7	112.08	22.66	5.776	7.595	0.000	0.175	2.68	0.80	1.00	0.0	8.95	24.01	0.00	1012	0	740	537	1277
6	102.08	22.07	1.448	1.989	0.000	0.171	2.70	0.80	1.00	0.0	2.29	6.18	0.00	299	0	185	159	345
5	90.00	21.29	7.213	11.667	0.000	0.191	2.63	0.80	1.00	0.0	12.46	32.70	0.00	2044	0	947	1226	2172
4	70.00	19.81	9.525	15.000	0.000	0.243	2.46	0.80	1.00	0.0	16.17	39.77	0.00	2695	0	1072	1157	2228
3	50.00	17.99	8.727	15.027	0.000	0.195	2.61	0.80	1.00	0.0	15.47	40.42	0.00	2467	0	989	1051	2040
2	30.00	15.55	8.703	18.364	0.000	0.165	2.72	0.80	1.00	0.0	16.86	45.82	0.00	2890	0	969	908	1877
1	10.00	15.54	9.898	18.364	0.000	0.138	2.81	0.80	1.00	0.0	17.73	49.89	0.00	2411	0	1054	514	1568
														14062	0			11905

LoadCase 1.2D + 1.6W 60 deg - Pat 2

101 mph 60 degree with No Ice - Pattern 2

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

	Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
0	8	122.50	12.79	2.173	2.396	0.000	0.190	2.63	0.80	1.00	0.0	3.11	8.18	0.00	244	0	142	76	218
0	7	112.08	12.46	5.776	7.595	0.000	0.175	2.68	0.80	1.00	0.0	8.95	24.01	0.00	1012	0	407	296	703
0	6	102.08	12.14	1.448	1.989	0.000	0.171	2.70	0.80	1.00	0.0	2.29	6.18	0.00	299	0	102	88	190
0	5	90.00	11.71	7.213	11.667	0.000	0.191	2.63	0.80	1.00	0.0	12.46	32.70	0.00	2044	0	521	674	1195
0	4	70.00	10.90	9.525	15.000	0.000	0.243	2.46	0.80	1.00	0.0	16.17	39.77	0.00	2695	0	589	636	1226
0	3	50.00	9.90	8.727	15.027	0.000	0.195	2.61	0.80	1.00	0.0	15.47	40.42	0.00	2467	0	544	578	1122
0	2	30.00	8.55	8.703	18.364	0.000	0.165	2.72	0.80	1.00	0.0	16.86	45.82	0.00	2890	0	533	499	1032
0	1	10.00	8.55	9.898	18.364	0.000	0.138	2.81	0.80	1.00	0.0	17.73	49.89	0.00	2411	0	580	283	863
															14062	0			6548

LoadCase 1.2D + 1.6W 60 deg - Pat 3

101 mph 60 degree with No Ice - Pattern 3

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	23.25	2.173	2.396	0.000	0.190	2.63	0.80	1.00	0.0	3.11	8.18	0.00	244	0	259	138	397
7	112.08	22.66	5.776	7.595	0.000	0.175	2.68	0.80	1.00	0.0	8.95	24.01	0.00	1012	0	740	537	1277
6	102.08	22.07	1.448	1.989	0.000	0.171	2.70	0.80	1.00	0.0	2.29	6.18	0.00	299	0	185	159	345
5	90.00	21.29	7.213	11.667	0.000	0.191	2.63	0.80	1.00	0.0	12.46	32.70	0.00	2044	0	947	1226	2172
4	70.00	19.81	9.525	15.000	0.000	0.243	2.46	0.80	1.00	0.0	16.17	39.77	0.00	2695	0	1072	1157	2228
3	50.00	17.99	8.727	15.027	0.000	0.195	2.61	0.80	1.00	0.0	15.47	40.42	0.00	2467	0	989	1051	2040
2	30.00	15.55	8.703	18.364	0.000	0.165	2.72	0.80	1.00	0.0	16.86	45.82	0.00	2890	0	969	908	1877
1	10.00	15.54	9.898	18.364	0.000	0.138	2.81	0.80	1.00	0.0	17.73	49.89	0.00	2411	0	1054	514	1568
														14062	0			11905

Site Number: 302536 Code: ANSI/TIA-222-G

Site Name: Cherry Hill-branford, CT Engineering Number: 13334427_C3_02 1/27/2021 10:07:39 AM

Customer: AT&T MOBILITY

Section Forces

LoadCase 1.2D + 1.6W 90 deg - Pat 1

101 mph 90 degree with No Ice - Pattern 1

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	23.25	2.173	2.396	0.000	0.190	2.63	0.85	1.00	0.0	3.22	8.46	0.00	244	0	268	138	406
7	112.08	22.66	5.776	7.595	0.000	0.175	2.68	0.85	1.00	0.0	9.24	24.78	0.00	1012	0	764	537	1301
6	102.08	22.07	1.448	1.989	0.000	0.171	2.70	0.85	1.00	0.0	2.36	6.37	0.00	299	0	191	159	350
5	90.00	21.29	7.213	11.667	0.000	0.191	2.63	0.85	1.00	0.0	12.82	33.64	0.00	2044	0	974	1226	2200
4	70.00	19.81	9.525	15.000	0.000	0.243	2.46	0.85	1.00	0.0	16.65	40.94	0.00	2695	0	1103	1157	2260
3	50.00	17.99	8.727	15.027	0.000	0.195	2.61	0.85	1.00	0.0	15.91	41.56	0.00	2467	0	1017	1051	2068
2	30.00	15.55	8.703	18.364	0.000	0.165	2.72	0.85	1.00	0.0	17.30	47.01	0.00	2890	0	994	908	1902
1	10.00	15.54	9.898	18.364	0.000	0.138	2.81	0.85	1.00	0.0	18.22	51.29	0.00	2411	0	1084	514	1598
														14062	0			12085

LoadCase 1.2D + 1.6W 90 deg - Pat 2

101 mph 90 degree with No Ice - Pattern 2

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

	Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
0	8	122.50	12.79	2.173	2.396	0.000	0.190	2.63	0.85	1.00	0.0	3.22	8.46	0.00	244	0	147	76	223
0	7	112.08	12.46	5.776	7.595	0.000	0.175	2.68	0.85	1.00	0.0	9.24	24.78	0.00	1012	0	420	296	716
0	6	102.08	12.14	1.448	1.989	0.000	0.171	2.70	0.85	1.00	0.0	2.36	6.37	0.00	299	0	105	88	193
0	5	90.00	11.71	7.213	11.667	0.000	0.191	2.63	0.85	1.00	0.0	12.82	33.64	0.00	2044	0	536	674	1210
0	4	70.00	10.90	9.525	15.000	0.000	0.243	2.46	0.85	1.00	0.0	16.65	40.94	0.00	2695	0	607	636	1243
0	3	50.00	9.90	8.727	15.027	0.000	0.195	2.61	0.85	1.00	0.0	15.91	41.56	0.00	2467	0	559	578	1137
0	2	30.00	8.55	8.703	18.364	0.000	0.165	2.72	0.85	1.00	0.0	17.30	47.01	0.00	2890	0	547	499	1046
0	1	10.00	8.55	9.898	18.364	0.000	0.138	2.81	0.85	1.00	0.0	18.22	51.29	0.00	2411	0	596	283	879
															14062	0			6647

LoadCase 1.2D + 1.6W 90 deg - Pat 3

101 mph 90 degree with No Ice - Pattern 3

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	23.25	2.173	2.396	0.000	0.190	2.63	0.85	1.00	0.0	3.22	8.46	0.00	244	0	268	138	406
7	112.08	22.66	5.776	7.595	0.000	0.175	2.68	0.85	1.00	0.0	9.24	24.78	0.00	1012	0	764	537	1301
6	102.08	22.07	1.448	1.989	0.000	0.171	2.70	0.85	1.00	0.0	2.36	6.37	0.00	299	0	191	159	350
5	90.00	21.29	7.213	11.667	0.000	0.191	2.63	0.85	1.00	0.0	12.82	33.64	0.00	2044	0	974	1226	2200
4	70.00	19.81	9.525	15.000	0.000	0.243	2.46	0.85	1.00	0.0	16.65	40.94	0.00	2695	0	1103	1157	2260
3	50.00	17.99	8.727	15.027	0.000	0.195	2.61	0.85	1.00	0.0	15.91	41.56	0.00	2467	0	1017	1051	2068
2	30.00	15.55	8.703	18.364	0.000	0.165	2.72	0.85	1.00	0.0	17.30	47.01	0.00	2890	0	994	908	1902
1	10.00	15.54	9.898	18.364	0.000	0.138	2.81	0.85	1.00	0.0	18.22	51.29	0.00	2411	0	1084	514	1598
														14062	0			12085

Site Number: 302536 Code: ANSI/TIA-222-G

Site Name: Cherry Hill-branford, CT Engineering Number: 13334427_C3_02 1/27/2021 10:07:39 AM

Customer: AT&T MOBILITY

Section Forces

LoadCase 1.2D + 1.6W 120 deg - Pat 1

101 mph 120 degree with No Ice - Pattern 1

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	23.25	2.173	2.396	0.000	0.190	2.63	1.00	1.00	0.0	3.55	9.32	0.00	244	0	295	138	433
7	112.08	22.66	5.776	7.595	0.000	0.175	2.68	1.00	1.00	0.0	10.11	27.11	0.00	1012	0	835	537	1373
6	102.08	22.07	1.448	1.989	0.000	0.171	2.70	1.00	1.00	0.0	2.58	6.96	0.00	299	0	209	159	368
5	90.00	21.29	7.213	11.667	0.000	0.191	2.63	1.00	1.00	0.0	13.90	36.48	0.00	2044	0	1056	1226	2282
4	70.00	19.81	9.525	15.000	0.000	0.243	2.46	1.00	1.00	0.0	18.07	44.46	0.00	2695	0	1198	1157	2355
3	50.00	17.99	8.727	15.027	0.000	0.195	2.61	1.00	1.00	0.0	17.22	44.98	0.00	2467	0	1101	1051	2152
2	30.00	15.55	8.703	18.364	0.000	0.165	2.72	1.00	1.00	0.0	18.60	50.55	0.00	2890	0	1069	908	1977
1	10.00	15.54	9.898	18.364	0.000	0.138	2.81	1.00	1.00	0.0	19.71	55.47	0.00	2411	0	1172	514	1686
														14062	0			12625

LoadCase 1.2D + 1.6W 120 deg - Pat 2

101 mph 120 degree with No Ice - Pattern 2

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

	Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
0	8	122.50	12.79	2.173	2.396	0.000	0.190	2.63	1.00	1.00	0.0	3.55	9.32	0.00	244	0	162	76	238
0	7	112.08	12.46	5.776	7.595	0.000	0.175	2.68	1.00	1.00	0.0	10.11	27.11	0.00	1012	0	459	296	755
0	6	102.08	12.14	1.448	1.989	0.000	0.171	2.70	1.00	1.00	0.0	2.58	6.96	0.00	299	0	115	88	202
0	5	90.00	11.71	7.213	11.667	0.000	0.191	2.63	1.00	1.00	0.0	13.90	36.48	0.00	2044	0	581	674	1255
0	4	70.00	10.90	9.525	15.000	0.000	0.243	2.46	1.00	1.00	0.0	18.07	44.46	0.00	2695	0	659	636	1295
0	3	50.00	9.90	8.727	15.027	0.000	0.195	2.61	1.00	1.00	0.0	17.22	44.98	0.00	2467	0	605	578	1183
0	2	30.00	8.55	8.703	18.364	0.000	0.165	2.72	1.00	1.00	0.0	18.60	50.55	0.00	2890	0	588	499	1088
0	1	10.00	8.55	9.898	18.364	0.000	0.138	2.81	1.00	1.00	0.0	19.71	55.47	0.00	2411	0	645	283	927
															14062	0			6944

LoadCase 1.2D + 1.6W 120 deg - Pat 3

101 mph 120 degree with No Ice - Pattern 3

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	23.25	2.173	2.396	0.000	0.190	2.63	1.00	1.00	0.0	3.55	9.32	0.00	244	0	295	138	433
7	112.08	22.66	5.776	7.595	0.000	0.175	2.68	1.00	1.00	0.0	10.11	27.11	0.00	1012	0	835	537	1373
6	102.08	22.07	1.448	1.989	0.000	0.171	2.70	1.00	1.00	0.0	2.58	6.96	0.00	299	0	209	159	368
5	90.00	21.29	7.213	11.667	0.000	0.191	2.63	1.00	1.00	0.0	13.90	36.48	0.00	2044	0	1056	1226	2282
4	70.00	19.81	9.525	15.000	0.000	0.243	2.46	1.00	1.00	0.0	18.07	44.46	0.00	2695	0	1198	1157	2355
3	50.00	17.99	8.727	15.027	0.000	0.195	2.61	1.00	1.00	0.0	17.22	44.98	0.00	2467	0	1101	1051	2152
2	30.00	15.55	8.703	18.364	0.000	0.165	2.72	1.00	1.00	0.0	18.60	50.55	0.00	2890	0	1069	908	1977
1	10.00	15.54	9.898	18.364	0.000	0.138	2.81	1.00	1.00	0.0	19.71	55.47	0.00	2411	0	1172	514	1686
														14062	0			12625

Section Forces

LoadCase 1.2D + 1.6W 180 deg - Pat 1

101 mph 180 degree with No Ice - Pattern 1

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	23.25	2.173	2.396	0.000	0.190	2.63	0.80	1.00	0.0	3.11	8.18	0.00	244	0	259	138	397
7	112.08	22.66	5.776	7.595	0.000	0.175	2.68	0.80	1.00	0.0	8.95	24.01	0.00	1012	0	740	537	1277
6	102.08	22.07	1.448	1.989	0.000	0.171	2.70	0.80	1.00	0.0	2.29	6.18	0.00	299	0	185	159	345
5	90.00	21.29	7.213	11.667	0.000	0.191	2.63	0.80	1.00	0.0	12.46	32.70	0.00	2044	0	947	1226	2172
4	70.00	19.81	9.525	15.000	0.000	0.243	2.46	0.80	1.00	0.0	16.17	39.77	0.00	2695	0	1072	1157	2228
3	50.00	17.99	8.727	15.027	0.000	0.195	2.61	0.80	1.00	0.0	15.47	40.42	0.00	2467	0	989	1051	2040
2	30.00	15.55	8.703	18.364	0.000	0.165	2.72	0.80	1.00	0.0	16.86	45.82	0.00	2890	0	969	908	1877
1	10.00	15.54	9.898	18.364	0.000	0.138	2.81	0.80	1.00	0.0	17.73	49.89	0.00	2411	0	1054	514	1568
														14062	0			11905

LoadCase 1.2D + 1.6W 180 deg - Pat 2

101 mph 180 degree with No Ice - Pattern 2

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

	Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
0	8	122.50	12.79	2.173	2.396	0.000	0.190	2.63	0.80	1.00	0.0	3.11	8.18	0.00	244	0	142	76	218
0	7	112.08	12.46	5.776	7.595	0.000	0.175	2.68	0.80	1.00	0.0	8.95	24.01	0.00	1012	0	407	296	703
0	6	102.08	12.14	1.448	1.989	0.000	0.171	2.70	0.80	1.00	0.0	2.29	6.18	0.00	299	0	102	88	190
0	5	90.00	11.71	7.213	11.667	0.000	0.191	2.63	0.80	1.00	0.0	12.46	32.70	0.00	2044	0	521	674	1195
0	4	70.00	10.90	9.525	15.000	0.000	0.243	2.46	0.80	1.00	0.0	16.17	39.77	0.00	2695	0	589	636	1226
0	3	50.00	9.90	8.727	15.027	0.000	0.195	2.61	0.80	1.00	0.0	15.47	40.42	0.00	2467	0	544	578	1122
0	2	30.00	8.55	8.703	18.364	0.000	0.165	2.72	0.80	1.00	0.0	16.86	45.82	0.00	2890	0	533	499	1032
0	1	10.00	8.55	9.898	18.364	0.000	0.138	2.81	0.80	1.00	0.0	17.73	49.89	0.00	2411	0	580	283	863
															14062	0			6548

LoadCase 1.2D + 1.6W 180 deg - Pat 3

101 mph 180 degree with No Ice - Pattern 3

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	23.25	2.173	2.396	0.000	0.190	2.63	0.80	1.00	0.0	3.11	8.18	0.00	244	0	259	138	397
7	112.08	22.66	5.776	7.595	0.000	0.175	2.68	0.80	1.00	0.0	8.95	24.01	0.00	1012	0	740	537	1277
6	102.08	22.07	1.448	1.989	0.000	0.171	2.70	0.80	1.00	0.0	2.29	6.18	0.00	299	0	185	159	345
5	90.00	21.29	7.213	11.667	0.000	0.191	2.63	0.80	1.00	0.0	12.46	32.70	0.00	2044	0	947	1226	2172
4	70.00	19.81	9.525	15.000	0.000	0.243	2.46	0.80	1.00	0.0	16.17	39.77	0.00	2695	0	1072	1157	2228
3	50.00	17.99	8.727	15.027	0.000	0.195	2.61	0.80	1.00	0.0	15.47	40.42	0.00	2467	0	989	1051	2040
2	30.00	15.55	8.703	18.364	0.000	0.165	2.72	0.80	1.00	0.0	16.86	45.82	0.00	2890	0	969	908	1877
1	10.00	15.54	9.898	18.364	0.000	0.138	2.81	0.80	1.00	0.0	17.73	49.89	0.00	2411	0	1054	514	1568
														14062	0			11905

Site Number: 302536 Code: ANSI/TIA-222-G

Site Name: Cherry Hill-branford, CT Engineering Number: 13334427_C3_02 1/27/2021 10:07:39 AM

Customer: AT&T MOBILITY

Section Forces

LoadCase 1.2D + 1.6W 210 deg - Pat 1

101 mph 210 degree with No Ice - Pattern 1

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	23.25	2.173	2.396	0.000	0.190	2.63	0.85	1.00	0.0	3.22	8.46	0.00	244	0	268	138	406
7	112.08	22.66	5.776	7.595	0.000	0.175	2.68	0.85	1.00	0.0	9.24	24.78	0.00	1012	0	764	537	1301
6	102.08	22.07	1.448	1.989	0.000	0.171	2.70	0.85	1.00	0.0	2.36	6.37	0.00	299	0	191	159	350
5	90.00	21.29	7.213	11.667	0.000	0.191	2.63	0.85	1.00	0.0	12.82	33.64	0.00	2044	0	974	1226	2200
4	70.00	19.81	9.525	15.000	0.000	0.243	2.46	0.85	1.00	0.0	16.65	40.94	0.00	2695	0	1103	1157	2260
3	50.00	17.99	8.727	15.027	0.000	0.195	2.61	0.85	1.00	0.0	15.91	41.56	0.00	2467	0	1017	1051	2068
2	30.00	15.55	8.703	18.364	0.000	0.165	2.72	0.85	1.00	0.0	17.30	47.01	0.00	2890	0	994	908	1902
1	10.00	15.54	9.898	18.364	0.000	0.138	2.81	0.85	1.00	0.0	18.22	51.29	0.00	2411	0	1084	514	1598
														14062	0			12085

LoadCase 1.2D + 1.6W 210 deg - Pat 2

101 mph 210 degree with No Ice - Pattern 2

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
0 8	122.50	12.79	2.173	2.396	0.000	0.190	2.63	0.85	1.00	0.0	3.22	8.46	0.00	244	0	147	76	223
0 7	112.08	12.46	5.776	7.595	0.000	0.175	2.68	0.85	1.00	0.0	9.24	24.78	0.00	1012	0	420	296	716
0 6	102.08	12.14	1.448	1.989	0.000	0.171	2.70	0.85	1.00	0.0	2.36	6.37	0.00	299	0	105	88	193
0 5	90.00	11.71	7.213	11.667	0.000	0.191	2.63	0.85	1.00	0.0	12.82	33.64	0.00	2044	0	536	674	1210
0 4	70.00	10.90	9.525	15.000	0.000	0.243	2.46	0.85	1.00	0.0	16.65	40.94	0.00	2695	0	607	636	1243
0 3	50.00	9.90	8.727	15.027	0.000	0.195	2.61	0.85	1.00	0.0	15.91	41.56	0.00	2467	0	559	578	1137
0 2	30.00	8.55	8.703	18.364	0.000	0.165	2.72	0.85	1.00	0.0	17.30	47.01	0.00	2890	0	547	499	1046
0 1	10.00	8.55	9.898	18.364	0.000	0.138	2.81	0.85	1.00	0.0	18.22	51.29	0.00	2411	0	596	283	879
														14062	0			6647

LoadCase 1.2D + 1.6W 210 deg - Pat 3

101 mph 210 degree with No Ice - Pattern 3

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	23.25	2.173	2.396	0.000	0.190	2.63	0.85	1.00	0.0	3.22	8.46	0.00	244	0	268	138	406
7	112.08	22.66	5.776	7.595	0.000	0.175	2.68	0.85	1.00	0.0	9.24	24.78	0.00	1012	0	764	537	1301
6	102.08	22.07	1.448	1.989	0.000	0.171	2.70	0.85	1.00	0.0	2.36	6.37	0.00	299	0	191	159	350
5	90.00	21.29	7.213	11.667	0.000	0.191	2.63	0.85	1.00	0.0	12.82	33.64	0.00	2044	0	974	1226	2200
4	70.00	19.81	9.525	15.000	0.000	0.243	2.46	0.85	1.00	0.0	16.65	40.94	0.00	2695	0	1103	1157	2260
3	50.00	17.99	8.727	15.027	0.000	0.195	2.61	0.85	1.00	0.0	15.91	41.56	0.00	2467	0	1017	1051	2068
2	30.00	15.55	8.703	18.364	0.000	0.165	2.72	0.85	1.00	0.0	17.30	47.01	0.00	2890	0	994	908	1902
1	10.00	15.54	9.898	18.364	0.000	0.138	2.81	0.85	1.00	0.0	18.22	51.29	0.00	2411	0	1084	514	1598
														14062	0			12085

Section Forces

LoadCase 1.2D + 1.6W 240 deg - Pat 1

101 mph 240 degree with No Ice - Pattern 1

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	23.25	2.173	2.396	0.000	0.190	2.63	1.00	1.00	0.0	3.55	9.32	0.00	244	0	295	138	433
7	112.08	22.66	5.776	7.595	0.000	0.175	2.68	1.00	1.00	0.0	10.11	27.11	0.00	1012	0	835	537	1373
6	102.08	22.07	1.448	1.989	0.000	0.171	2.70	1.00	1.00	0.0	2.58	6.96	0.00	299	0	209	159	368
5	90.00	21.29	7.213	11.667	0.000	0.191	2.63	1.00	1.00	0.0	13.90	36.48	0.00	2044	0	1056	1226	2282
4	70.00	19.81	9.525	15.000	0.000	0.243	2.46	1.00	1.00	0.0	18.07	44.46	0.00	2695	0	1198	1157	2355
3	50.00	17.99	8.727	15.027	0.000	0.195	2.61	1.00	1.00	0.0	17.22	44.98	0.00	2467	0	1101	1051	2152
2	30.00	15.55	8.703	18.364	0.000	0.165	2.72	1.00	1.00	0.0	18.60	50.55	0.00	2890	0	1069	908	1977
1	10.00	15.54	9.898	18.364	0.000	0.138	2.81	1.00	1.00	0.0	19.71	55.47	0.00	2411	0	1172	514	1686
														14062	0			12625

LoadCase 1.2D + 1.6W 240 deg - Pat 2

101 mph 240 degree with No Ice - Pattern 2

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

	Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
0	8	122.50	12.79	2.173	2.396	0.000	0.190	2.63	1.00	1.00	0.0	3.55	9.32	0.00	244	0	162	76	238
0	7	112.08	12.46	5.776	7.595	0.000	0.175	2.68	1.00	1.00	0.0	10.11	27.11	0.00	1012	0	459	296	755
0	6	102.08	12.14	1.448	1.989	0.000	0.171	2.70	1.00	1.00	0.0	2.58	6.96	0.00	299	0	115	88	202
0	5	90.00	11.71	7.213	11.667	0.000	0.191	2.63	1.00	1.00	0.0	13.90	36.48	0.00	2044	0	581	674	1255
0	4	70.00	10.90	9.525	15.000	0.000	0.243	2.46	1.00	1.00	0.0	18.07	44.46	0.00	2695	0	659	636	1295
0	3	50.00	9.90	8.727	15.027	0.000	0.195	2.61	1.00	1.00	0.0	17.22	44.98	0.00	2467	0	605	578	1183
0	2	30.00	8.55	8.703	18.364	0.000	0.165	2.72	1.00	1.00	0.0	18.60	50.55	0.00	2890	0	588	499	1088
0	1	10.00	8.55	9.898	18.364	0.000	0.138	2.81	1.00	1.00	0.0	19.71	55.47	0.00	2411	0	645	283	927
															14062	0			6944

LoadCase 1.2D + 1.6W 240 deg - Pat 3

101 mph 240 degree with No Ice - Pattern 3

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	23.25	2.173	2.396	0.000	0.190	2.63	1.00	1.00	0.0	3.55	9.32	0.00	244	0	295	138	433
7	112.08	22.66	5.776	7.595	0.000	0.175	2.68	1.00	1.00	0.0	10.11	27.11	0.00	1012	0	835	537	1373
6	102.08	22.07	1.448	1.989	0.000	0.171	2.70	1.00	1.00	0.0	2.58	6.96	0.00	299	0	209	159	368
5	90.00	21.29	7.213	11.667	0.000	0.191	2.63	1.00	1.00	0.0	13.90	36.48	0.00	2044	0	1056	1226	2282
4	70.00	19.81	9.525	15.000	0.000	0.243	2.46	1.00	1.00	0.0	18.07	44.46	0.00	2695	0	1198	1157	2355
3	50.00	17.99	8.727	15.027	0.000	0.195	2.61	1.00	1.00	0.0	17.22	44.98	0.00	2467	0	1101	1051	2152
2	30.00	15.55	8.703	18.364	0.000	0.165	2.72	1.00	1.00	0.0	18.60	50.55	0.00	2890	0	1069	908	1977
1	10.00	15.54	9.898	18.364	0.000	0.138	2.81	1.00	1.00	0.0	19.71	55.47	0.00	2411	0	1172	514	1686
														14062	0			12625

Site Number: 302536 Code: ANSI/TIA-222-G

Site Name: Cherry Hill-branford, CT Engineering Number: 13334427_C3_02 1/27/2021 10:07:39 AM

Customer: AT&T MOBILITY

Section Forces

LoadCase 1.2D + 1.6W 300 deg - Pat 1

101 mph 300 degree with No Ice - Pattern 1

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	23.25	2.173	2.396	0.000	0.190	2.63	0.80	1.00	0.0	3.11	8.18	0.00	244	0	259	138	397
7	112.08	22.66	5.776	7.595	0.000	0.175	2.68	0.80	1.00	0.0	8.95	24.01	0.00	1012	0	740	537	1277
6	102.08	22.07	1.448	1.989	0.000	0.171	2.70	0.80	1.00	0.0	2.29	6.18	0.00	299	0	185	159	345
5	90.00	21.29	7.213	11.667	0.000	0.191	2.63	0.80	1.00	0.0	12.46	32.70	0.00	2044	0	947	1226	2172
4	70.00	19.81	9.525	15.000	0.000	0.243	2.46	0.80	1.00	0.0	16.17	39.77	0.00	2695	0	1072	1157	2228
3	50.00	17.99	8.727	15.027	0.000	0.195	2.61	0.80	1.00	0.0	15.47	40.42	0.00	2467	0	989	1051	2040
2	30.00	15.55	8.703	18.364	0.000	0.165	2.72	0.80	1.00	0.0	16.86	45.82	0.00	2890	0	969	908	1877
1	10.00	15.54	9.898	18.364	0.000	0.138	2.81	0.80	1.00	0.0	17.73	49.89	0.00	2411	0	1054	514	1568
														14062	0			11905

LoadCase 1.2D + 1.6W 300 deg - Pat 2

101 mph 300 degree with No Ice - Pattern 2

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

	Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
0	8	122.50	12.79	2.173	2.396	0.000	0.190	2.63	0.80	1.00	0.0	3.11	8.18	0.00	244	0	142	76	218
0	7	112.08	12.46	5.776	7.595	0.000	0.175	2.68	0.80	1.00	0.0	8.95	24.01	0.00	1012	0	407	296	703
0	6	102.08	12.14	1.448	1.989	0.000	0.171	2.70	0.80	1.00	0.0	2.29	6.18	0.00	299	0	102	88	190
0	5	90.00	11.71	7.213	11.667	0.000	0.191	2.63	0.80	1.00	0.0	12.46	32.70	0.00	2044	0	521	674	1195
0	4	70.00	10.90	9.525	15.000	0.000	0.243	2.46	0.80	1.00	0.0	16.17	39.77	0.00	2695	0	589	636	1226
0	3	50.00	9.90	8.727	15.027	0.000	0.195	2.61	0.80	1.00	0.0	15.47	40.42	0.00	2467	0	544	578	1122
0	2	30.00	8.55	8.703	18.364	0.000	0.165	2.72	0.80	1.00	0.0	16.86	45.82	0.00	2890	0	533	499	1032
0	1	10.00	8.55	9.898	18.364	0.000	0.138	2.81	0.80	1.00	0.0	17.73	49.89	0.00	2411	0	580	283	863
															14062	0			6548

LoadCase 1.2D + 1.6W 300 deg - Pat 3

101 mph 300 degree with No Ice - Pattern 3

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	23.25	2.173	2.396	0.000	0.190	2.63	0.80	1.00	0.0	3.11	8.18	0.00	244	0	259	138	397
7	112.08	22.66	5.776	7.595	0.000	0.175	2.68	0.80	1.00	0.0	8.95	24.01	0.00	1012	0	740	537	1277
6	102.08	22.07	1.448	1.989	0.000	0.171	2.70	0.80	1.00	0.0	2.29	6.18	0.00	299	0	185	159	345
5	90.00	21.29	7.213	11.667	0.000	0.191	2.63	0.80	1.00	0.0	12.46	32.70	0.00	2044	0	947	1226	2172
4	70.00	19.81	9.525	15.000	0.000	0.243	2.46	0.80	1.00	0.0	16.17	39.77	0.00	2695	0	1072	1157	2228
3	50.00	17.99	8.727	15.027	0.000	0.195	2.61	0.80	1.00	0.0	15.47	40.42	0.00	2467	0	989	1051	2040
2	30.00	15.55	8.703	18.364	0.000	0.165	2.72	0.80	1.00	0.0	16.86	45.82	0.00	2890	0	969	908	1877
1	10.00	15.54	9.898	18.364	0.000	0.138	2.81	0.80	1.00	0.0	17.73	49.89	0.00	2411	0	1054	514	1568
														14062	0			11905

Site Number: 302536 Code: ANSI/TIA-222-G

Site Name: Cherry Hill-branford, CT Engineering Number: 13334427_C3_02 1/27/2021 10:07:39 AM

Customer: AT&T MOBILITY

Section Forces

LoadCase 1.2D + 1.6W 330 deg - Pat 1

101 mph 330 degree with No Ice - Pattern 1

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	23.25	2.173	2.396	0.000	0.190	2.63	0.85	1.00	0.0	3.22	8.46	0.00	244	0	268	138	406
7	112.08	22.66	5.776	7.595	0.000	0.175	2.68	0.85	1.00	0.0	9.24	24.78	0.00	1012	0	764	537	1301
6	102.08	22.07	1.448	1.989	0.000	0.171	2.70	0.85	1.00	0.0	2.36	6.37	0.00	299	0	191	159	350
5	90.00	21.29	7.213	11.667	0.000	0.191	2.63	0.85	1.00	0.0	12.82	33.64	0.00	2044	0	974	1226	2200
4	70.00	19.81	9.525	15.000	0.000	0.243	2.46	0.85	1.00	0.0	16.65	40.94	0.00	2695	0	1103	1157	2260
3	50.00	17.99	8.727	15.027	0.000	0.195	2.61	0.85	1.00	0.0	15.91	41.56	0.00	2467	0	1017	1051	2068
2	30.00	15.55	8.703	18.364	0.000	0.165	2.72	0.85	1.00	0.0	17.30	47.01	0.00	2890	0	994	908	1902
1	10.00	15.54	9.898	18.364	0.000	0.138	2.81	0.85	1.00	0.0	18.22	51.29	0.00	2411	0	1084	514	1598
														14062	0			12085

LoadCase 1.2D + 1.6W 330 deg - Pat 2

101 mph 330 degree with No Ice - Pattern 2

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

	Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
0	8	122.50	12.79	2.173	2.396	0.000	0.190	2.63	0.85	1.00	0.0	3.22	8.46	0.00	244	0	147	76	223
0	7	112.08	12.46	5.776	7.595	0.000	0.175	2.68	0.85	1.00	0.0	9.24	24.78	0.00	1012	0	420	296	716
0	6	102.08	12.14	1.448	1.989	0.000	0.171	2.70	0.85	1.00	0.0	2.36	6.37	0.00	299	0	105	88	193
0	5	90.00	11.71	7.213	11.667	0.000	0.191	2.63	0.85	1.00	0.0	12.82	33.64	0.00	2044	0	536	674	1210
0	4	70.00	10.90	9.525	15.000	0.000	0.243	2.46	0.85	1.00	0.0	16.65	40.94	0.00	2695	0	607	636	1243
0	3	50.00	9.90	8.727	15.027	0.000	0.195	2.61	0.85	1.00	0.0	15.91	41.56	0.00	2467	0	559	578	1137
0	2	30.00	8.55	8.703	18.364	0.000	0.165	2.72	0.85	1.00	0.0	17.30	47.01	0.00	2890	0	547	499	1046
0	1	10.00	8.55	9.898	18.364	0.000	0.138	2.81	0.85	1.00	0.0	18.22	51.29	0.00	2411	0	596	283	879
															14062	0			6647

LoadCase 1.2D + 1.6W 330 deg - Pat 3

101 mph 330 degree with No Ice - Pattern 3

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	23.25	2.173	2.396	0.000	0.190	2.63	0.85	1.00	0.0	3.22	8.46	0.00	244	0	268	138	406
7	112.08	22.66	5.776	7.595	0.000	0.175	2.68	0.85	1.00	0.0	9.24	24.78	0.00	1012	0	764	537	1301
6	102.08	22.07	1.448	1.989	0.000	0.171	2.70	0.85	1.00	0.0	2.36	6.37	0.00	299	0	191	159	350
5	90.00	21.29	7.213	11.667	0.000	0.191	2.63	0.85	1.00	0.0	12.82	33.64	0.00	2044	0	974	1226	2200
4	70.00	19.81	9.525	15.000	0.000	0.243	2.46	0.85	1.00	0.0	16.65	40.94	0.00	2695	0	1103	1157	2260
3	50.00	17.99	8.727	15.027	0.000	0.195	2.61	0.85	1.00	0.0	15.91	41.56	0.00	2467	0	1017	1051	2068
2	30.00	15.55	8.703	18.364	0.000	0.165	2.72	0.85	1.00	0.0	17.30	47.01	0.00	2890	0	994	908	1902
1	10.00	15.54	9.898	18.364	0.000	0.138	2.81	0.85	1.00	0.0	18.22	51.29	0.00	2411	0	1084	514	1598
														14062	0			12085

Site Number: 302536 Code: ANSI/TIA-222-G

Site Name: Cherry Hill-branford, CT Engineering Number: 13334427_C3_02 1/27/2021 10:07:39 AM

Customer: AT&T MOBILITY

Section Forces

LoadCase 0.9D + 1.6W Normal

101 mph Normal with No Ice (Reduced DL)

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	23.25	2.173	2.396	0.000	0.190	2.63	1.00	1.00	0.0	3.55	9.32	0.00	183	0	295	138	433
7	112.08	22.66	5.776	7.595	0.000	0.175	2.68	1.00	1.00	0.0	10.11	27.11	0.00	759	0	835	537	1373
6	102.08	22.07	1.448	1.989	0.000	0.171	2.70	1.00	1.00	0.0	2.58	6.96	0.00	224	0	209	159	368
5	90.00	21.29	7.213	11.667	0.000	0.191	2.63	1.00	1.00	0.0	13.90	36.48	0.00	1533	0	1056	1226	2282
4	70.00	19.81	9.525	15.000	0.000	0.243	2.46	1.00	1.00	0.0	18.07	44.46	0.00	2021	0	1198	1157	2355
3	50.00	17.99	8.727	15.027	0.000	0.195	2.61	1.00	1.00	0.0	17.22	44.98	0.00	1850	0	1101	1051	2152
2	30.00	15.55	8.703	18.364	0.000	0.165	2.72	1.00	1.00	0.0	18.60	50.55	0.00	2168	0	1069	908	1977
1	10.00	15.54	9.898	18.364	0.000	0.138	2.81	1.00	1.00	0.0	19.71	55.47	0.00	1808	0	1172	514	1686
														10546	0			12625

LoadCase 0.9D + 1.6W 60 deg

101 mph 60 deg with No Ice (Reduced DL)

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	23.25	2.173	2.396	0.000	0.190	2.63	0.80	1.00	0.0	3.11	8.18	0.00	183	0	259	138	397
7	112.08	22.66	5.776	7.595	0.000	0.175	2.68	0.80	1.00	0.0	8.95	24.01	0.00	759	0	740	537	1277
6	102.08	22.07	1.448	1.989	0.000	0.171	2.70	0.80	1.00	0.0	2.29	6.18	0.00	224	0	185	159	345
5	90.00	21.29	7.213	11.667	0.000	0.191	2.63	0.80	1.00	0.0	12.46	32.70	0.00	1533	0	947	1226	2172
4	70.00	19.81	9.525	15.000	0.000	0.243	2.46	0.80	1.00	0.0	16.17	39.77	0.00	2021	0	1072	1157	2228
3	50.00	17.99	8.727	15.027	0.000	0.195	2.61	0.80	1.00	0.0	15.47	40.42	0.00	1850	0	989	1051	2040
2	30.00	15.55	8.703	18.364	0.000	0.165	2.72	0.80	1.00	0.0	16.86	45.82	0.00	2168	0	969	908	1877
1	10.00	15.54	9.898	18.364	0.000	0.138	2.81	0.80	1.00	0.0	17.73	49.89	0.00	1808	0	1054	514	1568
														10546	0			11905

LoadCase 0.9D + 1.6W 90 deg

101 mph 90 deg with No Ice (Reduced DL)

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	23.25	2.173	2.396	0.000	0.190	2.63	0.85	1.00	0.0	3.22	8.46	0.00	183	0	268	138	406
7	112.08	22.66	5.776	7.595	0.000	0.175	2.68	0.85	1.00	0.0	9.24	24.78	0.00	759	0	764	537	1301
6	102.08	22.07	1.448	1.989	0.000	0.171	2.70	0.85	1.00	0.0	2.36	6.37	0.00	224	0	191	159	350
5	90.00	21.29	7.213	11.667	0.000	0.191	2.63	0.85	1.00	0.0	12.82	33.64	0.00	1533	0	974	1226	2200
4	70.00	19.81	9.525	15.000	0.000	0.243	2.46	0.85	1.00	0.0	16.65	40.94	0.00	2021	0	1103	1157	2260
3	50.00	17.99	8.727	15.027	0.000	0.195	2.61	0.85	1.00	0.0	15.91	41.56	0.00	1850	0	1017	1051	2068
2	30.00	15.55	8.703	18.364	0.000	0.165	2.72	0.85	1.00	0.0	17.30	47.01	0.00	2168	0	994	908	1902
1	10.00	15.54	9.898	18.364	0.000	0.138	2.81	0.85	1.00	0.0	18.22	51.29	0.00	1808	0	1084	514	1598
														10546	0			12085

Section Forces

LoadCase 0.9D + 1.6W 120 deg

101 mph 120 deg with No Ice (Reduced DL)

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	23.25	2.173	2.396	0.000	0.190	2.63	1.00	1.00	0.0	3.55	9.32	0.00	183	0	295	138	433
7	112.08	22.66	5.776	7.595	0.000	0.175	2.68	1.00	1.00	0.0	10.11	27.11	0.00	759	0	835	537	1373
6	102.08	22.07	1.448	1.989	0.000	0.171	2.70	1.00	1.00	0.0	2.58	6.96	0.00	224	0	209	159	368
5	90.00	21.29	7.213	11.667	0.000	0.191	2.63	1.00	1.00	0.0	13.90	36.48	0.00	1533	0	1056	1226	2282
4	70.00	19.81	9.525	15.000	0.000	0.243	2.46	1.00	1.00	0.0	18.07	44.46	0.00	2021	0	1198	1157	2355
3	50.00	17.99	8.727	15.027	0.000	0.195	2.61	1.00	1.00	0.0	17.22	44.98	0.00	1850	0	1101	1051	2152
2	30.00	15.55	8.703	18.364	0.000	0.165	2.72	1.00	1.00	0.0	18.60	50.55	0.00	2168	0	1069	908	1977
1	10.00	15.54	9.898	18.364	0.000	0.138	2.81	1.00	1.00	0.0	19.71	55.47	0.00	1808	0	1172	514	1686
														10546	0			12625

LoadCase 0.9D + 1.6W 180 deg

101 mph 180 deg with No Ice (Reduced DL)

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	23.25	2.173	2.396	0.000	0.190	2.63	0.80	1.00	0.0	3.11	8.18	0.00	183	0	259	138	397
7	112.08	22.66	5.776	7.595	0.000	0.175	2.68	0.80	1.00	0.0	8.95	24.01	0.00	759	0	740	537	1277
6	102.08	22.07	1.448	1.989	0.000	0.171	2.70	0.80	1.00	0.0	2.29	6.18	0.00	224	0	185	159	345
5	90.00	21.29	7.213	11.667	0.000	0.191	2.63	0.80	1.00	0.0	12.46	32.70	0.00	1533	0	947	1226	2172
4	70.00	19.81	9.525	15.000	0.000	0.243	2.46	0.80	1.00	0.0	16.17	39.77	0.00	2021	0	1072	1157	2228
3	50.00	17.99	8.727	15.027	0.000	0.195	2.61	0.80	1.00	0.0	15.47	40.42	0.00	1850	0	989	1051	2040
2	30.00	15.55	8.703	18.364	0.000	0.165	2.72	0.80	1.00	0.0	16.86	45.82	0.00	2168	0	969	908	1877
1	10.00	15.54	9.898	18.364	0.000	0.138	2.81	0.80	1.00	0.0	17.73	49.89	0.00	1808	0	1054	514	1568
														10546	0			11905

LoadCase 0.9D + 1.6W 210 deg

101 mph 210 deg with No Ice (Reduced DL)

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	23.25	2.173	2.396	0.000	0.190	2.63	0.85	1.00	0.0	3.22	8.46	0.00	183	0	268	138	406
7	112.08	22.66	5.776	7.595	0.000	0.175	2.68	0.85	1.00	0.0	9.24	24.78	0.00	759	0	764	537	1301
6	102.08	22.07	1.448	1.989	0.000	0.171	2.70	0.85	1.00	0.0	2.36	6.37	0.00	224	0	191	159	350
5	90.00	21.29	7.213	11.667	0.000	0.191	2.63	0.85	1.00	0.0	12.82	33.64	0.00	1533	0	974	1226	2200
4	70.00	19.81	9.525	15.000	0.000	0.243	2.46	0.85	1.00	0.0	16.65	40.94	0.00	2021	0	1103	1157	2260
3	50.00	17.99	8.727	15.027	0.000	0.195	2.61	0.85	1.00	0.0	15.91	41.56	0.00	1850	0	1017	1051	2068
2	30.00	15.55	8.703	18.364	0.000	0.165	2.72	0.85	1.00	0.0	17.30	47.01	0.00	2168	0	994	908	1902
1	10.00	15.54	9.898	18.364	0.000	0.138	2.81	0.85	1.00	0.0	18.22	51.29	0.00	1808	0	1084	514	1598
														10546	0			12085

Site Number: 302536 Code: ANSI/TIA-222-G

Site Name: Cherry Hill-branford, CT Engineering Number: 13334427_C3_02 1/27/2021 10:07:39 AM

Customer: AT&T MOBILITY

Section Forces

LoadCase 0.9D + 1.6W 240 deg

101 mph 240 deg with No Ice (Reduced DL)

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	23.25	2.173	2.396	0.000	0.190	2.63	1.00	1.00	0.0	3.55	9.32	0.00	183	0	295	138	433
7	112.08	22.66	5.776	7.595	0.000	0.175	2.68	1.00	1.00	0.0	10.11	27.11	0.00	759	0	835	537	1373
6	102.08	22.07	1.448	1.989	0.000	0.171	2.70	1.00	1.00	0.0	2.58	6.96	0.00	224	0	209	159	368
5	90.00	21.29	7.213	11.667	0.000	0.191	2.63	1.00	1.00	0.0	13.90	36.48	0.00	1533	0	1056	1226	2282
4	70.00	19.81	9.525	15.000	0.000	0.243	2.46	1.00	1.00	0.0	18.07	44.46	0.00	2021	0	1198	1157	2355
3	50.00	17.99	8.727	15.027	0.000	0.195	2.61	1.00	1.00	0.0	17.22	44.98	0.00	1850	0	1101	1051	2152
2	30.00	15.55	8.703	18.364	0.000	0.165	2.72	1.00	1.00	0.0	18.60	50.55	0.00	2168	0	1069	908	1977
1	10.00	15.54	9.898	18.364	0.000	0.138	2.81	1.00	1.00	0.0	19.71	55.47	0.00	1808	0	1172	514	1686
														10546	0			12625

LoadCase 0.9D + 1.6W 300 deg

101 mph 300 deg with No Ice (Reduced DL)

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	23.25	2.173	2.396	0.000	0.190	2.63	0.80	1.00	0.0	3.11	8.18	0.00	183	0	259	138	397
7	112.08	22.66	5.776	7.595	0.000	0.175	2.68	0.80	1.00	0.0	8.95	24.01	0.00	759	0	740	537	1277
6	102.08	22.07	1.448	1.989	0.000	0.171	2.70	0.80	1.00	0.0	2.29	6.18	0.00	224	0	185	159	345
5	90.00	21.29	7.213	11.667	0.000	0.191	2.63	0.80	1.00	0.0	12.46	32.70	0.00	1533	0	947	1226	2172
4	70.00	19.81	9.525	15.000	0.000	0.243	2.46	0.80	1.00	0.0	16.17	39.77	0.00	2021	0	1072	1157	2228
3	50.00	17.99	8.727	15.027	0.000	0.195	2.61	0.80	1.00	0.0	15.47	40.42	0.00	1850	0	989	1051	2040
2	30.00	15.55	8.703	18.364	0.000	0.165	2.72	0.80	1.00	0.0	16.86	45.82	0.00	2168	0	969	908	1877
1	10.00	15.54	9.898	18.364	0.000	0.138	2.81	0.80	1.00	0.0	17.73	49.89	0.00	1808	0	1054	514	1568
														10546	0			11905

LoadCase 0.9D + 1.6W 330 deg

101 mph 330 deg with No Ice (Reduced DL)

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	23.25	2.173	2.396	0.000	0.190	2.63	0.85	1.00	0.0	3.22	8.46	0.00	183	0	268	138	406
7	112.08	22.66	5.776	7.595	0.000	0.175	2.68	0.85	1.00	0.0	9.24	24.78	0.00	759	0	764	537	1301
6	102.08	22.07	1.448	1.989	0.000	0.171	2.70	0.85	1.00	0.0	2.36	6.37	0.00	224	0	191	159	350
5	90.00	21.29	7.213	11.667	0.000	0.191	2.63	0.85	1.00	0.0	12.82	33.64	0.00	1533	0	974	1226	2200
4	70.00	19.81	9.525	15.000	0.000	0.243	2.46	0.85	1.00	0.0	16.65	40.94	0.00	2021	0	1103	1157	2260
3	50.00	17.99	8.727	15.027	0.000	0.195	2.61	0.85	1.00	0.0	15.91	41.56	0.00	1850	0	1017	1051	2068
2	30.00	15.55	8.703	18.364	0.000	0.165	2.72	0.85	1.00	0.0	17.30	47.01	0.00	2168	0	994	908	1902
1	10.00	15.54	9.898	18.364	0.000	0.138	2.81	0.85	1.00	0.0	18.22	51.29	0.00	1808	0	1084	514	1598
														10546	0			12085

Site Number: 302536 Code: ANSI/TIA-222-G

Site Name: Cherry Hill-branford, CT Engineering Number: 13334427_C3_02 1/27/2021 10:07:39 AM

Customer: AT&T MOBILITY

Section Forces

LoadCase 1.2D + 1.0Di + 1.0Wi Normal — 50 mph Normal with 0.75 in Radial Ice

Gust Response Factor (Gh): 0.85 Ice Dead Load Factor 1.00 Ice Importance Factor : 1.00

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	5.70	2.173	10.406	8.010	0.494	1.91	1.00	1.00	1.7	9.27	17.68	8.01	1113	869	86	72	158
7	112.08	5.55	5.776	30.145	22.55	0.444	1.98	1.00	1.00	1.7	25.57	50.70	22.55	4064	3052	239	292	531
6	102.08	5.41	1.448	7.687	5.699	0.430	2.01	1.00	1.00	1.7	6.44	12.93	5.70	1180	882	59	86	145
5	90.00	5.22	7.213	39.476	27.81	0.448	1.98	1.00	1.00	1.7	33.20	65.63	27.81	7408	5364	291	573	864
4	70.00	4.86	9.525	42.195	27.19	0.486	1.92	1.00	1.00	1.6	38.11	73.13	27.19	8265	5570	302	496	798
3	50.00	4.41	8.727	44.739	29.71	0.421	2.02	1.00	1.00	1.6	37.61	76.12	29.71	7769	5302	285	496	781
2	30.00	3.81	8.703	46.435	28.07	0.326	2.23	1.00	1.00	1.5	36.91	82.27	28.07	7914	5024	267	482	748
1	10.00	3.81	9.898	42.921	24.55	0.253	2.43	1.00	1.00	1.3	35.04	85.08	24.56	5582	3172	275	272	548
														43295	29234			4573

LoadCase 1.2D + 1.0Di + 1.0Wi 60 deg — 50 mph 60 deg with 0.75 in Radial Ice

Gust Response Factor (Gh): 0.85 Ice Dead Load Factor 1.00 Ice Importance Factor : 1.00

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	5.70	2.173	10.406	8.010	0.494	1.91	0.80	1.00	1.7	8.84	16.85	8.01	1113	869	82	72	154
7	112.08	5.55	5.776	30.145	22.55	0.444	1.98	0.80	1.00	1.7	24.41	48.41	22.55	4064	3052	229	292	520
6	102.08	5.41	1.448	7.687	5.699	0.430	2.01	0.80	1.00	1.7	6.15	12.35	5.70	1180	882	57	86	142
5	90.00	5.22	7.213	39.476	27.81	0.448	1.98	0.80	1.00	1.7	31.76	62.78	27.81	7408	5364	278	573	851
4	70.00	4.86	9.525	42.195	27.19	0.486	1.92	0.80	1.00	1.6	36.21	69.48	27.19	8265	5570	287	496	783
3	50.00	4.41	8.727	44.739	29.71	0.421	2.02	0.80	1.00	1.6	35.86	72.58	29.71	7769	5302	272	496	768
2	30.00	3.81	8.703	46.435	28.07	0.326	2.23	0.80	1.00	1.5	35.17	78.39	28.07	7914	5024	254	482	736
1	10.00	3.81	9.898	42.921	24.55	0.253	2.43	0.80	1.00	1.3	33.06	80.27	24.56	5582	3172	260	272	532
														43295	29234			4486

LoadCase 1.2D + 1.0Di + 1.0Wi 90 deg — 50 mph 90 deg with 0.75 in Radial Ice

Gust Response Factor (Gh): 0.85 Ice Dead Load Factor 1.00 Ice Importance Factor : 1.00

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	5.70	2.173	10.406	8.010	0.494	1.91	0.85	1.00	1.7	8.94	17.06	8.01	1113	869	83	72	155
7	112.08	5.55	5.776	30.145	22.55	0.444	1.98	0.85	1.00	1.7	24.70	48.98	22.55	4064	3052	231	292	523
6	102.08	5.41	1.448	7.687	5.699	0.430	2.01	0.85	1.00	1.7	6.23	12.50	5.70	1180	882	57	86	143
5	90.00	5.22	7.213	39.476	27.81	0.448	1.98	0.85	1.00	1.7	32.12	63.49	27.81	7408	5364	282	573	854
4	70.00	4.86	9.525	42.195	27.19	0.486	1.92	0.85	1.00	1.6	36.68	70.39	27.19	8265	5570	291	496	787
3	50.00	4.41	8.727	44.739	29.71	0.421	2.02	0.85	1.00	1.6	36.30	73.47	29.71	7769	5302	275	496	771
2	30.00	3.81	8.703	46.435	28.07	0.326	2.23	0.85	1.00	1.5	35.60	79.36	28.07	7914	5024	257	482	739
1	10.00	3.81	9.898	42.921	24.55	0.253	2.43	0.85	1.00	1.3	33.56	81.47	24.56	5582	3172	264	272	536
														43295	29234			4508

Site Number: 302536 Code: ANSI/TIA-222-G

Site Name: Cherry Hill-branford, CT Engineering Number: 13334427_C3_02 1/27/2021 10:07:39 AM

Customer: AT&T MOBILITY

Section Forces

LoadCase 1.2D + 1.0Di + 1.0Wi 120 deg — 50 mph 120 deg with 0.75 in Radial Ice

Gust Response Factor (Gh): 0.85 Ice Dead Load Factor 1.00 Ice Importance Factor : 1.00

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	5.70	2.173	10.406	8.010	0.494	1.91	1.00	1.00	1.7	9.27	17.68	8.01	1113	869	86	72	158
7	112.08	5.55	5.776	30.145	22.55	0.444	1.98	1.00	1.00	1.7	25.57	50.70	22.55	4064	3052	239	292	531
6	102.08	5.41	1.448	7.687	5.699	0.430	2.01	1.00	1.00	1.7	6.44	12.93	5.70	1180	882	59	86	145
5	90.00	5.22	7.213	39.476	27.81	0.448	1.98	1.00	1.00	1.7	33.20	65.63	27.81	7408	5364	291	573	864
4	70.00	4.86	9.525	42.195	27.19	0.486	1.92	1.00	1.00	1.6	38.11	73.13	27.19	8265	5570	302	496	798
3	50.00	4.41	8.727	44.739	29.71	0.421	2.02	1.00	1.00	1.6	37.61	76.12	29.71	7769	5302	285	496	781
2	30.00	3.81	8.703	46.435	28.07	0.326	2.23	1.00	1.00	1.5	36.91	82.27	28.07	7914	5024	267	482	748
1	10.00	3.81	9.898	42.921	24.55	0.253	2.43	1.00	1.00	1.3	35.04	85.08	24.56	5582	3172	275	272	548
														43295	29234			4573

LoadCase 1.2D + 1.0Di + 1.0Wi 180 deg — 50 mph 180 deg with 0.75 in Radial Ice

Gust Response Factor (Gh): 0.85 Ice Dead Load Factor 1.00 Ice Importance Factor : 1.00

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	5.70	2.173	10.406	8.010	0.494	1.91	0.80	1.00	1.7	8.84	16.85	8.01	1113	869	82	72	154
7	112.08	5.55	5.776	30.145	22.55	0.444	1.98	0.80	1.00	1.7	24.41	48.41	22.55	4064	3052	229	292	520
6	102.08	5.41	1.448	7.687	5.699	0.430	2.01	0.80	1.00	1.7	6.15	12.35	5.70	1180	882	57	86	142
5	90.00	5.22	7.213	39.476	27.81	0.448	1.98	0.80	1.00	1.7	31.76	62.78	27.81	7408	5364	278	573	851
4	70.00	4.86	9.525	42.195	27.19	0.486	1.92	0.80	1.00	1.6	36.21	69.48	27.19	8265	5570	287	496	783
3	50.00	4.41	8.727	44.739	29.71	0.421	2.02	0.80	1.00	1.6	35.86	72.58	29.71	7769	5302	272	496	768
2	30.00	3.81	8.703	46.435	28.07	0.326	2.23	0.80	1.00	1.5	35.17	78.39	28.07	7914	5024	254	482	736
1	10.00	3.81	9.898	42.921	24.55	0.253	2.43	0.80	1.00	1.3	33.06	80.27	24.56	5582	3172	260	272	532
														43295	29234			4486

LoadCase 1.2D + 1.0Di + 1.0Wi 210 deg — 50 mph 210 deg with 0.75 in Radial Ice

Gust Response Factor (Gh): 0.85 Ice Dead Load Factor 1.00 Ice Importance Factor : 1.00

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	5.70	2.173	10.406	8.010	0.494	1.91	0.85	1.00	1.7	8.94	17.06	8.01	1113	869	83	72	155
7	112.08	5.55	5.776	30.145	22.55	0.444	1.98	0.85	1.00	1.7	24.70	48.98	22.55	4064	3052	231	292	523
6	102.08	5.41	1.448	7.687	5.699	0.430	2.01	0.85	1.00	1.7	6.23	12.50	5.70	1180	882	57	86	143
5	90.00	5.22	7.213	39.476	27.81	0.448	1.98	0.85	1.00	1.7	32.12	63.49	27.81	7408	5364	282	573	854
4	70.00	4.86	9.525	42.195	27.19	0.486	1.92	0.85	1.00	1.6	36.68	70.39	27.19	8265	5570	291	496	787
3	50.00	4.41	8.727	44.739	29.71	0.421	2.02	0.85	1.00	1.6	36.30	73.47	29.71	7769	5302	275	496	771
2	30.00	3.81	8.703	46.435	28.07	0.326	2.23	0.85	1.00	1.5	35.60	79.36	28.07	7914	5024	257	482	739
1	10.00	3.81	9.898	42.921	24.55	0.253	2.43	0.85	1.00	1.3	33.56	81.47	24.56	5582	3172	264	272	536
														43295	29234			4508

Site Number: 302536 Code: ANSI/TIA-222-G

Site Name: Cherry Hill-branford, CT Engineering Number: 13334427_C3_02 1/27/2021 10:07:39 AM

Customer: AT&T MOBILITY

Section Forces

LoadCase 1.2D + 1.0Di + 1.0Wi 240 deg — 50 mph 240 deg with 0.75 in Radial Ice

Gust Response Factor (Gh): 0.85 Ice Dead Load Factor 1.00 Ice Importance Factor : 1.00

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	5.70	2.173	10.406	8.010	0.494	1.91	1.00	1.00	1.7	9.27	17.68	8.01	1113	869	86	72	158
7	112.08	5.55	5.776	30.145	22.55	0.444	1.98	1.00	1.00	1.7	25.57	50.70	22.55	4064	3052	239	292	531
6	102.08	5.41	1.448	7.687	5.699	0.430	2.01	1.00	1.00	1.7	6.44	12.93	5.70	1180	882	59	86	145
5	90.00	5.22	7.213	39.476	27.81	0.448	1.98	1.00	1.00	1.7	33.20	65.63	27.81	7408	5364	291	573	864
4	70.00	4.86	9.525	42.195	27.19	0.486	1.92	1.00	1.00	1.6	38.11	73.13	27.19	8265	5570	302	496	798
3	50.00	4.41	8.727	44.739	29.71	0.421	2.02	1.00	1.00	1.6	37.61	76.12	29.71	7769	5302	285	496	781
2	30.00	3.81	8.703	46.435	28.07	0.326	2.23	1.00	1.00	1.5	36.91	82.27	28.07	7914	5024	267	482	748
1	10.00	3.81	9.898	42.921	24.55	0.253	2.43	1.00	1.00	1.3	35.04	85.08	24.56	5582	3172	275	272	548
														43295	29234			4573

LoadCase 1.2D + 1.0Di + 1.0Wi 300 deg — 50 mph 300 deg with 0.75 in Radial Ice

Gust Response Factor (Gh): 0.85 Ice Dead Load Factor 1.00 Ice Importance Factor : 1.00

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	5.70	2.173	10.406	8.010	0.494	1.91	0.80	1.00	1.7	8.84	16.85	8.01	1113	869	82	72	154
7	112.08	5.55	5.776	30.145	22.55	0.444	1.98	0.80	1.00	1.7	24.41	48.41	22.55	4064	3052	229	292	520
6	102.08	5.41	1.448	7.687	5.699	0.430	2.01	0.80	1.00	1.7	6.15	12.35	5.70	1180	882	57	86	142
5	90.00	5.22	7.213	39.476	27.81	0.448	1.98	0.80	1.00	1.7	31.76	62.78	27.81	7408	5364	278	573	851
4	70.00	4.86	9.525	42.195	27.19	0.486	1.92	0.80	1.00	1.6	36.21	69.48	27.19	8265	5570	287	496	783
3	50.00	4.41	8.727	44.739	29.71	0.421	2.02	0.80	1.00	1.6	35.86	72.58	29.71	7769	5302	272	496	768
2	30.00	3.81	8.703	46.435	28.07	0.326	2.23	0.80	1.00	1.5	35.17	78.39	28.07	7914	5024	254	482	736
1	10.00	3.81	9.898	42.921	24.55	0.253	2.43	0.80	1.00	1.3	33.06	80.27	24.56	5582	3172	260	272	532
														43295	29234			4486

LoadCase 1.2D + 1.0Di + 1.0Wi 330 deg — 50 mph 330 deg with 0.75 in Radial Ice

Gust Response Factor (Gh): 0.85 Ice Dead Load Factor 1.00 Ice Importance Factor : 1.00

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	5.70	2.173	10.406	8.010	0.494	1.91	0.85	1.00	1.7	8.94	17.06	8.01	1113	869	83	72	155
7	112.08	5.55	5.776	30.145	22.55	0.444	1.98	0.85	1.00	1.7	24.70	48.98	22.55	4064	3052	231	292	523
6	102.08	5.41	1.448	7.687	5.699	0.430	2.01	0.85	1.00	1.7	6.23	12.50	5.70	1180	882	57	86	143
5	90.00	5.22	7.213	39.476	27.81	0.448	1.98	0.85	1.00	1.7	32.12	63.49	27.81	7408	5364	282	573	854
4	70.00	4.86	9.525	42.195	27.19	0.486	1.92	0.85	1.00	1.6	36.68	70.39	27.19	8265	5570	291	496	787
3	50.00	4.41	8.727	44.739	29.71	0.421	2.02	0.85	1.00	1.6	36.30	73.47	29.71	7769	5302	275	496	771
2	30.00	3.81	8.703	46.435	28.07	0.326	2.23	0.85	1.00	1.5	35.60	79.36	28.07	7914	5024	257	482	739
1	10.00	3.81	9.898	42.921	24.55	0.253	2.43	0.85	1.00	1.3	33.56	81.47	24.56	5582	3172	264	272	536
														43295	29234			4508

Section Forces

LoadCase 1.0D + 1.0W Service Normal — Serviceability - 60 mph Wind Normal

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	8.20	2.173	2.396	0.000	0.190	2.63	1.00	1.00	0.0	3.55	9.32	0.00	203	0	65	30	95
7	112.08	8.00	5.776	7.595	0.000	0.175	2.68	1.00	1.00	0.0	10.11	27.11	0.00	843	0	184	119	303
6	102.08	7.79	1.448	1.989	0.000	0.171	2.70	1.00	1.00	0.0	2.58	6.96	0.00	249	0	46	35	81
5	90.00	7.51	7.213	11.667	0.000	0.191	2.63	1.00	1.00	0.0	13.90	36.48	0.00	1703	0	233	270	503
4	70.00	6.99	9.525	15.000	0.000	0.243	2.46	1.00	1.00	0.0	18.27	44.94	0.00	2246	0	267	255	522
3	50.00	6.35	8.727	15.027	0.000	0.195	2.61	1.00	1.00	0.0	17.35	45.32	0.00	2056	0	245	232	476
2	30.00	5.49	8.703	18.364	0.000	0.165	2.72	1.00	1.00	0.0	19.16	52.06	0.00	2409	0	243	200	443
1	10.00	5.48	9.898	18.364	0.000	0.138	2.81	1.00	1.00	0.0	20.30	57.14	0.00	2009	0	266	113	380
														11718	0			2804

LoadCase 1.0D + 1.0W Service 60 deg — Serviceability - 60 mph Wind 60 deg

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	8.20	2.173	2.396	0.000	0.190	2.63	0.80	1.00	0.0	3.11	8.18	0.00	203	0	57	30	88
7	112.08	8.00	5.776	7.595	0.000	0.175	2.68	0.80	1.00	0.0	8.95	24.01	0.00	843	0	163	119	282
6	102.08	7.79	1.448	1.989	0.000	0.171	2.70	0.80	1.00	0.0	2.29	6.18	0.00	249	0	41	35	76
5	90.00	7.51	7.213	11.667	0.000	0.191	2.63	0.80	1.00	0.0	12.46	32.70	0.00	1703	0	209	270	479
4	70.00	6.99	9.525	15.000	0.000	0.243	2.46	0.80	1.00	0.0	16.37	40.26	0.00	2246	0	239	255	494
3	50.00	6.35	8.727	15.027	0.000	0.195	2.61	0.80	1.00	0.0	15.60	40.76	0.00	2056	0	220	232	452
2	30.00	5.49	8.703	18.364	0.000	0.165	2.72	0.80	1.00	0.0	17.42	47.33	0.00	2409	0	221	200	421
1	10.00	5.48	9.898	18.364	0.000	0.138	2.81	0.80	1.00	0.0	18.32	51.56	0.00	2009	0	240	113	354
														11718	0			2645

LoadCase 1.0D + 1.0W Service 90 deg — Serviceability - 60 mph Wind 90 deg

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	8.20	2.173	2.396	0.000	0.190	2.63	0.85	1.00	0.0	3.22	8.46	0.00	203	0	59	30	90
7	112.08	8.00	5.776	7.595	0.000	0.175	2.68	0.85	1.00	0.0	9.24	24.78	0.00	843	0	168	119	287
6	102.08	7.79	1.448	1.989	0.000	0.171	2.70	0.85	1.00	0.0	2.36	6.37	0.00	249	0	42	35	77
5	90.00	7.51	7.213	11.667	0.000	0.191	2.63	0.85	1.00	0.0	12.82	33.64	0.00	1703	0	215	270	485
4	70.00	6.99	9.525	15.000	0.000	0.243	2.46	0.85	1.00	0.0	16.84	41.43	0.00	2246	0	246	255	501
3	50.00	6.35	8.727	15.027	0.000	0.195	2.61	0.85	1.00	0.0	16.04	41.90	0.00	2056	0	226	232	458
2	30.00	5.49	8.703	18.364	0.000	0.165	2.72	0.85	1.00	0.0	17.85	48.51	0.00	2409	0	226	200	427
1	10.00	5.48	9.898	18.364	0.000	0.138	2.81	0.85	1.00	0.0	18.82	52.96	0.00	2009	0	247	113	360
														11718	0			2685

Section Forces

LoadCase 1.0D + 1.0W Service 120 deg — Serviceability - 60 mph Wind 120 deg

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	8.20	2.173	2.396	0.000	0.190	2.63	1.00	1.00	0.0	3.55	9.32	0.00	203	0	65	30	95
7	112.08	8.00	5.776	7.595	0.000	0.175	2.68	1.00	1.00	0.0	10.11	27.11	0.00	843	0	184	119	303
6	102.08	7.79	1.448	1.989	0.000	0.171	2.70	1.00	1.00	0.0	2.58	6.96	0.00	249	0	46	35	81
5	90.00	7.51	7.213	11.667	0.000	0.191	2.63	1.00	1.00	0.0	13.90	36.48	0.00	1703	0	233	270	503
4	70.00	6.99	9.525	15.000	0.000	0.243	2.46	1.00	1.00	0.0	18.27	44.94	0.00	2246	0	267	255	522
3	50.00	6.35	8.727	15.027	0.000	0.195	2.61	1.00	1.00	0.0	17.35	45.32	0.00	2056	0	245	232	476
2	30.00	5.49	8.703	18.364	0.000	0.165	2.72	1.00	1.00	0.0	19.16	52.06	0.00	2409	0	243	200	443
1	10.00	5.48	9.898	18.364	0.000	0.138	2.81	1.00	1.00	0.0	20.30	57.14	0.00	2009	0	266	113	380
														11718	0			2804

LoadCase 1.0D + 1.0W Service 180 deg — Serviceability - 60 mph Wind 180 deg

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	8.20	2.173	2.396	0.000	0.190	2.63	0.80	1.00	0.0	3.11	8.18	0.00	203	0	57	30	88
7	112.08	8.00	5.776	7.595	0.000	0.175	2.68	0.80	1.00	0.0	8.95	24.01	0.00	843	0	163	119	282
6	102.08	7.79	1.448	1.989	0.000	0.171	2.70	0.80	1.00	0.0	2.29	6.18	0.00	249	0	41	35	76
5	90.00	7.51	7.213	11.667	0.000	0.191	2.63	0.80	1.00	0.0	12.46	32.70	0.00	1703	0	209	270	479
4	70.00	6.99	9.525	15.000	0.000	0.243	2.46	0.80	1.00	0.0	16.37	40.26	0.00	2246	0	239	255	494
3	50.00	6.35	8.727	15.027	0.000	0.195	2.61	0.80	1.00	0.0	15.60	40.76	0.00	2056	0	220	232	452
2	30.00	5.49	8.703	18.364	0.000	0.165	2.72	0.80	1.00	0.0	17.42	47.33	0.00	2409	0	221	200	421
1	10.00	5.48	9.898	18.364	0.000	0.138	2.81	0.80	1.00	0.0	18.32	51.56	0.00	2009	0	240	113	354
														11718	0			2645

LoadCase 1.0D + 1.0W Service 210 deg — Serviceability - 60 mph Wind 210 deg

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	8.20	2.173	2.396	0.000	0.190	2.63	0.85	1.00	0.0	3.22	8.46	0.00	203	0	59	30	90
7	112.08	8.00	5.776	7.595	0.000	0.175	2.68	0.85	1.00	0.0	9.24	24.78	0.00	843	0	168	119	287
6	102.08	7.79	1.448	1.989	0.000	0.171	2.70	0.85	1.00	0.0	2.36	6.37	0.00	249	0	42	35	77
5	90.00	7.51	7.213	11.667	0.000	0.191	2.63	0.85	1.00	0.0	12.82	33.64	0.00	1703	0	215	270	485
4	70.00	6.99	9.525	15.000	0.000	0.243	2.46	0.85	1.00	0.0	16.84	41.43	0.00	2246	0	246	255	501
3	50.00	6.35	8.727	15.027	0.000	0.195	2.61	0.85	1.00	0.0	16.04	41.90	0.00	2056	0	226	232	458
2	30.00	5.49	8.703	18.364	0.000	0.165	2.72	0.85	1.00	0.0	17.85	48.51	0.00	2409	0	226	200	427
1	10.00	5.48	9.898	18.364	0.000	0.138	2.81	0.85	1.00	0.0	18.82	52.96	0.00	2009	0	247	113	360
														11718	0			2685

Section Forces

LoadCase 1.0D + 1.0W Service 240 deg — Serviceability - 60 mph Wind 240 deg

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	8.20	2.173	2.396	0.000	0.190	2.63	1.00	1.00	0.0	3.55	9.32	0.00	203	0	65	30	95
7	112.08	8.00	5.776	7.595	0.000	0.175	2.68	1.00	1.00	0.0	10.11	27.11	0.00	843	0	184	119	303
6	102.08	7.79	1.448	1.989	0.000	0.171	2.70	1.00	1.00	0.0	2.58	6.96	0.00	249	0	46	35	81
5	90.00	7.51	7.213	11.667	0.000	0.191	2.63	1.00	1.00	0.0	13.90	36.48	0.00	1703	0	233	270	503
4	70.00	6.99	9.525	15.000	0.000	0.243	2.46	1.00	1.00	0.0	18.27	44.94	0.00	2246	0	267	255	522
3	50.00	6.35	8.727	15.027	0.000	0.195	2.61	1.00	1.00	0.0	17.35	45.32	0.00	2056	0	245	232	476
2	30.00	5.49	8.703	18.364	0.000	0.165	2.72	1.00	1.00	0.0	19.16	52.06	0.00	2409	0	243	200	443
1	10.00	5.48	9.898	18.364	0.000	0.138	2.81	1.00	1.00	0.0	20.30	57.14	0.00	2009	0	266	113	380
														11718	0			2804

LoadCase 1.0D + 1.0W Service 300 deg — Serviceability - 60 mph Wind 300 deg

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	8.20	2.173	2.396	0.000	0.190	2.63	0.80	1.00	0.0	3.11	8.18	0.00	203	0	57	30	88
7	112.08	8.00	5.776	7.595	0.000	0.175	2.68	0.80	1.00	0.0	8.95	24.01	0.00	843	0	163	119	282
6	102.08	7.79	1.448	1.989	0.000	0.171	2.70	0.80	1.00	0.0	2.29	6.18	0.00	249	0	41	35	76
5	90.00	7.51	7.213	11.667	0.000	0.191	2.63	0.80	1.00	0.0	12.46	32.70	0.00	1703	0	209	270	479
4	70.00	6.99	9.525	15.000	0.000	0.243	2.46	0.80	1.00	0.0	16.37	40.26	0.00	2246	0	239	255	494
3	50.00	6.35	8.727	15.027	0.000	0.195	2.61	0.80	1.00	0.0	15.60	40.76	0.00	2056	0	220	232	452
2	30.00	5.49	8.703	18.364	0.000	0.165	2.72	0.80	1.00	0.0	17.42	47.33	0.00	2409	0	221	200	421
1	10.00	5.48	9.898	18.364	0.000	0.138	2.81	0.80	1.00	0.0	18.32	51.56	0.00	2009	0	240	113	354
														11718	0			2645

LoadCase 1.0D + 1.0W Service 330 deg — Serviceability - 60 mph Wind 330 deg

Gust Response Factor (Gh): 0.85

Wind Importance Factor (Iw) : 1.00

Section	Elev. (ft)	Q_z (psf)	A_f (sf)	A_r (sf)	Ice A_r (sf)	e	C_f	D_f	D_r	T_{iz} (in)	A_e (sf)	EPA_a (sf)	EPA_{ai} (sf)	Wt. (lb)	Ice Wt. (lb)	F_{st} (lb)	F_a (lb)	Force (lb)
8	122.50	8.20	2.173	2.396	0.000	0.190	2.63	0.85	1.00	0.0	3.22	8.46	0.00	203	0	59	30	90
7	112.08	8.00	5.776	7.595	0.000	0.175	2.68	0.85	1.00	0.0	9.24	24.78	0.00	843	0	168	119	287
6	102.08	7.79	1.448	1.989	0.000	0.171	2.70	0.85	1.00	0.0	2.36	6.37	0.00	249	0	42	35	77
5	90.00	7.51	7.213	11.667	0.000	0.191	2.63	0.85	1.00	0.0	12.82	33.64	0.00	1703	0	215	270	485
4	70.00	6.99	9.525	15.000	0.000	0.243	2.46	0.85	1.00	0.0	16.84	41.43	0.00	2246	0	246	255	501
3	50.00	6.35	8.727	15.027	0.000	0.195	2.61	0.85	1.00	0.0	16.04	41.90	0.00	2056	0	226	232	458
2	30.00	5.49	8.703	18.364	0.000	0.165	2.72	0.85	1.00	0.0	17.85	48.51	0.00	2409	0	226	200	427
1	10.00	5.48	9.898	18.364	0.000	0.138	2.81	0.85	1.00	0.0	18.82	52.96	0.00	2009	0	247	113	360
														11718	0			2685

Equivalent Lateral Force Method

(Based on ASCE7-10 Chapters 11, 12 & 15)

Spectral Response Acceleration for Short Period (S_s):	0.18
Spectral Response Acceleration at 1.0 Second Period (S_1):	0.06
Long-Period Transition Period (T_L - Seconds):	6
Importance Factor (I_e):	1.00
Site Coefficient F_a:	1.60
Site Coefficient F_v:	2.40
Response Modification Coefficient (R):	3.00
Design Spectral Response Acceleration at Short Period (S_{ds}):	0.19
Design Spectral Response Acceleration at 1.0 Second Period (S_{d1}):	0.10
Seismic Response Coefficient (C_s):	0.03
Upper Limit C_s:	0.03
Lower Limit C_s:	0.03
Period based on Rayleigh Method (sec):	1.08
Redundancy Factor (p):	1.30
Seismic Force Distribution Exponent (k):	1.29
Total Unfactored Dead Load:	16.20 k
Seismic Base Shear (E):	0.64 k

LoadCase (1.2 + 0.2Sds) * DL + E Seismic

Section	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
8	122.50	203	100,066	0.023	15	252
7	112.08	843	369,901	0.087	55	1,045
6	102.07	249	96,835	0.023	14	308
5	90.00	1,703	563,062	0.132	84	2,110
4	70.00	2,246	536,881	0.126	80	2,781
3	50.00	2,056	318,513	0.075	47	2,546
2	30.00	2,409	193,177	0.045	29	2,983
1	10.00	2,009	39,092	0.009	6	2,488
Decibel DB844H90E-XY	125.00	168	84,815	0.020	13	208
Flat Light Sector Frame	125.00	1,200	605,819	0.142	90	1,486
Andrew SBNHH-1D65A (33.5 lbs)	113.00	101	44,548	0.010	7	124
Commscope WCS-IMFQ-AMT	113.00	30	13,076	0.003	2	37
Ericsson RRUS 32 (50.8 lbs)	113.00	152	67,553	0.016	10	189
Ericsson RRUS 4449 B5, B12	113.00	213	94,414	0.022	14	264
Ericsson RRUS 4478 B14	113.00	180	79,654	0.019	12	223
Ericsson RRUS 8843 B2, B66A	113.00	216	95,744	0.022	14	268
Flat Light Sector Frame with Face	113.00	1,200	531,911	0.125	79	1,486
Kathrein Scala 80010964	113.00	490	217,019	0.051	32	606
Powerwave Allgon 7770.00	113.00	105	46,542	0.011	7	130
Powerwave Allgon LGP21401	113.00	85	37,500	0.009	6	105
Raycap DC6-48-60-0-8F	113.00	33	14,539	0.003	2	41
Raycap DC6-48-60-18-8F	113.00	20	8,865	0.002	1	25

Equivalent Lateral Force Method

Raycap DC6-48-60-18-8F ("Squid")	113.00	32	14,096	0.003	2	39
RFS APXV18-206517S-C	100.00	79	29,989	0.007	4	98
Generic 10' Omni	91.00	25	8,382	0.002	1	31
Side Arm	91.00	150	50,295	0.012	7	186
		16,195	4,262,286	1.000	635	20,060

LoadCase (0.9 - 0.2Sds) * DL + E — Seismic (Reduced DL)

Section	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
8	122.50	203	100,066	0.023	15	175
7	112.08	843	369,901	0.087	55	726
6	102.07	249	96,835	0.023	14	215
5	90.00	1,703	563,062	0.132	84	1,467
4	70.00	2,246	536,881	0.126	80	1,934
3	50.00	2,056	318,513	0.075	47	1,771
2	30.00	2,409	193,177	0.045	29	2,075
1	10.00	2,009	39,092	0.009	6	1,730
Decibel DB844H90E-XY	125.00	168	84,815	0.020	13	145
Flat Light Sector Frame	125.00	1,200	605,819	0.142	90	1,034
Andrew SBNHH-1D65A (33.5 lbs)	113.00	101	44,548	0.010	7	87
Commscope WCS-IMFQ-AMT	113.00	30	13,076	0.003	2	25
Ericsson RRUS 32 (50.8 lbs)	113.00	152	67,553	0.016	10	131
Ericsson RRUS 4449 B5, B12	113.00	213	94,414	0.022	14	183
Ericsson RRUS 4478 B14	113.00	180	79,654	0.019	12	155
Ericsson RRUS 8843 B2, B66A	113.00	216	95,744	0.022	14	186
Flat Light Sector Frame with Face	113.00	1,200	531,911	0.125	79	1,034
Kathrein Scala 80010964	113.00	490	217,019	0.051	32	422
Powerwave Allgon 7770.00	113.00	105	46,542	0.011	7	90
Powerwave Allgon LGP21401	113.00	85	37,500	0.009	6	73
Raycap DC6-48-60-0-8F	113.00	33	14,539	0.003	2	28
Raycap DC6-48-60-18-8F	113.00	20	8,865	0.002	1	17
Raycap DC6-48-60-18-8F ("Squid")	113.00	32	14,096	0.003	2	27
RFS APXV18-206517S-C	100.00	79	29,989	0.007	4	68
Generic 10' Omni	91.00	25	8,382	0.002	1	22
Side Arm	91.00	150	50,295	0.012	7	129
		16,195	4,262,286	1.000	635	13,950

Equivalent Modal Analysis Method

(Based on ASCE7-10 Chapters 11, 12 & 15 and ANSI/TIA-G, section 2.7)

Spectral Response Acceleration for Short Period (S_s):	0.18
Spectral Response Acceleration at 1.0 Second Period (S_1):	0.06
Importance Factor (I_e):	1.00
Site Coefficient F_a:	1.60
Site Coefficient F_v:	2.40
Response Modification Coefficient (R):	3.00
Design Spectral Response Acceleration at Short Period (S_{ds}):	0.19
Desing Spectral Response Acceleration at 1.0 Second Period (S_{d1}):	0.10
Period Based on Rayleigh Method (sec):	1.08
Redundancy Factor (p):	1.30

LoadCase (1.2 + 0.2Sds) * DL + E Seismic

Section	Height Above Base (ft)	Weight (lb)	a	b	c	S_{az}	Horizontal Force (lb)	Vertical Force (lb)
8	122.50	203	1.815	1.608	1.004	0.350	31	252
7	112.08	843	1.519	0.550	0.566	0.192	70	1,045
6	102.07	249	1.260	0.069	0.302	0.093	10	308
5	90.00	1,703	0.980	-0.114	0.122	0.033	25	2,110
4	70.00	2,246	0.593	-0.050	0.014	0.032	31	2,781
3	50.00	2,056	0.302	0.045	0.012	0.045	40	2,546
2	30.00	2,409	0.109	0.071	0.036	0.036	38	2,983
1	10.00	2,009	0.012	0.058	0.034	0.023	20	2,488
Decibel DB844H90E-XY	125.00	168	1.890	1.980	1.140	0.397	29	208
Flat Light Sector Frame	125.00	1,200	1.890	1.980	1.140	0.397	206	1,486
Andrew SBNHH-1D65A (33.5 lbs)	113.00	101	1.545	0.617	0.597	0.204	9	124
Commscope WCS-IMFQ-AMT	113.00	30	1.545	0.617	0.597	0.204	3	37
Ericsson RRUS 32 (50.8 lbs)	113.00	152	1.545	0.617	0.597	0.204	13	189
Ericsson RRUS 4449 B5, B12	113.00	213	1.545	0.617	0.597	0.204	19	264
Ericsson RRUS 4478 B14	113.00	180	1.545	0.617	0.597	0.204	16	223
Ericsson RRUS 8843 B2, B66A	113.00	216	1.545	0.617	0.597	0.204	19	268
Flat Light Sector Frame with	113.00	1,200	1.545	0.617	0.597	0.204	106	1,486
Kathrein Scala 80010964	113.00	490	1.545	0.617	0.597	0.204	43	606
Powerwave Allgon 7770.00	113.00	105	1.545	0.617	0.597	0.204	9	130
Powerwave Allgon LGP21401	113.00	85	1.545	0.617	0.597	0.204	7	105
Raycap DC6-48-60-0-8F	113.00	33	1.545	0.617	0.597	0.204	3	41
Raycap DC6-48-60-18-8F	113.00	20	1.545	0.617	0.597	0.204	2	25
Raycap DC6-48-60-18-8F ("Squid")	113.00	32	1.545	0.617	0.597	0.204	3	39
RFS APXV18-206517S-C	100.00	79	1.210	0.014	0.262	0.078	3	98
Generic 10' Omni	91.00	25	1.002	-0.109	0.132	0.036	0	31
Side Arm	91.00	150	1.002	-0.109	0.132	0.036	2	186
		16,195	33.663	14.009	12.661	4.403	758	20,060

LoadCase (0.9 - 0.2Sds) * DL + E Seismic (Reduced DL)

Section	Height Above Base (ft)	Weight (lb)	a	b	c	S_{az}	Horizontal Force (lb)	Vertical Force (lb)
8	122.50	203	1.815	1.608	1.004	0.350	31	175
7	112.08	843	1.519	0.550	0.566	0.192	70	726

Equivalent Modal Analysis Method

6	102.07	249	1.260	0.069	0.302	0.093	10	215
5	90.00	1,703	0.980	-0.114	0.122	0.033	25	1,467
4	70.00	2,246	0.593	-0.050	0.014	0.032	31	1,934
3	50.00	2,056	0.302	0.045	0.012	0.045	40	1,771
2	30.00	2,409	0.109	0.071	0.036	0.036	38	2,075
1	10.00	2,009	0.012	0.058	0.034	0.023	20	1,730
Decibel DB844H90E-XY	125.00	168	1.890	1.980	1.140	0.397	29	145
Flat Light Sector Frame	125.00	1,200	1.890	1.980	1.140	0.397	206	1,034
Andrew SBNHH-1D65A (33.5 lbs)	113.00	101	1.545	0.617	0.597	0.204	9	87
Commscope WCS-IMFQ-AMT	113.00	30	1.545	0.617	0.597	0.204	3	25
Ericsson RRUS 32 (50.8 lbs)	113.00	152	1.545	0.617	0.597	0.204	13	131
Ericsson RRUS 4449 B5, B12	113.00	213	1.545	0.617	0.597	0.204	19	183
Ericsson RRUS 4478 B14	113.00	180	1.545	0.617	0.597	0.204	16	155
Ericsson RRUS 8843 B2, B66A	113.00	216	1.545	0.617	0.597	0.204	19	186
Flat Light Sector Frame with	113.00	1,200	1.545	0.617	0.597	0.204	106	1,034
Kathrein Scala 80010964	113.00	490	1.545	0.617	0.597	0.204	43	422
Powerwave Allgon 7770.00	113.00	105	1.545	0.617	0.597	0.204	9	90
Powerwave Allgon LGP21401	113.00	85	1.545	0.617	0.597	0.204	7	73
Raycap DC6-48-60-0-8F	113.00	33	1.545	0.617	0.597	0.204	3	28
Raycap DC6-48-60-18-8F	113.00	20	1.545	0.617	0.597	0.204	2	17
Raycap DC6-48-60-18-8F ("Squid")	113.00	32	1.545	0.617	0.597	0.204	3	27
RFS APXV18-206517S-C	100.00	79	1.210	0.014	0.262	0.078	3	68
Generic 10' Omni	91.00	25	1.002	-0.109	0.132	0.036	0	22
Side Arm	91.00	150	1.002	-0.109	0.132	0.036	2	129
		16,195	33.663	14.009	12.661	4.403	758	13,950

Force/Stress Summary

Section: 1 9N39 Bot Elev (ft): 0.00 Height (ft): 20.000

Max Compression Member		Pu (kip)	Load Case	Len (ft)	Bracing % X	Y	Z	KL/R	F'y (ksi)	Phic Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Use %	Controls
LEG	PSP - ROHN 5 EH	-153.93	1.2D + 1.6W Normal	6.59	100	100	100	43.0	50.0	240.17	0	0	0.00	0.00	64	Member X
HORIZ		0.00		0.000	0	0	0	0.0	0.0	0.00	0	0	0.00	0.00	0	
DIAG	SAE - 1.75X1.75X0.12	-1.73	1.2D + 1.6W 120	12.31	48	48	48	204.5	36.0	2.27	1	1	7.95	6.96	76	Member Z

Max Tension Member		Pu (kip)	Load Case	Fy (ksi)	Fu (ksi)	Phit Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Blk Shear phit Pn (kip)	Use %	Controls
LEG	PSP - ROHN 5 EH	138.22	1.2D + 1.6W 60 deg -	50	65	274.95	0	0	0.00	0.00		50	Member
HORIZ		0.00		0	0	0.00	0	0	0.00	0.00	0.00	0	
DIAG	SAE - 1.75X1.75X0.12	1.61	1.2D + 1.6W 210	36	58	11.15	1	1	7.95	4.13	3.81	42	Blk Shear

Max Splice Forces	Pu (kip)	Load Case	phiRnt (kip)	Use %	Num Bolts	Bolt Type
Top Tension	130.56	0.9D + 1.6W 60 deg	0.00	0	0	
Top Compression	145.64	1.2D + 1.6W Normal -	0.00	0		
Bot Tension	139.45	0.9D + 1.6W 60 deg	242.30	65	4	1" A354-BC
Bot Compression	156.04	1.2D + 1.6W Normal -	0.00	0		

Section: 2 8N199 Bot Elev (ft): 20.00 Height (ft): 20.000

Max Compression Member		Pu (kip)	Load Case	Len (ft)	Bracing % X	Y	Z	KL/R	F'y (ksi)	Phic Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Use %	Controls
LEG	PSP - ROHN 5 EH	-143.94	1.2D + 1.6W Normal	4.88	100	100	100	31.8	50.0	255.30	0	0	0.00	0.00	56	Member X
HORIZ		0.00		0.000	0	0	0	0.0	0.0	0.00	0	0	0.00	0.00	0	
DIAG	SAE - 1.5X1.5X0.1875	-1.47	1.2D + 1.6W 210	9.784	50	50	50	200.3	36.0	2.98	1	1	7.95	10.44	49	Member Z

Max Tension Member		Pu (kip)	Load Case	Fy (ksi)	Fu (ksi)	Phit Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Blk Shear phit Pn (kip)	Use %	Controls
LEG	PSP - ROHN 5 EH	129.66	1.2D + 1.6W 60 deg -	50	65	274.95	0	0	0.00	0.00		47	Member
HORIZ		0.00		0	0	0.00	0	0	0.00	0.00	0.00	0	
DIAG	SAE - 1.5X1.5X0.1875	1.38	1.2D + 1.6W 210	36	58	13.47	1	1	7.95	6.20	4.69	29	Blk Shear

Max Splice Forces	Pu (kip)	Load Case	phiRnt (kip)	Use %	Num Bolts	Bolt Type
Top Tension	121.55	0.9D + 1.6W 60 deg	0.00	0	0	
Top Compression	134.43	1.2D + 1.6W Normal -	0.00	0		
Bot Tension	130.56	0.9D + 1.6W 60 deg	218.07	60	4	1 A325
Bot Compression	0.00		0.00	0		

Force/Stress Summary

Section: 3 7N344 Bot Elev (ft): 40.00 Height (ft): 20.000

Max Compression Member		Pu (kip)	Load Case	Len (ft)	Bracing % X	Y	Z	KL/R	F'y (ksi)	Phic Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Use %	Controls
LEG	PX - 4" DIA PIPE	-133.27	1.2D + 1.6W Normal	3.91	100	100	100	31.7	50.0	184.41	0	0	0.00	0.00	72	Member X
HORIZ	SAE - 1.5X1.5X0.125	-0.25	1.2D + 1.6W Normal	4.677	100	100	100	189.6	36.0	2.26	1	1	7.95	6.96	11	Member Z
DIAG	SAE - 1.5X1.5X0.1875	-1.41	1.2D + 1.6W 90 deg -	6.268	50	50	50	128.3	36.0	7.21	1	1	7.95	10.44	19	Member Z

Max Tension Member		Pu (kip)	Load Case	Fy (ksi)	Fu (ksi)	Phit Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Blk Shear phit Pn (kip)	Use %	Controls
LEG	PX - 4" DIA PIPE	121.67	0.9D + 1.6W 60 deg	50	65	198.45	0	0	0.00	0.00		61	Member
HORIZ	SAE - 1.5X1.5X0.125	0.19	0.9D + 1.6W 60 deg	36	58	9.20	1	1	7.95	4.13	3.13	6	Blk Shear
DIAG	SAE - 1.5X1.5X0.1875	1.32	0.9D + 1.6W 90 deg	36	58	13.47	1	1	7.95	6.20	4.69	28	Blk Shear

Max Splice Forces	Pu (kip)	Load Case	phiRnt (kip)	Use %	Num Bolts	Bolt Type
Top Tension	115.08	0.9D + 1.6W 60 deg	0.00	0	0	
Top Compression	125.98	1.2D + 1.6W Normal -	0.00	0		
Bot Tension	121.55	0.9D + 1.6W 60 deg	218.07	56	4	1 A325
Bot Compression	0.00		0.00	0		

Section: 4 6N166 Bot Elev (ft): 60.00 Height (ft): 20.000

Max Compression Member		Pu (kip)	Load Case	Len (ft)	Bracing % X	Y	Z	KL/R	F'y (ksi)	Phic Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Use %	Controls
LEG	PX - 4" DIA PIPE	-118.67	1.2D + 1.6W Normal	3.90	100	100	100	31.6	50.0	184.46	0	0	0.00	0.00	64	Member X
HORIZ		0.00		0.000	0	0	0	0.0	0.0	0.00	0	0	0.00	0.00	0	
DIAG	SAE - 2X2X0.25	-5.37	1.2D + 1.6W Normal	6.090	50	50	50	100.1	36.0	17.97	1	1	7.95	13.92	67	Bolt Shear

Max Tension Member		Pu (kip)	Load Case	Fy (ksi)	Fu (ksi)	Phit Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Blk Shear phit Pn (kip)	Use %	Controls
LEG	PX - 4" DIA PIPE	114.59	1.2D + 1.6W 60 deg -	50	65	198.45	0	0	0.00	0.00		57	Member
HORIZ		0.00		0	0	0.00	0	0	0.00	0.00	0.00	0	
DIAG	SAE - 2X2X0.25	5.01	1.2D + 1.6W 210	36	58	25.57	1	1	7.95	8.27	8.97	63	Bolt Shear

Max Splice Forces	Pu (kip)	Load Case	phiRnt (kip)	Use %	Num Bolts	Bolt Type
Top Tension	64.26	0.9D + 1.6W 60 deg	0.00	0	0	
Top Compression	71.67	1.2D + 1.6W Normal -	0.00	0		
Bot Tension	115.08	0.9D + 1.6W 60 deg	166.22	69	4	0.875" A325
Bot Compression	0.00		0.00	0		

Force/Stress Summary

Section: 5 6N309 Bot Elev (ft): 80.00 Height (ft): 20.000

Max Compression Member	Pu (kip)	Load Case	Len (ft)	Bracing % X	Y	Z	KL/R	F'y (ksi)	Phic Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Use %	Controls
LEG PX - 3" DIA PIPE	-66.89	1.2D + 1.6W Normal	3.90	100	100	100	41.1	50.0	120.14	0	0	0.00	0.00	55	Member X
HORIZ	0.00		0.000	0	0	0	0.0	0.0	0.00	0	0	0.00	0.00	0	
DIAG SAE - 1.5X1.5X0.1875	-4.02	1.2D + 1.6W 210	6.084	50	50	50	124.6	36.0	7.59	1	1	7.95	10.44	53	Member Z

Max Tension Member	Pu (kip)	Load Case	Fy (ksi)	Fu (ksi)	Phit Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Blk Shear phit Pn (kip)	Use %	Controls
LEG PX - 3" DIA PIPE	63.97	1.2D + 1.6W 60 deg -	50	65	135.90	0	0	0.00	0.00		47	Member
HORIZ	0.00		0	0	0.00	0	0	0.00	0.00	0.00	0	
DIAG SAE - 1.5X1.5X0.1875	3.95	1.2D + 1.6W 210	36	58	13.47	1	1	7.95	6.20	4.69	84	Blk Shear

Max Splice Forces	Pu (kip)	Load Case	phiRnt (kip)	Use %	Num Bolts	Bolt Type
Top Tension	25.02	0.9D + 1.6W 60 deg	0.00	0	0	
Top Compression	29.75	1.2D + 1.6W 120 deg	0.00	0		
Bot Tension	64.26	0.9D + 1.6W 60 deg	166.22	39	4	0.875" A325
Bot Compression	0.00		0.00	0		

Section: 6 6N30 Bot Elev (ft): 100.0 Height (ft): 4.150

Max Compression Member	Pu (kip)	Load Case	Len (ft)	Bracing % X	Y	Z	KL/R	F'y (ksi)	Phic Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Use %	Controls
LEG PST - 2-1/2" DIA PIP	-26.13	1.2D + 1.6W Normal	3.90	100	100	100	49.4	50.0	64.14	0	0	0.00	0.00	40	Member X
HORIZ	0.00		0.000	0	0	0	0.0	0.0	0.00	0	0	0.00	0.00	0	
DIAG SAE - 1.5X1.5X0.1875	-2.93	1.2D + 1.6W 90 deg -	6.031	50	50	50	123.5	36.0	7.69	1	1	7.95	10.44	38	Member Z

Max Tension Member	Pu (kip)	Load Case	Fy (ksi)	Fu (ksi)	Phit Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Blk Shear phit Pn (kip)	Use %	Controls
LEG PST - 2-1/2" DIA PIP	24.71	1.2D + 1.6W 60 deg -	50	65	76.68	0	0	0.00	0.00		32	Member
HORIZ	0.00		0	0	0.00	0	0	0.00	0.00	0.00	0	
DIAG SAE - 1.5X1.5X0.1875	2.91	1.2D + 1.6W 90 deg -	36	58	13.47	1	1	7.95	6.20	4.69	62	Blk Shear

Max Splice Forces	Pu (kip)	Load Case	phiRnt (kip)	Use %	Num Bolts	Bolt Type
Top Tension	18.66	0.9D + 1.6W 180 deg	0.00	0	0	
Top Compression	22.91	1.2D + 1.6W Normal -	0.00	0		
Bot Tension	25.02	0.9D + 1.6W 60 deg	120.41	21	4	0.75" A325
Bot Compression	0.00		0.00	0		

Force/Stress Summary

Section: 7 6N30 Bot Elev (ft): 104.1 Height (ft): 15.850

Max Compression Member		Pu (kip)	Load Case	Len (ft)	Bracing % X	Y	Z	KL/R	F'y (ksi)	Phic Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Use %	Controls
LEG	PST - 2-1/2" DIA PIP	-19.92	1.2D + 1.6W Normal	3.90	100	100	100	49.4	50.0	64.14	0	0	0.00	0.00	31	Member X
HORIZ		0.00		0.000	0	0	0	0.0	0.0	0.00	0	0	0.00	0.00	0	
DIAG	SAE - 1.5X1.5X0.1875	-2.69	1.2D + 1.6W 90 deg -	6.024	50	50	50	123.4	36.0	7.71	1	1	7.95	10.44	34	Member Z

Max Tension Member		Pu (kip)	Load Case	Fy (ksi)	Fu (ksi)	Phit Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Blk Shear phit Pn (kip)	Use %	Controls
LEG	PST - 2-1/2" DIA PIP	15.41	1.2D + 1.6W 60 deg -	50	65	76.68	0	0	0.00	0.00		20	Member
HORIZ		0.00		0	0	0.00	0	0	0.00	0.00	0.00	0	
DIAG	SAE - 1.5X1.5X0.1875	2.69	1.2D + 1.6W 90 deg -	36	58	13.47	1	1	7.95	6.20	4.69	57	Blk Shear

Max Splice Forces	Pu (kip)	Load Case	phiRnt (kip)	Use %	Num Bolts	Bolt Type
Top Tension	2.34	0.9D + 1.6W 60 deg	0.00	0	0	
Top Compression	3.58	1.2D + 1.6W Normal -	0.00	0		
Bot Tension	18.66	0.9D + 1.6W 180 deg	0.00	0		
Bot Compression	0.00		0.00	0		

Section: 8 6N285 Bot Elev (ft): 120.0 Height (ft): 5.000

Max Compression Member		Pu (kip)	Load Case	Len (ft)	Bracing % X	Y	Z	KL/R	F'y (ksi)	Phic Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Use %	Controls
LEG	PST - 2-1/2" DIA PIP	-1.89	1.2D + 1.6W Normal	5.00	100	100	100	63.4	50.0	57.18	0	0	0.00	0.00	3	Member X
HORIZ	SAE - 1.5X1.5X0.125	-0.28	1.2D + 1.6W 60 deg -	4.563	100	100	100	185.0	36.0	2.38	1	1	7.95	6.96	11	Member Z
DIAG	SAE - 1.5X1.5X0.125	-1.13	1.2D + 1.6W 90 deg -	6.769	50	50	50	137.2	36.0	4.32	1	1	7.95	6.96	26	Member Z

Max Tension Member		Pu (kip)	Load Case	Fy (ksi)	Fu (ksi)	Phit Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Blk Shear phit Pn (kip)	Use %	Controls
LEG	PST - 2-1/2" DIA PIP	0.82	0.9D + 1.6W 60 deg	50	65	76.68	0	0	0.00	0.00		1	Member
HORIZ	SAE - 1.5X1.5X0.125	0.30	1.2D + 1.6W Normal	36	58	9.20	1	1	7.95	4.13	3.13	9	Blk Shear
DIAG	SAE - 1.5X1.5X0.125	1.12	1.2D + 1.6W 90 deg -	36	58	9.20	1	1	7.95	4.13	3.13	35	Blk Shear

Max Splice Forces	Pu (kip)	Load Case	phiRnt (kip)	Use %	Num Bolts	Bolt Type
Top Tension	0.00		0.00	0	0	
Top Compression	1.64	1.2D + 1.0Di + 1.0Wi	0.00	0		
Bot Tension	2.34	0.9D + 1.6W 60 deg	81.36	3	4	5/8 A325
Bot Compression	0.00		0.00	0		

Detailed Reactions

Load Case	Radius (ft)	Elevation (ft)	Azimuth (deg)	Node	FX (kip)	FY (kip)	FZ (kip)	(-) = Uplift (+) = Down
1.2D + 1.6W Normal - Pat 1	**6.21**	**00.00**	**0**	**1**	**0.00**	**155.77**	**-11.62**	
	6.21	**00.00**	**120**	**1a**	**4.35**	**-68.17**	**-2.94**	
	6.21	**00.00**	**240**	**1b**	**-4.35**	**-68.17**	**-2.94**	
1.2D + 1.6W Normal - Pat 2	**6.21**	**00.00**	**0**	**1**	**0.00**	**116.11**	**-8.18**	
	6.21	**00.00**	**120**	**1a**	**2.97**	**-48.34**	**-1.82**	
	6.21	**00.00**	**240**	**1b**	**-2.97**	**-48.34**	**-1.82**	
1.2D + 1.6W Normal - Pat 3	**6.21**	**00.00**	**0**	**1**	**0.00**	**155.77**	**-11.62**	
	6.21	**00.00**	**120**	**1a**	**4.35**	**-68.17**	**-2.94**	
	6.21	**00.00**	**240**	**1b**	**-4.35**	**-68.17**	**-2.94**	
1.2D + 1.6W 60 deg - Pat 1	**6.21**	**00.00**	**0**	**1**	**-0.32**	**78.62**	**-5.80**	
	6.21	**00.00**	**120**	**1a**	**-5.17**	**78.54**	**2.65**	
	6.21	**00.00**	**240**	**1b**	**-9.05**	**-137.72**	**-5.24**	
1.2D + 1.6W 60 deg - Pat 2	**6.21**	**00.00**	**0**	**1**	**-0.07**	**59.93**	**-4.18**	
	6.21	**00.00**	**120**	**1a**	**-3.64**	**59.85**	**2.05**	
	6.21	**00.00**	**240**	**1b**	**-6.19**	**-100.34**	**-3.58**	
1.2D + 1.6W 60 deg - Pat 3	**6.21**	**00.00**	**0**	**1**	**-0.32**	**78.62**	**-5.80**	
	6.21	**00.00**	**120**	**1a**	**-5.17**	**78.54**	**2.65**	
	6.21	**00.00**	**240**	**1b**	**-9.05**	**-137.72**	**-5.24**	
1.2D + 1.6W 90 deg - Pat 1	**6.21**	**00.00**	**0**	**1**	**-0.39**	**6.54**	**-0.40**	
	6.21	**00.00**	**120**	**1a**	**-8.60**	**132.40**	**4.78**	
	6.21	**00.00**	**240**	**1b**	**-7.97**	**-119.50**	**-4.38**	
1.2D + 1.6W 90 deg - Pat 2	**6.21**	**00.00**	**0**	**1**	**-0.09**	**6.53**	**-0.41**	
	6.21	**00.00**	**120**	**1a**	**-6.06**	**99.54**	**3.47**	
	6.21	**00.00**	**240**	**1b**	**-5.38**	**-86.64**	**-3.06**	
1.2D + 1.6W 90 deg - Pat 3	**6.21**	**00.00**	**0**	**1**	**-0.39**	**6.54**	**-0.40**	
	6.21	**00.00**	**120**	**1a**	**-8.60**	**132.40**	**4.78**	
	6.21	**00.00**	**240**	**1b**	**-7.97**	**-119.50**	**-4.38**	
1.2D + 1.6W 120 deg - Pat 1	**6.21**	**00.00**	**0**	**1**	**-0.39**	**-68.09**	**5.24**	
	6.21	**00.00**	**120**	**1a**	**-10.06**	**155.69**	**5.82**	
	6.21	**00.00**	**240**	**1b**	**-4.72**	**-68.17**	**-2.31**	
1.2D + 1.6W 120 deg - Pat 2	**6.21**	**00.00**	**0**	**1**	**-0.10**	**-48.26**	**3.49**	
	6.21	**00.00**	**120**	**1a**	**-7.08**	**116.03**	**4.10**	
	6.21	**00.00**	**240**	**1b**	**-3.06**	**-48.34**	**-1.67**	
1.2D + 1.6W 120 deg - Pat 3	**6.21**	**00.00**	**0**	**1**	**-0.39**	**-68.09**	**5.24**	
	6.21	**00.00**	**120**	**1a**	**-10.06**	**155.69**	**5.82**	
	6.21	**00.00**	**240**	**1b**	**-4.72**	**-68.17**	**-2.31**	
1.2D + 1.6W 180 deg - Pat 1	**6.21**	**00.00**	**0**	**1**	**0.00**	**-137.64**	**10.46**	
	6.21	**00.00**	**120**	**1a**	**-4.87**	**78.54**	**3.17**	
	6.21	**00.00**	**240**	**1b**	**4.87**	**78.54**	**3.17**	
1.2D + 1.6W 180 deg - Pat 2	**6.21**	**00.00**	**0**	**1**	**0.00**	**-100.26**	**7.15**	
	6.21	**00.00**	**120**	**1a**	**-3.59**	**59.85**	**2.14**	
	6.21	**00.00**	**240**	**1b**	**3.59**	**59.85**	**2.14**	
1.2D + 1.6W 180 deg - Pat 3	**6.21**	**00.00**	**0**	**1**	**0.00**	**-137.64**	**10.46**	
	6.21	**00.00**	**120**	**1a**	**-4.87**	**78.54**	**3.17**	

	6.21	00.00	240	1b	4.87	78.54	3.17
1.2D + 1.6W 210 deg - Pat 1	6.21	00.00	0	1	0.21	-119.42	9.09
	6.21	00.00	120	1a	-0.16	6.46	0.53
	6.21	00.00	240	1b	8.43	132.40	5.08
1.2D + 1.6W 210 deg - Pat 2	6.21	00.00	0	1	0.05	-86.56	6.19
	6.21	00.00	120	1a	-0.32	6.45	0.27
	6.21	00.00	240	1b	6.03	99.54	3.53
1.2D + 1.6W 210 deg - Pat 3	6.21	00.00	0	1	0.21	-119.42	9.09
	6.21	00.00	120	1a	-0.16	6.46	0.53
	6.21	00.00	240	1b	8.43	132.40	5.08
1.2D + 1.6W 240 deg - Pat 1	6.21	00.00	0	1	0.39	-68.09	5.24
	6.21	00.00	120	1a	4.72	-68.17	-2.31
	6.21	00.00	240	1b	10.06	155.69	5.82
1.2D + 1.6W 240 deg - Pat 2	6.21	00.00	0	1	0.10	-48.26	3.49
	6.21	00.00	120	1a	3.06	-48.34	-1.67
	6.21	00.00	240	1b	7.08	116.03	4.10
1.2D + 1.6W 240 deg - Pat 3	6.21	00.00	0	1	0.39	-68.09	5.24
	6.21	00.00	120	1a	4.72	-68.17	-2.31
	6.21	00.00	240	1b	10.06	155.69	5.82
1.2D + 1.6W 300 deg - Pat 1	6.21	00.00	0	1	0.32	78.62	-5.80
	6.21	00.00	120	1a	9.05	-137.72	-5.24
	6.21	00.00	240	1b	5.17	78.54	2.65
1.2D + 1.6W 300 deg - Pat 2	6.21	00.00	0	1	0.07	59.93	-4.18
	6.21	00.00	120	1a	6.19	-100.34	-3.58
	6.21	00.00	240	1b	3.64	59.85	2.05
1.2D + 1.6W 300 deg - Pat 3	6.21	00.00	0	1	0.32	78.62	-5.80
	6.21	00.00	120	1a	9.05	-137.72	-5.24
	6.21	00.00	240	1b	5.17	78.54	2.65
1.2D + 1.6W 330 deg - Pat 1	6.21	00.00	0	1	0.18	132.48	-9.84
	6.21	00.00	120	1a	7.77	-119.50	-4.73
	6.21	00.00	240	1b	0.53	6.46	-0.12
1.2D + 1.6W 330 deg - Pat 2	6.21	00.00	0	1	0.04	99.62	-6.99
	6.21	00.00	120	1a	5.33	-86.64	-3.14
	6.21	00.00	240	1b	0.39	6.45	0.14
1.2D + 1.6W 330 deg - Pat 3	6.21	00.00	0	1	0.18	132.48	-9.84
	6.21	00.00	120	1a	7.77	-119.50	-4.73
	6.21	00.00	240	1b	0.53	6.46	-0.12
0.9D + 1.6W Normal	6.21	00.00	0	1	0.00	153.77	-11.51
	6.21	00.00	120	1a	4.44	-69.60	-3.00
	6.21	00.00	240	1b	-4.44	-69.60	-3.00
0.9D + 1.6W 60 deg	6.21	00.00	0	1	-0.32	76.81	-5.69
	6.21	00.00	120	1a	-5.08	76.75	2.59
	6.21	00.00	240	1b	-9.14	-138.98	-5.29
0.9D + 1.6W 90 deg	6.21	00.00	0	1	-0.40	4.90	-0.30
	6.21	00.00	120	1a	-8.51	130.48	4.72
	6.21	00.00	240	1b	-8.06	-120.81	-4.43
0.9D + 1.6W 120 deg	6.21	00.00	0	1	-0.39	-69.54	5.34
	6.21	00.00	120	1a	-9.96	153.71	5.76
	6.21	00.00	240	1b	-4.81	-69.60	-2.35

0.9D + 1.6W 180 deg	**6.21**	**00.00**	**0**	**1**	**0.00**	**-138.92**	**10.56**
	6.21	**00.00**	**120**	**1a**	**-4.78**	**76.75**	**3.12**
	6.21	**00.00**	**240**	**1b**	**4.78**	**76.75**	**3.12**
0.9D + 1.6W 210 deg	**6.21**	**00.00**	**0**	**1**	**0.22**	**-120.75**	**9.19**
	6.21	**00.00**	**120**	**1a**	**-0.07**	**4.84**	**0.48**
	6.21	**00.00**	**240**	**1b**	**8.33**	**130.48**	**5.02**
0.9D + 1.6W 240 deg	**6.21**	**00.00**	**0**	**1**	**0.39**	**-69.54**	**5.34**
	6.21	**00.00**	**120**	**1a**	**4.81**	**-69.60**	**-2.35**
	6.21	**00.00**	**240**	**1b**	**9.96**	**153.71**	**5.76**
0.9D + 1.6W 300 deg	**6.21**	**00.00**	**0**	**1**	**0.32**	**76.81**	**-5.69**
	6.21	**00.00**	**120**	**1a**	**9.14**	**-138.98**	**-5.29**
	6.21	**00.00**	**240**	**1b**	**5.08**	**76.75**	**2.59**
0.9D + 1.6W 330 deg	**6.21**	**00.00**	**0**	**1**	**0.18**	**130.54**	**-9.73**
	6.21	**00.00**	**120**	**1a**	**7.85**	**-120.80**	**-4.78**
	6.21	**00.00**	**240**	**1b**	**0.45**	**4.84**	**-0.18**
1.2D + 1.0Di + 1.0Wi Normal	**6.21**	**00.00**	**0**	**1**	**0.00**	**65.38**	**-4.04**
	6.21	**00.00**	**120**	**1a**	**1.13**	**-5.09**	**-0.81**
	6.21	**00.00**	**240**	**1b**	**-1.13**	**-5.09**	**-0.81**
1.2D + 1.0Di + 1.0Wi 60 deg	**6.21**	**00.00**	**0**	**1**	**-0.13**	**41.63**	**-2.21**
	6.21	**00.00**	**120**	**1a**	**-1.97**	**41.51**	**0.99**
	6.21	**00.00**	**240**	**1b**	**-2.72**	**-27.94**	**-1.57**
1.2D + 1.0Di + 1.0Wi 90 deg	**6.21**	**00.00**	**0**	**1**	**-0.15**	**18.48**	**-0.42**
	6.21	**00.00**	**120**	**1a**	**-3.08**	**58.65**	**1.70**
	6.21	**00.00**	**240**	**1b**	**-2.36**	**-21.92**	**-1.28**
1.2D + 1.0Di + 1.0Wi 120 deg	**6.21**	**00.00**	**0**	**1**	**-0.14**	**-4.98**	**1.39**
	6.21	**00.00**	**120**	**1a**	**-3.49**	**65.27**	**2.02**
	6.21	**00.00**	**240**	**1b**	**-1.27**	**-5.09**	**-0.58**
1.2D + 1.0Di + 1.0Wi 180 deg	**6.21**	**00.00**	**0**	**1**	**0.00**	**-27.83**	**3.15**
	6.21	**00.00**	**120**	**1a**	**-1.84**	**41.51**	**1.21**
	6.21	**00.00**	**240**	**1b**	**1.84**	**41.51**	**1.21**
1.2D + 1.0Di + 1.0Wi 210 deg	**6.21**	**00.00**	**0**	**1**	**0.08**	**-21.76**	**2.68**
	6.21	**00.00**	**120**	**1a**	**-0.29**	**18.36**	**0.34**
	6.21	**00.00**	**240**	**1b**	**3.01**	**58.59**	**1.82**
1.2D + 1.0Di + 1.0Wi 240 deg	**6.21**	**00.00**	**0**	**1**	**0.14**	**-4.98**	**1.39**
	6.21	**00.00**	**120**	**1a**	**1.27**	**-5.09**	**-0.58**
	6.21	**00.00**	**240**	**1b**	**3.49**	**65.27**	**2.02**
1.2D + 1.0Di + 1.0Wi 300 deg	**6.21**	**00.00**	**0**	**1**	**0.13**	**41.63**	**-2.21**
	6.21	**00.00**	**120**	**1a**	**2.72**	**-27.94**	**-1.57**
	6.21	**00.00**	**240**	**1b**	**1.97**	**41.51**	**0.99**
1.2D + 1.0Di + 1.0Wi 330 deg	**6.21**	**00.00**	**0**	**1**	**0.07**	**58.71**	**-3.52**
	6.21	**00.00**	**120**	**1a**	**2.28**	**-21.87**	**-1.41**
	6.21	**00.00**	**240**	**1b**	**0.44**	**18.36**	**0.08**
(1.2 + 0.2Sds) * DL + E Normal M1	**6.21**	**00.00**	**0**	**1**	**0.00**	**12.99**	**-0.85**
	6.21	**00.00**	**120**	**1a**	**-0.19**	**3.33**	**0.12**
	6.21	**00.00**	**240**	**1b**	**0.19**	**3.33**	**0.12**
(1.2 + 0.2Sds) * DL + E Normal M2	**6.21**	**00.00**	**0**	**1**	**0.00**	**14.96**	**-0.95**
	6.21	**00.00**	**120**	**1a**	**-0.14**	**2.34**	**0.11**
	6.21	**00.00**	**240**	**1b**	**0.14**	**2.34**	**0.11**

(1.2 + 0.2Sds) * DL + E 60 deg M1	**6.21**	**00.00**	**0**	**1**	**0.01**	**9.77**	**-0.64**
	6.21	**00.00**	**120**	**1a**	**-0.55**	**9.77**	**0.33**
	6.21	**00.00**	**240**	**1b**	**0.02**	**0.10**	**0.01**
(1.2 + 0.2Sds) * DL + E 60 deg M2	**6.21**	**00.00**	**0**	**1**	**0.02**	**10.67**	**-0.69**
	6.21	**00.00**	**120**	**1a**	**-0.58**	**10.67**	**0.36**
	6.21	**00.00**	**240**	**1b**	**-0.06**	**-1.69**	**-0.03**
(1.2 + 0.2Sds) * DL + E 90 deg M1	**6.21**	**00.00**	**0**	**1**	**0.01**	**6.55**	**-0.43**
	6.21	**00.00**	**120**	**1a**	**-0.68**	**12.13**	**0.40**
	6.21	**00.00**	**240**	**1b**	**0.07**	**0.97**	**0.03**
(1.2 + 0.2Sds) * DL + E 90 deg M2	**6.21**	**00.00**	**0**	**1**	**0.03**	**6.55**	**-0.43**
	6.21	**00.00**	**120**	**1a**	**-0.75**	**13.83**	**0.45**
	6.21	**00.00**	**240**	**1b**	**0.00**	**-0.73**	**-0.02**
(1.2 + 0.2Sds) * DL + E 120 deg M1	**6.21**	**00.00**	**0**	**1**	**0.01**	**3.33**	**-0.23**
	6.21	**00.00**	**120**	**1a**	**-0.74**	**12.99**	**0.43**
	6.21	**00.00**	**240**	**1b**	**0.20**	**3.33**	**0.10**
(1.2 + 0.2Sds) * DL + E 120 deg M2	**6.21**	**00.00**	**0**	**1**	**0.02**	**2.43**	**-0.18**
	6.21	**00.00**	**120**	**1a**	**-0.81**	**14.79**	**0.47**
	6.21	**00.00**	**240**	**1b**	**0.17**	**2.43**	**0.07**
(1.2 + 0.2Sds) * DL + E 180 deg M1	**6.21**	**00.00**	**0**	**1**	**0.00**	**0.10**	**-0.02**
	6.21	**00.00**	**120**	**1a**	**-0.56**	**9.77**	**0.31**
	6.21	**00.00**	**240**	**1b**	**0.56**	**9.77**	**0.31**
(1.2 + 0.2Sds) * DL + E 180 deg M2	**6.21**	**00.00**	**0**	**1**	**0.00**	**-1.86**	**0.08**
	6.21	**00.00**	**120**	**1a**	**-0.61**	**10.75**	**0.32**
	6.21	**00.00**	**240**	**1b**	**0.61**	**10.75**	**0.32**
(1.2 + 0.2Sds) * DL + E 210 deg M1	**6.21**	**00.00**	**0**	**1**	**-0.01**	**0.97**	**-0.07**
	6.21	**00.00**	**120**	**1a**	**-0.38**	**6.55**	**0.21**
	6.21	**00.00**	**240**	**1b**	**0.69**	**12.13**	**0.39**
(1.2 + 0.2Sds) * DL + E 210 deg M2	**6.21**	**00.00**	**0**	**1**	**-0.01**	**-0.59**	**0.00**
	6.21	**00.00**	**120**	**1a**	**-0.39**	**6.55**	**0.19**
	6.21	**00.00**	**240**	**1b**	**0.76**	**13.69**	**0.42**
(1.2 + 0.2Sds) * DL + E 240 deg M1	**6.21**	**00.00**	**0**	**1**	**-0.01**	**3.33**	**-0.23**
	6.21	**00.00**	**120**	**1a**	**-0.20**	**3.33**	**0.10**
	6.21	**00.00**	**240**	**1b**	**0.74**	**12.99**	**0.43**
(1.2 + 0.2Sds) * DL + E 240 deg M2	**6.21**	**00.00**	**0**	**1**	**-0.02**	**2.43**	**-0.18**
	6.21	**00.00**	**120**	**1a**	**-0.17**	**2.43**	**0.07**
	6.21	**00.00**	**240**	**1b**	**0.81**	**14.79**	**0.47**
(1.2 + 0.2Sds) * DL + E 300 deg M1	**6.21**	**00.00**	**0**	**1**	**-0.01**	**9.77**	**-0.64**
	6.21	**00.00**	**120**	**1a**	**-0.02**	**0.10**	**0.01**
	6.21	**00.00**	**240**	**1b**	**0.55**	**9.77**	**0.33**
(1.2 + 0.2Sds) * DL + E 300 deg M2	**6.21**	**00.00**	**0**	**1**	**-0.02**	**10.67**	**-0.69**
	6.21	**00.00**	**120**	**1a**	**0.06**	**-1.69**	**-0.03**
	6.21	**00.00**	**240**	**1b**	**0.58**	**10.67**	**0.36**
(1.2 + 0.2Sds) * DL + E 330 deg M1	**6.21**	**00.00**	**0**	**1**	**-0.01**	**12.13**	**-0.79**
	6.21	**00.00**	**120**	**1a**	**-0.06**	**0.97**	**0.04**
	6.21	**00.00**	**240**	**1b**	**0.37**	**6.55**	**0.23**
(1.2 + 0.2Sds) * DL + E 330 deg M2	**6.21**	**00.00**	**0**	**1**	**-0.01**	**13.69**	**-0.87**
	6.21	**00.00**	**120**	**1a**	**0.01**	**-0.59**	**0.01**
	6.21	**00.00**	**240**	**1b**	**0.36**	**6.55**	**0.24**
(0.9 - 0.2Sds) * DL + E Normal M1	**6.21**	**00.00**	**0**	**1**	**0.00**	**10.98**	**-0.72**

	6.21	00.00	120	1a	-0.08	1.34	0.06
	6.21	00.00	240	1b	0.08	1.34	0.06
(0.9 - 0.2Sds) * DL + E Normal M2	6.21	00.00	0	1	0.00	12.94	-0.82
	6.21	00.00	120	1a	-0.03	0.36	0.04
	6.21	00.00	240	1b	0.03	0.36	0.04
(0.9 - 0.2Sds) * DL + E 60 deg M1	6.21	00.00	0	1	0.01	7.68	-0.50
	6.21	00.00	120	1a	-0.43	7.68	0.26
	6.21	00.00	240	1b	-0.09	-1.70	-0.05
(0.9 - 0.2Sds) * DL + E 60 deg M2	6.21	00.00	0	1	0.02	8.66	-0.55
	6.21	00.00	120	1a	-0.47	8.66	0.30
	6.21	00.00	240	1b	-0.17	-3.66	-0.10
(0.9 - 0.2Sds) * DL + E 90 deg M1	6.21	00.00	0	1	0.01	4.55	-0.30
	6.21	00.00	120	1a	-0.57	10.12	0.34
	6.21	00.00	240	1b	-0.05	-1.01	-0.03
(0.9 - 0.2Sds) * DL + E 90 deg M2	6.21	00.00	0	1	0.03	4.55	-0.30
	6.21	00.00	120	1a	-0.64	11.81	0.39
	6.21	00.00	240	1b	-0.12	-2.70	-0.08
(0.9 - 0.2Sds) * DL + E 120 deg M1	6.21	00.00	0	1	0.01	1.34	-0.09
	6.21	00.00	120	1a	-0.62	10.98	0.36
	6.21	00.00	240	1b	0.09	1.34	0.04
(0.9 - 0.2Sds) * DL + E 120 deg M2	6.21	00.00	0	1	0.02	0.44	-0.05
	6.21	00.00	120	1a	-0.70	12.77	0.40
	6.21	00.00	240	1b	0.06	0.44	0.00
(0.9 - 0.2Sds) * DL + E 180 deg M1	6.21	00.00	0	1	0.00	-1.87	0.11
	6.21	00.00	120	1a	-0.45	7.77	0.25
	6.21	00.00	240	1b	0.45	7.77	0.25
(0.9 - 0.2Sds) * DL + E 180 deg M2	6.21	00.00	0	1	0.00	-3.83	0.21
	6.21	00.00	120	1a	-0.50	8.74	0.26
	6.21	00.00	240	1b	0.50	8.74	0.26
(0.9 - 0.2Sds) * DL + E 210 deg M1	6.21	00.00	0	1	-0.01	-1.01	0.06
	6.21	00.00	120	1a	-0.27	4.55	0.14
	6.21	00.00	240	1b	0.58	10.12	0.33
(0.9 - 0.2Sds) * DL + E 210 deg M2	6.21	00.00	0	1	-0.01	-2.56	0.13
	6.21	00.00	120	1a	-0.28	4.55	0.13
	6.21	00.00	240	1b	0.65	11.67	0.36
(0.9 - 0.2Sds) * DL + E 240 deg M1	6.21	00.00	0	1	-0.01	1.34	-0.09
	6.21	00.00	120	1a	-0.09	1.34	0.04
	6.21	00.00	240	1b	0.62	10.98	0.36
(0.9 - 0.2Sds) * DL + E 240 deg M2	6.21	00.00	0	1	-0.02	0.44	-0.05
	6.21	00.00	120	1a	-0.06	0.44	0.00
	6.21	00.00	240	1b	0.70	12.77	0.40
(0.9 - 0.2Sds) * DL + E 300 deg M1	6.21	00.00	0	1	-0.01	7.68	-0.50
	6.21	00.00	120	1a	0.09	-1.70	-0.05
	6.21	00.00	240	1b	0.43	7.68	0.26
(0.9 - 0.2Sds) * DL + E 300 deg M2	6.21	00.00	0	1	-0.02	8.66	-0.55
	6.21	00.00	120	1a	0.17	-3.66	-0.10
	6.21	00.00	240	1b	0.47	8.66	0.30
(0.9 - 0.2Sds) * DL + E 330 deg M1	6.21	00.00	0	1	-0.01	9.97	-0.65
	6.21	00.00	120	1a	0.05	-0.87	-0.02

	6.21	00.00	240	1b	0.26	4.55	0.16
(0.9 - 0.2Sds) * DL + E 330 deg M2	6.21	00.00	0	1	-0.01	11.67	-0.74
	6.21	00.00	120	1a	0.12	-2.56	-0.05
	6.21	00.00	240	1b	0.25	4.55	0.17
1.0D + 1.0W Service Normal	6.21	00.00	0	1	0.00	38.09	-2.82
	6.21	00.00	120	1a	0.73	-10.95	-0.52
	6.21	00.00	240	1b	-0.73	-10.95	-0.52
1.0D + 1.0W Service 60 deg	6.21	00.00	0	1	-0.08	21.21	-1.54
	6.21	00.00	120	1a	-1.37	21.15	0.71
	6.21	00.00	240	1b	-1.76	-26.16	-1.02
1.0D + 1.0W Service 90 deg	6.21	00.00	0	1	-0.09	5.44	-0.35
	6.21	00.00	120	1a	-2.12	32.93	1.18
	6.21	00.00	240	1b	-1.52	-22.18	-0.83
1.0D + 1.0W Service 120 deg	6.21	00.00	0	1	-0.09	-10.88	0.89
	6.21	00.00	120	1a	-2.44	38.03	1.41
	6.21	00.00	240	1b	-0.81	-10.95	-0.37
1.0D + 1.0W Service 180 deg	6.21	00.00	0	1	0.00	-26.10	2.03
	6.21	00.00	120	1a	-1.29	21.15	0.83
	6.21	00.00	240	1b	1.29	21.15	0.83
1.0D + 1.0W Service 210 deg	6.21	00.00	0	1	0.05	-22.11	1.73
	6.21	00.00	120	1a	-0.26	5.38	0.25
	6.21	00.00	240	1b	2.08	32.93	1.25
1.0D + 1.0W Service 240 deg	6.21	00.00	0	1	0.09	-10.88	0.89
	6.21	00.00	120	1a	0.81	-10.95	-0.37
	6.21	00.00	240	1b	2.44	38.03	1.41
1.0D + 1.0W Service 300 deg	6.21	00.00	0	1	0.08	21.21	-1.54
	6.21	00.00	120	1a	1.76	-26.16	-1.02
	6.21	00.00	240	1b	1.37	21.15	0.71
1.0D + 1.0W Service 330 deg	6.21	00.00	0	1	0.04	33.00	-2.43
	6.21	00.00	120	1a	1.48	-22.18	-0.91
	6.21	00.00	240	1b	0.35	5.38	0.10

Max Uplift:	138.98 (kip)	Moment Ice:	437.37 (kip-ft)	Moment:	1,389.84 (kip-ft)	1.2D + 1.6W Normal - Pat 1
Max Down:	155.77 (kip)	Total Down Ice:	55.20 (kip)	Total Down:	19.43 (kip)	
Max Shear:	11.62 (kip)	Total Shear Ice:	5.66 (kip)	Total Shear:	17.51 (kip)	

Deflections and Rotations

Load Case	Elevation (ft)	Deflection (ft)	Twist (deg)	Sway (deg)	Resultant (deg)
101 mph Normal with No Ice - Pattern 1	91.95	0.858	0.0280	1.2079	1.2079
101 mph Normal with No Ice - Pattern 1	100.00	1.033	0.0275	1.3847	1.3847
101 mph Normal with No Ice - Pattern 1	111.95	1.309	0.0283	1.3555	1.3558
101 mph Normal with No Ice - Pattern 1	125.00	1.620	0.0285	1.3629	1.3632
101 mph Normal with No Ice - Pattern 2	91.95	0.661	0.0199	0.9581	0.9581
101 mph Normal with No Ice - Pattern 2	100.00	0.800	0.0196	1.1093	1.1093
101 mph Normal with No Ice - Pattern 2	111.95	1.021	0.0201	1.0868	1.0870
101 mph Normal with No Ice - Pattern 2	125.00	1.271	0.0202	1.0941	1.0943
101 mph Normal with No Ice - Pattern 3	91.95	0.858	0.0280	1.2079	1.2079
101 mph Normal with No Ice - Pattern 3	100.00	1.033	0.0275	1.3847	1.3847
101 mph Normal with No Ice - Pattern 3	111.95	1.309	0.0283	1.3555	1.3558
101 mph Normal with No Ice - Pattern 3	125.00	1.620	0.0285	1.3629	1.3632
101 mph 60 degree with No Ice - Pattern 1	91.95	0.834	-0.0296	1.1746	1.1746
101 mph 60 degree with No Ice - Pattern 1	100.00	1.003	-0.0304	1.3429	1.3429
101 mph 60 degree with No Ice - Pattern 1	111.95	1.272	-0.0298	1.3192	1.3192
101 mph 60 degree with No Ice - Pattern 1	125.00	1.575	-0.0299	1.3248	1.3251
101 mph 60 degree with No Ice - Pattern 2	91.95	0.648	-0.0210	0.9397	0.9397
101 mph 60 degree with No Ice - Pattern 2	100.00	0.784	-0.0215	1.0849	1.0849
101 mph 60 degree with No Ice - Pattern 2	111.95	1.001	-0.0211	1.0665	1.0665
101 mph 60 degree with No Ice - Pattern 2	125.00	1.245	-0.0212	1.0723	1.0725
101 mph 60 degree with No Ice - Pattern 3	91.95	0.834	-0.0296	1.1746	1.1746
101 mph 60 degree with No Ice - Pattern 3	100.00	1.003	-0.0304	1.3429	1.3429
101 mph 60 degree with No Ice - Pattern 3	111.95	1.272	-0.0298	1.3192	1.3192
101 mph 60 degree with No Ice - Pattern 3	125.00	1.575	-0.0299	1.3248	1.3251
101 mph 90 degree with No Ice - Pattern 1	91.95	0.839	-0.0330	1.1809	1.1810
101 mph 90 degree with No Ice - Pattern 1	100.00	1.010	-0.0331	1.3384	1.3385
101 mph 90 degree with No Ice - Pattern 1	111.95	1.280	-0.0333	1.3271	1.3272
101 mph 90 degree with No Ice - Pattern 1	125.00	1.585	-0.0334	1.3358	1.3362
101 mph 90 degree with No Ice - Pattern 2	91.95	0.650	-0.0236	0.9425	0.9426
101 mph 90 degree with No Ice - Pattern 2	100.00	0.787	-0.0237	1.0781	1.0781
101 mph 90 degree with No Ice - Pattern 2	111.95	1.005	-0.0238	1.0706	1.0706
101 mph 90 degree with No Ice - Pattern 2	125.00	1.251	-0.0239	1.0791	1.0794
101 mph 90 degree with No Ice - Pattern 3	91.95	0.839	-0.0330	1.1809	1.1810
101 mph 90 degree with No Ice - Pattern 3	100.00	1.010	-0.0331	1.3384	1.3385
101 mph 90 degree with No Ice - Pattern 3	111.95	1.280	-0.0333	1.3271	1.3272
101 mph 90 degree with No Ice - Pattern 3	125.00	1.585	-0.0334	1.3358	1.3362
101 mph 120 degree with No Ice - Pattern 1	91.95	0.858	0.0280	1.2061	1.2061
101 mph 120 degree with No Ice - Pattern 1	100.00	1.032	0.0275	1.3826	1.3826
101 mph 120 degree with No Ice - Pattern 1	111.95	1.308	0.0283	1.3536	1.3538
101 mph 120 degree with No Ice - Pattern 1	125.00	1.619	0.0284	1.3611	1.3614
101 mph 120 degree with No Ice - Pattern 2	91.95	0.661	0.0199	0.9563	0.9563
101 mph 120 degree with No Ice - Pattern 2	100.00	0.799	0.0196	1.1072	1.1072
101 mph 120 degree with No Ice - Pattern 2	111.95	1.020	0.0202	1.0849	1.0851
101 mph 120 degree with No Ice - Pattern 2	125.00	1.269	0.0203	1.0923	1.0925
101 mph 120 degree with No Ice - Pattern 3	91.95	0.858	0.0280	1.2061	1.2061
101 mph 120 degree with No Ice - Pattern 3	100.00	1.032	0.0275	1.3826	1.3826
101 mph 120 degree with No Ice - Pattern 3	111.95	1.308	0.0283	1.3536	1.3538
101 mph 120 degree with No Ice - Pattern 3	125.00	1.619	0.0284	1.3611	1.3614
101 mph 180 degree with No Ice - Pattern 1	91.95	0.833	0.0296	1.1728	1.1728
101 mph 180 degree with No Ice - Pattern 1	100.00	1.002	0.0303	1.3414	1.3414
101 mph 180 degree with No Ice - Pattern 1	111.95	1.270	0.0298	1.3173	1.3173
101 mph 180 degree with No Ice - Pattern 1	125.00	1.573	0.0299	1.3230	1.3234
101 mph 180 degree with No Ice - Pattern 2	91.95	0.647	0.0210	0.9379	0.9379
101 mph 180 degree with No Ice - Pattern 2	100.00	0.783	0.0215	1.0833	1.0833
101 mph 180 degree with No Ice - Pattern 2	111.95	0.999	0.0211	1.0646	1.0646

101 mph 180 degree with No Ice - Pattern 2	125.00	1.244	0.0212	1.0705	1.0707
101 mph 180 degree with No Ice - Pattern 3	91.95	0.833	0.0296	1.1728	1.1728
101 mph 180 degree with No Ice - Pattern 3	100.00	1.002	0.0303	1.3414	1.3414
101 mph 180 degree with No Ice - Pattern 3	111.95	1.270	0.0298	1.3173	1.3173
101 mph 180 degree with No Ice - Pattern 3	125.00	1.573	0.0299	1.3230	1.3234
101 mph 210 degree with No Ice - Pattern 1	91.95	0.839	0.0178	1.1800	1.1801
101 mph 210 degree with No Ice - Pattern 1	100.00	1.009	0.0185	1.3372	1.3373
101 mph 210 degree with No Ice - Pattern 1	111.95	1.279	0.0179	1.3260	1.3261
101 mph 210 degree with No Ice - Pattern 1	125.00	1.584	0.0179	1.3347	1.3351
101 mph 210 degree with No Ice - Pattern 2	91.95	0.650	0.0125	0.9417	0.9418
101 mph 210 degree with No Ice - Pattern 2	100.00	0.787	0.0130	1.0768	1.0769
101 mph 210 degree with No Ice - Pattern 2	111.95	1.004	0.0126	1.0695	1.0696
101 mph 210 degree with No Ice - Pattern 2	125.00	1.250	0.0126	1.0780	1.0783
101 mph 210 degree with No Ice - Pattern 3	91.95	0.839	0.0178	1.1800	1.1801
101 mph 210 degree with No Ice - Pattern 3	100.00	1.009	0.0185	1.3372	1.3373
101 mph 210 degree with No Ice - Pattern 3	111.95	1.279	0.0179	1.3260	1.3261
101 mph 210 degree with No Ice - Pattern 3	125.00	1.584	0.0179	1.3347	1.3351
101 mph 240 degree with No Ice - Pattern 1	91.95	0.858	0.0279	1.2061	1.2061
101 mph 240 degree with No Ice - Pattern 1	100.00	1.032	0.0274	1.3826	1.3826
101 mph 240 degree with No Ice - Pattern 1	111.95	1.308	0.0282	1.3536	1.3538
101 mph 240 degree with No Ice - Pattern 1	125.00	1.619	0.0284	1.3611	1.3614
101 mph 240 degree with No Ice - Pattern 2	91.95	0.661	0.0199	0.9563	0.9563
101 mph 240 degree with No Ice - Pattern 2	100.00	0.799	0.0196	1.1072	1.1072
101 mph 240 degree with No Ice - Pattern 2	111.95	1.020	0.0201	1.0849	1.0851
101 mph 240 degree with No Ice - Pattern 2	125.00	1.269	0.0203	1.0923	1.0925
101 mph 240 degree with No Ice - Pattern 3	91.95	0.858	0.0279	1.2061	1.2061
101 mph 240 degree with No Ice - Pattern 3	100.00	1.032	0.0274	1.3826	1.3826
101 mph 240 degree with No Ice - Pattern 3	111.95	1.308	0.0282	1.3536	1.3538
101 mph 240 degree with No Ice - Pattern 3	125.00	1.619	0.0284	1.3611	1.3614
101 mph 300 degree with No Ice - Pattern 1	91.95	0.834	0.0296	1.1746	1.1746
101 mph 300 degree with No Ice - Pattern 1	100.00	1.003	0.0304	1.3429	1.3429
101 mph 300 degree with No Ice - Pattern 1	111.95	1.272	0.0298	1.3192	1.3192
101 mph 300 degree with No Ice - Pattern 1	125.00	1.575	0.0299	1.3248	1.3251
101 mph 300 degree with No Ice - Pattern 2	91.95	0.648	0.0210	0.9397	0.9397
101 mph 300 degree with No Ice - Pattern 2	100.00	0.784	0.0215	1.0849	1.0849
101 mph 300 degree with No Ice - Pattern 2	111.95	1.001	0.0211	1.0665	1.0665
101 mph 300 degree with No Ice - Pattern 2	125.00	1.245	0.0212	1.0723	1.0725
101 mph 300 degree with No Ice - Pattern 3	91.95	0.834	0.0296	1.1746	1.1746
101 mph 300 degree with No Ice - Pattern 3	100.00	1.003	0.0304	1.3429	1.3429
101 mph 300 degree with No Ice - Pattern 3	111.95	1.272	0.0298	1.3192	1.3192
101 mph 300 degree with No Ice - Pattern 3	125.00	1.575	0.0299	1.3248	1.3251
101 mph 330 degree with No Ice - Pattern 1	91.95	0.840	0.0178	1.1821	1.1822
101 mph 330 degree with No Ice - Pattern 1	100.00	1.011	0.0185	1.3396	1.3398
101 mph 330 degree with No Ice - Pattern 1	111.95	1.281	0.0180	1.3282	1.3283
101 mph 330 degree with No Ice - Pattern 1	125.00	1.586	0.0180	1.3368	1.3372
101 mph 330 degree with No Ice - Pattern 2	91.95	0.651	0.0126	0.9438	0.9439
101 mph 330 degree with No Ice - Pattern 2	100.00	0.788	0.0131	1.0793	1.0794
101 mph 330 degree with No Ice - Pattern 2	111.95	1.006	0.0126	1.0717	1.0717
101 mph 330 degree with No Ice - Pattern 2	125.00	1.252	0.0126	1.0801	1.0804
101 mph 330 degree with No Ice - Pattern 3	91.95	0.840	0.0178	1.1821	1.1822
101 mph 330 degree with No Ice - Pattern 3	100.00	1.011	0.0185	1.3396	1.3398
101 mph 330 degree with No Ice - Pattern 3	111.95	1.281	0.0180	1.3282	1.3283
101 mph 330 degree with No Ice - Pattern 3	125.00	1.586	0.0180	1.3368	1.3372
101 mph Normal with No Ice (Reduced DL)	91.95	0.855	0.0279	1.2024	1.2024
101 mph Normal with No Ice (Reduced DL)	100.00	1.029	0.0274	1.3780	1.3780
101 mph Normal with No Ice (Reduced DL)	111.95	1.304	0.0282	1.3491	1.3494
101 mph Normal with No Ice (Reduced DL)	125.00	1.614	0.0284	1.3565	1.3567
101 mph 60 deg with No Ice (Reduced DL)	91.95	0.830	-0.0294	1.1694	1.1694
101 mph 60 deg with No Ice (Reduced DL)	100.00	0.999	-0.0302	1.3370	1.3370
101 mph 60 deg with No Ice (Reduced DL)	111.95	1.267	-0.0296	1.3129	1.3129
101 mph 60 deg with No Ice (Reduced DL)	125.00	1.568	-0.0297	1.3190	1.3194
101 mph 90 deg with No Ice (Reduced DL)	91.95	0.836	-0.0329	1.1758	1.1760

101 mph 90 deg with No Ice (Reduced DL)	100.00	1.006	-0.0330	1.3323	1.3324
101 mph 90 deg with No Ice (Reduced DL)	111.95	1.275	-0.0332	1.3211	1.3212
101 mph 90 deg with No Ice (Reduced DL)	125.00	1.578	-0.0333	1.3299	1.3303
101 mph 120 deg with No Ice (Reduced DL)	91.95	0.855	0.0279	1.2011	1.2011
101 mph 120 deg with No Ice (Reduced DL)	100.00	1.028	0.0274	1.3764	1.3764
101 mph 120 deg with No Ice (Reduced DL)	111.95	1.303	0.0282	1.3476	1.3479
101 mph 120 deg with No Ice (Reduced DL)	125.00	1.612	0.0283	1.3551	1.3554
101 mph 180 deg with No Ice (Reduced DL)	91.95	0.830	0.0295	1.1681	1.1681
101 mph 180 deg with No Ice (Reduced DL)	100.00	0.999	0.0302	1.3359	1.3359
101 mph 180 deg with No Ice (Reduced DL)	111.95	1.265	0.0297	1.3116	1.3116
101 mph 180 deg with No Ice (Reduced DL)	125.00	1.567	0.0298	1.3177	1.3180
101 mph 210 deg with No Ice (Reduced DL)	91.95	0.836	0.0177	1.1752	1.1754
101 mph 210 deg with No Ice (Reduced DL)	100.00	1.006	0.0184	1.3313	1.3314
101 mph 210 deg with No Ice (Reduced DL)	111.95	1.275	0.0178	1.3202	1.3204
101 mph 210 deg with No Ice (Reduced DL)	125.00	1.578	0.0179	1.3291	1.3295
101 mph 240 deg with No Ice (Reduced DL)	91.95	0.855	0.0279	1.2011	1.2011
101 mph 240 deg with No Ice (Reduced DL)	100.00	1.028	0.0274	1.3764	1.3764
101 mph 240 deg with No Ice (Reduced DL)	111.95	1.303	0.0282	1.3476	1.3479
101 mph 240 deg with No Ice (Reduced DL)	125.00	1.612	0.0283	1.3551	1.3554
101 mph 300 deg with No Ice (Reduced DL)	91.95	0.830	0.0294	1.1694	1.1694
101 mph 300 deg with No Ice (Reduced DL)	100.00	0.999	0.0302	1.3370	1.3370
101 mph 300 deg with No Ice (Reduced DL)	111.95	1.267	0.0296	1.3129	1.3129
101 mph 300 deg with No Ice (Reduced DL)	125.00	1.568	0.0297	1.3190	1.3194
101 mph 330 deg with No Ice (Reduced DL)	91.95	0.837	0.0178	1.1767	1.1769
101 mph 330 deg with No Ice (Reduced DL)	100.00	1.007	0.0185	1.3332	1.3334
101 mph 330 deg with No Ice (Reduced DL)	111.95	1.276	0.0179	1.3219	1.3220
101 mph 330 deg with No Ice (Reduced DL)	125.00	1.579	0.0179	1.3306	1.3310
50 mph Normal with 0.75 in Radial Ice	91.95	0.264	0.0085	0.3660	0.3660
50 mph Normal with 0.75 in Radial Ice	100.00	0.317	0.0083	0.4180	0.4180
50 mph Normal with 0.75 in Radial Ice	111.95	0.400	0.0081	0.4084	0.4085
50 mph Normal with 0.75 in Radial Ice	125.00	0.494	0.0080	0.4111	0.4111
50 mph 60 deg with 0.75 in Radial Ice	91.95	0.261	-0.0086	0.3617	0.3617
50 mph 60 deg with 0.75 in Radial Ice	100.00	0.313	-0.0085	0.4088	0.4088
50 mph 60 deg with 0.75 in Radial Ice	111.95	0.395	-0.0082	0.4044	0.4044
50 mph 60 deg with 0.75 in Radial Ice	125.00	0.488	-0.0080	0.4063	0.4063
50 mph 90 deg with 0.75 in Radial Ice	91.95	0.262	-0.0101	0.3620	0.3621
50 mph 90 deg with 0.75 in Radial Ice	100.00	0.314	-0.0100	0.4084	0.4085
50 mph 90 deg with 0.75 in Radial Ice	111.95	0.396	-0.0098	0.4049	0.4049
50 mph 90 deg with 0.75 in Radial Ice	125.00	0.489	-0.0097	0.4071	0.4071
50 mph 120 deg with 0.75 in Radial Ice	91.95	0.263	-0.0085	0.3635	0.3635
50 mph 120 deg with 0.75 in Radial Ice	100.00	0.316	-0.0083	0.4153	0.4153
50 mph 120 deg with 0.75 in Radial Ice	111.95	0.398	-0.0081	0.4058	0.4059
50 mph 120 deg with 0.75 in Radial Ice	125.00	0.491	0.0080	0.4085	0.4085
50 mph 180 deg with 0.75 in Radial Ice	91.95	0.260	0.0086	0.3592	0.3592
50 mph 180 deg with 0.75 in Radial Ice	100.00	0.312	0.0085	0.4063	0.4063
50 mph 180 deg with 0.75 in Radial Ice	111.95	0.393	0.0082	0.4018	0.4018
50 mph 180 deg with 0.75 in Radial Ice	125.00	0.485	0.0080	0.4037	0.4037
50 mph 210 deg with 0.75 in Radial Ice	91.95	0.261	0.0050	0.3601	0.3601
50 mph 210 deg with 0.75 in Radial Ice	100.00	0.313	0.0050	0.4063	0.4064
50 mph 210 deg with 0.75 in Radial Ice	111.95	0.394	0.0048	0.4027	0.4028
50 mph 210 deg with 0.75 in Radial Ice	125.00	0.487	0.0047	0.4050	0.4050
50 mph 240 deg with 0.75 in Radial Ice	91.95	0.263	0.0085	0.3635	0.3635
50 mph 240 deg with 0.75 in Radial Ice	100.00	0.316	0.0083	0.4153	0.4153
50 mph 240 deg with 0.75 in Radial Ice	111.95	0.398	0.0081	0.4058	0.4059
50 mph 240 deg with 0.75 in Radial Ice	125.00	0.491	0.0080	0.4085	0.4085
50 mph 300 deg with 0.75 in Radial Ice	91.95	0.261	0.0086	0.3617	0.3617
50 mph 300 deg with 0.75 in Radial Ice	100.00	0.313	0.0085	0.4088	0.4088
50 mph 300 deg with 0.75 in Radial Ice	111.95	0.395	0.0082	0.4044	0.4044
50 mph 300 deg with 0.75 in Radial Ice	125.00	0.488	0.0080	0.4063	0.4063
50 mph 330 deg with 0.75 in Radial Ice	91.95	0.262	0.0050	0.3630	0.3631
50 mph 330 deg with 0.75 in Radial Ice	100.00	0.315	0.0050	0.4094	0.4095
50 mph 330 deg with 0.75 in Radial Ice	111.95	0.397	0.0048	0.4058	0.4058

50 mph 330 deg with 0.75 in Radial Ice	125.00	0.490	0.0047	0.4080	0.4080
Seismic Normal M1	91.95	0.041	0.0008	0.0601	0.0601
Seismic Normal M1	100.00	0.049	0.0008	0.0703	0.0703
Seismic Normal M1	111.95	0.063	0.0007	0.0694	0.0694
Seismic Normal M1	125.00	0.079	0.0006	0.0703	0.0703
Seismic Normal M2	91.95	0.057	0.0011	0.0877	0.0877
Seismic Normal M2	100.00	0.069	0.0010	0.1043	0.1043
Seismic Normal M2	111.95	0.090	0.0009	0.1046	0.1046
Seismic Normal M2	125.00	0.115	0.0008	0.1066	0.1066
Seismic 60 deg M1	91.95	0.041	0.0008	0.0601	0.0601
Seismic 60 deg M1	100.00	0.049	0.0008	0.0691	0.0691
Seismic 60 deg M1	111.95	0.063	0.0007	0.0696	0.0696
Seismic 60 deg M1	125.00	0.079	0.0006	0.0705	0.0705
Seismic 60 deg M2	91.95	0.056	0.0010	0.0863	0.0863
Seismic 60 deg M2	100.00	0.068	0.0009	0.1015	0.1015
Seismic 60 deg M2	111.95	0.089	0.0008	0.1032	0.1032
Seismic 60 deg M2	125.00	0.113	0.0007	0.1044	0.1044
Seismic 90 deg M1	91.95	0.041	-0.0010	0.0601	0.0601
Seismic 90 deg M1	100.00	0.049	-0.0009	0.0693	0.0693
Seismic 90 deg M1	111.95	0.063	-0.0008	0.0695	0.0695
Seismic 90 deg M1	125.00	0.079	-0.0007	0.0705	0.0705
Seismic 90 deg M2	91.95	0.057	-0.0012	0.0877	0.0877
Seismic 90 deg M2	100.00	0.069	-0.0012	0.1028	0.1028
Seismic 90 deg M2	111.95	0.090	-0.0010	0.1047	0.1047
Seismic 90 deg M2	125.00	0.115	-0.0010	0.1064	0.1064
Seismic 120 deg M1	91.95	0.041	0.0008	0.0601	0.0601
Seismic 120 deg M1	100.00	0.049	0.0008	0.0703	0.0703
Seismic 120 deg M1	111.95	0.063	0.0007	0.0694	0.0694
Seismic 120 deg M1	125.00	0.079	0.0006	0.0703	0.0703
Seismic 120 deg M2	91.95	0.056	0.0010	0.0863	0.0863
Seismic 120 deg M2	100.00	0.068	0.0009	0.1026	0.1026
Seismic 120 deg M2	111.95	0.089	0.0008	0.1030	0.1030
Seismic 120 deg M2	125.00	0.113	0.0007	0.1050	0.1050
Seismic 180 deg M1	91.95	0.041	0.0008	0.0601	0.0601
Seismic 180 deg M1	100.00	0.049	0.0008	0.0691	0.0691
Seismic 180 deg M1	111.95	0.063	0.0007	0.0695	0.0695
Seismic 180 deg M1	125.00	0.079	0.0006	0.0705	0.0705
Seismic 180 deg M2	91.95	0.057	0.0011	0.0878	0.0878
Seismic 180 deg M2	100.00	0.069	0.0010	0.1031	0.1031
Seismic 180 deg M2	111.95	0.090	0.0009	0.1048	0.1048
Seismic 180 deg M2	125.00	0.115	0.0009	0.1060	0.1060
Seismic 210 deg M1	91.95	0.041	0.0005	0.0601	0.0601
Seismic 210 deg M1	100.00	0.049	0.0005	0.0693	0.0693
Seismic 210 deg M1	111.95	0.063	0.0004	0.0695	0.0695
Seismic 210 deg M1	125.00	0.079	0.0004	0.0705	0.0705
Seismic 210 deg M2	91.95	0.056	0.0006	0.0863	0.0863
Seismic 210 deg M2	100.00	0.068	0.0005	0.1011	0.1011
Seismic 210 deg M2	111.95	0.089	0.0005	0.1031	0.1031
Seismic 210 deg M2	125.00	0.113	0.0004	0.1048	0.1048
Seismic 240 deg M1	91.95	0.041	0.0008	0.0601	0.0601
Seismic 240 deg M1	100.00	0.049	0.0008	0.0703	0.0703
Seismic 240 deg M1	111.95	0.063	0.0007	0.0694	0.0694
Seismic 240 deg M1	125.00	0.079	0.0006	0.0703	0.0703
Seismic 240 deg M2	91.95	0.056	0.0010	0.0863	0.0863
Seismic 240 deg M2	100.00	0.068	0.0009	0.1026	0.1026
Seismic 240 deg M2	111.95	0.089	0.0008	0.1030	0.1030
Seismic 240 deg M2	125.00	0.113	0.0007	0.1050	0.1050
Seismic 300 deg M1	91.95	0.041	0.0008	0.0601	0.0601
Seismic 300 deg M1	100.00	0.049	0.0008	0.0691	0.0691
Seismic 300 deg M1	111.95	0.063	0.0007	0.0696	0.0696
Seismic 300 deg M1	125.00	0.079	0.0006	0.0705	0.0705
Seismic 300 deg M2	91.95	0.056	0.0010	0.0863	0.0863

Seismic 300 deg M2	100.00	0.068	0.0009	0.1015	0.1015
Seismic 300 deg M2	111.95	0.089	0.0008	0.1032	0.1032
Seismic 300 deg M2	125.00	0.113	0.0007	0.1044	0.1044
Seismic 330 deg M1	91.95	0.041	0.0005	0.0601	0.0601
Seismic 330 deg M1	100.00	0.049	0.0005	0.0693	0.0693
Seismic 330 deg M1	111.95	0.063	0.0004	0.0695	0.0695
Seismic 330 deg M1	125.00	0.079	0.0004	0.0705	0.0705
Seismic 330 deg M2	91.95	0.056	0.0006	0.0863	0.0863
Seismic 330 deg M2	100.00	0.068	0.0005	0.1011	0.1011
Seismic 330 deg M2	111.95	0.089	0.0005	0.1031	0.1031
Seismic 330 deg M2	125.00	0.113	0.0004	0.1048	0.1048
Seismic (Reduced DL) Normal M1	91.95	0.041	0.0008	0.0598	0.0598
Seismic (Reduced DL) Normal M1	100.00	0.049	0.0008	0.0698	0.0698
Seismic (Reduced DL) Normal M1	111.95	0.063	0.0007	0.0690	0.0690
Seismic (Reduced DL) Normal M1	125.00	0.079	0.0006	0.0698	0.0698
Seismic (Reduced DL) Normal M2	91.95	0.056	0.0010	0.0873	0.0873
Seismic (Reduced DL) Normal M2	100.00	0.069	0.0010	0.1036	0.1036
Seismic (Reduced DL) Normal M2	111.95	0.090	0.0009	0.1040	0.1040
Seismic (Reduced DL) Normal M2	125.00	0.114	0.0008	0.1059	0.1059
Seismic (Reduced DL) 60 deg M1	91.95	0.039	0.0008	0.0584	0.0584
Seismic (Reduced DL) 60 deg M1	100.00	0.048	0.0007	0.0673	0.0673
Seismic (Reduced DL) 60 deg M1	111.95	0.062	0.0006	0.0675	0.0675
Seismic (Reduced DL) 60 deg M1	125.00	0.077	0.0005	0.0682	0.0682
Seismic (Reduced DL) 60 deg M2	91.95	0.055	0.0010	0.0859	0.0859
Seismic (Reduced DL) 60 deg M2	100.00	0.068	0.0009	0.1011	0.1011
Seismic (Reduced DL) 60 deg M2	111.95	0.088	0.0008	0.1026	0.1026
Seismic (Reduced DL) 60 deg M2	125.00	0.112	0.0007	0.1035	0.1035
Seismic (Reduced DL) 90 deg M1	91.95	0.041	-0.0010	0.0598	0.0598
Seismic (Reduced DL) 90 deg M1	100.00	0.049	-0.0009	0.0688	0.0688
Seismic (Reduced DL) 90 deg M1	111.95	0.063	-0.0008	0.0691	0.0691
Seismic (Reduced DL) 90 deg M1	125.00	0.079	-0.0007	0.0698	0.0698
Seismic (Reduced DL) 90 deg M2	91.95	0.056	-0.0012	0.0872	0.0872
Seismic (Reduced DL) 90 deg M2	100.00	0.069	-0.0012	0.1021	0.1021
Seismic (Reduced DL) 90 deg M2	111.95	0.090	-0.0010	0.1041	0.1041
Seismic (Reduced DL) 90 deg M2	125.00	0.114	-0.0010	0.1059	0.1059
Seismic (Reduced DL) 120 deg M1	91.95	0.041	0.0008	0.0598	0.0598
Seismic (Reduced DL) 120 deg M1	100.00	0.049	0.0008	0.0698	0.0698
Seismic (Reduced DL) 120 deg M1	111.95	0.063	0.0007	0.0690	0.0690
Seismic (Reduced DL) 120 deg M1	125.00	0.079	0.0006	0.0698	0.0698
Seismic (Reduced DL) 120 deg M2	91.95	0.055	0.0010	0.0858	0.0858
Seismic (Reduced DL) 120 deg M2	100.00	0.068	0.0009	0.1020	0.1020
Seismic (Reduced DL) 120 deg M2	111.95	0.088	0.0008	0.1025	0.1025
Seismic (Reduced DL) 120 deg M2	125.00	0.112	0.0007	0.1043	0.1043
Seismic (Reduced DL) 180 deg M1	91.95	0.041	0.0008	0.0598	0.0598
Seismic (Reduced DL) 180 deg M1	100.00	0.049	0.0008	0.0690	0.0690
Seismic (Reduced DL) 180 deg M1	111.95	0.063	0.0007	0.0691	0.0691
Seismic (Reduced DL) 180 deg M1	125.00	0.079	0.0006	0.0698	0.0698
Seismic (Reduced DL) 180 deg M2	91.95	0.056	0.0011	0.0873	0.0873
Seismic (Reduced DL) 180 deg M2	100.00	0.069	0.0010	0.1028	0.1028
Seismic (Reduced DL) 180 deg M2	111.95	0.090	0.0009	0.1042	0.1042
Seismic (Reduced DL) 180 deg M2	125.00	0.114	0.0008	0.1050	0.1050
Seismic (Reduced DL) 210 deg M1	91.95	0.041	0.0005	0.0598	0.0598
Seismic (Reduced DL) 210 deg M1	100.00	0.049	0.0005	0.0688	0.0688
Seismic (Reduced DL) 210 deg M1	111.95	0.063	0.0004	0.0691	0.0691
Seismic (Reduced DL) 210 deg M1	125.00	0.079	0.0004	0.0698	0.0698
Seismic (Reduced DL) 210 deg M2	91.95	0.055	0.0006	0.0858	0.0858
Seismic (Reduced DL) 210 deg M2	100.00	0.068	0.0005	0.1005	0.1005
Seismic (Reduced DL) 210 deg M2	111.95	0.088	0.0004	0.1026	0.1026
Seismic (Reduced DL) 210 deg M2	125.00	0.112	0.0004	0.1043	0.1043
Seismic (Reduced DL) 240 deg M1	91.95	0.041	0.0008	0.0598	0.0598
Seismic (Reduced DL) 240 deg M1	100.00	0.049	0.0008	0.0698	0.0698
Seismic (Reduced DL) 240 deg M1	111.95	0.063	0.0007	0.0690	0.0690

Seismic (Reduced DL) 240 deg M1	125.00	0.079	0.0006	0.0698	0.0698
Seismic (Reduced DL) 240 deg M2	91.95	0.055	0.0010	0.0858	0.0858
Seismic (Reduced DL) 240 deg M2	100.00	0.068	0.0009	0.1020	0.1020
Seismic (Reduced DL) 240 deg M2	111.95	0.088	0.0008	0.1025	0.1025
Seismic (Reduced DL) 240 deg M2	125.00	0.112	0.0007	0.1043	0.1043
Seismic (Reduced DL) 300 deg M1	91.95	0.039	0.0008	0.0584	0.0584
Seismic (Reduced DL) 300 deg M1	100.00	0.048	0.0007	0.0673	0.0673
Seismic (Reduced DL) 300 deg M1	111.95	0.062	0.0006	0.0675	0.0675
Seismic (Reduced DL) 300 deg M1	125.00	0.077	0.0005	0.0682	0.0682
Seismic (Reduced DL) 300 deg M2	91.95	0.055	0.0010	0.0859	0.0859
Seismic (Reduced DL) 300 deg M2	100.00	0.068	0.0009	0.1011	0.1011
Seismic (Reduced DL) 300 deg M2	111.95	0.088	0.0008	0.1026	0.1026
Seismic (Reduced DL) 300 deg M2	125.00	0.112	0.0007	0.1035	0.1035
Seismic (Reduced DL) 330 deg M1	91.95	0.040	0.0004	0.0583	0.0583
Seismic (Reduced DL) 330 deg M1	100.00	0.048	0.0004	0.0672	0.0672
Seismic (Reduced DL) 330 deg M1	111.95	0.062	0.0003	0.0675	0.0675
Seismic (Reduced DL) 330 deg M1	125.00	0.077	0.0003	0.0682	0.0682
Seismic (Reduced DL) 330 deg M2	91.95	0.055	0.0006	0.0858	0.0858
Seismic (Reduced DL) 330 deg M2	100.00	0.068	0.0005	0.1005	0.1005
Seismic (Reduced DL) 330 deg M2	111.95	0.088	0.0004	0.1026	0.1026
Seismic (Reduced DL) 330 deg M2	125.00	0.112	0.0004	0.1043	0.1043
Serviceability - 60 mph Wind Normal	91.95	0.188	0.0053	0.2642	0.2642
Serviceability - 60 mph Wind Normal	100.00	0.226	0.0052	0.3030	0.3030
Serviceability - 60 mph Wind Normal	111.95	0.286	0.0048	0.2968	0.2968
Serviceability - 60 mph Wind Normal	125.00	0.354	0.0047	0.2986	0.2986
Serviceability - 60 mph Wind 60 deg	91.95	0.182	-0.0052	0.2565	0.2565
Serviceability - 60 mph Wind 60 deg	100.00	0.219	-0.0051	0.2928	0.2928
Serviceability - 60 mph Wind 60 deg	111.95	0.278	-0.0047	0.2885	0.2885
Serviceability - 60 mph Wind 60 deg	125.00	0.344	-0.0046	0.2893	0.2893
Serviceability - 60 mph Wind 90 deg	91.95	0.183	-0.0060	0.2576	0.2576
Serviceability - 60 mph Wind 90 deg	100.00	0.220	-0.0059	0.2921	0.2921
Serviceability - 60 mph Wind 90 deg	111.95	0.279	-0.0055	0.2899	0.2899
Serviceability - 60 mph Wind 90 deg	125.00	0.346	-0.0053	0.2913	0.2914
Serviceability - 60 mph Wind 120 deg	91.95	0.187	0.0053	0.2627	0.2627
Serviceability - 60 mph Wind 120 deg	100.00	0.225	0.0052	0.3014	0.3014
Serviceability - 60 mph Wind 120 deg	111.95	0.285	0.0048	0.2952	0.2953
Serviceability - 60 mph Wind 120 deg	125.00	0.353	0.0047	0.2971	0.2971
Serviceability - 60 mph Wind 180 deg	91.95	0.181	0.0052	0.2550	0.2550
Serviceability - 60 mph Wind 180 deg	100.00	0.218	0.0051	0.2913	0.2913
Serviceability - 60 mph Wind 180 deg	111.95	0.276	0.0047	0.2870	0.2870
Serviceability - 60 mph Wind 180 deg	125.00	0.342	0.0046	0.2878	0.2878
Serviceability - 60 mph Wind 210 deg	91.95	0.183	0.0031	0.2568	0.2568
Serviceability - 60 mph Wind 210 deg	100.00	0.220	0.0030	0.2912	0.2912
Serviceability - 60 mph Wind 210 deg	111.95	0.279	0.0028	0.2890	0.2891
Serviceability - 60 mph Wind 210 deg	125.00	0.345	0.0027	0.2904	0.2905
Serviceability - 60 mph Wind 240 deg	91.95	0.187	0.0053	0.2627	0.2627
Serviceability - 60 mph Wind 240 deg	100.00	0.225	0.0052	0.3014	0.3014
Serviceability - 60 mph Wind 240 deg	111.95	0.285	0.0048	0.2952	0.2953
Serviceability - 60 mph Wind 240 deg	125.00	0.353	0.0047	0.2971	0.2971
Serviceability - 60 mph Wind 300 deg	91.95	0.182	0.0052	0.2565	0.2565
Serviceability - 60 mph Wind 300 deg	100.00	0.219	0.0051	0.2928	0.2928
Serviceability - 60 mph Wind 300 deg	111.95	0.278	0.0047	0.2885	0.2885
Serviceability - 60 mph Wind 300 deg	125.00	0.344	0.0046	0.2893	0.2893
Serviceability - 60 mph Wind 330 deg	91.95	0.184	0.0031	0.2585	0.2585
Serviceability - 60 mph Wind 330 deg	100.00	0.221	0.0030	0.2930	0.2930
Serviceability - 60 mph Wind 330 deg	111.95	0.280	0.0028	0.2908	0.2908
Serviceability - 60 mph Wind 330 deg	125.00	0.347	0.0027	0.2922	0.2922

Maximum Reactions Summary

	Vertical (kip)				Horizontal (kip)		Moment (kip-ft)	
Anchor Group	DL+WL	DL+WL+IL	UpLift	Shear	DL+WL	DL+WL+IL	DL+WL	DL+WL+IL
Base	19.43	55.20	155.77	11.62	17.51	5.66	1389.84	437.37