

UPS CampusShip: View/Print Label

1. **Ensure there are no other shipping or tracking labels attached to your package.** Select the Print button on the print dialog box that appears. Note: If your browser does not support this function select Print from the File menu to print the label.
2. **Fold the printed label at the solid line below.** Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.
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.

Schedule a same day or future day Pickup to have a UPS driver pickup all your CampusShip packages.

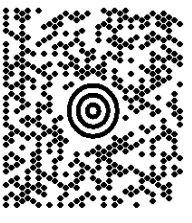
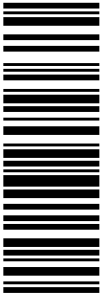
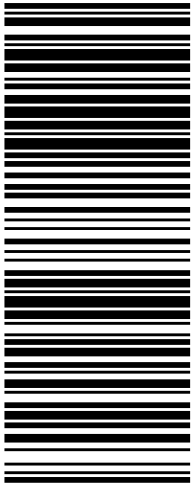
Hand the package to any UPS driver in your area.

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

1 LBS		1 OF 1	
SHIP TO: PATRICIA NOWAK 508-265-5599 CENTERLINE COMMUNICATIONS, LLC 750 WEST CENTER STREET WEST BRIDGEWATER MA 02379			
MELANIE A. BACHMAN 18608272935 CONNECTICUT SITING COUNCIL EXECUTIVE DIRECTOR TEN FRANKLIN SQUARE NEW BRITAIN CT 06051-2655			
		CT 067 9-06 	
UPS GROUND TRACKING #: 1Z 9Y4 503 03 0089 9928			
			
BILLING: P/P			
Reference # 1: CT1056 - CSC CS 22.0.12. WNTNV50 34.0A 10/2020* 			

October 28, 2020

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

Regarding: Notice of Exempt Modification – AT&T Site CT1056
Address: 297 North Street, Plymouth, CT 06782

Dear Ms. Bachman:

New Cingular Wireless, PCS, LLC (hereinafter “AT&T”) currently maintains a wireless telecommunications facility on an existing 180’ monopole tower (the “Tower”) at the above-referenced address, latitude 41.693100, longitude -73.053700. Said Tower is owned by American Tower Corporation.

AT&T desires to modify its existing telecommunications facility on the Tower by swapping (3) antennas, adding (3) antennas, swapping (3) remote radio units, adding (3) remote radio units, and adding (1) surge arrestor with accompanying lines, as well as, other related modifications, as more particularly detailed and described in the enclosed Construction Drawings prepared SMW Engineering Group, Inc., dated July 10, 2020. Enclosed please also find a Mount Analysis Report prepared by Infinigy dated July 2, 2020. The centerline height of the antennas will be at 185 feet.

The Tower was originally approved by the Connecticut Siting Council under Docket No. 138 on November 26, 1990. Attached please find a copy of the Docket No. 138 Decision and Order.

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 David V. Merchant, Mayor of the Town of Plymouth; Scott Eisenlohr, Zoning Enforcement Officer of the Town of Plymouth; Raymond and Brenda Lagosz, as the property owner; and American Tower Corporation, as Tower owner. Enclosed please find the property card and a GIS map of the property.

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 find a Radio Frequency Emissions 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. *Enclosed please find the Structural Analysis Report dated August 19, 2020 and prepared by American Tower Corporation.*

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
 Exhibit 3 – CSC D&O
 Exhibit 4 – Property Card and GIS Map
 Exhibit 5 – Radio Frequency Emissions Report
 Exhibit 6 – Structural Analysis

cc: The Honorable David V. Merchant, Mayor of the Town of Plymouth
 Scott Eisenlohr, Zoning Enforcement Officer of the Town of Plymouth
 Raymond and Brenda Lagosz, as the property owner
 American Tower Corporation, as Tower owner

EXHIBIT 1



VICINITY MAP

CURRENT PROJECTS:

3C - PACE #: MRCTB047182
4TX4RX - PACE #: MRCTB047277
5G NR - PACE #: MRCTB047167



AMERICAN TOWER®

ATC SITE NAME: PLYMOUTH CT 3
ATC SITE NUMBER: 302501
AT&T PACE NUMBER: MRCTB047182/MRCTB047277/
MRCTB047167
AT&T SITE ID: CTL01056
AT&T FA CODE:10035015
AT&T SITE NAME: PLYMOUTH
SITE ADDRESS: 297 NORTH STREET
PLYMOUTH, CT 06782-2009

AT&T MOBILITY
ANTENNA AMENDMENT PLAN



LOCATION MAP

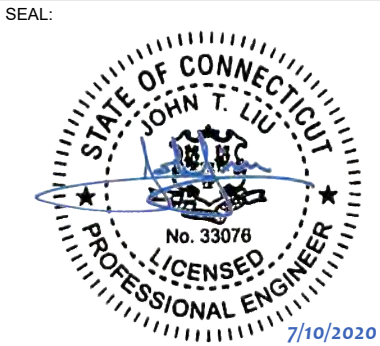
COMPLIANCE CODE	PROJECT SUMMARY	PROJECT DESCRIPTION	SHEET INDEX																																	
ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNMENT AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES. 1. INTERNATIONAL BUILDING CODE (IBC) 2. NATIONAL ELECTRIC CODE (NEC) 3. LOCAL BUILDING CODE 4. CITY/COUNTY ORDINANCES	<u>SITE ADDRESS:</u> 297 NORTH STREET PLYMOUTH, CT 06782-2009 COUNTY: LITCHFIELD <u>GEOGRAPHIC COORDINATES:</u> LATITUDE: 41.69308333 LONGITUDE: -73.0537 GROUND ELEVATION: 818' AMSL	THE PROPOSED PROJECT INCLUDES MODIFYING GROUND BASED AND TOWER MOUNTED EQUIPMENT AS INDICATED PER BELOW: <u>TOWER WORK:</u> REMOVE (3) GSM ANTENNAS, (3) LTE RRH'S, (12) LGP 21901 DIPLEXERS, AND (6) 1-1/4" COAX CABLES INSTALL (6) LTE ANTENNAS, (6) LTE RRH'S, (1) DC/FIBER SQUID, (2) 0.78" 8AWG6 DC TRUNKS, (1) 0.39" FIBER TRUNK, AND MOUNT MODIFICATIONS EXISTING (3) UMTS ANTENNAS, (3) LTE ANTENNAS, (3) LTE RRH'S, (1) DC/FIBER SQUID, (2) 0.78" 8AWG6 DC TRUNKS, (1) 0.39" FIBER TRUNK, AND (6) 1-1/4" COAX CABLES TO REMAIN <u>GROUND WORK:</u> INSTALL (1) 6630, (1) HOME RUN RET, AND (1) IDLE	SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:																													
			G-001	TITLE SHEET	0	07/10/20	ZDS																													
			G-002	GENERAL NOTES	0	07/10/20	ZDS																													
			C-101	DETAILED SITE PLAN	0	07/10/20	ZDS																													
			C-201	TOWER ELEVATION	0	07/10/20	ZDS																													
			C-401	RF SCHEDULE AND ANTENNA INSTALLATION	0	07/10/20	ZDS																													
			C-501	CONSTRUCTION DETAILS	0	07/10/20	ZDS																													
			C-502	EQUIPMENT SPECIFICATIONS	0	07/10/20	ZDS																													
			E-501	GROUNDING DETAILS	0	07/10/20	ZDS																													
			R-601	MOUNT ANALYSIS SUPPLEMENTAL																																
R-602	RFDS PLUMBING DIAGRAM																																			
UTILITY COMPANIES POWER COMPANY: EVERSOURCE PHONE: (877) 659-6326 TELEPHONE COMPANY: FRONTIER COMMUNICATIONS PHONE: (800) 921-8102	PROJECT TEAM <table><tr><td><u>TOWER OWNER:</u></td><td><u>APPLICANT:</u></td></tr><tr><td>AMERICAN TOWER</td><td>AT&T MOBILITY</td></tr><tr><td>10 PRESIDENTIAL WAY</td><td></td></tr><tr><td>WOBURN, MA 01801</td><td></td></tr><tr><td><u>ENGINEER:</u></td><td></td></tr><tr><td>JEREMY SHARIT</td><td></td></tr><tr><td>SMW ENGINEERING GROUP INC.</td><td></td></tr><tr><td>158 BUSINESS CENTER DR.</td><td></td></tr><tr><td>BIRMINGHAM, AL. 35244</td><td></td></tr><tr><td>JOB# 20-10259</td><td></td></tr><tr><td><u>PROPERTY OWNER:</u></td><td><u>CONSULTING ENGINEER</u></td></tr><tr><td>RAYMOND OR BRENDA LAGOSZ</td><td>JOHN LIU, PE</td></tr><tr><td>297 NORTH ST.</td><td>(423) 541-0561</td></tr><tr><td>PLYMOUTH, CT</td><td><u>JOHNLIU@TELECOM.TEAM</u></td></tr><tr><td>06782</td><td></td></tr></table>	<u>TOWER OWNER:</u>	<u>APPLICANT:</u>	AMERICAN TOWER	AT&T MOBILITY	10 PRESIDENTIAL WAY		WOBURN, MA 01801		<u>ENGINEER:</u>		JEREMY SHARIT		SMW ENGINEERING GROUP INC.		158 BUSINESS CENTER DR.		BIRMINGHAM, AL. 35244		JOB# 20-10259		<u>PROPERTY OWNER:</u>	<u>CONSULTING ENGINEER</u>	RAYMOND OR BRENDA LAGOSZ	JOHN LIU, PE	297 NORTH ST.	(423) 541-0561	PLYMOUTH, CT	<u>JOHNLIU@TELECOM.TEAM</u>	06782		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.				
		<u>TOWER OWNER:</u>	<u>APPLICANT:</u>																																	
		AMERICAN TOWER	AT&T MOBILITY																																	
		10 PRESIDENTIAL WAY																																		
		WOBURN, MA 01801																																		
		<u>ENGINEER:</u>																																		
		JEREMY SHARIT																																		
		SMW ENGINEERING GROUP INC.																																		
		158 BUSINESS CENTER DR.																																		
		BIRMINGHAM, AL. 35244																																		
JOB# 20-10259																																				
<u>PROPERTY OWNER:</u>	<u>CONSULTING ENGINEER</u>																																			
RAYMOND OR BRENDA LAGOSZ	JOHN LIU, PE																																			
297 NORTH ST.	(423) 541-0561																																			
PLYMOUTH, CT	<u>JOHNLIU@TELECOM.TEAM</u>																																			
06782																																				
 Know what's below. Call before you dig.	PROJECT LOCATION DIRECTIONS	FROM HARTFORD TAKE I-84 WEST TO RT 6 WEST. FOLLOW RT 6 INTO PLYMOUTH AND TURN RIGHT ON NORTH STREET. FOLLOW FOR ABOUT 2 MILES. #297 IS ON THE LEFT. TURN INTO DRIVEWAY AND FOLLOW TO SITE.																																		



TOGETHER PLANNING A BETTER TOMORROW
158 BUSINESS CENTER DRIVE
BIRMINGHAM, AL 35244
TEL: 205-252-6985 FAX: 205-320-1504

REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	ZDS	07/10/20

ATC SITE NUMBER:
302501
ATC SITE NAME:
PLYMOUTH CT 3
AT&T MOBILITY SITE NAME:
PLYMOUTH
SITE ADDRESS:
297 NORTH STREET
PLYMOUTH, CT 06782-2009



DATE DRAWN:	06/11/20
ATC JOB NO:	13213650_G3
CUSTOMER ID:	PLYMOUTH
CUSTOMER #:	10035015

TITLE SHEET

SHEET NUMBER:
G-001
REVISION:
A

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 OD COORDINATION AND SITE ACCESS. ERECTION SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF PERSONNEL AND

B. INSTALL ANTENNA AS INDICATE 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 AND PROVIDE PRINTOUT OF THAT TEST.

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 GREED 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.



TOGETHER PLANNING A BETTER TOMORROW
158 BUSINESS CENTER DRIVE
BIRMINGHAM, AL 35244
TEL: 205-252-6985 FAX: 205-320-1504

REV.	DESCRIPTION	BY	DATE
△0	FOR CONSTRUCTION	ZDS	07/10/20
△1			
△2			
△3			
△4			

ATC SITE NUMBER:

302501

ATC SITE NAME:

PLYMOUTH CT 3

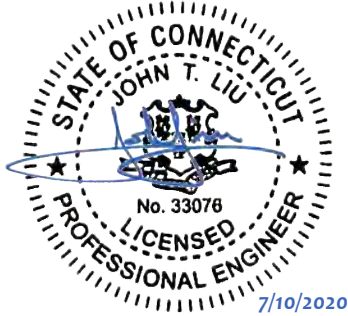
AT&T MOBILITY SITE NAME:

PLYMOUTH

SITE ADDRESS:

297 NORTH STREET
PLYMOUTH, CT 06782-2009

SEAL:



DATE DRAWN:	06/11/20
ATC JOB NO:	13213650_G3
CUSTOMER ID:	PLYMOUTH
CUSTOMER #:	10035015

GENERAL NOTES

SHEET NUMBER:

G-002

REVISION:

A

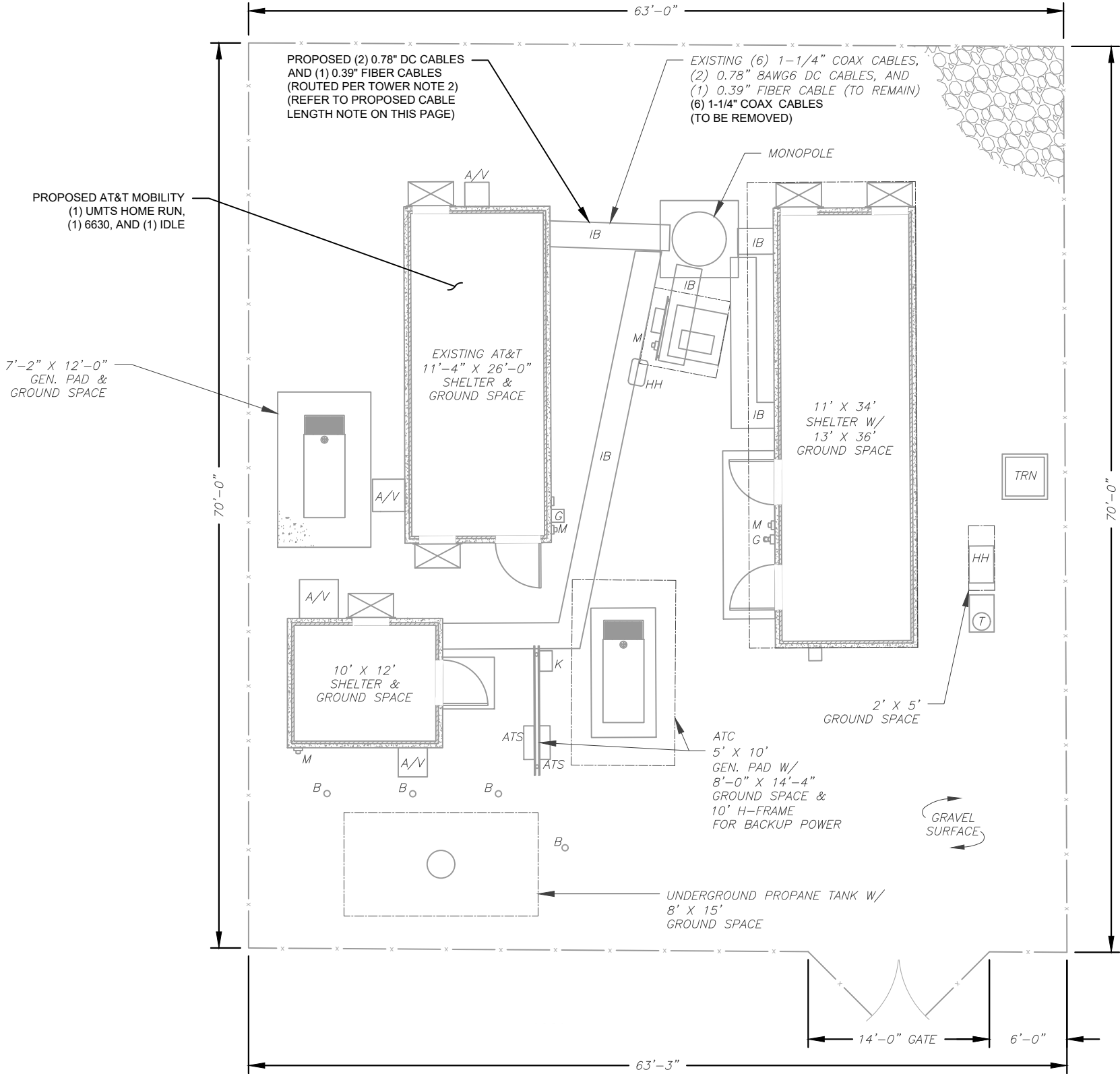
SITE PLAN NOTES:

1.

THIS SITE PLAN REPRESENTS THE BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF THIS DESIGN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION AND VERIFY ALL EXISTING CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT.
2.

ICE BRIDGE, CABLE LADDER, COAX PORT, AND COAX CABLE ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL CONFIRM THE EXACT LOCATION OF ALL PROPOSED AND EXISTING EQUIPMENT AND STRUCTURES DEPICTED ON THIS PLAN. BEFORE UTILIZING EXISTING CABLE SUPPORTS, COAX PORTS, INSTALLING NEW PORTS OR ANY OTHER EQUIPMENT, CONTRACTOR SHALL VERIFY ALL ASPECTS OF THE COMPONENTS MEET THE ATC SPECIFICATIONS.
3.

THIS PROJECT INCLUDES NO INSTALL OR MODIFICATION AT GRADE.



LEGEND

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

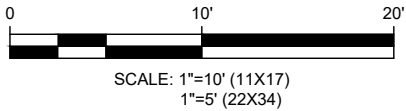
PROPOSED CABLE LENGTH:

1.

ESTIMATED LENGTH OF PROPOSED CABLE IS **223'**. 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).

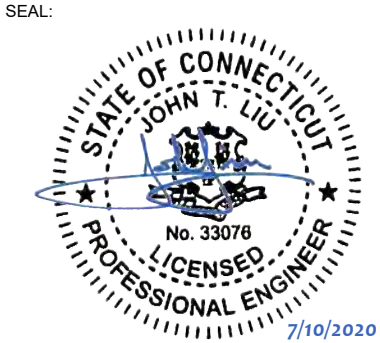
1 DETAILED SITE PLAN



TOGETHER PLANNING A BETTER TOMORROW
158 BUSINESS CENTER DRIVE
BIRMINGHAM, AL 35244
TEL: 205-252-6985 FAX: 205-320-1504

REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	ZDS	07/10/20
1			
2			
3			
4			

ATC SITE NUMBER:
302501
ATC SITE NAME:
PLYMOUTH CT 3
AT&T MOBILITY SITE NAME:
PLYMOUTH
SITE ADDRESS:
297 NORTH STREET
PLYMOUTH, CT 06782-2009



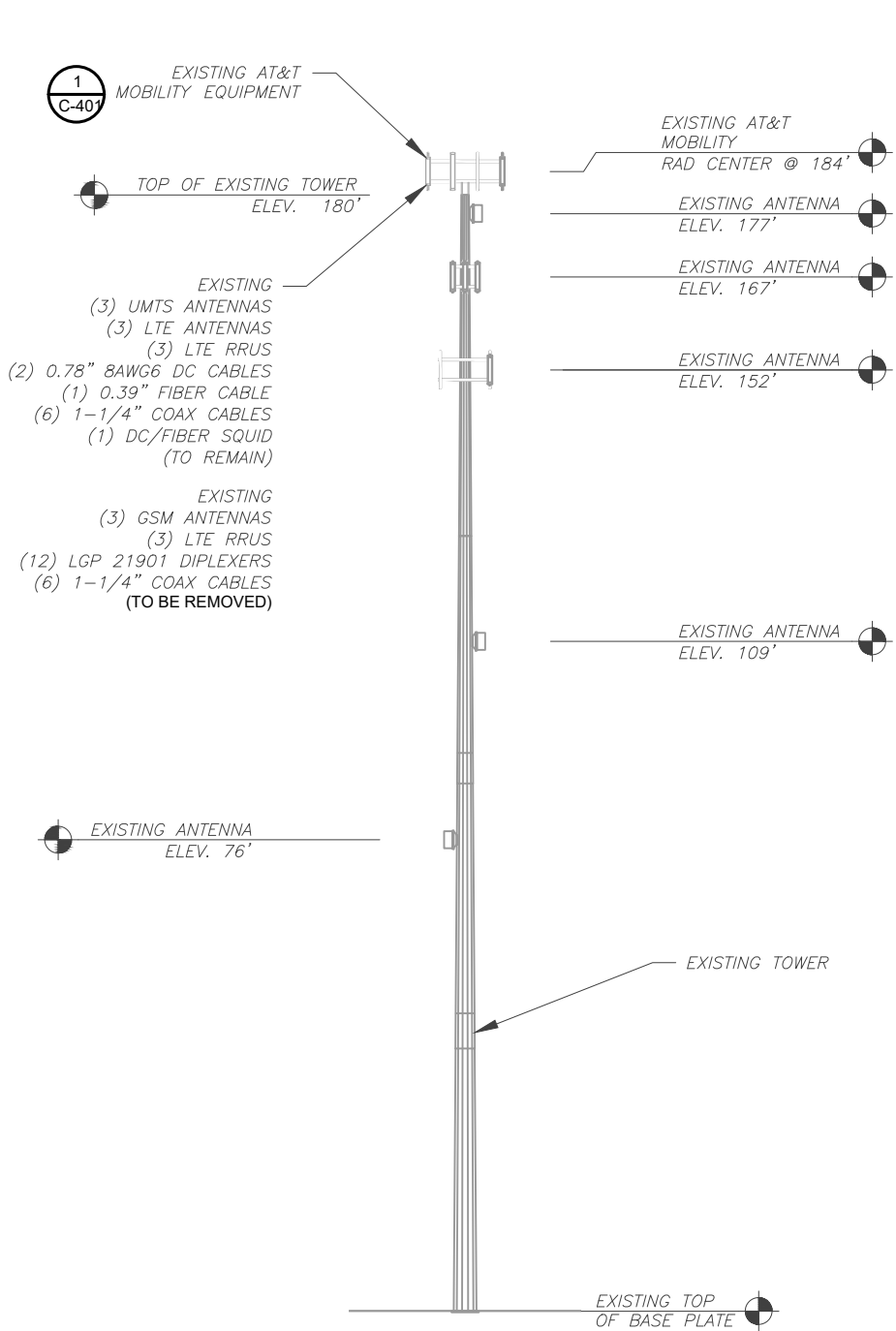
DATE DRAWN:	06/11/20
ATC JOB NO:	13213650_G3
CUSTOMER ID:	PLYMOUTH
CUSTOMER #:	10035015

DETAILED SITE PLAN

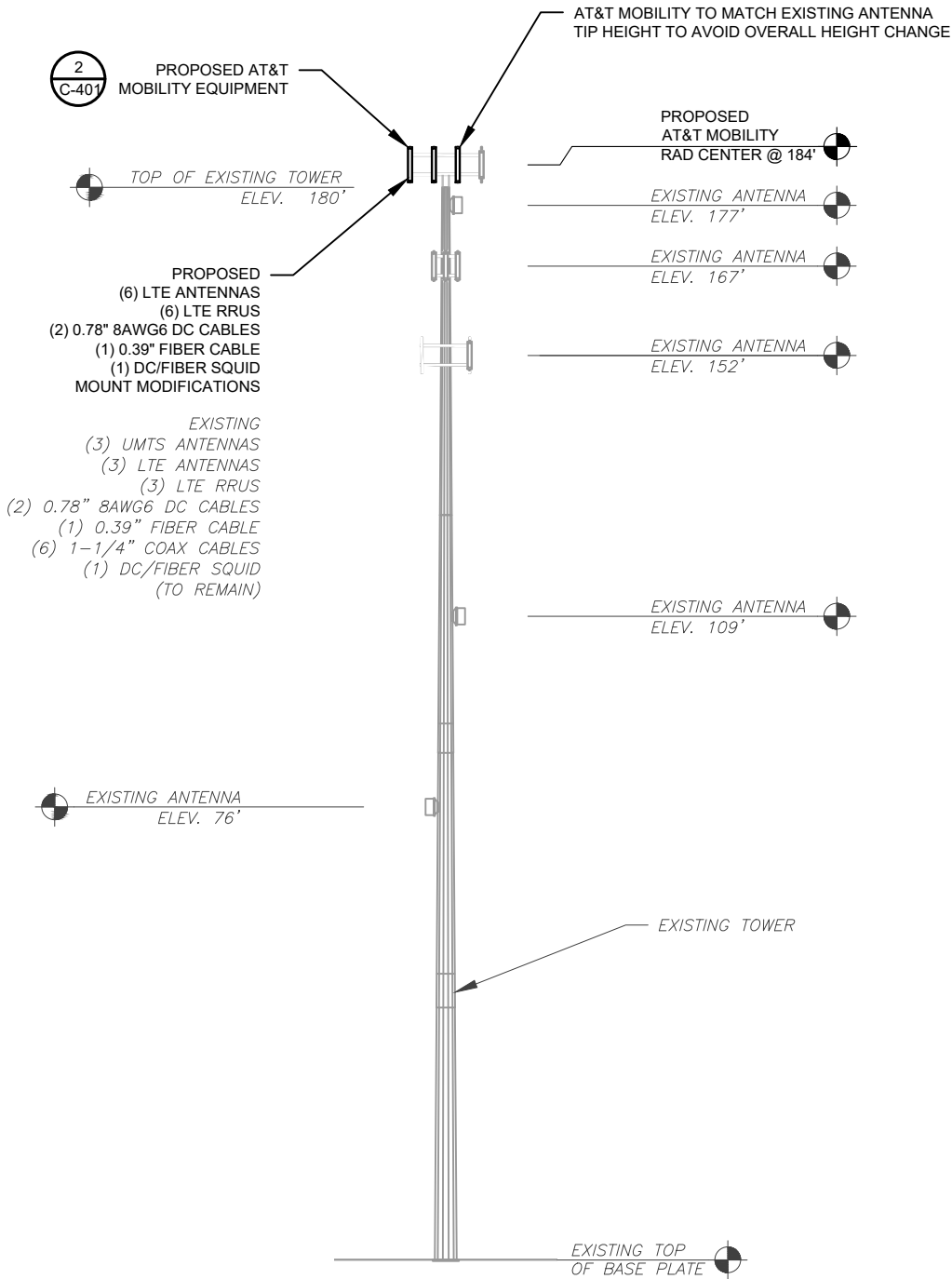
SHEET NUMBER:
C-101
REVISION:
A

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

PER MOUNT ANALYSIS COMPLETED BY INFINIGY, DATED 07/02/20, THE EXISTING MOUNT CAN NOT ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION PROPOSED IN THE MOUNT ANALYSIS, INCLUDED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT



1 EXISTING TOWER ELEVATION
SCALE: 1" = 30'



2 FINAL TOWER ELEVATION
SCALE: 1" = 30'

- TOWER NOTE:
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM WITH THE AMERICAN TOWER CONSTRUCTION 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.
 - ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. IF ADEQUATE SPACE EXISTS, ROUTE CABLES THROUGH ENTRY PORT HOLE, UP INSIDE OF MONOPOLE, AND THROUGH EXIT PORT HOLE. IF ROUTING OUTSIDE THE MONOPOLE, ATTACH CABLES USING STAND-OFF ADAPTERS MOUNTED TO TOWER USING STAINLESS STEEL BANDING. ADEQUATELY SECURE CABLES USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER.
 - TOWER ELEVATIONS ARE MEASURED FROM TOP OF BASE PLATE TO MATCH STRUCTURAL ANALYSIS. ELEVATIONS DO NOT REFLECT TRUE ABOVE GROUND LEVEL (A.G.L.)

- SCOPE OF WORK:
- WHEN STACKING CABLES 3 OR MORE DEEP, USE STACKABLE SNAP-INS, TALLEY PART NUMBER SSH-158-3 (OR ENGINEER APPROVED EQUAL).
 - CONTRACTOR SHALL CONFIRM THE FINAL CABLE ROUTING PLAN WITH THE STRUCTURAL ANALYSIS.

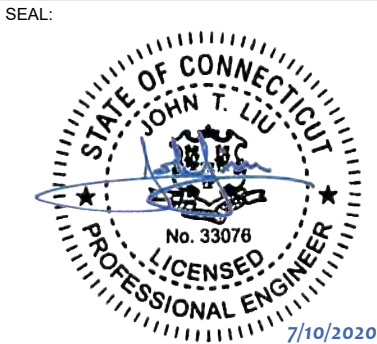
- COAXIAL CABLE NOTES:
- CONTRACTOR SHALL CONFIRM COAX COLOR CODING PRIOR TO CONSTRUCTION. REFER TO "ANTENNA SYSTEM LABELING STANDARD" ND-00027 LATEST VERISON.
 - CONTRACTOR SHALL WEATHERPROOF ALL ANTENNA CONNECTORS WITH SELF AMALGAMATING TAPE. WEATHERPROOFING SHALL BE COMPLETED IN STRICT ACCODRANCE WITH AT&T STANDARDS.
 - CONTRACTOR SHALL GROUND ALL EQUIPMENT. INCLUDING ANTENNAS, RET MOTORS, TMA'S, COAX CABLES, AND RET CONTROL CBALES AS A COMPLETE SYTEM. GROUNDING SHALL BE EXECUTED BY QUALIFIED WIREMEN IN COMPLIANCE WITH MANUFACTURER'S SPECIFICATION AND RECOMMENDATION.
 - CONTRACTOR TO VERIFY THAT EXISTING COAX HANGERS ARE STACKABLE SNAP IN HANGERS. IF EXISTING HANGERS ARE NOT STACKABLE SNAP IN HANGERS THE CONTRACTOR SHALL REPLACE EXISTING HANGERS WITH NEW SNAP IN HANGERS IF APPLICABLE.



TOGETHER PLANNING A BETTER TOMORROW
158 BUSINESS CENTER DRIVE
BIRMINGHAM, AL 35244
TEL: 205-252-6985 FAX: 205-320-1504

REV.	DESCRIPTION	BY	DATE
Δ	FOR CONSTRUCTION	ZDS	07/10/20
Δ			
Δ			
Δ			
Δ			

ATC SITE NUMBER:
302501
ATC SITE NAME:
PLYMOUTH CT 3
AT&T MOBILITY SITE NAME:
PLYMOUTH
SITE ADDRESS:
297 NORTH STREET
PLYMOUTH, CT 06782-2009

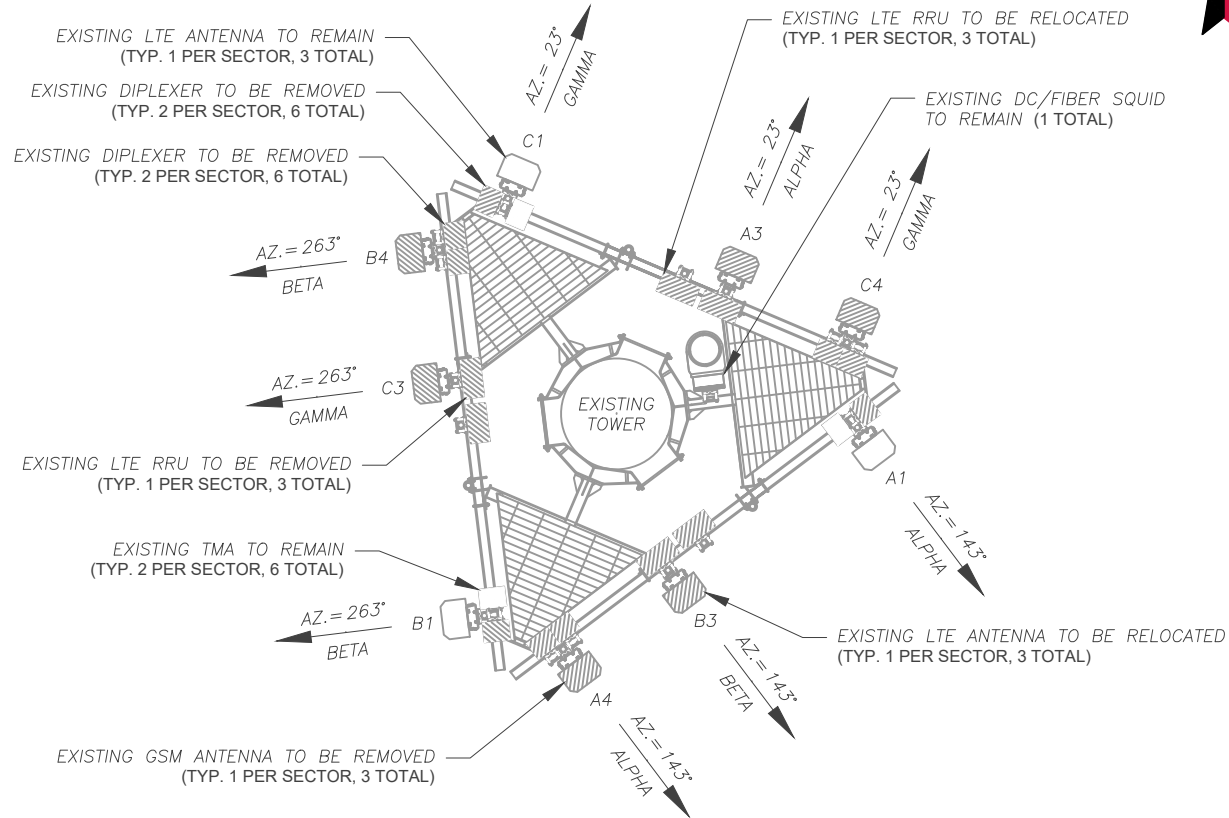


DATE DRAWN:	06/11/20
ATC JOB NO:	13213650_G3
CUSTOMER ID:	PLYMOUTH
CUSTOMER #:	10035015

TOWER ELEVATION

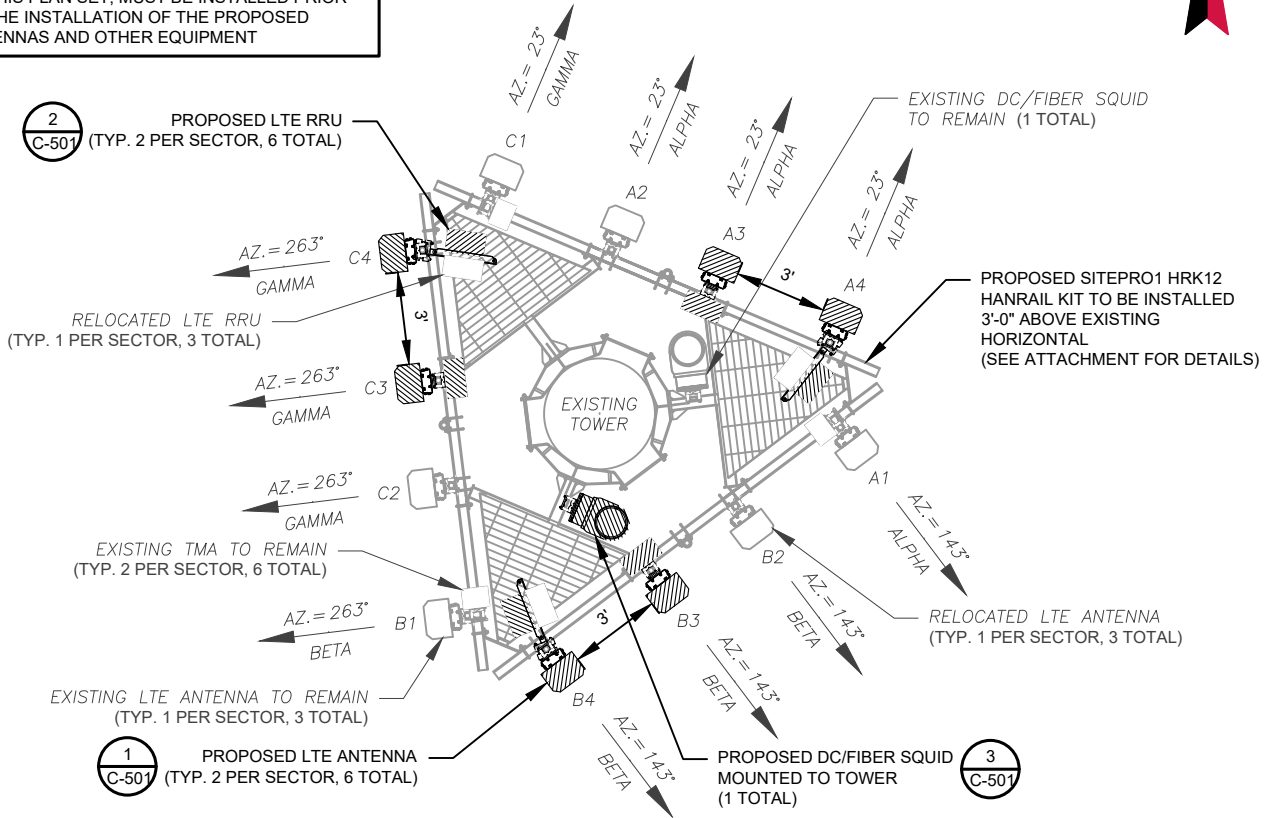
SHEET NUMBER:
C-201
REVISION:
A

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



1 CURRENT ANTENNA PLAN
SCALE: 1" = 5'

PER MOUNT ANALYSIS COMPLETED BY INFINGY, DATED 07/02/20, THE EXISTING MOUNT CAN NOT ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION PROPOSED IN THE MOUNT ANALYSIS, INCLUDED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT



2 FINAL ANTENNA PLAN
SCALE: 1" = 5'

PROPOSED RRUS MUST BE
INSTALLED A MINIMUM OF 8"
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	184°	143°	A1	POWERWAVE 7770	UMTS	RMN	(2) LGP 21901 DIPLEXERS	RMV
			A2	-	-	-	(2) LGP 21401 TMA'S	RMN
		23°	A3	HPA-65R-BUU-H6	LTE	REL	RRUS-11 B12	RMV
		143°	A4	POWERWAVE 7770	GSM	RMV	RRUS-32 B2	REL
BETA	184°	263°	B1	POWERWAVE 7770	UMTS	RMN	(2) LGP 21901 DIPLEXERS	RMV
			B2	-	-	-	(2) LGP 21401 TMA'S	RMN
		143°	B3	HPA-65R-BUU-H6	LTE	REL	RRUS-11 B12	RMV
		263°	B4	POWERWAVE 7770	GSM	RMV	RRUS-32 B2	REL
GAMMA	184°	23°	C1	POWERWAVE 7770	UMTS	RMN	(2) LGP 21901 DIPLEXERS	RMV
			C2	-	-	-	(2) LGP 21401 TMA'S	RMN
		263°	C3	HPA-65R-BUU-H6	LTE	REL	RRUS-11 B12	RMV
		23°	C4	POWERWAVE 7770	GSM	RMV	RRUS-32 B2	REL

- NOTES
- BASED ON APPROVED ATC APPLICATION 302501, DATED 06/01/20. CONFIRM WITH AT&T MOBILITY REP FOR APPLICABLE UPDATES/REVISIONS AND MOST RECENT RFDS FOR NSN CONFIGURATION (CONFIG). GC TO CAP ALL UNUSED PORTS.
 - CONFIRM SPACING OF PROPOSED EQUIP DOES NOT CAUSE TOWER CONFLICTS NOR IMPEDE TOWER CLIMBING PEGS.
 - 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.
 - 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	184°	143°	A1	POWER WAVE 7770	UMTS	RMN	(2) LGP 21401 TMA'S	RMN
		23°	A2	HPA-65R-BUU-H6	LTE	REL	-	-
		23°	A3	OPA65R-BU6DA-K	LTE	ADD	RRUS-4478 B14	ADD
		23°	A4	DMP65R-BU6DA	LTE	ADD	RRUS-4449 B5/B12	ADD
BETA	184°	263°	B1	POWER WAVE 7770	UMTS	RMN	RRUS-32 B2	REL
		143°	B2	HPA-65R-BUU-H6	LTE	REL	(2) LGP 21401 TMA'S	RMN
		143°	B3	OPA65R-BU6DA-K	LTE	ADD	-	-
		143°	B4	DMP65R-BU6DA	LTE	ADD	RRUS-4478 B14	ADD
GAMMA	184°	23°	C1	POWER WAVE 7770	UMTS	RMN	RRUS-4449 B5/B12	ADD
		263°	C2	HPA-65R-BUU-H6	LTE	REL	RRUS-32 B2	REL
		263°	C3	OPA65R-BU6DA-K	LTE	ADD	-	-
		263°	C4	DMP65R-BU6DA	LTE	ADD	RRUS-4478 B14	ADD

EXISTING FIBER DISTRIBUTION/SQUID		EXISTING CABLING SUMMARY			
MODEL NUMBER	STATUS	COAX	DC	FIBER	STATUS
DC6-48-60-18-8F	RMN	(6) 1-1/4"	(2) 0.78"	(1) 0.39"	RMN
-	-	(6) 1-1/4"	-	-	RMV

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

CABLE LENGTHS FOR JUMPERS

SQUID TO RRU: 15'
RRU TO ANTENNA: 10'

3 EQUIPMENT SCHEDULES

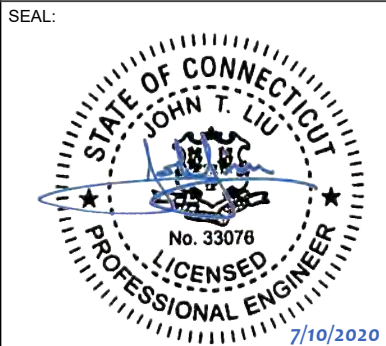
FINAL FIBER DISTRIBUTION/SQUID		FINAL CABLING SUMMARY			
MODEL NUMBER	STATUS	COAX	DC	FIBER	STATUS
DC6-48-60-18-8F	RMN	(6) 1-1/4"	(2) 0.78"	(1) 0.39"	RMN
DC6-48-60-18-8F	ADD	-	(2) 0.78"	(1) 0.39"	ADD



TOGETHER PLANNING A BETTER TOMORROW
158 BUSINESS CENTER DRIVE
BIRMINGHAM, AL 35244
TEL: 205-252-6985 FAX: 205-320-1504

REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	ZDS	07/10/20
1			
2			
3			
4			

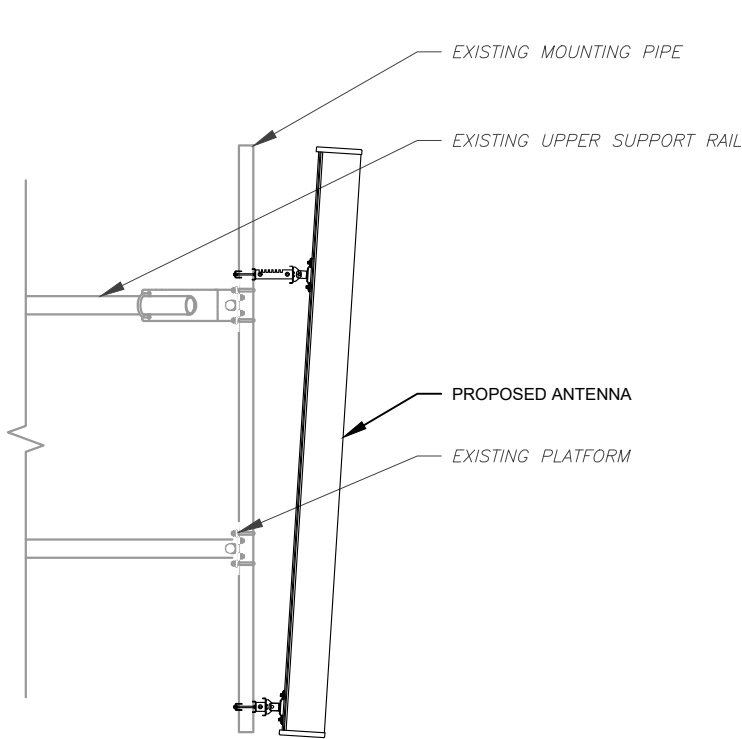
ATC SITE NUMBER:
302501
ATC SITE NAME:
PLYMOUTH CT 3
AT&T MOBILITY SITE NAME:
PLYMOUTH
SITE ADDRESS:
297 NORTH STREET
PLYMOUTH, CT 06782-2009



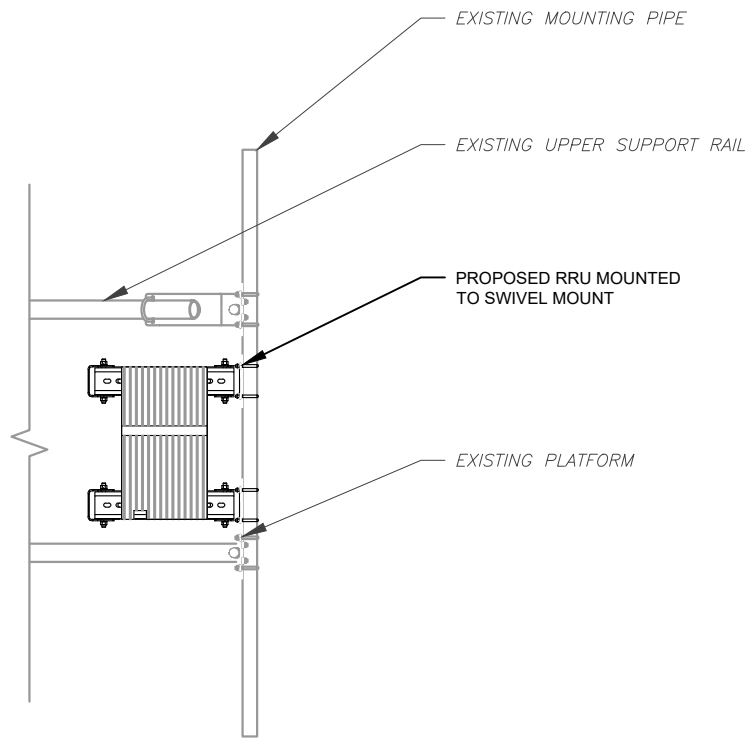
DATE DRAWN:	06/11/20
ATC JOB NO:	13213650_G3
CUSTOMER ID:	PLYMOUTH
CUSTOMER #:	10035015

RF SCHEDULE AND ANTENNA INSTALLATION

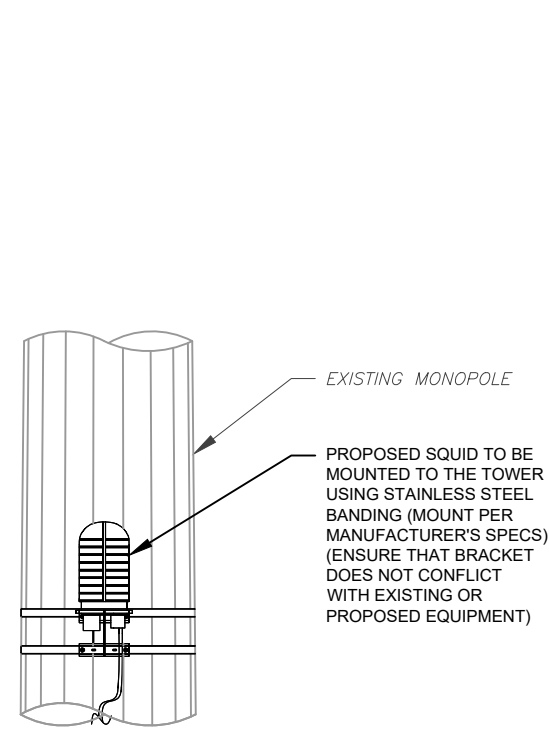
SHEET NUMBER:
C-401
REVISION:
A



1 ANTENNA DETAIL
SCALE: N.T.S.



2 RRU DETAIL
SCALE: N.T.S.



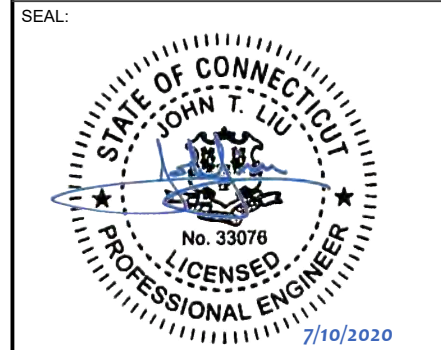
3 PROPOSED SQUID MOUNTING
SCALE: N.T.S.



TOGETHER PLANNING A BETTER TOMORROW
158 BUSINESS CENTER DRIVE
BIRMINGHAM, AL 35244
TEL: 205-252-6985 FAX: 205-320-1504

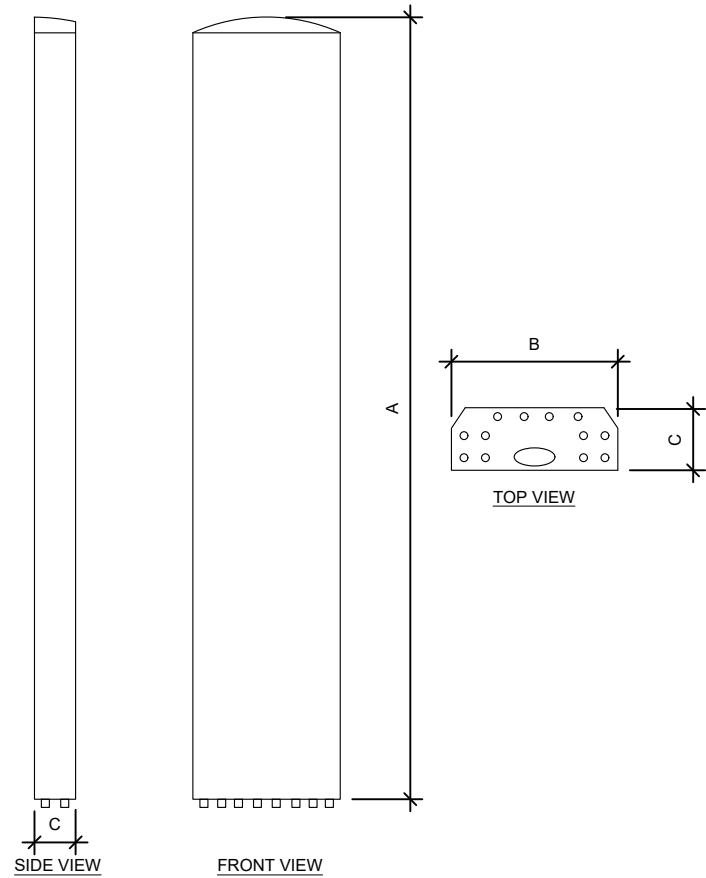
REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	ZDS	07/10/20

ATC SITE NUMBER:
302501
ATC SITE NAME:
PLYMOUTH CT 3
AT&T MOBILITY SITE NAME:
PLYMOUTH
SITE ADDRESS:
297 NORTH STREET
PLYMOUTH, CT 06782-2009

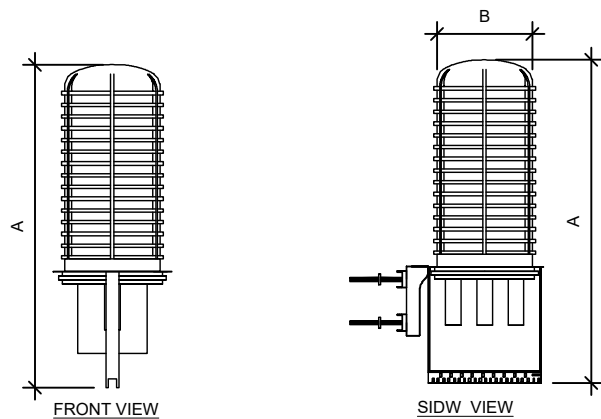
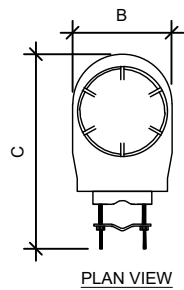


DATE DRAWN:	06/11/20
ATC JOB NO:	13213650_G3
CUSTOMER ID:	PLYMOUTH
CUSTOMER #:	10035015

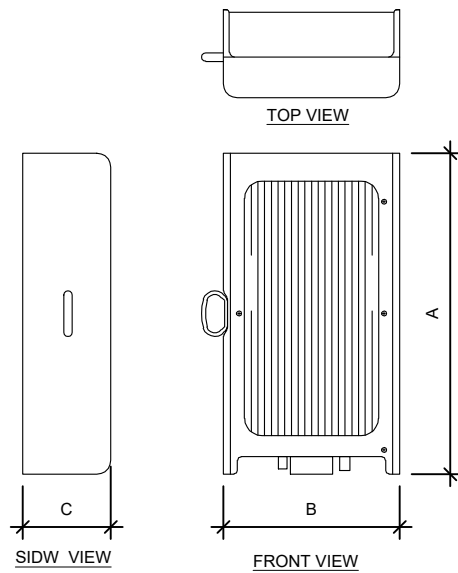
CONSTRUCTION DETAILS	
SHEET NUMBER: C-501	REVISION: A



ANTENNA SPECIFICATIONS				
ANTENNA MODEL	A	B	C	WEIGHT (LBS)
CCI OPA65R-BU6DA-K	71.2"	21.0"	7.8"	60.2
CCI DMP65R-BU6DA	71.2"	20.7"	7.7"	79.4



RAYCAP SPECIFICATIONS				
RAYCAP MODEL	A	B	C	WEIGHT (LBS)
DC6-48-60-18-8F	31.41"	10.24"	18.28"	16.0



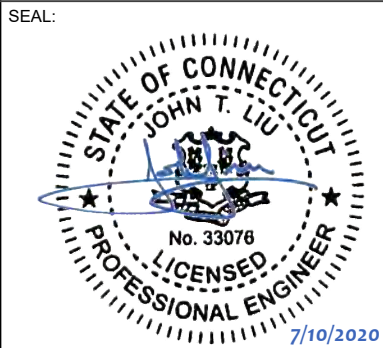
RRU SPECIFICATIONS				
RRU MODEL	A	B	C	WEIGHT (LBS)
4449 B5, B12	17.9"	13.2"	9.4"	71.0
4478 B14	18.1"	13.4"	8.3"	59.4



TOGETHER PLANNING A BETTER TOMORROW
158 BUSINESS CENTER DRIVE
BIRMINGHAM, AL 35244
TEL: 205-252-6985 FAX: 205-320-1504

REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	ZDS	07/10/20

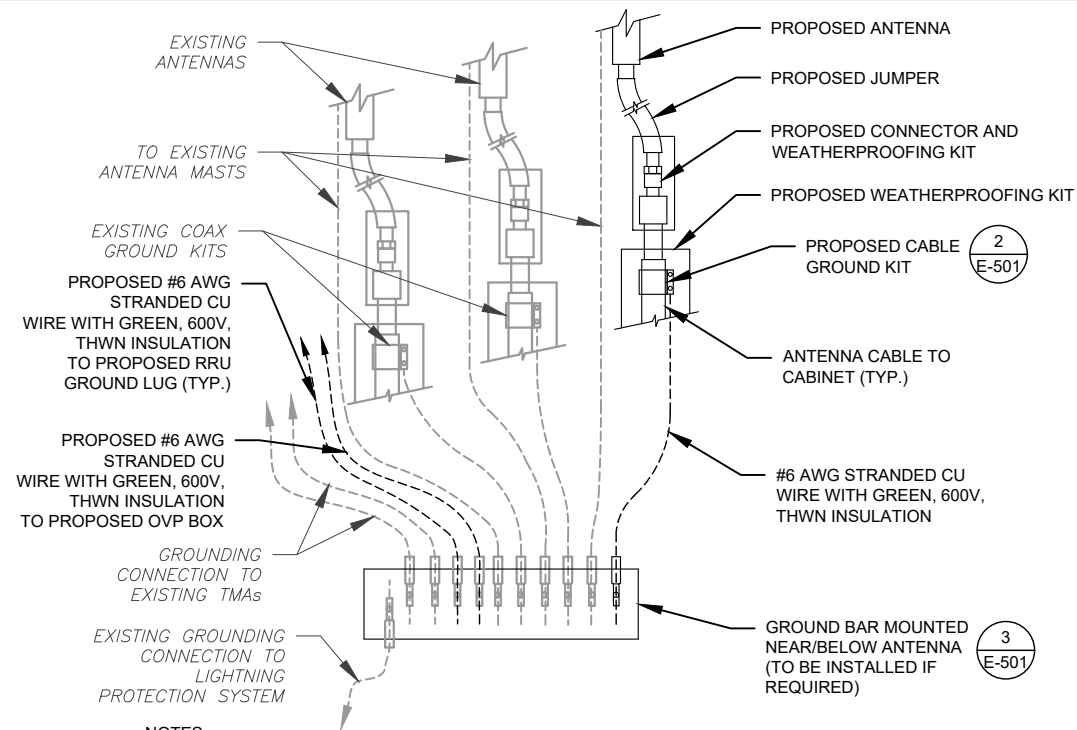
ATC SITE NUMBER:
302501
ATC SITE NAME:
PLYMOUTH CT 3
AT&T MOBILITY SITE NAME:
PLYMOUTH
SITE ADDRESS:
297 NORTH STREET
PLYMOUTH, CT 06782-2009



DATE DRAWN:	06/11/20
ATC JOB NO:	13213650_G3
CUSTOMER ID:	PLYMOUTH
CUSTOMER #:	10035015

EQUIPMENT SPECIFICATIONS

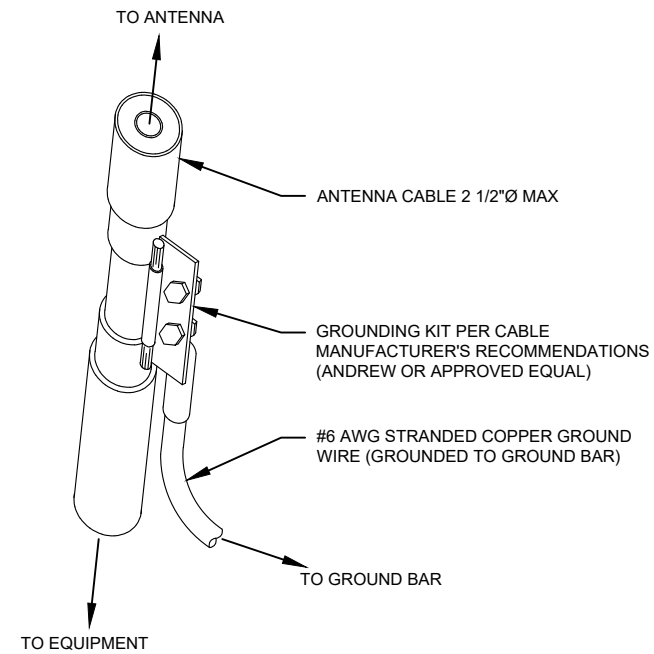
SHEET NUMBER: C-502	REVISION: A
-------------------------------	-----------------------



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.

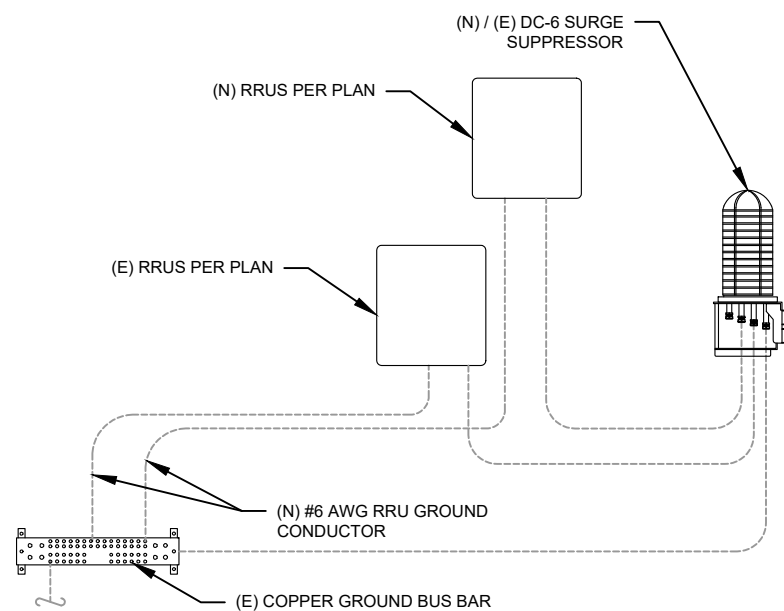
1 TYPICAL ANTENNA GROUNDING DIAGRAM
SCALE: N.T.S.



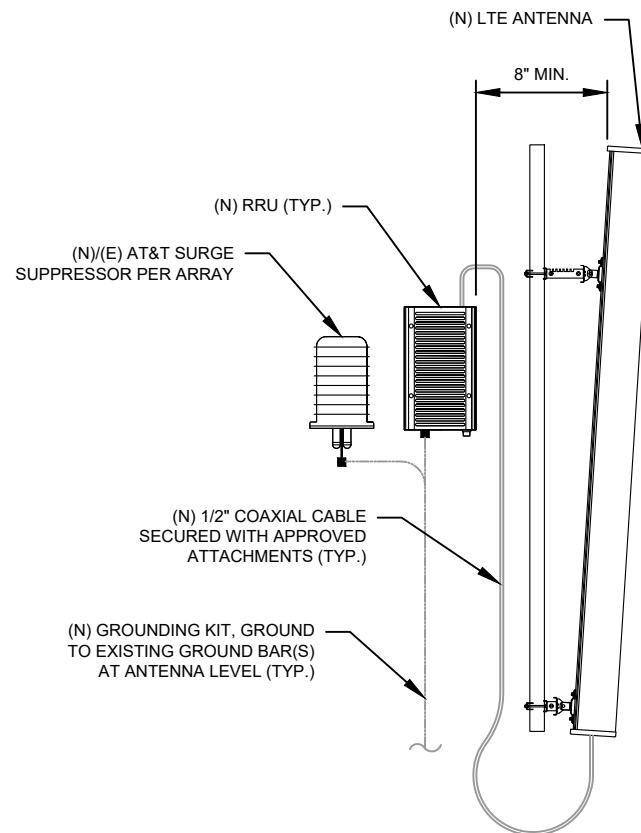
GROUND KIT NOTES:

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.



3 RRU GROUNDING
SCALE: N.T.S.



4 ANTENNA/RRU GROUNDING
SCALE: N.T.S.



TOGETHER PLANNING A BETTER TOMORROW
158 BUSINESS CENTER DRIVE
BIRMINGHAM, AL 35244
TEL: 205-252-6985 FAX: 205-320-1504

REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	ZDS	07/10/20
1			
2			
3			
4			

ATC SITE NUMBER:

302501

ATC SITE NAME:

PLYMOUTH CT 3

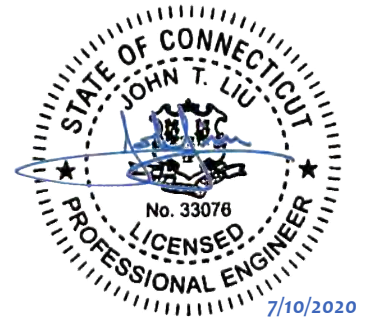
AT&T MOBILITY SITE NAME:

PLYMOUTH

SITE ADDRESS:

297 NORTH STREET
PLYMOUTH, CT 06782-2009

SEAL:



DATE DRAWN:	06/11/20
ATC JOB NO:	13213650_G3
CUSTOMER ID:	PLYMOUTH
CUSTOMER #:	10035015

GROUNDING DETAILS

SHEET NUMBER:

E-501

REVISION:

A



1033 WATERVLIET SHAKER RD, ALBANY, NY 12205

Mount Analysis Report

July 2, 2020

AT&T Site Name	MRCTB047182
AT&T Site Number	CTL01056
ATC Site Name	Plymouth CT 3, CT
ATC Site Number	302501
ATC Engineering Number	13213650 C8 01
Infinigy Job Number	1009-Z0003-B
Client	ATC
Carrier	AT&T Mobility
Site Location	297 North Street Plymouth, CT 06782 Litchfield County 41.6931 N NAD83 73.0537 W NAD83
Mount Centerline EL.	185.0 ft
Mount Type	Low Profile Platform w/ Proposed Handrails
Structural Usage Ratio	56.2%
Overall Result	Pass

Upon reviewing the results of this analysis, it is our opinion that the structure meets the specified TIA code requirements. The mounts and connections for the proposed carrier are therefore deemed adequate to support the final loading configuration as listed in this report.

- This analysis considers a proposed SitePro1 HRK12 handrail kit installed 3'-00" above the existing horizontal. Handrail kit must be installed prior to the installation of the proposed equipment or this analysis is void.
- Remove existing mount pipes installed on mast pipe with threaded rods in all sectors. Install panels directly on the mast pipes.



Pradin Suinyal Magar, M.S.
Project Engineer I

AZ CA CO FL GA MD NC NH NJ NY TX WA



Mount Analysis Report

July 2, 2020

Introduction

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

Supporting Documentation

Collocation Application	Collo App ID #13213650, dated June 04, 2020
RFDS	RFDS ID #3719746, dated May 27, 2020
Structural Report	ATC Engineering #13213650 C3 03, dated June 10, 2020
Site Photos	ATC Provided, dated April 13, 2018
Mapping Report	MasTec Job #202200, dated June 19, 2020

Analysis Code Requirements

Wind Speed	116 mph (3-Second Gust)
Wind Speed w/ Ice	50 mph (3 Second Gust) w/ 1" Ice
TIA Revision	ANSI/TIA-222-H
Risk Category	II
Exposure Category	B
Topographic Factor Procedure	Method 1
Topographic Category	1
Calculated Crest Height (H)	0 ft
Spectral Response	S _s = 0.183 g, S ₁ = 0.054 g
Site Class	D - Stiff Soil (Assumed)
HMSL	808 ft.

Conclusion

Upon reviewing the results of this analysis, it is our opinion that the structure meets the specified TIA code requirements. The mount and connections are therefore deemed adequate to support the existing and proposed loading as listed in this report.

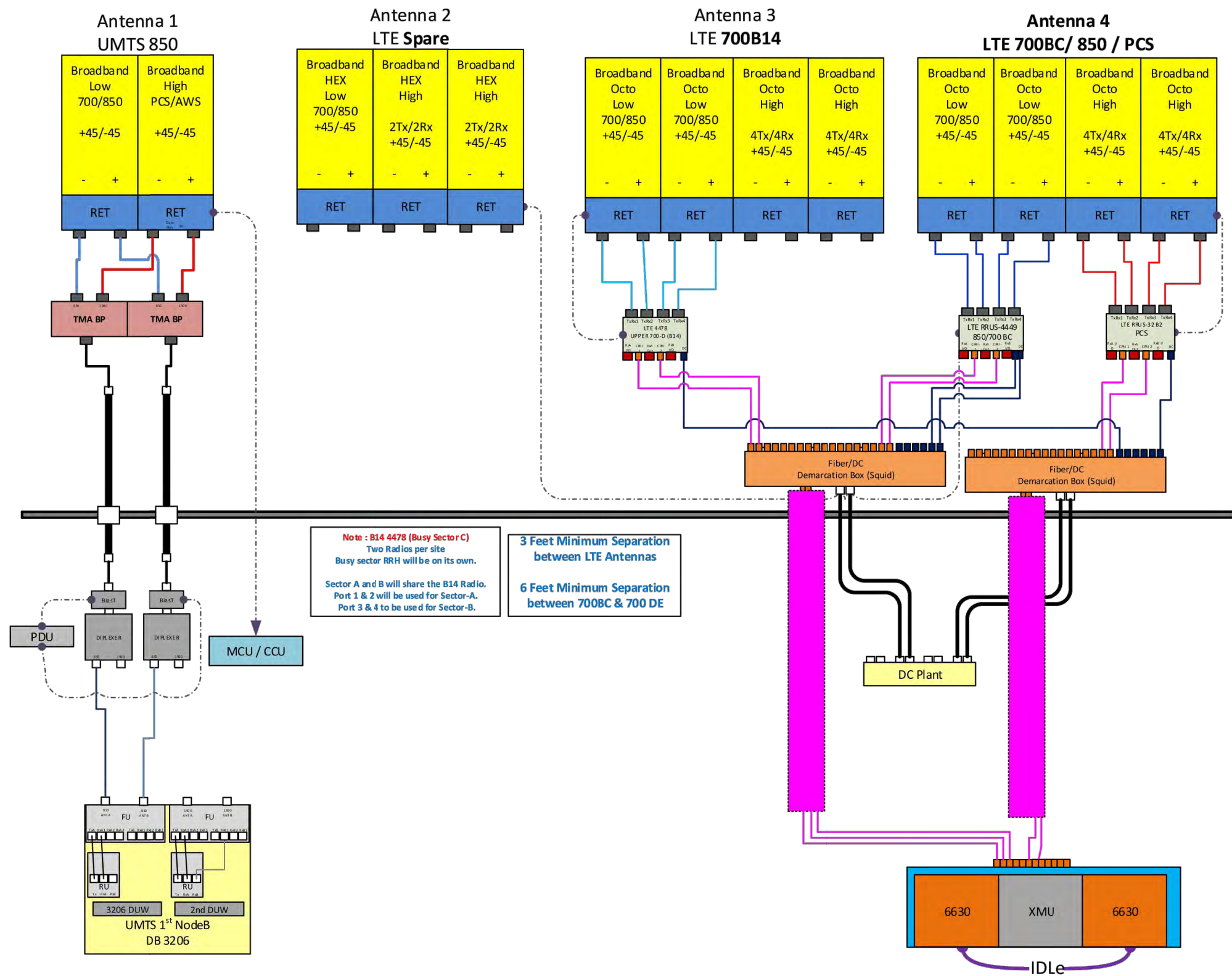
If you have any questions, require additional information, or actual conditions differ from those as detailed in this report please contact me via the information below:

Pradin Suinyal Magar, M.S.
Project Engineer I | [INFINIGY](#)
1517 Old Apex Road, Cary, NC 27513
(O) (518) 690-0813
pmagar@infinigy.com | www.infinigy.com

302501_Plymouth CT 3

Page | 3

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



NOTE: THIS SHEET WAS CREATED BY OTHERS AND PROVIDED AT THE REQUEST OF THE CUSTOMER WITHOUT EDIT. GENERAL CONTRACTOR IS TO CHECK WITH THE AT&T MOBILITY CM TO ENSURE THIS IS THE MOST RECENT VERSION OF THE RFDS.

RFDS PLUMBING DIAGRAM

SHEET NUMBER:

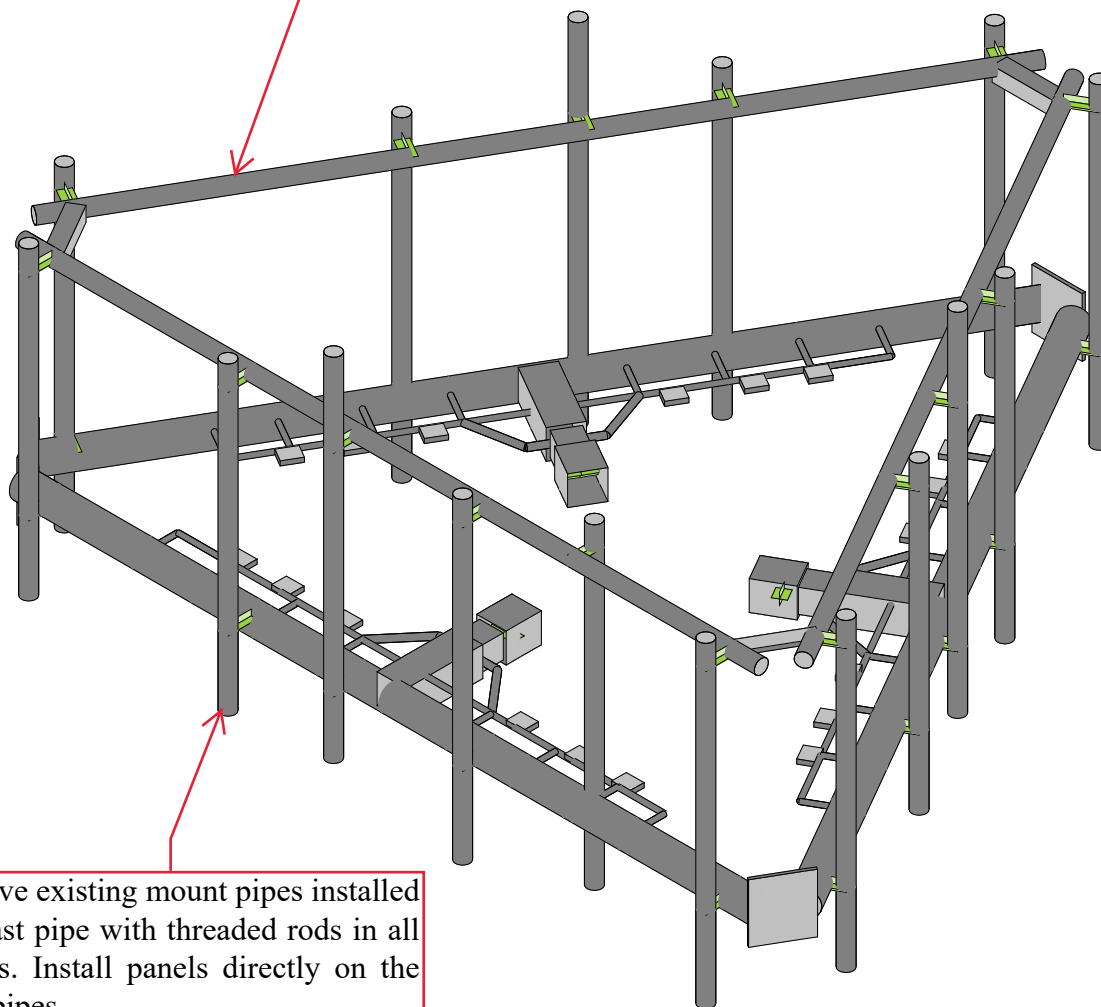
R-602

REVISION:

A



This analysis considers a proposed SitePro1 HRK12 handrail kit installed 3'-00" above the existing horizontal. Handrail kit must be installed prior to the installation of the proposed equipment or this analysis is void.



Remove existing mount pipes installed on mast pipe with threaded rods in all sectors. Install panels directly on the mast pipes.

Envelope Only Solution

Infinigy Engineering, PLLC

PSM

1009-Z0003-B

Plymouth CT 3, CT

Final Configuration

July 2, 2020 at 10:40 AM

302501_loaded.r3d

EXHIBIT 2



FROM ZERO TO INFINIGY
the solutions are endless

1033 WATERVLIT SHAKER RD, ALBANY, NY 12205

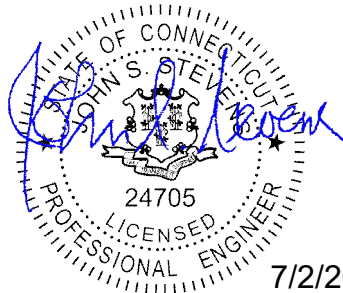
Mount Analysis Report

July 2, 2020

AT&T Site Name	MRCTB047182
AT&T Site Number	CTL01056
ATC Site Name	Plymouth CT 3, CT
ATC Site Number	302501
ATC Engineering Number	13213650 C8_01
Infinigy Job Number	1009-Z0003-B
Client	ATC
Carrier	AT&T Mobility
Site Location	297 North Street Plymouth, CT 06782 Litchfield County 41.6931 N NAD83 73.0537 W NAD83
Mount Centerline EL.	185.0 ft
Mount Type	Low Profile Platform w/ Proposed Handrails
Structural Usage Ratio	56.2%
Overall Result	Pass

Upon reviewing the results of this analysis, it is our opinion that the structure meets the specified TIA code requirements. The mounts and connections for the proposed carrier are therefore deemed adequate to support the final loading configuration as listed in this report.

- This analysis considers a proposed SitePro1 HRK12 handrail kit installed 3'-00" above the existing horizontal. Handrail kit must be installed prior to the installation of the proposed equipment or this analysis is void.
- Remove existing mount pipes installed on mast pipe with threaded rods in all sectors. Install panels directly on the mast pipes.



7/2/2020

Pradin Suinyal Magar, M.S.
Project Engineer I

AZ CA CO FL GA MD NC NH NJ NY TX WA



Contents

Introduction.....	3
Supporting Documentation.....	3
Analysis Code Requirements.....	3
Conclusion.....	3
Final Configuration Loading.....	4
Structure Usages.....	4
Mount Connections.....	4
Assumptions and Limitations.....	5
Calculations.....	Appended

July 2, 2020

Introduction

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

Supporting Documentation

Collocation Application	Collo App ID #13213650, dated June 04, 2020
RFDS	RFDS ID #3719746, dated May 27, 2020
Structural Report	ATC Engineering #13213650 C3 03, dated June 10, 2020
Site Photos	ATC Provided, dated April 13, 2018
Mapping Report	MasTec Job #202200, dated June 19, 2020

Analysis Code Requirements

Wind Speed	116 mph (3-Second Gust)
Wind Speed w/ Ice	50 mph (3 Second Gust) w/ 1" Ice
TIA Revision	ANSI/TIA-222-H
Risk Category	II
Exposure Category	B
Topographic Factor Procedure	Method 1
Topographic Category	1
Calculated Crest Height (H)	0 ft
Spectral Response	$S_s = 0.183$ g, $S_1 = 0.054$ g
Site Class	D - Stiff Soil (Assumed)
HMSL	808 ft.

Conclusion

Upon reviewing the results of this analysis, it is our opinion that the structure meets the specified TIA code requirements. The mount and connections are therefore deemed adequate to support the existing and proposed loading as listed in this report.

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

Pradin Suinyal Magar, M.S.
Project Engineer I | **INFINIGY**
1517 Old Apex Road, Cary, NC 27513
(O) (518) 690-0813
pmagar@infinigy.com | www.infinigy.com

July 2, 2020

Final Configuration Loading

Mount CL (ft)	Vert. O/S (ft)	Rad. HT (ft)	Horiz. O/S (ft)*	Qty	Appurtenance	Carrier
185.0	0.0	185.0	6.6	3	CCI ANTENNAS OPA65R-BU6D	AT&T Mobility
			10.0	3	CCI ANTENNAS DMP65R-BU6DA	
			3.2	3	CCI ANTENNAS HPA-65R-BUU-H6	
			0.4	3	POWERWAVE TECHNOLOGIES 7770.00	
			0.4	6	POWERWAVE TECHNOLOGIES LGP21401	
			-	2	RAYCAP DC6-48-60-18-8F**	
			10.0	3	ERICSSON RRUS 4449 B5, B12	
			6.6	3	ERICSSON RRUS 4478 B14	
			10.0	3	ERICSSON RRUS 32 B2	

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

** Proposed Raycap installed directly to the pole.

Structure Usages

Horizontals	19.8%	Pass
Standoffs	37.1%	Pass
Mount Pipes	35.3%	Pass
Solid Rods	56.2%	Pass
Handrails	18.7%	Pass
Max Usage	56.2%	Pass

Mount Connection Usages

Reaction Data	Design Capacity*	Analysis Reactions	Results
Max Tension (lbs.)	15,050.7	5,672.3	37.7%
Max Shear (lbs.)	9,940.2	946.2	9.5%
Unity Check	-	-	0.15
*(4) 0.75" A307 Threaded Rods per connection.			

Assumptions and Limitations

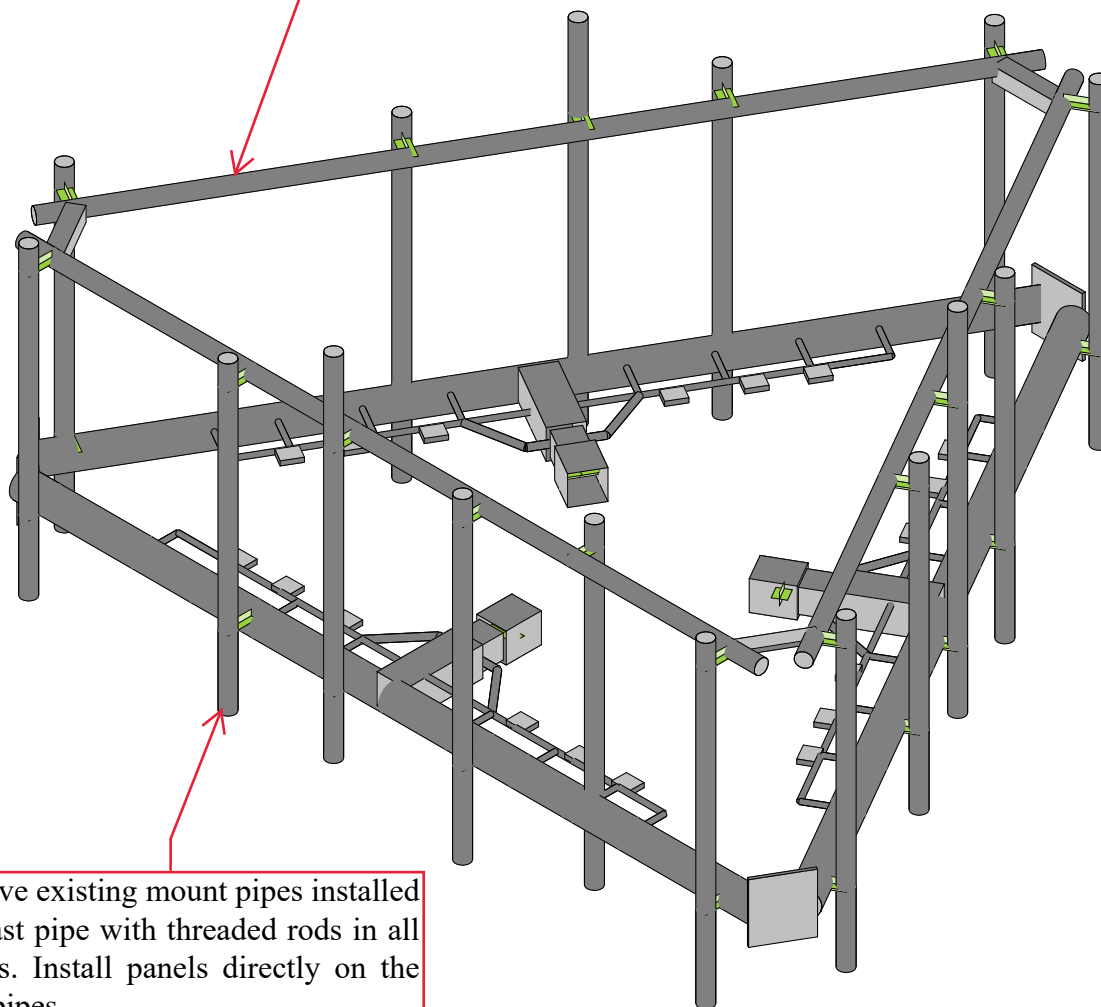
Our structural calculations are completed assuming all information provided to Infinigy Engineering is accurate and applicable to this site. For the purposes of calculations, we assume an overall structure condition of “like new” and all members and connections to be free of corrosion and/or structural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

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

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



This analysis considers a proposed SitePro1 HRK12 handrail kit installed 3'-00" above the existing horizontal. Handrail kit must be installed prior to the installation of the proposed equipment or this analysis is void.



Remove existing mount pipes installed on mast pipe with threaded rods in all sectors. Install panels directly on the mast pipes.

Envelope Only Solution

Infinigy Engineering, PLLC

PSM

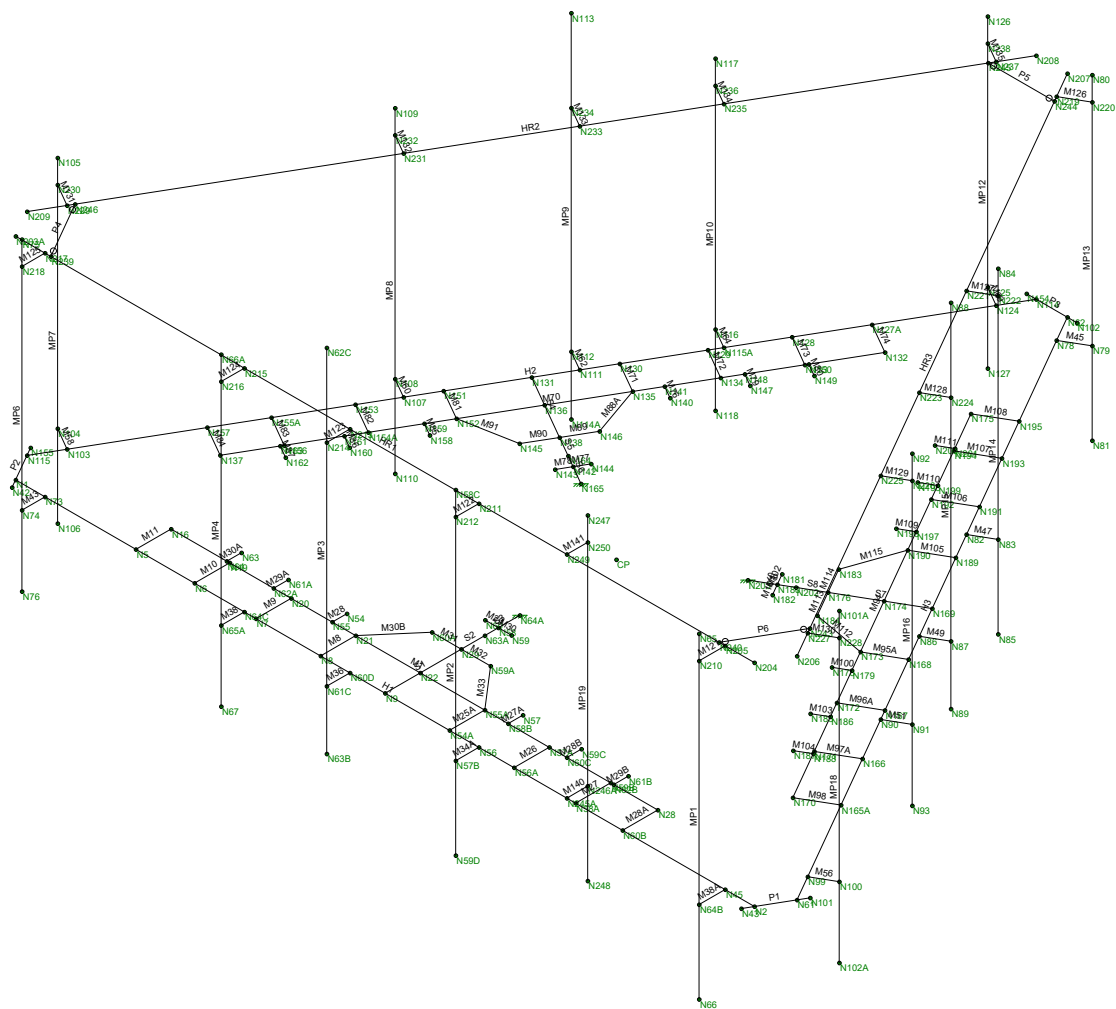
1009-Z0003-B

Plymouth CT 3, CT

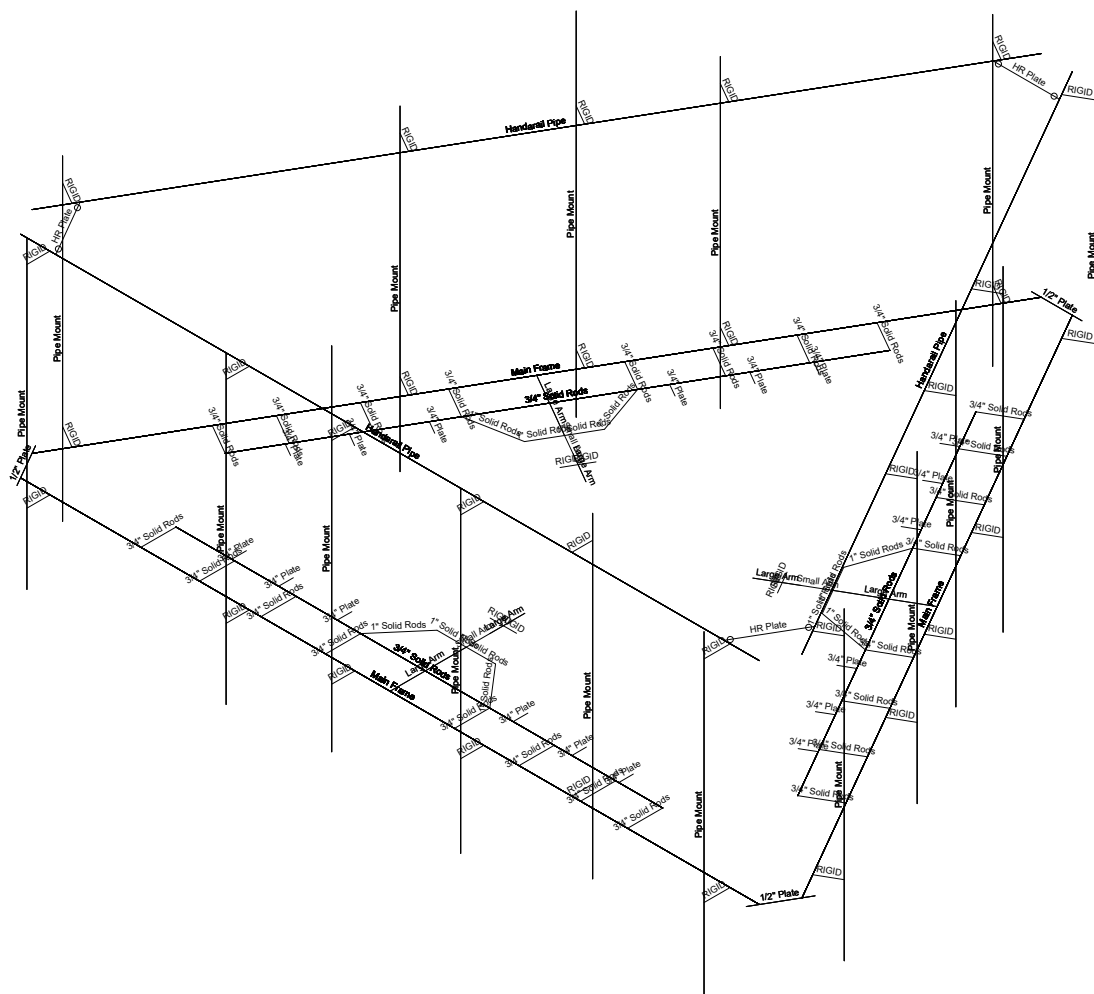
Final Configuration

July 2, 2020 at 10:40 AM

302501_loaded.r3d



302501_loaded.r3d

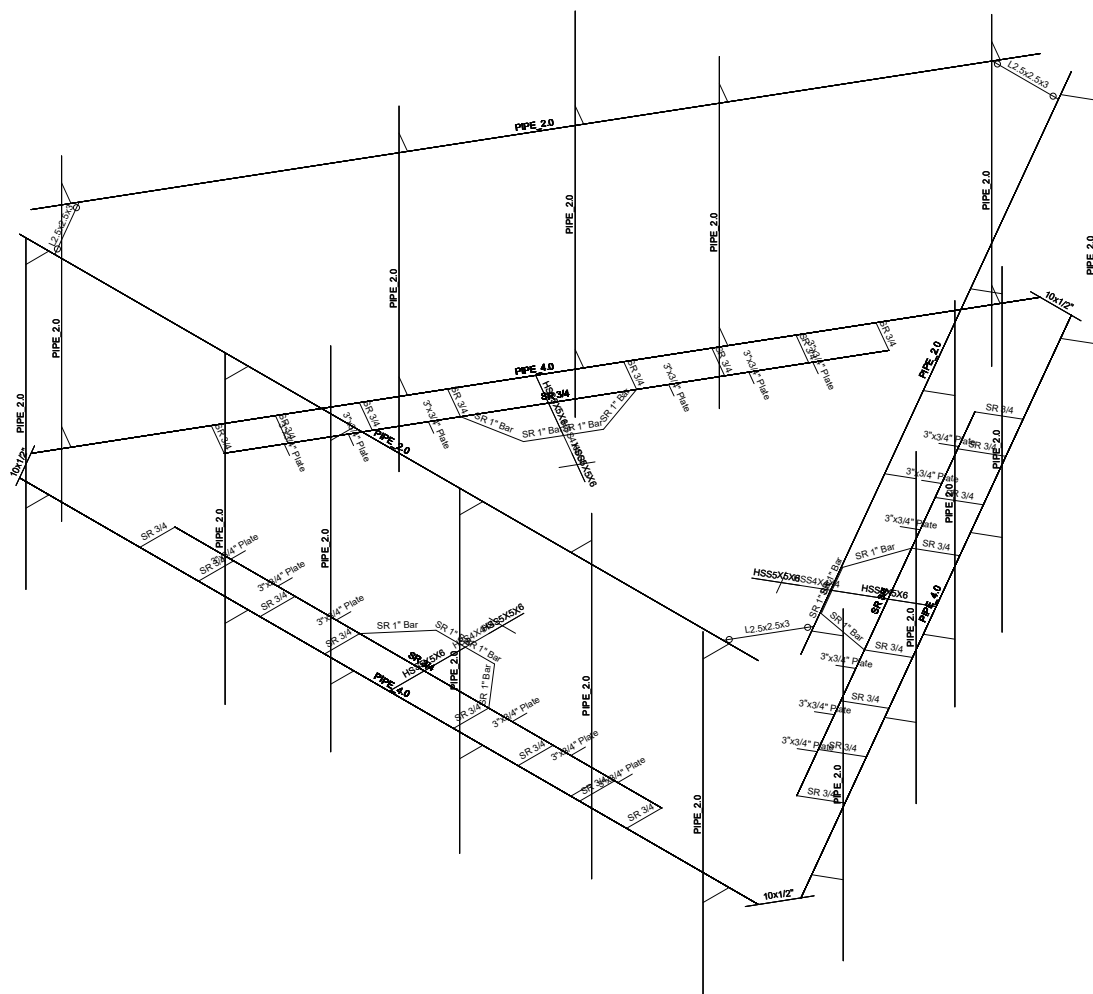


Envelope Only Solution

Infinigy Engineering, PLLC
PSM
1009-Z0003-B

Plymouth CT 3, CT

Section Sets
July 2, 2020 at 10:40 AM
302501_loaded.r3d



Envelope Only Solution

Infinigy Engineering, PLLC

PSM

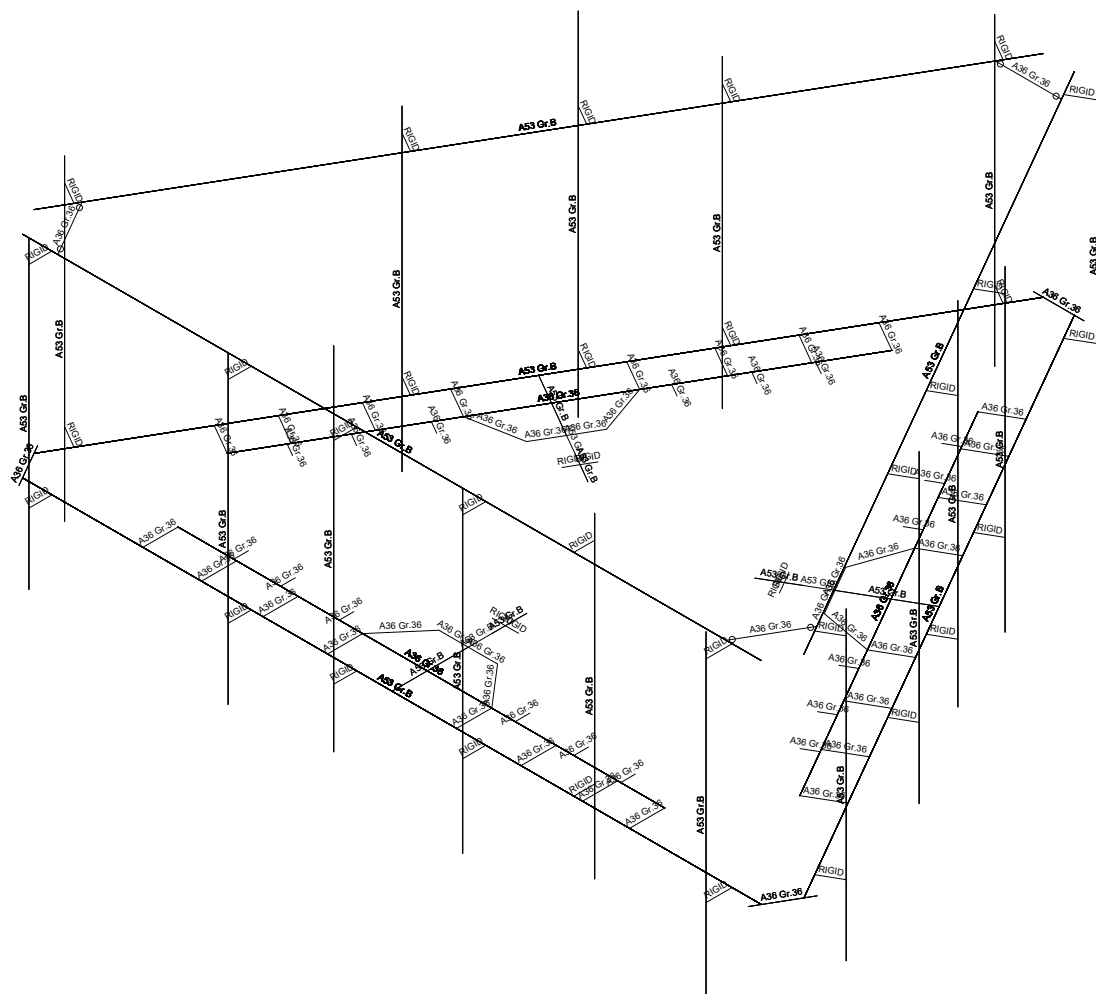
1009-Z0003-B

Plymouth CT 3, CT

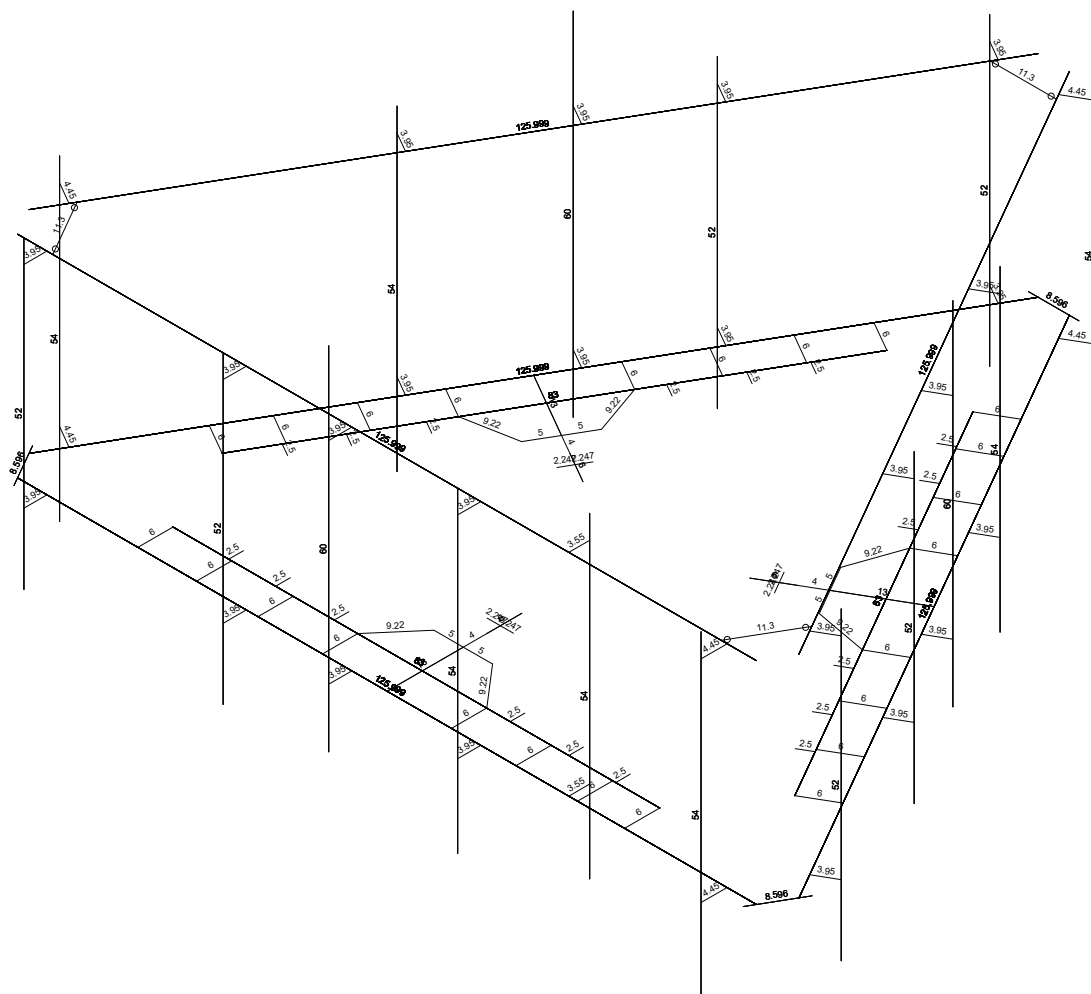
Member Shapes

July 2, 2020 at 10:41 AM

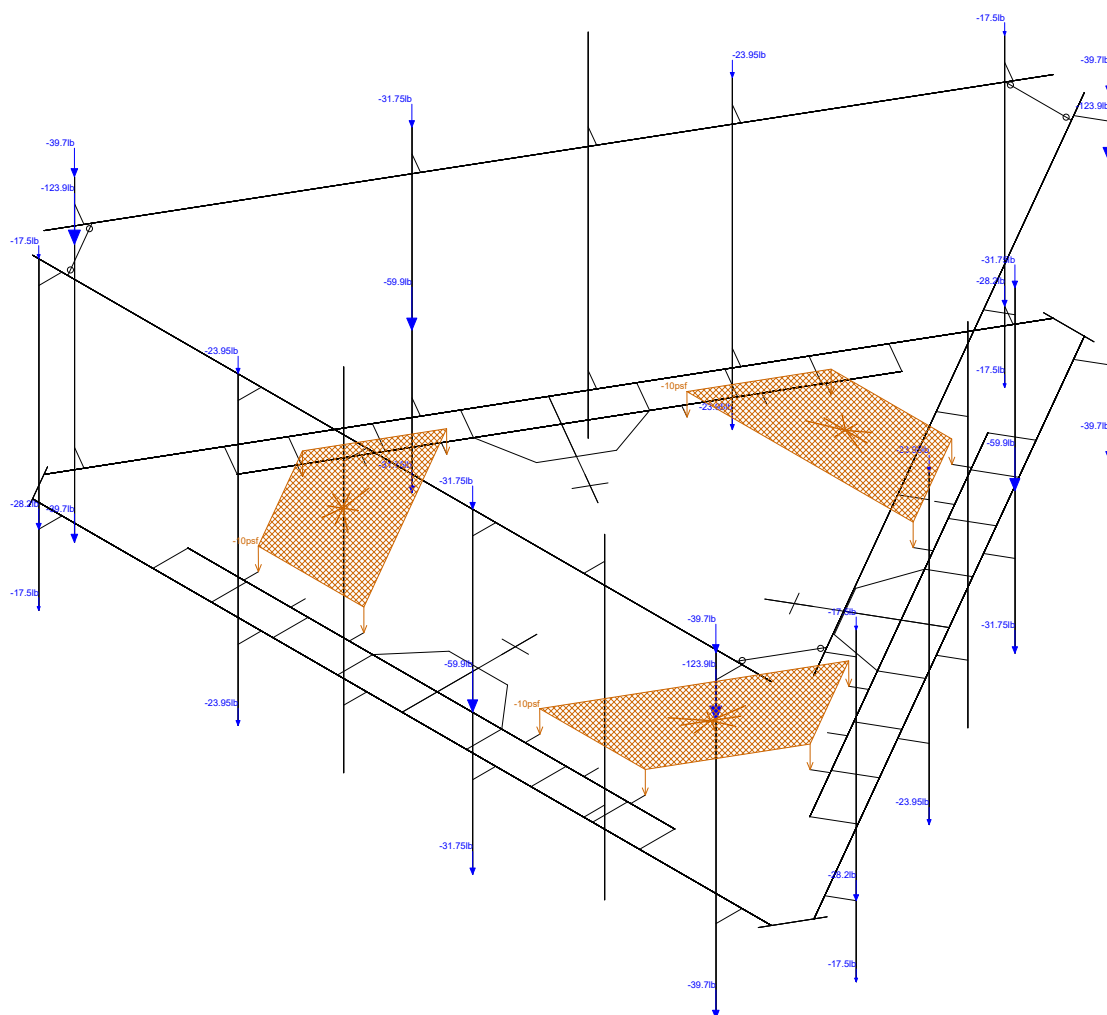
302501_loaded.r3d



Infinigy Engineering, PLLC	Plymouth CT 3, CT	Material Sets
PSM		July 2, 2020 at 10:42 AM
1009-Z0003-B		302501_loaded.r3d

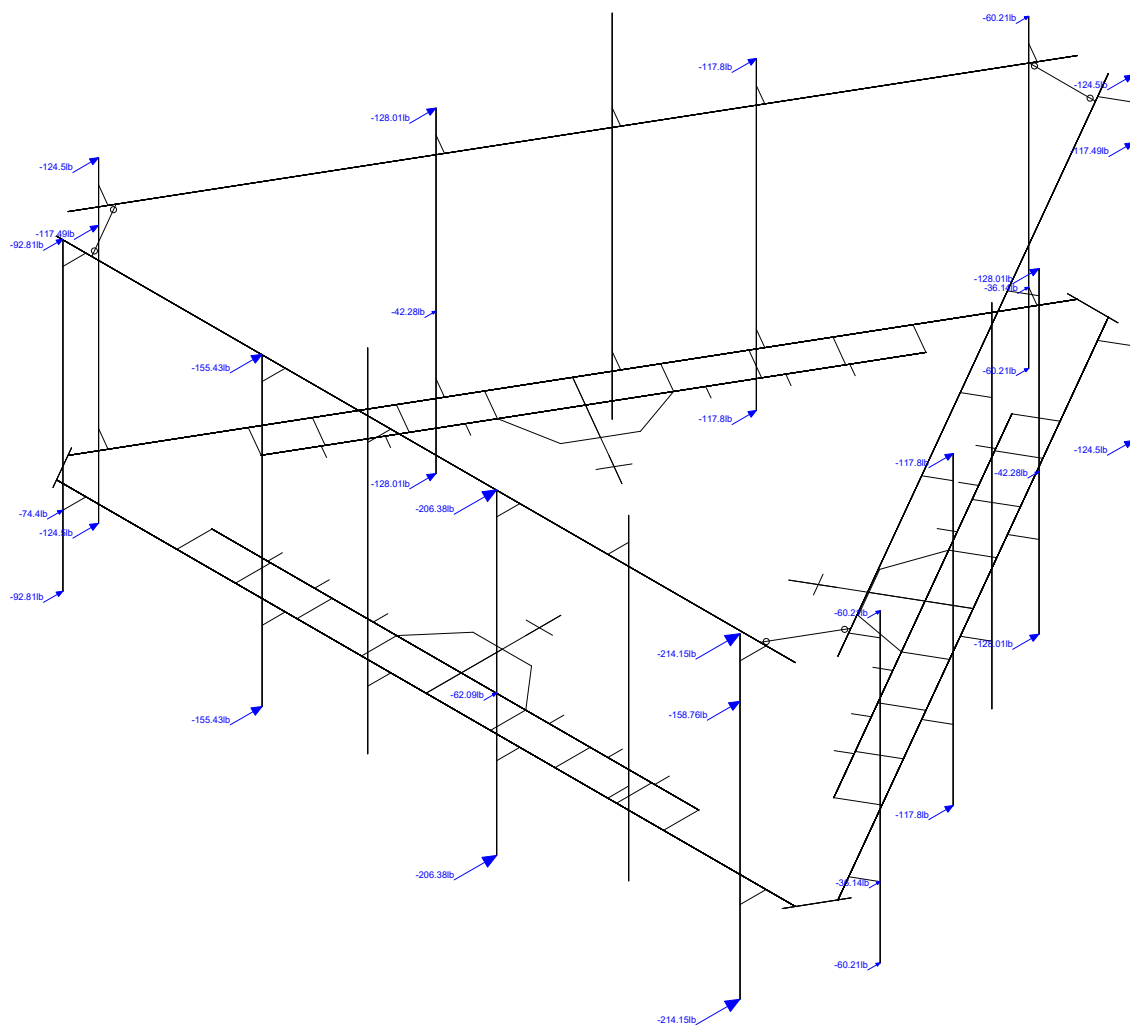


302501_loaded.r3d

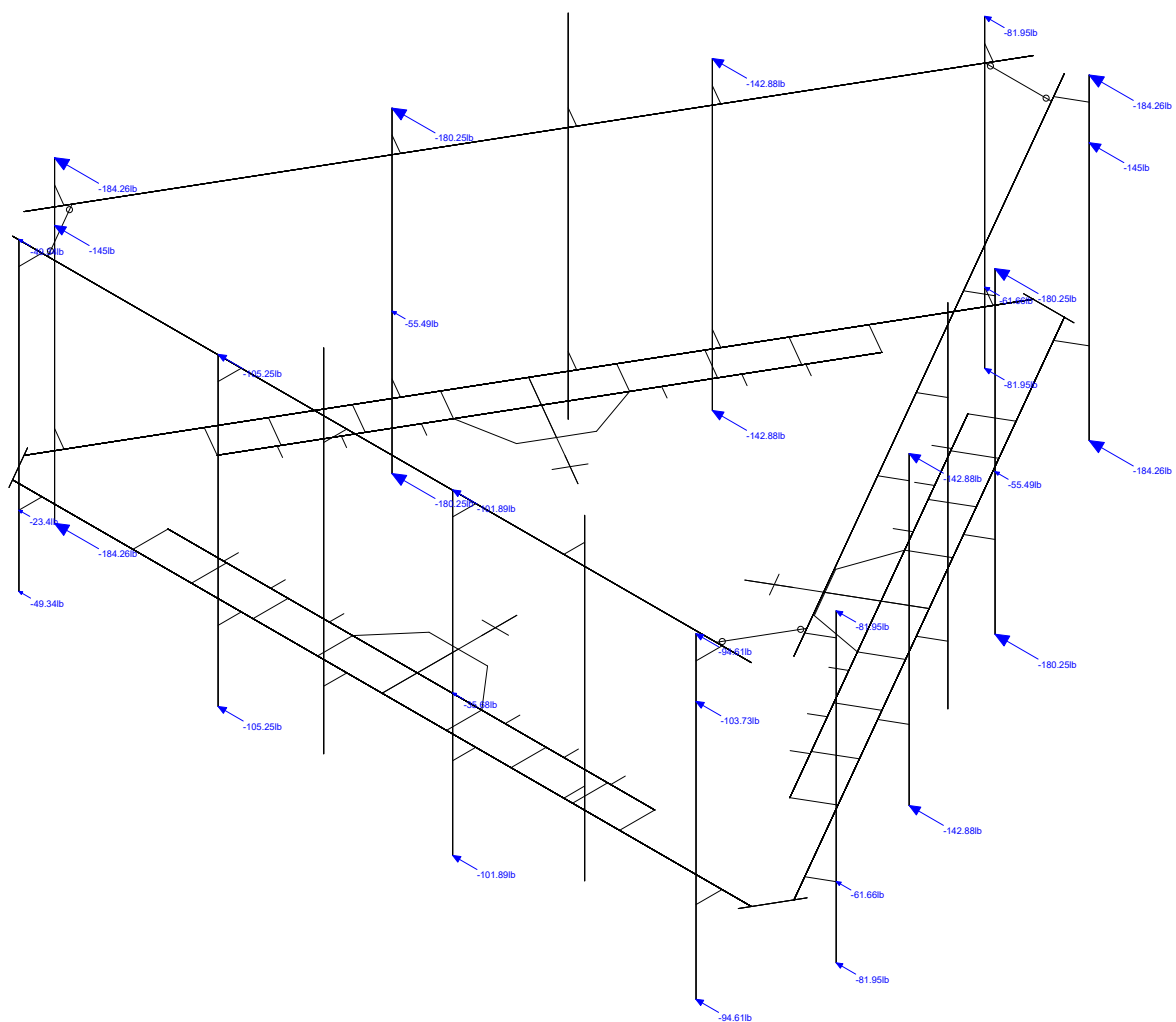


Infinigy Engineering, PLLC
PSM
1009-Z0003-B

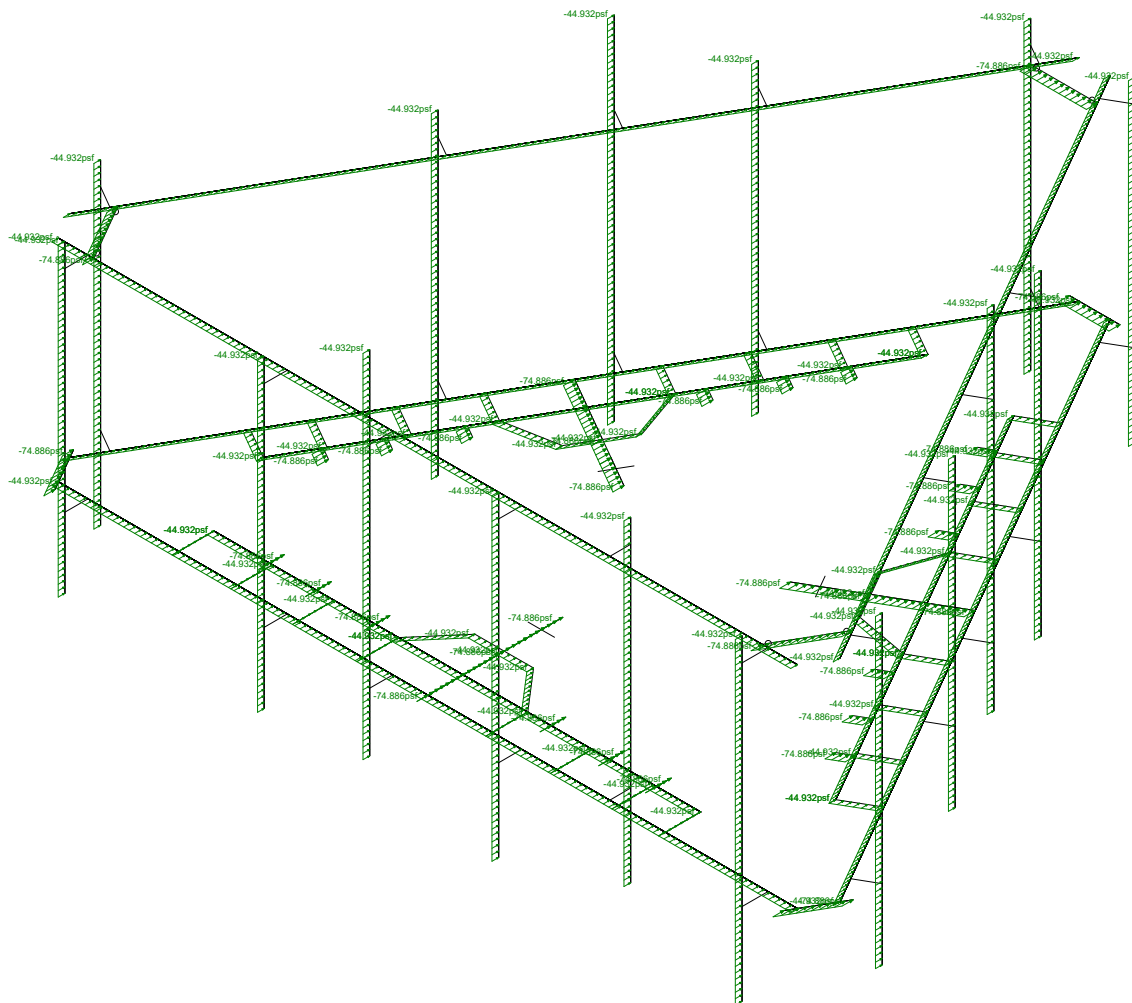
Self Weight
July 2, 2020 at 10:42 AM
302501_loaded.r3d



302501_loaded.r3d



302501_loaded.r3d



Loads: BLC 14, Distr. Wind Load Z

Infinigy Engineering, PLLC

PSM

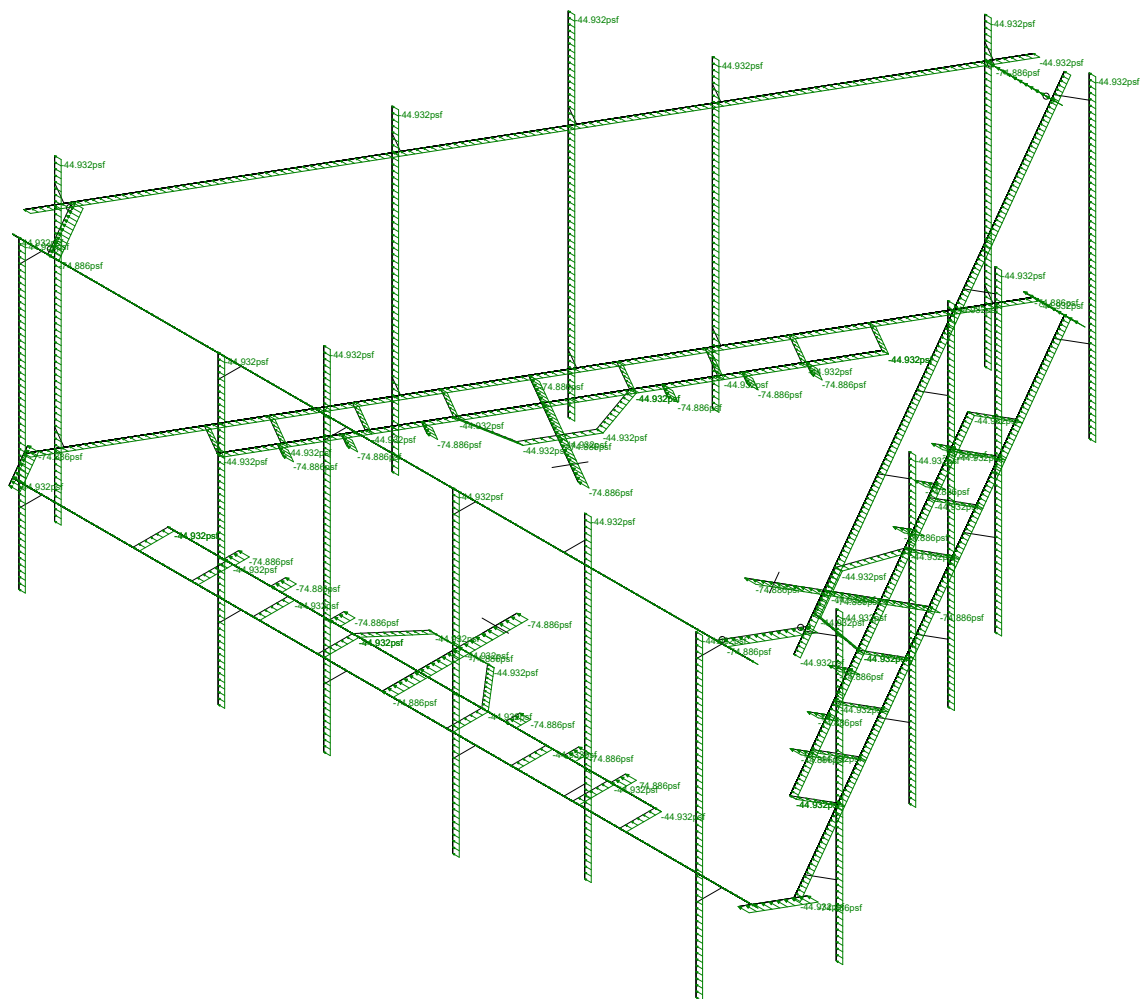
1009-Z0003-B

Plymouth CT 3, CT

Distr Wind Load AZI 000

July 2, 2020 at 10:43 AM

302501_loaded.r3d

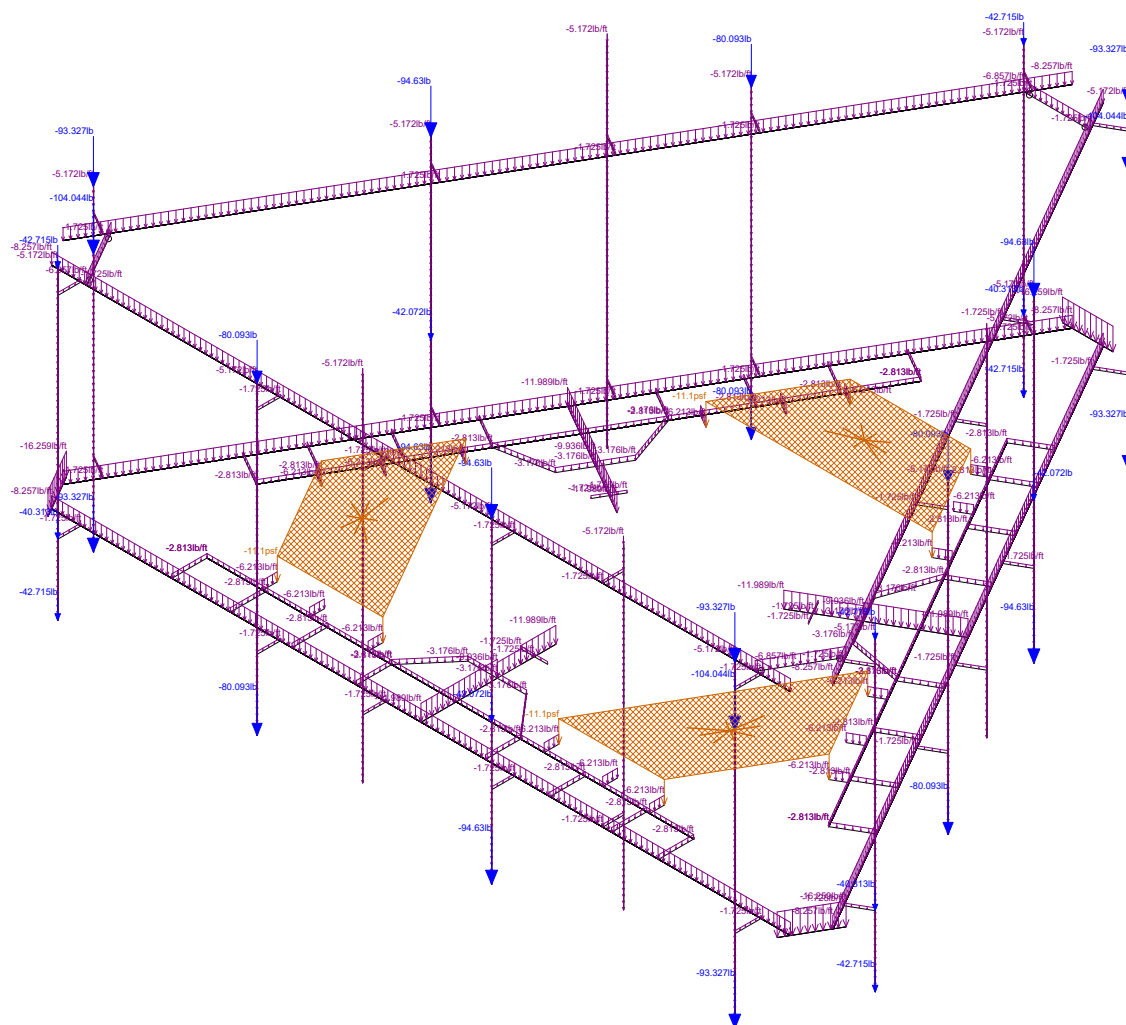


Loads: BLC 15, Distr. Wind Load X

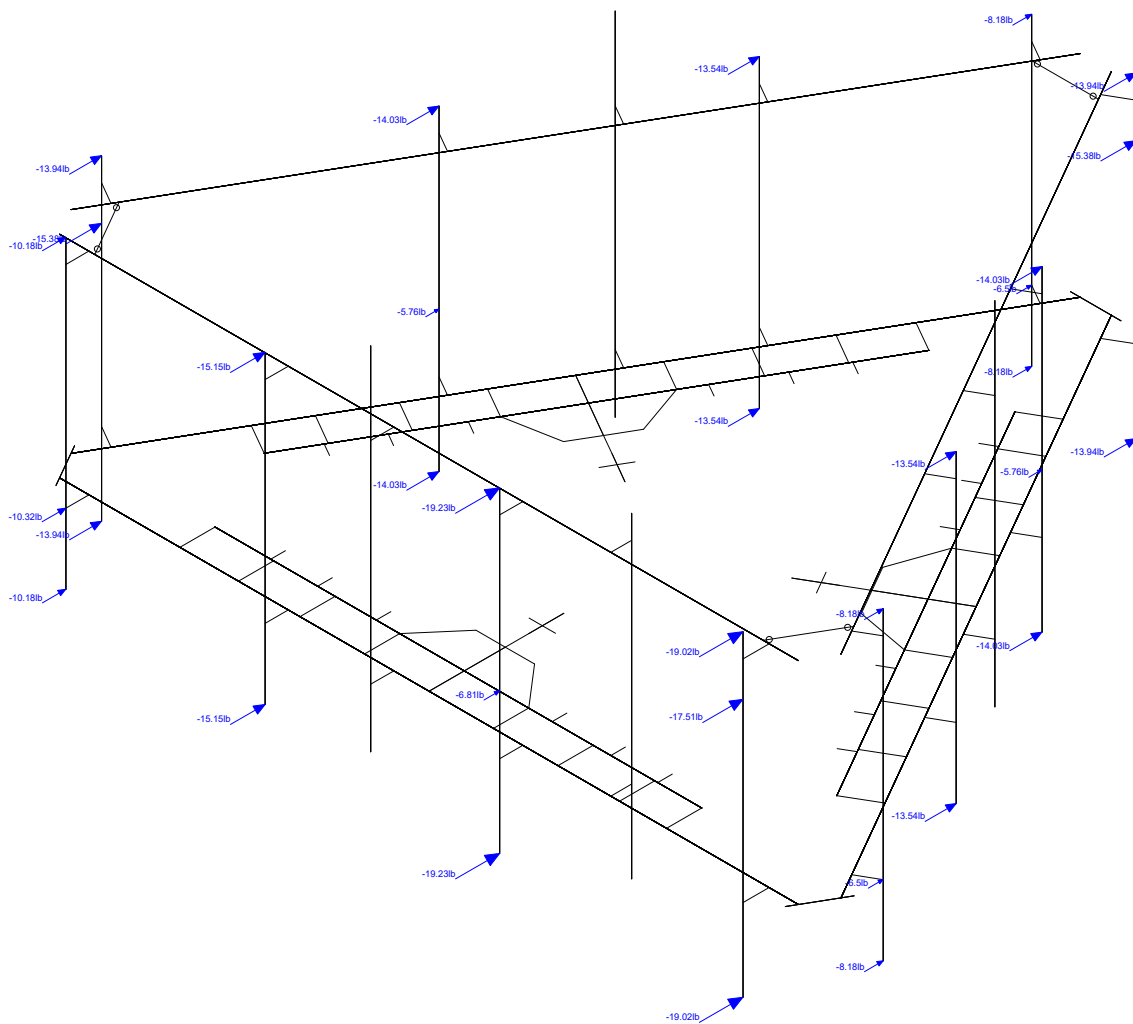
Infinigy Engineering, PLLC
PSM
1009-Z0003-B

Plymouth CT 3, CT

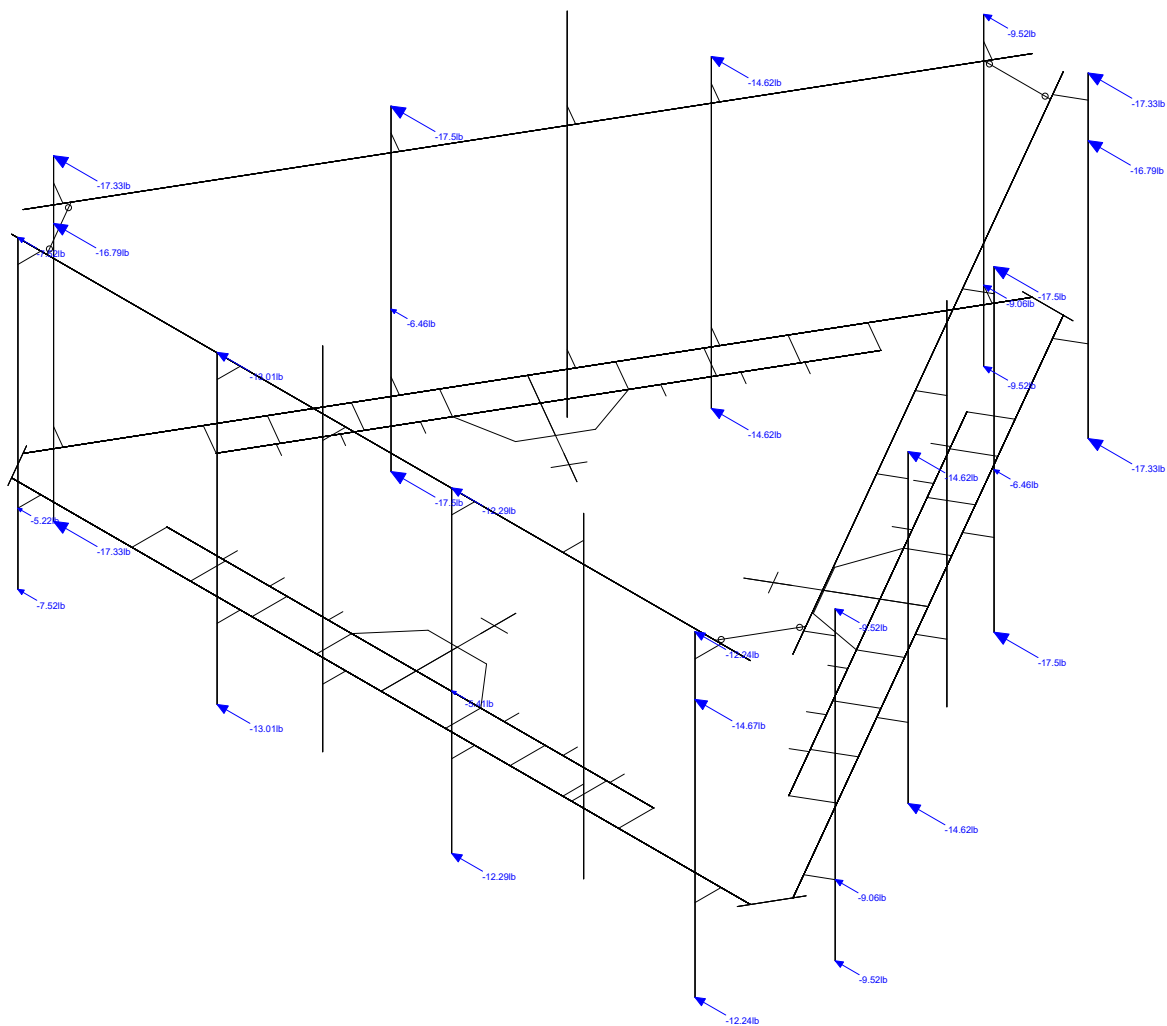
Distr Wind Load AZI 090
July 2, 2020 at 10:43 AM
302501_loaded.r3d



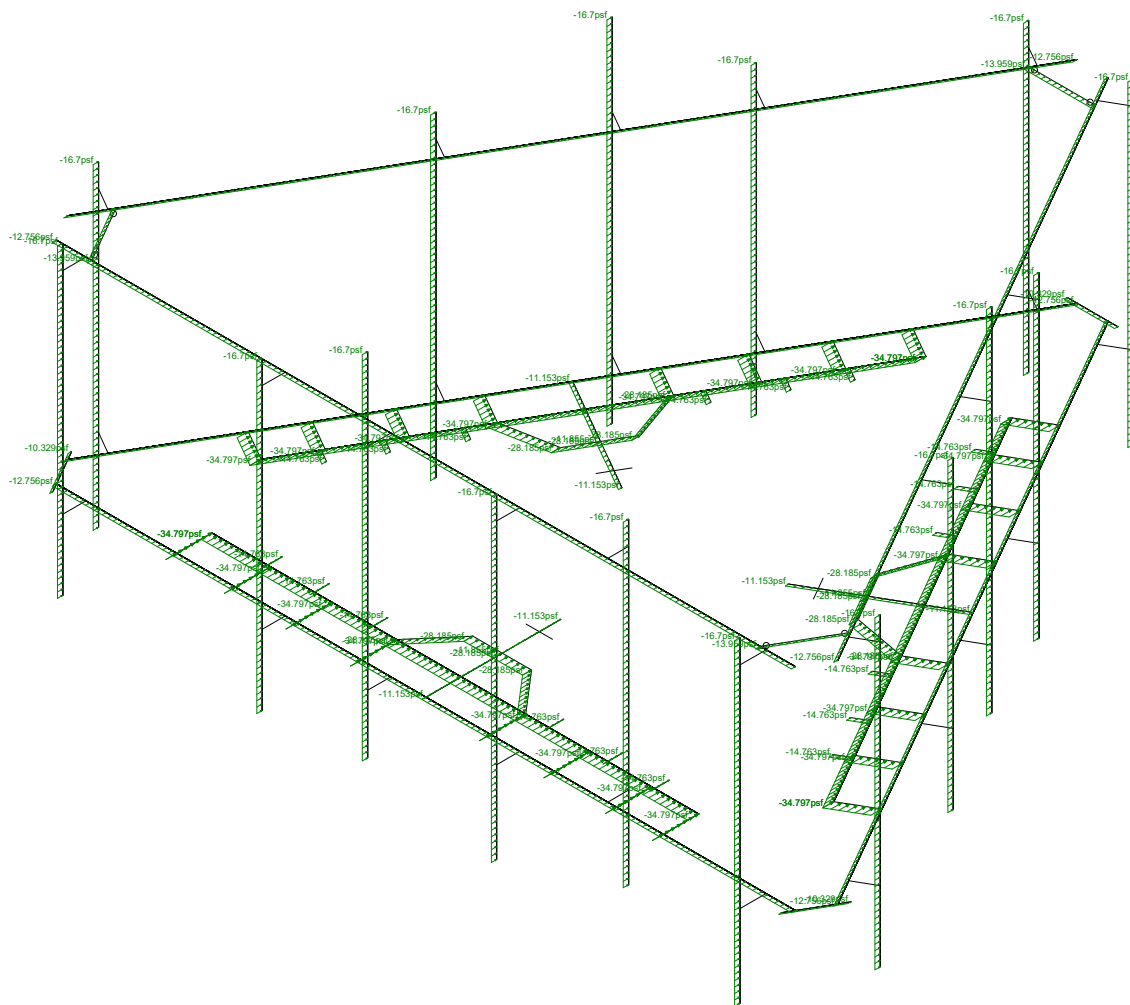
302501_loaded.r3d



302501_loaded.r3d



302501_loaded.r3d

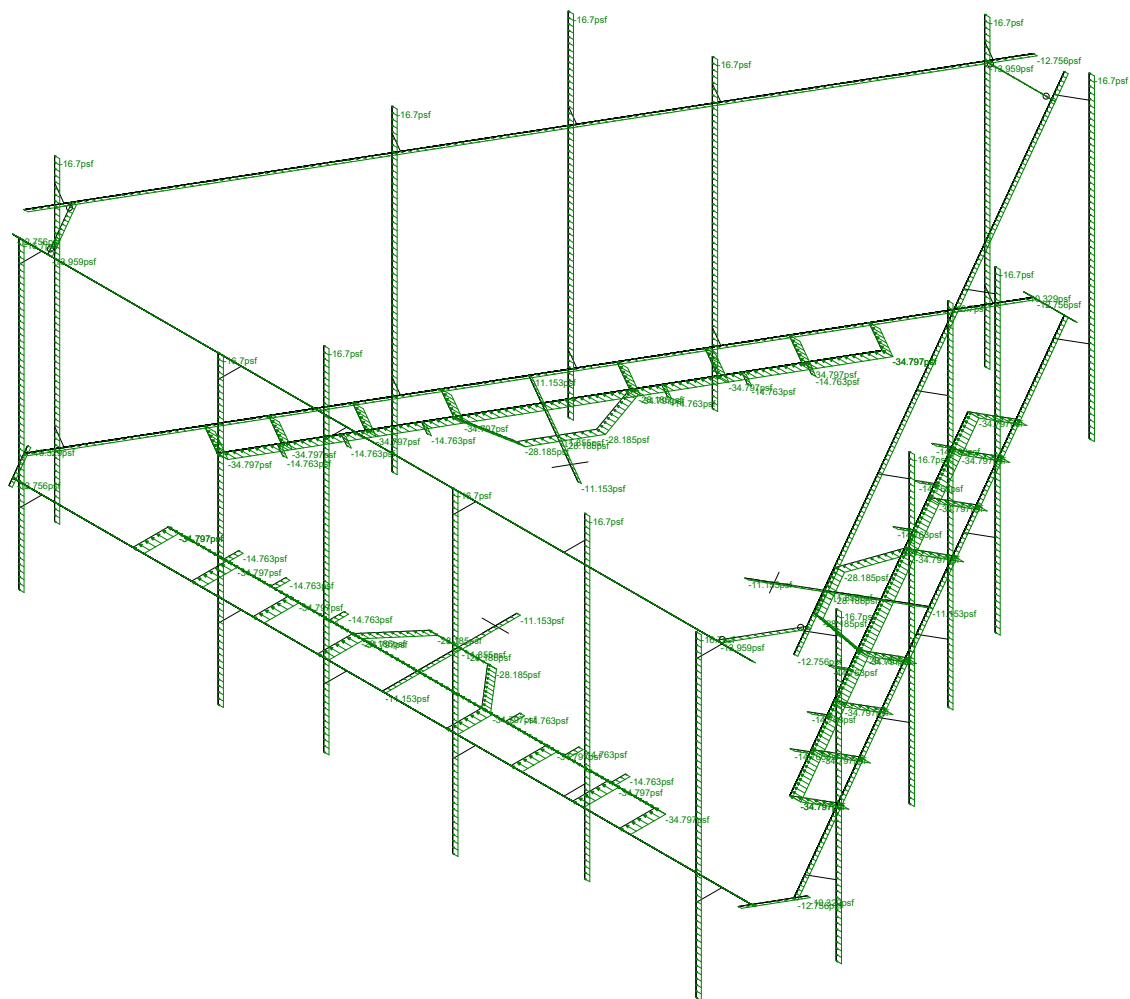


Loads: BLC 29, Distr. Ice Wind Load Z

Infinigy Engineering, PLLC
PSM
1009-Z0003-B

Plymouth CT 3, CT

Distr Ice + Wind Load AZI 000
July 2, 2020 at 10:44 AM
302501_loaded.r3d

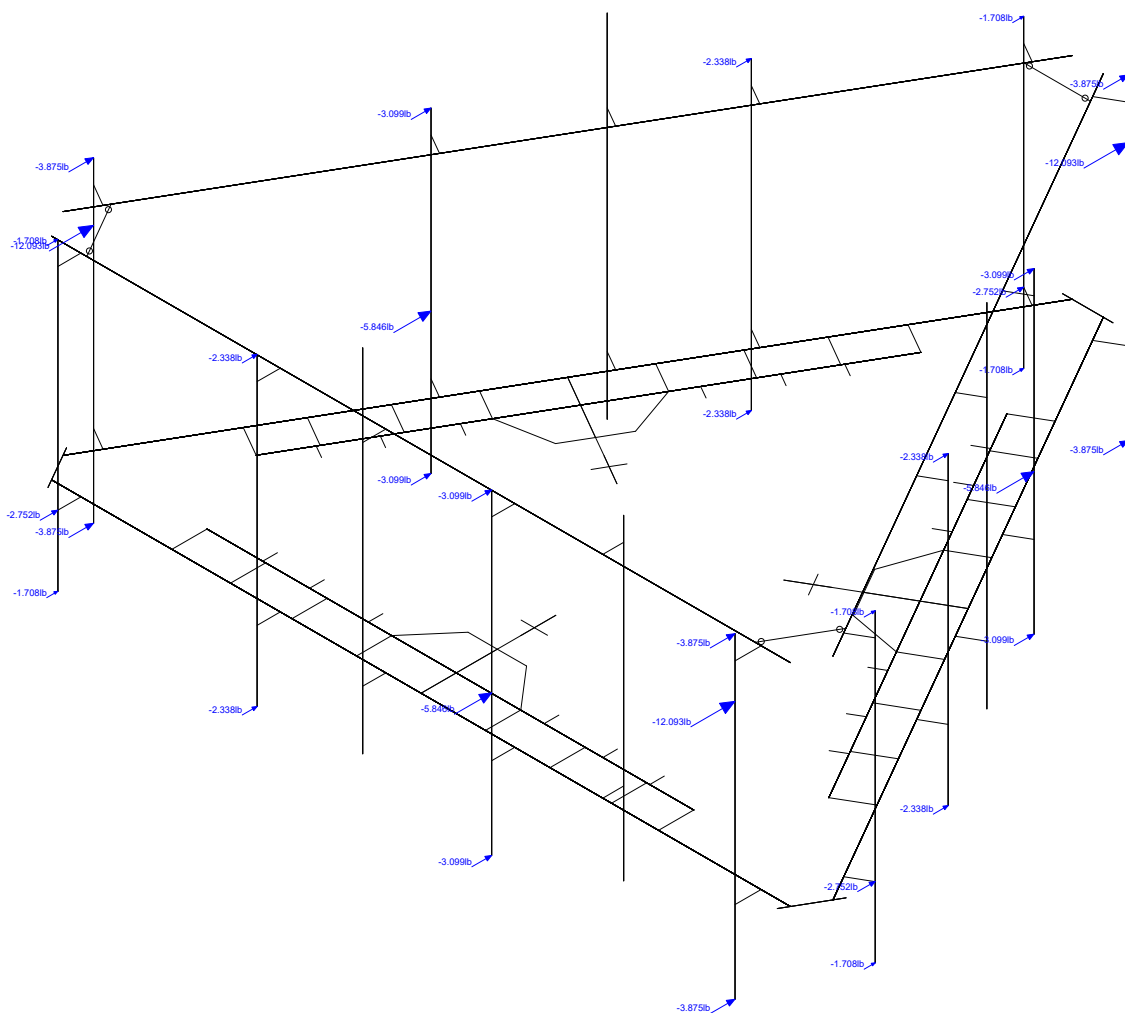


Loads: BLC 30, Distr. Ice Wind Load X

Infinigy Engineering, PLLC
PSM
1009-Z0003-B

Plymouth CT 3, CT

Distr Ice + Wind Load AZI 090
July 2, 2020 at 10:44 AM
302501_loaded.r3d



Loads: BLC 31, Seismic Load Z

Infinigy Engineering, PLLC

PSM

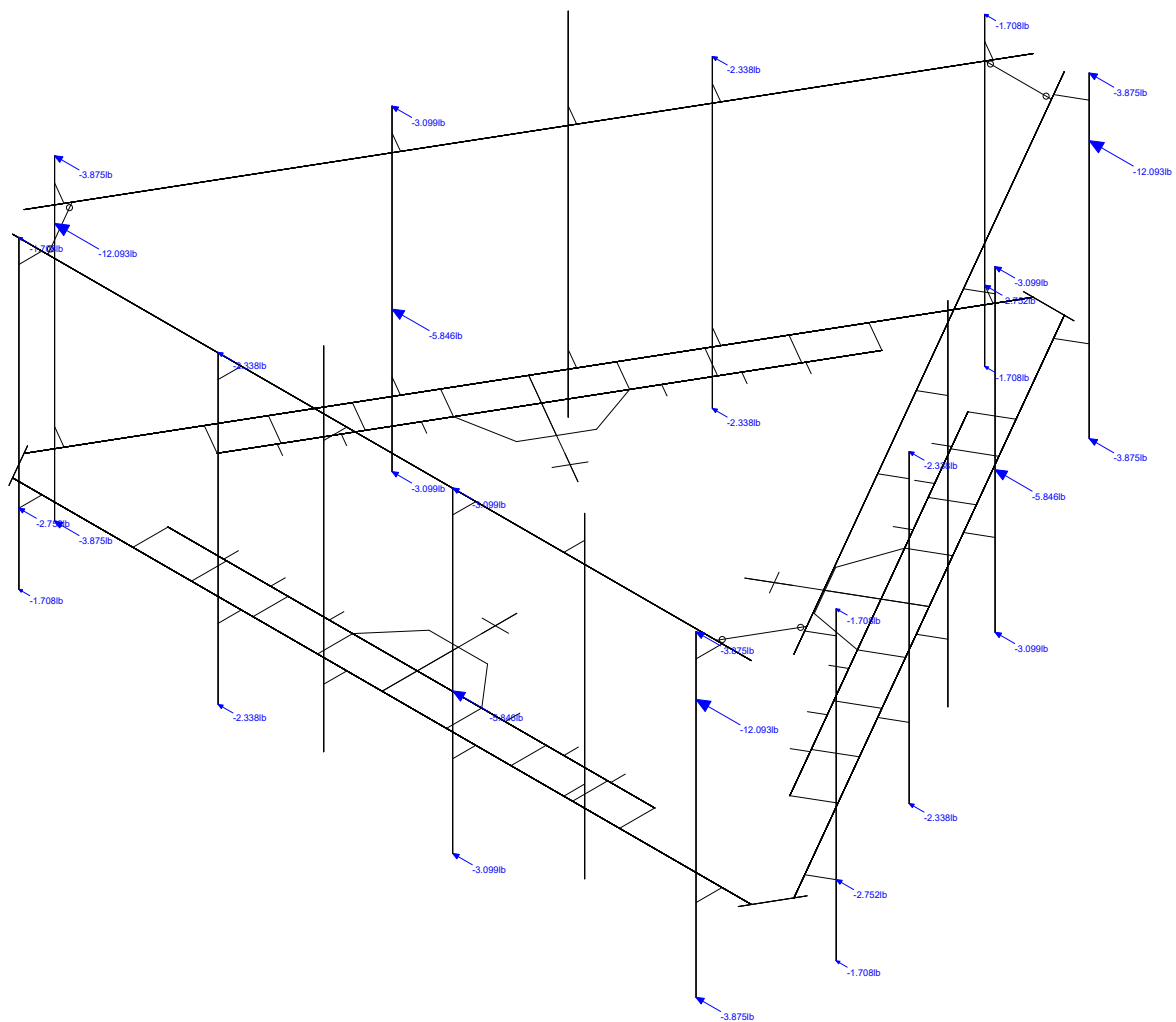
1009-Z0003-B

Plymouth CT 3, CT

Seismic Load AZI 000

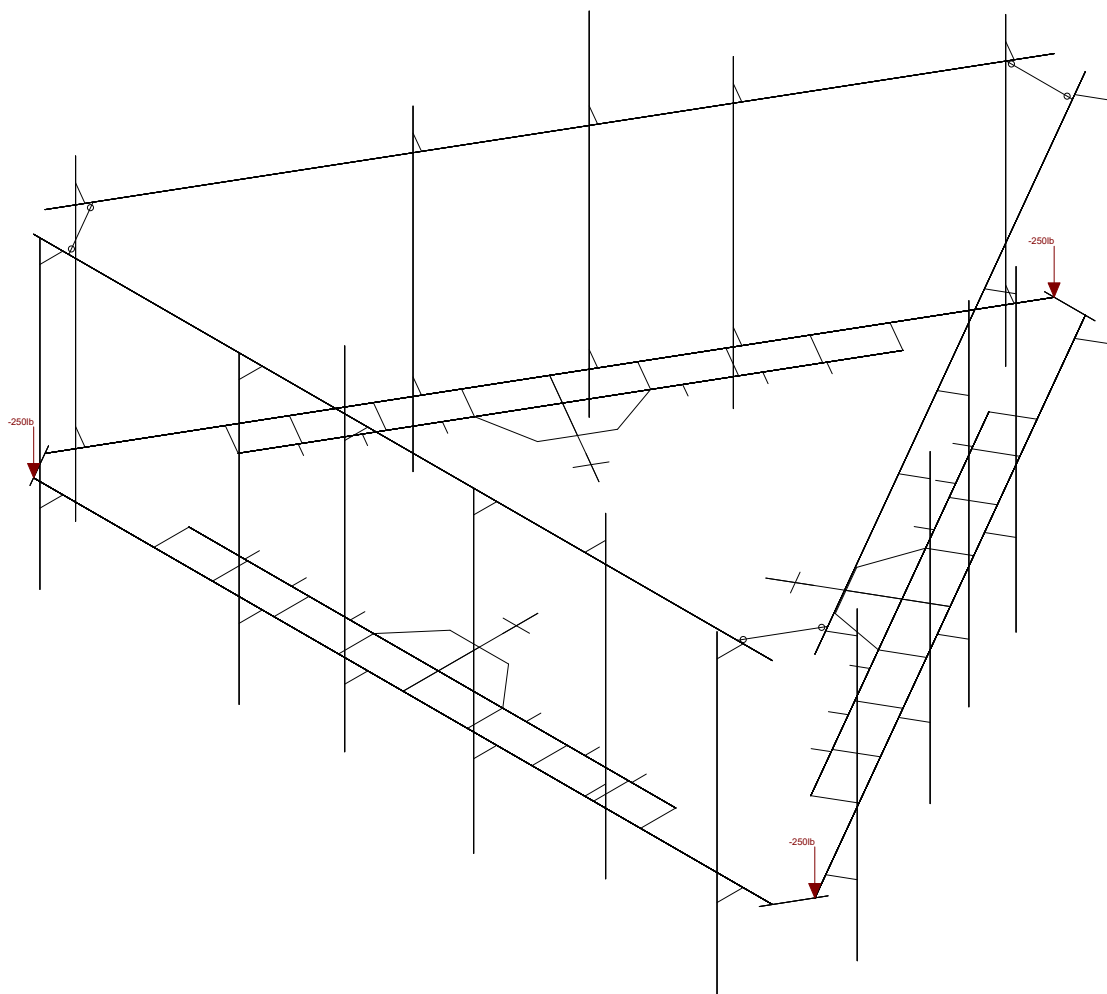
July 2, 2020 at 10:45 AM

302501_loaded.r3d



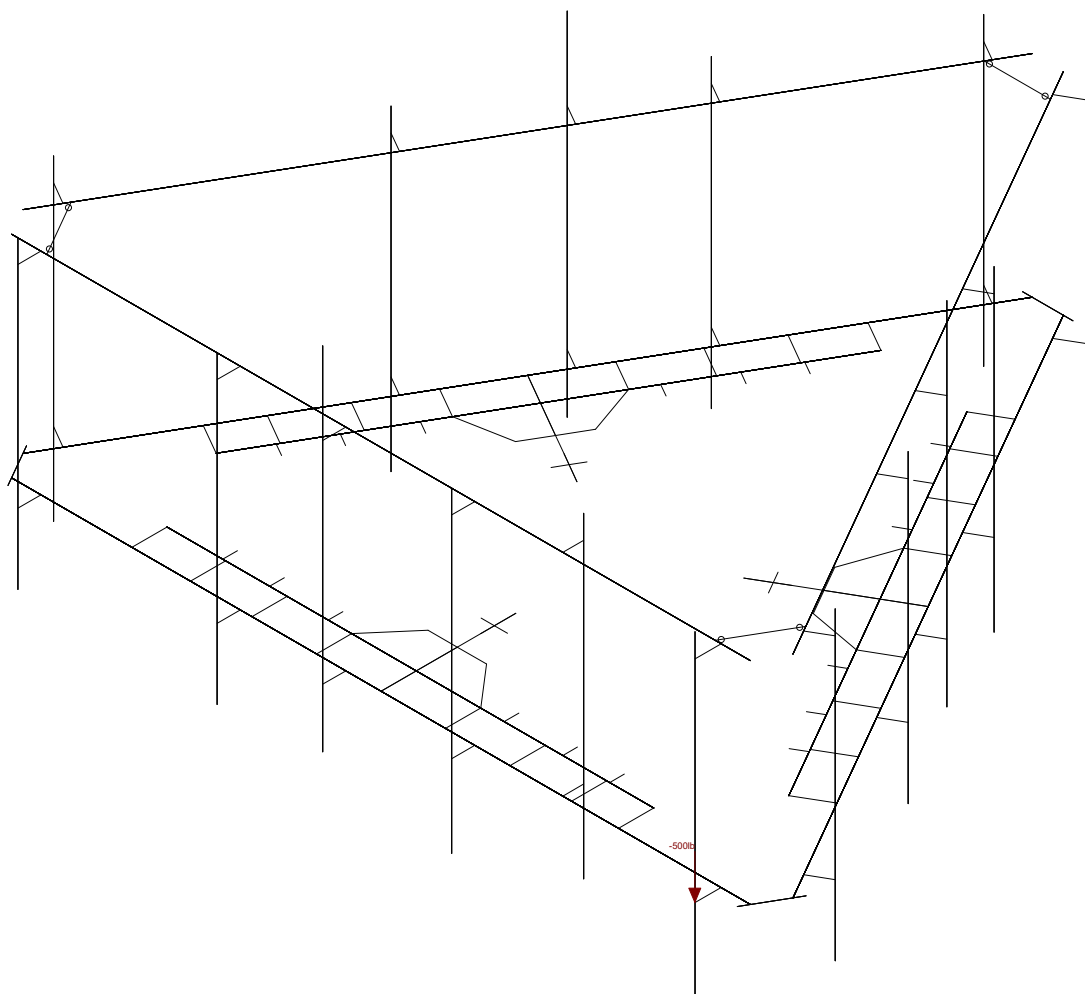
Infinigy Engineering, PLLC
PSM
1009-Z0003-B

Seismic Load AZI 090
July 2, 2020 at 10:45 AM
302501_loaded.r3d



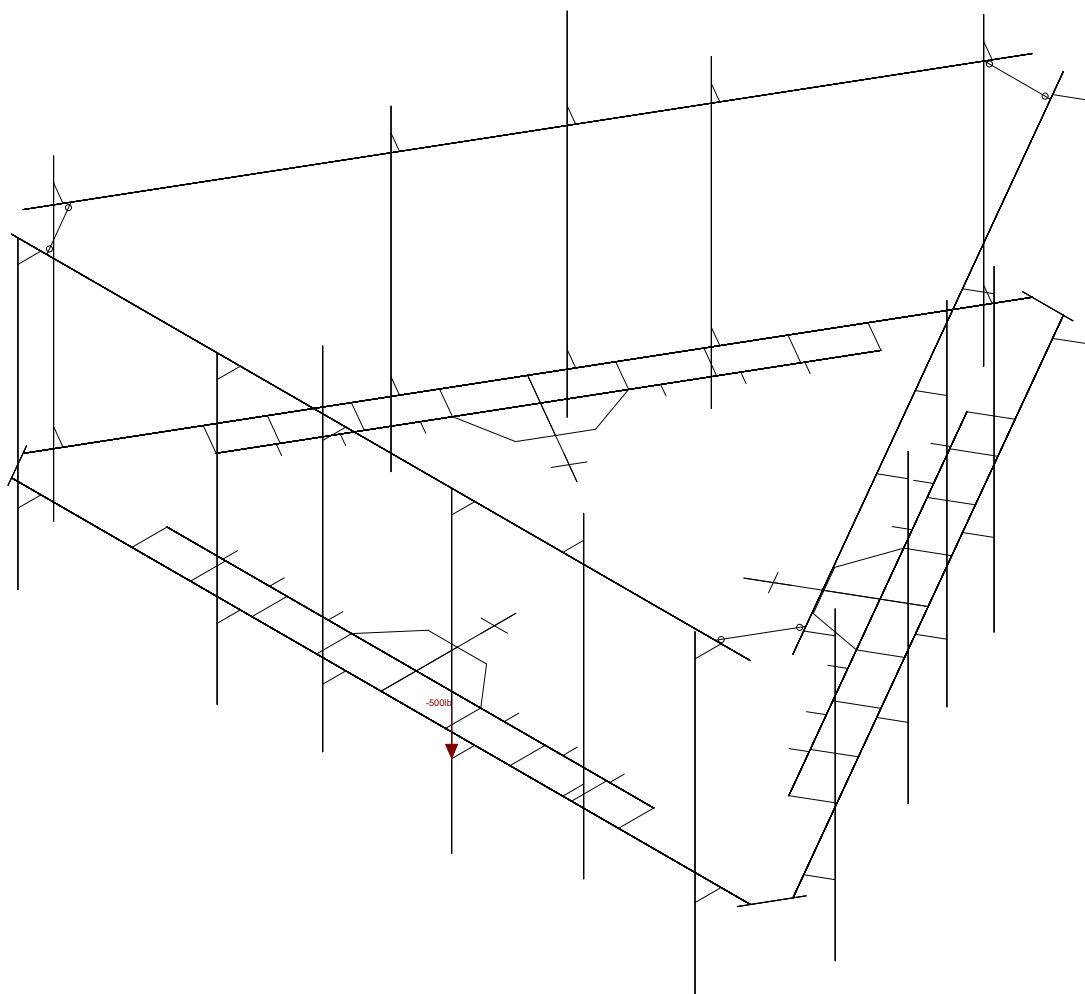
Loads: BLC 33, Service Live Loads

Infinigy Engineering, PLLC	Plymouth CT 3, CT	Service Live Load
PSM		July 2, 2020 at 10:45 AM
1009-Z0003-B		302501_loaded.r3d



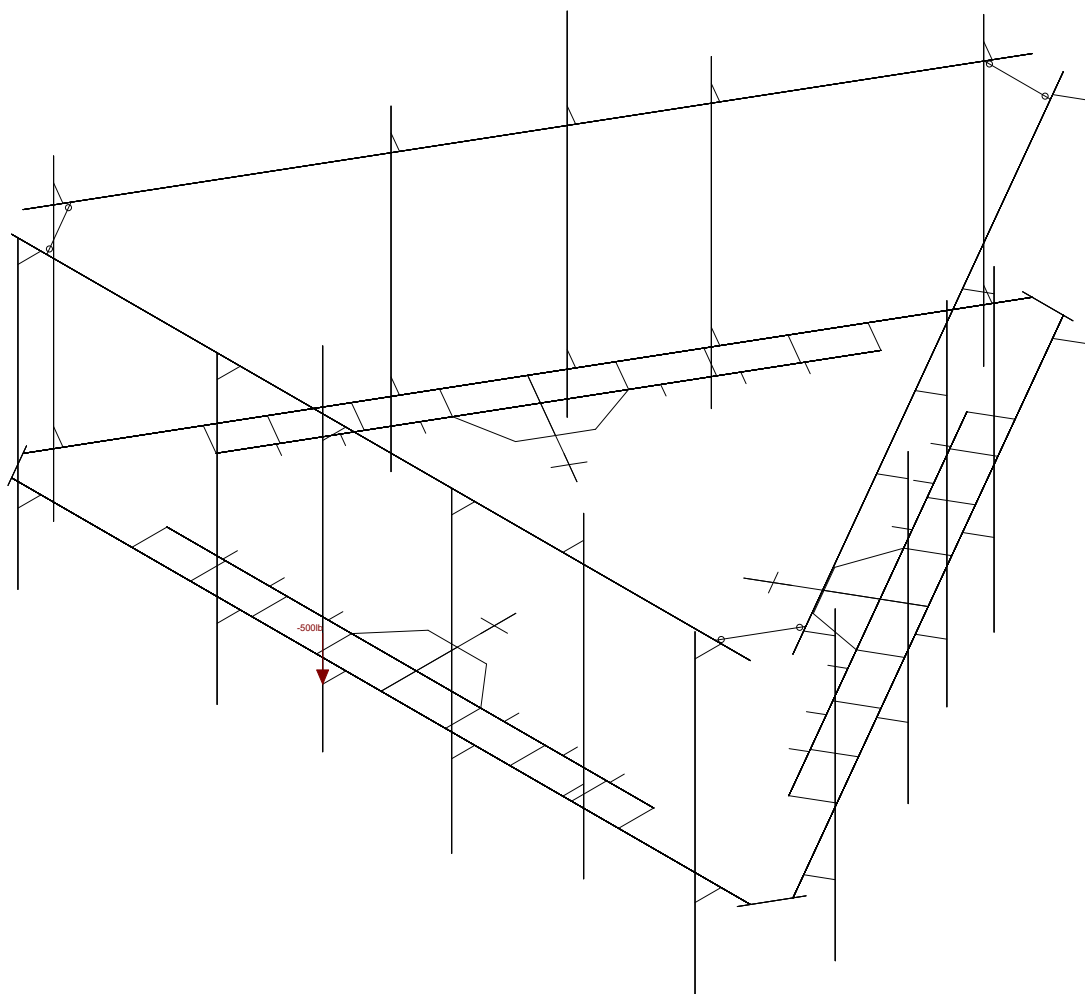
Loads: BLC 34, Maintenance Load 1

Infinigy Engineering, PLLC	Plymouth CT 3, CT	Maintenance Load 1
PSM		July 2, 2020 at 10:45 AM
1009-Z0003-B		302501_loaded.r3d



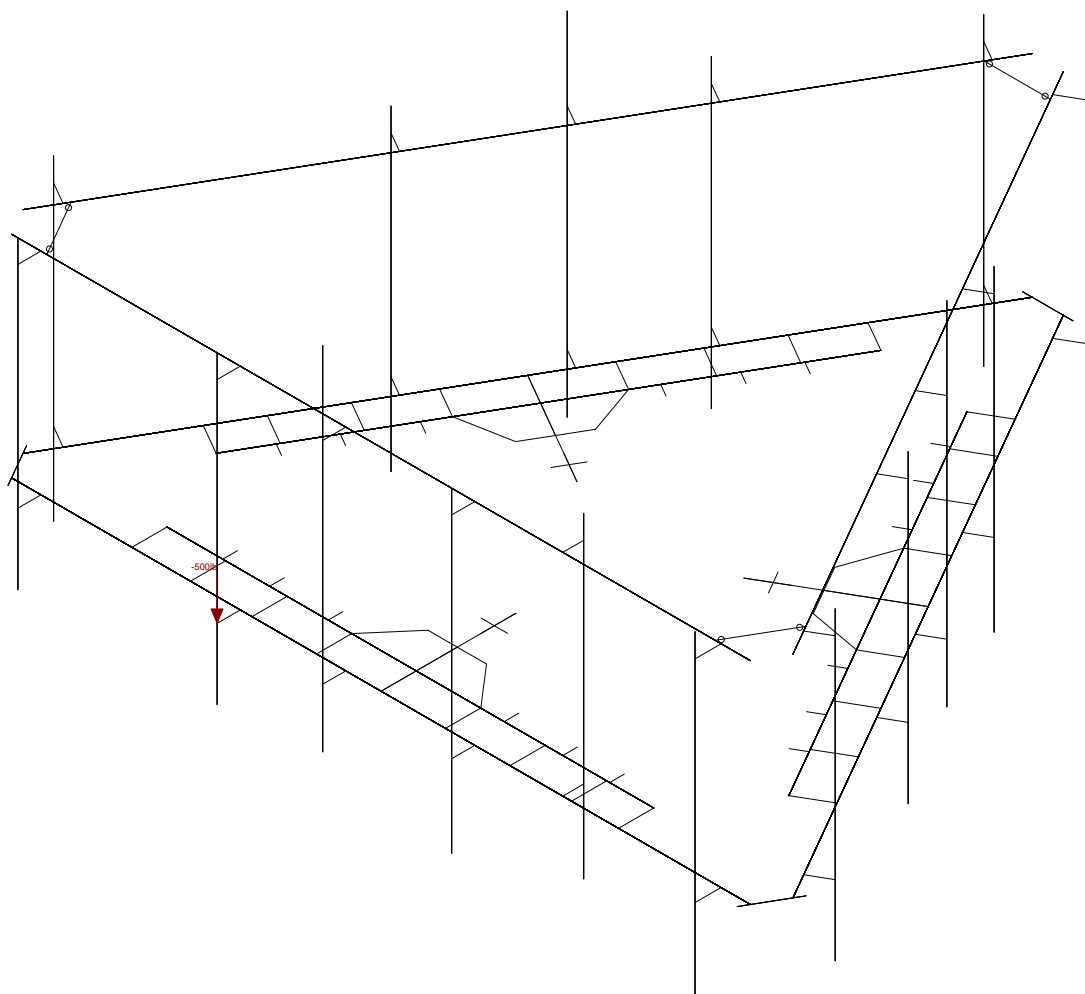
Loads: BLC 35, Maintenance Load 2

Infinigy Engineering, PLLC	Plymouth CT 3, CT	Maintenance Load 2
PSM		July 2, 2020 at 10:46 AM
1009-Z0003-B		302501_loaded.r3d



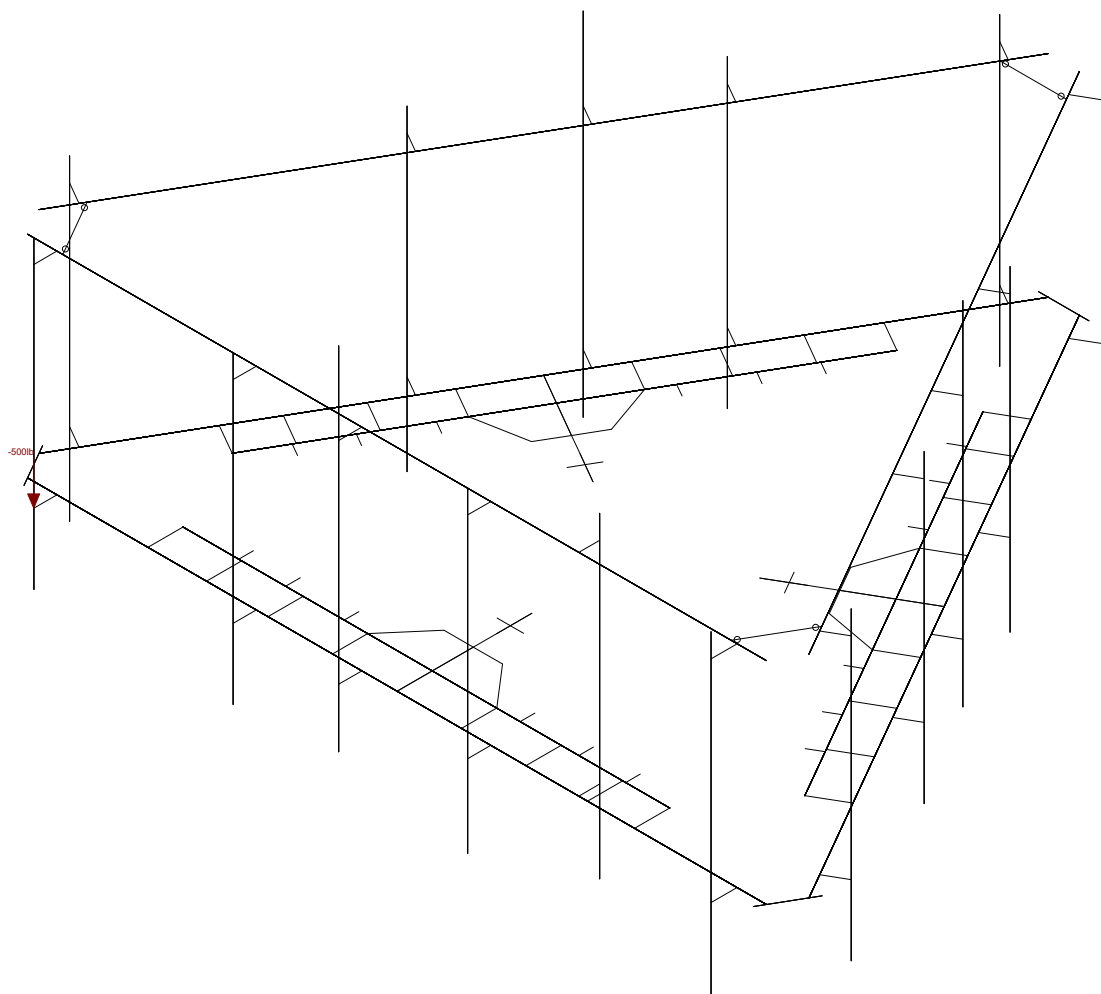
Loads: BLC 36, Maintenance Load 3

Infinigy Engineering, PLLC	Plymouth CT 3, CT	Maintenance Load 3
PSM		July 2, 2020 at 10:46 AM
1009-Z0003-B		302501_loaded.r3d



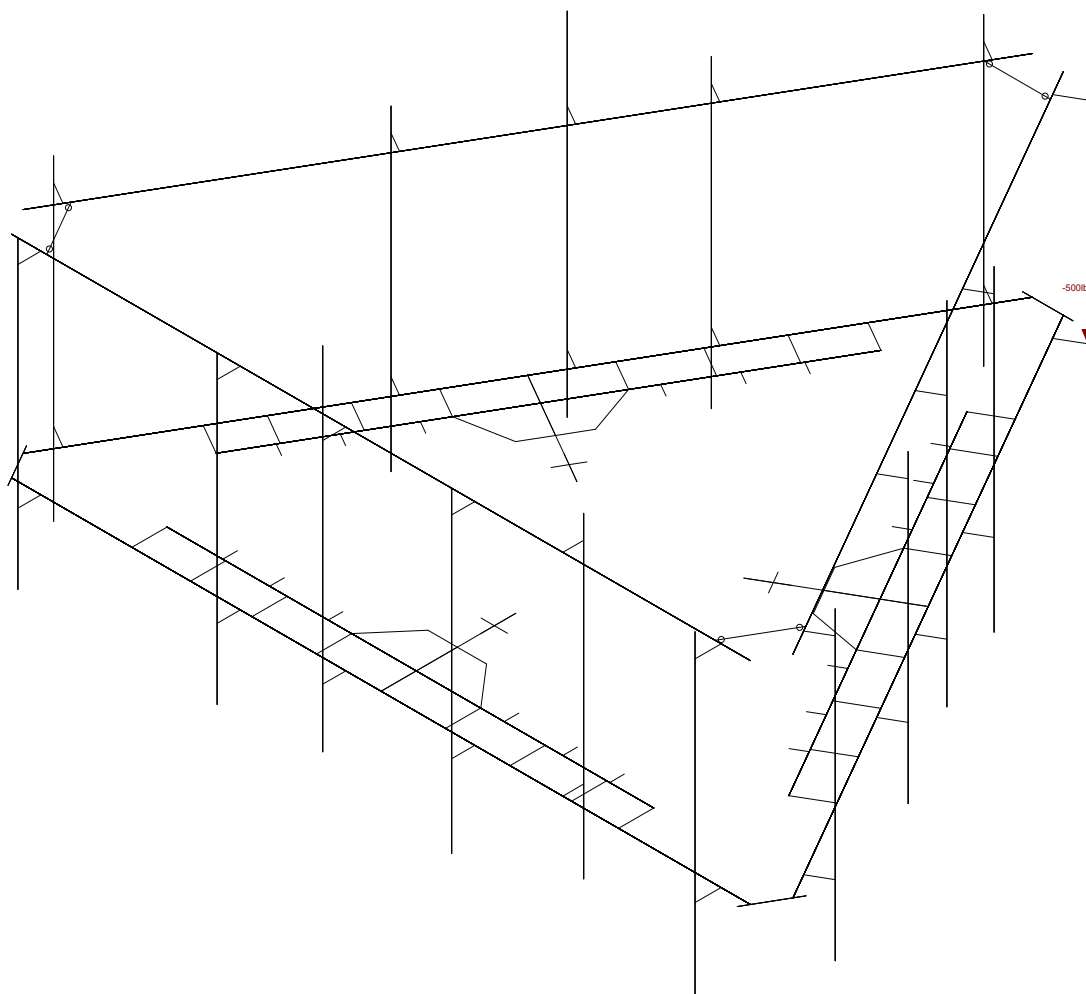
Loads: BLC 37, Maintenance Load 4

Infinigy Engineering, PLLC	Plymouth CT 3, CT	Maintenance Load 4
PSM		July 2, 2020 at 10:46 AM
1009-Z0003-B		302501_loaded.r3d



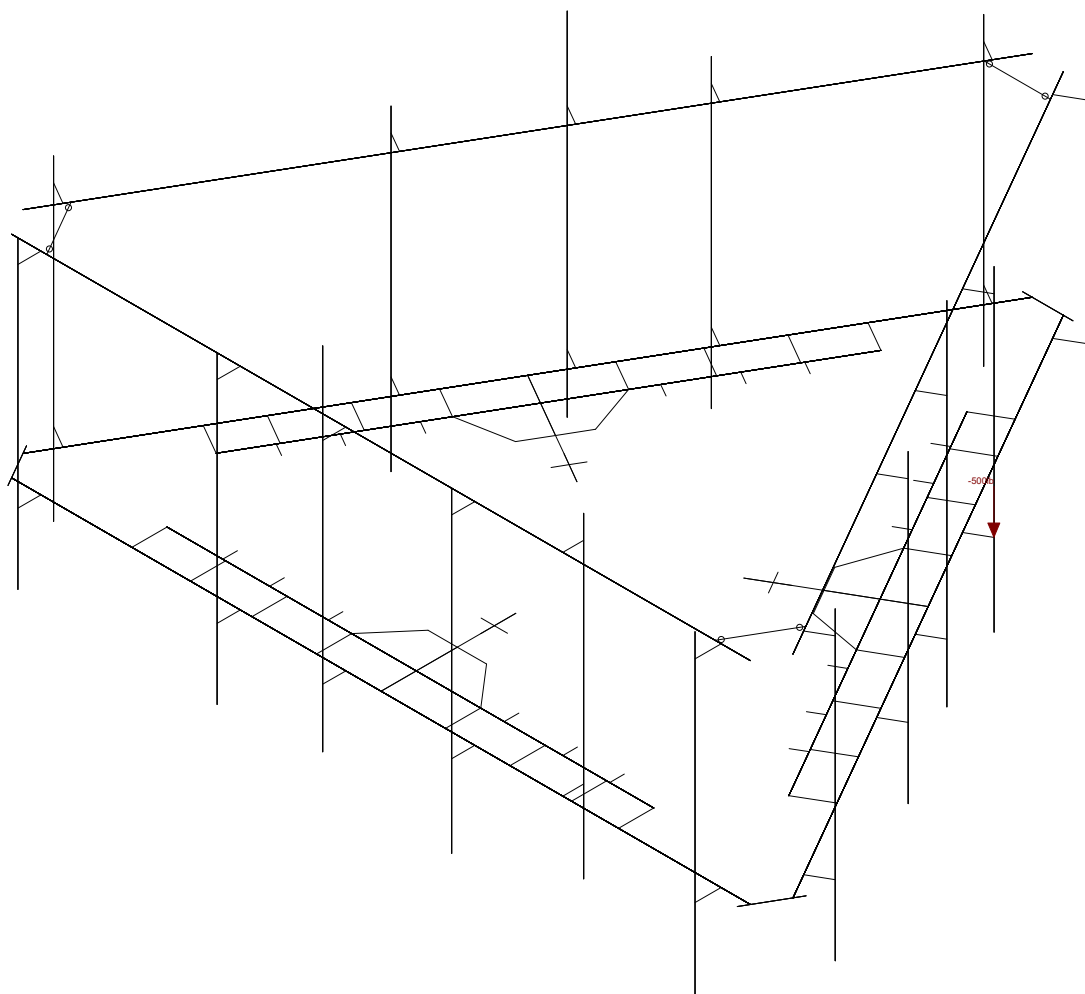
Loads: BLC 38, Maintenance Load 5

Infinigy Engineering, PLLC	Plymouth CT 3, CT	Maintenance Load 5
PSM		July 2, 2020 at 10:46 AM
1009-Z0003-B		302501_loaded.r3d



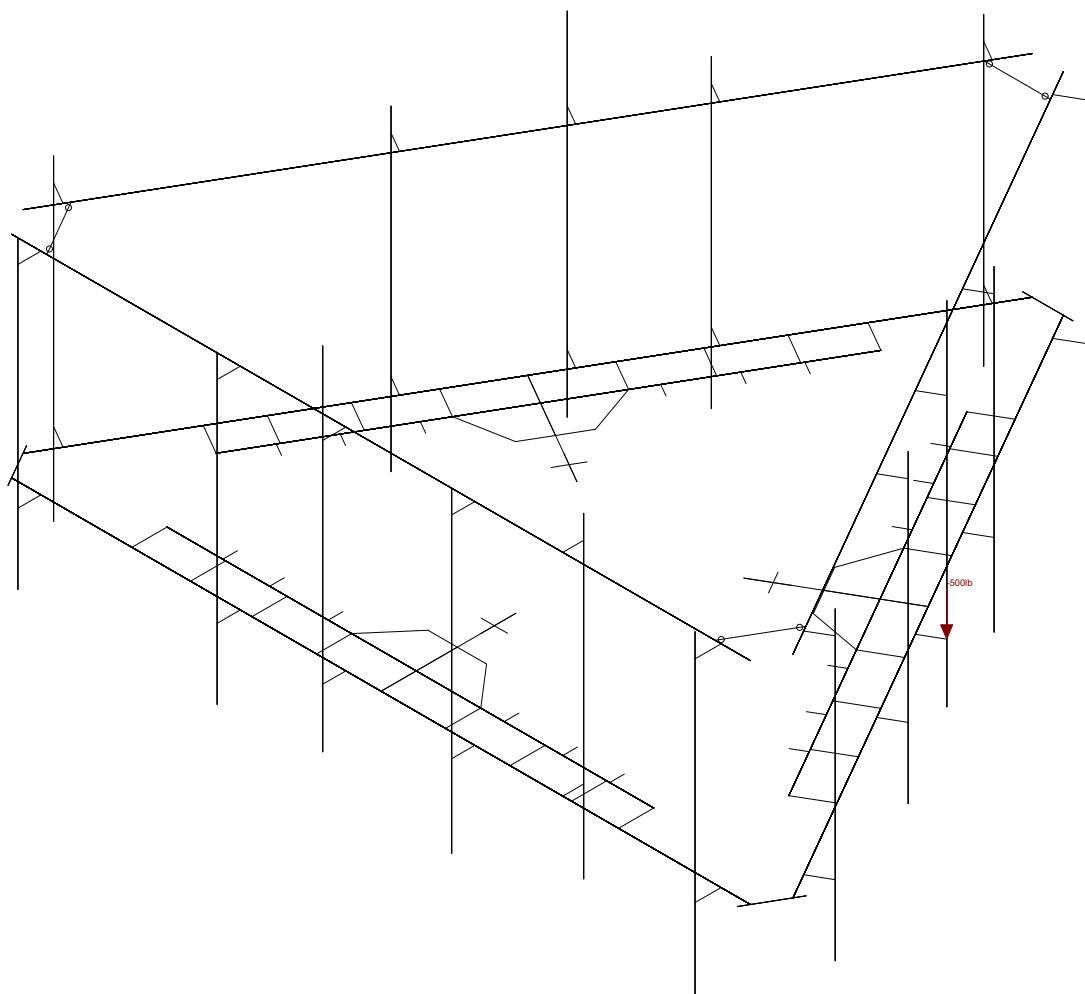
Loads: BLC 39, Maintenance Load 6

Infinigy Engineering, PLLC	Plymouth CT 3, CT	Maintenance Load 6
PSM		July 2, 2020 at 10:47 AM
1009-Z0003-B		302501_loaded.r3d



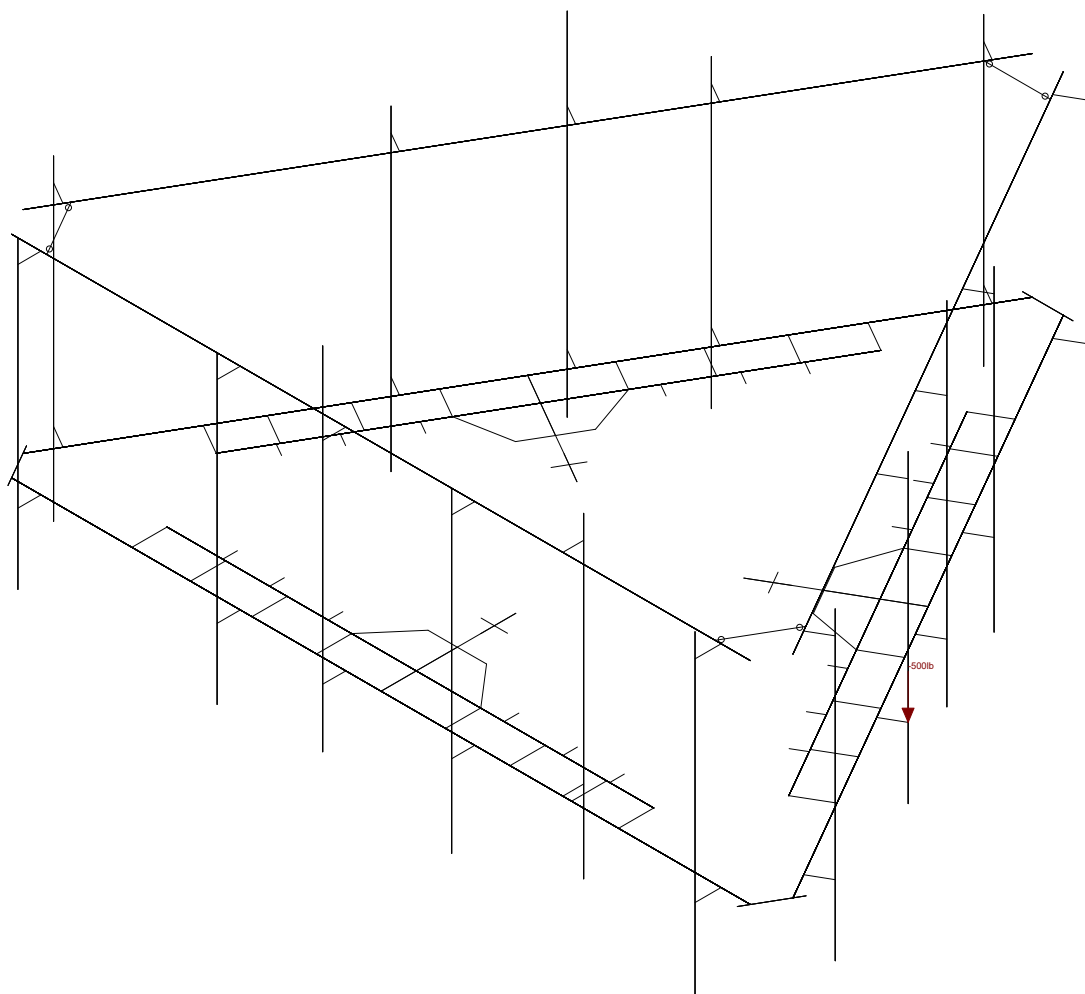
Loads: BLC 40, Maintenance Load 7

Infinigy Engineering, PLLC	Plymouth CT 3, CT	Maintenance Load 7
PSM		July 2, 2020 at 10:47 AM
1009-Z0003-B		302501_loaded.r3d



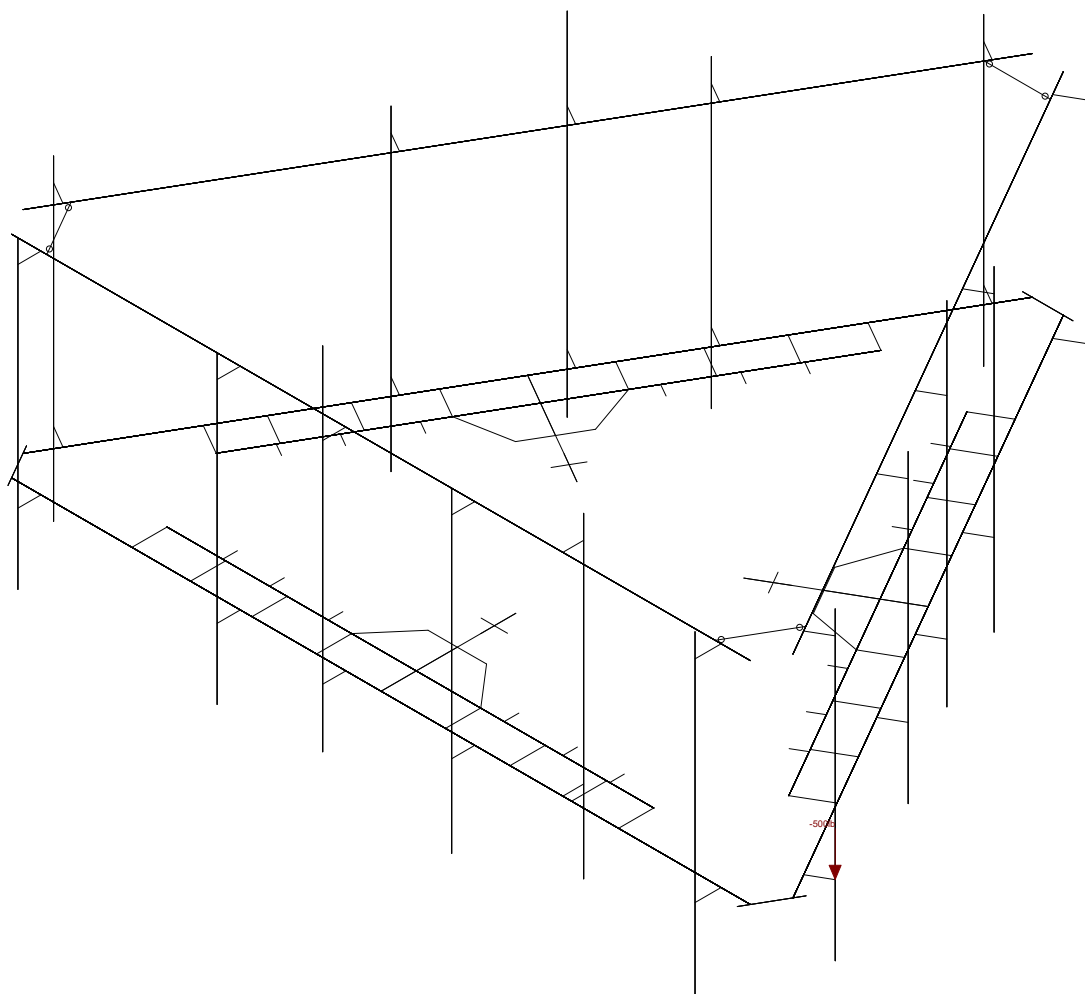
Loads: BLC 41, Maintenance Load 8

Infinigy Engineering, PLLC	Plymouth CT 3, CT	Maintenance Load 8
PSM		July 2, 2020 at 10:47 AM
1009-Z0003-B		302501_loaded.r3d



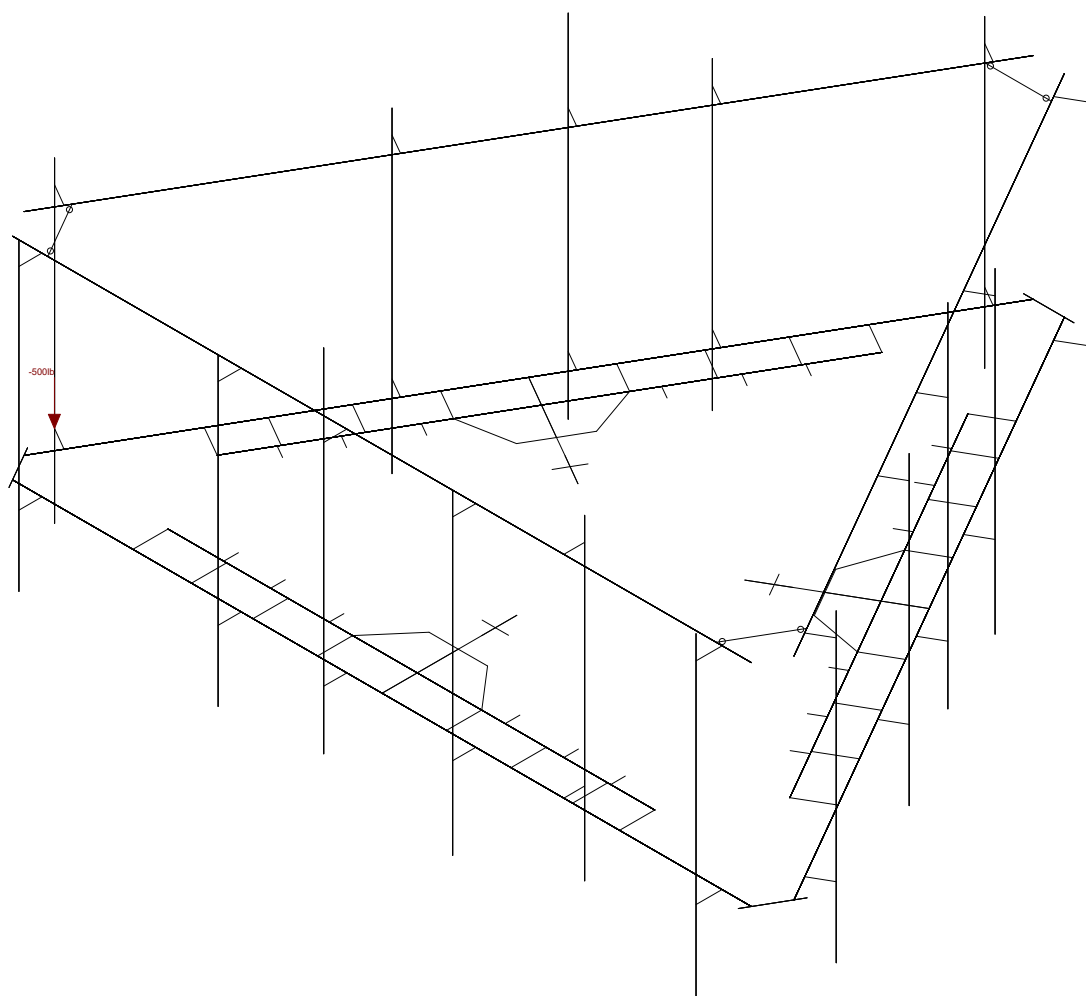
Loads: BLC 42, Maintenance Load 9

Infinigy Engineering, PLLC	Plymouth CT 3, CT	Maintenance Load 9
PSM		July 2, 2020 at 10:47 AM
1009-Z0003-B		302501_loaded.r3d



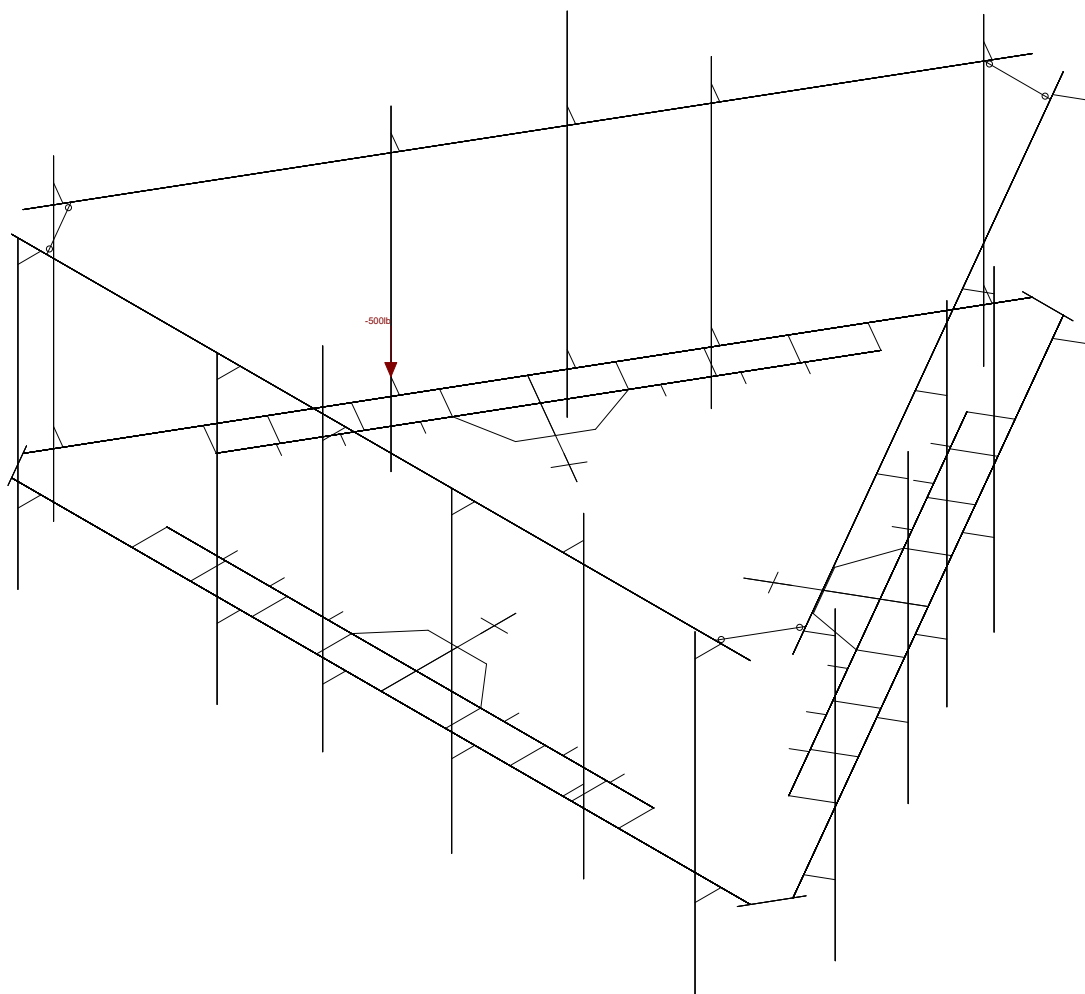
Loads: BLC 43, Maintenance Load 10

Infinigy Engineering, PLLC	Plymouth CT 3, CT	Maintenance Load 10
PSM		July 2, 2020 at 10:47 AM
1009-Z0003-B		302501_loaded.r3d



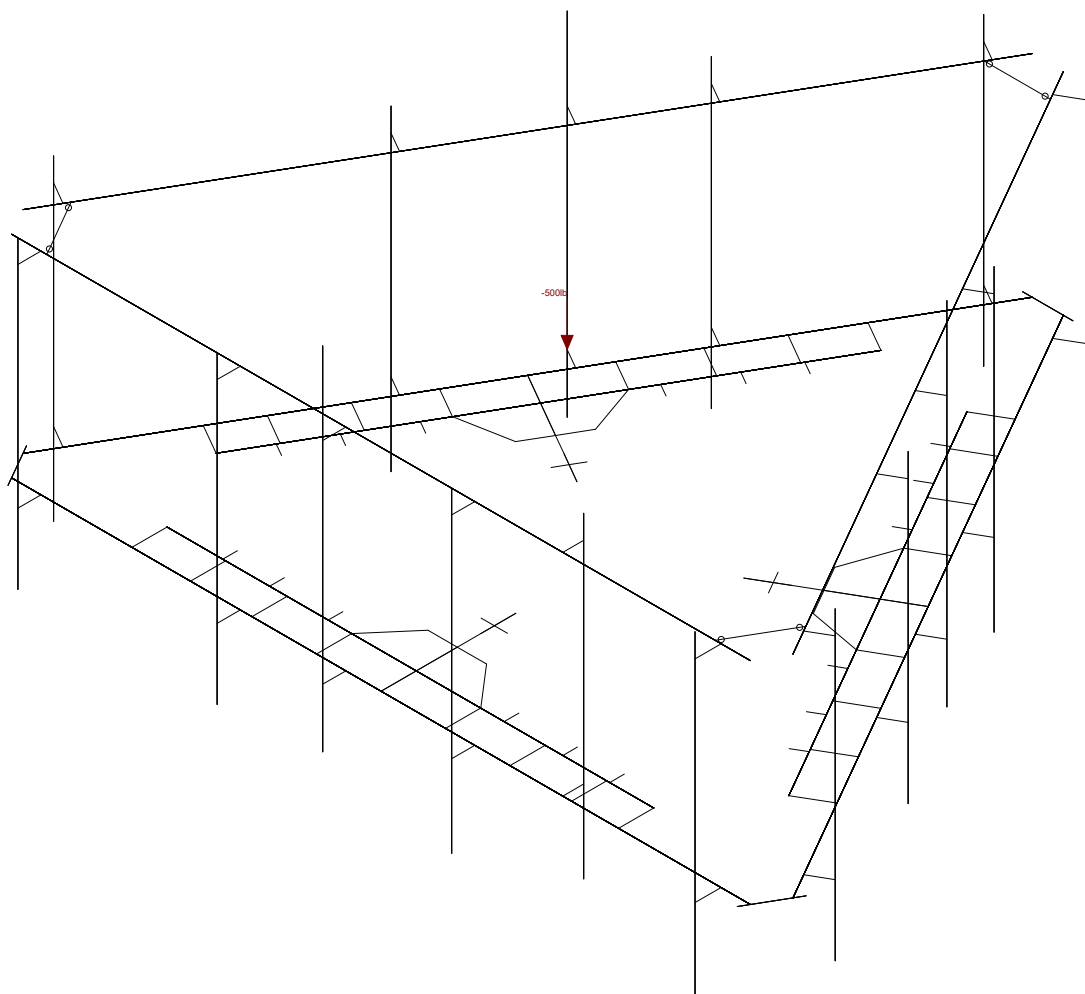
Loads: BLC 44, Maintenance Load 11

Infinigy Engineering, PLLC	Plymouth CT 3, CT	Maintenance Load 11
PSM		July 2, 2020 at 10:48 AM
1009-Z0003-B		302501_loaded.r3d



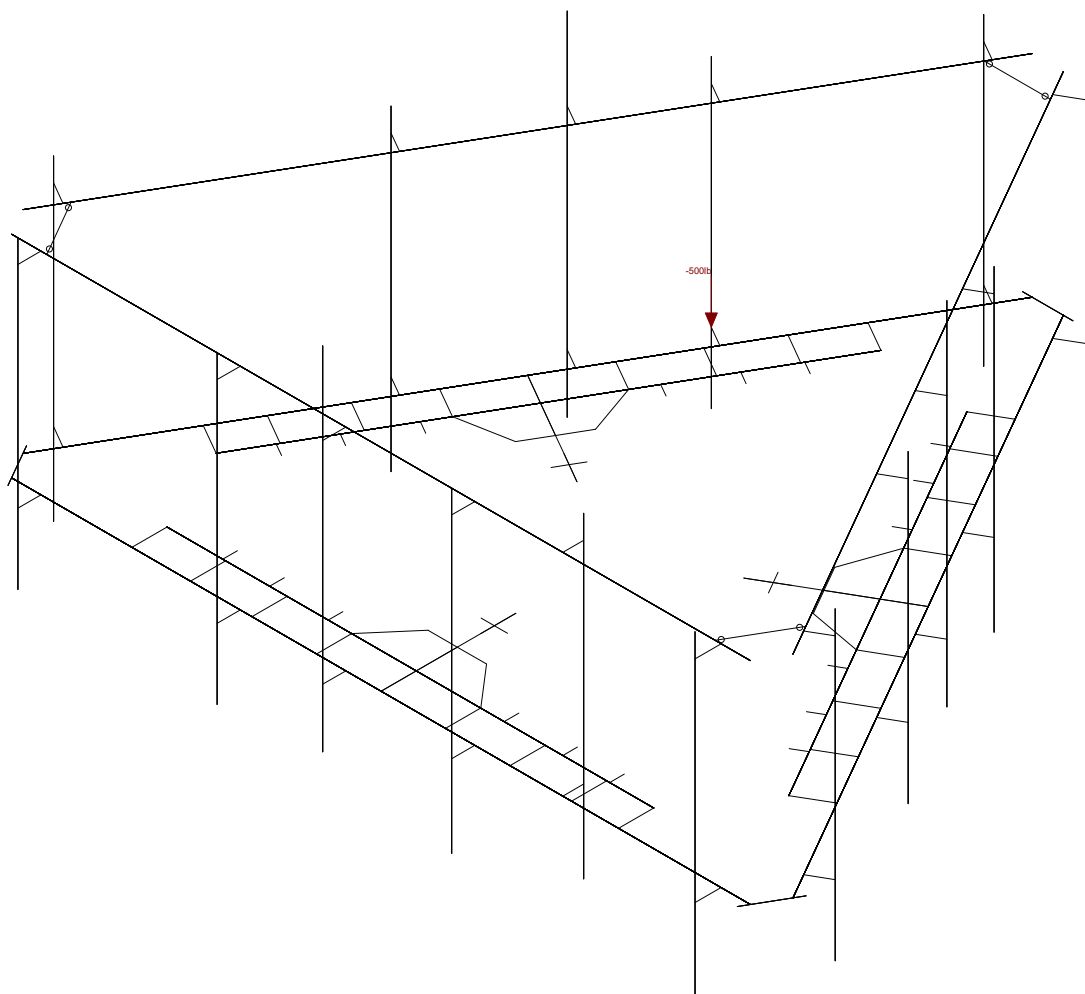
Loads: BLC 45, Maintenance Load 12

Infinigy Engineering, PLLC	Plymouth CT 3, CT	Maintenance Load 12
PSM		July 2, 2020 at 10:49 AM
1009-Z0003-B		302501_loaded.r3d



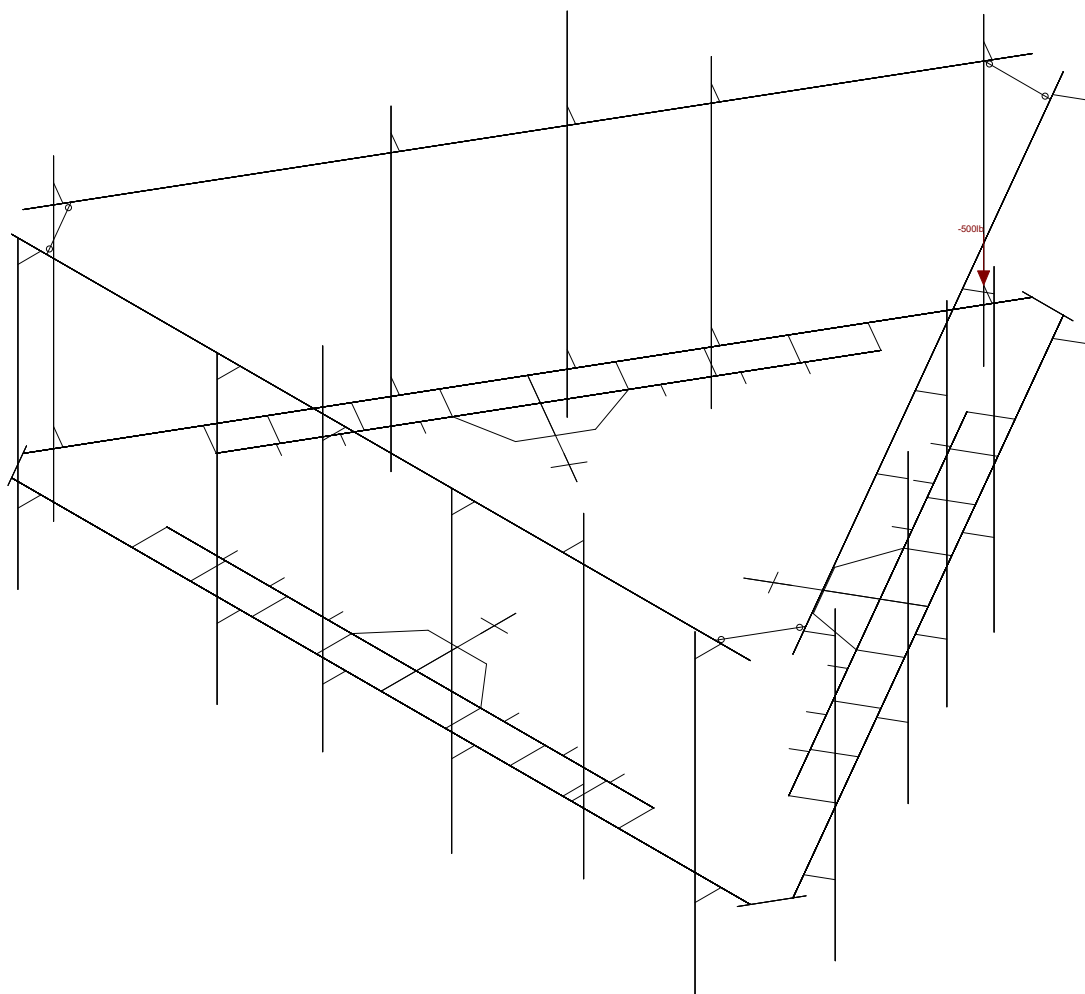
Loads: BLC 46, Maintenance Load 13

Infinigy Engineering, PLLC	Plymouth CT 3, CT	Maintenance Load 13
PSM		July 2, 2020 at 10:49 AM
1009-Z0003-B		302501_loaded.r3d



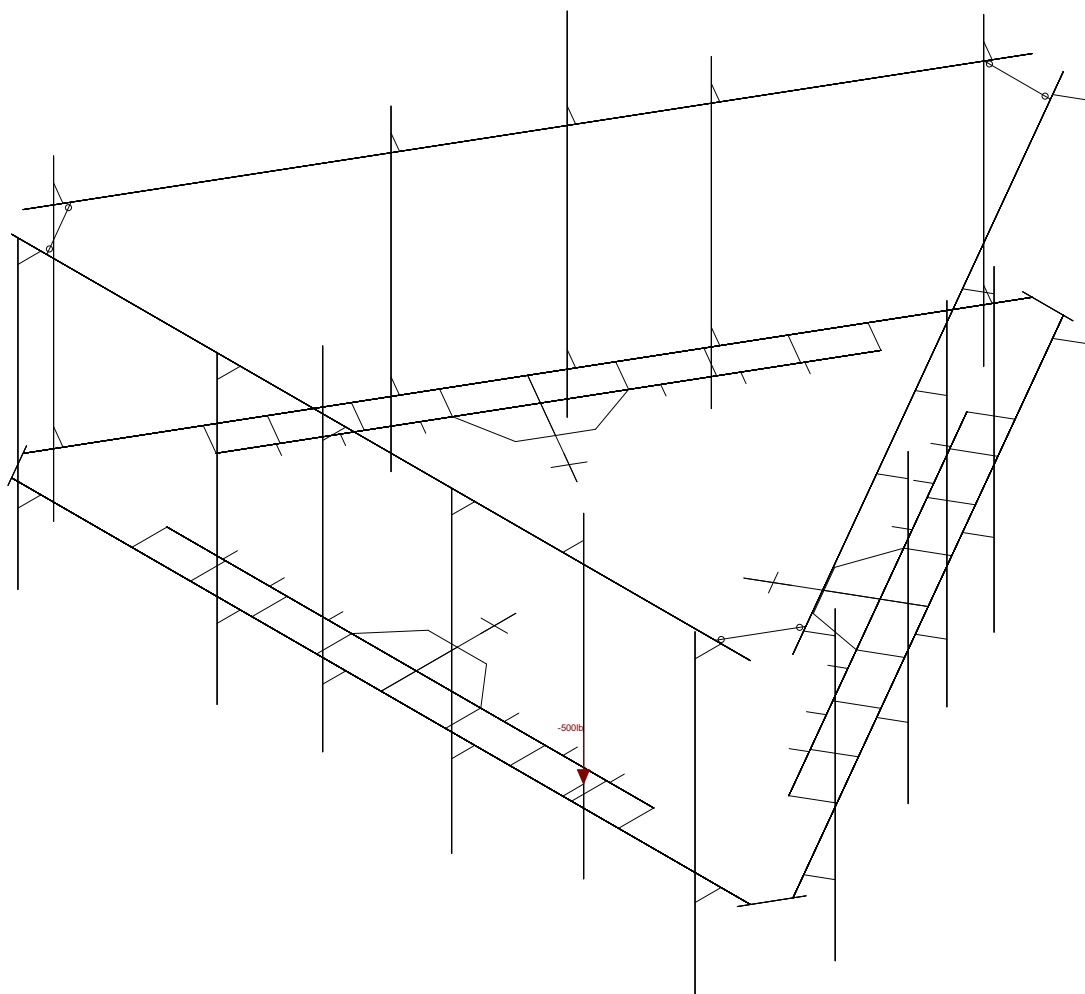
Loads: BLC 47, Maintenance Load 14

Infinigy Engineering, PLLC	Plymouth CT 3, CT	Maintenance Load 14
PSM		July 2, 2020 at 10:49 AM
1009-Z0003-B		302501_loaded.r3d



Loads: BLC 48, Maintenance Load 15

Infinigy Engineering, PLLC	Plymouth CT 3, CT	Maintenance Load 15
PSM		July 2, 2020 at 10:50 AM
1009-Z0003-B		302501_loaded.r3d



Loads: BLC 49, Maintenance Load 16

Infinigy Engineering, PLLC	Plymouth CT 3, CT	Maintenance Load 16
PSM		July 2, 2020 at 10:50 AM
1009-Z0003-B		302501_loaded.r3d

Program Inputs

PROJECT INFORMATION		
Client:	ATC	
Carrier:	AT&T Mobility	
Engineer:	Pradin Suinyal Magar, M.S	

SITE INFORMATION		
Risk Category:	II	
Exposure Category:	B	
Topo Factor Procedure:	Method 1, Category 1	
Site Class:	D - Stiff Soil	
Ground Elevation:	808	ft *Rev H

MOUNT INFORMATION		
Mount Type:	Platform	
Num Sectors:	3	
Centerline AGL:	185.0	ft
Tower Height AGL:	180.0	ft

TOPOGRAPHIC DATA		
Topo Feature:	N/A	
Slope Distance:	N/A	ft
Crest Distance:	N/A	ft
Crest Height:	N/A	ft

FACTORS		
Directionality Fact. (K_d):	0.95	
Ground Ele. Factor (K_e):	0.97	*Rev H Only
Rooftop Speed-Up (K_s):	1.00	*Rev H Only
Topographic Factor (K_{zt}):	1.00	
Gust Effect Factor (G_h):	1.0	

CODE STANDARDS		
Building Code:	IBC	
TIA Standard:	TIA-222-H	
ASCE Standard:	ASCE 7-16	

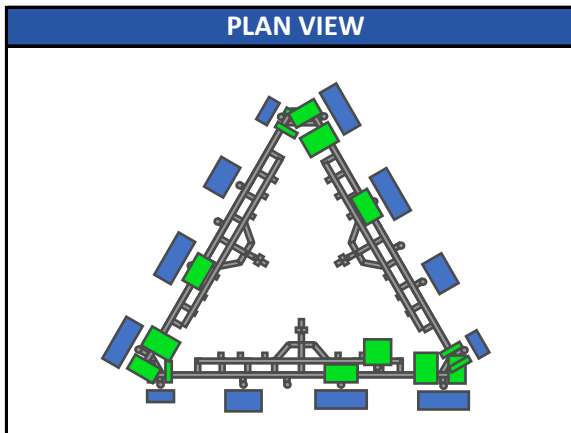
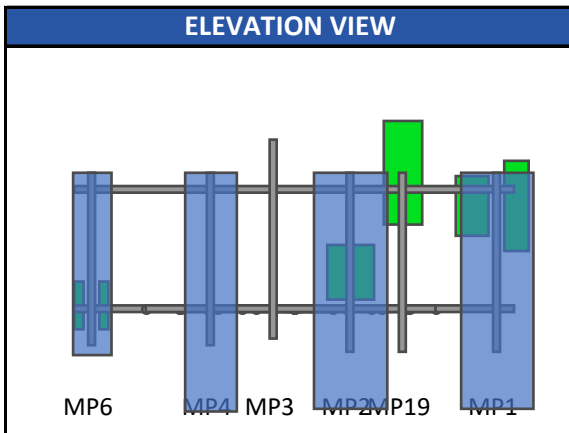
WIND AND ICE DATA		
Ultimate Wind (V_{ult}):	116	mph
Design Wind (V):	N/A	mph
Ice Wind (V_{ice}):	50	mph
Base Ice Thickness (t_i):	1	in
Flat Pressure:	74.89	psf
Round Pressure:	44.93	psf
Ice Wind Pressure:	8.35	psf

SEISMIC DATA		
Short-Period Accel. (S_s):	0.18	g
1-Second Accel. (S_1):	0.05	g
Short-Period Design (S_{DS}):	0.20	
1-Second Design (S_{D1}):	0.09	
Short-Period Coeff. (F_a):	1.60	
1-Second Coeff. (F_v):	2.40	
Amplification Factor (a_p):	1.00	
Response Mod. (R_p):	2.50	
Overstrength (Ω_o):	1.00	



Infinigy Load Calculator V2.1.4

Program Inputs

[illegible]

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(...	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N16	N28			3/4" Solid Rods	Beam	BAR	A36 Gr.36	Typical
2	M8	N21	N8			3/4" Solid Rods	Beam	BAR	A36 Gr.36	Typical
3	M9	N20	N7			3/4" Solid Rods	Beam	BAR	A36 Gr.36	Typical
4	M10	N19	N6			3/4" Solid Rods	Beam	BAR	A36 Gr.36	Typical
5	M11	N16	N5			3/4" Solid Rods	Beam	BAR	A36 Gr.36	Typical
6	S1	N9	N29			Large Arm	Beam	SquareTu...	A53 Gr.B	Typical
7	H1	N1	N2			Main Frame	Beam	Pipe	A53 Gr.B	Typical
8	M28	N54	N55		90	3/4" Plate	Beam	RECT	A36 Gr.36	Typical
9	M29	N60	N58			RIGID	None	None	RIGID	Typical
10	M30	N58	N59			RIGID	None	None	RIGID	Typical
11	H3	N61	N62			Main Frame	Beam	Pipe	A53 Gr.B	Typical
12	H2	N114	N115			Main Frame	Beam	Pipe	A53 Gr.B	Typical
13	P3	N154	N102			1/2" Plate	Beam	RECT	A36 Gr.36	Typical
14	P1	N101	N43			1/2" Plate	Beam	RECT	A36 Gr.36	Typical
15	P2	N155	N42			1/2" Plate	Beam	RECT	A36 Gr.36	Typical
16	M29A	N61A	N62A		90	3/4" Plate	Beam	RECT	A36 Gr.36	Typical
17	M30A	N63	N64		90	3/4" Plate	Beam	RECT	A36 Gr.36	Typical
18	M25A	N55A	N54A			3/4" Solid Rods	Beam	BAR	A36 Gr.36	Typical
19	M26	N57A	N56A			3/4" Solid Rods	Beam	BAR	A36 Gr.36	Typical
20	M27	N59B	N58A			3/4" Solid Rods	Beam	BAR	A36 Gr.36	Typical
21	M28A	N28	N60B			3/4" Solid Rods	Beam	BAR	A36 Gr.36	Typical
22	M27A	N57	N58B		90	3/4" Plate	Beam	RECT	A36 Gr.36	Typical
23	M28B	N59C	N60C		90	3/4" Plate	Beam	RECT	A36 Gr.36	Typical
24	M29B	N61B	N62B		90	3/4" Plate	Beam	RECT	A36 Gr.36	Typical
25	M30B	N21	N60A			1" Solid Rods	Beam	BAR	A36 Gr.36	Typical
26	M31	N60A	N29			1" Solid Rods	Beam	BAR	A36 Gr.36	Typical
27	M32	N29	N59A			1" Solid Rods	Beam	BAR	A36 Gr.36	Typical
28	M33	N59A	N55A			1" Solid Rods	Beam	BAR	A36 Gr.36	Typical
29	S2	N29	N63A			Small Arm	Beam	RECT	A53 Gr.B	Typical
30	S3	N64A	N63A			Large Arm	Beam	SquareTu...	A53 Gr.B	Typical
31	MP1	N65	N66			Pipe Mount	Beam	Pipe	A53 Gr.B	Typical
32	M38A	N45	N64B			RIGID	None	None	RIGID	Typical
33	MP2	N58C	N59D			Pipe Mount	Beam	Pipe	A53 Gr.B	Typical
34	M34A	N56	N57B			RIGID	None	None	RIGID	Typical
35	MP3	N62C	N63B			Pipe Mount	Beam	Pipe	A53 Gr.B	Typical
36	M36	N60D	N61C			RIGID	None	None	RIGID	Typical
37	MP4	N66A	N67			Pipe Mount	Beam	Pipe	A53 Gr.B	Typical
38	M38	N64C	N65A			RIGID	None	None	RIGID	Typical
39	MP6	N75	N76			Pipe Mount	Beam	Pipe	A53 Gr.B	Typical
40	M43	N73	N74			RIGID	None	None	RIGID	Typical
41	MP13	N80	N81			Pipe Mount	Beam	Pipe	A53 Gr.B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(...	Section/Shape	Type	Design List	Material	Design Rules
42	M45	N78	N79			RIGID	None	None	RIGID	Typical
43	MP14	N84	N85			Pipe Mount	Beam	Pipe	A53 Gr.B	Typical
44	M47	N82	N83			RIGID	None	None	RIGID	Typical
45	MP15	N88	N89			Pipe Mount	Beam	Pipe	A53 Gr.B	Typical
46	M49	N86	N87			RIGID	None	None	RIGID	Typical
47	MP16	N92	N93			Pipe Mount	Beam	Pipe	A53 Gr.B	Typical
48	M51	N90	N91			RIGID	None	None	RIGID	Typical
49	MP18	N101A	N102A			Pipe Mount	Beam	Pipe	A53 Gr.B	Typical
50	M56	N99	N100			RIGID	None	None	RIGID	Typical
51	MP7	N105	N106			Pipe Mount	Beam	Pipe	A53 Gr.B	Typical
52	M58	N103	N104			RIGID	None	None	RIGID	Typical
53	MP8	N109	N110			Pipe Mount	Beam	Pipe	A53 Gr.B	Typical
54	M60	N107	N108			RIGID	None	None	RIGID	Typical
55	MP9	N113	N114A			Pipe Mount	Beam	Pipe	A53 Gr.B	Typical
56	M62	N111	N112			RIGID	None	None	RIGID	Typical
57	MP10	N117	N118			Pipe Mount	Beam	Pipe	A53 Gr.B	Typical
58	M64	N115A	N116			RIGID	None	None	RIGID	Typical
59	MP12	N126	N127			Pipe Mount	Beam	Pipe	A53 Gr.B	Typical
60	M69	N124	N125			RIGID	None	None	RIGID	Typical
61	M70	N132	N137			3/4" Solid Rods	Beam	BAR	A36 Gr.36	Typical
62	M71	N135	N130			3/4" Solid Rods	Beam	BAR	A36 Gr.36	Typical
63	M72	N134	N129			3/4" Solid Rods	Beam	BAR	A36 Gr.36	Typical
64	M73	N133	N128			3/4" Solid Rods	Beam	BAR	A36 Gr.36	Typical
65	M74	N132	N127A			3/4" Solid Rods	Beam	BAR	A36 Gr.36	Typical
66	S4	N131	N138			Large Arm	Beam	SquareTu...	A53 Gr.B	Typical
67	M76	N140	N141		90	3/4" Plate	Beam	RECT	A36 Gr.36	Typical
68	M77	N144	N142			RIGID	None	None	RIGID	Typical
69	M78	N142	N143			RIGID	None	None	RIGID	Typical
70	M79	N147	N148		90	3/4" Plate	Beam	RECT	A36 Gr.36	Typical
71	M80	N149	N150		90	3/4" Plate	Beam	RECT	A36 Gr.36	Typical
72	M81	N152	N151			3/4" Solid Rods	Beam	BAR	A36 Gr.36	Typical
73	M82	N154A	N153			3/4" Solid Rods	Beam	BAR	A36 Gr.36	Typical
74	M83	N156	N155A			3/4" Solid Rods	Beam	BAR	A36 Gr.36	Typical
75	M84	N137	N157			3/4" Solid Rods	Beam	BAR	A36 Gr.36	Typical
76	M85	N158	N159		90	3/4" Plate	Beam	RECT	A36 Gr.36	Typical
77	M86	N160	N161		90	3/4" Plate	Beam	RECT	A36 Gr.36	Typical
78	M87	N162	N163		90	3/4" Plate	Beam	RECT	A36 Gr.36	Typical
79	M88A	N135	N146			1" Solid Rods	Beam	BAR	A36 Gr.36	Typical
80	M89	N146	N138			1" Solid Rods	Beam	BAR	A36 Gr.36	Typical
81	M90	N138	N145			1" Solid Rods	Beam	BAR	A36 Gr.36	Typical
82	M91	N145	N152			1" Solid Rods	Beam	BAR	A36 Gr.36	Typical
83	S5	N138	N164			Small Arm	Beam	RECT	A53 Gr.B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(...)	Section/Shape	Type	Design List	Material	Design Rules
84	S6	N165	N164			Large Arm	Beam	SquareTu...	A53 Gr.B	Typical
85	M94	N170	N175			3/4" Solid Rods	Beam	BAR	A36 Gr.36	Typical
86	M95A	N173	N168			3/4" Solid Rods	Beam	BAR	A36 Gr.36	Typical
87	M96A	N172	N167			3/4" Solid Rods	Beam	BAR	A36 Gr.36	Typical
88	M97A	N171	N166			3/4" Solid Rods	Beam	BAR	A36 Gr.36	Typical
89	M98	N170	N165A			3/4" Solid Rods	Beam	BAR	A36 Gr.36	Typical
90	S7	N169	N176			Large Arm	Beam	SquareTu...	A53 Gr.B	Typical
91	M100	N178	N179		90	3/4" Plate	Beam	RECT	A36 Gr.36	Typical
92	M101	N182	N180			RIGID	None	None	RIGID	Typical
93	M102	N180	N181			RIGID	None	None	RIGID	Typical
94	M103	N185	N186		90	3/4" Plate	Beam	RECT	A36 Gr.36	Typical
95	M104	N187	N188		90	3/4" Plate	Beam	RECT	A36 Gr.36	Typical
96	M105	N190	N189			3/4" Solid Rods	Beam	BAR	A36 Gr.36	Typical
97	M106	N192	N191			3/4" Solid Rods	Beam	BAR	A36 Gr.36	Typical
98	M107	N194	N193			3/4" Solid Rods	Beam	BAR	A36 Gr.36	Typical
99	M108	N175	N195			3/4" Solid Rods	Beam	BAR	A36 Gr.36	Typical
100	M109	N196	N197		90	3/4" Plate	Beam	RECT	A36 Gr.36	Typical
101	M110	N198	N199		90	3/4" Plate	Beam	RECT	A36 Gr.36	Typical
102	M111	N200	N201		90	3/4" Plate	Beam	RECT	A36 Gr.36	Typical
103	M112	N173	N184			1" Solid Rods	Beam	BAR	A36 Gr.36	Typical
104	M113	N184	N176			1" Solid Rods	Beam	BAR	A36 Gr.36	Typical
105	M114	N176	N183			1" Solid Rods	Beam	BAR	A36 Gr.36	Typical
106	M115	N183	N190			1" Solid Rods	Beam	BAR	A36 Gr.36	Typical
107	S8	N176	N202			Small Arm	Beam	RECT	A53 Gr.B	Typical
108	S9	N203	N202			Large Arm	Beam	SquareTu...	A53 Gr.B	Typical
109	HR1	N203A	N204			Handarail Pipe	Beam	Pipe	A53 Gr.B	Typical
110	HR3	N206	N207			Handarail Pipe	Beam	Pipe	A53 Gr.B	Typical
111	HR2	N208	N209			Handarail Pipe	Beam	Pipe	A53 Gr.B	Typical
112	M121	N205	N210			RIGID	None	None	RIGID	Typical
113	M122	N211	N212			RIGID	None	None	RIGID	Typical
114	M123	N213	N214			RIGID	None	None	RIGID	Typical
115	M124	N215	N216			RIGID	None	None	RIGID	Typical
116	M125	N217	N218			RIGID	None	None	RIGID	Typical
117	M126	N219	N220			RIGID	None	None	RIGID	Typical
118	M127	N221	N222			RIGID	None	None	RIGID	Typical
119	M128	N223	N224			RIGID	None	None	RIGID	Typical
120	M129	N225	N226			RIGID	None	None	RIGID	Typical
121	M130	N227	N228			RIGID	None	None	RIGID	Typical
122	M131	N229	N230			RIGID	None	None	RIGID	Typical
123	M132	N231	N232			RIGID	None	None	RIGID	Typical
124	M133	N233	N234			RIGID	None	None	RIGID	Typical
125	M134	N235	N236			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(...)	Section/Shape	Type	Design List	Material	Design Rules
126	M135	N237	N238			RIGID	None	None	RIGID	Typical
127	P4	N239	N246		180	HR Plate	Beam	Pipe	A36 Gr.36	Typical
128	P5	N245	N244		180	HR Plate	Beam	Pipe	A36 Gr.36	Typical
129	P6	N240	N243		90	HR Plate	Beam	Pipe	A36 Gr.36	Typical
130	MP19	N247	N248			Pipe Mount	Beam	Pipe	A53 Gr.B	Typical
131	M140	N245A	N246A			RIGID	None	None	RIGID	Typical
132	M141	N249	N250			RIGID	None	None	RIGID	Typical

Material Takeoff

	Material	Size	Pieces	Length[in]	Weight[LB]
1	General				
2	RIGID		38	142.1	0
3	Total General		38	142.1	0
4					
5	Hot Rolled Steel				
6	A36 Gr.36	10x1/2"	3	25.8	36.563
7	A36 Gr.36	3"x3/4" Plate	18	45	28.706
8	A36 Gr.36	L2.5x2.5x3	3	33.9	8.661
9	A36 Gr.36	SR 1" Bar	12	85.3	19.001
10	A36 Gr.36	SR 3/4	27	393	49.234
11	A53 Gr.B	HSS4X4X4	3	12	11.467
12	A53 Gr.B	HSS5X5X6	6	57	99.889
13	A53 Gr.B	PIPE 2.0	19	1248	360.966
14	A53 Gr.B	PIPE 4.0	3	378	317.273
15	Total HR Steel		94	2278	931.76

Basic Load Cases

	BLC Description	Category	X Gr...	Y Gr...	Z Gr...	Joint	Point	Distributed	Area(Memb...	Surface(Plate/Wall)
1	Self Weight	DL		-1			39		3	
2	Wind Load AZI 0	WLZ					78			
3	Wind Load AZI 30	None					78			
4	Wind Load AZI 60	None					78			
5	Wind Load AZI 90	WLX					78			
6	Wind Load AZI 1...	None					78			
7	Wind Load AZI 1...	None					78			
8	Wind Load AZI 1...	None					78			
9	Wind Load AZI 2...	None					78			
10	Wind Load AZI 2...	None					78			
11	Wind Load AZI 2...	None					78			

Basic Load Cases (Continued)

	BLC Description	Category	X Gr...	Y Gr...	Z Gr...	Joint	Point	Distributed	Area(Memb...	Surface(Plate/Wall)
12	Wind Load AZI 3...	None					78			
13	Wind Load AZI 3...	None					78			
14	Distr. Wind Load Z	WLZ						132		
15	Distr. Wind Load X	WLX						132		
16	Ice Weight	OL1					39	132	3	
17	Ice Wind Load A...	OL2					78			
18	Ice Wind Load A...	None					78			
19	Ice Wind Load A...	None					78			
20	Ice Wind Load A...	OL3					78			
21	Ice Wind Load A...	None					78			
22	Ice Wind Load A...	None					78			
23	Ice Wind Load A...	None					78			
24	Ice Wind Load A...	None					78			
25	Ice Wind Load A...	None					78			
26	Ice Wind Load A...	None					78			
27	Ice Wind Load A...	None					78			
28	Ice Wind Load A...	None					78			
29	Distr. Ice Wind L...	OL2						132		
30	Distr. Ice Wind L...	OL3						132		
31	Seismic Load Z	ELZ			-.098		39			
32	Seismic Load X	ELX	-.098				39			
33	Service Live Loa...	LL				3				
34	Maintenance Loa...	LL				1				
35	Maintenance Loa...	LL				1				
36	Maintenance Loa...	LL				1				
37	Maintenance Loa...	LL				1				
38	Maintenance Loa...	LL				1				
39	Maintenance Loa...	LL				1				
40	Maintenance Loa...	LL				1				
41	Maintenance Loa...	LL				1				
42	Maintenance Loa...	LL				1				
43	Maintenance Loa...	LL				1				
44	Maintenance Loa...	LL				1				
45	Maintenance Loa...	LL				1				
46	Maintenance Loa...	LL				1				
47	Maintenance Loa...	LL				1				
48	Maintenance Loa...	LL				1				
49	Maintenance Loa...	LL				1				
50	BLC 1 Transient ...	None						12		
51	BLC 16 Transien...	None						12		

Load Combinations

	Description	S...	P...	S...	BLC	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...
1	1.4DL	Y...	Y		1	1.4													
2	1.2DL + 1WL AZI 0	Y...	Y		1	1.2	2	1	14	1	15								
3	1.2DL + 1WL AZI 30	Y...	Y		1	1.2	3	1	14	.866	15	.5							
4	1.2DL + 1WL AZI 60	Y...	Y		1	1.2	4	1	14	.5	15	.866							
5	1.2DL + 1WL AZI 90	Y...	Y		1	1.2	5	1	14		15	1							
6	1.2DL + 1WL AZI 120	Y...	Y		1	1.2	6	1	14	-.5	15	.866							
7	1.2DL + 1WL AZI 150	Y...	Y		1	1.2	7	1	14	-.8...	15	.5							
8	1.2DL + 1WL AZI 180	Y...	Y		1	1.2	8	1	14	-1	15								
9	1.2DL + 1WL AZI 210	Y...	Y		1	1.2	9	1	14	-.8...	15	-.5							
10	1.2DL + 1WL AZI 240	Y...	Y		1	1.2	10	1	14	-.5	15	-.8...							
11	1.2DL + 1WL AZI 270	Y...	Y		1	1.2	11	1	14		15	-1							
12	1.2DL + 1WL AZI 300	Y...	Y		1	1.2	12	1	14	.5	15	-.8...							
13	1.2DL + 1WL AZI 330	Y...	Y		1	1.2	13	1	14	.866	15	-.5							
14	0.9DL + 1WL AZI 0	Y...	Y		1	.9	2	1	14	1	15								
15	0.9DL + 1WL AZI 30	Y...	Y		1	.9	3	1	14	.866	15	.5							
16	0.9DL + 1WL AZI 60	Y...	Y		1	.9	4	1	14	.5	15	.866							
17	0.9DL + 1WL AZI 90	Y...	Y		1	.9	5	1	14		15	1							
18	0.9DL + 1WL AZI 120	Y...	Y		1	.9	6	1	14	-.5	15	.866							
19	0.9DL + 1WL AZI 150	Y...	Y		1	.9	7	1	14	-.8...	15	.5							
20	0.9DL + 1WL AZI 180	Y...	Y		1	.9	8	1	14	-1	15								
21	0.9DL + 1WL AZI 210	Y...	Y		1	.9	9	1	14	-.8...	15	-.5							
22	0.9DL + 1WL AZI 240	Y...	Y		1	.9	10	1	14	-.5	15	-.8...							
23	0.9DL + 1WL AZI 270	Y...	Y		1	.9	11	1	14		15	-1							
24	0.9DL + 1WL AZI 300	Y...	Y		1	.9	12	1	14	.5	15	-.8...							
25	0.9DL + 1WL AZI 330	Y...	Y		1	.9	13	1	14	.866	15	-.5							
26	1.2D + 1.0Di	Y...	Y		1	1.2	16	1											
27	1.2D + 1.0Di + 1.0Wi AZI 0	Y...	Y		1	1.2	16	1	17	1	29	1	30						
28	1.2D + 1.0Di + 1.0Wi AZI 30	Y...	Y		1	1.2	16	1	18	1	29	.866	30	.5					
29	1.2D + 1.0Di + 1.0Wi AZI 60	Y...	Y		1	1.2	16	1	19	1	29	.5	30	.866					
30	1.2D + 1.0Di + 1.0Wi AZI 90	Y...	Y		1	1.2	16	1	20	1	29		30	1					
31	1.2D + 1.0Di + 1.0Wi AZI ...	Y...	Y		1	1.2	16	1	21	1	29	-.5	30	.866					
32	1.2D + 1.0Di + 1.0Wi AZI ...	Y...	Y		1	1.2	16	1	22	1	29	-.8...	30	.5					
33	1.2D + 1.0Di + 1.0Wi AZI ...	Y...	Y		1	1.2	16	1	23	1	29	-1	30						
34	1.2D + 1.0Di + 1.0Wi AZI ...	Y...	Y		1	1.2	16	1	24	1	29	-.8...	30	-.5					
35	1.2D + 1.0Di + 1.0Wi AZI ...	Y...	Y		1	1.2	16	1	25	1	29	-.5	30	-.8...					
36	1.2D + 1.0Di + 1.0Wi AZI ...	Y...	Y		1	1.2	16	1	26	1	29		30	-1					
37	1.2D + 1.0Di + 1.0Wi AZI ...	Y...	Y		1	1.2	16	1	27	1	29	.5	30	-.8...					
38	1.2D + 1.0Di + 1.0Wi AZI ...	Y...	Y		1	1.2	16	1	28	1	29	.866	30	-.5					
39	(1.2 + 0.2Sds)DL + 1.0E ...	Y...	Y		1	1.2...	.31	1	32										
40	(1.2 + 0.2Sds)DL + 1.0E ...	Y...	Y		1	1.2...	.31	.866	32	.5									
41	(1.2 + 0.2Sds)DL + 1.0E ...	Y...	Y		1	1.2...	.31	.5	32	.866									

Load Combinations (Continued)

	Description	S...	P...	S...	BLC	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...
42	(1.2 + 0.2Sds)DL + 1.0E ...	Y...	Y		1	1.2...	.31		32	1									
43	(1.2 + 0.2Sds)DL + 1.0E ...	Y...	Y		1	1.2...	.31		32	.866									
44	(1.2 + 0.2Sds)DL + 1.0E ...	Y...	Y		1	1.2...	.31		32	.5									
45	(1.2 + 0.2Sds)DL + 1.0E ...	Y...	Y		1	1.2...	.31		32										
46	(1.2 + 0.2Sds)DL + 1.0E ...	Y...	Y		1	1.2...	.31		32	-.5									
47	(1.2 + 0.2Sds)DL + 1.0E ...	Y...	Y		1	1.2...	.31		32	-.8...									
48	(1.2 + 0.2Sds)DL + 1.0E ...	Y...	Y		1	1.2...	.31		32	-.1									
49	(1.2 + 0.2Sds)DL + 1.0E ...	Y...	Y		1	1.2...	.31		32	-.8...									
50	(1.2 + 0.2Sds)DL + 1.0E ...	Y...	Y		1	1.2...	.31		32	-.866									
51	(0.9 - 0.2Sds)DL + 1.0E A...	Y...	Y		1	.861	31		32										
52	(0.9 - 0.2Sds)DL + 1.0E A...	Y...	Y		1	.861	31		32	.5									
53	(0.9 - 0.2Sds)DL + 1.0E A...	Y...	Y		1	.861	31		32	.866									
54	(0.9 - 0.2Sds)DL + 1.0E A...	Y...	Y		1	.861	31		32	1									
55	(0.9 - 0.2Sds)DL + 1.0E A...	Y...	Y		1	.861	31		32	.866									
56	(0.9 - 0.2Sds)DL + 1.0E A...	Y...	Y		1	.861	31		32	.5									
57	(0.9 - 0.2Sds)DL + 1.0E A...	Y...	Y		1	.861	31		32										
58	(0.9 - 0.2Sds)DL + 1.0E A...	Y...	Y		1	.861	31		32	-.5									
59	(0.9 - 0.2Sds)DL + 1.0E A...	Y...	Y		1	.861	31		32	-.8...									
60	(0.9 - 0.2Sds)DL + 1.0E A...	Y...	Y		1	.861	31		32	-.1									
61	(0.9 - 0.2Sds)DL + 1.0E A...	Y...	Y		1	.861	31		32	-.8...									
62	(0.9 - 0.2Sds)DL + 1.0E A...	Y...	Y		1	.861	31		32	-.5									
63	1.0DL + 1.5LL + 1.0SWL ...	Y...	Y		1	1	2	.268	14	.268	15		33	1.5					
64	1.0DL + 1.5LL + 1.0SWL ...	Y...	Y		1	1	3	.268	14	.232	15	.134	33	1.5					
65	1.0DL + 1.5LL + 1.0SWL ...	Y...	Y		1	1	4	.268	14	.134	15	.232	33	1.5					
66	1.0DL + 1.5LL + 1.0SWL ...	Y...	Y		1	1	5	.268	14		15	.268	33	1.5					
67	1.0DL + 1.5LL + 1.0SWL ...	Y...	Y		1	1	6	.268	14	-.1...	15	.232	33	1.5					
68	1.0DL + 1.5LL + 1.0SWL ...	Y...	Y		1	1	7	.268	14	-.2...	15	.134	33	1.5					
69	1.0DL + 1.5LL + 1.0SWL ...	Y...	Y		1	1	8	.268	14	-.2...	15		33	1.5					
70	1.0DL + 1.5LL + 1.0SWL ...	Y...	Y		1	1	9	.268	14	-.2...	15	-.1...	33	1.5					
71	1.0DL + 1.5LL + 1.0SWL ...	Y...	Y		1	1	10	.268	14	-.1...	15	-.2...	33	1.5					
72	1.0DL + 1.5LL + 1.0SWL ...	Y...	Y		1	1	11	.268	14		15	-.2...	33	1.5					
73	1.0DL + 1.5LL + 1.0SWL ...	Y...	Y		1	1	12	.268	14	.134	15	-.2...	33	1.5					
74	1.0DL + 1.5LL + 1.0SWL ...	Y...	Y		1	1	13	.268	14	.232	15	-.1...	33	1.5					
75	1.2DL + 1.5LL	Y...	Y		1	1.2	33	1.5											
76	1.2DL + 1.5LM-MP1 + 1S...	Y...	Y		1	1.2	34	1.5	2	.067	14	.067	15						
77	1.2DL + 1.5LM-MP1 + 1S...	Y...	Y		1	1.2	34	1.5	3	.067	14	.058	15	.033					
78	1.2DL + 1.5LM-MP1 + 1S...	Y...	Y		1	1.2	34	1.5	4	.067	14	.033	15	.058					
79	1.2DL + 1.5LM-MP1 + 1S...	Y...	Y		1	1.2	34	1.5	5	.067	14		15	.067					
80	1.2DL + 1.5LM-MP1 + 1S...	Y...	Y		1	1.2	34	1.5	6	.067	14	-.0...	15	.058					
81	1.2DL + 1.5LM-MP1 + 1S...	Y...	Y		1	1.2	34	1.5	7	.067	14	-.0...	15	.033					
82	1.2DL + 1.5LM-MP1 + 1S...	Y...	Y		1	1.2	34	1.5	8	.067	14	-.0...	15						
83	1.2DL + 1.5LM-MP1 + 1S...	Y...	Y		1	1.2	34	1.5	9	.067	14	-.0...	15	-.0...					

Load Combinations (Continued)

	Description	S...	P...	S...	BLC	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...
84	1.2DL + 1.5LM-MP1 + 1S...	Y...	Y		1	1.2	34	1.5	10	.067	14	-.0...	15	-.0...					
85	1.2DL + 1.5LM-MP1 + 1S...	Y...	Y		1	1.2	34	1.5	11	.067	14		15	-.0...					
86	1.2DL + 1.5LM-MP1 + 1S...	Y...	Y		1	1.2	34	1.5	12	.067	14	.033	15	-.0...					
87	1.2DL + 1.5LM-MP1 + 1S...	Y...	Y		1	1.2	34	1.5	13	.067	14	.058	15	-.0...					
88	1.2DL + 1.5LM-MP2 + 1S...	Y...	Y		1	1.2	35	1.5	2	.067	14	.067	15						
89	1.2DL + 1.5LM-MP2 + 1S...	Y...	Y		1	1.2	35	1.5	3	.067	14	.058	15	.033					
90	1.2DL + 1.5LM-MP2 + 1S...	Y...	Y		1	1.2	35	1.5	4	.067	14	.033	15	.058					
91	1.2DL + 1.5LM-MP2 + 1S...	Y...	Y		1	1.2	35	1.5	5	.067	14		15	.067					
92	1.2DL + 1.5LM-MP2 + 1S...	Y...	Y		1	1.2	35	1.5	6	.067	14	-.0...	15	.058					
93	1.2DL + 1.5LM-MP2 + 1S...	Y...	Y		1	1.2	35	1.5	7	.067	14	-.0...	15	.033					
94	1.2DL + 1.5LM-MP2 + 1S...	Y...	Y		1	1.2	35	1.5	8	.067	14	-.0...	15						
95	1.2DL + 1.5LM-MP2 + 1S...	Y...	Y		1	1.2	35	1.5	9	.067	14	-.0...	15	-.0...					
96	1.2DL + 1.5LM-MP2 + 1S...	Y...	Y		1	1.2	35	1.5	10	.067	14	-.0...	15	-.0...					
97	1.2DL + 1.5LM-MP2 + 1S...	Y...	Y		1	1.2	35	1.5	11	.067	14		15	-.0...					
98	1.2DL + 1.5LM-MP2 + 1S...	Y...	Y		1	1.2	35	1.5	12	.067	14	.033	15	-.0...					
99	1.2DL + 1.5LM-MP2 + 1S...	Y...	Y		1	1.2	35	1.5	13	.067	14	.058	15	-.0...					
100	1.2DL + 1.5LM-MP3 + 1S...	Y...	Y		1	1.2	36	1.5	2	.067	14	.067	15						
101	1.2DL + 1.5LM-MP3 + 1S...	Y...	Y		1	1.2	36	1.5	3	.067	14	.058	15	.033					
102	1.2DL + 1.5LM-MP3 + 1S...	Y...	Y		1	1.2	36	1.5	4	.067	14	.033	15	.058					
103	1.2DL + 1.5LM-MP3 + 1S...	Y...	Y		1	1.2	36	1.5	5	.067	14		15	.067					
104	1.2DL + 1.5LM-MP3 + 1S...	Y...	Y		1	1.2	36	1.5	6	.067	14	-.0...	15	.058					
105	1.2DL + 1.5LM-MP3 + 1S...	Y...	Y		1	1.2	36	1.5	7	.067	14	-.0...	15	.033					
106	1.2DL + 1.5LM-MP3 + 1S...	Y...	Y		1	1.2	36	1.5	8	.067	14	-.0...	15						
107	1.2DL + 1.5LM-MP3 + 1S...	Y...	Y		1	1.2	36	1.5	9	.067	14	-.0...	15	-.0...					
108	1.2DL + 1.5LM-MP3 + 1S...	Y...	Y		1	1.2	36	1.5	10	.067	14	-.0...	15	-.0...					
109	1.2DL + 1.5LM-MP3 + 1S...	Y...	Y		1	1.2	36	1.5	11	.067	14		15	-.0...					
110	1.2DL + 1.5LM-MP3 + 1S...	Y...	Y		1	1.2	36	1.5	12	.067	14	.033	15	-.0...					
111	1.2DL + 1.5LM-MP3 + 1S...	Y...	Y		1	1.2	36	1.5	13	.067	14	.058	15	-.0...					
112	1.2DL + 1.5LM-MP4 + 1S...	Y...	Y		1	1.2	37	1.5	2	.067	14	.067	15						
113	1.2DL + 1.5LM-MP4 + 1S...	Y...	Y		1	1.2	37	1.5	3	.067	14	.058	15	.033					
114	1.2DL + 1.5LM-MP4 + 1S...	Y...	Y		1	1.2	37	1.5	4	.067	14	.033	15	.058					
115	1.2DL + 1.5LM-MP4 + 1S...	Y...	Y		1	1.2	37	1.5	5	.067	14		15	.067					
116	1.2DL + 1.5LM-MP4 + 1S...	Y...	Y		1	1.2	37	1.5	6	.067	14	-.0...	15	.058					
117	1.2DL + 1.5LM-MP4 + 1S...	Y...	Y		1	1.2	37	1.5	7	.067	14	-.0...	15	.033					
118	1.2DL + 1.5LM-MP4 + 1S...	Y...	Y		1	1.2	37	1.5	8	.067	14	-.0...	15						
119	1.2DL + 1.5LM-MP4 + 1S...	Y...	Y		1	1.2	37	1.5	9	.067	14	-.0...	15	-.0...					
120	1.2DL + 1.5LM-MP4 + 1S...	Y...	Y		1	1.2	37	1.5	10	.067	14	-.0...	15	-.0...					
121	1.2DL + 1.5LM-MP4 + 1S...	Y...	Y		1	1.2	37	1.5	11	.067	14		15	-.0...					
122	1.2DL + 1.5LM-MP4 + 1S...	Y...	Y		1	1.2	37	1.5	12	.067	14	.033	15	-.0...					
123	1.2DL + 1.5LM-MP4 + 1S...	Y...	Y		1	1.2	37	1.5	13	.067	14	.058	15	-.0...					
124	1.2DL + 1.5LM-MP5 + 1S...	Y...	Y		1	1.2	38	1.5	2	.067	14	.067	15						
125	1.2DL + 1.5LM-MP5 + 1S...	Y...	Y		1	1.2	38	1.5	3	.067	14	.058	15	.033					

Load Combinations (Continued)

	Description	S...	P...	S...	BLC	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...
126	1.2DL + 1.5LM-MP5 + 1S...	Y	Y		1	1.2	38	1.5	4	.067	14	.033	15	.058					
127	1.2DL + 1.5LM-MP5 + 1S...	Y	Y		1	1.2	38	1.5	5	.067	14		15	.067					
128	1.2DL + 1.5LM-MP5 + 1S...	Y	Y		1	1.2	38	1.5	6	.067	14	-.0...	15	.058					
129	1.2DL + 1.5LM-MP5 + 1S...	Y	Y		1	1.2	38	1.5	7	.067	14	-.0...	15	.033					
130	1.2DL + 1.5LM-MP5 + 1S...	Y	Y		1	1.2	38	1.5	8	.067	14	-.0...	15						
131	1.2DL + 1.5LM-MP5 + 1S...	Y	Y		1	1.2	38	1.5	9	.067	14	-.0...	15	-.0...					
132	1.2DL + 1.5LM-MP5 + 1S...	Y	Y		1	1.2	38	1.5	10	.067	14	-.0...	15	-.0...					
133	1.2DL + 1.5LM-MP5 + 1S...	Y	Y		1	1.2	38	1.5	11	.067	14		15	-.0...					
134	1.2DL + 1.5LM-MP5 + 1S...	Y	Y		1	1.2	38	1.5	12	.067	14	.033	15	-.0...					
135	1.2DL + 1.5LM-MP5 + 1S...	Y	Y		1	1.2	38	1.5	13	.067	14	.058	15	-.0...					
136	1.2DL + 1.5LM-MP6 + 1S...	Y	Y		1	1.2	39	1.5	2	.067	14	.067	15						
137	1.2DL + 1.5LM-MP6 + 1S...	Y	Y		1	1.2	39	1.5	3	.067	14	.058	15	.033					
138	1.2DL + 1.5LM-MP6 + 1S...	Y	Y		1	1.2	39	1.5	4	.067	14	.033	15	.058					
139	1.2DL + 1.5LM-MP6 + 1S...	Y	Y		1	1.2	39	1.5	5	.067	14		15	.067					
140	1.2DL + 1.5LM-MP6 + 1S...	Y	Y		1	1.2	39	1.5	6	.067	14	-.0...	15	.058					
141	1.2DL + 1.5LM-MP6 + 1S...	Y	Y		1	1.2	39	1.5	7	.067	14	-.0...	15	.033					
142	1.2DL + 1.5LM-MP6 + 1S...	Y	Y		1	1.2	39	1.5	8	.067	14	-.0...	15						
143	1.2DL + 1.5LM-MP6 + 1S...	Y	Y		1	1.2	39	1.5	9	.067	14	-.0...	15	-.0...					
144	1.2DL + 1.5LM-MP6 + 1S...	Y	Y		1	1.2	39	1.5	10	.067	14	-.0...	15	-.0...					
145	1.2DL + 1.5LM-MP6 + 1S...	Y	Y		1	1.2	39	1.5	11	.067	14		15	-.0...					
146	1.2DL + 1.5LM-MP6 + 1S...	Y	Y		1	1.2	39	1.5	12	.067	14	.033	15	-.0...					
147	1.2DL + 1.5LM-MP6 + 1S...	Y	Y		1	1.2	39	1.5	13	.067	14	.058	15	-.0...					
148	1.2DL + 1.5LM-MP7 + 1S...	Y	Y		1	1.2	40	1.5	2	.067	14	.067	15						
149	1.2DL + 1.5LM-MP7 + 1S...	Y	Y		1	1.2	40	1.5	3	.067	14	.058	15	.033					
150	1.2DL + 1.5LM-MP7 + 1S...	Y	Y		1	1.2	40	1.5	4	.067	14	.033	15	.058					
151	1.2DL + 1.5LM-MP7 + 1S...	Y	Y		1	1.2	40	1.5	5	.067	14		15	.067					
152	1.2DL + 1.5LM-MP7 + 1S...	Y	Y		1	1.2	40	1.5	6	.067	14	-.0...	15	.058					
153	1.2DL + 1.5LM-MP7 + 1S...	Y	Y		1	1.2	40	1.5	7	.067	14	-.0...	15	.033					
154	1.2DL + 1.5LM-MP7 + 1S...	Y	Y		1	1.2	40	1.5	8	.067	14	-.0...	15						
155	1.2DL + 1.5LM-MP7 + 1S...	Y	Y		1	1.2	40	1.5	9	.067	14	-.0...	15	-.0...					
156	1.2DL + 1.5LM-MP7 + 1S...	Y	Y		1	1.2	40	1.5	10	.067	14	-.0...	15	-.0...					
157	1.2DL + 1.5LM-MP7 + 1S...	Y	Y		1	1.2	40	1.5	11	.067	14		15	-.0...					
158	1.2DL + 1.5LM-MP7 + 1S...	Y	Y		1	1.2	40	1.5	12	.067	14	.033	15	-.0...					
159	1.2DL + 1.5LM-MP7 + 1S...	Y	Y		1	1.2	40	1.5	13	.067	14	.058	15	-.0...					
160	1.2DL + 1.5LM-MP8 + 1S...	Y	Y		1	1.2	41	1.5	2	.067	14	.067	15						
161	1.2DL + 1.5LM-MP8 + 1S...	Y	Y		1	1.2	41	1.5	3	.067	14	.058	15	.033					
162	1.2DL + 1.5LM-MP8 + 1S...	Y	Y		1	1.2	41	1.5	4	.067	14	.033	15	.058					
163	1.2DL + 1.5LM-MP8 + 1S...	Y	Y		1	1.2	41	1.5	5	.067	14		15	.067					
164	1.2DL + 1.5LM-MP8 + 1S...	Y	Y		1	1.2	41	1.5	6	.067	14	-.0...	15	.058					
165	1.2DL + 1.5LM-MP8 + 1S...	Y	Y		1	1.2	41	1.5	7	.067	14	-.0...	15	.033					
166	1.2DL + 1.5LM-MP8 + 1S...	Y	Y		1	1.2	41	1.5	8	.067	14	-.0...	15						
167	1.2DL + 1.5LM-MP8 + 1S...	Y	Y		1	1.2	41	1.5	9	.067	14	-.0...	15	-.0...					

Load Combinations (Continued)

	Description	S...	P...	S...	BLC	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...
168	1.2DL + 1.5LM-MP8 + 1S...	Y...	Y		1	1.2	41	1.5	10	.067	14	-.0...	15	-.0...							
169	1.2DL + 1.5LM-MP8 + 1S...	Y...	Y		1	1.2	41	1.5	11	.067	14		15	-.0...							
170	1.2DL + 1.5LM-MP8 + 1S...	Y...	Y		1	1.2	41	1.5	12	.067	14	.033	15	-.0...							
171	1.2DL + 1.5LM-MP8 + 1S...	Y...	Y		1	1.2	41	1.5	13	.067	14	.058	15	-.0...							
172	1.2DL + 1.5LM-MP9 + 1S...	Y...	Y		1	1.2	42	1.5	2	.067	14	.067	15								
173	1.2DL + 1.5LM-MP9 + 1S...	Y...	Y		1	1.2	42	1.5	3	.067	14	.058	15	.033							
174	1.2DL + 1.5LM-MP9 + 1S...	Y...	Y		1	1.2	42	1.5	4	.067	14	.033	15	.058							
175	1.2DL + 1.5LM-MP9 + 1S...	Y...	Y		1	1.2	42	1.5	5	.067	14		15	.067							
176	1.2DL + 1.5LM-MP9 + 1S...	Y...	Y		1	1.2	42	1.5	6	.067	14	-.0...	15	.058							
177	1.2DL + 1.5LM-MP9 + 1S...	Y...	Y		1	1.2	42	1.5	7	.067	14	-.0...	15	.033							
178	1.2DL + 1.5LM-MP9 + 1S...	Y...	Y		1	1.2	42	1.5	8	.067	14	-.0...	15								
179	1.2DL + 1.5LM-MP9 + 1S...	Y...	Y		1	1.2	42	1.5	9	.067	14	-.0...	15	-.0...							
180	1.2DL + 1.5LM-MP9 + 1S...	Y...	Y		1	1.2	42	1.5	10	.067	14	-.0...	15	-.0...							
181	1.2DL + 1.5LM-MP9 + 1S...	Y...	Y		1	1.2	42	1.5	11	.067	14		15	-.0...							
182	1.2DL + 1.5LM-MP9 + 1S...	Y...	Y		1	1.2	42	1.5	12	.067	14	.033	15	-.0...							
183	1.2DL + 1.5LM-MP9 + 1S...	Y...	Y		1	1.2	42	1.5	13	.067	14	.058	15	-.0...							
184	1.2DL + 1.5LM-MP10 + 1...	Y...	Y		1	1.2	43	1.5	2	.067	14	.067	15								
185	1.2DL + 1.5LM-MP10 + 1...	Y...	Y		1	1.2	43	1.5	3	.067	14	.058	15	.033							
186	1.2DL + 1.5LM-MP10 + 1...	Y...	Y		1	1.2	43	1.5	4	.067	14	.033	15	.058							
187	1.2DL + 1.5LM-MP10 + 1...	Y...	Y		1	1.2	43	1.5	5	.067	14		15	.067							
188	1.2DL + 1.5LM-MP10 + 1...	Y...	Y		1	1.2	43	1.5	6	.067	14	-.0...	15	.058							
189	1.2DL + 1.5LM-MP10 + 1...	Y...	Y		1	1.2	43	1.5	7	.067	14	-.0...	15	.033							
190	1.2DL + 1.5LM-MP10 + 1...	Y...	Y		1	1.2	43	1.5	8	.067	14	-.0...	15								
191	1.2DL + 1.5LM-MP10 + 1...	Y...	Y		1	1.2	43	1.5	9	.067	14	-.0...	15	-.0...							
192	1.2DL + 1.5LM-MP10 + 1...	Y...	Y		1	1.2	43	1.5	10	.067	14	-.0...	15	-.0...							
193	1.2DL + 1.5LM-MP10 + 1...	Y...	Y		1	1.2	43	1.5	11	.067	14		15	-.0...							
194	1.2DL + 1.5LM-MP10 + 1...	Y...	Y		1	1.2	43	1.5	12	.067	14	.033	15	-.0...							
195	1.2DL + 1.5LM-MP10 + 1...	Y...	Y		1	1.2	43	1.5	13	.067	14	.058	15	-.0...							
196	1.2DL + 1.5LM-MP11 + 1...	Y...	Y		1	1.2	44	1.5	2	.067	14	.067	15								
197	1.2DL + 1.5LM-MP11 + 1...	Y...	Y		1	1.2	44	1.5	3	.067	14	.058	15	.033							
198	1.2DL + 1.5LM-MP11 + 1...	Y...	Y		1	1.2	44	1.5	4	.067	14	.033	15	.058							
199	1.2DL + 1.5LM-MP11 + 1...	Y...	Y		1	1.2	44	1.5	5	.067	14		15	.067							
200	1.2DL + 1.5LM-MP11 + 1...	Y...	Y		1	1.2	44	1.5	6	.067	14	-.0...	15	.058							
201	1.2DL + 1.5LM-MP11 + 1...	Y...	Y		1	1.2	44	1.5	7	.067	14	-.0...	15	.033							
202	1.2DL + 1.5LM-MP11 + 1...	Y...	Y		1	1.2	44	1.5	8	.067	14	-.0...	15								
203	1.2DL + 1.5LM-MP11 + 1...	Y...	Y		1	1.2	44	1.5	9	.067	14	-.0...	15	-.0...							
204	1.2DL + 1.5LM-MP11 + 1...	Y...	Y		1	1.2	44	1.5	10	.067	14	-.0...	15	-.0...							
205	1.2DL + 1.5LM-MP11 + 1...	Y...	Y		1	1.2	44	1.5	11	.067	14		15	-.0...							
206	1.2DL + 1.5LM-MP11 + 1...	Y...	Y		1	1.2	44	1.5	12	.067	14	.033	15	-.0...							
207	1.2DL + 1.5LM-MP11 + 1...	Y...	Y		1	1.2	44	1.5	13	.067	14	.058	15	-.0...							
208	1.2DL + 1.5LM-MP12 + 1...	Y...	Y		1	1.2	45	1.5	2	.067	14	.067	15								
209	1.2DL + 1.5LM-MP12 + 1...	Y...	Y		1	1.2	45	1.5	3	.067	14	.058	15	.033							

Load Combinations (Continued)

	Description	S...	P...	S...	BLC	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...
210	1.2DL + 1.5LM-MP12 + 1...	Y...	Y		1	1.2	45	1.5	4	.067	14	.033	15	.058					
211	1.2DL + 1.5LM-MP12 + 1...	Y...	Y		1	1.2	45	1.5	5	.067	14		15	.067					
212	1.2DL + 1.5LM-MP12 + 1...	Y...	Y		1	1.2	45	1.5	6	.067	14	-.0...	15	.058					
213	1.2DL + 1.5LM-MP12 + 1...	Y...	Y		1	1.2	45	1.5	7	.067	14	-.0...	15	.033					
214	1.2DL + 1.5LM-MP12 + 1...	Y...	Y		1	1.2	45	1.5	8	.067	14	-.0...	15						
215	1.2DL + 1.5LM-MP12 + 1...	Y...	Y		1	1.2	45	1.5	9	.067	14	-.0...	15	-.0...					
216	1.2DL + 1.5LM-MP12 + 1...	Y...	Y		1	1.2	45	1.5	10	.067	14	-.0...	15	-.0...					
217	1.2DL + 1.5LM-MP12 + 1...	Y...	Y		1	1.2	45	1.5	11	.067	14		15	-.0...					
218	1.2DL + 1.5LM-MP12 + 1...	Y...	Y		1	1.2	45	1.5	12	.067	14	.033	15	-.0...					
219	1.2DL + 1.5LM-MP12 + 1...	Y...	Y		1	1.2	45	1.5	13	.067	14	.058	15	-.0...					
220	1.2DL + 1.5LM-MP13 + 1...	Y...	Y		1	1.2	46	1.5	2	.067	14	.067	15						
221	1.2DL + 1.5LM-MP13 + 1...	Y...	Y		1	1.2	46	1.5	3	.067	14	.058	15	.033					
222	1.2DL + 1.5LM-MP13 + 1...	Y...	Y		1	1.2	46	1.5	4	.067	14	.033	15	.058					
223	1.2DL + 1.5LM-MP13 + 1...	Y...	Y		1	1.2	46	1.5	5	.067	14		15	.067					
224	1.2DL + 1.5LM-MP13 + 1...	Y...	Y		1	1.2	46	1.5	6	.067	14	-.0...	15	.058					
225	1.2DL + 1.5LM-MP13 + 1...	Y...	Y		1	1.2	46	1.5	7	.067	14	-.0...	15	.033					
226	1.2DL + 1.5LM-MP13 + 1...	Y...	Y		1	1.2	46	1.5	8	.067	14	-.0...	15						
227	1.2DL + 1.5LM-MP13 + 1...	Y...	Y		1	1.2	46	1.5	9	.067	14	-.0...	15	-.0...					
228	1.2DL + 1.5LM-MP13 + 1...	Y...	Y		1	1.2	46	1.5	10	.067	14	-.0...	15	-.0...					
229	1.2DL + 1.5LM-MP13 + 1...	Y...	Y		1	1.2	46	1.5	11	.067	14		15	-.0...					
230	1.2DL + 1.5LM-MP13 + 1...	Y...	Y		1	1.2	46	1.5	12	.067	14	.033	15	-.0...					
231	1.2DL + 1.5LM-MP13 + 1...	Y...	Y		1	1.2	46	1.5	13	.067	14	.058	15	-.0...					
232	1.2DL + 1.5LM-MP14 + 1...	Y...	Y		1	1.2	47	1.5	2	.067	14	.067	15						
233	1.2DL + 1.5LM-MP14 + 1...	Y...	Y		1	1.2	47	1.5	3	.067	14	.058	15	.033					
234	1.2DL + 1.5LM-MP14 + 1...	Y...	Y		1	1.2	47	1.5	4	.067	14	.033	15	.058					
235	1.2DL + 1.5LM-MP14 + 1...	Y...	Y		1	1.2	47	1.5	5	.067	14		15	.067					
236	1.2DL + 1.5LM-MP14 + 1...	Y...	Y		1	1.2	47	1.5	6	.067	14	-.0...	15	.058					
237	1.2DL + 1.5LM-MP14 + 1...	Y...	Y		1	1.2	47	1.5	7	.067	14	-.0...	15	.033					
238	1.2DL + 1.5LM-MP14 + 1...	Y...	Y		1	1.2	47	1.5	8	.067	14	-.0...	15						
239	1.2DL + 1.5LM-MP14 + 1...	Y...	Y		1	1.2	47	1.5	9	.067	14	-.0...	15	-.0...					
240	1.2DL + 1.5LM-MP14 + 1...	Y...	Y		1	1.2	47	1.5	10	.067	14	-.0...	15	-.0...					
241	1.2DL + 1.5LM-MP14 + 1...	Y...	Y		1	1.2	47	1.5	11	.067	14		15	-.0...					
242	1.2DL + 1.5LM-MP14 + 1...	Y...	Y		1	1.2	47	1.5	12	.067	14	.033	15	-.0...					
243	1.2DL + 1.5LM-MP14 + 1...	Y...	Y		1	1.2	47	1.5	13	.067	14	.058	15	-.0...					
244	1.2DL + 1.5LM-MP15 + 1...	Y...	Y		1	1.2	48	1.5	2	.067	14	.067	15						
245	1.2DL + 1.5LM-MP15 + 1...	Y...	Y		1	1.2	48	1.5	3	.067	14	.058	15	.033					
246	1.2DL + 1.5LM-MP15 + 1...	Y...	Y		1	1.2	48	1.5	4	.067	14	.033	15	.058					
247	1.2DL + 1.5LM-MP15 + 1...	Y...	Y		1	1.2	48	1.5	5	.067	14		15	.067					
248	1.2DL + 1.5LM-MP15 + 1...	Y...	Y		1	1.2	48	1.5	6	.067	14	-.0...	15	.058					
249	1.2DL + 1.5LM-MP15 + 1...	Y...	Y		1	1.2	48	1.5	7	.067	14	-.0...	15	.033					
250	1.2DL + 1.5LM-MP15 + 1...	Y...	Y		1	1.2	48	1.5	8	.067	14	-.0...	15						
251	1.2DL + 1.5LM-MP15 + 1...	Y...	Y		1	1.2	48	1.5	9	.067	14	-.0...	15	-.0...					

Load Combinations (Continued)

	Description	S...	P...	S...	BLC	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...
252	1.2DL + 1.5LM-MP15 + 1...	Y...	Y		1	1.2	48	1.5	10	.067	14	-.0...	15	-.0...					
253	1.2DL + 1.5LM-MP15 + 1...	Y...	Y		1	1.2	48	1.5	11	.067	14		15	-.0...					
254	1.2DL + 1.5LM-MP15 + 1...	Y...	Y		1	1.2	48	1.5	12	.067	14	.033	15	-.0...					
255	1.2DL + 1.5LM-MP15 + 1...	Y...	Y		1	1.2	48	1.5	13	.067	14	.058	15	-.0...					
256	1.2DL + 1.5LM-MP16 + 1...	Y...	Y		1	1.2	49	1.5	2	.067	14	.067	15						
257	1.2DL + 1.5LM-MP16 + 1...	Y...	Y		1	1.2	49	1.5	3	.067	14	.058	15	.033					
258	1.2DL + 1.5LM-MP16 + 1...	Y...	Y		1	1.2	49	1.5	4	.067	14	.033	15	.058					
259	1.2DL + 1.5LM-MP16 + 1...	Y...	Y		1	1.2	49	1.5	5	.067	14		15	.067					
260	1.2DL + 1.5LM-MP16 + 1...	Y...	Y		1	1.2	49	1.5	6	.067	14	-.0...	15	.058					
261	1.2DL + 1.5LM-MP16 + 1...	Y...	Y		1	1.2	49	1.5	7	.067	14	-.0...	15	.033					
262	1.2DL + 1.5LM-MP16 + 1...	Y...	Y		1	1.2	49	1.5	8	.067	14	-.0...	15						
263	1.2DL + 1.5LM-MP16 + 1...	Y...	Y		1	1.2	49	1.5	9	.067	14	-.0...	15	-.0...					
264	1.2DL + 1.5LM-MP16 + 1...	Y...	Y		1	1.2	49	1.5	10	.067	14	-.0...	15	-.0...					
265	1.2DL + 1.5LM-MP16 + 1...	Y...	Y		1	1.2	49	1.5	11	.067	14		15	-.0...					
266	1.2DL + 1.5LM-MP16 + 1...	Y...	Y		1	1.2	49	1.5	12	.067	14	.033	15	-.0...					

Envelope Joint Reactions

	Joint	X [lb]	LC	Y [lb]	LC	Z [lb]	L...MX [lb-ft]	LC	MY [lb-ft]	LC	MZ [lb-ft]	LC
1	N64A	m...1986...	4	2312.662	33	1346....	2 1195.045	14	2683.902	16	1210.115	85
2		m...-198...	10	307.625	14	-1317...20	-4586.39	33	-2685.212	10	-1016.885	127
3	N165	m...1647...	17	2197.122	29	1845....	14 2523.631	245	2827.012	24	1044.212	23
4		m...-167...	11	287.096	22	-1858...8	-637.355	21	-2827.249	6	-3824.696	30
5	N203	m...1568...	5	2208.263	37	2048....	14 2598.558	147	2804.026	8	3758.796	37
6		m...-154...	23	263.147	18	-2064...8	-890.912	19	-2801.906	14	-908.826	18
7	Totals:	m...5161...	5	6514.731	33	5236....	2					
8		m...-516...	23	2015.69	51	-5236...20						

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Main Frame	PIPE 4.0	Beam	Pipe	A53 Gr.B	Typical	2.96	6.82	6.82	13.6
2	Pipe Mount	PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
3	Large Arm	HSS5X5X6	Beam	SquareTube	A53 Gr.B	Typical	6.18	21.7	21.7	36.1
4	3/4" Solid Rods	SR 3/4	Beam	BAR	A36 Gr....	Typical	.442	.016	.016	.031
5	1/2" Plate	10x1/2"	Beam	RECT	A36 Gr....	Typical	5	.104	41.667	.404
6	1" Solid Rods	SR 1" Bar	Beam	BAR	A36 Gr....	Typical	.785	.049	.049	.098
7	3/4" Plate	3"x3/4" Plate	Beam	RECT	A36 Gr....	Typical	2.25	.105	1.688	.355
8	Small Arm	HSS4X4X4	Beam	RECT	A53 Gr.B	Typical	3.37	7.8	7.8	12.8
9	Handrail Pipe	PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
10	HR Plate	L2.5x2.5x3	Beam	Pipe	A36 Gr....	Typical	.901	.535	.535	.011

Hot Rolled Steel Section Sets (Continued)

	Label	Shape	Type	Design List	Material	Design ...	A [in ²]	I _{yy} [in ⁴]	I _{zz} [in ⁴]	J [in ⁴]
11	1/2" SR	1/2" SR	Beam	BAR	A36 Gr...	Typical	.129	.001	.001	.003

Cold Formed Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rul...	A [in ²]	I _{yy} [in ⁴]	I _{zz} [in ⁴]	J [in ⁴]
1	CF1A	8CU1.25X...	Beam	None	A653 SS Gr33	Typical	.581	.057	4.41	.00063

Joint Boundary Conditions

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
1	N64A	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
2	N165	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
3	N203	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical Defl Ra...	Analysis ...	Inactive	Seismi...
1	M1						Yes			None
2	M8						Yes			None
3	M9						Yes			None
4	M10						Yes			None
5	M11						Yes			None
6	S1						Yes			None
7	H1						Yes			None
8	M28						Yes			None
9	M29						Yes	** NA **		None
10	M30						Yes	** NA **		None
11	H3						Yes			None
12	H2						Yes			None
13	P3						Yes			None
14	P1						Yes			None
15	P2						Yes			None
16	M29A						Yes			None
17	M30A						Yes			None
18	M25A						Yes			None
19	M26						Yes			None
20	M27						Yes			None
21	M28A						Yes			None
22	M27A						Yes			None
23	M28B						Yes			None
24	M29B						Yes			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Ra...	Analysis ...	Inactive	Seismi...
25	M30B						Yes				None
26	M31						Yes				None
27	M32						Yes				None
28	M33						Yes				None
29	S2						Yes				None
30	S3						Yes				None
31	MP1						Yes				None
32	M38A						Yes	** NA **			None
33	MP2						Yes				None
34	M34A						Yes	** NA **			None
35	MP3						Yes				None
36	M36						Yes	** NA **			None
37	MP4						Yes				None
38	M38						Yes	** NA **			None
39	MP6						Yes				None
40	M43						Yes	** NA **			None
41	MP13						Yes				None
42	M45						Yes	** NA **			None
43	MP14						Yes				None
44	M47						Yes	** NA **			None
45	MP15						Yes				None
46	M49						Yes	** NA **			None
47	MP16						Yes				None
48	M51						Yes	** NA **			None
49	MP18						Yes				None
50	M56						Yes	** NA **			None
51	MP7						Yes				None
52	M58						Yes	** NA **			None
53	MP8						Yes				None
54	M60						Yes	** NA **			None
55	MP9						Yes				None
56	M62						Yes	** NA **			None
57	MP10						Yes				None
58	M64						Yes	** NA **			None
59	MP12						Yes				None
60	M69						Yes	** NA **			None
61	M70						Yes				None
62	M71						Yes				None
63	M72						Yes				None
64	M73						Yes				None
65	M74						Yes				None
66	S4						Yes				None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Ra...	Analysis ...	Inactive	Seismi...
67	M76						Yes				None
68	M77						Yes	** NA **			None
69	M78						Yes	** NA **			None
70	M79						Yes				None
71	M80						Yes				None
72	M81						Yes				None
73	M82						Yes				None
74	M83						Yes				None
75	M84						Yes				None
76	M85						Yes				None
77	M86						Yes				None
78	M87						Yes				None
79	M88A						Yes				None
80	M89						Yes				None
81	M90						Yes				None
82	M91						Yes				None
83	S5						Yes				None
84	S6						Yes				None
85	M94						Yes				None
86	M95A						Yes				None
87	M96A						Yes				None
88	M97A						Yes				None
89	M98						Yes				None
90	S7						Yes				None
91	M100						Yes				None
92	M101						Yes	** NA **			None
93	M102						Yes	** NA **			None
94	M103						Yes				None
95	M104						Yes				None
96	M105						Yes				None
97	M106						Yes				None
98	M107						Yes				None
99	M108						Yes				None
100	M109						Yes				None
101	M110						Yes				None
102	M111						Yes				None
103	M112						Yes				None
104	M113						Yes				None
105	M114						Yes				None
106	M115						Yes				None
107	S8						Yes				None
108	S9						Yes				None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Ra...	Analysis ...	Inactive	Seismi...
109	HR1						Yes	Default			None
110	HR3						Yes				None
111	HR2						Yes				None
112	M121						Yes	** NA **			None
113	M122						Yes	** NA **			None
114	M123						Yes	** NA **			None
115	M124						Yes	** NA **			None
116	M125						Yes	** NA **			None
117	M126						Yes	** NA **			None
118	M127						Yes	** NA **			None
119	M128						Yes	** NA **			None
120	M129						Yes	** NA **			None
121	M130						Yes	** NA **			None
122	M131						Yes	** NA **			None
123	M132						Yes	** NA **			None
124	M133						Yes	** NA **			None
125	M134						Yes	** NA **			None
126	M135						Yes	** NA **			None
127	P4	BenPIN	BenPIN				Yes	Default			None
128	P5	BenPIN	BenPIN				Yes	Default			None
129	P6	BenPIN	BenPIN				Yes	Default			None
130	MP19						Yes				None
131	M140						Yes	** NA **			None
132	M141						Yes	** NA **			None

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E5 F)	Density[lb/ft^3]	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	490	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	490	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	490	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	490	35	1.6	60	1.2
7	A1085	29000	11154	.3	.65	490	50	1.4	65	1.3

Cold Formed Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E5...	Density[lb/ft^...	Yield[ksi]	Fu[ksi]
1	A653 SS Gr33	29500	11346	.3	.65	490	33	45
2	A653 SS Gr50/1	29500	11346	.3	.65	490	50	65

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

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*...]
1	N1	L	Y	-250
2	N114	L	Y	-250
3	N61	L	Y	-250

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

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*...]
1	N64B	L	Y	-500

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

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*...]
1	N57B	L	Y	-500

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

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*...]
1	N61C	L	Y	-500

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

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*...]
1	N65A	L	Y	-500

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

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*...]
1	N74	L	Y	-500

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

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*...]
1	N79	L	Y	-500

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

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*...]
1	N83	L	Y	-500

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

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*...]
1	N87	L	Y	-500

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

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

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

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*...]
1	N91	L	Y	-500

Joint Loads and Enforced Displacements (BLC 43 : Maintenance Load 10)

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*...]
1	N100	L	Y	-500

Joint Loads and Enforced Displacements (BLC 44 : Maintenance Load 11)

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*...]
1	N104	L	Y	-500

Joint Loads and Enforced Displacements (BLC 45 : Maintenance Load 12)

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*...]
1	N108	L	Y	-500

Joint Loads and Enforced Displacements (BLC 46 : Maintenance Load 13)

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*...]
1	N112	L	Y	-500

Joint Loads and Enforced Displacements (BLC 47 : Maintenance Load 14)

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*...]
1	N116	L	Y	-500

Joint Loads and Enforced Displacements (BLC 48 : Maintenance Load 15)

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*...]
1	N125	L	Y	-500

Joint Loads and Enforced Displacements (BLC 49 : Maintenance Load 16)

	Joint Label	L,D,M	Direction	Magnitude[(lb,lb-ft), (in,rad), (lb*...]
1	N246A	L	Y	-500

Member Point Loads (BLC 1 : Self Weight)

	Member Label	Direction	Magnitude[(lb,lb-ft)]	Location[in, %]
1	MP2	Y	-31.75	0
2	MP2	Y	-31.75	54
3	MP1	Y	-39.7	0
4	MP1	Y	-39.7	54
5	MP4	Y	-23.95	0
6	MP4	Y	-23.95	52

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
7	MP6	Y	-17.5	0
8	MP6	Y	-17.5	52
9	MP6	Y	-14.1	40
10	MP6	Y	-14.1	40
11	MP1	Y	-71	10
12	MP2	Y	-59.9	30
13	MP1	Y	-52.9	10
14	MP8	Y	-31.75	0
15	MP8	Y	-31.75	54
16	MP7	Y	-39.7	0
17	MP7	Y	-39.7	54
18	MP10	Y	-23.95	0
19	MP10	Y	-23.95	52
20	MP12	Y	-17.5	0
21	MP12	Y	-17.5	52
22	MP12	Y	-14.1	40
23	MP12	Y	-14.1	40
24	MP7	Y	-71	10
25	MP8	Y	-59.9	30
26	MP7	Y	-52.9	10
27	MP14	Y	-31.75	0
28	MP14	Y	-31.75	54
29	MP13	Y	-39.7	0
30	MP13	Y	-39.7	54
31	MP16	Y	-23.95	0
32	MP16	Y	-23.95	52
33	MP18	Y	-17.5	0
34	MP18	Y	-17.5	52
35	MP18	Y	-14.1	40
36	MP18	Y	-14.1	40
37	MP13	Y	-71	10
38	MP14	Y	-59.9	30
39	MP13	Y	-52.9	10

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	0	0
2	MP2	Z	-206.38	0
3	MP2	X	0	54
4	MP2	Z	-206.38	54
5	MP1	X	0	0
6	MP1	Z	-214.15	0

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
7	MP1	X	0	54
8	MP1	Z	-214.15	54
9	MP4	X	0	0
10	MP4	Z	-155.43	0
11	MP4	X	0	52
12	MP4	Z	-155.43	52
13	MP6	X	0	0
14	MP6	Z	-92.81	0
15	MP6	X	0	52
16	MP6	Z	-92.81	52
17	MP6	X	0	40
18	MP6	Z	-37.2	40
19	MP6	X	0	40
20	MP6	Z	-37.2	40
21	MP1	X	0	10
22	MP1	Z	-66.72	10
23	MP2	X	0	30
24	MP2	Z	-62.09	30
25	MP1	X	0	10
26	MP1	Z	-92.04	10
27	MP8	X	0	0
28	MP8	Z	-128.01	0
29	MP8	X	0	54
30	MP8	Z	-128.01	54
31	MP7	X	0	0
32	MP7	Z	-124.5	0
33	MP7	X	0	54
34	MP7	Z	-124.5	54
35	MP10	X	0	0
36	MP10	Z	-117.8	0
37	MP10	X	0	52
38	MP10	Z	-117.8	52
39	MP12	X	0	0
40	MP12	Z	-60.21	0
41	MP12	X	0	52
42	MP12	Z	-60.21	52
43	MP12	X	0	40
44	MP12	Z	-18.07	40
45	MP12	X	0	40
46	MP12	Z	-18.07	40
47	MP7	X	0	10
48	MP7	Z	-52.32	10

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
49	MP8	X	0	30
50	MP8	Z	-42.28	30
51	MP7	X	0	10
52	MP7	Z	-65.17	10
53	MP14	X	0	0
54	MP14	Z	-128.01	0
55	MP14	X	0	54
56	MP14	Z	-128.01	54
57	MP13	X	0	0
58	MP13	Z	-124.5	0
59	MP13	X	0	54
60	MP13	Z	-124.5	54
61	MP16	X	0	0
62	MP16	Z	-117.8	0
63	MP16	X	0	52
64	MP16	Z	-117.8	52
65	MP18	X	0	0
66	MP18	Z	-60.21	0
67	MP18	X	0	52
68	MP18	Z	-60.21	52
69	MP18	X	0	40
70	MP18	Z	-18.07	40
71	MP18	X	0	40
72	MP18	Z	-18.07	40
73	MP13	X	0	10
74	MP13	Z	-52.32	10
75	MP14	X	0	30
76	MP14	Z	-42.28	30
77	MP13	X	0	10
78	MP13	Z	-65.17	10

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	-90.13	0
2	MP2	Z	-156.11	0
3	MP2	X	-90.13	54
4	MP2	Z	-156.11	54
5	MP1	X	-92.13	0
6	MP1	Z	-159.58	0
7	MP1	X	-92.13	54
8	MP1	Z	-159.58	54
9	MP4	X	-71.44	0

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
10	MP4	Z	-123.74	0
11	MP4	X	-71.44	52
12	MP4	Z	-123.74	52
13	MP6	X	-40.97	0
14	MP6	Z	-70.97	0
15	MP6	X	-40.97	52
16	MP6	Z	-70.97	52
17	MP6	X	-15.41	40
18	MP6	Z	-26.7	40
19	MP6	X	-15.41	40
20	MP6	Z	-26.7	40
21	MP1	X	-30.96	10
22	MP1	Z	-53.63	10
23	MP2	X	-27.74	30
24	MP2	Z	-48.05	30
25	MP1	X	-41.54	10
26	MP1	Z	-71.95	10
27	MP8	X	-90.13	0
28	MP8	Z	-156.11	0
29	MP8	X	-90.13	54
30	MP8	Z	-156.11	54
31	MP7	X	-92.13	0
32	MP7	Z	-159.58	0
33	MP7	X	-92.13	54
34	MP7	Z	-159.58	54
35	MP10	X	-71.44	0
36	MP10	Z	-123.74	0
37	MP10	X	-71.44	52
38	MP10	Z	-123.74	52
39	MP12	X	-40.97	0
40	MP12	Z	-70.97	0
41	MP12	X	-40.97	52
42	MP12	Z	-70.97	52
43	MP12	X	-15.41	40
44	MP12	Z	-26.7	40
45	MP12	X	-15.41	40
46	MP12	Z	-26.7	40
47	MP7	X	-30.96	10
48	MP7	Z	-53.63	10
49	MP8	X	-27.74	30
50	MP8	Z	-48.05	30
51	MP7	X	-41.54	10

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
52	MP7	Z	-71.95	10
53	MP14	X	-50.94	0
54	MP14	Z	-88.24	0
55	MP14	X	-50.94	54
56	MP14	Z	-88.24	54
57	MP13	X	-47.31	0
58	MP13	Z	-81.94	0
59	MP13	X	-47.31	54
60	MP13	Z	-81.94	54
61	MP16	X	-52.63	0
62	MP16	Z	-91.15	0
63	MP16	X	-52.63	52
64	MP16	Z	-91.15	52
65	MP18	X	-24.67	0
66	MP18	Z	-42.73	0
67	MP18	X	-24.67	52
68	MP18	Z	-42.73	52
69	MP18	X	-5.85	40
70	MP18	Z	-10.13	40
71	MP18	X	-5.85	40
72	MP18	Z	-10.13	40
73	MP13	X	-23.76	10
74	MP13	Z	-41.15	10
75	MP14	X	-17.84	30
76	MP14	Z	-30.9	30
77	MP13	X	-28.11	10
78	MP13	Z	-48.68	10

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	-110.86	0
2	MP2	Z	-64.01	0
3	MP2	X	-110.86	54
4	MP2	Z	-64.01	54
5	MP1	X	-107.82	0
6	MP1	Z	-62.25	0
7	MP1	X	-107.82	54
8	MP1	Z	-62.25	54
9	MP4	X	-102.01	0
10	MP4	Z	-58.9	0
11	MP4	X	-102.01	52
12	MP4	Z	-58.9	52

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
13	MP6	X	-52.14	0
14	MP6	Z	-30.1	0
15	MP6	X	-52.14	52
16	MP6	Z	-30.1	52
17	MP6	X	-15.65	40
18	MP6	Z	-9.04	40
19	MP6	X	-15.65	40
20	MP6	Z	-9.04	40
21	MP1	X	-45.31	10
22	MP1	Z	-26.16	10
23	MP2	X	-36.62	30
24	MP2	Z	-21.14	30
25	MP1	X	-56.44	10
26	MP1	Z	-32.59	10
27	MP8	X	-178.73	0
28	MP8	Z	-103.19	0
29	MP8	X	-178.73	54
30	MP8	Z	-103.19	54
31	MP7	X	-185.46	0
32	MP7	Z	-107.07	0
33	MP7	X	-185.46	54
34	MP7	Z	-107.07	54
35	MP10	X	-134.6	0
36	MP10	Z	-77.71	0
37	MP10	X	-134.6	52
38	MP10	Z	-77.71	52
39	MP12	X	-80.38	0
40	MP12	Z	-46.41	0
41	MP12	X	-80.38	52
42	MP12	Z	-46.41	52
43	MP12	X	-32.22	40
44	MP12	Z	-18.6	40
45	MP12	X	-32.22	40
46	MP12	Z	-18.6	40
47	MP7	X	-57.78	10
48	MP7	Z	-33.36	10
49	MP8	X	-53.77	30
50	MP8	Z	-31.04	30
51	MP7	X	-79.71	10
52	MP7	Z	-46.02	10
53	MP14	X	-110.86	0
54	MP14	Z	-64.01	0

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
55	MP14	X	-110.86	54
56	MP14	Z	-64.01	54
57	MP13	X	-107.82	0
58	MP13	Z	-62.25	0
59	MP13	X	-107.82	54
60	MP13	Z	-62.25	54
61	MP16	X	-102.01	0
62	MP16	Z	-58.9	0
63	MP16	X	-102.01	52
64	MP16	Z	-58.9	52
65	MP18	X	-52.14	0
66	MP18	Z	-30.1	0
67	MP18	X	-52.14	52
68	MP18	Z	-30.1	52
69	MP18	X	-15.65	40
70	MP18	Z	-9.04	40
71	MP18	X	-15.65	40
72	MP18	Z	-9.04	40
73	MP13	X	-45.31	10
74	MP13	Z	-26.16	10
75	MP14	X	-36.62	30
76	MP14	Z	-21.14	30
77	MP13	X	-56.44	10
78	MP13	Z	-32.59	10

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	-101.89	0
2	MP2	Z	0	0
3	MP2	X	-101.89	54
4	MP2	Z	0	54
5	MP1	X	-94.61	0
6	MP1	Z	0	0
7	MP1	X	-94.61	54
8	MP1	Z	0	54
9	MP4	X	-105.25	0
10	MP4	Z	0	0
11	MP4	X	-105.25	52
12	MP4	Z	0	52
13	MP6	X	-49.34	0
14	MP6	Z	0	0
15	MP6	X	-49.34	52

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
16	MP6	Z	0	52
17	MP6	X	-11.7	40
18	MP6	Z	0	40
19	MP6	X	-11.7	40
20	MP6	Z	0	40
21	MP1	X	-47.52	10
22	MP1	Z	0	10
23	MP2	X	-35.68	30
24	MP2	Z	0	30
25	MP1	X	-56.21	10
26	MP1	Z	0	10
27	MP8	X	-180.25	0
28	MP8	Z	0	0
29	MP8	X	-180.25	54
30	MP8	Z	0	54
31	MP7	X	-184.26	0
32	MP7	Z	0	0
33	MP7	X	-184.26	54
34	MP7	Z	0	54
35	MP10	X	-142.88	0
36	MP10	Z	0	0
37	MP10	X	-142.88	52
38	MP10	Z	0	52
39	MP12	X	-81.95	0
40	MP12	Z	0	0
41	MP12	X	-81.95	52
42	MP12	Z	0	52
43	MP12	X	-30.83	40
44	MP12	Z	0	40
45	MP12	X	-30.83	40
46	MP12	Z	0	40
47	MP7	X	-61.92	10
48	MP7	Z	0	10
49	MP8	X	-55.49	30
50	MP8	Z	0	30
51	MP7	X	-83.08	10
52	MP7	Z	0	10
53	MP14	X	-180.25	0
54	MP14	Z	0	0
55	MP14	X	-180.25	54
56	MP14	Z	0	54
57	MP13	X	-184.26	0

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
58	MP13	Z	0	0
59	MP13	X	-184.26	54
60	MP13	Z	0	54
61	MP16	X	-142.88	0
62	MP16	Z	0	0
63	MP16	X	-142.88	52
64	MP16	Z	0	52
65	MP18	X	-81.95	0
66	MP18	Z	0	0
67	MP18	X	-81.95	52
68	MP18	Z	0	52
69	MP18	X	-30.83	40
70	MP18	Z	0	40
71	MP18	X	-30.83	40
72	MP18	Z	0	40
73	MP13	X	-61.92	10
74	MP13	Z	0	10
75	MP14	X	-55.49	30
76	MP14	Z	0	30
77	MP13	X	-83.08	10
78	MP13	Z	0	10

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	-110.86	0
2	MP2	Z	64.01	0
3	MP2	X	-110.86	54
4	MP2	Z	64.01	54
5	MP1	X	-107.82	0
6	MP1	Z	62.25	0
7	MP1	X	-107.82	54
8	MP1	Z	62.25	54
9	MP4	X	-102.01	0
10	MP4	Z	58.9	0
11	MP4	X	-102.01	52
12	MP4	Z	58.9	52
13	MP6	X	-52.14	0
14	MP6	Z	30.1	0
15	MP6	X	-52.14	52
16	MP6	Z	30.1	52
17	MP6	X	-15.65	40
18	MP6	Z	9.04	40

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
19	MP6	X	-15.65	40
20	MP6	Z	9.04	40
21	MP1	X	-45.31	10
22	MP1	Z	26.16	10
23	MP2	X	-36.62	30
24	MP2	Z	21.14	30
25	MP1	X	-56.44	10
26	MP1	Z	32.59	10
27	MP8	X	-110.86	0
28	MP8	Z	64.01	0
29	MP8	X	-110.86	54
30	MP8	Z	64.01	54
31	MP7	X	-107.82	0
32	MP7	Z	62.25	0
33	MP7	X	-107.82	54
34	MP7	Z	62.25	54
35	MP10	X	-102.01	0
36	MP10	Z	58.9	0
37	MP10	X	-102.01	52
38	MP10	Z	58.9	52
39	MP12	X	-52.14	0
40	MP12	Z	30.1	0
41	MP12	X	-52.14	52
42	MP12	Z	30.1	52
43	MP12	X	-15.65	40
44	MP12	Z	9.04	40
45	MP12	X	-15.65	40
46	MP12	Z	9.04	40
47	MP7	X	-45.31	10
48	MP7	Z	26.16	10
49	MP8	X	-36.62	30
50	MP8	Z	21.14	30
51	MP7	X	-56.44	10
52	MP7	Z	32.59	10
53	MP14	X	-178.73	0
54	MP14	Z	103.19	0
55	MP14	X	-178.73	54
56	MP14	Z	103.19	54
57	MP13	X	-185.46	0
58	MP13	Z	107.07	0
59	MP13	X	-185.46	54
60	MP13	Z	107.07	54

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
61	MP16	X	-134.6	0
62	MP16	Z	77.71	0
63	MP16	X	-134.6	52
64	MP16	Z	77.71	52
65	MP18	X	-80.38	0
66	MP18	Z	46.41	0
67	MP18	X	-80.38	52
68	MP18	Z	46.41	52
69	MP18	X	-32.22	40
70	MP18	Z	18.6	40
71	MP18	X	-32.22	40
72	MP18	Z	18.6	40
73	MP13	X	-57.78	10
74	MP13	Z	33.36	10
75	MP14	X	-53.77	30
76	MP14	Z	31.04	30
77	MP13	X	-79.71	10
78	MP13	Z	46.02	10

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	-90.13	0
2	MP2	Z	156.11	0
3	MP2	X	-90.13	54
4	MP2	Z	156.11	54
5	MP1	X	-92.13	0
6	MP1	Z	159.58	0
7	MP1	X	-92.13	54
8	MP1	Z	159.58	54
9	MP4	X	-71.44	0
10	MP4	Z	123.74	0
11	MP4	X	-71.44	52
12	MP4	Z	123.74	52
13	MP6	X	-40.97	0
14	MP6	Z	70.97	0
15	MP6	X	-40.97	52
16	MP6	Z	70.97	52
17	MP6	X	-15.41	40
18	MP6	Z	26.7	40
19	MP6	X	-15.41	40
20	MP6	Z	26.7	40
21	MP1	X	-30.96	10

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
22	MP1	Z	53.63	10
23	MP2	X	-27.74	30
24	MP2	Z	48.05	30
25	MP1	X	-41.54	10
26	MP1	Z	71.95	10
27	MP8	X	-50.94	0
28	MP8	Z	88.24	0
29	MP8	X	-50.94	54
30	MP8	Z	88.24	54
31	MP7	X	-47.31	0
32	MP7	Z	81.94	0
33	MP7	X	-47.31	54
34	MP7	Z	81.94	54
35	MP10	X	-52.63	0
36	MP10	Z	91.15	0
37	MP10	X	-52.63	52
38	MP10	Z	91.15	52
39	MP12	X	-24.67	0
40	MP12	Z	42.73	0
41	MP12	X	-24.67	52
42	MP12	Z	42.73	52
43	MP12	X	-5.85	40
44	MP12	Z	10.13	40
45	MP12	X	-5.85	40
46	MP12	Z	10.13	40
47	MP7	X	-23.76	10
48	MP7	Z	41.15	10
49	MP8	X	-17.84	30
50	MP8	Z	30.9	30
51	MP7	X	-28.11	10
52	MP7	Z	48.68	10
53	MP14	X	-90.13	0
54	MP14	Z	156.11	0
55	MP14	X	-90.13	54
56	MP14	Z	156.11	54
57	MP13	X	-92.13	0
58	MP13	Z	159.58	0
59	MP13	X	-92.13	54
60	MP13	Z	159.58	54
61	MP16	X	-71.44	0
62	MP16	Z	123.74	0
63	MP16	X	-71.44	52

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
64	MP16	Z	123.74	52
65	MP18	X	-40.97	0
66	MP18	Z	70.97	0
67	MP18	X	-40.97	52
68	MP18	Z	70.97	52
69	MP18	X	-15.41	40
70	MP18	Z	26.7	40
71	MP18	X	-15.41	40
72	MP18	Z	26.7	40
73	MP13	X	-30.96	10
74	MP13	Z	53.63	10
75	MP14	X	-27.74	30
76	MP14	Z	48.05	30
77	MP13	X	-41.54	10
78	MP13	Z	71.95	10

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	0	0
2	MP2	Z	206.38	0
3	MP2	X	0	54
4	MP2	Z	206.38	54
5	MP1	X	0	0
6	MP1	Z	214.15	0
7	MP1	X	0	54
8	MP1	Z	214.15	54
9	MP4	X	0	0
10	MP4	Z	155.43	0
11	MP4	X	0	52
12	MP4	Z	155.43	52
13	MP6	X	0	0
14	MP6	Z	92.81	0
15	MP6	X	0	52
16	MP6	Z	92.81	52
17	MP6	X	0	40
18	MP6	Z	37.2	40
19	MP6	X	0	40
20	MP6	Z	37.2	40
21	MP1	X	0	10
22	MP1	Z	66.72	10
23	MP2	X	0	30
24	MP2	Z	62.09	30

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
25	MP1	X	0	10
26	MP1	Z	92.04	10
27	MP8	X	0	0
28	MP8	Z	128.01	0
29	MP8	X	0	54
30	MP8	Z	128.01	54
31	MP7	X	0	0
32	MP7	Z	124.5	0
33	MP7	X	0	54
34	MP7	Z	124.5	54
35	MP10	X	0	0
36	MP10	Z	117.8	0
37	MP10	X	0	52
38	MP10	Z	117.8	52
39	MP12	X	0	0
40	MP12	Z	60.21	0
41	MP12	X	0	52
42	MP12	Z	60.21	52
43	MP12	X	0	40
44	MP12	Z	18.07	40
45	MP12	X	0	40
46	MP12	Z	18.07	40
47	MP7	X	0	10
48	MP7	Z	52.32	10
49	MP8	X	0	30
50	MP8	Z	42.28	30
51	MP7	X	0	10
52	MP7	Z	65.17	10
53	MP14	X	0	0
54	MP14	Z	128.01	0
55	MP14	X	0	54
56	MP14	Z	128.01	54
57	MP13	X	0	0
58	MP13	Z	124.5	0
59	MP13	X	0	54
60	MP13	Z	124.5	54
61	MP16	X	0	0
62	MP16	Z	117.8	0
63	MP16	X	0	52
64	MP16	Z	117.8	52
65	MP18	X	0	0
66	MP18	Z	60.21	0

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
67	MP18	X	0	52
68	MP18	Z	60.21	52
69	MP18	X	0	40
70	MP18	Z	18.07	40
71	MP18	X	0	40
72	MP18	Z	18.07	40
73	MP13	X	0	10
74	MP13	Z	52.32	10
75	MP14	X	0	30
76	MP14	Z	42.28	30
77	MP13	X	0	10
78	MP13	Z	65.17	10

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	90.13	0
2	MP2	Z	156.11	0
3	MP2	X	90.13	54
4	MP2	Z	156.11	54
5	MP1	X	92.13	0
6	MP1	Z	159.58	0
7	MP1	X	92.13	54
8	MP1	Z	159.58	54
9	MP4	X	71.44	0
10	MP4	Z	123.74	0
11	MP4	X	71.44	52
12	MP4	Z	123.74	52
13	MP6	X	40.97	0
14	MP6	Z	70.97	0
15	MP6	X	40.97	52
16	MP6	Z	70.97	52
17	MP6	X	15.41	40
18	MP6	Z	26.7	40
19	MP6	X	15.41	40
20	MP6	Z	26.7	40
21	MP1	X	30.96	10
22	MP1	Z	53.63	10
23	MP2	X	27.74	30
24	MP2	Z	48.05	30
25	MP1	X	41.54	10
26	MP1	Z	71.95	10
27	MP8	X	90.13	0

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
28	MP8	Z	156.11	0
29	MP8	X	90.13	54
30	MP8	Z	156.11	54
31	MP7	X	92.13	0
32	MP7	Z	159.58	0
33	MP7	X	92.13	54
34	MP7	Z	159.58	54
35	MP10	X	71.44	0
36	MP10	Z	123.74	0
37	MP10	X	71.44	52
38	MP10	Z	123.74	52
39	MP12	X	40.97	0
40	MP12	Z	70.97	0
41	MP12	X	40.97	52
42	MP12	Z	70.97	52
43	MP12	X	15.41	40
44	MP12	Z	26.7	40
45	MP12	X	15.41	40
46	MP12	Z	26.7	40
47	MP7	X	30.96	10
48	MP7	Z	53.63	10
49	MP8	X	27.74	30
50	MP8	Z	48.05	30
51	MP7	X	41.54	10
52	MP7	Z	71.95	10
53	MP14	X	50.94	0
54	MP14	Z	88.24	0
55	MP14	X	50.94	54
56	MP14	Z	88.24	54
57	MP13	X	47.31	0
58	MP13	Z	81.94	0
59	MP13	X	47.31	54
60	MP13	Z	81.94	54
61	MP16	X	52.63	0
62	MP16	Z	91.15	0
63	MP16	X	52.63	52
64	MP16	Z	91.15	52
65	MP18	X	24.67	0
66	MP18	Z	42.73	0
67	MP18	X	24.67	52
68	MP18	Z	42.73	52
69	MP18	X	5.85	40

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
70	MP18	Z	10.13	40
71	MP18	X	5.85	40
72	MP18	Z	10.13	40
73	MP13	X	23.76	10
74	MP13	Z	41.15	10
75	MP14	X	17.84	30
76	MP14	Z	30.9	30
77	MP13	X	28.11	10
78	MP13	Z	48.68	10

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	110.86	0
2	MP2	Z	64.01	0
3	MP2	X	110.86	54
4	MP2	Z	64.01	54
5	MP1	X	107.82	0
6	MP1	Z	62.25	0
7	MP1	X	107.82	54
8	MP1	Z	62.25	54
9	MP4	X	102.01	0
10	MP4	Z	58.9	0
11	MP4	X	102.01	52
12	MP4	Z	58.9	52
13	MP6	X	52.14	0
14	MP6	Z	30.1	0
15	MP6	X	52.14	52
16	MP6	Z	30.1	52
17	MP6	X	15.65	40
18	MP6	Z	9.04	40
19	MP6	X	15.65	40
20	MP6	Z	9.04	40
21	MP1	X	45.31	10
22	MP1	Z	26.16	10
23	MP2	X	36.62	30
24	MP2	Z	21.14	30
25	MP1	X	56.44	10
26	MP1	Z	32.59	10
27	MP8	X	178.73	0
28	MP8	Z	103.19	0
29	MP8	X	178.73	54
30	MP8	Z	103.19	54

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
31	MP7	X	185.46	0
32	MP7	Z	107.07	0
33	MP7	X	185.46	54
34	MP7	Z	107.07	54
35	MP10	X	134.6	0
36	MP10	Z	77.71	0
37	MP10	X	134.6	52
38	MP10	Z	77.71	52
39	MP12	X	80.38	0
40	MP12	Z	46.41	0
41	MP12	X	80.38	52
42	MP12	Z	46.41	52
43	MP12	X	32.22	40
44	MP12	Z	18.6	40
45	MP12	X	32.22	40
46	MP12	Z	18.6	40
47	MP7	X	57.78	10
48	MP7	Z	33.36	10
49	MP8	X	53.77	30
50	MP8	Z	31.04	30
51	MP7	X	79.71	10
52	MP7	Z	46.02	10
53	MP14	X	110.86	0
54	MP14	Z	64.01	0
55	MP14	X	110.86	54
56	MP14	Z	64.01	54
57	MP13	X	107.82	0
58	MP13	Z	62.25	0
59	MP13	X	107.82	54
60	MP13	Z	62.25	54
61	MP16	X	102.01	0
62	MP16	Z	58.9	0
63	MP16	X	102.01	52
64	MP16	Z	58.9	52
65	MP18	X	52.14	0
66	MP18	Z	30.1	0
67	MP18	X	52.14	52
68	MP18	Z	30.1	52
69	MP18	X	15.65	40
70	MP18	Z	9.04	40
71	MP18	X	15.65	40
72	MP18	Z	9.04	40

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
73	MP13	X	45.31	10
74	MP13	Z	26.16	10
75	MP14	X	36.62	30
76	MP14	Z	21.14	30
77	MP13	X	56.44	10
78	MP13	Z	32.59	10

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	101.89	0
2	MP2	Z	0	0
3	MP2	X	101.89	54
4	MP2	Z	0	54
5	MP1	X	94.61	0
6	MP1	Z	0	0
7	MP1	X	94.61	54
8	MP1	Z	0	54
9	MP4	X	105.25	0
10	MP4	Z	0	0
11	MP4	X	105.25	52
12	MP4	Z	0	52
13	MP6	X	49.34	0
14	MP6	Z	0	0
15	MP6	X	49.34	52
16	MP6	Z	0	52
17	MP6	X	11.7	40
18	MP6	Z	0	40
19	MP6	X	11.7	40
20	MP6	Z	0	40
21	MP1	X	47.52	10
22	MP1	Z	0	10
23	MP2	X	35.68	30
24	MP2	Z	0	30
25	MP1	X	56.21	10
26	MP1	Z	0	10
27	MP8	X	180.25	0
28	MP8	Z	0	0
29	MP8	X	180.25	54
30	MP8	Z	0	54
31	MP7	X	184.26	0
32	MP7	Z	0	0
33	MP7	X	184.26	54

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
34	MP7	Z	0	54
35	MP10	X	142.88	0
36	MP10	Z	0	0
37	MP10	X	142.88	52
38	MP10	Z	0	52
39	MP12	X	81.95	0
40	MP12	Z	0	0
41	MP12	X	81.95	52
42	MP12	Z	0	52
43	MP12	X	30.83	40
44	MP12	Z	0	40
45	MP12	X	30.83	40
46	MP12	Z	0	40
47	MP7	X	61.92	10
48	MP7	Z	0	10
49	MP8	X	55.49	30
50	MP8	Z	0	30
51	MP7	X	83.08	10
52	MP7	Z	0	10
53	MP14	X	180.25	0
54	MP14	Z	0	0
55	MP14	X	180.25	54
56	MP14	Z	0	54
57	MP13	X	184.26	0
58	MP13	Z	0	0
59	MP13	X	184.26	54
60	MP13	Z	0	54
61	MP16	X	142.88	0
62	MP16	Z	0	0
63	MP16	X	142.88	52
64	MP16	Z	0	52
65	MP18	X	81.95	0
66	MP18	Z	0	0
67	MP18	X	81.95	52
68	MP18	Z	0	52
69	MP18	X	30.83	40
70	MP18	Z	0	40
71	MP18	X	30.83	40
72	MP18	Z	0	40
73	MP13	X	61.92	10
74	MP13	Z	0	10
75	MP14	X	55.49	30

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
76	MP14	Z	0	30
77	MP13	X	83.08	10
78	MP13	Z	0	10

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	110.86	0
2	MP2	Z	-64.01	0
3	MP2	X	110.86	54
4	MP2	Z	-64.01	54
5	MP1	X	107.82	0
6	MP1	Z	-62.25	0
7	MP1	X	107.82	54
8	MP1	Z	-62.25	54
9	MP4	X	102.01	0
10	MP4	Z	-58.9	0
11	MP4	X	102.01	52
12	MP4	Z	-58.9	52
13	MP6	X	52.14	0
14	MP6	Z	-30.1	0
15	MP6	X	52.14	52
16	MP6	Z	-30.1	52
17	MP6	X	15.65	40
18	MP6	Z	-9.04	40
19	MP6	X	15.65	40
20	MP6	Z	-9.04	40
21	MP1	X	45.31	10
22	MP1	Z	-26.16	10
23	MP2	X	36.62	30
24	MP2	Z	-21.14	30
25	MP1	X	56.44	10
26	MP1	Z	-32.59	10
27	MP8	X	110.86	0
28	MP8	Z	-64.01	0
29	MP8	X	110.86	54
30	MP8	Z	-64.01	54
31	MP7	X	107.82	0
32	MP7	Z	-62.25	0
33	MP7	X	107.82	54
34	MP7	Z	-62.25	54
35	MP10	X	102.01	0
36	MP10	Z	-58.9	0

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
37	MP10	X	102.01	52
38	MP10	Z	-58.9	52
39	MP12	X	52.14	0
40	MP12	Z	-30.1	0
41	MP12	X	52.14	52
42	MP12	Z	-30.1	52
43	MP12	X	15.65	40
44	MP12	Z	-9.04	40
45	MP12	X	15.65	40
46	MP12	Z	-9.04	40
47	MP7	X	45.31	10
48	MP7	Z	-26.16	10
49	MP8	X	36.62	30
50	MP8	Z	-21.14	30
51	MP7	X	56.44	10
52	MP7	Z	-32.59	10
53	MP14	X	178.73	0
54	MP14	Z	-103.19	0
55	MP14	X	178.73	54
56	MP14	Z	-103.19	54
57	MP13	X	185.46	0
58	MP13	Z	-107.07	0
59	MP13	X	185.46	54
60	MP13	Z	-107.07	54
61	MP16	X	134.6	0
62	MP16	Z	-77.71	0
63	MP16	X	134.6	52
64	MP16	Z	-77.71	52
65	MP18	X	80.38	0
66	MP18	Z	-46.41	0
67	MP18	X	80.38	52
68	MP18	Z	-46.41	52
69	MP18	X	32.22	40
70	MP18	Z	-18.6	40
71	MP18	X	32.22	40
72	MP18	Z	-18.6	40
73	MP13	X	57.78	10
74	MP13	Z	-33.36	10
75	MP14	X	53.77	30
76	MP14	Z	-31.04	30
77	MP13	X	79.71	10
78	MP13	Z	-46.02	10

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	90.13	0
2	MP2	Z	-156.11	0
3	MP2	X	90.13	54
4	MP2	Z	-156.11	54
5	MP1	X	92.13	0
6	MP1	Z	-159.58	0
7	MP1	X	92.13	54
8	MP1	Z	-159.58	54
9	MP4	X	71.44	0
10	MP4	Z	-123.74	0
11	MP4	X	71.44	52
12	MP4	Z	-123.74	52
13	MP6	X	40.97	0
14	MP6	Z	-70.97	0
15	MP6	X	40.97	52
16	MP6	Z	-70.97	52
17	MP6	X	15.41	40
18	MP6	Z	-26.7	40
19	MP6	X	15.41	40
20	MP6	Z	-26.7	40
21	MP1	X	30.96	10
22	MP1	Z	-53.63	10
23	MP2	X	27.74	30
24	MP2	Z	-48.05	30
25	MP1	X	41.54	10
26	MP1	Z	-71.95	10
27	MP8	X	50.94	0
28	MP8	Z	-88.24	0
29	MP8	X	50.94	54
30	MP8	Z	-88.24	54
31	MP7	X	47.31	0
32	MP7	Z	-81.94	0
33	MP7	X	47.31	54
34	MP7	Z	-81.94	54
35	MP10	X	52.63	0
36	MP10	Z	-91.15	0
37	MP10	X	52.63	52
38	MP10	Z	-91.15	52
39	MP12	X	24.67	0
40	MP12	Z	-42.73	0
41	MP12	X	24.67	52
42	MP12	Z	-42.73	52

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
43	MP12	X	5.85	40
44	MP12	Z	-10.13	40
45	MP12	X	5.85	40
46	MP12	Z	-10.13	40
47	MP7	X	23.76	10
48	MP7	Z	-41.15	10
49	MP8	X	17.84	30
50	MP8	Z	-30.9	30
51	MP7	X	28.11	10
52	MP7	Z	-48.68	10
53	MP14	X	90.13	0
54	MP14	Z	-156.11	0
55	MP14	X	90.13	54
56	MP14	Z	-156.11	54
57	MP13	X	92.13	0
58	MP13	Z	-159.58	0
59	MP13	X	92.13	54
60	MP13	Z	-159.58	54
61	MP16	X	71.44	0
62	MP16	Z	-123.74	0
63	MP16	X	71.44	52
64	MP16	Z	-123.74	52
65	MP18	X	40.97	0
66	MP18	Z	-70.97	0
67	MP18	X	40.97	52
68	MP18	Z	-70.97	52
69	MP18	X	15.41	40
70	MP18	Z	-26.7	40
71	MP18	X	15.41	40
72	MP18	Z	-26.7	40
73	MP13	X	30.96	10
74	MP13	Z	-53.63	10
75	MP14	X	27.74	30
76	MP14	Z	-48.05	30
77	MP13	X	41.54	10
78	MP13	Z	-71.95	10

Member Point Loads (BLC 16 : Ice Weight)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	Y	-94.63	0
2	MP2	Y	-94.63	54
3	MP1	Y	-93.327	0

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
4	MP1	Y	-93.327	54
5	MP4	Y	-80.093	0
6	MP4	Y	-80.093	52
7	MP6	Y	-42.715	0
8	MP6	Y	-42.715	52
9	MP6	Y	-20.157	40
10	MP6	Y	-20.157	40
11	MP1	Y	-48.747	10
12	MP2	Y	-42.072	30
13	MP1	Y	-55.297	10
14	MP8	Y	-94.63	0
15	MP8	Y	-94.63	54
16	MP7	Y	-93.327	0
17	MP7	Y	-93.327	54
18	MP10	Y	-80.093	0
19	MP10	Y	-80.093	52
20	MP12	Y	-42.715	0
21	MP12	Y	-42.715	52
22	MP12	Y	-20.157	40
23	MP12	Y	-20.157	40
24	MP7	Y	-48.747	10
25	MP8	Y	-42.072	30
26	MP7	Y	-55.297	10
27	MP14	Y	-94.63	0
28	MP14	Y	-94.63	54
29	MP13	Y	-93.327	0
30	MP13	Y	-93.327	54
31	MP16	Y	-80.093	0
32	MP16	Y	-80.093	52
33	MP18	Y	-42.715	0
34	MP18	Y	-42.715	52
35	MP18	Y	-20.157	40
36	MP18	Y	-20.157	40
37	MP13	Y	-48.747	10
38	MP14	Y	-42.072	30
39	MP13	Y	-55.297	10

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	0	0
2	MP2	Z	-19.23	0
3	MP2	X	0	54

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
4	MP2	Z	-19.23	54
5	MP1	X	0	0
6	MP1	Z	-19.02	0
7	MP1	X	0	54
8	MP1	Z	-19.02	54
9	MP4	X	0	0
10	MP4	Z	-15.15	0
11	MP4	X	0	52
12	MP4	Z	-15.15	52
13	MP6	X	0	0
14	MP6	Z	-10.18	0
15	MP6	X	0	52
16	MP6	Z	-10.18	52
17	MP6	X	0	40
18	MP6	Z	-5.16	40
19	MP6	X	0	40
20	MP6	Z	-5.16	40
21	MP1	X	0	10
22	MP1	Z	-7.31	10
23	MP2	X	0	30
24	MP2	Z	-6.81	30
25	MP1	X	0	10
26	MP1	Z	-10.2	10
27	MP8	X	0	0
28	MP8	Z	-14.03	0
29	MP8	X	0	54
30	MP8	Z	-14.03	54
31	MP7	X	0	0
32	MP7	Z	-13.94	0
33	MP7	X	0	54
34	MP7	Z	-13.94	54
35	MP10	X	0	0
36	MP10	Z	-13.54	0
37	MP10	X	0	52
38	MP10	Z	-13.54	52
39	MP12	X	0	0
40	MP12	Z	-8.18	0
41	MP12	X	0	52
42	MP12	Z	-8.18	52
43	MP12	X	0	40
44	MP12	Z	-3.25	40
45	MP12	X	0	40

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
46	MP12	Z	-3.25	40
47	MP7	X	0	10
48	MP7	Z	-6.57	10
49	MP8	X	0	30
50	MP8	Z	-5.76	30
51	MP7	X	0	10
52	MP7	Z	-8.81	10
53	MP14	X	0	0
54	MP14	Z	-14.03	0
55	MP14	X	0	54
56	MP14	Z	-14.03	54
57	MP13	X	0	0
58	MP13	Z	-13.94	0
59	MP13	X	0	54
60	MP13	Z	-13.94	54
61	MP16	X	0	0
62	MP16	Z	-13.54	0
63	MP16	X	0	52
64	MP16	Z	-13.54	52
65	MP18	X	0	0
66	MP18	Z	-8.18	0
67	MP18	X	0	52
68	MP18	Z	-8.18	52
69	MP18	X	0	40
70	MP18	Z	-3.25	40
71	MP18	X	0	40
72	MP18	Z	-3.25	40
73	MP13	X	0	10
74	MP13	Z	-6.57	10
75	MP14	X	0	30
76	MP14	Z	-5.76	30
77	MP13	X	0	10
78	MP13	Z	-8.81	10

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	-8.75	0
2	MP2	Z	-15.15	0
3	MP2	X	-8.75	54
4	MP2	Z	-15.15	54
5	MP1	X	-8.66	0
6	MP1	Z	-15	0

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
7	MP1	X	-8.66	54
8	MP1	Z	-15	54
9	MP4	X	-7.31	0
10	MP4	Z	-12.66	0
11	MP4	X	-7.31	52
12	MP4	Z	-12.66	52
13	MP6	X	-4.76	0
14	MP6	Z	-8.24	0
15	MP6	X	-4.76	52
16	MP6	Z	-8.24	52
17	MP6	X	-2.26	40
18	MP6	Z	-3.92	40
19	MP6	X	-2.26	40
20	MP6	Z	-3.92	40
21	MP1	X	-3.53	10
22	MP1	Z	-6.12	10
23	MP2	X	-3.23	30
24	MP2	Z	-5.6	30
25	MP1	X	-4.87	10
26	MP1	Z	-8.43	10
27	MP8	X	-8.75	0
28	MP8	Z	-15.15	0
29	MP8	X	-8.75	54
30	MP8	Z	-15.15	54
31	MP7	X	-8.66	0
32	MP7	Z	-15	0
33	MP7	X	-8.66	54
34	MP7	Z	-15	54
35	MP10	X	-7.31	0
36	MP10	Z	-12.66	0
37	MP10	X	-7.31	52
38	MP10	Z	-12.66	52
39	MP12	X	-4.76	0
40	MP12	Z	-8.24	0
41	MP12	X	-4.76	52
42	MP12	Z	-8.24	52
43	MP12	X	-2.26	40
44	MP12	Z	-3.92	40
45	MP12	X	-2.26	40
46	MP12	Z	-3.92	40
47	MP7	X	-3.53	10
48	MP7	Z	-6.12	10

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
49	MP8	X	-3.23	30
50	MP8	Z	-5.6	30
51	MP7	X	-4.87	10
52	MP7	Z	-8.43	10
53	MP14	X	-6.15	0
54	MP14	Z	-10.65	0
55	MP14	X	-6.15	54
56	MP14	Z	-10.65	54
57	MP13	X	-6.12	0
58	MP13	Z	-10.6	0
59	MP13	X	-6.12	54
60	MP13	Z	-10.6	54
61	MP16	X	-6.5	0
62	MP16	Z	-11.27	0
63	MP16	X	-6.5	52
64	MP16	Z	-11.27	52
65	MP18	X	-3.76	0
66	MP18	Z	-6.51	0
67	MP18	X	-3.76	52
68	MP18	Z	-6.51	52
69	MP18	X	-1.31	40
70	MP18	Z	-2.26	40
71	MP18	X	-1.31	40
72	MP18	Z	-2.26	40
73	MP13	X	-3.16	10
74	MP13	Z	-5.48	10
75	MP14	X	-2.7	30
76	MP14	Z	-4.68	30
77	MP13	X	-4.17	10
78	MP13	Z	-7.22	10

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	-12.15	0
2	MP2	Z	-7.01	0
3	MP2	X	-12.15	54
4	MP2	Z	-7.01	54
5	MP1	X	-12.07	0
6	MP1	Z	-6.97	0
7	MP1	X	-12.07	54
8	MP1	Z	-6.97	54
9	MP4	X	-11.73	0

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
10	MP4	Z	-6.77	0
11	MP4	X	-11.73	52
12	MP4	Z	-6.77	52
13	MP6	X	-7.09	0
14	MP6	Z	-4.09	0
15	MP6	X	-7.09	52
16	MP6	Z	-4.09	52
17	MP6	X	-2.81	40
18	MP6	Z	-1.62	40
19	MP6	X	-2.81	40
20	MP6	Z	-1.62	40
21	MP1	X	-5.69	10
22	MP1	Z	-3.29	10
23	MP2	X	-4.99	30
24	MP2	Z	-2.88	30
25	MP1	X	-7.63	10
26	MP1	Z	-4.4	10
27	MP8	X	-16.66	0
28	MP8	Z	-9.62	0
29	MP8	X	-16.66	54
30	MP8	Z	-9.62	54
31	MP7	X	-16.47	0
32	MP7	Z	-9.51	0
33	MP7	X	-16.47	54
34	MP7	Z	-9.51	54
35	MP10	X	-13.12	0
36	MP10	Z	-7.58	0
37	MP10	X	-13.12	52
38	MP10	Z	-7.58	52
39	MP12	X	-8.82	0
40	MP12	Z	-5.09	0
41	MP12	X	-8.82	52
42	MP12	Z	-5.09	52
43	MP12	X	-4.47	40
44	MP12	Z	-2.58	40
45	MP12	X	-4.47	40
46	MP12	Z	-2.58	40
47	MP7	X	-6.33	10
48	MP7	Z	-3.65	10
49	MP8	X	-5.9	30
50	MP8	Z	-3.41	30
51	MP7	X	-8.83	10

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
52	MP7	Z	-5.1	10
53	MP14	X	-12.15	0
54	MP14	Z	-7.01	0
55	MP14	X	-12.15	54
56	MP14	Z	-7.01	54
57	MP13	X	-12.07	0
58	MP13	Z	-6.97	0
59	MP13	X	-12.07	54
60	MP13	Z	-6.97	54
61	MP16	X	-11.73	0
62	MP16	Z	-6.77	0
63	MP16	X	-11.73	52
64	MP16	Z	-6.77	52
65	MP18	X	-7.09	0
66	MP18	Z	-4.09	0
67	MP18	X	-7.09	52
68	MP18	Z	-4.09	52
69	MP18	X	-2.81	40
70	MP18	Z	-1.62	40
71	MP18	X	-2.81	40
72	MP18	Z	-1.62	40
73	MP13	X	-5.69	10
74	MP13	Z	-3.29	10
75	MP14	X	-4.99	30
76	MP14	Z	-2.88	30
77	MP13	X	-7.63	10
78	MP13	Z	-4.4	10

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	-12.29	0
2	MP2	Z	0	0
3	MP2	X	-12.29	54
4	MP2	Z	0	54
5	MP1	X	-12.24	0
6	MP1	Z	0	0
7	MP1	X	-12.24	54
8	MP1	Z	0	54
9	MP4	X	-13.01	0
10	MP4	Z	0	0
11	MP4	X	-13.01	52
12	MP4	Z	0	52

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
13	MP6	X	-7.52	0
14	MP6	Z	0	0
15	MP6	X	-7.52	52
16	MP6	Z	0	52
17	MP6	X	-2.61	40
18	MP6	Z	0	40
19	MP6	X	-2.61	40
20	MP6	Z	0	40
21	MP1	X	-6.33	10
22	MP1	Z	0	10
23	MP2	X	-5.41	30
24	MP2	Z	0	30
25	MP1	X	-8.34	10
26	MP1	Z	0	10
27	MP8	X	-17.5	0
28	MP8	Z	0	0
29	MP8	X	-17.5	54
30	MP8	Z	0	54
31	MP7	X	-17.33	0
32	MP7	Z	0	0
33	MP7	X	-17.33	54
34	MP7	Z	0	54
35	MP10	X	-14.62	0
36	MP10	Z	0	0
37	MP10	X	-14.62	52
38	MP10	Z	0	52
39	MP12	X	-9.52	0
40	MP12	Z	0	0
41	MP12	X	-9.52	52
42	MP12	Z	0	52
43	MP12	X	-4.53	40
44	MP12	Z	0	40
45	MP12	X	-4.53	40
46	MP12	Z	0	40
47	MP7	X	-7.06	10
48	MP7	Z	0	10
49	MP8	X	-6.46	30
50	MP8	Z	0	30
51	MP7	X	-9.73	10
52	MP7	Z	0	10
53	MP14	X	-17.5	0
54	MP14	Z	0	0

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
55	MP14	X	-17.5	54
56	MP14	Z	0	54
57	MP13	X	-17.33	0
58	MP13	Z	0	0
59	MP13	X	-17.33	54
60	MP13	Z	0	54
61	MP16	X	-14.62	0
62	MP16	Z	0	0
63	MP16	X	-14.62	52
64	MP16	Z	0	52
65	MP18	X	-9.52	0
66	MP18	Z	0	0
67	MP18	X	-9.52	52
68	MP18	Z	0	52
69	MP18	X	-4.53	40
70	MP18	Z	0	40
71	MP18	X	-4.53	40
72	MP18	Z	0	40
73	MP13	X	-7.06	10
74	MP13	Z	0	10
75	MP14	X	-6.46	30
76	MP14	Z	0	30
77	MP13	X	-9.73	10
78	MP13	Z	0	10

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	-12.15	0
2	MP2	Z	7.01	0
3	MP2	X	-12.15	54
4	MP2	Z	7.01	54
5	MP1	X	-12.07	0
6	MP1	Z	6.97	0
7	MP1	X	-12.07	54
8	MP1	Z	6.97	54
9	MP4	X	-11.73	0
10	MP4	Z	6.77	0
11	MP4	X	-11.73	52
12	MP4	Z	6.77	52
13	MP6	X	-7.09	0
14	MP6	Z	4.09	0
15	MP6	X	-7.09	52

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
16	MP6	Z	4.09	52
17	MP6	X	-2.81	40
18	MP6	Z	1.62	40
19	MP6	X	-2.81	40
20	MP6	Z	1.62	40
21	MP1	X	-5.69	10
22	MP1	Z	3.29	10
23	MP2	X	-4.99	30
24	MP2	Z	2.88	30
25	MP1	X	-7.63	10
26	MP1	Z	4.4	10
27	MP8	X	-12.15	0
28	MP8	Z	7.01	0
29	MP8	X	-12.15	54
30	MP8	Z	7.01	54
31	MP7	X	-12.07	0
32	MP7	Z	6.97	0
33	MP7	X	-12.07	54
34	MP7	Z	6.97	54
35	MP10	X	-11.73	0
36	MP10	Z	6.77	0
37	MP10	X	-11.73	52
38	MP10	Z	6.77	52
39	MP12	X	-7.09	0
40	MP12	Z	4.09	0
41	MP12	X	-7.09	52
42	MP12	Z	4.09	52
43	MP12	X	-2.81	40
44	MP12	Z	1.62	40
45	MP12	X	-2.81	40
46	MP12	Z	1.62	40
47	MP7	X	-5.69	10
48	MP7	Z	3.29	10
49	MP8	X	-4.99	30
50	MP8	Z	2.88	30
51	MP7	X	-7.63	10
52	MP7	Z	4.4	10
53	MP14	X	-16.66	0
54	MP14	Z	9.62	0
55	MP14	X	-16.66	54
56	MP14	Z	9.62	54
57	MP13	X	-16.47	0

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
58	MP13	Z	9.51	0
59	MP13	X	-16.47	54
60	MP13	Z	9.51	54
61	MP16	X	-13.12	0
62	MP16	Z	7.58	0
63	MP16	X	-13.12	52
64	MP16	Z	7.58	52
65	MP18	X	-8.82	0
66	MP18	Z	5.09	0
67	MP18	X	-8.82	52
68	MP18	Z	5.09	52
69	MP18	X	-4.47	40
70	MP18	Z	2.58	40
71	MP18	X	-4.47	40
72	MP18	Z	2.58	40
73	MP13	X	-6.33	10
74	MP13	Z	3.65	10
75	MP14	X	-5.9	30
76	MP14	Z	3.41	30
77	MP13	X	-8.83	10
78	MP13	Z	5.1	10

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	-8.75	0
2	MP2	Z	15.15	0
3	MP2	X	-8.75	54
4	MP2	Z	15.15	54
5	MP1	X	-8.66	0
6	MP1	Z	15	0
7	MP1	X	-8.66	54
8	MP1	Z	15	54
9	MP4	X	-7.31	0
10	MP4	Z	12.66	0
11	MP4	X	-7.31	52
12	MP4	Z	12.66	52
13	MP6	X	-4.76	0
14	MP6	Z	8.24	0
15	MP6	X	-4.76	52
16	MP6	Z	8.24	52
17	MP6	X	-2.26	40
18	MP6	Z	3.92	40

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
19	MP6	X	-2.26	40
20	MP6	Z	3.92	40
21	MP1	X	-3.53	10
22	MP1	Z	6.12	10
23	MP2	X	-3.23	30
24	MP2	Z	5.6	30
25	MP1	X	-4.87	10
26	MP1	Z	8.43	10
27	MP8	X	-6.15	0
28	MP8	Z	10.65	0
29	MP8	X	-6.15	54
30	MP8	Z	10.65	54
31	MP7	X	-6.12	0
32	MP7	Z	10.6	0
33	MP7	X	-6.12	54
34	MP7	Z	10.6	54
35	MP10	X	-6.5	0
36	MP10	Z	11.27	0
37	MP10	X	-6.5	52
38	MP10	Z	11.27	52
39	MP12	X	-3.76	0
40	MP12	Z	6.51	0
41	MP12	X	-3.76	52
42	MP12	Z	6.51	52
43	MP12	X	-1.31	40
44	MP12	Z	2.26	40
45	MP12	X	-1.31	40
46	MP12	Z	2.26	40
47	MP7	X	-3.16	10
48	MP7	Z	5.48	10
49	MP8	X	-2.7	30
50	MP8	Z	4.68	30
51	MP7	X	-4.17	10
52	MP7	Z	7.22	10
53	MP14	X	-8.75	0
54	MP14	Z	15.15	0
55	MP14	X	-8.75	54
56	MP14	Z	15.15	54
57	MP13	X	-8.66	0
58	MP13	Z	15	0
59	MP13	X	-8.66	54
60	MP13	Z	15	54

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
61	MP16	X	-7.31	0
62	MP16	Z	12.66	0
63	MP16	X	-7.31	52
64	MP16	Z	12.66	52
65	MP18	X	-4.76	0
66	MP18	Z	8.24	0
67	MP18	X	-4.76	52
68	MP18	Z	8.24	52
69	MP18	X	-2.26	40
70	MP18	Z	3.92	40
71	MP18	X	-2.26	40
72	MP18	Z	3.92	40
73	MP13	X	-3.53	10
74	MP13	Z	6.12	10
75	MP14	X	-3.23	30
76	MP14	Z	5.6	30
77	MP13	X	-4.87	10
78	MP13	Z	8.43	10

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	0	0
2	MP2	Z	19.23	0
3	MP2	X	0	54
4	MP2	Z	19.23	54
5	MP1	X	0	0
6	MP1	Z	19.02	0
7	MP1	X	0	54
8	MP1	Z	19.02	54
9	MP4	X	0	0
10	MP4	Z	15.15	0
11	MP4	X	0	52
12	MP4	Z	15.15	52
13	MP6	X	0	0
14	MP6	Z	10.18	0
15	MP6	X	0	52
16	MP6	Z	10.18	52
17	MP6	X	0	40
18	MP6	Z	5.16	40
19	MP6	X	0	40
20	MP6	Z	5.16	40
21	MP1	X	0	10

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
22	MP1	Z	7.31	10
23	MP2	X	0	30
24	MP2	Z	6.81	30
25	MP1	X	0	10
26	MP1	Z	10.2	10
27	MP8	X	0	0
28	MP8	Z	14.03	0
29	MP8	X	0	54
30	MP8	Z	14.03	54
31	MP7	X	0	0
32	MP7	Z	13.94	0
33	MP7	X	0	54
34	MP7	Z	13.94	54
35	MP10	X	0	0
36	MP10	Z	13.54	0
37	MP10	X	0	52
38	MP10	Z	13.54	52
39	MP12	X	0	0
40	MP12	Z	8.18	0
41	MP12	X	0	52
42	MP12	Z	8.18	52
43	MP12	X	0	40
44	MP12	Z	3.25	40
45	MP12	X	0	40
46	MP12	Z	3.25	40
47	MP7	X	0	10
48	MP7	Z	6.57	10
49	MP8	X	0	30
50	MP8	Z	5.76	30
51	MP7	X	0	10
52	MP7	Z	8.81	10
53	MP14	X	0	0
54	MP14	Z	14.03	0
55	MP14	X	0	54
56	MP14	Z	14.03	54
57	MP13	X	0	0
58	MP13	Z	13.94	0
59	MP13	X	0	54
60	MP13	Z	13.94	54
61	MP16	X	0	0
62	MP16	Z	13.54	0
63	MP16	X	0	52

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
64	MP16	Z	13.54	52
65	MP18	X	0	0
66	MP18	Z	8.18	0
67	MP18	X	0	52
68	MP18	Z	8.18	52
69	MP18	X	0	40
70	MP18	Z	3.25	40
71	MP18	X	0	40
72	MP18	Z	3.25	40
73	MP13	X	0	10
74	MP13	Z	6.57	10
75	MP14	X	0	30
76	MP14	Z	5.76	30
77	MP13	X	0	10
78	MP13	Z	8.81	10

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	8.75	0
2	MP2	Z	15.15	0
3	MP2	X	8.75	54
4	MP2	Z	15.15	54
5	MP1	X	8.66	0
6	MP1	Z	15	0
7	MP1	X	8.66	54
8	MP1	Z	15	54
9	MP4	X	7.31	0
10	MP4	Z	12.66	0
11	MP4	X	7.31	52
12	MP4	Z	12.66	52
13	MP6	X	4.76	0
14	MP6	Z	8.24	0
15	MP6	X	4.76	52
16	MP6	Z	8.24	52
17	MP6	X	2.26	40
18	MP6	Z	3.92	40
19	MP6	X	2.26	40
20	MP6	Z	3.92	40
21	MP1	X	3.53	10
22	MP1	Z	6.12	10
23	MP2	X	3.23	30
24	MP2	Z	5.6	30

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
25	MP1	X	4.87	10
26	MP1	Z	8.43	10
27	MP8	X	8.75	0
28	MP8	Z	15.15	0
29	MP8	X	8.75	54
30	MP8	Z	15.15	54
31	MP7	X	8.66	0
32	MP7	Z	15	0
33	MP7	X	8.66	54
34	MP7	Z	15	54
35	MP10	X	7.31	0
36	MP10	Z	12.66	0
37	MP10	X	7.31	52
38	MP10	Z	12.66	52
39	MP12	X	4.76	0
40	MP12	Z	8.24	0
41	MP12	X	4.76	52
42	MP12	Z	8.24	52
43	MP12	X	2.26	40
44	MP12	Z	3.92	40
45	MP12	X	2.26	40
46	MP12	Z	3.92	40
47	MP7	X	3.53	10
48	MP7	Z	6.12	10
49	MP8	X	3.23	30
50	MP8	Z	5.6	30
51	MP7	X	4.87	10
52	MP7	Z	8.43	10
53	MP14	X	6.15	0
54	MP14	Z	10.65	0
55	MP14	X	6.15	54
56	MP14	Z	10.65	54
57	MP13	X	6.12	0
58	MP13	Z	10.6	0
59	MP13	X	6.12	54
60	MP13	Z	10.6	54
61	MP16	X	6.5	0
62	MP16	Z	11.27	0
63	MP16	X	6.5	52
64	MP16	Z	11.27	52
65	MP18	X	3.76	0
66	MP18	Z	6.51	0

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
67	MP18	X	3.76	52
68	MP18	Z	6.51	52
69	MP18	X	1.31	40
70	MP18	Z	2.26	40
71	MP18	X	1.31	40
72	MP18	Z	2.26	40
73	MP13	X	3.16	10
74	MP13	Z	5.48	10
75	MP14	X	2.7	30
76	MP14	Z	4.68	30
77	MP13	X	4.17	10
78	MP13	Z	7.22	10

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	12.15	0
2	MP2	Z	7.01	0
3	MP2	X	12.15	54
4	MP2	Z	7.01	54
5	MP1	X	12.07	0
6	MP1	Z	6.97	0
7	MP1	X	12.07	54
8	MP1	Z	6.97	54
9	MP4	X	11.73	0
10	MP4	Z	6.77	0
11	MP4	X	11.73	52
12	MP4	Z	6.77	52
13	MP6	X	7.09	0
14	MP6	Z	4.09	0
15	MP6	X	7.09	52
16	MP6	Z	4.09	52
17	MP6	X	2.81	40
18	MP6	Z	1.62	40
19	MP6	X	2.81	40
20	MP6	Z	1.62	40
21	MP1	X	5.69	10
22	MP1	Z	3.29	10
23	MP2	X	4.99	30
24	MP2	Z	2.88	30
25	MP1	X	7.63	10
26	MP1	Z	4.4	10
27	MP8	X	16.66	0

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
28	MP8	Z	9.62	0
29	MP8	X	16.66	54
30	MP8	Z	9.62	54
31	MP7	X	16.47	0
32	MP7	Z	9.51	0
33	MP7	X	16.47	54
34	MP7	Z	9.51	54
35	MP10	X	13.12	0
36	MP10	Z	7.58	0
37	MP10	X	13.12	52
38	MP10	Z	7.58	52
39	MP12	X	8.82	0
40	MP12	Z	5.09	0
41	MP12	X	8.82	52
42	MP12	Z	5.09	52
43	MP12	X	4.47	40
44	MP12	Z	2.58	40
45	MP12	X	4.47	40
46	MP12	Z	2.58	40
47	MP7	X	6.33	10
48	MP7	Z	3.65	10
49	MP8	X	5.9	30
50	MP8	Z	3.41	30
51	MP7	X	8.83	10
52	MP7	Z	5.1	10
53	MP14	X	12.15	0
54	MP14	Z	7.01	0
55	MP14	X	12.15	54
56	MP14	Z	7.01	54
57	MP13	X	12.07	0
58	MP13	Z	6.97	0
59	MP13	X	12.07	54
60	MP13	Z	6.97	54
61	MP16	X	11.73	0
62	MP16	Z	6.77	0
63	MP16	X	11.73	52
64	MP16	Z	6.77	52
65	MP18	X	7.09	0
66	MP18	Z	4.09	0
67	MP18	X	7.09	52
68	MP18	Z	4.09	52
69	MP18	X	2.81	40

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
70	MP18	Z	1.62	40
71	MP18	X	2.81	40
72	MP18	Z	1.62	40
73	MP13	X	5.69	10
74	MP13	Z	3.29	10
75	MP14	X	4.99	30
76	MP14	Z	2.88	30
77	MP13	X	7.63	10
78	MP13	Z	4.4	10

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	12.29	0
2	MP2	Z	0	0
3	MP2	X	12.29	54
4	MP2	Z	0	54
5	MP1	X	12.24	0
6	MP1	Z	0	0
7	MP1	X	12.24	54
8	MP1	Z	0	54
9	MP4	X	13.01	0
10	MP4	Z	0	0
11	MP4	X	13.01	52
12	MP4	Z	0	52
13	MP6	X	7.52	0
14	MP6	Z	0	0
15	MP6	X	7.52	52
16	MP6	Z	0	52
17	MP6	X	2.61	40
18	MP6	Z	0	40
19	MP6	X	2.61	40
20	MP6	Z	0	40
21	MP1	X	6.33	10
22	MP1	Z	0	10
23	MP2	X	5.41	30
24	MP2	Z	0	30
25	MP1	X	8.34	10
26	MP1	Z	0	10
27	MP8	X	17.5	0
28	MP8	Z	0	0
29	MP8	X	17.5	54
30	MP8	Z	0	54

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
31	MP7	X	17.33	0
32	MP7	Z	0	0
33	MP7	X	17.33	54
34	MP7	Z	0	54
35	MP10	X	14.62	0
36	MP10	Z	0	0
37	MP10	X	14.62	52
38	MP10	Z	0	52
39	MP12	X	9.52	0
40	MP12	Z	0	0
41	MP12	X	9.52	52
42	MP12	Z	0	52
43	MP12	X	4.53	40
44	MP12	Z	0	40
45	MP12	X	4.53	40
46	MP12	Z	0	40
47	MP7	X	7.06	10
48	MP7	Z	0	10
49	MP8	X	6.46	30
50	MP8	Z	0	30
51	MP7	X	9.73	10
52	MP7	Z	0	10
53	MP14	X	17.5	0
54	MP14	Z	0	0
55	MP14	X	17.5	54
56	MP14	Z	0	54
57	MP13	X	17.33	0
58	MP13	Z	0	0
59	MP13	X	17.33	54
60	MP13	Z	0	54
61	MP16	X	14.62	0
62	MP16	Z	0	0
63	MP16	X	14.62	52
64	MP16	Z	0	52
65	MP18	X	9.52	0
66	MP18	Z	0	0
67	MP18	X	9.52	52
68	MP18	Z	0	52
69	MP18	X	4.53	40
70	MP18	Z	0	40
71	MP18	X	4.53	40
72	MP18	Z	0	40

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
73	MP13	X	7.06	10
74	MP13	Z	0	10
75	MP14	X	6.46	30
76	MP14	Z	0	30
77	MP13	X	9.73	10
78	MP13	Z	0	10

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	12.15	0
2	MP2	Z	-7.01	0
3	MP2	X	12.15	54
4	MP2	Z	-7.01	54
5	MP1	X	12.07	0
6	MP1	Z	-6.97	0
7	MP1	X	12.07	54
8	MP1	Z	-6.97	54
9	MP4	X	11.73	0
10	MP4	Z	-6.77	0
11	MP4	X	11.73	52
12	MP4	Z	-6.77	52
13	MP6	X	7.09	0
14	MP6	Z	-4.09	0
15	MP6	X	7.09	52
16	MP6	Z	-4.09	52
17	MP6	X	2.81	40
18	MP6	Z	-1.62	40
19	MP6	X	2.81	40
20	MP6	Z	-1.62	40
21	MP1	X	5.69	10
22	MP1	Z	-3.29	10
23	MP2	X	4.99	30
24	MP2	Z	-2.88	30
25	MP1	X	7.63	10
26	MP1	Z	-4.4	10
27	MP8	X	12.15	0
28	MP8	Z	-7.01	0
29	MP8	X	12.15	54
30	MP8	Z	-7.01	54
31	MP7	X	12.07	0
32	MP7	Z	-6.97	0
33	MP7	X	12.07	54

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
34	MP7	Z	-6.97	54
35	MP10	X	11.73	0
36	MP10	Z	-6.77	0
37	MP10	X	11.73	52
38	MP10	Z	-6.77	52
39	MP12	X	7.09	0
40	MP12	Z	-4.09	0
41	MP12	X	7.09	52
42	MP12	Z	-4.09	52
43	MP12	X	2.81	40
44	MP12	Z	-1.62	40
45	MP12	X	2.81	40
46	MP12	Z	-1.62	40
47	MP7	X	5.69	10
48	MP7	Z	-3.29	10
49	MP8	X	4.99	30
50	MP8	Z	-2.88	30
51	MP7	X	7.63	10
52	MP7	Z	-4.4	10
53	MP14	X	16.66	0
54	MP14	Z	-9.62	0
55	MP14	X	16.66	54
56	MP14	Z	-9.62	54
57	MP13	X	16.47	0
58	MP13	Z	-9.51	0
59	MP13	X	16.47	54
60	MP13	Z	-9.51	54
61	MP16	X	13.12	0
62	MP16	Z	-7.58	0
63	MP16	X	13.12	52
64	MP16	Z	-7.58	52
65	MP18	X	8.82	0
66	MP18	Z	-5.09	0
67	MP18	X	8.82	52
68	MP18	Z	-5.09	52
69	MP18	X	4.47	40
70	MP18	Z	-2.58	40
71	MP18	X	4.47	40
72	MP18	Z	-2.58	40
73	MP13	X	6.33	10
74	MP13	Z	-3.65	10
75	MP14	X	5.9	30

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
76	MP14	Z	-3.41	30
77	MP13	X	8.83	10
78	MP13	Z	-5.1	10

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	8.75	0
2	MP2	Z	-15.15	0
3	MP2	X	8.75	54
4	MP2	Z	-15.15	54
5	MP1	X	8.66	0
6	MP1	Z	-15	0
7	MP1	X	8.66	54
8	MP1	Z	-15	54
9	MP4	X	7.31	0
10	MP4	Z	-12.66	0
11	MP4	X	7.31	52
12	MP4	Z	-12.66	52
13	MP6	X	4.76	0
14	MP6	Z	-8.24	0
15	MP6	X	4.76	52
16	MP6	Z	-8.24	52
17	MP6	X	2.26	40
18	MP6	Z	-3.92	40
19	MP6	X	2.26	40
20	MP6	Z	-3.92	40
21	MP1	X	3.53	10
22	MP1	Z	-6.12	10
23	MP2	X	3.23	30
24	MP2	Z	-5.6	30
25	MP1	X	4.87	10
26	MP1	Z	-8.43	10
27	MP8	X	6.15	0
28	MP8	Z	-10.65	0
29	MP8	X	6.15	54
30	MP8	Z	-10.65	54
31	MP7	X	6.12	0
32	MP7	Z	-10.6	0
33	MP7	X	6.12	54
34	MP7	Z	-10.6	54
35	MP10	X	6.5	0
36	MP10	Z	-11.27	0

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
37	MP10	X	6.5	52
38	MP10	Z	-11.27	52
39	MP12	X	3.76	0
40	MP12	Z	-6.51	0
41	MP12	X	3.76	52
42	MP12	Z	-6.51	52
43	MP12	X	1.31	40
44	MP12	Z	-2.26	40
45	MP12	X	1.31	40
46	MP12	Z	-2.26	40
47	MP7	X	3.16	10
48	MP7	Z	-5.48	10
49	MP8	X	2.7	30
50	MP8	Z	-4.68	30
51	MP7	X	4.17	10
52	MP7	Z	-7.22	10
53	MP14	X	8.75	0
54	MP14	Z	-15.15	0
55	MP14	X	8.75	54
56	MP14	Z	-15.15	54
57	MP13	X	8.66	0
58	MP13	Z	-15	0
59	MP13	X	8.66	54
60	MP13	Z	-15	54
61	MP16	X	7.31	0
62	MP16	Z	-12.66	0
63	MP16	X	7.31	52
64	MP16	Z	-12.66	52
65	MP18	X	4.76	0
66	MP18	Z	-8.24	0
67	MP18	X	4.76	52
68	MP18	Z	-8.24	52
69	MP18	X	2.26	40
70	MP18	Z	-3.92	40
71	MP18	X	2.26	40
72	MP18	Z	-3.92	40
73	MP13	X	3.53	10
74	MP13	Z	-6.12	10
75	MP14	X	3.23	30
76	MP14	Z	-5.6	30
77	MP13	X	4.87	10
78	MP13	Z	-8.43	10

Member Point Loads (BLC 31 : Seismic Load Z)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	Z	-3.099	0
2	MP2	Z	-3.099	54
3	MP1	Z	-3.875	0
4	MP1	Z	-3.875	54
5	MP4	Z	-2.338	0
6	MP4	Z	-2.338	52
7	MP6	Z	-1.708	0
8	MP6	Z	-1.708	52
9	MP6	Z	-1.376	40
10	MP6	Z	-1.376	40
11	MP1	Z	-6.93	10
12	MP2	Z	-5.846	30
13	MP1	Z	-5.163	10
14	MP8	Z	-3.099	0
15	MP8	Z	-3.099	54
16	MP7	Z	-3.875	0
17	MP7	Z	-3.875	54
18	MP10	Z	-2.338	0
19	MP10	Z	-2.338	52
20	MP12	Z	-1.708	0
21	MP12	Z	-1.708	52
22	MP12	Z	-1.376	40
23	MP12	Z	-1.376	40
24	MP7	Z	-6.93	10
25	MP8	Z	-5.846	30
26	MP7	Z	-5.163	10
27	MP14	Z	-3.099	0
28	MP14	Z	-3.099	54
29	MP13	Z	-3.875	0
30	MP13	Z	-3.875	54
31	MP16	Z	-2.338	0
32	MP16	Z	-2.338	52
33	MP18	Z	-1.708	0
34	MP18	Z	-1.708	52
35	MP18	Z	-1.376	40
36	MP18	Z	-1.376	40
37	MP13	Z	-6.93	10
38	MP14	Z	-5.846	30
39	MP13	Z	-5.163	10

Member Point Loads (BLC 32 : Seismic Load X)

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

Member Point Loads (BLC 32 : Seismic Load X) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	X	-3.099	0
2	MP2	X	-3.099	54
3	MP1	X	-3.875	0
4	MP1	X	-3.875	54
5	MP4	X	-2.338	0
6	MP4	X	-2.338	52
7	MP6	X	-1.708	0
8	MP6	X	-1.708	52
9	MP6	X	-1.376	40
10	MP6	X	-1.376	40
11	MP1	X	-6.93	10
12	MP2	X	-5.846	30
13	MP1	X	-5.163	10
14	MP8	X	-3.099	0
15	MP8	X	-3.099	54
16	MP7	X	-3.875	0
17	MP7	X	-3.875	54
18	MP10	X	-2.338	0
19	MP10	X	-2.338	52
20	MP12	X	-1.708	0
21	MP12	X	-1.708	52
22	MP12	X	-1.376	40
23	MP12	X	-1.376	40
24	MP7	X	-6.93	10
25	MP8	X	-5.846	30
26	MP7	X	-5.163	10
27	MP14	X	-3.099	0
28	MP14	X	-3.099	54
29	MP13	X	-3.875	0
30	MP13	X	-3.875	54
31	MP16	X	-2.338	0
32	MP16	X	-2.338	52
33	MP18	X	-1.708	0
34	MP18	X	-1.708	52
35	MP18	X	-1.376	40
36	MP18	X	-1.376	40
37	MP13	X	-6.93	10
38	MP14	X	-5.846	30
39	MP13	X	-5.163	10

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magn..	Start Loca..	End Locat..
1	M1	SZ	-44.932	-44.932	0	%100
2	M8	SZ	-44.932	-44.932	0	%100
3	M9	SZ	-44.932	-44.932	0	%100
4	M10	SZ	-44.932	-44.932	0	%100
5	M11	SZ	-44.932	-44.932	0	%100
6	S1	SZ	-74.886	-74.886	0	%100
7	H1	SZ	-44.932	-44.932	0	%100
8	M28	SZ	-74.886	-74.886	0	%100
9	M29	SZ	0	0	0	%100
10	M30	SZ	0	0	0	%100
11	H3	SZ	-44.932	-44.932	0	%100
12	H2	SZ	-44.932	-44.932	0	%100
13	P3	SZ	-74.886	-74.886	0	%100
14	P1	SZ	-74.886	-74.886	0	%100
15	P2	SZ	-74.886	-74.886	0	%100
16	M29A	SZ	-74.886	-74.886	0	%100
17	M30A	SZ	-74.886	-74.886	0	%100
18	M25A	SZ	-44.932	-44.932	0	%100
19	M26	SZ	-44.932	-44.932	0	%100
20	M27	SZ	-44.932	-44.932	0	%100
21	M28A	SZ	-44.932	-44.932	0	%100
22	M27A	SZ	-74.886	-74.886	0	%100
23	M28B	SZ	-74.886	-74.886	0	%100
24	M29B	SZ	-74.886	-74.886	0	%100
25	M30B	SZ	-44.932	-44.932	0	%100
26	M31	SZ	-44.932	-44.932	0	%100
27	M32	SZ	-44.932	-44.932	0	%100
28	M33	SZ	-44.932	-44.932	0	%100
29	S2	SZ	-74.886	-74.886	0	%100
30	S3	SZ	-74.886	-74.886	0	%100
31	MP1	SZ	-44.932	-44.932	0	%100
32	M38A	SZ	0	0	0	%100
33	MP2	SZ	-44.932	-44.932	0	%100
34	M34A	SZ	0	0	0	%100
35	MP3	SZ	-44.932	-44.932	0	%100
36	M36	SZ	0	0	0	%100
37	MP4	SZ	-44.932	-44.932	0	%100
38	M38	SZ	0	0	0	%100
39	MP6	SZ	-44.932	-44.932	0	%100
40	M43	SZ	0	0	0	%100
41	MP13	SZ	-44.932	-44.932	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magn..	Start Loca..	End Locat..
42	M45	SZ	0	0	0	%100
43	MP14	SZ	-44.932	-44.932	0	%100
44	M47	SZ	0	0	0	%100
45	MP15	SZ	-44.932	-44.932	0	%100
46	M49	SZ	0	0	0	%100
47	MP16	SZ	-44.932	-44.932	0	%100
48	M51	SZ	0	0	0	%100
49	MP18	SZ	-44.932	-44.932	0	%100
50	M56	SZ	0	0	0	%100
51	MP7	SZ	-44.932	-44.932	0	%100
52	M58	SZ	0	0	0	%100
53	MP8	SZ	-44.932	-44.932	0	%100
54	M60	SZ	0	0	0	%100
55	MP9	SZ	-44.932	-44.932	0	%100
56	M62	SZ	0	0	0	%100
57	MP10	SZ	-44.932	-44.932	0	%100
58	M64	SZ	0	0	0	%100
59	MP12	SZ	-44.932	-44.932	0	%100
60	M69	SZ	0	0	0	%100
61	M70	SZ	-44.932	-44.932	0	%100
62	M71	SZ	-44.932	-44.932	0	%100
63	M72	SZ	-44.932	-44.932	0	%100
64	M73	SZ	-44.932	-44.932	0	%100
65	M74	SZ	-44.932	-44.932	0	%100
66	S4	SZ	-74.886	-74.886	0	%100
67	M76	SZ	-74.886	-74.886	0	%100
68	M77	SZ	0	0	0	%100
69	M78	SZ	0	0	0	%100
70	M79	SZ	-74.886	-74.886	0	%100
71	M80	SZ	-74.886	-74.886	0	%100
72	M81	SZ	-44.932	-44.932	0	%100
73	M82	SZ	-44.932	-44.932	0	%100
74	M83	SZ	-44.932	-44.932	0	%100
75	M84	SZ	-44.932	-44.932	0	%100
76	M85	SZ	-74.886	-74.886	0	%100
77	M86	SZ	-74.886	-74.886	0	%100
78	M87	SZ	-74.886	-74.886	0	%100
79	M88A	SZ	-44.932	-44.932	0	%100
80	M89	SZ	-44.932	-44.932	0	%100
81	M90	SZ	-44.932	-44.932	0	%100
82	M91	SZ	-44.932	-44.932	0	%100
83	S5	SZ	-74.886	-74.886	0	%100

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

	Member Label	Direction	Start Magnitude lb/ft,F,psf	End Magn..	Start Loca..	End Locat..
84	S6	SZ	-74.886	-74.886	0	%100
85	M94	SZ	-44.932	-44.932	0	%100
86	M95A	SZ	-44.932	-44.932	0	%100
87	M96A	SZ	-44.932	-44.932	0	%100
88	M97A	SZ	-44.932	-44.932	0	%100
89	M98	SZ	-44.932	-44.932	0	%100
90	S7	SZ	-74.886	-74.886	0	%100
91	M100	SZ	-74.886	-74.886	0	%100
92	M101	SZ	0	0	0	%100
93	M102	SZ	0	0	0	%100
94	M103	SZ	-74.886	-74.886	0	%100
95	M104	SZ	-74.886	-74.886	0	%100
96	M105	SZ	-44.932	-44.932	0	%100
97	M106	SZ	-44.932	-44.932	0	%100
98	M107	SZ	-44.932	-44.932	0	%100
99	M108	SZ	-44.932	-44.932	0	%100
100	M109	SZ	-74.886	-74.886	0	%100
101	M110	SZ	-74.886	-74.886	0	%100
102	M111	SZ	-74.886	-74.886	0	%100
103	M112	SZ	-44.932	-44.932	0	%100
104	M113	SZ	-44.932	-44.932	0	%100
105	M114	SZ	-44.932	-44.932	0	%100
106	M115	SZ	-44.932	-44.932	0	%100
107	S8	SZ	-74.886	-74.886	0	%100
108	S9	SZ	-74.886	-74.886	0	%100
109	HR1	SZ	-44.932	-44.932	0	%100
110	HR3	SZ	-44.932	-44.932	0	%100
111	HR2	SZ	-44.932	-44.932	0	%100
112	M121	SZ	0	0	0	%100
113	M122	SZ	0	0	0	%100
114	M123	SZ	0	0	0	%100
115	M124	SZ	0	0	0	%100
116	M125	SZ	0	0	0	%100
117	M126	SZ	0	0	0	%100
118	M127	SZ	0	0	0	%100
119	M128	SZ	0	0	0	%100
120	M129	SZ	0	0	0	%100
121	M130	SZ	0	0	0	%100
122	M131	SZ	0	0	0	%100
123	M132	SZ	0	0	0	%100
124	M133	SZ	0	0	0	%100
125	M134	SZ	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magn..	Start Loca..	End Locat..
126	M135	SZ	0	0	0	%100
127	P4	SZ	-74.886	-74.886	0	%100
128	P5	SZ	-74.886	-74.886	0	%100
129	P6	SZ	-74.886	-74.886	0	%100
130	MP19	SZ	-44.932	-44.932	0	%100
131	M140	SZ	0	0	0	%100
132	M141	SZ	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magn..	Start Loca..	End Locat..
1	M1	SX	-44.932	-44.932	0	%100
2	M8	SX	-44.932	-44.932	0	%100
3	M9	SX	-44.932	-44.932	0	%100
4	M10	SX	-44.932	-44.932	0	%100
5	M11	SX	-44.932	-44.932	0	%100
6	S1	SX	-74.886	-74.886	0	%100
7	H1	SX	-44.932	-44.932	0	%100
8	M28	SX	-74.886	-74.886	0	%100
9	M29	SX	0	0	0	%100
10	M30	SX	0	0	0	%100
11	H3	SX	-44.932	-44.932	0	%100
12	H2	SX	-44.932	-44.932	0	%100
13	P3	SX	-74.886	-74.886	0	%100
14	P1	SX	-74.886	-74.886	0	%100
15	P2	SX	-74.886	-74.886	0	%100
16	M29A	SX	-74.886	-74.886	0	%100
17	M30A	SX	-74.886	-74.886	0	%100
18	M25A	SX	-44.932	-44.932	0	%100
19	M26	SX	-44.932	-44.932	0	%100
20	M27	SX	-44.932	-44.932	0	%100
21	M28A	SX	-44.932	-44.932	0	%100
22	M27A	SX	-74.886	-74.886	0	%100
23	M28B	SX	-74.886	-74.886	0	%100
24	M29B	SX	-74.886	-74.886	0	%100
25	M30B	SX	-44.932	-44.932	0	%100
26	M31	SX	-44.932	-44.932	0	%100
27	M32	SX	-44.932	-44.932	0	%100
28	M33	SX	-44.932	-44.932	0	%100
29	S2	SX	-74.886	-74.886	0	%100
30	S3	SX	-74.886	-74.886	0	%100
31	MP1	SX	-44.932	-44.932	0	%100
32	M38A	SX	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magn..	Start Loca..	End Locat..
33	MP2	SX	-44.932	-44.932	0	%100
34	M34A	SX	0	0	0	%100
35	MP3	SX	-44.932	-44.932	0	%100
36	M36	SX	0	0	0	%100
37	MP4	SX	-44.932	-44.932	0	%100
38	M38	SX	0	0	0	%100
39	MP6	SX	-44.932	-44.932	0	%100
40	M43	SX	0	0	0	%100
41	MP13	SX	-44.932	-44.932	0	%100
42	M45	SX	0	0	0	%100
43	MP14	SX	-44.932	-44.932	0	%100
44	M47	SX	0	0	0	%100
45	MP15	SX	-44.932	-44.932	0	%100
46	M49	SX	0	0	0	%100
47	MP16	SX	-44.932	-44.932	0	%100
48	M51	SX	0	0	0	%100
49	MP18	SX	-44.932	-44.932	0	%100
50	M56	SX	0	0	0	%100
51	MP7	SX	-44.932	-44.932	0	%100
52	M58	SX	0	0	0	%100
53	MP8	SX	-44.932	-44.932	0	%100
54	M60	SX	0	0	0	%100
55	MP9	SX	-44.932	-44.932	0	%100
56	M62	SX	0	0	0	%100
57	MP10	SX	-44.932	-44.932	0	%100
58	M64	SX	0	0	0	%100
59	MP12	SX	-44.932	-44.932	0	%100
60	M69	SX	0	0	0	%100
61	M70	SX	-44.932	-44.932	0	%100
62	M71	SX	-44.932	-44.932	0	%100
63	M72	SX	-44.932	-44.932	0	%100
64	M73	SX	-44.932	-44.932	0	%100
65	M74	SX	-44.932	-44.932	0	%100
66	S4	SX	-74.886	-74.886	0	%100
67	M76	SX	-74.886	-74.886	0	%100
68	M77	SX	0	0	0	%100
69	M78	SX	0	0	0	%100
70	M79	SX	-74.886	-74.886	0	%100
71	M80	SX	-74.886	-74.886	0	%100
72	M81	SX	-44.932	-44.932	0	%100
73	M82	SX	-44.932	-44.932	0	%100
74	M83	SX	-44.932	-44.932	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magn..	Start Loca..	End Locat..
75	M84	SX	-44.932	-44.932	0	%100
76	M85	SX	-74.886	-74.886	0	%100
77	M86	SX	-74.886	-74.886	0	%100
78	M87	SX	-74.886	-74.886	0	%100
79	M88A	SX	-44.932	-44.932	0	%100
80	M89	SX	-44.932	-44.932	0	%100
81	M90	SX	-44.932	-44.932	0	%100
82	M91	SX	-44.932	-44.932	0	%100
83	S5	SX	-74.886	-74.886	0	%100
84	S6	SX	-74.886	-74.886	0	%100
85	M94	SX	-44.932	-44.932	0	%100
86	M95A	SX	-44.932	-44.932	0	%100
87	M96A	SX	-44.932	-44.932	0	%100
88	M97A	SX	-44.932	-44.932	0	%100
89	M98	SX	-44.932	-44.932	0	%100
90	S7	SX	-74.886	-74.886	0	%100
91	M100	SX	-74.886	-74.886	0	%100
92	M101	SX	0	0	0	%100
93	M102	SX	0	0	0	%100
94	M103	SX	-74.886	-74.886	0	%100
95	M104	SX	-74.886	-74.886	0	%100
96	M105	SX	-44.932	-44.932	0	%100
97	M106	SX	-44.932	-44.932	0	%100
98	M107	SX	-44.932	-44.932	0	%100
99	M108	SX	-44.932	-44.932	0	%100
100	M109	SX	-74.886	-74.886	0	%100
101	M110	SX	-74.886	-74.886	0	%100
102	M111	SX	-74.886	-74.886	0	%100
103	M112	SX	-44.932	-44.932	0	%100
104	M113	SX	-44.932	-44.932	0	%100
105	M114	SX	-44.932	-44.932	0	%100
106	M115	SX	-44.932	-44.932	0	%100
107	S8	SX	-74.886	-74.886	0	%100
108	S9	SX	-74.886	-74.886	0	%100
109	HR1	SX	-44.932	-44.932	0	%100
110	HR3	SX	-44.932	-44.932	0	%100
111	HR2	SX	-44.932	-44.932	0	%100
112	M121	SX	0	0	0	%100
113	M122	SX	0	0	0	%100
114	M123	SX	0	0	0	%100
115	M124	SX	0	0	0	%100
116	M125	SX	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magn..	Start Loca..	End Locat..
117	M126	SX	0	0	0	%100
118	M127	SX	0	0	0	%100
119	M128	SX	0	0	0	%100
120	M129	SX	0	0	0	%100
121	M130	SX	0	0	0	%100
122	M131	SX	0	0	0	%100
123	M132	SX	0	0	0	%100
124	M133	SX	0	0	0	%100
125	M134	SX	0	0	0	%100
126	M135	SX	0	0	0	%100
127	P4	SX	-74.886	-74.886	0	%100
128	P5	SX	-74.886	-74.886	0	%100
129	P6	SX	-74.886	-74.886	0	%100
130	MP19	SX	-44.932	-44.932	0	%100
131	M140	SX	0	0	0	%100
132	M141	SX	0	0	0	%100

Member Distributed Loads (BLC 16 : Ice Weight)

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magn..	Start Loca..	End Locat..
1	M1	Y	-2.813	-2.813	0	%100
2	M8	Y	-2.813	-2.813	0	%100
3	M9	Y	-2.813	-2.813	0	%100
4	M10	Y	-2.813	-2.813	0	%100
5	M11	Y	-2.813	-2.813	0	%100
6	S1	Y	-11.989	-11.989	0	%100
7	H1	Y	-8.257	-8.257	0	%100
8	M28	Y	-6.213	-6.213	0	%100
9	M29	Y	-1.725	-1.725	0	%100
10	M30	Y	-1.725	-1.725	0	%100
11	H3	Y	-8.257	-8.257	0	%100
12	H2	Y	-8.257	-8.257	0	%100
13	P3	Y	-16.259	-16.259	0	%100
14	P1	Y	-16.259	-16.259	0	%100
15	P2	Y	-16.259	-16.259	0	%100
16	M29A	Y	-6.213	-6.213	0	%100
17	M30A	Y	-6.213	-6.213	0	%100
18	M25A	Y	-2.813	-2.813	0	%100
19	M26	Y	-2.813	-2.813	0	%100
20	M27	Y	-2.813	-2.813	0	%100
21	M28A	Y	-2.813	-2.813	0	%100
22	M27A	Y	-6.213	-6.213	0	%100
23	M28B	Y	-6.213	-6.213	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, psf]	End Magn..	Start Loca..	End Locat..
24	M29B	Y	-6.213	-6.213	0	%100
25	M30B	Y	-3.176	-3.176	0	%100
26	M31	Y	-3.176	-3.176	0	%100
27	M32	Y	-3.176	-3.176	0	%100
28	M33	Y	-3.176	-3.176	0	%100
29	S2	Y	-9.936	-9.936	0	%100
30	S3	Y	-11.989	-11.989	0	%100
31	MP1	Y	-5.172	-5.172	0	%100
32	M38A	Y	-1.725	-1.725	0	%100
33	MP2	Y	-5.172	-5.172	0	%100
34	M34A	Y	-1.725	-1.725	0	%100
35	MP3	Y	-5.172	-5.172	0	%100
36	M36	Y	-1.725	-1.725	0	%100
37	MP4	Y	-5.172	-5.172	0	%100
38	M38	Y	-1.725	-1.725	0	%100
39	MP6	Y	-5.172	-5.172	0	%100
40	M43	Y	-1.725	-1.725	0	%100
41	MP13	Y	-5.172	-5.172	0	%100
42	M45	Y	-1.725	-1.725	0	%100
43	MP14	Y	-5.172	-5.172	0	%100
44	M47	Y	-1.725	-1.725	0	%100
45	MP15	Y	-5.172	-5.172	0	%100
46	M49	Y	-1.725	-1.725	0	%100
47	MP16	Y	-5.172	-5.172	0	%100
48	M51	Y	-1.725	-1.725	0	%100
49	MP18	Y	-5.172	-5.172	0	%100
50	M56	Y	-1.725	-1.725	0	%100
51	MP7	Y	-5.172	-5.172	0	%100
52	M58	Y	-1.725	-1.725	0	%100
53	MP8	Y	-5.172	-5.172	0	%100
54	M60	Y	-1.725	-1.725	0	%100
55	MP9	Y	-5.172	-5.172	0	%100
56	M62	Y	-1.725	-1.725	0	%100
57	MP10	Y	-5.172	-5.172	0	%100
58	M64	Y	-1.725	-1.725	0	%100
59	MP12	Y	-5.172	-5.172	0	%100
60	M69	Y	-1.725	-1.725	0	%100
61	M70	Y	-2.813	-2.813	0	%100
62	M71	Y	-2.813	-2.813	0	%100
63	M72	Y	-2.813	-2.813	0	%100
64	M73	Y	-2.813	-2.813	0	%100
65	M74	Y	-2.813	-2.813	0	%100

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

	Member Label	Direction	Start Magnitude lb/ft, F, psf	End Magn..	Start Loca..	End Locat..
66	S4	Y	-11.989	-11.989	0	%100
67	M76	Y	-6.213	-6.213	0	%100
68	M77	Y	-1.725	-1.725	0	%100
69	M78	Y	-1.725	-1.725	0	%100
70	M79	Y	-6.213	-6.213	0	%100
71	M80	Y	-6.213	-6.213	0	%100
72	M81	Y	-2.813	-2.813	0	%100
73	M82	Y	-2.813	-2.813	0	%100
74	M83	Y	-2.813	-2.813	0	%100
75	M84	Y	-2.813	-2.813	0	%100
76	M85	Y	-6.213	-6.213	0	%100
77	M86	Y	-6.213	-6.213	0	%100
78	M87	Y	-6.213	-6.213	0	%100
79	M88A	Y	-3.176	-3.176	0	%100
80	M89	Y	-3.176	-3.176	0	%100
81	M90	Y	-3.176	-3.176	0	%100
82	M91	Y	-3.176	-3.176	0	%100
83	S5	Y	-9.936	-9.936	0	%100
84	S6	Y	-11.989	-11.989	0	%100
85	M94	Y	-2.813	-2.813	0	%100
86	M95A	Y	-2.813	-2.813	0	%100
87	M96A	Y	-2.813	-2.813	0	%100
88	M97A	Y	-2.813	-2.813	0	%100
89	M98	Y	-2.813	-2.813	0	%100
90	S7	Y	-11.989	-11.989	0	%100
91	M100	Y	-6.213	-6.213	0	%100
92	M101	Y	-1.725	-1.725	0	%100
93	M102	Y	-1.725	-1.725	0	%100
94	M103	Y	-6.213	-6.213	0	%100
95	M104	Y	-6.213	-6.213	0	%100
96	M105	Y	-2.813	-2.813	0	%100
97	M106	Y	-2.813	-2.813	0	%100
98	M107	Y	-2.813	-2.813	0	%100
99	M108	Y	-2.813	-2.813	0	%100
100	M109	Y	-6.213	-6.213	0	%100
101	M110	Y	-6.213	-6.213	0	%100
102	M111	Y	-6.213	-6.213	0	%100
103	M112	Y	-3.176	-3.176	0	%100
104	M113	Y	-3.176	-3.176	0	%100
105	M114	Y	-3.176	-3.176	0	%100
106	M115	Y	-3.176	-3.176	0	%100
107	S8	Y	-9.936	-9.936	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magn..	Start Loca..	End Locat..
108	S9	Y	-11.989	-11.989	0	%100
109	HR1	Y	-8.257	-8.257	0	%100
110	HR3	Y	-8.257	-8.257	0	%100
111	HR2	Y	-8.257	-8.257	0	%100
112	M121	Y	-1.725	-1.725	0	%100
113	M122	Y	-1.725	-1.725	0	%100
114	M123	Y	-1.725	-1.725	0	%100
115	M124	Y	-1.725	-1.725	0	%100
116	M125	Y	-1.725	-1.725	0	%100
117	M126	Y	-1.725	-1.725	0	%100
118	M127	Y	-1.725	-1.725	0	%100
119	M128	Y	-1.725	-1.725	0	%100
120	M129	Y	-1.725	-1.725	0	%100
121	M130	Y	-1.725	-1.725	0	%100
122	M131	Y	-1.725	-1.725	0	%100
123	M132	Y	-1.725	-1.725	0	%100
124	M133	Y	-1.725	-1.725	0	%100
125	M134	Y	-1.725	-1.725	0	%100
126	M135	Y	-1.725	-1.725	0	%100
127	P4	Y	-6.857	-6.857	0	%100
128	P5	Y	-6.857	-6.857	0	%100
129	P6	Y	-6.857	-6.857	0	%100
130	MP19	Y	-5.172	-5.172	0	%100
131	M140	Y	-1.725	-1.725	0	%100
132	M141	Y	-1.725	-1.725	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magn..	Start Loca..	End Locat..
1	M1	SZ	-34.797	-34.797	0	%100
2	M8	SZ	-34.797	-34.797	0	%100
3	M9	SZ	-34.797	-34.797	0	%100
4	M10	SZ	-34.797	-34.797	0	%100
5	M11	SZ	-34.797	-34.797	0	%100
6	S1	SZ	-11.153	-11.153	0	%100
7	H1	SZ	-12.756	-12.756	0	%100
8	M28	SZ	-14.763	-14.763	0	%100
9	M29	SZ	0	0	0	%100
10	M30	SZ	0	0	0	%100
11	H3	SZ	-12.756	-12.756	0	%100
12	H2	SZ	-12.756	-12.756	0	%100
13	P3	SZ	-10.329	-10.329	0	%100
14	P1	SZ	-10.329	-10.329	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magn..	Start Loca..	End Locat..
15	P2	SZ	-10.329	-10.329	0	%100
16	M29A	SZ	-14.763	-14.763	0	%100
17	M30A	SZ	-14.763	-14.763	0	%100
18	M25A	SZ	-34.797	-34.797	0	%100
19	M26	SZ	-34.797	-34.797	0	%100
20	M27	SZ	-34.797	-34.797	0	%100
21	M28A	SZ	-34.797	-34.797	0	%100
22	M27A	SZ	-14.763	-14.763	0	%100
23	M28B	SZ	-14.763	-14.763	0	%100
24	M29B	SZ	-14.763	-14.763	0	%100
25	M30B	SZ	-28.185	-28.185	0	%100
26	M31	SZ	-28.185	-28.185	0	%100
27	M32	SZ	-28.185	-28.185	0	%100
28	M33	SZ	-28.185	-28.185	0	%100
29	S2	SZ	-11.855	-11.855	0	%100
30	S3	SZ	-11.153	-11.153	0	%100
31	MP1	SZ	-16.7	-16.7	0	%100
32	M38A	SZ	0	0	0	%100
33	MP2	SZ	-16.7	-16.7	0	%100
34	M34A	SZ	0	0	0	%100
35	MP3	SZ	-16.7	-16.7	0	%100
36	M36	SZ	0	0	0	%100
37	MP4	SZ	-16.7	-16.7	0	%100
38	M38	SZ	0	0	0	%100
39	MP6	SZ	-16.7	-16.7	0	%100
40	M43	SZ	0	0	0	%100
41	MP13	SZ	-16.7	-16.7	0	%100
42	M45	SZ	0	0	0	%100
43	MP14	SZ	-16.7	-16.7	0	%100
44	M47	SZ	0	0	0	%100
45	MP15	SZ	-16.7	-16.7	0	%100
46	M49	SZ	0	0	0	%100
47	MP16	SZ	-16.7	-16.7	0	%100
48	M51	SZ	0	0	0	%100
49	MP18	SZ	-16.7	-16.7	0	%100
50	M56	SZ	0	0	0	%100
51	MP7	SZ	-16.7	-16.7	0	%100
52	M58	SZ	0	0	0	%100
53	MP8	SZ	-16.7	-16.7	0	%100
54	M60	SZ	0	0	0	%100
55	MP9	SZ	-16.7	-16.7	0	%100
56	M62	SZ	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magn..	Start Loca..	End Locat...
57	MP10	SZ	-16.7	-16.7	0	%100
58	M64	SZ	0	0	0	%100
59	MP12	SZ	-16.7	-16.7	0	%100
60	M69	SZ	0	0	0	%100
61	M70	SZ	-34.797	-34.797	0	%100
62	M71	SZ	-34.797	-34.797	0	%100
63	M72	SZ	-34.797	-34.797	0	%100
64	M73	SZ	-34.797	-34.797	0	%100
65	M74	SZ	-34.797	-34.797	0	%100
66	S4	SZ	-11.153	-11.153	0	%100
67	M76	SZ	-14.763	-14.763	0	%100
68	M77	SZ	0	0	0	%100
69	M78	SZ	0	0	0	%100
70	M79	SZ	-14.763	-14.763	0	%100
71	M80	SZ	-14.763	-14.763	0	%100
72	M81	SZ	-34.797	-34.797	0	%100
73	M82	SZ	-34.797	-34.797	0	%100
74	M83	SZ	-34.797	-34.797	0	%100
75	M84	SZ	-34.797	-34.797	0	%100
76	M85	SZ	-14.763	-14.763	0	%100
77	M86	SZ	-14.763	-14.763	0	%100
78	M87	SZ	-14.763	-14.763	0	%100
79	M88A	SZ	-28.185	-28.185	0	%100
80	M89	SZ	-28.185	-28.185	0	%100
81	M90	SZ	-28.185	-28.185	0	%100
82	M91	SZ	-28.185	-28.185	0	%100
83	S5	SZ	-11.855	-11.855	0	%100
84	S6	SZ	-11.153	-11.153	0	%100
85	M94	SZ	-34.797	-34.797	0	%100
86	M95A	SZ	-34.797	-34.797	0	%100
87	M96A	SZ	-34.797	-34.797	0	%100
88	M97A	SZ	-34.797	-34.797	0	%100
89	M98	SZ	-34.797	-34.797	0	%100
90	S7	SZ	-11.153	-11.153	0	%100
91	M100	SZ	-14.763	-14.763	0	%100
92	M101	SZ	0	0	0	%100
93	M102	SZ	0	0	0	%100
94	M103	SZ	-14.763	-14.763	0	%100
95	M104	SZ	-14.763	-14.763	0	%100
96	M105	SZ	-34.797	-34.797	0	%100
97	M106	SZ	-34.797	-34.797	0	%100
98	M107	SZ	-34.797	-34.797	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magn..	Start Loca..	End Locat..
99	M108	SZ	-34.797	-34.797	0	%100
100	M109	SZ	-14.763	-14.763	0	%100
101	M110	SZ	-14.763	-14.763	0	%100
102	M111	SZ	-14.763	-14.763	0	%100
103	M112	SZ	-28.185	-28.185	0	%100
104	M113	SZ	-28.185	-28.185	0	%100
105	M114	SZ	-28.185	-28.185	0	%100
106	M115	SZ	-28.185	-28.185	0	%100
107	S8	SZ	-11.855	-11.855	0	%100
108	S9	SZ	-11.153	-11.153	0	%100
109	HR1	SZ	-12.756	-12.756	0	%100
110	HR3	SZ	-12.756	-12.756	0	%100
111	HR2	SZ	-12.756	-12.756	0	%100
112	M121	SZ	0	0	0	%100
113	M122	SZ	0	0	0	%100
114	M123	SZ	0	0	0	%100
115	M124	SZ	0	0	0	%100
116	M125	SZ	0	0	0	%100
117	M126	SZ	0	0	0	%100
118	M127	SZ	0	0	0	%100
119	M128	SZ	0	0	0	%100
120	M129	SZ	0	0	0	%100
121	M130	SZ	0	0	0	%100
122	M131	SZ	0	0	0	%100
123	M132	SZ	0	0	0	%100
124	M133	SZ	0	0	0	%100
125	M134	SZ	0	0	0	%100
126	M135	SZ	0	0	0	%100
127	P4	SZ	-13.959	-13.959	0	%100
128	P5	SZ	-13.959	-13.959	0	%100
129	P6	SZ	-13.959	-13.959	0	%100
130	MP19	SZ	-16.7	-16.7	0	%100
131	M140	SZ	0	0	0	%100
132	M141	SZ	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magn..	Start Loca..	End Locat..
1	M1	SX	-34.797	-34.797	0	%100
2	M8	SX	-34.797	-34.797	0	%100
3	M9	SX	-34.797	-34.797	0	%100
4	M10	SX	-34.797	-34.797	0	%100
5	M11	SX	-34.797	-34.797	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magn..	Start Loca..	End Locat..
6	S1	SX	-11.153	-11.153	0	%100
7	H1	SX	-12.756	-12.756	0	%100
8	M28	SX	-14.763	-14.763	0	%100
9	M29	SX	0	0	0	%100
10	M30	SX	0	0	0	%100
11	H3	SX	-12.756	-12.756	0	%100
12	H2	SX	-12.756	-12.756	0	%100
13	P3	SX	-10.329	-10.329	0	%100
14	P1	SX	-10.329	-10.329	0	%100
15	P2	SX	-10.329	-10.329	0	%100
16	M29A	SX	-14.763	-14.763	0	%100
17	M30A	SX	-14.763	-14.763	0	%100
18	M25A	SX	-34.797	-34.797	0	%100
19	M26	SX	-34.797	-34.797	0	%100
20	M27	SX	-34.797	-34.797	0	%100
21	M28A	SX	-34.797	-34.797	0	%100
22	M27A	SX	-14.763	-14.763	0	%100
23	M28B	SX	-14.763	-14.763	0	%100
24	M29B	SX	-14.763	-14.763	0	%100
25	M30B	SX	-28.185	-28.185	0	%100
26	M31	SX	-28.185	-28.185	0	%100
27	M32	SX	-28.185	-28.185	0	%100
28	M33	SX	-28.185	-28.185	0	%100
29	S2	SX	-11.855	-11.855	0	%100
30	S3	SX	-11.153	-11.153	0	%100
31	MP1	SX	-16.7	-16.7	0	%100
32	M38A	SX	0	0	0	%100
33	MP2	SX	-16.7	-16.7	0	%100
34	M34A	SX	0	0	0	%100
35	MP3	SX	-16.7	-16.7	0	%100
36	M36	SX	0	0	0	%100
37	MP4	SX	-16.7	-16.7	0	%100
38	M38	SX	0	0	0	%100
39	MP6	SX	-16.7	-16.7	0	%100
40	M43	SX	0	0	0	%100
41	MP13	SX	-16.7	-16.7	0	%100
42	M45	SX	0	0	0	%100
43	MP14	SX	-16.7	-16.7	0	%100
44	M47	SX	0	0	0	%100
45	MP15	SX	-16.7	-16.7	0	%100
46	M49	SX	0	0	0	%100
47	MP16	SX	-16.7	-16.7	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magn..	Start Loca..	End Locat..
48	M51	SX	0	0	0	%100
49	MP18	SX	-16.7	-16.7	0	%100
50	M56	SX	0	0	0	%100
51	MP7	SX	-16.7	-16.7	0	%100
52	M58	SX	0	0	0	%100
53	MP8	SX	-16.7	-16.7	0	%100
54	M60	SX	0	0	0	%100
55	MP9	SX	-16.7	-16.7	0	%100
56	M62	SX	0	0	0	%100
57	MP10	SX	-16.7	-16.7	0	%100
58	M64	SX	0	0	0	%100
59	MP12	SX	-16.7	-16.7	0	%100
60	M69	SX	0	0	0	%100
61	M70	SX	-34.797	-34.797	0	%100
62	M71	SX	-34.797	-34.797	0	%100
63	M72	SX	-34.797	-34.797	0	%100
64	M73	SX	-34.797	-34.797	0	%100
65	M74	SX	-34.797	-34.797	0	%100
66	S4	SX	-11.153	-11.153	0	%100
67	M76	SX	-14.763	-14.763	0	%100
68	M77	SX	0	0	0	%100
69	M78	SX	0	0	0	%100
70	M79	SX	-14.763	-14.763	0	%100
71	M80	SX	-14.763	-14.763	0	%100
72	M81	SX	-34.797	-34.797	0	%100
73	M82	SX	-34.797	-34.797	0	%100
74	M83	SX	-34.797	-34.797	0	%100
75	M84	SX	-34.797	-34.797	0	%100
76	M85	SX	-14.763	-14.763	0	%100
77	M86	SX	-14.763	-14.763	0	%100
78	M87	SX	-14.763	-14.763	0	%100
79	M88A	SX	-28.185	-28.185	0	%100
80	M89	SX	-28.185	-28.185	0	%100
81	M90	SX	-28.185	-28.185	0	%100
82	M91	SX	-28.185	-28.185	0	%100
83	S5	SX	-11.855	-11.855	0	%100
84	S6	SX	-11.153	-11.153	0	%100
85	M94	SX	-34.797	-34.797	0	%100
86	M95A	SX	-34.797	-34.797	0	%100
87	M96A	SX	-34.797	-34.797	0	%100
88	M97A	SX	-34.797	-34.797	0	%100
89	M98	SX	-34.797	-34.797	0	%100

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

	Member Label	Direction	Start Magnitude lb/ft.F,psf	End Magn..	Start Loca..	End Locat..
90	S7	SX	-11.153	-11.153	0	%100
91	M100	SX	-14.763	-14.763	0	%100
92	M101	SX	0	0	0	%100
93	M102	SX	0	0	0	%100
94	M103	SX	-14.763	-14.763	0	%100
95	M104	SX	-14.763	-14.763	0	%100
96	M105	SX	-34.797	-34.797	0	%100
97	M106	SX	-34.797	-34.797	0	%100
98	M107	SX	-34.797	-34.797	0	%100
99	M108	SX	-34.797	-34.797	0	%100
100	M109	SX	-14.763	-14.763	0	%100
101	M110	SX	-14.763	-14.763	0	%100
102	M111	SX	-14.763	-14.763	0	%100
103	M112	SX	-28.185	-28.185	0	%100
104	M113	SX	-28.185	-28.185	0	%100
105	M114	SX	-28.185	-28.185	0	%100
106	M115	SX	-28.185	-28.185	0	%100
107	S8	SX	-11.855	-11.855	0	%100
108	S9	SX	-11.153	-11.153	0	%100
109	HR1	SX	-12.756	-12.756	0	%100
110	HR3	SX	-12.756	-12.756	0	%100
111	HR2	SX	-12.756	-12.756	0	%100
112	M121	SX	0	0	0	%100
113	M122	SX	0	0	0	%100
114	M123	SX	0	0	0	%100
115	M124	SX	0	0	0	%100
116	M125	SX	0	0	0	%100
117	M126	SX	0	0	0	%100
118	M127	SX	0	0	0	%100
119	M128	SX	0	0	0	%100
120	M129	SX	0	0	0	%100
121	M130	SX	0	0	0	%100
122	M131	SX	0	0	0	%100
123	M132	SX	0	0	0	%100
124	M133	SX	0	0	0	%100
125	M134	SX	0	0	0	%100
126	M135	SX	0	0	0	%100
127	P4	SX	-13.959	-13.959	0	%100
128	P5	SX	-13.959	-13.959	0	%100
129	P6	SX	-13.959	-13.959	0	%100
130	MP19	SX	-16.7	-16.7	0	%100
131	M140	SX	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magn...	Start Loca...	End Locat...
132	M141	SX	0	0	0	%100

Member Distributed Loads (BLC 50 : BLC 1 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magn...	Start Loca...	End Locat...
1	M29A	Y	-47.769	-47.769	0	2.5
2	M30A	Y	-26.281	-26.281	0	2.5
3	M86	Y	-51.646	-51.646	0	2.5
4	M87	Y	-28.021	-28.021	0	2.5
5	M79	Y	-47.352	-47.352	0	2.5
6	M80	Y	-26.169	-26.169	0	2.5
7	M110	Y	-52.188	-52.188	0	2.5
8	M111	Y	-28.009	-28.009	0	2.5
9	M28B	Y	-52.191	-52.191	0	2.5
10	M29B	Y	-28	-28	0	2.5
11	M103	Y	-47.367	-47.367	0	2.5
12	M104	Y	-26.16	-26.16	0	2.5

Member Distributed Loads (BLC 51 : BLC 16 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magn...	Start Loca...	End Locat...
1	M29A	Y	-53.024	-53.024	0	2.5
2	M30A	Y	-29.172	-29.172	0	2.5
3	M86	Y	-57.327	-57.327	0	2.5
4	M87	Y	-31.103	-31.103	0	2.5
5	M79	Y	-52.561	-52.561	0	2.5
6	M80	Y	-29.047	-29.047	0	2.5
7	M110	Y	-57.928	-57.928	0	2.5
8	M111	Y	-31.089	-31.089	0	2.5
9	M28B	Y	-57.932	-57.932	0	2.5
10	M29B	Y	-31.08	-31.08	0	2.5
11	M103	Y	-52.577	-52.577	0	2.5
12	M104	Y	-29.037	-29.037	0	2.5

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

	Member	Shape	Code Check	Loc[in]	LC	She...	Loc[in]	Dir	LC	phi*Pn...	phi*Pn...	phi*M...	phi*Mn ...	Cb	Eqn
1	M70	SR 3/4	.562	53.604	12	.029	31.125		11	509.344	14313...	178.929	178.929	1.8...	H1-1a
2	M94	SR 3/4	.555	53.604	8	.029	31.125		7	509.344	14313...	178.929	178.929	1.8...	H1-1a
3	M1	SR 3/4	.546	53.604	4	.037	53.604		2	509.344	14313...	178.929	178.929	1.7...	H1-1a
4	S2	HSS4X...	.371	4	9	.169	4	y	84	10611...	106155	12311...	12311.25	1.0...	H1-1b
5	S5	HSS4X...	.369	4	5	.159	4	z	13	10611...	106155	12311...	12311.25	1.0...	H1-1b
6	S8	HSS4X...	.363	4	13	.173	4	z	3	10611...	106155	12311...	12311.25	1.0...	H1-1b

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

	Member	Shape	Code Check	Loc[in]	LC	Shear	Loc[in]	Dir	LC	phi*Pn...	phi*Pn...	phi*M...	phi*Mn ...	Cb	Eqn
7	MP7	PIPE_2.0	.353	39.938	10	.065	39.938		9	25203...	32130	1871....	1871.625	1.9...	H1-1b
8	MP13	PIPE_2.0	.350	39.938	6	.063	39.938		5	25203...	32130	1871....	1871.625	1.8...	H1-1b
9	MP8	PIPE_2.0	.332	39.938	10	.052	39.938		2	25203...	32130	1871....	1871.625	1.8...	H1-1b
10	MP14	PIPE_2.0	.328	39.938	6	.054	39.938		11	25203...	32130	1871....	1871.625	1.7...	H1-1b
11	MP6	PIPE_2.0	.317	39.542	9	.079	39.542		4	25652...	32130	1871....	1871.625	1.6...	H1-1b
12	MP12	PIPE_2.0	.316	39.542	6	.073	39.542		12	25652...	32130	1871....	1871.625	1.6...	H1-1b
13	MP9	PIPE_2.0	.299	50	10	.041	50		4	23808...	32130	1871....	1871.625	1.7...	H1-1b
14	MP10	PIPE_2.0	.298	39.542	5	.058	39.542		6	25652...	32130	1871....	1871.625	1.6...	H1-1b
15	MP15	PIPE_2.0	.292	50	6	.045	50		12	23808...	32130	1871....	1871.625	1.7...	H1-1b
16	MP1	PIPE_2.0	.289	39.938	13	.085	39.938		13	25203...	32130	1871....	1871.625	1.3...	H1-1b
17	MP4	PIPE_2.0	.288	39.542	9	.062	39.542		10	25652...	32130	1871....	1871.625	1.6...	H1-1b
18	MP16	PIPE_2.0	.273	39.542	13	.046	39.542		8	25652...	32130	1871....	1871.625	1.3...	H1-1b
19	MP3	PIPE_2.0	.270	50	9	.042	50		4	23808...	32130	1871....	1871.625	1.7...	H1-1b
20	MP18	PIPE_2.0	.256	39.542	13	.061	39.542		8	25652...	32130	1871....	1871.625	1.3...	H1-1b
21	MP2	PIPE_2.0	.253	39.938	7	.046	39.938		6	25203...	32130	1871....	1871.625	2.13	H1-1b
22	MP19	PIPE_2.0	.234	39.938	7	.061	39.938		6	25203...	32130	1871....	1871.625	2.4...	H1-1b
23	S6	HSS5X...	.213	0	6	.078	0	z	13	19456...	194670	27825	27825	1.0...	H1-1b
24	S3	HSS5X...	.213	0	9	.081	0	z	11	19456...	194670	27825	27825	1.07	H1-1b
25	S9	HSS5X...	.210	0	2	.084	0	z	3	19456...	194670	27825	27825	1.0...	H1-1b
26	H3	PIPE_4.0	.198	63	147	.120	63		12	65530...	93240	10631...	10631.25	1.6...	H1-1b
27	H2	PIPE_4.0	.196	63	244	.124	63		4	65530...	93240	10631...	10631.25	1.6...	H1-1b
28	H1	PIPE_4.0	.194	63	34	.142	74.812		8	65530...	93240	10631...	10631.25	1.59	H1-1b
29	HR1	PIPE_2.0	.187	80.062	7	.083	56.437		10	8922....	32130	1871....	1871.625	2.6...	H1-1b
30	HR2	PIPE_2.0	.161	5.25	6	.075	56.437		6	8922....	32130	1871....	1871.625	3.2...	H1-1b
31	HR3	PIPE_2.0	.159	120.749	10	.063	57.75		10	8922....	32130	1871....	1871.625	2.4...	H1-1b
32	M83	SR 3/4	.152	6	12	.020	0		5	13562...	14313...	178.929	178.929	1.67	H1-1b
33	M107	SR 3/4	.151	6	8	.020	0		2	13562...	14313...	178.929	178.929	1.6...	H1-1b
34	M27	SR 3/4	.148	6	4	.020	0		9	13562...	14313...	178.929	178.929	1.6...	H1-1b
35	M84	SR 3/4	.143	6	12	.019	0		6	13562...	14313...	178.929	178.929	1.3...	H1-1b
36	M108	SR 3/4	.142	6	8	.019	0		2	13562...	14313...	178.929	178.929	1.3...	H1-1b
37	M32	SR 1" Bar	.138	0	3	.034	0		9	24916...	25446...	424.112	424.112	1.3...	H1-1b
38	M10	SR 3/4	.137	6	12	.017	0		11	13562...	14313...	178.929	178.929	1.67	H1-1b
39	M28A	SR 3/4	.136	6	4	.019	0		10	13562...	14313...	178.929	178.929	1.4...	H1-1b
40	M97A	SR 3/4	.136	6	4	.017	0		3	13562...	14313...	178.929	178.929	1.6...	H1-1b
41	M73	SR 3/4	.136	6	8	.017	0		7	13562...	14313...	178.929	178.929	1.6...	H1-1b
42	S1	HSS5X...	.133	13	9	.080	13	y	84	19419...	194670	27825	27825	1.2...	H1-1b
43	S4	HSS5X...	.132	13	5	.074	13	y	255	19419...	194670	27825	27825	1.2...	H1-1b
44	S7	HSS5X...	.129	13	13	.078	13	z	3	19419...	194670	27825	27825	1.2...	H1-1b
45	M11	SR 3/4	.129	6	12	.016	0		11	13562...	14313...	178.929	178.929	1.3...	H1-1b
46	M74	SR 3/4	.128	6	8	.016	0		7	13562...	14313...	178.929	178.929	1.32	H1-1b
47	M98	SR 3/4	.128	6	4	.016	0		10	13562...	14313...	178.929	178.929	1.3...	H1-1b
48	M90	SR 1" Bar	.124	0	11	.032	0		5	24916...	25446...	424.112	424.112	1.3...	H1-1b

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

	Member	Shape	Code Check	Loc[in]	LC	She...	Loc[in]	Dir	LC	phi*Pn...	phi*Pn...	phi*M...	phi*Mn ...	Cb	Eqn
49	M114	SR 1" Bar	.123	0	7	.032	0		13	24916...	25446...	424.112	424.112	1.3...	H1-1b
50	M82	SR 3/4	.121	6	12	.024	0		11	13562...	14313...	178.929	178.929	1.7...	H1-1b
51	M26	SR 3/4	.121	6	4	.029	0		3	13562...	14313...	178.929	178.929	1.8...	H1-1b
52	M106	SR 3/4	.119	6	8	.023	0		7	13562...	14313...	178.929	178.929	1.7...	H1-1b
53	M9	SR 3/4	.113	6	13	.023	6		27	13562...	14313...	178.929	178.929	1.8...	H1-1b
54	M96A	SR 3/4	.111	6	4	.023	0		5	13562...	14313...	178.929	178.929	1.7...	H1-1b
55	M113	SR 1" Bar	.110	5	5	.028	5		11	24916...	25446...	424.112	424.112	1.3...	H1-1b
56	P2	10x1/2"	.109	6.895	9	.138	1.701	y	3	13440...	162000	1687.5	33750	1.3...	H1-1b
57	M72	SR 3/4	.109	6	8	.023	0		9	13562...	14313...	178.929	178.929	1.7...	H1-1b
58	M31	SR 1" Bar	.109	5	13	.027	5		7	24916...	25446...	424.112	424.112	1.3...	H1-1b
59	M89	SR 1" Bar	.109	5	9	.028	5		3	24916...	25446...	424.112	424.112	1.33	H1-1b
60	P1	10x1/2"	.107	1.701	13	.159	6.895	y	7	13440...	162000	1687.5	33750	1.7...	H1-1b
61	P3	10x1/2"	.107	6.895	12	.140	6.895	y	11	13440...	162000	1687.5	33750	1.14	H1-1b
62	M25A	SR 3/4	.077	6	3	.023	0		2	13562...	14313...	178.929	178.929	1.0...	H1-1b
63	M33	SR 1" Bar	.076	0	9	.019	9.22		2	23688...	25446...	424.112	424.112	1.1...	H1-1b
64	M81	SR 3/4	.071	6	11	.018	0		11	13562...	14313...	178.929	178.929	1.1...	H1-1b
65	M91	SR 1" Bar	.071	0	5	.017	0		130	23688...	25446...	424.112	424.112	1.2...	H1-1b
66	M115	SR 1" Bar	.070	0	13	.017	0		246	23688...	25446...	424.112	424.112	1.2...	H1-1b
67	M105	SR 3/4	.070	6	7	.017	0		7	13562...	14313...	178.929	178.929	1.1...	H1-1b
68	M8	SR 3/4	.067	6	13	.016	0		13	13562...	14313...	178.929	178.929	1.2...	H1-1b
69	M95A	SR 3/4	.066	6	5	.018	0		5	13562...	14313...	178.929	178.929	1.1...	H1-1b
70	M71	SR 3/4	.065	6	9	.017	0		9	13562...	14313...	178.929	178.929	1.1...	H1-1b
71	M112	SR 1" Bar	.063	9.22	11	.018	9.22		8	23688...	25446...	424.112	424.112	1.27	H1-1b
72	M30B	SR 1" Bar	.062	9.22	7	.018	9.22		4	23688...	25446...	424.112	424.112	1.3...	H1-1b
73	M88A	SR 1" Bar	.062	9.22	3	.019	9.22		12	23688...	25446...	424.112	424.112	1.2...	H1-1b
74	P4	L2.5x2....	.011	5.297	4	.070	0	z	10	27762...	29192...	872.574	1971.83	1.1...	H2-1
75	P5	L2.5x2....	.011	5.65	12	.070	11.3	z	6	27762...	29192...	872.574	1971.83	1.1...	H2-1
76	P6	L2.5x2....	.008	5.767	9	.052	11.3	z	7	27762...	29192...	872.574	1971.83	1.1...	H2-1
77	M28B	3"x3/4" ...	.003	2.5	36	.001	2.5	z	38	72390...	72900	1139....	4556.25	2.3...	H1-1b
78	M110	3"x3/4" ...	.003	2.5	33	.001	2.5	z	38	72390...	72900	1139....	4556.25	2.3...	H1-1b
79	M86	3"x3/4" ...	.003	2.5	33	.001	2.5	z	38	72390...	72900	1139....	4556.25	2.3...	H1-1b
80	M29A	3"x3/4" ...	.002	2.5	36	.001	2.5	z	38	72390...	72900	1139....	4556.25	2.3...	H1-1b
81	M103	3"x3/4" ...	.002	2.5	33	.001	2.5	z	38	72390...	72900	1139....	4556.25	2.3...	H1-1b
82	M79	3"x3/4" ...	.002	2.5	33	.001	2.5	z	38	72390...	72900	1139....	4556.25	2.3...	H1-1b
83	M87	3"x3/4" ...	.002	2.5	33	.000	2.5	z	38	72390...	72900	1139....	4556.25	2.3...	H1-1b
84	M29B	3"x3/4" ...	.002	2.5	36	.000	2.5	z	38	72390...	72900	1139....	4556.25	2.3...	H1-1b
85	M111	3"x3/4" ...	.002	2.5	33	.000	2.5	z	38	72390...	72900	1139....	4556.25	2.3...	H1-1b
86	M30A	3"x3/4" ...	.001	2.5	36	.000	2.5	z	38	72390...	72900	1139....	4556.25	2.3...	H1-1b
87	M80	3"x3/4" ...	.001	2.5	33	.000	2.5	z	38	72390...	72900	1139....	4556.25	2.3...	H1-1b
88	M104	3"x3/4" ...	.001	2.5	33	.000	2.5	z	38	72390...	72900	1139....	4556.25	2.3...	H1-1b
89	M28	3"x3/4" ...	.000	2.5	36	.000	2.5	z	38	72390...	72900	1139....	4556.25	2.3...	H1-1b
90	M27A	3"x3/4" ...	.000	2.5	36	.000	2.5	z	38	72390...	72900	1139....	4556.25	2.3...	H1-1b

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

Member	Shape	Code Check	Loc[in]	LC	Shear	Loc[in]	Dir	LC	phi*Pn...	phi*Pn...	phi*M...	phi*Mn ...	Cb	Eqn
91	M85	3"x3/4" ...	.000	2.5	33	.000	2.5	Z	38	72390...	72900	1139....	4556.25	2.3... H1-1b
92	M109	3"x3/4" ...	.000	2.5	33	.000	2.5	Z	38	72390...	72900	1139....	4556.25	2.3... H1-1b
93	M76	3"x3/4" ...	.000	2.5	33	.000	2.5	Z	38	72390...	72900	1139....	4556.25	2.3... H1-1b
94	M100	3"x3/4" ...	.000	2.5	33	.000	2.5	Z	38	72390...	72900	1139....	4556.25	2.3... H1-1b

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

Member	Shape	Code Check	Loc[in]	LC	Shear	Loc[...]	Dir	LC	phi*Pn...	phi*Tn...	phi*Mn...	phi*Mn...	phi*...	phi*...	Cb	Eqn
No Data to Print ...																

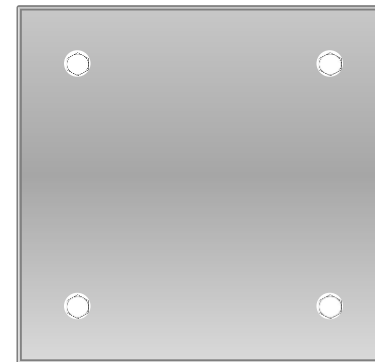
Bolt Calculation Tool, V1.4

PROJECT DATA	
Site Name:	Plymouth CT 3, CT
Site Number:	302501
Job Code:	1009-Z0003-B
Connection Description:	Standoff Tube to Collar

APPLIED LOADS		
Bolt Tension:	5672.28	lbs
Bolt Shear:	946.18	lbs

BOLT PROPERTIES		
Bolt Type:	Threaded Rod	-
Bolt Diameter:	0.75	in
Bolt Grade:	A307	-
# of Threaded Rods:	4	-
Threads Excluded?	No	-

BOLT CHECK		
Tensile Strength	15050.70	
Shear Strength	9940.20	
Tensile Usage	37.7%	
Shear Usage	9.5%	
Interaction Check	0.15	≤1.05
Result	Pass	



2017 TARP Mount Program Spec Sheet Sample								
INPUT FIELDS							OUTPUT FIELDS	
BASIC WINDSPEED (mph)	Radial Ice (in)	Height (ft)	Exposure Category	Class	TOPO Category	Number of Mount Pipes / Sector	Allowable EPA / pipe (ft sq)	Allowable Weight / Pipe (lbf)
							NOTE : Specify how many pipes are being considered per face for each EPA/WT pair	
116	1"	185	B	II	1	5	12	920

Mount Analysis and Mapping Checklist

Mount Detail		Both		Inspector (Mapping)	
Mount Type		Platform		(Vendor name)	
Mount Model Number		Pirod Low Profile Platform		(Inspector name)	
If RT, then how is it attached				(Contact phone)	
If WT, then how is it attached				(Contact email)	
Result of previous mount analysis or PE opinion letter		Pass			
Mount Mapping Detail		Both			
Material condition (discoloration, cracks, pitting)		Good			
Mfg. drawing, cutsheet, spec. available?		Yes			
Date of previous mount mapping		6/19/2020			
Searched prior OEM for material?		No			
Photos of installation available?		No			
Original tower drawings show mounts?		Yes			
Searched for previous mapping?		Yes			
Is latest mod design (dwgs) available?		No			
Is the latest structural analysis available?		Yes			
Project Detail		Both		Site Information	
Market		Connecticut		Original Lease Date	
PACE Project ID		MRCTB047182, MRCTB047277,		FA Code	10035015
Site Name		MRCTB047167		Tower Type	Monopole
City, State		MRCTB047182		Tower Height (Ft)	180
RFDS Version Number		Plymouth, CT		AT&T Rad Center # 1	185
		2		AT&T Rad Center # 2	
Initiative (list mult., if applicable)		LTE 3C[700 UPPER D], 4TX4RX			
Tower Owner		Software Retrofit[700 B-C], 5G NR			
SA Vendor		1DR-1[850 B(U)]			
A&E firm (for structural analysis)		ATC			
A&E firm (for mapping, if different)		Infinigy			
Last amendment date or last site visit					
Measurements and Deliverables on sketches		Mapping			
Pipe / Angle dimensions and lengths					
bolt diameters and lengths					
U-Bolt diameters and lengths					
Steel Grade if indicated					
welds :length and sizes					
appurtenance relative locations					
Grounding Condition					
Equipment Detail Alpha Sector		Model Number for Ant, MW, RRU, TMA, Squid / Size of Coax, DC-Fiber Trunks & Jumpers	Height / COAX-DC-Fiber Trunk & Jumper Lengths in feet	Approx Az	mount position location
Antennas		0	0	0	0
MW		0	0	0	0
RRU		0	0	0	0
TMA		0	0	0	0
Coax		0	0	0	0
RET (not imbedded in antenna)		0	0	0	0
DC Cable		0	0	0	0
Fiber Cable		0	0	0	0
Squid		0	0	0	0
Equipment Detail Beta Sector					
Antennas		0	0	0	0
MW		0	0	0	0
RRU		0	0	0	0
TMA		0	0	0	0
Coax		0	0	0	0
RET (not imbedded in antenna)		0	0	0	0
DC Cable		0	0	0	0
Fiber Cable		0	0	0	0
Squid		0	0	0	0
Equipment Detail Gamma Sector					
Antennas		0	0	0	0
MW		0	0	0	0
RRU		0	0	0	0
TMA		0	0	0	0
Coax		0	0	0	0
RET (not imbedded in antenna)		0	0	0	0
DC Cable		0	0	0	0
Fiber Cable		0	0	0	0
Squid		0	0	0	0
Comments					

Note: For each table in this form, note whether the information applies to "Mapping" only, or "Both" mount analysis and mapping. Equipment detail is for "Mapping" but is not labeled. Sketches are only required for mapping.

EXHIBIT 3

DOCKET NO. 138 - An application of SNET Cellular, Inc., for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of cellular facilities in the Towns of Plymouth, Harwinton, Winchester, and New Milford, Connecticut.

Connecticut

Siting

Council

November 26, 1990

DECISION AND ORDER

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council finds that the effects associated with the construction, operation, and maintenance of four cellular telecommunications towers and associated equipment at the proposed Plymouth, Harwinton, New Milford, and alternate Winchester sites including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife need not be in conflict either alone or cumulatively with other effects, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the application, and therefore directs that a Certificate of Environmental Compatibility and Public Need (Certificate), as provided by section 16-50k of the Connecticut General Statutes (CGS), be issued to SNET Cellular Inc., for the construction, operation, and maintenance of a cellular telecommunications tower, associated equipment, and building at the proposed Plymouth, Harwinton, New Milford, and alternate Winchester sites.

The facilities shall be constructed, operated, and maintained substantially as specified in the Council's record in this matter, and subject to the following conditions:

1. The facilities shall be constructed in accordance with the State of Connecticut Basic Building Code.
2. The self-supporting monopole towers shall be no taller than necessary to provide the proposed communication service and in no event shall the Plymouth, Harwinton, and Winchester tower structures exceed 192-feet or the New Milford tower structure exceed 162 feet above ground level (AGL), including antennas and appurtenances.
3. The Certificate Holder shall prepare a Development and Management (D&M) Plan, for approval by the Council, for these sites in compliance with sections 16-50j-75 through 16-50j-77 of the Regulations of State Agencies (RSA). The D&M Plan shall include detailed plans for the towers, tower pedestals, tower foundations, soil boring reports, antenna structures, equipment buildings, access roads, security fences, erosion and sedimentation control plans

consistent with the Connecticut Guidelines of Soil Erosion and Sedimentation Control, and landscaping plans where necessary to screen the equipment building from adjacent land uses.

At the proposed Harwinton site, the accessway shall be designed to avoid a direct sight-line of the entire tower structure from the adjacent Fowler residence. To further mitigate the visibility of the facility, the tower's site shall be moved as close to the electric transmission line right-of-way as safety clearances allow.

At the alternate Winchester site, the Certificate Holder shall design the accessway to avoid a direct sight-line from the northern end of Oakdale Avenue. Prior to construction, the Certificate Holder shall secure all necessary permits and approvals to construct a crossing of the Tennessee Gas Company's underground gas transmission line. Prior to any necessary blasting activities, the Certificate Holder shall secure all necessary permits and shall conduct such blasting in accordance with State regulations. Copies of all permits and approvals shall be forwarded to the Council immediately upon receipt.

4. The Certificate Holder shall comply with any existing and future radio frequency (RF) standard promulgated by State or federal regulatory agencies. Upon the establishment of any new governmental RF standards, the facilities granted in this Decision and Order shall be brought into compliance with such standards.
5. The Certificate Holder shall provide the Council a recalculated report of electromagnetic radio frequency power density if and when circumstances in operation cause a change in power densities above the levels originally calculated and provided in the application.
6. The Certificate Holder shall permit public or private entities to share space on the proposed towers for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.
7. If the facilities do not initially provide, or permanently cease to provide cellular service following completion of construction, this Decision and Order shall be void, and the tower(s) and all associated equipment shall be dismantled and removed or reapplication for any new use shall be made to the Council before any such new use is made.
8. Unless otherwise approved by the Council, this Decision and Order shall be void if all construction authorized herein is not completed within three years of the effective date of this Decision and Order or within three years after all appeals to this Decision and Order have been resolved.

Pursuant to Section 16-50p, we hereby direct that a copy of the Findings of Fact, Opinion, and Decision and Order be served on each person listed below, and notice of issuance shall be published in The New Milford Times, The Bristol Press, The Registrar-Citizen, and The Danbury News-Times.

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

The parties to this proceeding are:

(PARTIES)

SNET Cellular, Inc.

(ITS REPRESENTATIVES)

Peter J. Tyrrell
Senior Attorney
SNET Cellular, Inc.
227 Church Street
Room 1021
New Haven, CT 06506

(INTERVENORS)

Pikeville Cellular Partnership

Charles Wolf, Esq.
Robinson & Cole
One Commercial Plaza
Hartford, CT 06103-3597

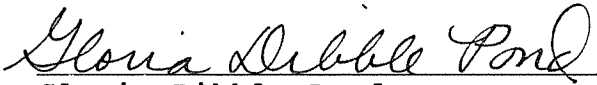
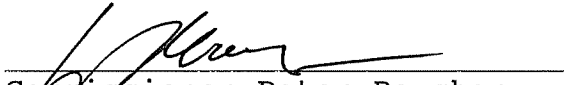
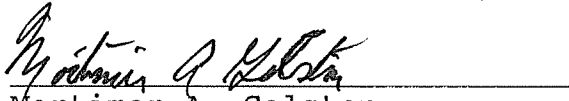
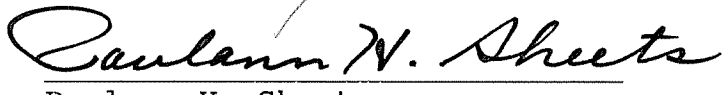
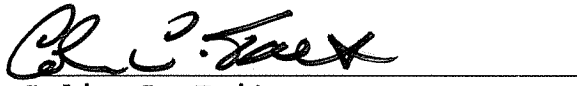
TEF:bw

4886E-1-3

CERTIFICATION

The undersigned members of the Connecticut Siting Council hereby certify that they have heard this case in Docket No. 138 or read the record thereof, and that we voted as follows:

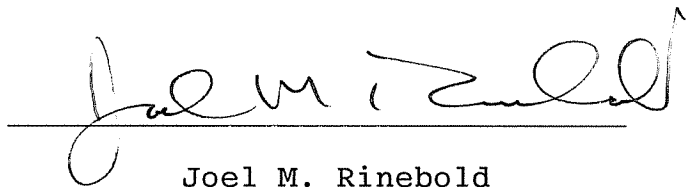
Dated at New Britain, Connecticut the 26 day of November, 1990.

<u>Council Members</u>	<u>Vote Cast</u>
 Gloria Dibble Pond Chairperson	YES
 Commissioner Peter Boucher Designee: Mark Marcus	YES
 Commissioner Leslie Carothers Designee: Brian Emerick	YES
 Harry E. Covey	YES
 Mortimer A. Gelston	YES
 Daniel P. Lynch, Jr.	YES
 Paulann H. Sheets	YES
 William H. Smith	ABSENT
 Colin C. Tait	YES

STATE OF CONNECTICUT)
 :
ss. New Britain, Connecticut
COUNTY OF HARTFORD)

I hereby certify that the foregoing is a true and correct copy of the Decision and Order issued by the Connecticut Siting Council, State of Connecticut.

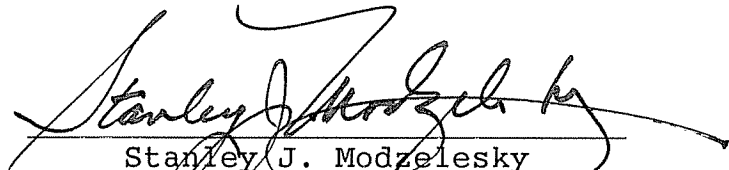
ATTEST:

A handwritten signature in dark ink, appearing to read "Joel M. Rinebold", is written over a horizontal line.

Joel M. Rinebold
Executive Director
Connecticut Siting Council

I certify that a copy of the Findings of Fact, Opinion, and Decision and Order in Docket No. 138 have been forwarded by Certified First Class Return Receipt Requested mail on December 3, 1990, to all parties of record as listed on the attached service list, dated August 22, 1990.

ATTEST:

A handwritten signature in dark ink, appearing to read "Stanley J. Modzelesky", is written over a horizontal line.

Stanley J. Modzelesky
Executive Assistant
Connecticut Siting Council

Date: August 22, 1990

Docket No. 138

LIST OF PARTIES AND INTERVENORS - SERVICE LIST

Status Granted	Status Holder (name, address & phone number)	Representative (name, address & phone number)
Party ☒	SNET Cellular, Inc.	Peter J. Tyrrell Senior Attorney SNET Cellular, Inc. 227 Church Street Room 1021 New Haven, CT 06506
Intervenor ☐		
Party ☐	Pikeville Cellular Partnership	Charles Wolf, Esq. Robinson & Cole One Commercial Plaza Hartford, CT 06103-3597
Intervenor ☒		
Party ☐		
Intervenor ☐		

EXHIBIT 4



Town of Plymouth
Property Listing Report

Parcel ID 017-014-014D

Account 00074600

Property Information

Owner	LAGOSZ RAYMOND & BRENDA
Address	297 NORTH ST
Mailing Address	297 NORTH ST PLYMOUTH, CT 06782
Land Use	-
Land Class	R

Census Tract	4253
Neighborhood	101
Zoning	RA1
Acreage	2.62
Utilities	
Lot Setting/ Desc	/ 1

Photo



PARCEL VALUATIONS (Assessed value = 70% of Appraised Value)

	Appraised	Assessed
Buildings	145040	
Outbuildings		
Improvements		
Extras		
Land	97800	
Total	242840	169990
Previous		

Construction Details

Year Built	
Stories	1.5
Building Style	CAPE
Building Use	
Building Condition	AVERAGE
Total Rooms	7
Bedrooms	4
Full Bathrooms	2/1
Half Bathrooms	
Bath Style	
Kitchen Style	
Roof Style	
Roof Cover	

EXTERIOR WALLS:

Primary	FRAME
Secondary	

INTERIOR WALLS:

Primary	
Secondary	

FLOORS:

Primary	
Secondary	

HEATING/AC:

Heating Type	
Heating Fuel	OIL
AC Type	WARM AIR

BUILDING AREA:

Effective Building Area	
Gross Building Area	
Total Living Area	

SALES HISTORY:

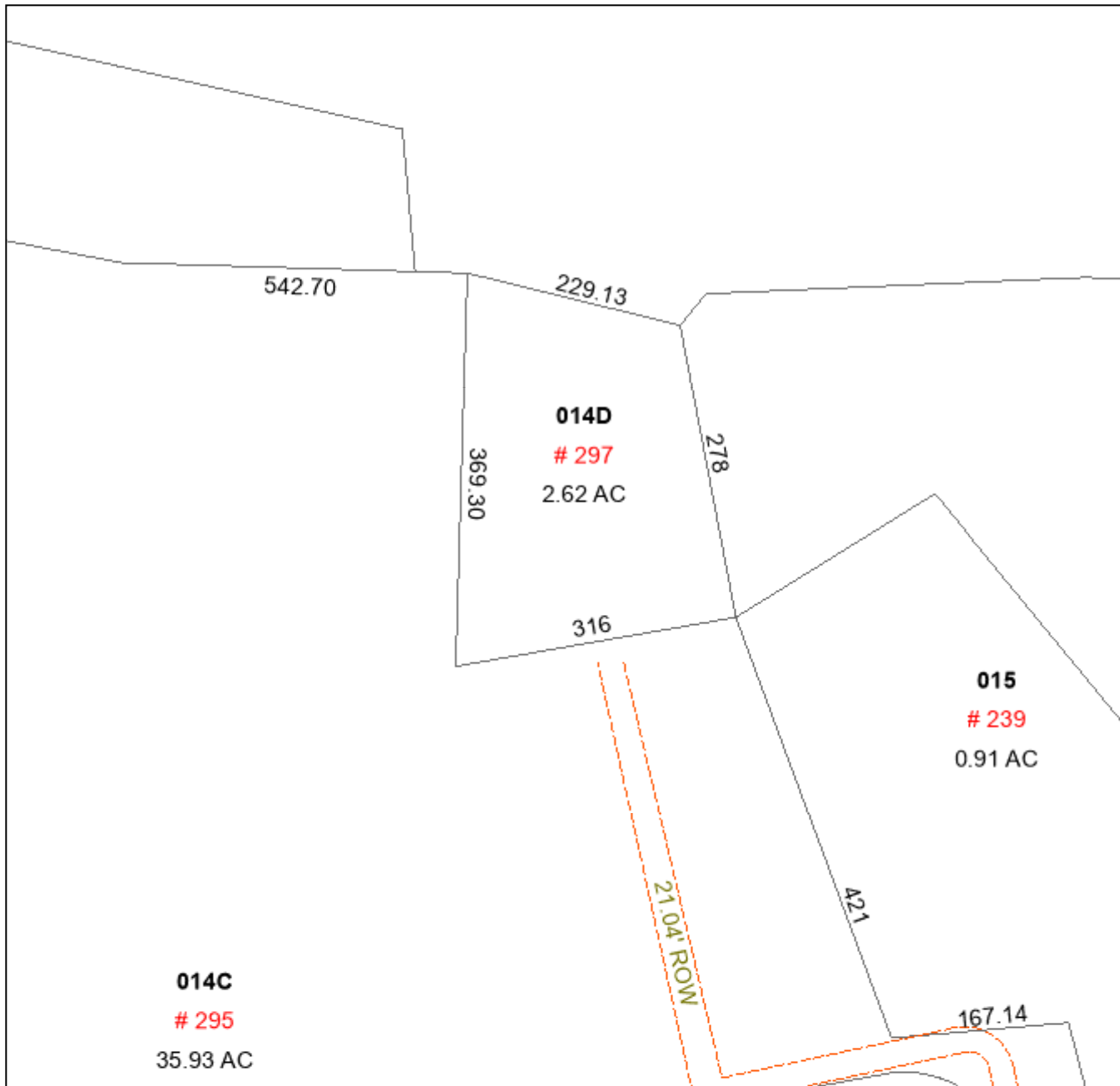
Sale Date	0
Sale Price	0
Book/ Page	163/1122

Town of Plymouth

Geographic Information System (GIS)



Date Printed: 10/27/2020



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 Plymouth and its mapping contractors assume no legal responsibility for the information contained herein.

Approximate Scale: 1 inch = 150 feet

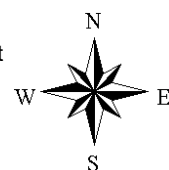


EXHIBIT 5



**Lawrence Behr
Associates** INC
www.lbagroup.com

Radio Frequency Emissions Report

SITE NAME:

302501 Plymouth CT 3

LOCATION:

Plymouth, Connecticut

COMPANY:

American Tower Corporation
Woburn, Massachusetts

October 15th, 2020
Revision 2

Contents

DISCLAIMER NOTICE 2

INTRODUCTION 3

SITE AND FACILITY CONSIDERATIONS..... 3

POWER DENSITY CALCULATIONS..... 4

APPENDIX 1 LOAD LIST 5

APPENDIX 2 AT&T CHANNELS USED..... 6

APPENDIX 3 AT&T ANTENNA INFORMATION 7

APPENDIX 4 FCC OET-65 MPE LIMIT STUDY..... 8

APPENDIX 5 SUMMARY OF POWER DENSITY 9

APPENDIX 6 INFORMATION PERTAINING TO MPE STUDIES 10

APPENDIX 7 MPE STANDARDS METHODOLOGY 12



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 Lawrence Behr Associates, Inc. and its employees harmless and indemnify it for any and all liability, claims, demands, and litigation expenses and attorney's fees arising out of such use.

Work product documents released prior to account settlement remain the sole property of Lawrence Behr Associates, Inc. and must be returned on demand. Underlying work notes and data relating to this document remain the property of Lawrence Behr Associates, Inc. This document shall not be reproduced in whole or part without permission of Lawrence Behr Associates, Inc. Any dispute hereunder shall be adjudicated in North Carolina. Any use or retention of this document constitutes acceptance of these terms, the entire work product, and all charges associated therewith.

COPYRIGHT © 2020 BY
LAWRENCE BEHR ASSOCIATES, INC.
GREENVILLE, NORTH CAROLINA

RADIO FREQUENCY EMISSIONS REPORT

302501 Plymouth CT 3

Plymouth, Connecticut

INTRODUCTION

Lawrence Behr Associates, Inc. (LBA) has been retained by American Tower Corporation (ATC) of Woburn, Massachusetts to evaluate the RF emissions of an existing tower at this location. AT&T is adding emitters to this site and the purpose of this study is to determine if, after the addition of the AT&T emitters, the site is in Compliance with FCC Regulations. This study determined that THIS SITE IS IN COMPLIANCE with Federal Regulations. This study supersedes the one dated September 13th, 2020 since it has been determined that the site Load List was incorrect. The only change in this study is that it incorporates the corrected Load List. All references herein to the equipment are referring to the corrected Load List.

Details regarding the FCC Rules and the methodology used to determine compliance may be seen below.

SITE AND FACILITY CONSIDERATIONS

Site 302501 Plymouth CT 3 is located at 297 North Street in Plymouth, Connecticut at coordinates 41.69308, -73.0537. The support structure is a 186' monopole.

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 LBA

AT&T proposes to add antennas to the tower at the 185' level. The structure already supports several antennas. This study only considers the new AT&T facility in detail.

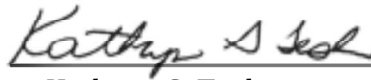
The load list may be seen in Appendix 1. Appendix 2 contains the AT&T channel counts, frequency bands, and power levels. AT&T Antenna information may be seen in Appendix 3.

POWER DENSITY CALCULATIONS

Based upon the provided information and the FCC limits for exposure as outlined in 47 CFR 1.1307(b)(1) - (b)(3), the power levels and percentages of the FCC's allowable general population limit are shown in Appendix 4. Calculations were done at industry standard average head height of six feet above ground level.

A summary of the power density from all emitters may be seen in Appendix 5.

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 5. This site **IS** in compliance with FCC OET-65 MPE limits.



October 15th, 2020
Revision 2

Kathryn G. Tesh
Wireless Services Manager



APPENDIX 1

Load List

Customer	RAD Height (ft)	Equipment Quantity	Equipment Type	Manufacturer	Model Number	Line Quantity	Line size	Mount Type	Azimuths	TX Power	ERP	TX Frequency	RX Frequency
AT&T MOBILITY	185	3	PANEL	Powerwave Aligon	7770.00	6	1 1/4" Coax	Low Profile Platform	23/143/263			1930-1935, 891-894	1885-1890, 846-849
AT&T MOBILITY	185	3	PANEL	CCI	OPA65R-BU6D	0		Low Profile Platform	23/143/263			704-716	728-746
AT&T MOBILITY	185	3	PANEL	CCI	HPA-65R-BUU-H6	0		Low Profile Platform	23/143/263			1930-1935, 1965-1975, 2110-2120, 2345-2360, 716-728, 734-746, 880-893	1710-1720, 1850-1855, 2110-2120, 2305-2320, 704-716, 835-848
AT&T MOBILITY	185	3	PANEL	CCI	DMP65R-BU6DA	0		Low Profile Platform	23/143/263			1850-1865, 1885-1910, 824-845, 869-890	1930-1945, 1965-1990, 845-849, 890-894
TOWN OF THOMASTON	177	1	DISH-HP		HPD2-4.7NS	1	1/2" Coax	Leg	182			4.90	
CONNECTICUT STATE POLICE DEPT OF PUBLIC	157	1	OMNI	Sinclair	SC479-HF1LDF	1	1 5/8" Coax	Stand-Off	190			804, 851-852	774, 806-807
CONNECTICUT STATE POLICE DEPT OF PUBLIC	156	1	OMNI	Scala	OGT9-840	1	1 5/8" Coax	Stand-Off	360			851-852	806-807
CONNECTICUT STATE POLICE DEPT OF PUBLIC	152	1	OMNI	Sinclair	SC479-HF1LDF	1	1 5/8" Coax	Stand-Off	190			804, 851-852	774, 806-807
CONNECTICUT STATE POLICE DEPT OF PUBLIC	150	1	OMNI	Sinclair	SC479-HF1LDF	1	1 5/8" Coax	Stand-Off	190			804, 851-852	774, 806-807
CONNECTICUT STATE POLICE DEPT OF PUBLIC	148	1	OMNI	Sinclair	SC479-HF1LDF	1	1 5/8" Coax	Stand-Off	190			804, 851-852	774, 806-807
CONNECTICUT STATE POLICE DEPT OF PUBLIC	144	2	OMNI	Antel	BCD-80609	2	1 5/8" Coax	Stand-Off	360			851-852	806-807
CONNECTICUT STATE POLICE DEPT OF PUBLIC	143	1	OMNI	Sinclair	SC479-HF1LDF	1	1 5/8" Coax	Stand-Off	190			804, 851-852	774, 806-807
CONNECTICUT STATE POLICE DEPT OF PUBLIC	143	1	OMNI	Sinclair	SC479-HF1LDF	1	1 5/8" Coax	Stand-Off	190			804, 851-852	774, 806-807
TOWN OF THOMASTON	113	1	OMNI	Lone Star Electronics	LS-230	1	1/2" Coax	Side Arm	0			400-430	
TOWN OF THOMASTON	110	1	DISH-HP		VHLP2.6	1	1/2" Coax	Leg	208			11.70	
TOWN OF THOMASTON	100	1	DIPOLE		FSA-10-67-DIN	1	1/2" Coax	Side Arm	270				406-512
CONNECTICUT STATE POLICE DEPT OF PUBLIC	80	1	DISH-STANDARD		PGF-0-9-N7A	1	7/8" Coax	Leg	320			935	

APPENDIX 2

AT&T Channels Used

Antenna	Technology	Frequency Band	Channel Count	Transmitter Power per Channel (W)
AT&T A1	LTE	1900	1	40
AT&T A2	UMTS	850	1	40
AT&T A3	LTE	700	1	40
AT&T A4	LTE	1900	1	40
AT&T A5	LTE	1900	1	40
AT&T A6	LTE	2100	1	40
AT&T A7	LTE	2300	1	40
AT&T A8	LTE	700	1	40
AT&T A9	LTE	700	1	40
AT&T A10	UMTS	850	1	40
AT&T A11	LTE	1800	1	40
AT&T A12	LTE	1900	1	40
AT&T A13	UMTS	850	1	40
AT&T A14	UMTS	850	1	40
AT&T B1	LTE	1900	1	40
AT&T B2	UMTS	850	1	40
AT&T B3	LTE	700	1	40
AT&T B4	LTE	1900	1	40
AT&T B5	LTE	1900	1	40
AT&T B6	LTE	2100	1	40
AT&T B7	LTE	2300	1	40
AT&T B8	LTE	700	1	40
AT&T B9	LTE	700	1	40
AT&T B10	UMTS	850	1	40
AT&T B11	LTE	1800	1	40
AT&T B12	LTE	1900	1	40
AT&T B13	UMTS	850	1	40
AT&T B14	UMTS	850	1	40
AT&T C1	LTE	1900	1	40
AT&T C2	UMTS	850	1	40
AT&T C3	LTE	700	1	40
AT&T C4	LTE	1900	1	40
AT&T C5	LTE	1900	1	40
AT&T C6	LTE	2100	1	40
AT&T C7	LTE	2300	1	40
AT&T C8	LTE	700	1	40
AT&T C9	LTE	700	1	40
AT&T C10	UMTS	850	1	40
AT&T C11	LTE	1800	1	40
AT&T C12	LTE	1900	1	40
AT&T C13	UMTS	850	1	40
AT&T C14	UMTS	850	1	40



APPENDIX 3

AT&T Antenna Information

Sector	Antenna Number	Antenna Make / Model	Antenna Centerline (ft)
A	AT&T A1	Powerwave Allgon 7770.00	185
A	AT&T A2	Powerwave Allgon 7770.00	185
A	AT&T A3	CCI OPA65R-BU6D	185
A	AT&T A4	CCI HPA-65R-BUU-H6	185
A	AT&T A5	CCI HPA-65R-BUU-H6	185
A	AT&T A6	CCI HPA-65R-BUU-H6	185
A	AT&T A7	CCI HPA-65R-BUU-H6	185
A	AT&T A8	CCI HPA-65R-BUU-H6	185
A	AT&T A9	CCI HPA-65R-BUU-H6	185
A	AT&T A10	CCI HPA-65R-BUU-H6	185
A	AT&T A11	CCI DMP65R-BU6DA	185
A	AT&T A12	CCI DMP65R-BU6DA	185
A	AT&T A13	CCI DMP65R-BU6DA	185
A	AT&T A14	CCI DMP65R-BU6DA	185
B	AT&T B1	Powerwave Allgon 7770.00	185
B	AT&T B2	Powerwave Allgon 7770.00	185
B	AT&T B3	CCI OPA65R-BU6D	185
B	AT&T B4	CCI HPA-65R-BUU-H6	185
B	AT&T B5	CCI HPA-65R-BUU-H6	185
B	AT&T B6	CCI HPA-65R-BUU-H6	185
B	AT&T B7	CCI HPA-65R-BUU-H6	185
B	AT&T B8	CCI HPA-65R-BUU-H6	185
B	AT&T B9	CCI HPA-65R-BUU-H6	185
B	AT&T B10	CCI HPA-65R-BUU-H6	185
B	AT&T B11	CCI DMP65R-BU6DA	185
B	AT&T B12	CCI DMP65R-BU6DA	185
B	AT&T B13	CCI DMP65R-BU6DA	185
B	AT&T B14	CCI DMP65R-BU6DA	185
C	AT&T C1	Powerwave Allgon 7770.00	185
C	AT&T C2	Powerwave Allgon 7770.00	185
A	AT&T C3	CCI OPA65R-BU6D	185
C	AT&T C4	CCI HPA-65R-BUU-H6	185
C	AT&T C5	CCI HPA-65R-BUU-H6	185
C	AT&T C6	CCI HPA-65R-BUU-H6	185
C	AT&T C7	CCI HPA-65R-BUU-H6	185
C	AT&T C8	CCI HPA-65R-BUU-H6	185
C	AT&T C9	CCI HPA-65R-BUU-H6	185
C	AT&T C10	CCI HPA-65R-BUU-H6	185
C	AT&T C11	CCI DMP65R-BU6DA	185
C	AT&T C12	CCI DMP65R-BU6DA	185
C	AT&T C13	CCI DMP65R-BU6DA	185
C	AT&T C14	CCI DMP65R-BU6DA	185



APPENDIX 4

FCC OET-65 MPE Limit Study

Antenna ID	Antenna Make / Model	Frequency Band	Antenna Gain (dBd)	Antenna Height (ft)	Channel Count	TX Power (W)	ERP (W) (All Channels)	Total Power Density ($\mu\text{W}/\text{cm}^2$)	Allowable Public MPE ($\mu\text{W}/\text{cm}^2$)	Public MPE%
AT&T A1	Powerwave Allgon 7770.00	1900	13.35	185	1	40	1419.25	0.3016353	1000.00	0.030164%
AT&T A2	Powerwave Allgon 7770.00	850	11.45	185	1	40	916.35	0.1264381	566.67	0.022313%
AT&T A3	CCI OPA65R-BU6D	700	12.15	185	1	40	1076.61	0.0679183	466.67	0.014554%
AT&T A4	CCI HPA-65R-BUU-H6	1900	14.75	185	1	40	1959.12	0.3560429	1000.00	0.035604%
AT&T A5	CCI HPA-65R-BUU-H6	1900	14.75	185	1	40	1959.12	0.3560429	1000.00	0.035604%
AT&T A6	CCI HPA-65R-BUU-H6	2100	15.05	185	1	40	2099.23	1.2168166	1000.00	0.121682%
AT&T A7	CCI HPA-65R-BUU-H6	2300	15.05	185	1	40	2099.23	1.2168166	1000.00	0.121682%
AT&T A8	CCI HPA-65R-BUU-H6	700	11.95	185	1	40	1028.16	0.0648615	466.67	0.013899%
AT&T A9	CCI HPA-65R-BUU-H6	700	11.95	185	1	40	1028.16	0.0648615	466.67	0.013899%
AT&T A10	CCI HPA-65R-BUU-H6	850	12.65	185	1	40	1207.98	0.0510036	566.67	0.009001%
AT&T A11	CCI DMP65R-BU6DA	1800	15.55	185	1	40	2355.37	2.5177805	1000.00	0.251778%
AT&T A12	CCI DMP65R-BU6DA	1900	15.55	185	1	40	2355.37	2.5177805	1000.00	0.251778%
AT&T A13	CCI DMP65R-BU6DA	850	12.45	185	1	40	1153.61	0.0727758	566.67	0.012843%
AT&T A14	CCI DMP65R-BU6DA	850	12.45	185	1	40	1153.61	0.0727758	566.67	0.012843%
AT&T B1	Powerwave Allgon 7770.00	1900	13.35	185	1	40	1419.25	0.3016353	1000.00	0.030164%
AT&T B2	Powerwave Allgon 7770.00	850	11.45	185	1	40	916.35	0.1264381	566.67	0.022313%
AT&T B3	CCI OPA65R-BU6D	700	12.15	185	1	40	1076.61	0.0679183	466.67	0.014554%
AT&T B4	CCI HPA-65R-BUU-H6	1900	14.75	185	1	40	1959.12	0.3560429	1000.00	0.035604%
AT&T B5	CCI HPA-65R-BUU-H6	1900	14.75	185	1	40	1959.12	0.3560429	1000.00	0.035604%
AT&T B6	CCI HPA-65R-BUU-H6	2100	15.05	185	1	40	2099.23	1.2168166	1000.00	0.121682%
AT&T B7	CCI HPA-65R-BUU-H6	2300	15.05	185	1	40	2099.23	1.2168166	1000.00	0.121682%
AT&T B8	CCI HPA-65R-BUU-H6	700	11.95	185	1	40	1028.16	0.0648615	466.67	0.013899%
AT&T B9	CCI HPA-65R-BUU-H6	700	11.95	185	1	40	1028.16	0.0648615	466.67	0.013899%
AT&T B10	CCI HPA-65R-BUU-H6	850	12.65	185	1	40	1207.98	0.0510036	566.67	0.009001%
AT&T B11	CCI DMP65R-BU6DA	1800	15.55	185	1	40	2355.37	2.5177805	1000.00	0.251778%
AT&T B12	CCI DMP65R-BU6DA	1900	15.55	185	1	40	2355.37	2.5177805	1000.00	0.251778%
AT&T B13	CCI DMP65R-BU6DA	850	12.45	185	1	40	1153.61	0.0727758	566.67	0.012843%
AT&T B14	CCI DMP65R-BU6DA	850	12.45	185	1	40	1153.61	0.0727758	566.67	0.012843%
AT&T C1	Powerwave Allgon 7770.00	1900	13.35	185	1	40	1419.25	0.3016353	1000.00	0.030164%
AT&T C2	Powerwave Allgon 7770.00	850	11.45	185	1	40	916.35	0.1264381	566.67	0.022313%
AT&T C3	CCI OPA65R-BU6D	700	12.15	185	1	40	1076.61	0.0679183	466.67	0.014554%
AT&T C4	CCI HPA-65R-BUU-H6	1900	14.75	185	1	40	1959.12	0.3560429	1000.00	0.035604%
AT&T C5	CCI HPA-65R-BUU-H6	1900	14.75	185	1	40	1959.12	0.3560429	1000.00	0.035604%
AT&T C6	CCI HPA-65R-BUU-H6	2100	15.05	185	1	40	2099.23	1.2168166	1000.00	0.121682%
AT&T C7	CCI HPA-65R-BUU-H6	2300	15.05	185	1	40	2099.23	1.2168166	1000.00	0.121682%
AT&T C8	CCI HPA-65R-BUU-H6	700	11.95	185	1	40	1028.16	0.0648615	466.67	0.013899%
AT&T C9	CCI HPA-65R-BUU-H6	700	11.95	185	1	40	1028.16	0.0648615	466.67	0.013899%
AT&T C10	CCI HPA-65R-BUU-H6	850	12.65	185	1	40	1207.98	0.0510036	566.67	0.009001%
AT&T C11	CCI DMP65R-BU6DA	1800	15.55	185	1	40	2355.37	2.5177805	1000.00	0.251778%
AT&T C12	CCI DMP65R-BU6DA	1900	15.55	185	1	40	2355.37	2.5177805	1000.00	0.251778%
AT&T C13	CCI DMP65R-BU6DA	850	12.45	185	1	40	1153.61	0.0727758	566.67	0.012843%
AT&T C14	CCI DMP65R-BU6DA	850	12.45	185	1	40	1153.61	0.0727758	566.67	0.012843%
AT&T All Sectors									Total:	2.8429%



APPENDIX 5

Summary of Power Density

Carriers	Power Density Value (% of General Population)
AT&T All Sectors:	2.8429%
Other Carriers:	2.0485%
Site Total:	4.8914%
Site Compliance Status:	Compliant



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/cm²), 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).

The FCC guidelines define two separate tiers of exposure limits. As defined by the FCC, these limits are:

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.

For the purposes of this study, only General population/uncontrolled exposure limits were studied.

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



Where:

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

Where:

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®
C O R P O R A T I O N

Structural Analysis Report

Structure : 180 ft Monopole
ATC Site Name : Plymouth CT 3, CT
ATC Asset Number : 302501
Engineering Number : 13213650_C3_07
Proposed Carrier : AT&T Mobility
Carrier Site Name : MRCTB047182
Carrier Site Number : CTL01056
Site Location : 297 North Street
Plymouth, CT 06782-2009
41.693100,-73.053700
County : Litchfield
Date : August 19, 2020
Max Usage : 99%
Result : Pass

Prepared By:
Kevin Swiercz
Structural Engineer II

Reviewed By:



COA: PEC.0001553



Table of Contents

Introduction	1
Supporting Documents	1
Analysis	1
Conclusion.....	1
Existing and Reserved Equipment.....	2
Equipment to be Removed.....	2
Proposed Equipment	2
Structure Usages	3
Foundations	3
Deflection and Sway	3
Standard Conditions	4
Calculations	Attached

Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 180 ft monopole to reflect the change in loading by AT&T Mobility.

Supporting Documents

Tower Drawings	Valmont Drawing #DC0732Z, dated January 30, 1991
Foundation Drawing	SNET Job #3C238, dated April 24, 1990
Geotechnical Report	GEOServices, LLC Project #21-07254, dated December 2, 2008

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:	113 mph (3-Second Gust)
Basic Wind Speed w/ Ice:	49 mph (3-Second Gust) w/ 7/8" radial ice concurrent
Code:	ANSI/TIA-222-H / 2015 IBC / 2018 Connecticut State Building Code
Exposure Category:	B
Risk Category:	II
Topographic Factor Procedure:	Method 1
Topographic Category:	1
Crest Height (H):	0 ft
Spectral Response:	$S_s = 0.19$, $S_1 = 0.06$
Site Class:	D - Stiff Soil

**Wind load and Ice thickness have been reduced by applicable existing structure load modification factors in accordance with TIA-222-H, Annex S.

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
186.0	1	Generic 6' Omni	-	-	OTHER
185.0	1	Raycap DC6-48-60-18-8F ("Squid")	-	(1) 0.39" (10mm) Fiber Trunk (2) 0.78" (19.7mm) 8 AWG 6 (6) 1 1/4" Coax	AT&T MOBILITY
	6	Powerwave Allgon LGP21401			
	3	Ericsson RRUS 32 B2			
	3	Powerwave Allgon 7770.00			
	3	CCI HPA-65R-BUU-H6			
177.0	2	Motorola PTP 800 ODU	Flush	(4) 0.405" (10.3mm) Coax (1) 1/2" Coax	TOWN OF THOMASTON
	1	Radio Waves HPD2-4.7NS			
170.0	3	RFS APXV18-206517S-C	Flush	(6) 1 5/8" Coax	METRO PCS INC
157.0	1	Sinclair SC479-HF1LDF	Stand-Offs	(2) 1 5/8" Coax	CONNECTICUT STATE POLICE DEPT OF PUBLIC
156.0	1	Scala OGT9-840			
150.0	1	Bird 432-83H-01-T	Stand-Offs	(1) 1/2" Coax	
144.0	2	Antel BCD-80609	Stand-Offs	(4) 1 5/8" Coax	
143.0	1	Sinclair SC479-HF1LDF			
	1	Sinclair SC479-HF1LDF			
113.0	1	Lone Star Electronics LS-230	Side Arm	(2) 1/2" Coax	TOWN OF THOMASTON
110.0	1	Andrew VHLP2.6			
	2	Motorola PTP 800 ODU			
100.0	1	Bird FSA-10-67-DIN	Stand-Offs	(1) 1/2" Coax	
88.0	2	Generic Radio/ODU	Flush	-	
80.0	1	Andrew Microwaves P6F-0-9-N7A	Flush	(1) 7/8" Coax	

Equipment to be Removed

Elev. ¹ (ft)	Qty	Antenna	Mount Type	Lines	Carrier
185.0	3	Powerwave Allgon 7770.00	Low Profile Platform	(1) 3" Conduit	AT&T Mobility
	6	Powerwave Allgon LGP21901			
	1	Andrew ABT-DFDM-ADB			
	3	Ericsson RRUS 11 B12			
	3	Ericsson A2 Module (15.1" Height)			

Proposed Equipment

Elev. ¹ (ft)	Qty	Antenna	Mount Type	Lines	Carrier
185.0	3	CCI OPA65R-BU6D	Low Profile Platform with Proposed Handrails	(1) 0.39" (10mm) Fiber Trunk (2) 0.78" (19.7mm) 8 AWG 6 (2) 2" conduit	AT&T MOBILITY
	3	Ericsson RRUS 4449 B5, B12			
	3	CCI DMP65R-BU6DA			
	1	Raycap DC6-48-60-18-8F ("Squid")			
	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 coax inside the pole shaft.

Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Anchor Bolts	99%	Pass
Shaft	89%	Pass
Base Plate	12%	Pass
Flange Plate	66%	Pass

Foundations

Reaction Component	Analysis Reactions	% of Usage
Moment (Kips-Ft)	2,705.0	92%
Axial (Kips)	35.1	59%
Shear (Kips)	23.5	50%

The structure base reactions resulting from this analysis were found to be acceptable through analysis based on geotechnical and foundation information, therefore no modification or reinforcement of the foundation will be required.

Deflection and Sway*

Antenna Elevation (ft)	Antenna	Carrier	Deflection (ft)	Sway (Rotation) (°)
177.0	Radio Waves HPD2-4.7NS	TOWN OF THOMASTON	4.775	3.186
110.0	Andrew VHLP2.6		1.733	1.897
80.0	Andrew Microwaves P6F-0-9-N7A	CONNECTICUT STATE POLICE DEPT	0.895	1.320

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



Standard Conditions

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

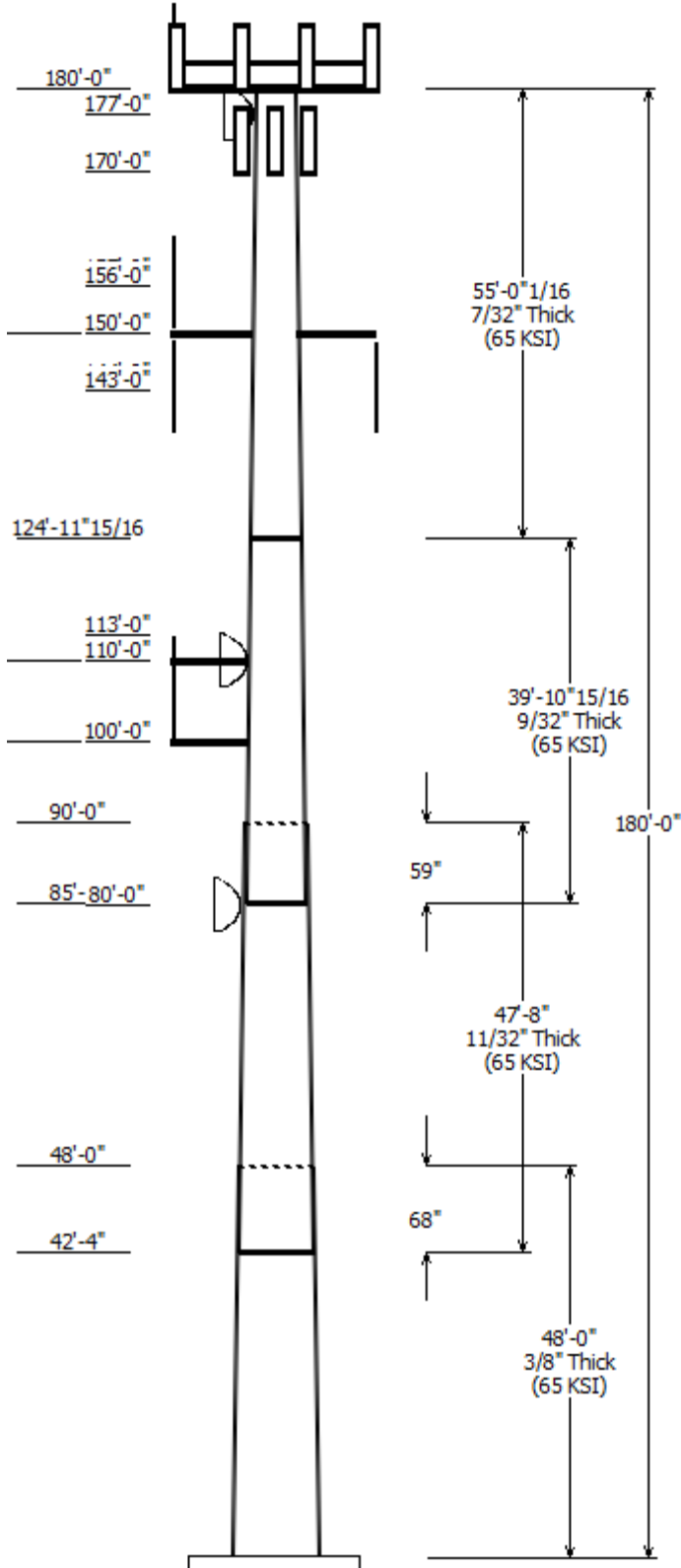
- Information supplied by the client regarding antenna, mounts and feed line loading
- Information from drawings, design and analysis documents, and field notes in the possession of A.T. Engineering Service, PLLC

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

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

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

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



Job Information

Client : AT&T MOBILITY
Pole : 302501 Code: ANSI/TIA-222-H
Location : Plymouth CT 3, CT
Description : 180 ft Valmont Monopole
Shape : 12 Sides
Height : 180.00 (ft)
Base Elev (ft): 0.00
Taper: 0.17000(in/ft)

Risk Category : II
Exposure : B
Topo Method : Method 1
Topographic Category : 1

Sections Properties

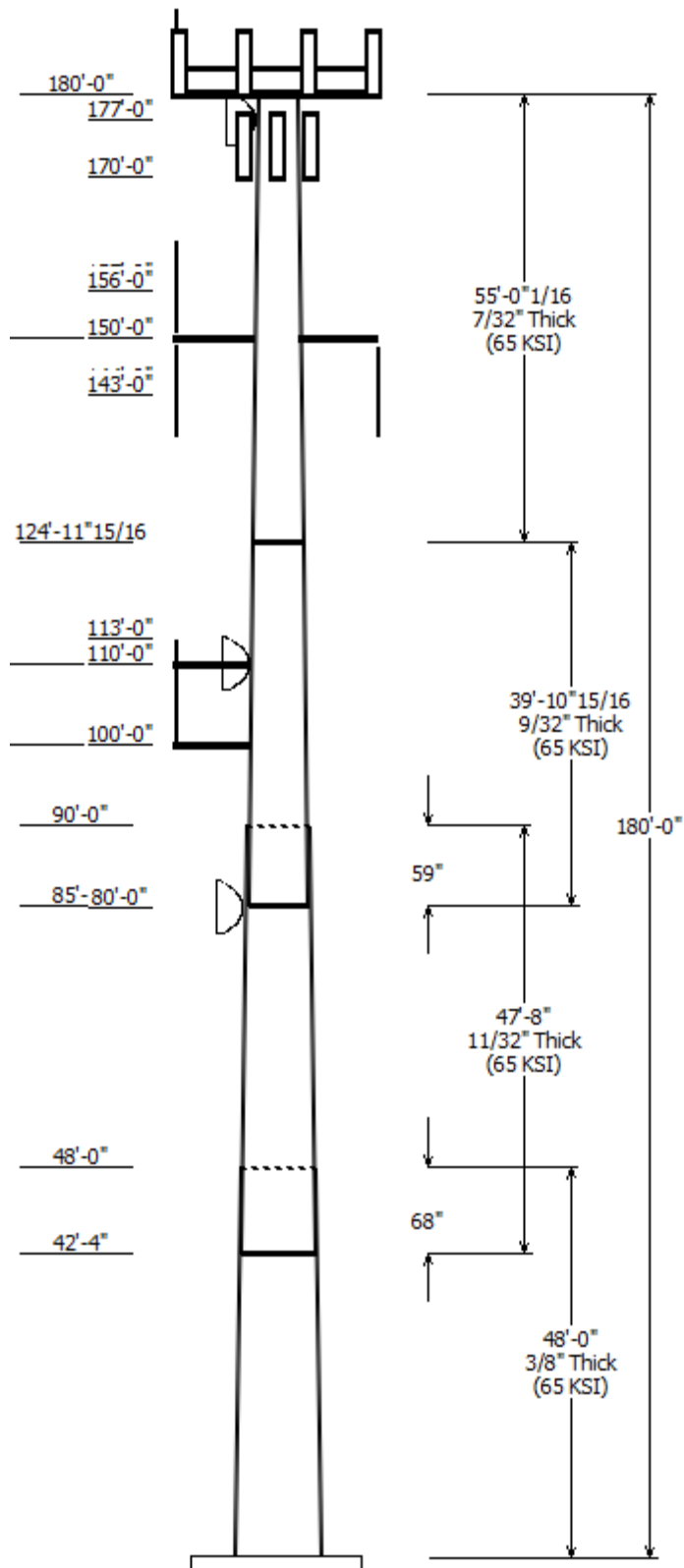
Shaft Section	Length (ft)	Diameter (in)		Thick (in)	Joint Type	Overlap Length (in)	Steel Grade
		Across Flats Top	Across Flats Bottom				
1	48.000	35.84	44.00	0.375		0.000	12 Sides 65
2	47.667	29.38	37.49	0.344	Slip Joint	67.990	12 Sides 65
3	39.910	24.00	30.78	0.281	Slip Joint	59.000	12 Sides 65
4	55.006	14.65	24.00	0.219	Butt Joint	0.000	12 Sides 65

Discrete Appurtenance

Attach Elev (ft)	Force Elev (ft)	Qty	Description
180.000	185.000	3	CCI OPA65R-BU6D
180.000	185.000	3	CCI DMP65R-BU6DA
180.000	185.000	3	CCI HPA-65R-BUU-H6
180.000	185.000	3	Powerwave Allgon 7770.00
180.000	185.000	3	Ericsson RRUS 32 B2
180.000	185.000	3	Ericsson RRUS 4478 B14
180.000	185.000	3	Ericsson RRUS 4449 B5, B12
180.000	185.000	2	Raycap DC6-48-60-18-8F
180.000	185.000	6	Powerwave Allgon LGP21401
180.000	186.000	1	Generic 6' Omni
180.000	180.000	1	Generic Round Platform with
177.000	177.000	1	Radio Waves HPD2-4.7NS
177.000	177.000	2	Motorola PTP 800 ODU
170.000	172.000	3	RFS APXV18-206517S-C
157.000	157.000	1	Sinclair SC479-HF1LDF
156.000	156.000	1	Scala OGT9-840
150.000	150.000	2	Stand-Off
150.000	150.000	1	Bird 432-83H-01-T
144.000	144.000	2	Antel BCD-80609
143.000	143.000	1	Sinclair SC479-HF1LDF
143.000	143.000	1	Sinclair SC479-HF1LDF
113.000	110.000	1	Lone Star Electronics LS-230
110.000	110.000	1	Flat Side Arm
110.000	110.000	1	Andrew VHL2.6
110.000	110.000	2	Motorola PTP 800 ODU
100.000	100.000	1	Stand-Off
100.000	102.000	1	Bird FSA-10-67-DIN
80.000	80.000	2	Generic Radio/ODU
80.000	80.000	1	Andrew Microwaves P6F-0-9-

Linear Appurtenance

Elev (ft)	From	To	Description	Exposed To Wind
0.000	80.000		7/8" Coax	No
0.000	100.0		1/2" Coax	No
0.000	110.0		1/2" Coax	No
0.000	113.0		1/2" Coax	No
0.000	143.0		1 5/8" Coax	No
0.000	143.0		1 5/8" Coax	No
0.000	143.0		1 5/8" Coax	No
0.000	143.0		1 5/8" Coax	No
0.000	144.0		1 5/8" Coax	Yes



0.000	150.0	1/2" Coax	Yes
0.000	156.0	1 5/8" Coax	Yes
0.000	157.0	1 5/8" Coax	Yes
0.000	170.0	1 5/8" Coax	Yes
0.000	177.0	0.405" (10.3mm)	No
0.000	177.0	1/2" Coax	No
0.000	185.0	0.39" (10mm)	No
0.000	185.0	0.39" (10mm)	No
0.000	185.0	0.78" (19.7mm) 8	No
0.000	185.0	0.78" (19.7mm) 8	No
0.000	185.0	1 1/4" Coax	No
0.000	185.0	2" conduit	No

Load Cases

1.2D + 1.0W	113 mph with No Ice
0.9D + 1.0W	113 mph with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	49 mph with 0.85 in Radial Ice
1.2D + 1.0Ev + 1.0Eh	Seismic
0.9D - 1.0Ev + 1.0Eh	Seismic (Reduced DL)
1.0D + 1.0W	Serviceability 60 mph

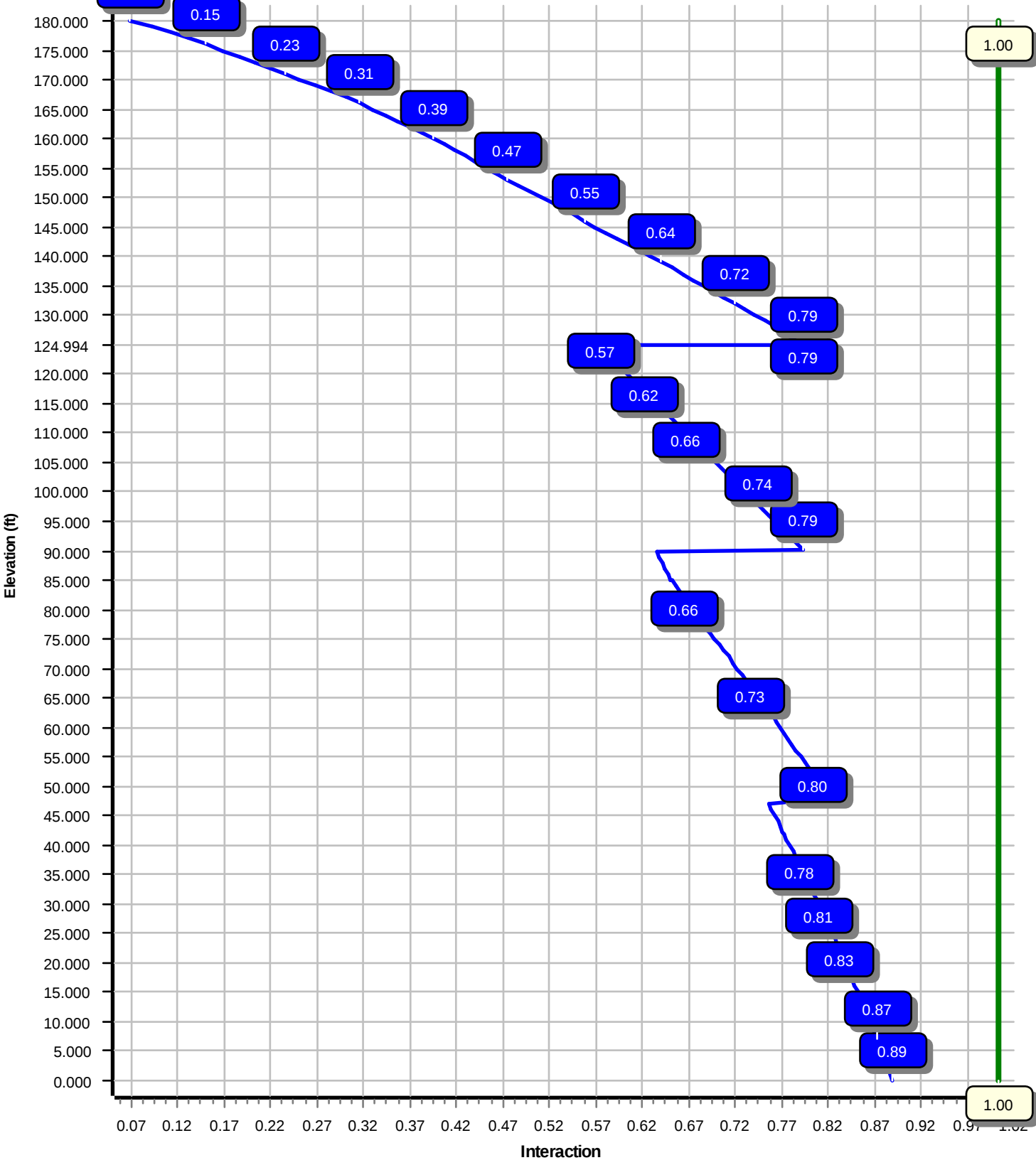
Reactions

Load Case	Moment (kip-ft)	Shear (kip)	Axial (kip)
1.2D + 1.0W	2705.04	23.53	35.06
0.9D + 1.0W	2643.53	23.52	26.29
1.2D + 1.0Di + 1.0Wi	693.67	5.38	48.30
1.2D + 1.0Ev + 1.0Eh	141.17	0.88	36.00
0.9D - 1.0Ev + 1.0Eh	136.30	0.87	24.94
1.0D + 1.0W	674.28	5.93	29.22

Dish Deflections

Load Case	Attach Elev (ft)	Deflection (in)	Rotation (deg)
1.0D + 1.0W	80.00	10.735	1.320
1.0D + 1.0W	110.00	20.791	1.897
1.0D + 1.0W	177.00	57.295	3.186

Load Case : 1.2D + 1.0W
Max Ratio 88.60% at 0.0 ft



Site Number: 302501**Code: ANSI/TIA-222-H**

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT**Engineering Number: 13213650_C3_07****8/19/2020 1:11:43 PM****Customer: AT&T MOBILITY**

Analysis Parameters

Location :	Litchfield County, CT	Height (ft) :	180
Code :	ANSI/TIA-222-H	Base Diameter (in) :	44.00
Shape :	12 Sides	Top Diameter (in) :	14.65
Pole Type :	Taper	Taper (in/ft) :	0.170
Pole Manufacturer :	Valmont	Rotation (deg) :	0.00
Kd (non-service) :	0.95	Ke :	0.97

Ice & Wind Parameters

Exposure Category:	B	Design Wind Speed Without Ice:	113 mph
Risk Category:	II	Design Wind Speed With Ice:	49 mph
Topographic Factor Procedure:	Method 1	Operational Wind Speed:	60 mph
Topographic Category:	1	Design Ice Thickness:	0.85 in
Crest Height:	0 ft	HMSL:	818.00 ft

Seismic Parameters

Analysis Method:	Equivalent Lateral Force Method		
Site Class:	D - Stiff Soil		
Period Based on Rayleigh Method (sec):	3.74		
T_L (sec):	6	p:	1
S_s :	0.190	S_1 :	0.060
F_a :	1.600	F_v :	2.400
S_{ds} :	0.203	S_{d1} :	0.096
		C_s :	0.030
		C_s Max:	0.030
		C_s Min:	0.030

Load Cases

1.2D + 1.0W	113 mph with No Ice
0.9D + 1.0W	113 mph with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	49 mph with 0.85 in Radial Ice
1.2D + 1.0Ev + 1.0Eh	Seismic
0.9D - 1.0Ev + 1.0Eh	Seismic (Reduced DL)
1.0D + 1.0W	Serviceability 60 mph

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:11:43 PM

Customer: AT&T MOBILITY

Shaft Section Properties

Shaft Section Properties							Bottom				Top								
Sect Info	Length (ft)	Thick (in)	Fy (ksi)	Slip		Weight (lb)	Dia (in)	Elev (ft)	Area (in ²)	Ix (in ⁴)	W/t Ratio	D/t Ratio	Dia (in)	Elev (ft)	Area (in ²)	Ix (in ⁴)	W/t Ratio	D/t Ratio	Taper (in/ft)
				Joint Type	Joint Len (in)														
1-12	48.000	0.3750	65		0.00	7,799	44.00	0.00	52.68	12796.2	28.76	117.33	35.84	48.00	42.82	6875.0	22.93	95.57	0.170000
2-12	47.667	0.3438	65	Slip	67.99	5,942	37.49	42.33	41.12	7241.9	26.54	109.06	29.38	90.00	32.15	3461.3	20.23	85.49	0.170000
3-12	39.910	0.2813	65	Slip	59.00	3,334	30.78	85.08	27.63	3281.1	26.65	109.46	24.00	124.99	21.48	1542.6	20.19	85.34	0.170000
4-12	55.006	0.2188	65	Butt	0.00	2,519	24.00	124.99	16.75	1209.3	26.72	109.72	14.65	180.00	10.16	270.2	15.27	66.97	0.170000
Shaft Weight						19,594													

Discrete Appurtenance Properties

Attach Elev (ft)	Description	Qty	Ka	Vert Ecc (ft)	Weight (lb)	No Ice EPAA (sf)	Orientation Factor	Weight (lb)	Ice EPAA (sf)	Orientation Factor
180.00	Powerwave Allgon LGP21401	6	0.75	5.000	14.10	1.104	0.50	28.52	1.517	0.50
180.00	Raycap DC6-48-60-18-8F	2	0.75	5.000	31.80	1.470	0.50	67.47	1.874	0.50
180.00	Generic 6' Omni	1	1.00	6.000	25.00	1.760	1.00	51.65	2.487	1.00
180.00	Ericsson RRUS 4449 B5, B12	3	0.75	5.000	71.00	1.969	0.50	108.26	2.508	0.50
180.00	Ericsson RRUS 4478 B14	3	0.75	5.000	59.40	2.021	0.50	94.88	2.566	0.50
180.00	Ericsson RRUS 32 B2	3	0.75	5.000	53.00	2.743	0.50	95.52	3.419	0.50
180.00	Powerwave Allgon 7770.00	3	0.75	5.000	35.00	5.508	0.65	105.61	6.098	0.65
180.00	CCI HPA-65R-BUU-H6	3	0.75	5.000	51.00	9.658	0.64	177.84	11.261	0.64
180.00	CCI DMP65R-BU6DA	3	0.75	5.000	79.40	12.709	0.63	228.32	14.321	0.63
180.00	CCI OPA65R-BU6D	3	0.75	5.000	63.20	12.871	0.63	214.29	14.488	0.63
180.00	Generic Round Platform with	1	1.00	0.000	2,500.00	27.200	1.00	3,436.39	41.332	1.00
177.00	Motorola PTP 800 ODU	2	1.00	0.000	10.10	0.919	0.50	23.73	1.288	0.50
177.00	Radio Waves HPD2-4.7NS	1	1.00	0.000	27.00	3.960	0.63	74.97	4.637	0.63
170.00	RFS APXV18-206517S-C	3	1.00	2.000	26.40	5.160	0.64	79.66	6.520	0.64
157.00	Sinclair SC479-HF1LDF	1	1.00	0.000	34.00	5.030	1.00	104.79	7.959	1.00
156.00	Scala OGT9-840	1	1.00	0.000	18.50	2.270	1.00	72.04	4.596	1.00
150.00	Bird 432-83H-01-T	1	0.90	0.000	25.00	1.400	0.50	49.61	1.845	0.50
150.00	Stand-Off	2	0.90	0.000	100.00	3.000	0.90	127.68	3.890	0.90
144.00	Antel BCD-80609	2	1.00	0.000	26.50	2.947	1.00	90.05	5.253	1.00
143.00	Sinclair SC479-HF1LDF	1	1.00	0.000	34.00	5.030	1.00	104.13	7.932	1.00
143.00	Sinclair SC479-HF1LDF	1	1.00	0.000	34.00	5.030	1.00	104.13	7.932	1.00
113.00	Lone Star Electronics LS-230	1	1.00	-3.000	11.00	1.610	1.00	34.54	3.008	1.00
110.00	Motorola PTP 800 ODU	2	1.00	0.000	10.10	0.919	0.50	23.10	1.271	0.50
110.00	Flat Side Arm	1	1.00	0.000	150.00	6.300	1.00	190.25	7.652	1.00
110.00	Andrew VHLP2.6	1	1.00	0.000	48.00	8.420	0.49	142.83	9.356	0.49
100.00	Bird FSA-10-67-DIN	1	1.00	2.000	9.00	1.410	1.00	35.84	3.319	1.00
100.00	Stand-Off	1	1.00	0.000	100.00	3.000	1.00	126.58	3.854	1.00
80.00	Generic Radio/ODU	2	1.00	0.000	30.00	1.600	0.50	57.25	2.048	0.50
80.00	Andrew Microwaves P6F-0-9-N7A	1	1.00	0.000	134.00	52.839	1.00	409.05	55.428	1.00
Totals	Num Loadings:29	56			4,966.30			9,199.67		

Linear Appurtenance Properties

Load Case Azimuth (deg) :

Elev From (ft)	Elev To (ft)	Qty	Description	Coax Dia (in)	Coax Wt (lb/ft)	Max Coax / Flat	Dist Between Rows (in)	Dist Between Cols (in)	Dist Azimuth (deg)	Dist Exposed From Face (in)	Dist Exposed To Wind Carrier
0.00	185.00	2	0.39" (10mm) Fiber	0.39	0.06	N	0	0.00	0.00	0	AT&T MOBILITY
0.00	185.00	1	0.39" (10mm) Fiber	0.39	0.06	N	0	0.00	0.00	0	AT&T MOBILITY
0.00	185.00	4	0.78" (19.7mm) 8 AWG	0.78	0.59	N	0	0.00	0.00	0	AT&T MOBILITY
0.00	185.00	2	0.78" (19.7mm) 8 AWG	0.78	0.59	N	0	0.00	0.00	0	AT&T MOBILITY
0.00	185.00	6	1 1/4" Coax	1.55	0.63	N	0	0.00	0.00	0	AT&T MOBILITY
0.00	185.00	2	2" conduit	2.38	3.65	N	0	0.00	0.00	0	AT&T MOBILITY
0.00	177.00	4	0.405" (10.3mm) Coax	0.41	0.11	N	0	0.00	0.00	0	TOWN OF

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:11:43 PM

Customer: AT&T MOBILITY

0.00	177.00	1	1/2" Coax	0.63	0.15	N	0	0.00	0.00	0	0.00	N	TOWN OF
0.00	170.00	6	1 5/8" Coax	1.98	0.82	N	6	1.00	1.00	180	1.00	Y	METRO PCS INC
0.00	157.00	1	1 5/8" Coax	1.98	0.82	N	1	1.00	1.00	70	1.00	Y	CONNECTICUT
0.00	156.00	1	1 5/8" Coax	1.98	0.82	N	1	1.00	1.00	80	1.00	Y	CONNECTICUT
0.00	150.00	1	1/2" Coax	0.63	0.15	N	1	1.00	1.00	110	1.00	Y	CONNECTICUT
0.00	144.00	2	1 5/8" Coax	1.98	0.82	N	1	1.00	1.00	90	1.00	Y	CONNECTICUT
0.00	143.00	1	1 5/8" Coax	1.98	0.82	N	0	0.00	0.00	0	0.00	N	CONNECTICUT
0.00	143.00	1	1 5/8" Coax	1.98	0.82	N	0	0.00	0.00	0	0.00	N	CONNECTICUT
0.00	143.00	2	1 5/8" Coax	1.98	0.82	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
0.00	113.00	1	1/2" Coax	0.63	0.15	N	0	0.00	0.00	0	0.00	N	TOWN OF
0.00	110.00	1	1/2" Coax	0.63	0.15	N	0	0.00	0.00	0	0.00	N	TOWN OF
0.00	100.00	1	1/2" Coax	0.63	0.15	N	0	0.00	0.00	0	0.00	N	TOWN OF
0.00	80.00	1	7/8" Coax	1.09	0.33	N	0	0.00	0.00	0	0.00	N	CONNECTICUT

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:11:43 PM

Customer: AT&T MOBILITY

Segment Properties (Max Len : 1. ft)

Seg Top Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in ²)	Ix (in ⁴)	W/t Ratio	D/t Ratio	F'y (ksi)	S (in ³)	Z (in ³)	Weight (lb)
0.00		0.3750	44.000	52.677	12,796.2	28.76	117.33	73.3	561.8	0.0	0.0
1.00		0.3750	43.830	52.472	12,647.1	28.64	116.88	73.5	557.4	0.0	178.9
2.00		0.3750	43.660	52.267	12,499.3	28.52	116.43	73.6	553.1	0.0	178.2
3.00		0.3750	43.490	52.061	12,352.6	28.40	115.97	73.7	548.7	0.0	177.5
3.94		0.3750	43.330	51.868	12,215.8	28.28	115.55	73.9	544.6	0.0	166.2
4.00		0.3750	43.320	51.856	12,207.1	28.27	115.52	73.9	544.4	0.0	10.6
5.00		0.3750	43.150	51.651	12,062.7	28.15	115.07	74.0	540.1	0.0	176.1
6.00		0.3750	42.980	51.446	11,919.4	28.03	114.61	74.1	535.7	0.0	175.4
7.00		0.3750	42.810	51.240	11,777.3	27.91	114.16	74.3	531.5	0.0	174.7
8.00		0.3750	42.640	51.035	11,636.3	27.79	113.71	74.4	527.2	0.0	174.0
9.00		0.3750	42.470	50.830	11,496.5	27.67	113.25	74.5	522.9	0.0	173.3
10.00		0.3750	42.300	50.624	11,357.7	27.55	112.80	74.7	518.7	0.0	172.6
11.00		0.3750	42.130	50.419	11,220.1	27.42	112.35	74.8	514.5	0.0	171.9
12.00		0.3750	41.960	50.214	11,083.7	27.30	111.89	74.9	510.3	0.0	171.2
13.00		0.3750	41.790	50.009	10,948.3	27.18	111.44	75.1	506.1	0.0	170.5
14.00		0.3750	41.620	49.803	10,814.0	27.06	110.99	75.2	501.9	0.0	169.8
15.00		0.3750	41.450	49.598	10,680.8	26.94	110.53	75.3	497.8	0.0	169.1
16.00		0.3750	41.280	49.393	10,548.8	26.82	110.08	75.5	493.7	0.0	168.4
17.00		0.3750	41.110	49.188	10,417.8	26.69	109.63	75.6	489.6	0.0	167.7
18.00		0.3750	40.940	48.982	10,287.9	26.57	109.17	75.7	485.5	0.0	167.0
19.00		0.3750	40.770	48.777	10,159.1	26.45	108.72	75.9	481.4	0.0	166.3
20.00		0.3750	40.600	48.572	10,031.4	26.33	108.27	76.0	477.3	0.0	165.6
21.00		0.3750	40.430	48.366	9,904.7	26.21	107.81	76.1	473.3	0.0	164.9
22.00		0.3750	40.260	48.161	9,779.2	26.09	107.36	76.3	469.2	0.0	164.2
23.00		0.3750	40.090	47.956	9,654.6	25.97	106.91	76.4	465.2	0.0	163.5
24.00		0.3750	39.920	47.751	9,531.2	25.84	106.45	76.5	461.2	0.0	162.8
25.00		0.3750	39.750	47.545	9,408.8	25.72	106.00	76.7	457.3	0.0	162.1
26.00		0.3750	39.580	47.340	9,287.5	25.60	105.55	76.8	453.3	0.0	161.4
27.00		0.3750	39.410	47.135	9,167.2	25.48	105.09	76.9	449.4	0.0	160.7
28.00		0.3750	39.240	46.929	9,047.9	25.36	104.64	77.1	445.4	0.0	160.0
29.00		0.3750	39.070	46.724	8,929.7	25.24	104.19	77.2	441.5	0.0	159.3
30.00		0.3750	38.900	46.519	8,812.5	25.12	103.73	77.3	437.6	0.0	158.6
31.00		0.3750	38.730	46.314	8,696.4	24.99	103.28	77.5	433.8	0.0	157.9
32.00		0.3750	38.560	46.108	8,581.3	24.87	102.83	77.6	429.9	0.0	157.2
33.00		0.3750	38.390	45.903	8,467.2	24.75	102.37	77.7	426.1	0.0	156.5
34.00		0.3750	38.220	45.698	8,354.1	24.63	101.92	77.9	422.3	0.0	155.8
35.00		0.3750	38.050	45.493	8,242.0	24.51	101.47	78.0	418.5	0.0	155.2
36.00		0.3750	37.880	45.287	8,130.9	24.39	101.01	78.1	414.7	0.0	154.5
37.00		0.3750	37.710	45.082	8,020.9	24.27	100.56	78.2	410.9	0.0	153.8
38.00		0.3750	37.540	44.877	7,911.8	24.14	100.11	78.4	407.2	0.0	153.1
39.00		0.3750	37.370	44.671	7,803.7	24.02	99.65	78.5	403.4	0.0	152.4
40.00		0.3750	37.200	44.466	7,696.6	23.90	99.20	78.6	399.7	0.0	151.7
41.00		0.3750	37.030	44.261	7,590.5	23.78	98.75	78.8	396.0	0.0	151.0
42.00		0.3750	36.860	44.056	7,485.4	23.66	98.29	78.9	392.3	0.0	150.3
42.33	Bot - Section 2	0.3750	36.803	43.987	7,450.5	23.62	98.14	79.0	391.1	0.0	50.1
43.00		0.3750	36.690	43.850	7,381.3	23.54	97.84	79.0	388.6	0.0	192.5
44.00		0.3750	36.520	43.645	7,278.1	23.42	97.39	79.2	385.0	0.0	288.0
45.00		0.3750	36.350	43.440	7,175.9	23.29	96.93	79.3	381.4	0.0	286.7
46.00		0.3750	36.180	43.235	7,074.6	23.17	96.48	79.4	377.8	0.0	285.4
47.00		0.3750	36.010	43.029	6,974.3	23.05	96.03	79.6	374.2	0.0	284.0
48.00	Top - Section 1	0.3438	36.527	40.051	6,693.1	25.79	106.26	76.6	354.0	0.0	282.7
49.00		0.3438	36.357	39.863	6,599.2	25.66	105.77	76.7	350.6	0.0	136.0
50.00		0.3438	36.187	39.675	6,506.1	25.53	105.27	76.9	347.3	0.0	135.3
51.00		0.3438	36.017	39.486	6,414.0	25.40	104.78	77.0	344.0	0.0	134.7
52.00		0.3438	35.847	39.298	6,322.8	25.26	104.28	77.2	340.7	0.0	134.0
53.00		0.3438	35.677	39.110	6,232.4	25.13	103.79	77.3	337.5	0.0	133.4
54.00		0.3438	35.507	38.922	6,142.8	25.00	103.29	77.5	334.2	0.0	132.8
55.00		0.3438	35.337	38.734	6,054.2	24.87	102.80	77.6	331.0	0.0	132.1

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:11:43 PM

Customer: AT&T MOBILITY

56.00		0.3438	35.167	38.546	5,966.4	24.73	102.31	77.7	327.8	0.0	131.5
57.00		0.3438	34.997	38.357	5,879.4	24.60	101.81	77.9	324.5	0.0	130.8
58.00		0.3438	34.827	38.169	5,793.3	24.47	101.32	78.0	321.4	0.0	130.2
59.00		0.3438	34.657	37.981	5,708.1	24.34	100.82	78.2	318.2	0.0	129.6
60.00		0.3438	34.487	37.793	5,623.6	24.20	100.33	78.3	315.0	0.0	128.9
61.00		0.3438	34.317	37.605	5,540.1	24.07	99.83	78.5	311.9	0.0	128.3
62.00		0.3438	34.147	37.416	5,457.3	23.94	99.34	78.6	308.7	0.0	127.6
63.00		0.3438	33.977	37.228	5,375.4	23.81	98.84	78.8	305.6	0.0	127.0
64.00		0.3438	33.807	37.040	5,294.3	23.67	98.35	78.9	302.5	0.0	126.4
65.00		0.3438	33.637	36.852	5,214.0	23.54	97.85	79.0	299.4	0.0	125.7
66.00		0.3438	33.467	36.664	5,134.5	23.41	97.36	79.2	296.4	0.0	125.1
67.00		0.3438	33.297	36.476	5,055.9	23.28	96.87	79.3	293.3	0.0	124.4
68.00		0.3438	33.127	36.287	4,978.0	23.14	96.37	79.5	290.3	0.0	123.8
69.00		0.3438	32.957	36.099	4,901.0	23.01	95.88	79.6	287.3	0.0	123.2
70.00		0.3438	32.787	35.911	4,824.8	22.88	95.38	79.8	284.3	0.0	122.5
71.00		0.3438	32.617	35.723	4,749.3	22.75	94.89	79.9	281.3	0.0	121.9
72.00		0.3438	32.447	35.535	4,674.7	22.61	94.39	80.1	278.3	0.0	121.2
73.00		0.3438	32.277	35.347	4,600.8	22.48	93.90	80.2	275.4	0.0	120.6
74.00		0.3438	32.107	35.158	4,527.7	22.35	93.40	80.3	272.4	0.0	120.0
75.00		0.3438	31.937	34.970	4,455.4	22.22	92.91	80.5	269.5	0.0	119.3
76.00		0.3438	31.767	34.782	4,383.9	22.08	92.41	80.6	266.6	0.0	118.7
77.00		0.3438	31.597	34.594	4,313.1	21.95	91.92	80.8	263.7	0.0	118.0
78.00		0.3438	31.427	34.406	4,243.1	21.82	91.43	80.9	260.8	0.0	117.4
79.00		0.3438	31.257	34.218	4,173.9	21.69	90.93	81.1	258.0	0.0	116.8
80.00		0.3438	31.087	34.029	4,105.4	21.55	90.44	81.2	255.1	0.0	116.1
81.00		0.3438	30.917	33.841	4,037.7	21.42	89.94	81.4	252.3	0.0	115.5
82.00		0.3438	30.747	33.653	3,970.7	21.29	89.45	81.5	249.5	0.0	114.8
83.00		0.3438	30.577	33.465	3,904.4	21.16	88.95	81.6	246.7	0.0	114.2
84.00		0.3438	30.407	33.277	3,838.9	21.02	88.46	81.8	243.9	0.0	113.6
85.00		0.3438	30.237	33.089	3,774.2	20.89	87.96	81.9	241.1	0.0	112.9
85.08	Bot - Section 3	0.3438	30.223	33.073	3,768.8	20.88	87.92	81.9	240.9	0.0	9.5
86.00		0.3438	30.067	32.900	3,710.2	20.76	87.47	81.9	238.4	0.0	188.7
87.00		0.3438	29.897	32.712	3,646.9	20.63	86.97	81.9	235.6	0.0	204.9
88.00		0.3438	29.727	32.524	3,584.3	20.49	86.48	81.9	232.9	0.0	203.7
89.00		0.3438	29.557	32.336	3,522.4	20.36	85.99	81.9	230.2	0.0	202.6
90.00		0.3438	29.387	32.148	3,461.3	20.23	85.49	81.9	227.5	0.0	201.4
90.00	Top - Section 2	0.2813	29.950	26.869	3,018.7	25.85	106.49	76.5	194.7	0.0	0.2
91.00		0.2813	29.780	26.715	2,967.2	25.69	105.88	76.7	192.5	0.0	91.1
92.00		0.2813	29.610	26.561	2,916.2	25.53	105.28	76.9	190.3	0.0	90.6
93.00		0.2813	29.440	26.407	2,865.8	25.37	104.68	77.0	188.1	0.0	90.1
94.00		0.2813	29.270	26.253	2,815.9	25.21	104.07	77.2	185.9	0.0	89.6
95.00		0.2813	29.100	26.099	2,766.7	25.04	103.47	77.4	183.7	0.0	89.1
96.00		0.2813	28.930	25.945	2,718.0	24.88	102.86	77.6	181.5	0.0	88.5
97.00		0.2813	28.760	25.791	2,669.9	24.72	102.26	77.8	179.3	0.0	88.0
98.00		0.2813	28.590	25.637	2,622.4	24.56	101.65	77.9	177.2	0.0	87.5
99.00		0.2813	28.420	25.483	2,575.4	24.40	101.05	78.1	175.1	0.0	87.0
100.0		0.2813	28.250	25.329	2,529.0	24.23	100.44	78.3	172.9	0.0	86.5
101.0		0.2813	28.080	25.175	2,483.2	24.07	99.84	78.5	170.8	0.0	85.9
102.0		0.2813	27.910	25.021	2,437.9	23.91	99.24	78.6	168.7	0.0	85.4
103.0		0.2813	27.740	24.867	2,393.2	23.75	98.63	78.8	166.7	0.0	84.9
104.0		0.2813	27.570	24.713	2,349.0	23.59	98.03	79.0	164.6	0.0	84.4
105.0		0.2813	27.400	24.559	2,305.4	23.42	97.42	79.2	162.5	0.0	83.8
106.0		0.2813	27.230	24.405	2,262.3	23.26	96.82	79.3	160.5	0.0	83.3
107.0		0.2813	27.060	24.251	2,219.7	23.10	96.21	79.5	158.5	0.0	82.8
108.0		0.2813	26.890	24.098	2,177.7	22.94	95.61	79.7	156.5	0.0	82.3
109.0		0.2813	26.720	23.944	2,136.3	22.78	95.00	79.9	154.5	0.0	81.7
110.0		0.2813	26.550	23.790	2,095.3	22.61	94.40	80.0	152.5	0.0	81.2
111.0		0.2813	26.380	23.636	2,054.9	22.45	93.80	80.2	150.5	0.0	80.7
112.0		0.2813	26.210	23.482	2,015.0	22.29	93.19	80.4	148.5	0.0	80.2
113.0		0.2813	26.040	23.328	1,975.6	22.13	92.59	80.6	146.6	0.0	79.6
114.0		0.2813	25.870	23.174	1,936.8	21.97	91.98	80.8	144.6	0.0	79.1
115.0		0.2813	25.700	23.020	1,898.4	21.81	91.38	80.9	142.7	0.0	78.6
116.0		0.2813	25.530	22.866	1,860.6	21.64	90.77	81.1	140.8	0.0	78.1
117.0		0.2813	25.360	22.712	1,823.3	21.48	90.17	81.3	138.9	0.0	77.5

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:11:43 PM

Customer: AT&T MOBILITY

118.0		0.2813	25.190	22.558	1,786.4	21.32	89.56	81.5	137.0	0.0	77.0
119.0		0.2813	25.020	22.404	1,750.1	21.16	88.96	81.6	135.1	0.0	76.5
120.0		0.2813	24.850	22.250	1,714.3	21.00	88.36	81.8	133.3	0.0	76.0
121.0		0.2813	24.680	22.096	1,678.9	20.83	87.75	81.9	131.4	0.0	75.4
122.0		0.2813	24.510	21.942	1,644.1	20.67	87.15	81.9	129.6	0.0	74.9
123.0		0.2813	24.340	21.788	1,609.7	20.51	86.54	81.9	127.8	0.0	74.4
124.0		0.2813	24.170	21.634	1,575.8	20.35	85.94	81.9	126.0	0.0	73.9
124.9	Top - Section 3	0.2813	24.001	21.481	1,542.6	20.19	85.34	81.9	124.2	0.0	72.9
124.9	Bot - Section 4	0.2188	24.001	16.752	1,209.3	26.72	109.72	75.6	97.3	0.0	
125.0		0.2188	24.000	16.751	1,209.2	26.72	109.71	75.6	97.3	0.0	0.3
126.0		0.2188	23.830	16.631	1,183.4	26.51	108.94	75.8	95.9	0.0	56.8
127.0		0.2188	23.660	16.511	1,158.1	26.30	108.16	76.0	94.6	0.0	56.4
128.0		0.2188	23.490	16.392	1,133.0	26.09	107.38	76.3	93.2	0.0	56.0
129.0		0.2188	23.320	16.272	1,108.4	25.89	106.61	76.5	91.8	0.0	55.6
130.0		0.2188	23.150	16.152	1,084.1	25.68	105.83	76.7	90.5	0.0	55.2
131.0		0.2188	22.980	16.032	1,060.2	25.47	105.05	76.9	89.1	0.0	54.8
132.0		0.2188	22.810	15.913	1,036.6	25.26	104.27	77.2	87.8	0.0	54.4
133.0		0.2188	22.640	15.793	1,013.4	25.05	103.50	77.4	86.5	0.0	53.9
134.0		0.2188	22.470	15.673	990.5	24.84	102.72	77.6	85.2	0.0	53.5
135.0		0.2188	22.300	15.553	968.0	24.64	101.94	77.8	83.9	0.0	53.1
136.0		0.2188	22.130	15.434	945.8	24.43	101.17	78.1	82.6	0.0	52.7
137.0		0.2188	21.960	15.314	923.9	24.22	100.39	78.3	81.3	0.0	52.3
138.0		0.2188	21.790	15.194	902.4	24.01	99.61	78.5	80.0	0.0	51.9
139.0		0.2188	21.620	15.074	881.3	23.80	98.83	78.8	78.7	0.0	51.5
140.0		0.2188	21.450	14.955	860.4	23.59	98.06	79.0	77.5	0.0	51.1
141.0		0.2188	21.280	14.835	839.9	23.39	97.28	79.2	76.3	0.0	50.7
142.0		0.2188	21.110	14.715	819.7	23.18	96.50	79.4	75.0	0.0	50.3
143.0		0.2188	20.940	14.595	799.9	22.97	95.73	79.7	73.8	0.0	49.9
144.0		0.2188	20.770	14.476	780.4	22.76	94.95	79.9	72.6	0.0	49.5
145.0		0.2188	20.600	14.356	761.2	22.55	94.17	80.1	71.4	0.0	49.1
146.0		0.2188	20.430	14.236	742.3	22.35	93.39	80.3	70.2	0.0	48.6
147.0		0.2188	20.260	14.117	723.7	22.14	92.62	80.6	69.0	0.0	48.2
148.0		0.2188	20.090	13.997	705.4	21.93	91.84	80.8	67.8	0.0	47.8
149.0		0.2188	19.920	13.877	687.5	21.72	91.06	81.0	66.7	0.0	47.4
150.0		0.2188	19.750	13.757	669.8	21.51	90.29	81.3	65.5	0.0	47.0
151.0		0.2188	19.580	13.638	652.5	21.30	89.51	81.5	64.4	0.0	46.6
152.0		0.2188	19.410	13.518	635.5	21.10	88.73	81.7	63.2	0.0	46.2
153.0		0.2188	19.240	13.398	618.7	20.89	87.95	81.9	62.1	0.0	45.8
154.0		0.2188	19.070	13.278	602.3	20.68	87.18	81.9	61.0	0.0	45.4
155.0		0.2188	18.900	13.159	586.1	20.47	86.40	81.9	59.9	0.0	45.0
156.0		0.2188	18.730	13.039	570.3	20.26	85.62	81.9	58.8	0.0	44.6
157.0		0.2188	18.560	12.919	554.7	20.05	84.85	81.9	57.7	0.0	44.2
158.0		0.2188	18.390	12.799	539.4	19.85	84.07	81.9	56.7	0.0	43.8
159.0		0.2188	18.220	12.680	524.4	19.64	83.29	81.9	55.6	0.0	43.3
160.0		0.2188	18.050	12.560	509.7	19.43	82.51	81.9	54.6	0.0	42.9
161.0		0.2188	17.880	12.440	495.3	19.22	81.74	81.9	53.5	0.0	42.5
162.0		0.2188	17.710	12.320	481.1	19.01	80.96	81.9	52.5	0.0	42.1
163.0		0.2188	17.540	12.201	467.2	18.81	80.18	81.9	51.5	0.0	41.7
164.0		0.2188	17.370	12.081	453.6	18.60	79.41	81.9	50.4	0.0	41.3
165.0		0.2188	17.200	11.961	440.2	18.39	78.63	81.9	49.4	0.0	40.9
166.0		0.2188	17.030	11.841	427.2	18.18	77.85	81.9	48.5	0.0	40.5
167.0		0.2188	16.860	11.722	414.3	17.97	77.07	81.9	47.5	0.0	40.1
168.0		0.2188	16.690	11.602	401.8	17.76	76.30	81.9	46.5	0.0	39.7
169.0		0.2188	16.520	11.482	389.4	17.56	75.52	81.9	45.5	0.0	39.3
170.0		0.2188	16.350	11.362	377.4	17.35	74.74	81.9	44.6	0.0	38.9
171.0		0.2188	16.180	11.243	365.6	17.14	73.97	81.9	43.6	0.0	38.5
172.0		0.2188	16.010	11.123	354.0	16.93	73.19	81.9	42.7	0.0	38.1
173.0		0.2188	15.840	11.003	342.7	16.72	72.41	81.9	41.8	0.0	37.6
174.0		0.2188	15.670	10.883	331.6	16.51	71.63	81.9	40.9	0.0	37.2
175.0		0.2188	15.500	10.764	320.8	16.31	70.86	81.9	40.0	0.0	36.8
176.0		0.2188	15.330	10.644	310.2	16.10	70.08	81.9	39.1	0.0	36.4
177.0		0.2188	15.160	10.524	299.9	15.89	69.30	81.9	38.2	0.0	36.0
178.0		0.2188	14.990	10.404	289.8	15.68	68.53	81.9	37.3	0.0	35.6
179.0		0.2188	14.820	10.285	279.9	15.47	67.75	81.9	36.5	0.0	35.2

180.0	0.2188	14.650	10.165	270.2	15.27	66.97	81.9	35.6	0.0	34.8	19,594.5
-------	--------	--------	--------	-------	-------	-------	------	------	-----	------	----------

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:11:43 PM

Customer: AT&T MOBILITY

Load Case: 1.2D + 1.0W

113 mph with No Ice

43 Iterations

Gust Response Factor :1.10

Dead Load Factor :1.20

Wind Load Factor :1.00

Applied Segment Forces Summary

Seg Elev (ft)	Description	Shaft Forces		Discrete Forces			Linear Forces		Sum of Forces				
		Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Torsion	Moment	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Torsion	Moment
					MY (lb-ft)	MZ (lb-ft)						MY (lb-ft)	MZ (lb)
0.00		44.1	0.0					0.0	0.0	44.1	0.0	0.0	0.0
1.00		88.2	214.7					0.0	33.4	88.2	248.0	0.0	0.0
2.00		88.1	213.8					0.0	33.4	88.1	247.2	0.0	0.0
3.00		85.3	213.0					0.0	33.4	85.3	246.4	0.0	0.0
3.94		44.0	199.5					0.0	31.4	44.0	230.8	0.0	0.0
4.00		46.5	12.7					0.0	2.0	46.5	14.7	0.0	0.0
5.00		87.7	211.3					0.0	33.4	87.7	244.7	0.0	0.0
6.00		87.6	210.5					0.0	33.4	87.6	243.8	0.0	0.0
7.00		87.5	209.7					0.0	33.4	87.5	243.0	0.0	0.0
8.00		87.4	208.8					0.0	33.4	87.4	242.2	0.0	0.0
9.00		87.2	208.0					0.0	33.4	87.2	241.3	0.0	0.0
10.00		87.1	207.1					0.0	33.4	87.1	240.5	0.0	0.0
11.00		87.0	206.3					0.0	33.4	87.0	239.7	0.0	0.0
12.00		86.9	205.5					0.0	33.4	86.9	238.8	0.0	0.0
13.00		86.7	204.6					0.0	33.4	86.7	238.0	0.0	0.0
14.00		86.6	203.8					0.0	33.4	86.6	237.1	0.0	0.0
15.00		86.5	202.9					0.0	33.4	86.5	236.3	0.0	0.0
16.00		86.4	202.1					0.0	33.4	86.4	235.5	0.0	0.0
17.00		86.3	201.3					0.0	33.4	86.3	234.6	0.0	0.0
18.00		86.1	200.4					0.0	33.4	86.1	233.8	0.0	0.0
19.00		86.0	199.6					0.0	33.4	86.0	233.0	0.0	0.0
20.00		85.9	198.8					0.0	33.4	85.9	232.1	0.0	0.0
21.00		85.8	197.9					0.0	33.4	85.8	231.3	0.0	0.0
22.00		85.7	197.1					0.0	33.4	85.7	230.4	0.0	0.0
23.00		85.6	196.2					0.0	33.4	85.6	229.6	0.0	0.0
24.00		85.4	195.4					0.0	33.4	85.4	228.8	0.0	0.0
25.00		85.3	194.6					0.0	33.4	85.3	227.9	0.0	0.0
26.00		85.2	193.7					0.0	33.4	85.2	227.1	0.0	0.0
27.00		85.1	192.9					0.0	33.4	85.1	226.2	0.0	0.0
28.00		85.0	192.0					0.0	33.4	85.0	225.4	0.0	0.0
29.00		84.9	191.2					0.0	33.4	84.9	224.6	0.0	0.0
30.00		85.0	190.4					0.0	33.4	85.0	223.7	0.0	0.0
31.00		85.5	189.5					0.0	33.4	85.5	222.9	0.0	0.0
32.00		86.2	188.7					0.0	33.4	86.2	222.1	0.0	0.0
33.00		86.8	187.9					0.0	33.4	86.8	221.2	0.0	0.0
34.00		87.4	187.0					0.0	33.4	87.4	220.4	0.0	0.0
35.00		88.0	186.2					0.0	33.4	88.0	219.5	0.0	0.0
36.00		88.6	185.3					0.0	33.4	88.6	218.7	0.0	0.0
37.00		89.2	184.5					0.0	33.4	89.2	217.9	0.0	0.0
38.00		89.8	183.7					0.0	33.4	89.8	217.0	0.0	0.0
39.00		90.3	182.8					0.0	33.4	90.3	216.2	0.0	0.0
40.00		90.9	182.0					0.0	33.4	90.9	215.3	0.0	0.0
41.00		91.4	181.2					0.0	33.4	91.4	214.5	0.0	0.0
42.00		61.2	180.3					0.0	33.4	61.2	213.7	0.0	0.0
42.33	Bot - Section 2	46.6	60.1					0.0	11.1	46.6	71.2	0.0	0.0
43.00		78.5	231.0					0.0	22.2	78.5	253.2	0.0	0.0
44.00		94.6	345.6					0.0	33.4	94.6	379.0	0.0	0.0
45.00		95.1	344.0					0.0	33.4	95.1	377.4	0.0	0.0

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:12:05 PM

Customer: AT&T MOBILITY

Load Case: 1.2D + 1.0W

113 mph with No Ice

43 Iterations

Gust Response Factor :1.10

Dead Load Factor :1.20

Wind Load Factor :1.00

46.00		95.6	342.4				0.0	33.4	95.6	375.8	0.0	0.0
47.00		96.1	340.8				0.0	33.4	96.1	374.2	0.0	0.0
48.00	Top - Section 1	95.9	339.2				0.0	33.4	95.9	372.6	0.0	0.0
49.00		95.7	163.2				0.0	33.4	95.7	196.5	0.0	0.0
50.00		96.1	162.4				0.0	33.4	96.1	195.7	0.0	0.0
51.00		96.5	161.6				0.0	33.4	96.5	195.0	0.0	0.0
52.00		96.9	160.9				0.0	33.4	96.9	194.2	0.0	0.0
53.00		97.3	160.1				0.0	33.4	97.3	193.4	0.0	0.0
54.00		97.7	159.3				0.0	33.4	97.7	192.7	0.0	0.0
55.00		98.1	158.5				0.0	33.4	98.1	191.9	0.0	0.0
56.00		98.5	157.8				0.0	33.4	98.5	191.1	0.0	0.0
57.00		98.9	157.0				0.0	33.4	98.9	190.4	0.0	0.0
58.00		99.2	156.2				0.0	33.4	99.2	189.6	0.0	0.0
59.00		99.6	155.5				0.0	33.4	99.6	188.8	0.0	0.0
60.00		100.0	154.7				0.0	33.4	100.0	188.1	0.0	0.0
61.00		100.3	153.9				0.0	33.4	100.3	187.3	0.0	0.0
62.00		100.6	153.2				0.0	33.4	100.6	186.5	0.0	0.0
63.00		101.0	152.4				0.0	33.4	101.0	185.8	0.0	0.0
64.00		101.3	151.6				0.0	33.4	101.3	185.0	0.0	0.0
65.00		101.6	150.9				0.0	33.4	101.6	184.2	0.0	0.0
66.00		102.0	150.1				0.0	33.4	102.0	183.5	0.0	0.0
67.00		102.3	149.3				0.0	33.4	102.3	182.7	0.0	0.0
68.00		102.6	148.6				0.0	33.4	102.6	181.9	0.0	0.0
69.00		102.9	147.8				0.0	33.4	102.9	181.1	0.0	0.0
70.00		103.2	147.0				0.0	33.4	103.2	180.4	0.0	0.0
71.00		103.5	146.3				0.0	33.4	103.5	179.6	0.0	0.0
72.00		103.8	145.5				0.0	33.4	103.8	178.8	0.0	0.0
73.00		104.1	144.7				0.0	33.4	104.1	178.1	0.0	0.0
74.00		104.3	143.9				0.0	33.4	104.3	177.3	0.0	0.0
75.00		104.6	143.2				0.0	33.4	104.6	176.5	0.0	0.0
76.00		104.9	142.4				0.0	33.4	104.9	175.8	0.0	0.0
77.00		105.2	141.6				0.0	33.4	105.2	175.0	0.0	0.0
78.00		105.4	140.9				0.0	33.4	105.4	174.2	0.0	0.0
79.00		105.7	140.1				0.0	33.4	105.7	173.5	0.0	0.0
80.00	Appurtenance(s)	106.0	139.3	1,675.8	0.0	0.0	232.8	0.0	33.4	1,781.7	405.5	0.0
81.00		106.2	138.6					0.0	33.0	106.2	171.5	0.0
82.00		106.5	137.8					0.0	33.0	106.5	170.8	0.0
83.00		106.7	137.0					0.0	33.0	106.7	170.0	0.0
84.00		107.0	136.3					0.0	33.0	107.0	169.2	0.0
85.00		58.1	135.5					0.0	33.0	58.1	168.5	0.0
85.08	Bot - Section 3	54.6	11.4					0.0	2.8	54.6	14.1	0.0
86.00		104.9	226.4					0.0	30.2	104.9	256.6	0.0
87.00		109.7	245.9					0.0	33.0	109.7	278.8	0.0
88.00		110.0	244.5					0.0	33.0	110.0	277.4	0.0
89.00		110.2	243.1					0.0	33.0	110.2	276.0	0.0
90.00		55.2	241.7					0.0	33.0	55.2	274.6	0.0
90.00	Top - Section 2	54.5	0.2					0.0	0.0	54.5	0.2	0.0
91.00		109.0	109.3					0.0	32.9	109.0	142.3	0.0
92.00		109.2	108.8					0.0	33.0	109.2	141.7	0.0
93.00		109.5	108.1					0.0	33.0	109.5	141.1	0.0
94.00		109.7	107.5					0.0	33.0	109.7	140.5	0.0
95.00		109.9	106.9					0.0	33.0	109.9	139.8	0.0
96.00		110.1	106.3					0.0	33.0	110.1	139.2	0.0
97.00		110.1	105.6					0.0	33.0	110.1	138.6	0.0
98.00		109.8	105.0					0.0	33.0	109.8	138.0	0.0
99.00		109.4	104.4					0.0	33.0	109.4	137.3	0.0
100.00	Appurtenance(s)	108.9	103.7	145.0	0.0	93.0	130.8	0.0	33.0	253.9	267.5	0.0

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:12:05 PM

Customer: AT&T MOBILITY

Load Case: 1.2D + 1.0W

113 mph with No Ice

43 Iterations

Gust Response Factor :1.10

Dead Load Factor :1.20

Wind Load Factor :1.00

101.00		108.4	103.1					0.0	32.8	108.4	135.9	0.0	0.0
102.00		107.8	102.5					0.0	32.8	107.9	135.3	0.0	0.0
103.00		107.3	101.9					0.1	32.8	107.3	134.6	0.0	0.0
104.00		106.7	101.2					0.1	32.8	106.7	134.0	0.0	0.0
105.00		106.1	100.6					0.1	32.8	106.2	133.4	0.0	0.0
106.00		105.5	100.0					0.1	32.8	105.6	132.8	0.0	0.0
107.00		104.9	99.3					0.1	32.8	105.0	132.1	0.0	0.0
108.00		104.3	98.7					0.1	32.8	104.4	131.5	0.0	0.0
109.00		103.7	98.1					0.1	32.8	103.8	130.9	0.0	0.0
110.00	Appurtenance(s)	103.1	97.5	382.5	0.0	0.0	261.8	0.1	32.8	485.7	392.1	0.0	0.0
111.00		102.4	96.8					0.1	32.6	102.6	129.4	0.0	0.0
112.00		101.8	96.2					0.2	32.6	102.0	128.8	0.0	0.0
113.00	Appurtenance(s)	101.2	95.6	54.3	0.0	-162.8	13.2	0.2	32.6	155.6	141.4	0.0	0.0
114.00		100.5	94.9					0.2	32.4	100.7	127.4	0.0	0.0
115.00		99.9	94.3					0.2	32.4	100.1	126.7	0.0	0.0
116.00		99.2	93.7					0.2	32.4	99.4	126.1	0.0	0.0
117.00		98.6	93.1					0.2	32.4	98.8	125.5	0.0	0.0
118.00		97.9	92.4					0.2	32.4	98.1	124.8	0.0	0.0
119.00		97.2	91.8					0.2	32.4	97.5	124.2	0.0	0.0
120.00		96.6	91.2					0.2	32.4	96.8	123.6	0.0	0.0
121.00		95.9	90.5					0.2	32.4	96.1	123.0	0.0	0.0
122.00		95.2	89.9					0.3	32.4	95.5	122.3	0.0	0.0
123.00		94.5	89.3					0.3	32.4	94.8	121.7	0.0	0.0
124.00		93.5	88.7					0.3	32.4	93.8	121.1	0.0	0.0
124.99	Top - Section 3	46.7	87.5					0.3	32.2	47.0	119.7	0.0	0.0
125.00		46.7	0.4					0.0	0.2	46.7	0.6	0.0	0.0
126.00		92.4	68.2					0.3	32.4	92.7	100.6	0.0	0.0
127.00		91.7	67.7					0.3	32.4	92.0	100.1	0.0	0.0
128.00		91.0	67.2					0.3	32.4	91.3	99.6	0.0	0.0
129.00		90.3	66.7					0.3	32.4	90.6	99.1	0.0	0.0
130.00		89.5	66.2					0.3	32.4	89.9	98.6	0.0	0.0
131.00		88.8	65.7					0.4	32.4	89.2	98.1	0.0	0.0
132.00		88.1	65.2					0.4	32.4	88.4	97.6	0.0	0.0
133.00		87.3	64.7					0.4	32.4	87.7	97.2	0.0	0.0
134.00		86.6	64.2					0.4	32.4	87.0	96.7	0.0	0.0
135.00		85.8	63.8					0.4	32.4	86.2	96.2	0.0	0.0
136.00		85.1	63.3					0.4	32.4	85.5	95.7	0.0	0.0
137.00		84.3	62.8					0.4	32.4	84.7	95.2	0.0	0.0
138.00		83.6	62.3					0.4	32.4	84.0	94.7	0.0	0.0
139.00		82.8	61.8					0.4	32.4	83.2	94.2	0.0	0.0
140.00		82.0	61.3					0.5	32.4	82.5	93.7	0.0	0.0
141.00		81.2	60.8					0.5	32.4	81.7	93.2	0.0	0.0
142.00		80.5	60.3					0.5	32.4	80.9	92.8	0.0	0.0
143.00	Appurtenance(s)	79.7	59.8	365.6	0.0	0.0	81.6	0.5	32.4	445.7	173.9	0.0	0.0
144.00	Appurtenance(s)	74.2	59.4	214.6	0.0	0.0	63.6	0.5	28.5	289.3	151.4	0.0	0.0
145.00		69.1	58.9					0.0	26.5	69.1	85.4	0.0	0.0
146.00		68.9	58.4					0.0	26.5	68.9	84.9	0.0	0.0
147.00		68.8	57.9					0.0	26.5	68.8	84.4	0.0	0.0
148.00		68.7	57.4					0.0	26.5	68.7	83.9	0.0	0.0
149.00		68.6	56.9					0.0	26.5	68.6	83.4	0.0	0.0
150.00	Appurtenance(s)	68.4	56.4	202.2	0.0	0.0	270.0	0.0	26.5	270.7	352.9	0.0	0.0
151.00		68.3	55.9					0.0	26.3	68.3	82.3	0.0	0.0
152.00		68.2	55.4					0.0	26.3	68.2	81.8	0.0	0.0
153.00		68.1	55.0					0.0	26.3	68.1	81.3	0.0	0.0
154.00		67.9	54.5					0.0	26.3	67.9	80.8	0.0	0.0
155.00		67.8	54.0					0.0	26.3	67.8	80.3	0.0	0.0
156.00	Appurtenance(s)	62.8	53.5	84.6	0.0	0.0	22.2	0.0	26.3	147.4	102.0	0.0	0.0

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:12:05 PM

Customer: AT&T MOBILITY

Load Case: 1.2D + 1.0W

113 mph with No Ice

43 Iterations

Gust Response Factor :1.10

Dead Load Factor :1.20

Wind Load Factor :1.00

157.00	Appurtenance(s)	57.2	53.0	187.7	0.0	0.0	40.8	0.0	25.4	244.9	119.2	0.0	0.0
158.00		56.4	52.5					0.0	24.4	56.4	76.9	0.0	0.0
159.00		55.9	52.0					0.0	24.4	55.9	76.4	0.0	0.0
160.00		55.5	51.5					0.0	24.4	55.5	75.9	0.0	0.0
161.00		55.1	51.0					0.0	24.4	55.1	75.4	0.0	0.0
162.00		54.7	50.6					0.0	24.4	54.7	74.9	0.0	0.0
163.00		54.2	50.1					0.0	24.4	54.2	74.4	0.0	0.0
164.00		53.8	49.6					0.0	24.4	53.8	73.9	0.0	0.0
165.00		53.4	49.1					0.0	24.4	53.4	73.5	0.0	0.0
166.00		52.9	48.6					0.0	24.4	52.9	73.0	0.0	0.0
167.00		52.5	48.1					0.0	24.4	52.5	72.5	0.0	0.0
168.00		52.0	47.6					0.0	24.4	52.0	72.0	0.0	0.0
169.00		51.6	47.1					0.0	24.4	51.6	71.5	0.0	0.0
170.00	Appurtenance(s)	51.2	46.6	379.5	0.0	759.0	95.0	0.0	24.4	430.7	166.1	0.0	0.0
171.00		50.7	46.2					0.0	18.5	50.7	64.6	0.0	0.0
172.00		50.3	45.7					0.0	18.5	50.3	64.1	0.0	0.0
173.00		49.8	45.2					0.0	18.5	49.8	63.6	0.0	0.0
174.00		49.4	44.7					0.0	18.5	49.4	63.2	0.0	0.0
175.00		48.9	44.2					0.0	18.5	48.9	62.7	0.0	0.0
176.00		48.4	43.7					0.0	18.5	48.4	62.2	0.0	0.0
177.00	Appurtenance(s)	48.0	43.2	131.9	0.0	0.0	56.6	0.0	18.5	179.8	118.3	0.0	0.0
178.00		47.5	42.7					0.0	17.8	47.5	60.5	0.0	0.0
179.00		47.1	42.2					0.0	17.8	47.1	60.0	0.0	0.0
180.00	Appurtenance(s)	23.4	41.8	3,838.4	0.0	13,983.0	4,691.0	0.0	17.8	3,861.8	4,750.6	0.0	0.0
Totals:										23,554.5	35,069.7	0.00	0.00

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:12:05 PM

Customer: AT&T MOBILITY

Load Case: 1.2D + 1.0W

113 mph with No Ice

43 Iterations

Gust Response Factor :1.10

Dead Load Factor :1.20

Wind Load Factor :1.00

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-35.06	-23.53	0.00	-2,705.04	0.00	2,705.04	3,477.38	924.48	3,804.54	3,090.64	0.00	0.00	0.886
1.00	-34.78	-23.48	0.00	-2,681.51	0.00	2,681.51	3,470.08	920.88	3,774.95	3,072.04	0.01	-0.06	0.884
2.00	-34.51	-23.42	0.00	-2,658.04	0.00	2,658.04	3,462.74	917.28	3,745.48	3,053.44	0.03	-0.12	0.881
3.00	-34.24	-23.37	0.00	-2,634.61	0.00	2,634.61	3,455.35	913.68	3,716.13	3,034.85	0.06	-0.18	0.879
3.94	-34.00	-23.35	0.00	-2,612.64	0.00	2,612.64	3,448.35	910.29	3,688.64	3,017.39	0.10	-0.24	0.876
4.00	-33.97	-23.32	0.00	-2,611.24	0.00	2,611.24	3,447.91	910.07	3,686.89	3,016.27	0.10	-0.24	0.876
5.00	-33.70	-23.26	0.00	-2,587.93	0.00	2,587.93	3,440.42	906.47	3,657.77	2,997.70	0.16	-0.30	0.874
6.00	-33.43	-23.21	0.00	-2,564.66	0.00	2,564.66	3,432.88	902.87	3,628.76	2,979.14	0.23	-0.36	0.871
7.00	-33.17	-23.16	0.00	-2,541.45	0.00	2,541.45	3,425.29	899.27	3,599.87	2,960.59	0.31	-0.42	0.869
8.00	-32.90	-23.10	0.00	-2,518.29	0.00	2,518.29	3,417.65	895.66	3,571.09	2,942.06	0.41	-0.48	0.866
9.00	-32.64	-23.05	0.00	-2,495.19	0.00	2,495.19	3,409.97	892.06	3,542.43	2,923.53	0.52	-0.55	0.864
10.00	-32.37	-22.99	0.00	-2,472.14	0.00	2,472.14	3,402.23	888.46	3,513.88	2,905.01	0.64	-0.61	0.861
11.00	-32.11	-22.94	0.00	-2,449.15	0.00	2,449.15	3,394.45	884.86	3,485.45	2,886.51	0.77	-0.67	0.859
12.00	-31.85	-22.88	0.00	-2,426.21	0.00	2,426.21	3,386.61	881.25	3,457.14	2,868.02	0.92	-0.73	0.856
13.00	-31.58	-22.83	0.00	-2,403.33	0.00	2,403.33	3,378.73	877.65	3,428.94	2,849.54	1.08	-0.79	0.853
14.00	-31.32	-22.77	0.00	-2,380.50	0.00	2,380.50	3,370.80	874.05	3,400.85	2,831.08	1.25	-0.85	0.851
15.00	-31.06	-22.72	0.00	-2,357.73	0.00	2,357.73	3,362.82	870.45	3,372.89	2,812.63	1.44	-0.92	0.848
16.00	-30.81	-22.66	0.00	-2,335.01	0.00	2,335.01	3,354.79	866.84	3,345.03	2,794.20	1.63	-0.98	0.846
17.00	-30.55	-22.60	0.00	-2,312.35	0.00	2,312.35	3,346.72	863.24	3,317.30	2,775.78	1.85	-1.04	0.843
18.00	-30.29	-22.54	0.00	-2,289.75	0.00	2,289.75	3,338.59	859.64	3,289.67	2,757.38	2.07	-1.10	0.840
19.00	-30.04	-22.49	0.00	-2,267.21	0.00	2,267.21	3,330.41	856.04	3,262.17	2,738.99	2.31	-1.17	0.837
20.00	-29.78	-22.43	0.00	-2,244.72	0.00	2,244.72	3,322.19	852.43	3,234.78	2,720.63	2.56	-1.23	0.835
21.00	-29.53	-22.37	0.00	-2,222.29	0.00	2,222.29	3,313.92	848.83	3,207.50	2,702.28	2.83	-1.29	0.832
22.00	-29.27	-22.31	0.00	-2,199.92	0.00	2,199.92	3,305.59	845.23	3,180.34	2,683.94	3.10	-1.36	0.829
23.00	-29.02	-22.25	0.00	-2,177.61	0.00	2,177.61	3,297.22	841.63	3,153.30	2,665.63	3.40	-1.42	0.826
24.00	-28.77	-22.19	0.00	-2,155.36	0.00	2,155.36	3,288.80	838.02	3,126.37	2,647.33	3.70	-1.49	0.824
25.00	-28.52	-22.14	0.00	-2,133.16	0.00	2,133.16	3,280.33	834.42	3,099.55	2,629.06	4.02	-1.55	0.821
26.00	-28.27	-22.08	0.00	-2,111.03	0.00	2,111.03	3,271.81	830.82	3,072.86	2,610.80	4.35	-1.61	0.818
27.00	-28.02	-22.02	0.00	-2,088.95	0.00	2,088.95	3,263.25	827.21	3,046.27	2,592.57	4.70	-1.68	0.815
28.00	-27.77	-21.96	0.00	-2,066.94	0.00	2,066.94	3,254.63	823.61	3,019.81	2,574.36	5.05	-1.74	0.812
29.00	-27.53	-21.89	0.00	-2,044.98	0.00	2,044.98	3,245.97	820.01	2,993.45	2,556.16	5.43	-1.81	0.809
30.00	-27.28	-21.83	0.00	-2,023.09	0.00	2,023.09	3,237.25	816.41	2,967.22	2,537.99	5.81	-1.87	0.806
31.00	-27.04	-21.77	0.00	-2,001.25	0.00	2,001.25	3,228.49	812.80	2,941.10	2,519.85	6.21	-1.94	0.803
32.00	-26.79	-21.71	0.00	-1,979.48	0.00	1,979.48	3,219.68	809.20	2,915.09	2,501.72	6.62	-2.00	0.800
33.00	-26.55	-21.64	0.00	-1,957.78	0.00	1,957.78	3,210.82	805.60	2,889.20	2,483.62	7.05	-2.07	0.797
34.00	-26.31	-21.58	0.00	-1,936.13	0.00	1,936.13	3,201.91	802.00	2,863.43	2,465.55	7.49	-2.13	0.794
35.00	-26.07	-21.51	0.00	-1,914.55	0.00	1,914.55	3,192.95	798.39	2,837.77	2,447.50	7.94	-2.20	0.791
36.00	-25.83	-21.44	0.00	-1,893.04	0.00	1,893.04	3,183.94	794.79	2,812.23	2,429.47	8.41	-2.26	0.788
37.00	-25.59	-21.38	0.00	-1,871.60	0.00	1,871.60	3,174.88	791.19	2,786.80	2,411.47	8.89	-2.33	0.785
38.00	-25.35	-21.31	0.00	-1,850.22	0.00	1,850.22	3,165.78	787.59	2,761.49	2,393.50	9.39	-2.40	0.782
39.00	-25.12	-21.24	0.00	-1,828.92	0.00	1,828.92	3,156.62	783.98	2,736.29	2,375.55	9.90	-2.46	0.779
40.00	-24.88	-21.17	0.00	-1,807.68	0.00	1,807.68	3,147.42	780.38	2,711.21	2,357.63	10.42	-2.53	0.775
41.00	-24.65	-21.09	0.00	-1,786.52	0.00	1,786.52	3,138.17	776.78	2,686.24	2,339.74	10.96	-2.59	0.772

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:12:05 PM

Customer: AT&T MOBILITY

Load Case: 1.2D + 1.0W

113 mph with No Ice

43 Iterations

Gust Response Factor :1.10

Dead Load Factor :1.20

Wind Load Factor :1.00

42.00	-24.42	-21.04	0.00	-1,765.42	0.00	1,765.42	3,128.87	773.18	2,661.39	2,321.87	11.51	-2.66	0.769
42.33	-24.34	-21.01	0.00	-1,758.39	0.00	1,758.39	3,125.75	771.97	2,653.11	2,315.91	11.69	-2.68	0.768
43.00	-24.07	-20.94	0.00	-1,744.41	0.00	1,744.41	3,119.52	769.57	2,636.66	2,304.04	12.07	-2.73	0.766
44.00	-23.67	-20.85	0.00	-1,723.47	0.00	1,723.47	3,110.12	765.97	2,612.04	2,286.23	12.65	-2.79	0.762
45.00	-23.27	-20.77	0.00	-1,702.62	0.00	1,702.62	3,100.67	762.37	2,587.53	2,268.46	13.24	-2.86	0.759
46.00	-22.88	-20.68	0.00	-1,681.85	0.00	1,681.85	3,091.17	758.77	2,563.15	2,250.71	13.85	-2.93	0.755
47.00	-22.49	-20.59	0.00	-1,661.17	0.00	1,661.17	3,081.63	755.16	2,538.87	2,233.00	14.47	-3.00	0.752
48.00	-22.09	-20.50	0.00	-1,640.58	0.00	1,640.58	2,760.51	702.89	2,399.36	2,033.17	15.10	-3.06	0.816
49.00	-21.88	-20.42	0.00	-1,620.08	0.00	1,620.08	2,752.72	699.59	2,376.88	2,017.82	15.75	-3.13	0.812
50.00	-21.66	-20.34	0.00	-1,599.66	0.00	1,599.66	2,744.89	696.29	2,354.50	2,002.49	16.42	-3.20	0.808
51.00	-21.45	-20.26	0.00	-1,579.32	0.00	1,579.32	2,737.01	692.99	2,332.22	1,987.18	17.09	-3.27	0.803
52.00	-21.24	-20.18	0.00	-1,559.06	0.00	1,559.06	2,729.07	689.68	2,310.05	1,971.89	17.78	-3.34	0.799
53.00	-21.03	-20.09	0.00	-1,538.89	0.00	1,538.89	2,721.09	686.38	2,287.99	1,956.62	18.49	-3.41	0.795
54.00	-20.81	-20.01	0.00	-1,518.79	0.00	1,518.79	2,713.06	683.08	2,266.04	1,941.37	19.21	-3.48	0.791
55.00	-20.60	-19.93	0.00	-1,498.78	0.00	1,498.78	2,704.99	679.78	2,244.19	1,926.14	19.95	-3.55	0.787
56.00	-20.40	-19.84	0.00	-1,478.86	0.00	1,478.86	2,696.86	676.47	2,222.44	1,910.94	20.70	-3.62	0.782
57.00	-20.19	-19.75	0.00	-1,459.02	0.00	1,459.02	2,688.68	673.17	2,200.80	1,895.75	21.46	-3.69	0.778
58.00	-19.98	-19.67	0.00	-1,439.26	0.00	1,439.26	2,680.46	669.87	2,179.27	1,880.59	22.24	-3.76	0.774
59.00	-19.78	-19.58	0.00	-1,419.60	0.00	1,419.60	2,672.18	666.57	2,157.84	1,865.45	23.04	-3.83	0.769
60.00	-19.57	-19.49	0.00	-1,400.02	0.00	1,400.02	2,663.86	663.26	2,136.52	1,850.34	23.85	-3.90	0.765
61.00	-19.37	-19.40	0.00	-1,380.53	0.00	1,380.53	2,655.49	659.96	2,115.31	1,835.24	24.67	-3.97	0.760
62.00	-19.16	-19.31	0.00	-1,361.13	0.00	1,361.13	2,647.07	656.66	2,094.20	1,820.18	25.51	-4.04	0.756
63.00	-18.96	-19.22	0.00	-1,341.81	0.00	1,341.81	2,638.60	653.36	2,073.20	1,805.14	26.36	-4.11	0.751
64.00	-18.76	-19.13	0.00	-1,322.59	0.00	1,322.59	2,630.08	650.05	2,052.30	1,790.12	27.23	-4.18	0.747
65.00	-18.56	-19.04	0.00	-1,303.46	0.00	1,303.46	2,621.51	646.75	2,031.51	1,775.14	28.11	-4.25	0.742
66.00	-18.36	-18.95	0.00	-1,284.42	0.00	1,284.42	2,612.90	643.45	2,010.82	1,760.18	29.01	-4.32	0.738
67.00	-18.17	-18.85	0.00	-1,265.48	0.00	1,265.48	2,604.23	640.15	1,990.24	1,745.24	29.92	-4.39	0.733
68.00	-17.97	-18.76	0.00	-1,246.63	0.00	1,246.63	2,595.52	636.85	1,969.77	1,730.34	30.85	-4.46	0.728
69.00	-17.77	-18.66	0.00	-1,227.87	0.00	1,227.87	2,586.75	633.54	1,949.40	1,715.46	31.79	-4.53	0.724
70.00	-17.58	-18.57	0.00	-1,209.21	0.00	1,209.21	2,577.94	630.24	1,929.14	1,700.61	32.75	-4.61	0.719
71.00	-17.39	-18.47	0.00	-1,190.64	0.00	1,190.64	2,569.08	626.94	1,908.98	1,685.79	33.72	-4.68	0.714
72.00	-17.19	-18.37	0.00	-1,172.17	0.00	1,172.17	2,560.17	623.64	1,888.93	1,671.00	34.71	-4.75	0.709
73.00	-17.00	-18.28	0.00	-1,153.79	0.00	1,153.79	2,551.21	620.33	1,868.98	1,656.24	35.71	-4.82	0.704
74.00	-16.81	-18.18	0.00	-1,135.52	0.00	1,135.52	2,542.20	617.03	1,849.14	1,641.51	36.72	-4.89	0.699
75.00	-16.62	-18.08	0.00	-1,117.34	0.00	1,117.34	2,533.14	613.73	1,829.41	1,626.82	37.75	-4.96	0.694
76.00	-16.43	-17.98	0.00	-1,099.26	0.00	1,099.26	2,524.04	610.43	1,809.78	1,612.15	38.80	-5.03	0.689
77.00	-16.25	-17.88	0.00	-1,081.28	0.00	1,081.28	2,514.88	607.12	1,790.26	1,597.52	39.86	-5.10	0.684
78.00	-16.06	-17.78	0.00	-1,063.40	0.00	1,063.40	2,505.68	603.82	1,770.85	1,582.92	40.93	-5.17	0.679
79.00	-15.88	-17.68	0.00	-1,045.62	0.00	1,045.62	2,496.42	600.52	1,751.54	1,568.36	42.02	-5.24	0.674
80.00	-15.62	-15.89	0.00	-1,027.94	0.00	1,027.94	2,487.12	597.22	1,732.33	1,553.83	43.13	-5.31	0.669
81.00	-15.44	-15.78	0.00	-1,012.05	0.00	1,012.05	2,477.77	593.91	1,713.24	1,539.33	44.24	-5.38	0.664
82.00	-15.26	-15.68	0.00	-996.27	0.00	996.27	2,468.37	590.61	1,694.24	1,524.87	45.38	-5.45	0.660
83.00	-15.08	-15.58	0.00	-980.59	0.00	980.59	2,458.92	587.31	1,675.36	1,510.45	46.53	-5.52	0.656
84.00	-14.90	-15.47	0.00	-965.01	0.00	965.01	2,449.43	584.01	1,656.58	1,496.06	47.69	-5.60	0.652
85.00	-14.73	-15.41	0.00	-949.54	0.00	949.54	2,438.96	580.70	1,637.90	1,481.15	48.87	-5.67	0.648
85.08	-14.71	-15.36	0.00	-948.25	0.00	948.25	2,437.79	580.43	1,636.34	1,479.72	48.97	-5.67	0.648
86.00	-14.45	-15.25	0.00	-934.18	0.00	934.18	2,425.09	577.40	1,619.33	1,464.25	50.06	-5.74	0.645
87.00	-14.16	-15.13	0.00	-918.93	0.00	918.93	2,411.22	574.10	1,600.87	1,447.45	51.27	-5.81	0.641
88.00	-13.88	-15.01	0.00	-903.80	0.00	903.80	2,397.35	570.80	1,582.51	1,430.76	52.49	-5.88	0.638

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:12:05 PM

Customer: AT&T MOBILITY

Load Case: 1.2D + 1.0W

113 mph with No Ice

43 Iterations

Gust Response Factor :1.10

Dead Load Factor :1.20

Wind Load Factor :1.00

89.00	-13.60	-14.89	0.00	-888.79	0.00	888.79	2,383.48	567.50	1,564.26	1,414.15	53.73	-5.95	0.635
90.00	-13.32	-14.81	0.00	-873.91	0.00	873.91	2,369.61	564.19	1,546.12	1,397.65	54.98	-6.02	0.632
90.00	-13.32	-14.77	0.00	-873.89	0.00	873.89	1,850.32	471.54	1,319.81	1,117.44	54.98	-6.02	0.790
91.00	-13.17	-14.66	0.00	-859.14	0.00	859.14	1,843.97	468.84	1,304.75	1,107.17	56.25	-6.09	0.784
92.00	-13.02	-14.55	0.00	-844.48	0.00	844.48	1,837.56	466.14	1,289.76	1,096.90	57.53	-6.18	0.778
93.00	-12.87	-14.45	0.00	-829.93	0.00	829.93	1,831.11	463.44	1,274.85	1,086.66	58.83	-6.26	0.772
94.00	-12.72	-14.34	0.00	-815.48	0.00	815.48	1,824.61	460.74	1,260.03	1,076.42	60.15	-6.34	0.766
95.00	-12.57	-14.24	0.00	-801.13	0.00	801.13	1,818.06	458.04	1,245.30	1,066.21	61.48	-6.42	0.759
96.00	-12.43	-14.13	0.00	-786.90	0.00	786.90	1,811.46	455.33	1,230.66	1,056.01	62.83	-6.50	0.753
97.00	-12.28	-14.02	0.00	-772.77	0.00	772.77	1,804.81	452.63	1,216.10	1,045.83	64.20	-6.58	0.747
98.00	-12.14	-13.91	0.00	-758.75	0.00	758.75	1,798.11	449.93	1,201.63	1,035.67	65.58	-6.66	0.740
99.00	-12.00	-13.81	0.00	-744.84	0.00	744.84	1,791.36	447.23	1,187.25	1,025.53	66.98	-6.75	0.734
100.00	-11.74	-13.54	0.00	-730.94	0.00	730.94	1,784.57	444.53	1,172.95	1,015.40	68.40	-6.83	0.727
101.00	-11.60	-13.43	0.00	-717.40	0.00	717.40	1,777.72	441.82	1,158.74	1,005.30	69.84	-6.91	0.721
102.00	-11.46	-13.32	0.00	-703.97	0.00	703.97	1,770.83	439.12	1,144.62	995.22	71.29	-6.99	0.715
103.00	-11.32	-13.22	0.00	-690.65	0.00	690.65	1,763.89	436.42	1,130.58	985.15	72.76	-7.07	0.708
104.00	-11.18	-13.11	0.00	-677.43	0.00	677.43	1,756.90	433.72	1,116.63	975.11	74.25	-7.15	0.702
105.00	-11.04	-13.00	0.00	-664.32	0.00	664.32	1,749.86	431.02	1,102.76	965.09	75.75	-7.23	0.696
106.00	-10.91	-12.90	0.00	-651.31	0.00	651.31	1,742.77	428.32	1,088.99	955.09	77.27	-7.32	0.689
107.00	-10.77	-12.79	0.00	-638.42	0.00	638.42	1,735.63	425.61	1,075.29	945.12	78.81	-7.40	0.683
108.00	-10.64	-12.69	0.00	-625.62	0.00	625.62	1,728.44	422.91	1,061.69	935.17	80.36	-7.48	0.676
109.00	-10.50	-12.58	0.00	-612.94	0.00	612.94	1,721.20	420.21	1,048.17	925.24	81.93	-7.56	0.669
110.00	-10.16	-12.06	0.00	-600.36	0.00	600.36	1,713.92	417.51	1,034.74	915.34	83.52	-7.64	0.663
111.00	-10.03	-11.96	0.00	-588.29	0.00	588.29	1,706.58	414.81	1,021.40	905.46	85.12	-7.72	0.656
112.00	-9.90	-11.85	0.00	-576.34	0.00	576.34	1,699.20	412.10	1,008.14	895.61	86.74	-7.80	0.650
113.00	-9.77	-11.69	0.00	-564.48	0.00	564.48	1,691.77	409.40	994.97	885.78	88.38	-7.88	0.644
114.00	-9.64	-11.59	0.00	-552.79	0.00	552.79	1,684.29	406.70	981.88	875.98	90.04	-7.96	0.638
115.00	-9.51	-11.49	0.00	-541.20	0.00	541.20	1,676.76	404.00	968.88	866.21	91.71	-8.04	0.631
116.00	-9.38	-11.38	0.00	-529.71	0.00	529.71	1,669.18	401.30	955.97	856.46	93.39	-8.12	0.625
117.00	-9.26	-11.28	0.00	-518.33	0.00	518.33	1,661.55	398.59	943.15	846.75	95.10	-8.20	0.619
118.00	-9.13	-11.18	0.00	-507.05	0.00	507.05	1,653.87	395.89	930.41	837.06	96.82	-8.28	0.612
119.00	-9.01	-11.08	0.00	-495.87	0.00	495.87	1,646.15	393.19	917.76	827.40	98.56	-8.36	0.606
120.00	-8.88	-10.98	0.00	-484.79	0.00	484.79	1,638.37	390.49	905.19	817.77	100.31	-8.44	0.599
121.00	-8.76	-10.87	0.00	-473.82	0.00	473.82	1,628.70	387.79	892.71	807.25	102.08	-8.52	0.593
122.00	-8.64	-10.77	0.00	-462.94	0.00	462.94	1,617.35	385.08	880.32	795.98	103.87	-8.60	0.588
123.00	-8.52	-10.67	0.00	-452.17	0.00	452.17	1,606.00	382.38	868.02	784.78	105.67	-8.68	0.582
124.00	-8.40	-10.57	0.00	-441.50	0.00	441.50	1,594.66	379.68	855.80	773.67	107.49	-8.76	0.577
124.99	-8.28	-10.51	0.00	-430.99	0.00	430.99	1,583.38	376.99	843.74	762.70	109.32	-8.84	0.571
124.99	-8.28	-10.51	0.00	-430.99	0.00	430.99	1,139.37	293.99	659.58	551.72	109.32	-8.84	0.790
125.00	-8.28	-10.48	0.00	-430.92	0.00	430.92	1,139.34	293.98	659.53	551.68	109.33	-8.84	0.790
126.00	-8.17	-10.38	0.00	-420.45	0.00	420.45	1,134.60	291.88	650.13	545.42	111.18	-8.94	0.779
127.00	-8.07	-10.29	0.00	-410.07	0.00	410.07	1,129.80	289.77	640.81	539.17	113.06	-9.04	0.769
128.00	-7.97	-10.20	0.00	-399.77	0.00	399.77	1,124.96	287.67	631.55	532.93	114.95	-9.14	0.758
129.00	-7.87	-10.11	0.00	-389.58	0.00	389.58	1,120.07	285.57	622.36	526.70	116.87	-9.24	0.748
130.00	-7.77	-10.02	0.00	-379.47	0.00	379.47	1,115.13	283.47	613.24	520.48	118.81	-9.34	0.737
131.00	-7.67	-9.93	0.00	-369.45	0.00	369.45	1,110.14	281.37	604.18	514.28	120.76	-9.43	0.727
132.00	-7.57	-9.83	0.00	-359.53	0.00	359.53	1,105.10	279.27	595.19	508.08	122.74	-9.53	0.716
133.00	-7.47	-9.74	0.00	-349.69	0.00	349.69	1,100.01	277.17	586.27	501.90	124.74	-9.63	0.705
134.00	-7.38	-9.66	0.00	-339.95	0.00	339.95	1,094.88	275.06	577.42	495.73	126.76	-9.73	0.694

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:12:05 PM

Customer: AT&T MOBILITY

Load Case: 1.2D + 1.0W

113 mph with No Ice

43 Iterations

Gust Response Factor :1.10

Dead Load Factor :1.20

Wind Load Factor :1.00

135.00	-7.28	-9.57	0.00	-330.29	0.00	330.29	1,089.69	272.96	568.63	489.58	128.79	-9.82	0.683
136.00	-7.19	-9.48	0.00	-320.73	0.00	320.73	1,084.45	270.86	559.91	483.44	130.85	-9.92	0.671
137.00	-7.09	-9.39	0.00	-311.25	0.00	311.25	1,079.17	268.76	551.26	477.31	132.93	-10.01	0.660
138.00	-7.00	-9.30	0.00	-301.86	0.00	301.86	1,073.84	266.66	542.68	471.20	135.03	-10.11	0.648
139.00	-6.90	-9.21	0.00	-292.56	0.00	292.56	1,068.46	264.56	534.16	465.11	137.14	-10.20	0.637
140.00	-6.81	-9.13	0.00	-283.35	0.00	283.35	1,063.03	262.46	525.71	459.03	139.28	-10.29	0.625
141.00	-6.72	-9.04	0.00	-274.22	0.00	274.22	1,057.55	260.35	517.33	452.97	141.43	-10.39	0.613
142.00	-6.63	-8.96	0.00	-265.18	0.00	265.18	1,052.02	258.25	509.01	446.93	143.60	-10.48	0.601
143.00	-6.53	-8.50	0.00	-256.22	0.00	256.22	1,046.44	256.15	500.77	440.91	145.80	-10.57	0.588
144.00	-6.42	-8.19	0.00	-247.73	0.00	247.73	1,040.82	254.05	492.59	434.90	148.01	-10.66	0.577
145.00	-6.33	-8.12	0.00	-239.53	0.00	239.53	1,035.14	251.95	484.47	428.91	150.24	-10.75	0.566
146.00	-6.25	-8.05	0.00	-231.42	0.00	231.42	1,029.42	249.85	476.43	422.95	152.48	-10.83	0.554
147.00	-6.17	-7.97	0.00	-223.37	0.00	223.37	1,023.64	247.74	468.45	417.00	154.75	-10.92	0.543
148.00	-6.09	-7.90	0.00	-215.40	0.00	215.40	1,017.82	245.64	460.54	411.07	157.03	-11.01	0.531
149.00	-6.01	-7.82	0.00	-207.50	0.00	207.50	1,011.95	243.54	452.70	405.17	159.33	-11.09	0.519
150.00	-5.70	-7.50	0.00	-199.68	0.00	199.68	1,006.03	241.44	444.92	399.28	161.65	-11.18	0.507
151.00	-5.63	-7.42	0.00	-192.18	0.00	192.18	1,000.06	239.34	437.21	393.42	163.98	-11.26	0.495
152.00	-5.55	-7.35	0.00	-184.76	0.00	184.76	994.04	237.24	429.57	387.58	166.34	-11.34	0.483
153.00	-5.47	-7.27	0.00	-177.41	0.00	177.41	987.57	235.14	422.00	381.61	168.71	-11.42	0.471
154.00	-5.40	-7.20	0.00	-170.14	0.00	170.14	978.74	233.03	414.49	374.78	171.09	-11.50	0.460
155.00	-5.32	-7.12	0.00	-162.94	0.00	162.94	969.92	230.93	407.05	368.01	173.49	-11.58	0.449
156.00	-5.24	-6.96	0.00	-155.82	0.00	155.82	961.09	228.83	399.68	361.31	175.91	-11.66	0.438
157.00	-5.17	-6.71	0.00	-148.86	0.00	148.86	952.26	226.73	392.37	354.66	178.34	-11.74	0.426
158.00	-5.09	-6.64	0.00	-142.15	0.00	142.15	943.44	224.63	385.14	348.08	180.79	-11.81	0.415
159.00	-5.02	-6.58	0.00	-135.51	0.00	135.51	934.61	222.53	377.97	341.56	183.26	-11.88	0.403
160.00	-4.95	-6.51	0.00	-128.93	0.00	128.93	925.79	220.43	370.87	335.10	185.74	-11.96	0.391
161.00	-4.88	-6.45	0.00	-122.41	0.00	122.41	916.96	218.32	363.83	328.70	188.23	-12.03	0.379
162.00	-4.81	-6.39	0.00	-115.96	0.00	115.96	908.13	216.22	356.86	322.37	190.74	-12.09	0.366
163.00	-4.74	-6.32	0.00	-109.58	0.00	109.58	899.31	214.12	349.96	316.09	193.26	-12.16	0.353
164.00	-4.68	-6.26	0.00	-103.25	0.00	103.25	890.48	212.02	343.13	309.88	195.79	-12.23	0.339
165.00	-4.61	-6.20	0.00	-96.99	0.00	96.99	881.65	209.92	336.36	303.73	198.34	-12.29	0.325
166.00	-4.54	-6.14	0.00	-90.79	0.00	90.79	872.83	207.82	329.67	297.64	200.90	-12.35	0.311
167.00	-4.48	-6.07	0.00	-84.65	0.00	84.65	864.00	205.71	323.04	291.61	203.47	-12.41	0.296
168.00	-4.41	-6.01	0.00	-78.58	0.00	78.58	855.17	203.61	316.47	285.65	206.06	-12.46	0.281
169.00	-4.35	-5.95	0.00	-72.57	0.00	72.57	846.35	201.51	309.98	279.74	208.65	-12.52	0.265
170.00	-4.27	-5.50	0.00	-65.86	0.00	65.86	837.52	199.41	303.55	273.90	211.26	-12.57	0.246
171.00	-4.22	-5.44	0.00	-60.36	0.00	60.36	828.70	197.31	297.19	268.12	213.88	-12.62	0.231
172.00	-4.16	-5.38	0.00	-54.92	0.00	54.92	819.87	195.21	290.89	262.40	216.50	-12.66	0.215
173.00	-4.11	-5.32	0.00	-49.55	0.00	49.55	811.04	193.11	284.67	256.74	219.14	-12.70	0.199
174.00	-4.05	-5.26	0.00	-44.23	0.00	44.23	802.22	191.00	278.51	251.15	221.78	-12.74	0.182
175.00	-4.00	-5.20	0.00	-38.97	0.00	38.97	793.39	188.90	272.41	245.61	224.43	-12.78	0.164
176.00	-3.95	-5.14	0.00	-33.77	0.00	33.77	784.56	186.80	266.39	240.14	227.09	-12.81	0.146
177.00	-3.87	-4.94	0.00	-28.63	0.00	28.63	775.74	184.70	260.43	234.73	229.75	-12.84	0.128
178.00	-3.82	-4.88	0.00	-23.69	0.00	23.69	766.91	182.60	254.54	229.38	232.42	-12.86	0.109
179.00	-3.77	-4.82	0.00	-18.81	0.00	18.81	758.08	180.50	248.72	224.09	235.10	-12.88	0.090
180.00	0.00	-3.86	0.00	-13.98	0.00	13.98	749.26	178.39	242.97	218.87	237.77	-12.90	0.064

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:12:05 PM

Customer: AT&T MOBILITY

Load Case: 0.9D + 1.0W

113 mph with No Ice (Reduced DL)

42 Iterations

Gust Response Factor :1.10

Dead Load Factor :0.90

Wind Load Factor :1.00

Applied Segment Forces Summary

Seg Elev (ft)	Description	Shaft Forces		Discrete Forces			Linear Forces		Sum of Forces				
		Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Torsion	Moment	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Torsion	Moment
					MY (lb-ft)	MZ (lb-ft)						MY (lb-ft)	MZ (lb)
0.00		44.1	0.0					0.0	0.0	44.1	0.0	0.0	0.0
1.00		88.2	161.0					0.0	25.0	88.2	186.0	0.0	0.0
2.00		88.1	160.4					0.0	25.0	88.1	185.4	0.0	0.0
3.00		85.3	159.8					0.0	25.0	85.3	184.8	0.0	0.0
3.94		44.0	149.6					0.0	23.5	44.0	173.1	0.0	0.0
4.00		46.5	9.5					0.0	1.5	46.5	11.0	0.0	0.0
5.00		87.7	158.5					0.0	25.0	87.7	183.5	0.0	0.0
6.00		87.6	157.9					0.0	25.0	87.6	182.9	0.0	0.0
7.00		87.5	157.2					0.0	25.0	87.5	182.3	0.0	0.0
8.00		87.4	156.6					0.0	25.0	87.4	181.6	0.0	0.0
9.00		87.2	156.0					0.0	25.0	87.2	181.0	0.0	0.0
10.00		87.1	155.4					0.0	25.0	87.1	180.4	0.0	0.0
11.00		87.0	154.7					0.0	25.0	87.0	179.7	0.0	0.0
12.00		86.9	154.1					0.0	25.0	86.9	179.1	0.0	0.0
13.00		86.7	153.5					0.0	25.0	86.7	178.5	0.0	0.0
14.00		86.6	152.8					0.0	25.0	86.6	177.9	0.0	0.0
15.00		86.5	152.2					0.0	25.0	86.5	177.2	0.0	0.0
16.00		86.4	151.6					0.0	25.0	86.4	176.6	0.0	0.0
17.00		86.3	151.0					0.0	25.0	86.3	176.0	0.0	0.0
18.00		86.1	150.3					0.0	25.0	86.1	175.3	0.0	0.0
19.00		86.0	149.7					0.0	25.0	86.0	174.7	0.0	0.0
20.00		85.9	149.1					0.0	25.0	85.9	174.1	0.0	0.0
21.00		85.8	148.4					0.0	25.0	85.8	173.5	0.0	0.0
22.00		85.7	147.8					0.0	25.0	85.7	172.8	0.0	0.0
23.00		85.6	147.2					0.0	25.0	85.6	172.2	0.0	0.0
24.00		85.4	146.6					0.0	25.0	85.4	171.6	0.0	0.0
25.00		85.3	145.9					0.0	25.0	85.3	170.9	0.0	0.0
26.00		85.2	145.3					0.0	25.0	85.2	170.3	0.0	0.0
27.00		85.1	144.7					0.0	25.0	85.1	169.7	0.0	0.0
28.00		85.0	144.0					0.0	25.0	85.0	169.1	0.0	0.0
29.00		84.9	143.4					0.0	25.0	84.9	168.4	0.0	0.0
30.00		85.0	142.8					0.0	25.0	85.0	167.8	0.0	0.0
31.00		85.5	142.1					0.0	25.0	85.5	167.2	0.0	0.0
32.00		86.2	141.5					0.0	25.0	86.2	166.5	0.0	0.0
33.00		86.8	140.9					0.0	25.0	86.8	165.9	0.0	0.0
34.00		87.4	140.3					0.0	25.0	87.4	165.3	0.0	0.0
35.00		88.0	139.6					0.0	25.0	88.0	164.7	0.0	0.0
36.00		88.6	139.0					0.0	25.0	88.6	164.0	0.0	0.0
37.00		89.2	138.4					0.0	25.0	89.2	163.4	0.0	0.0
38.00		89.8	137.7					0.0	25.0	89.8	162.8	0.0	0.0
39.00		90.3	137.1					0.0	25.0	90.3	162.1	0.0	0.0
40.00		90.9	136.5					0.0	25.0	90.9	161.5	0.0	0.0
41.00		91.4	135.9					0.0	25.0	91.4	160.9	0.0	0.0
42.00		61.2	135.2					0.0	25.0	61.2	160.3	0.0	0.0
42.33	Bot - Section 2	46.6	45.1					0.0	8.4	46.6	53.4	0.0	0.0
43.00		78.5	173.3					0.0	16.7	78.5	189.9	0.0	0.0
44.00		94.6	259.2					0.0	25.0	94.6	284.2	0.0	0.0
45.00		95.1	258.0					0.0	25.0	95.1	283.0	0.0	0.0

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:12:27 PM

Customer: AT&T MOBILITY

Load Case: 0.9D + 1.0W

113 mph with No Ice (Reduced DL)

42 Iterations

Gust Response Factor :1.10

Dead Load Factor :0.90

Wind Load Factor :1.00

46.00		95.6	256.8					0.0	25.0	95.6	281.8	0.0	0.0
47.00		96.1	255.6					0.0	25.0	96.1	280.6	0.0	0.0
48.00	Top - Section 1	95.9	254.4					0.0	25.0	95.9	279.4	0.0	0.0
49.00		95.7	122.4					0.0	25.0	95.7	147.4	0.0	0.0
50.00		96.1	121.8					0.0	25.0	96.1	146.8	0.0	0.0
51.00		96.5	121.2					0.0	25.0	96.5	146.2	0.0	0.0
52.00		96.9	120.6					0.0	25.0	96.9	145.7	0.0	0.0
53.00		97.3	120.1					0.0	25.0	97.3	145.1	0.0	0.0
54.00		97.7	119.5					0.0	25.0	97.7	144.5	0.0	0.0
55.00		98.1	118.9					0.0	25.0	98.1	143.9	0.0	0.0
56.00		98.5	118.3					0.0	25.0	98.5	143.4	0.0	0.0
57.00		98.9	117.8					0.0	25.0	98.9	142.8	0.0	0.0
58.00		99.2	117.2					0.0	25.0	99.2	142.2	0.0	0.0
59.00		99.6	116.6					0.0	25.0	99.6	141.6	0.0	0.0
60.00		100.0	116.0					0.0	25.0	100.0	141.0	0.0	0.0
61.00		100.3	115.5					0.0	25.0	100.3	140.5	0.0	0.0
62.00		100.6	114.9					0.0	25.0	100.6	139.9	0.0	0.0
63.00		101.0	114.3					0.0	25.0	101.0	139.3	0.0	0.0
64.00		101.3	113.7					0.0	25.0	101.3	138.7	0.0	0.0
65.00		101.6	113.1					0.0	25.0	101.6	138.2	0.0	0.0
66.00		102.0	112.6					0.0	25.0	102.0	137.6	0.0	0.0
67.00		102.3	112.0					0.0	25.0	102.3	137.0	0.0	0.0
68.00		102.6	111.4					0.0	25.0	102.6	136.4	0.0	0.0
69.00		102.9	110.8					0.0	25.0	102.9	135.9	0.0	0.0
70.00		103.2	110.3					0.0	25.0	103.2	135.3	0.0	0.0
71.00		103.5	109.7					0.0	25.0	103.5	134.7	0.0	0.0
72.00		103.8	109.1					0.0	25.0	103.8	134.1	0.0	0.0
73.00		104.1	108.5					0.0	25.0	104.1	133.6	0.0	0.0
74.00		104.3	108.0					0.0	25.0	104.3	133.0	0.0	0.0
75.00		104.6	107.4					0.0	25.0	104.6	132.4	0.0	0.0
76.00		104.9	106.8					0.0	25.0	104.9	131.8	0.0	0.0
77.00		105.2	106.2					0.0	25.0	105.2	131.3	0.0	0.0
78.00		105.4	105.7					0.0	25.0	105.4	130.7	0.0	0.0
79.00		105.7	105.1					0.0	25.0	105.7	130.1	0.0	0.0
80.00	Appurtenance(s)	106.0	104.5	1,675.8	0.0	0.0	174.6	0.0	25.0	1,781.7	304.1	0.0	0.0
81.00		106.2	103.9					0.0	24.7	106.2	128.7	0.0	0.0
82.00		106.5	103.4					0.0	24.7	106.5	128.1	0.0	0.0
83.00		106.7	102.8					0.0	24.7	106.7	127.5	0.0	0.0
84.00		107.0	102.2					0.0	24.7	107.0	126.9	0.0	0.0
85.00		58.1	101.6					0.0	24.7	58.1	126.3	0.0	0.0
85.08	Bot - Section 3	54.6	8.5					0.0	2.1	54.6	10.6	0.0	0.0
86.00		104.9	169.8					0.0	22.6	104.9	192.5	0.0	0.0
87.00		109.7	184.4					0.0	24.7	109.7	209.1	0.0	0.0
88.00		110.0	183.4					0.0	24.7	110.0	208.1	0.0	0.0
89.00		110.2	182.3					0.0	24.7	110.2	207.0	0.0	0.0
90.00		55.2	181.3					0.0	24.7	55.2	206.0	0.0	0.0
90.00	Top - Section 2	54.5	0.1					0.0	0.0	54.5	0.2	0.0	0.0
91.00		109.0	82.0					0.0	24.7	109.0	106.7	0.0	0.0
92.00		109.2	81.6					0.0	24.7	109.2	106.3	0.0	0.0
93.00		109.5	81.1					0.0	24.7	109.5	105.8	0.0	0.0
94.00		109.7	80.6					0.0	24.7	109.7	105.4	0.0	0.0
95.00		109.9	80.2					0.0	24.7	109.9	104.9	0.0	0.0
96.00		110.1	79.7					0.0	24.7	110.1	104.4	0.0	0.0
97.00		110.1	79.2					0.0	24.7	110.1	103.9	0.0	0.0
98.00		109.8	78.7					0.0	24.7	109.8	103.5	0.0	0.0
99.00		109.4	78.3					0.0	24.7	109.4	103.0	0.0	0.0
100.00	Appurtenance(s)	108.9	77.8	145.0	0.0	93.0	98.1	0.0	24.7	253.9	200.6	0.0	0.0

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:12:27 PM

Customer: AT&T MOBILITY

Load Case: 0.9D + 1.0W

113 mph with No Ice (Reduced DL)

42 Iterations

Gust Response Factor :1.10

Dead Load Factor :0.90

Wind Load Factor :1.00

101.00		108.4	77.3					0.0	24.6	108.4	101.9	0.0	0.0
102.00		107.8	76.9					0.0	24.6	107.9	101.5	0.0	0.0
103.00		107.3	76.4					0.1	24.6	107.3	101.0	0.0	0.0
104.00		106.7	75.9					0.1	24.6	106.7	100.5	0.0	0.0
105.00		106.1	75.4					0.1	24.6	106.2	100.0	0.0	0.0
106.00		105.5	75.0					0.1	24.6	105.6	99.6	0.0	0.0
107.00		104.9	74.5					0.1	24.6	105.0	99.1	0.0	0.0
108.00		104.3	74.0					0.1	24.6	104.4	98.6	0.0	0.0
109.00		103.7	73.6					0.1	24.6	103.8	98.2	0.0	0.0
110.00	Appurtenance(s)	103.1	73.1	382.5	0.0	0.0	196.4	0.1	24.6	485.7	294.1	0.0	0.0
111.00		102.4	72.6					0.1	24.5	102.6	97.1	0.0	0.0
112.00		101.8	72.1					0.2	24.5	102.0	96.6	0.0	0.0
113.00	Appurtenance(s)	101.2	71.7	54.3	0.0	-162.8	9.9	0.2	24.5	155.6	106.0	0.0	0.0
114.00		100.5	71.2					0.2	24.3	100.7	95.5	0.0	0.0
115.00		99.9	70.7					0.2	24.3	100.1	95.1	0.0	0.0
116.00		99.2	70.3					0.2	24.3	99.4	94.6	0.0	0.0
117.00		98.6	69.8					0.2	24.3	98.8	94.1	0.0	0.0
118.00		97.9	69.3					0.2	24.3	98.1	93.6	0.0	0.0
119.00		97.2	68.8					0.2	24.3	97.5	93.2	0.0	0.0
120.00		96.6	68.4					0.2	24.3	96.8	92.7	0.0	0.0
121.00		95.9	67.9					0.2	24.3	96.1	92.2	0.0	0.0
122.00		95.2	67.4					0.3	24.3	95.5	91.8	0.0	0.0
123.00		94.5	67.0					0.3	24.3	94.8	91.3	0.0	0.0
124.00		93.5	66.5					0.3	24.3	93.8	90.8	0.0	0.0
124.99	Top - Section 3	46.7	65.6					0.3	24.2	47.0	89.8	0.0	0.0
125.00		46.7	0.3					0.0	0.1	46.7	0.4	0.0	0.0
126.00		92.4	51.1					0.3	24.3	92.7	75.4	0.0	0.0
127.00		91.7	50.7					0.3	24.3	92.0	75.1	0.0	0.0
128.00		91.0	50.4					0.3	24.3	91.3	74.7	0.0	0.0
129.00		90.3	50.0					0.3	24.3	90.6	74.3	0.0	0.0
130.00		89.5	49.6					0.3	24.3	89.9	74.0	0.0	0.0
131.00		88.8	49.3					0.4	24.3	89.2	73.6	0.0	0.0
132.00		88.1	48.9					0.4	24.3	88.4	73.2	0.0	0.0
133.00		87.3	48.5					0.4	24.3	87.7	72.9	0.0	0.0
134.00		86.6	48.2					0.4	24.3	87.0	72.5	0.0	0.0
135.00		85.8	47.8					0.4	24.3	86.2	72.1	0.0	0.0
136.00		85.1	47.4					0.4	24.3	85.5	71.8	0.0	0.0
137.00		84.3	47.1					0.4	24.3	84.7	71.4	0.0	0.0
138.00		83.6	46.7					0.4	24.3	84.0	71.0	0.0	0.0
139.00		82.8	46.3					0.4	24.3	83.2	70.7	0.0	0.0
140.00		82.0	46.0					0.5	24.3	82.5	70.3	0.0	0.0
141.00		81.2	45.6					0.5	24.3	81.7	69.9	0.0	0.0
142.00		80.5	45.2					0.5	24.3	80.9	69.6	0.0	0.0
143.00	Appurtenance(s)	79.7	44.9	365.6	0.0	0.0	61.2	0.5	24.3	445.7	130.4	0.0	0.0
144.00	Appurtenance(s)	74.2	44.5	214.6	0.0	0.0	47.7	0.5	21.4	289.3	113.6	0.0	0.0
145.00		69.1	44.1					0.0	19.9	69.1	64.0	0.0	0.0
146.00		68.9	43.8					0.0	19.9	68.9	63.7	0.0	0.0
147.00		68.8	43.4					0.0	19.9	68.8	63.3	0.0	0.0
148.00		68.7	43.0					0.0	19.9	68.7	62.9	0.0	0.0
149.00		68.6	42.7					0.0	19.9	68.6	62.6	0.0	0.0
150.00	Appurtenance(s)	68.4	42.3	202.2	0.0	0.0	202.5	0.0	19.9	270.7	264.7	0.0	0.0
151.00		68.3	41.9					0.0	19.8	68.3	61.7	0.0	0.0
152.00		68.2	41.6					0.0	19.8	68.2	61.3	0.0	0.0
153.00		68.1	41.2					0.0	19.8	68.1	61.0	0.0	0.0
154.00		67.9	40.8					0.0	19.8	67.9	60.6	0.0	0.0
155.00		67.8	40.5					0.0	19.8	67.8	60.2	0.0	0.0
156.00	Appurtenance(s)	62.8	40.1	84.6	0.0	0.0	16.6	0.0	19.8	147.4	76.5	0.0	0.0

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:12:27 PM

Customer: AT&T MOBILITY

Load Case: 0.9D + 1.0W

113 mph with No Ice (Reduced DL)

42 Iterations

Gust Response Factor :1.10

Dead Load Factor :0.90

Wind Load Factor :1.00

157.00	Appurtenance(s)	57.2	39.7	187.7	0.0	0.0	30.6	0.0	19.0	244.9	89.4	0.0	0.0
158.00		56.4	39.4					0.0	18.3	56.4	57.7	0.0	0.0
159.00		55.9	39.0					0.0	18.3	55.9	57.3	0.0	0.0
160.00		55.5	38.6					0.0	18.3	55.5	56.9	0.0	0.0
161.00		55.1	38.3					0.0	18.3	55.1	56.6	0.0	0.0
162.00		54.7	37.9					0.0	18.3	54.7	56.2	0.0	0.0
163.00		54.2	37.5					0.0	18.3	54.2	55.8	0.0	0.0
164.00		53.8	37.2					0.0	18.3	53.8	55.5	0.0	0.0
165.00		53.4	36.8					0.0	18.3	53.4	55.1	0.0	0.0
166.00		52.9	36.4					0.0	18.3	52.9	54.7	0.0	0.0
167.00		52.5	36.1					0.0	18.3	52.5	54.4	0.0	0.0
168.00		52.0	35.7					0.0	18.3	52.0	54.0	0.0	0.0
169.00		51.6	35.3					0.0	18.3	51.6	53.6	0.0	0.0
170.00	Appurtenance(s)	51.2	35.0	379.5	0.0	759.0	71.3	0.0	18.3	430.7	124.5	0.0	0.0
171.00		50.7	34.6					0.0	13.9	50.7	48.5	0.0	0.0
172.00		50.3	34.2					0.0	13.9	50.3	48.1	0.0	0.0
173.00		49.8	33.9					0.0	13.9	49.8	47.7	0.0	0.0
174.00		49.4	33.5					0.0	13.9	49.4	47.4	0.0	0.0
175.00		48.9	33.1					0.0	13.9	48.9	47.0	0.0	0.0
176.00		48.4	32.8					0.0	13.9	48.4	46.6	0.0	0.0
177.00	Appurtenance(s)	48.0	32.4	131.9	0.0	0.0	42.5	0.0	13.9	179.8	88.7	0.0	0.0
178.00		47.5	32.0					0.0	13.3	47.5	45.4	0.0	0.0
179.00		47.1	31.7					0.0	13.3	47.1	45.0	0.0	0.0
180.00	Appurtenance(s)	23.4	31.3	3,838.4	0.0	13,983.0	3,518.3	0.0	13.3	3,861.8	3,562.9	0.0	0.0
Totals:										23,554.5	26,302.3	0.00	0.00

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:12:27 PM

Customer: AT&T MOBILITY

Load Case: 0.9D + 1.0W

113 mph with No Ice (Reduced DL)

42 Iterations

Gust Response Factor :1.10

Dead Load Factor :0.90

Wind Load Factor :1.00

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-26.29	-23.52	0.00	-2,643.53	0.00	2,643.53	3,477.38	924.48	3,804.54	3,090.64	0.00	0.00	0.864
1.00	-26.08	-23.46	0.00	-2,620.01	0.00	2,620.01	3,470.08	920.88	3,774.95	3,072.04	0.01	-0.06	0.861
2.00	-25.87	-23.40	0.00	-2,596.55	0.00	2,596.55	3,462.74	917.28	3,745.48	3,053.44	0.03	-0.12	0.858
3.00	-25.66	-23.34	0.00	-2,573.15	0.00	2,573.15	3,455.35	913.68	3,716.13	3,034.85	0.06	-0.18	0.856
3.94	-25.48	-23.31	0.00	-2,551.21	0.00	2,551.21	3,448.35	910.29	3,688.64	3,017.39	0.10	-0.23	0.854
4.00	-25.45	-23.27	0.00	-2,549.82	0.00	2,549.82	3,447.91	910.07	3,686.89	3,016.27	0.10	-0.24	0.853
5.00	-25.25	-23.21	0.00	-2,526.54	0.00	2,526.54	3,440.42	906.47	3,657.77	2,997.70	0.16	-0.29	0.851
6.00	-25.04	-23.15	0.00	-2,503.33	0.00	2,503.33	3,432.88	902.87	3,628.76	2,979.14	0.22	-0.35	0.848
7.00	-24.83	-23.09	0.00	-2,480.18	0.00	2,480.18	3,425.29	899.27	3,599.87	2,960.59	0.30	-0.41	0.846
8.00	-24.63	-23.02	0.00	-2,457.10	0.00	2,457.10	3,417.65	895.66	3,571.09	2,942.06	0.40	-0.47	0.843
9.00	-24.43	-22.96	0.00	-2,434.08	0.00	2,434.08	3,409.97	892.06	3,542.43	2,923.53	0.50	-0.53	0.840
10.00	-24.22	-22.90	0.00	-2,411.12	0.00	2,411.12	3,402.23	888.46	3,513.88	2,905.01	0.62	-0.59	0.838
11.00	-24.02	-22.83	0.00	-2,388.23	0.00	2,388.23	3,394.45	884.86	3,485.45	2,886.51	0.75	-0.65	0.835
12.00	-23.82	-22.77	0.00	-2,365.39	0.00	2,365.39	3,386.61	881.25	3,457.14	2,868.02	0.90	-0.71	0.832
13.00	-23.62	-22.70	0.00	-2,342.63	0.00	2,342.63	3,378.73	877.65	3,428.94	2,849.54	1.05	-0.77	0.830
14.00	-23.42	-22.64	0.00	-2,319.92	0.00	2,319.92	3,370.80	874.05	3,400.85	2,831.08	1.22	-0.83	0.827
15.00	-23.22	-22.57	0.00	-2,297.29	0.00	2,297.29	3,362.82	870.45	3,372.89	2,812.63	1.40	-0.89	0.824
16.00	-23.02	-22.51	0.00	-2,274.71	0.00	2,274.71	3,354.79	866.84	3,345.03	2,794.20	1.60	-0.96	0.822
17.00	-22.82	-22.45	0.00	-2,252.20	0.00	2,252.20	3,346.72	863.24	3,317.30	2,775.78	1.80	-1.02	0.819
18.00	-22.62	-22.38	0.00	-2,229.76	0.00	2,229.76	3,338.59	859.64	3,289.67	2,757.38	2.02	-1.08	0.816
19.00	-22.42	-22.31	0.00	-2,207.38	0.00	2,207.38	3,330.41	856.04	3,262.17	2,738.99	2.25	-1.14	0.813
20.00	-22.23	-22.25	0.00	-2,185.06	0.00	2,185.06	3,322.19	852.43	3,234.78	2,720.63	2.50	-1.20	0.811
21.00	-22.03	-22.18	0.00	-2,162.82	0.00	2,162.82	3,313.92	848.83	3,207.50	2,702.28	2.76	-1.26	0.808
22.00	-21.84	-22.12	0.00	-2,140.63	0.00	2,140.63	3,305.59	845.23	3,180.34	2,683.94	3.03	-1.32	0.805
23.00	-21.64	-22.05	0.00	-2,118.52	0.00	2,118.52	3,297.22	841.63	3,153.30	2,665.63	3.31	-1.39	0.802
24.00	-21.45	-21.98	0.00	-2,096.46	0.00	2,096.46	3,288.80	838.02	3,126.37	2,647.33	3.61	-1.45	0.799
25.00	-21.26	-21.92	0.00	-2,074.48	0.00	2,074.48	3,280.33	834.42	3,099.55	2,629.06	3.92	-1.51	0.796
26.00	-21.07	-21.85	0.00	-2,052.56	0.00	2,052.56	3,271.81	830.82	3,072.86	2,610.80	4.24	-1.57	0.793
27.00	-20.87	-21.78	0.00	-2,030.71	0.00	2,030.71	3,263.25	827.21	3,046.27	2,592.57	4.58	-1.64	0.790
28.00	-20.68	-21.72	0.00	-2,008.93	0.00	2,008.93	3,254.63	823.61	3,019.81	2,574.36	4.93	-1.70	0.787
29.00	-20.49	-21.65	0.00	-1,987.21	0.00	1,987.21	3,245.97	820.01	2,993.45	2,556.16	5.29	-1.76	0.784
30.00	-20.31	-21.58	0.00	-1,965.56	0.00	1,965.56	3,237.25	816.41	2,967.22	2,537.99	5.67	-1.82	0.781
31.00	-20.12	-21.51	0.00	-1,943.98	0.00	1,943.98	3,228.49	812.80	2,941.10	2,519.85	6.06	-1.89	0.778
32.00	-19.93	-21.44	0.00	-1,922.47	0.00	1,922.47	3,219.68	809.20	2,915.09	2,501.72	6.46	-1.95	0.775
33.00	-19.74	-21.37	0.00	-1,901.02	0.00	1,901.02	3,210.82	805.60	2,889.20	2,483.62	6.87	-2.01	0.772
34.00	-19.56	-21.30	0.00	-1,879.65	0.00	1,879.65	3,201.91	802.00	2,863.43	2,465.55	7.30	-2.08	0.769
35.00	-19.37	-21.23	0.00	-1,858.35	0.00	1,858.35	3,192.95	798.39	2,837.77	2,447.50	7.74	-2.14	0.766
36.00	-19.19	-21.16	0.00	-1,837.12	0.00	1,837.12	3,183.94	794.79	2,812.23	2,429.47	8.20	-2.20	0.763
37.00	-19.01	-21.08	0.00	-1,815.97	0.00	1,815.97	3,174.88	791.19	2,786.80	2,411.47	8.67	-2.27	0.760
38.00	-18.82	-21.01	0.00	-1,794.89	0.00	1,794.89	3,165.78	787.59	2,761.49	2,393.50	9.15	-2.33	0.757
39.00	-18.64	-20.93	0.00	-1,773.88	0.00	1,773.88	3,156.62	783.98	2,736.29	2,375.55	9.65	-2.40	0.753
40.00	-18.46	-20.85	0.00	-1,752.95	0.00	1,752.95	3,147.42	780.38	2,711.21	2,357.63	10.16	-2.46	0.750
41.00	-18.28	-20.78	0.00	-1,732.10	0.00	1,732.10	3,138.17	776.78	2,686.24	2,339.74	10.68	-2.53	0.747

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:12:27 PM

Customer: AT&T MOBILITY

Load Case: 0.9D + 1.0W

113 mph with No Ice (Reduced DL)

42 Iterations

Gust Response Factor :1.10

Dead Load Factor :0.90

Wind Load Factor :1.00

42.00	-18.11	-20.72	0.00	-1,711.32	0.00	1,711.32	3,128.87	773.18	2,661.39	2,321.87	11.21	-2.59	0.744
42.33	-18.04	-20.68	0.00	-1,704.40	0.00	1,704.40	3,125.75	771.97	2,653.11	2,315.91	11.40	-2.61	0.742
43.00	-17.84	-20.61	0.00	-1,690.63	0.00	1,690.63	3,119.52	769.57	2,636.66	2,304.04	11.76	-2.65	0.740
44.00	-17.54	-20.52	0.00	-1,670.02	0.00	1,670.02	3,110.12	765.97	2,612.04	2,286.23	12.33	-2.72	0.737
45.00	-17.24	-20.43	0.00	-1,649.49	0.00	1,649.49	3,100.67	762.37	2,587.53	2,268.46	12.90	-2.78	0.733
46.00	-16.94	-20.34	0.00	-1,629.06	0.00	1,629.06	3,091.17	758.77	2,563.15	2,250.71	13.49	-2.85	0.730
47.00	-16.64	-20.25	0.00	-1,608.71	0.00	1,608.71	3,081.63	755.16	2,538.87	2,233.00	14.10	-2.91	0.727
48.00	-16.34	-20.16	0.00	-1,588.46	0.00	1,588.46	2,760.51	702.89	2,399.36	2,033.17	14.71	-2.98	0.788
49.00	-16.17	-20.08	0.00	-1,568.30	0.00	1,568.30	2,752.72	699.59	2,376.88	2,017.82	15.34	-3.04	0.784
50.00	-16.01	-19.99	0.00	-1,548.22	0.00	1,548.22	2,744.89	696.29	2,354.50	2,002.49	15.99	-3.11	0.780
51.00	-15.85	-19.91	0.00	-1,528.23	0.00	1,528.23	2,737.01	692.99	2,332.22	1,987.18	16.65	-3.18	0.776
52.00	-15.68	-19.82	0.00	-1,508.32	0.00	1,508.32	2,729.07	689.68	2,310.05	1,971.89	17.32	-3.25	0.771
53.00	-15.52	-19.73	0.00	-1,488.50	0.00	1,488.50	2,721.09	686.38	2,287.99	1,956.62	18.01	-3.31	0.767
54.00	-15.36	-19.65	0.00	-1,468.77	0.00	1,468.77	2,713.06	683.08	2,266.04	1,941.37	18.71	-3.38	0.763
55.00	-15.20	-19.56	0.00	-1,449.13	0.00	1,449.13	2,704.99	679.78	2,244.19	1,926.14	19.42	-3.45	0.759
56.00	-15.04	-19.47	0.00	-1,429.57	0.00	1,429.57	2,696.86	676.47	2,222.44	1,910.94	20.15	-3.52	0.755
57.00	-14.88	-19.38	0.00	-1,410.10	0.00	1,410.10	2,688.68	673.17	2,200.80	1,895.75	20.90	-3.58	0.750
58.00	-14.72	-19.29	0.00	-1,390.73	0.00	1,390.73	2,680.46	669.87	2,179.27	1,880.59	21.66	-3.65	0.746
59.00	-14.56	-19.20	0.00	-1,371.44	0.00	1,371.44	2,672.18	666.57	2,157.84	1,865.45	22.43	-3.72	0.741
60.00	-14.40	-19.10	0.00	-1,352.25	0.00	1,352.25	2,663.86	663.26	2,136.52	1,850.34	23.21	-3.79	0.737
61.00	-14.25	-19.01	0.00	-1,333.14	0.00	1,333.14	2,655.49	659.96	2,115.31	1,835.24	24.01	-3.86	0.733
62.00	-14.09	-18.92	0.00	-1,314.13	0.00	1,314.13	2,647.07	656.66	2,094.20	1,820.18	24.83	-3.92	0.728
63.00	-13.94	-18.82	0.00	-1,295.21	0.00	1,295.21	2,638.60	653.36	2,073.20	1,805.14	25.66	-3.99	0.724
64.00	-13.79	-18.73	0.00	-1,276.39	0.00	1,276.39	2,630.08	650.05	2,052.30	1,790.12	26.50	-4.06	0.719
65.00	-13.63	-18.63	0.00	-1,257.66	0.00	1,257.66	2,621.51	646.75	2,031.51	1,775.14	27.36	-4.13	0.715
66.00	-13.48	-18.54	0.00	-1,239.03	0.00	1,239.03	2,612.90	643.45	2,010.82	1,760.18	28.23	-4.20	0.710
67.00	-13.33	-18.44	0.00	-1,220.49	0.00	1,220.49	2,604.23	640.15	1,990.24	1,745.24	29.11	-4.26	0.705
68.00	-13.18	-18.35	0.00	-1,202.04	0.00	1,202.04	2,595.52	636.85	1,969.77	1,730.34	30.01	-4.33	0.701
69.00	-13.03	-18.25	0.00	-1,183.70	0.00	1,183.70	2,586.75	633.54	1,949.40	1,715.46	30.93	-4.40	0.696
70.00	-12.88	-18.15	0.00	-1,165.45	0.00	1,165.45	2,577.94	630.24	1,929.14	1,700.61	31.86	-4.47	0.691
71.00	-12.73	-18.05	0.00	-1,147.30	0.00	1,147.30	2,569.08	626.94	1,908.98	1,685.79	32.80	-4.54	0.686
72.00	-12.59	-17.95	0.00	-1,129.25	0.00	1,129.25	2,560.17	623.64	1,888.93	1,671.00	33.76	-4.61	0.682
73.00	-12.44	-17.85	0.00	-1,111.30	0.00	1,111.30	2,551.21	620.33	1,868.98	1,656.24	34.73	-4.67	0.677
74.00	-12.30	-17.75	0.00	-1,093.44	0.00	1,093.44	2,542.20	617.03	1,849.14	1,641.51	35.71	-4.74	0.672
75.00	-12.15	-17.65	0.00	-1,075.69	0.00	1,075.69	2,533.14	613.73	1,829.41	1,626.82	36.71	-4.81	0.667
76.00	-12.01	-17.55	0.00	-1,058.04	0.00	1,058.04	2,524.04	610.43	1,809.78	1,612.15	37.72	-4.88	0.662
77.00	-11.87	-17.45	0.00	-1,040.49	0.00	1,040.49	2,514.88	607.12	1,790.26	1,597.52	38.75	-4.95	0.657
78.00	-11.73	-17.35	0.00	-1,023.04	0.00	1,023.04	2,505.68	603.82	1,770.85	1,582.92	39.79	-5.01	0.652
79.00	-11.58	-17.24	0.00	-1,005.69	0.00	1,005.69	2,496.42	600.52	1,751.54	1,568.36	40.85	-5.08	0.647
80.00	-11.42	-15.46	0.00	-988.45	0.00	988.45	2,487.12	597.22	1,732.33	1,553.83	41.92	-5.15	0.641
81.00	-11.29	-15.35	0.00	-972.99	0.00	972.99	2,477.77	593.91	1,713.24	1,539.33	43.01	-5.22	0.637
82.00	-11.15	-15.25	0.00	-957.64	0.00	957.64	2,468.37	590.61	1,694.24	1,524.87	44.10	-5.29	0.633
83.00	-11.01	-15.14	0.00	-942.40	0.00	942.40	2,458.92	587.31	1,675.36	1,510.45	45.22	-5.35	0.629
84.00	-10.88	-15.04	0.00	-927.26	0.00	927.26	2,449.43	584.01	1,656.58	1,496.06	46.34	-5.42	0.625
85.00	-10.75	-14.97	0.00	-912.22	0.00	912.22	2,438.96	580.70	1,637.90	1,481.15	47.49	-5.49	0.621
85.08	-10.74	-14.92	0.00	-910.96	0.00	910.96	2,437.79	580.43	1,636.34	1,479.72	47.58	-5.50	0.621
86.00	-10.54	-14.81	0.00	-897.29	0.00	897.29	2,425.09	577.40	1,619.33	1,464.25	48.64	-5.56	0.618
87.00	-10.32	-14.70	0.00	-882.48	0.00	882.48	2,411.22	574.10	1,600.87	1,447.45	49.81	-5.63	0.615
88.00	-10.11	-14.58	0.00	-867.78	0.00	867.78	2,397.35	570.80	1,582.51	1,430.76	51.00	-5.70	0.611

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:12:28 PM

Customer: AT&T MOBILITY

Load Case: 0.9D + 1.0W

113 mph with No Ice (Reduced DL)

42 Iterations

Gust Response Factor :1.10

Dead Load Factor :0.90

Wind Load Factor :1.00

89.00	-9.90	-14.46	0.00	-853.20	0.00	853.20	2,383.48	567.50	1,564.26	1,414.15	52.19	-5.76	0.608
90.00	-9.69	-14.39	0.00	-838.74	0.00	838.74	2,369.61	564.19	1,546.12	1,397.65	53.41	-5.83	0.605
90.00	-9.69	-14.34	0.00	-838.73	0.00	838.73	1,850.32	471.54	1,319.81	1,117.44	53.41	-5.83	0.757
91.00	-9.57	-14.23	0.00	-824.40	0.00	824.40	1,843.97	468.84	1,304.75	1,107.17	54.63	-5.90	0.751
92.00	-9.46	-14.13	0.00	-810.17	0.00	810.17	1,837.56	466.14	1,289.76	1,096.90	55.88	-5.98	0.745
93.00	-9.35	-14.02	0.00	-796.04	0.00	796.04	1,831.11	463.44	1,274.85	1,086.66	57.13	-6.06	0.739
94.00	-9.23	-13.91	0.00	-782.02	0.00	782.02	1,824.61	460.74	1,260.03	1,076.42	58.41	-6.14	0.732
95.00	-9.12	-13.81	0.00	-768.11	0.00	768.11	1,818.06	458.04	1,245.30	1,066.21	59.70	-6.21	0.726
96.00	-9.01	-13.70	0.00	-754.30	0.00	754.30	1,811.46	455.33	1,230.66	1,056.01	61.01	-6.29	0.720
97.00	-8.90	-13.59	0.00	-740.61	0.00	740.61	1,804.81	452.63	1,216.10	1,045.83	62.33	-6.37	0.714
98.00	-8.79	-13.48	0.00	-727.02	0.00	727.02	1,798.11	449.93	1,201.63	1,035.67	63.67	-6.45	0.708
99.00	-8.69	-13.37	0.00	-713.54	0.00	713.54	1,791.36	447.23	1,187.25	1,025.53	65.03	-6.53	0.702
100.00	-8.50	-13.11	0.00	-700.08	0.00	700.08	1,784.57	444.53	1,172.95	1,015.40	66.40	-6.60	0.695
101.00	-8.39	-13.00	0.00	-686.97	0.00	686.97	1,777.72	441.82	1,158.74	1,005.30	67.79	-6.68	0.689
102.00	-8.29	-12.89	0.00	-673.97	0.00	673.97	1,770.83	439.12	1,144.62	995.22	69.19	-6.76	0.683
103.00	-8.18	-12.78	0.00	-661.08	0.00	661.08	1,763.89	436.42	1,130.58	985.15	70.61	-6.84	0.677
104.00	-8.08	-12.68	0.00	-648.30	0.00	648.30	1,756.90	433.72	1,116.63	975.11	72.05	-6.92	0.670
105.00	-7.97	-12.57	0.00	-635.62	0.00	635.62	1,749.86	431.02	1,102.76	965.09	73.51	-6.99	0.664
106.00	-7.87	-12.46	0.00	-623.05	0.00	623.05	1,742.77	428.32	1,088.99	955.09	74.97	-7.07	0.658
107.00	-7.77	-12.36	0.00	-610.58	0.00	610.58	1,735.63	425.61	1,075.29	945.12	76.46	-7.15	0.651
108.00	-7.67	-12.25	0.00	-598.23	0.00	598.23	1,728.44	422.91	1,061.69	935.17	77.96	-7.23	0.645
109.00	-7.57	-12.15	0.00	-585.97	0.00	585.97	1,721.20	420.21	1,048.17	925.24	79.48	-7.30	0.639
110.00	-7.32	-11.64	0.00	-573.83	0.00	573.83	1,713.92	417.51	1,034.74	915.34	81.01	-7.38	0.632
111.00	-7.22	-11.53	0.00	-562.19	0.00	562.19	1,706.58	414.81	1,021.40	905.46	82.56	-7.46	0.626
112.00	-7.12	-11.43	0.00	-550.66	0.00	550.66	1,699.20	412.10	1,008.14	895.61	84.13	-7.54	0.620
113.00	-7.02	-11.27	0.00	-539.23	0.00	539.23	1,691.77	409.40	994.97	885.78	85.71	-7.61	0.614
114.00	-6.93	-11.17	0.00	-527.96	0.00	527.96	1,684.29	406.70	981.88	875.98	87.31	-7.69	0.608
115.00	-6.83	-11.06	0.00	-516.79	0.00	516.79	1,676.76	404.00	968.88	866.21	88.92	-7.77	0.601
116.00	-6.74	-10.96	0.00	-505.73	0.00	505.73	1,669.18	401.30	955.97	856.46	90.55	-7.84	0.595
117.00	-6.64	-10.86	0.00	-494.76	0.00	494.76	1,661.55	398.59	943.15	846.75	92.20	-7.92	0.589
118.00	-6.55	-10.76	0.00	-483.90	0.00	483.90	1,653.87	395.89	930.41	837.06	93.86	-8.00	0.583
119.00	-6.46	-10.66	0.00	-473.14	0.00	473.14	1,646.15	393.19	917.76	827.40	95.54	-8.07	0.577
120.00	-6.37	-10.56	0.00	-462.49	0.00	462.49	1,638.37	390.49	905.19	817.77	97.23	-8.15	0.570
121.00	-6.27	-10.46	0.00	-451.93	0.00	451.93	1,628.70	387.79	892.71	807.25	98.94	-8.22	0.564
122.00	-6.18	-10.36	0.00	-441.47	0.00	441.47	1,617.35	385.08	880.32	795.98	100.67	-8.30	0.559
123.00	-6.09	-10.26	0.00	-431.11	0.00	431.11	1,606.00	382.38	868.02	784.78	102.41	-8.37	0.554
124.00	-6.00	-10.16	0.00	-420.85	0.00	420.85	1,594.66	379.68	855.80	773.67	104.16	-8.45	0.548
124.99	-5.92	-10.11	0.00	-410.75	0.00	410.75	1,583.38	376.99	843.74	762.70	105.92	-8.52	0.543
124.99	-5.92	-10.11	0.00	-410.75	0.00	410.75	1,139.37	293.99	659.58	551.72	105.92	-8.52	0.751
125.00	-5.91	-10.06	0.00	-410.69	0.00	410.69	1,139.34	293.98	659.53	551.68	105.93	-8.52	0.751
126.00	-5.84	-9.97	0.00	-400.63	0.00	400.63	1,134.60	291.88	650.13	545.42	107.72	-8.62	0.741
127.00	-5.76	-9.88	0.00	-390.66	0.00	390.66	1,129.80	289.77	640.81	539.17	109.53	-8.72	0.731
128.00	-5.68	-9.79	0.00	-380.78	0.00	380.78	1,124.96	287.67	631.55	532.93	111.36	-8.81	0.721
129.00	-5.61	-9.69	0.00	-370.99	0.00	370.99	1,120.07	285.57	622.36	526.70	113.21	-8.90	0.711
130.00	-5.53	-9.60	0.00	-361.30	0.00	361.30	1,115.13	283.47	613.24	520.48	115.08	-9.00	0.700
131.00	-5.46	-9.51	0.00	-351.70	0.00	351.70	1,110.14	281.37	604.18	514.28	116.96	-9.09	0.690
132.00	-5.39	-9.42	0.00	-342.18	0.00	342.18	1,105.10	279.27	595.19	508.08	118.87	-9.19	0.679
133.00	-5.31	-9.33	0.00	-332.76	0.00	332.76	1,100.01	277.17	586.27	501.90	120.80	-9.28	0.669
134.00	-5.24	-9.24	0.00	-323.43	0.00	323.43	1,094.88	275.06	577.42	495.73	122.74	-9.37	0.658

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:12:28 PM

Customer: AT&T MOBILITY

Load Case: 0.9D + 1.0W

113 mph with No Ice (Reduced DL)

42 Iterations

Gust Response Factor :1.10

Dead Load Factor :0.90

Wind Load Factor :1.00

135.00	-5.17	-9.15	0.00	-314.19	0.00	314.19	1,089.69	272.96	568.63	489.58	124.70	-9.46	0.648
136.00	-5.10	-9.07	0.00	-305.03	0.00	305.03	1,084.45	270.86	559.91	483.44	126.69	-9.55	0.637
137.00	-5.03	-8.98	0.00	-295.97	0.00	295.97	1,079.17	268.76	551.26	477.31	128.69	-9.64	0.626
138.00	-4.96	-8.89	0.00	-286.99	0.00	286.99	1,073.84	266.66	542.68	471.20	130.71	-9.73	0.615
139.00	-4.89	-8.81	0.00	-278.09	0.00	278.09	1,068.46	264.56	534.16	465.11	132.75	-9.82	0.604
140.00	-4.82	-8.72	0.00	-269.29	0.00	269.29	1,063.03	262.46	525.71	459.03	134.80	-9.91	0.592
141.00	-4.75	-8.63	0.00	-260.57	0.00	260.57	1,057.55	260.35	517.33	452.97	136.88	-10.00	0.581
142.00	-4.68	-8.55	0.00	-251.93	0.00	251.93	1,052.02	258.25	509.01	446.93	138.97	-10.08	0.569
143.00	-4.62	-8.10	0.00	-243.38	0.00	243.38	1,046.44	256.15	500.77	440.91	141.08	-10.17	0.557
144.00	-4.55	-7.80	0.00	-235.29	0.00	235.29	1,040.82	254.05	492.59	434.90	143.21	-10.26	0.546
145.00	-4.49	-7.72	0.00	-227.49	0.00	227.49	1,035.14	251.95	484.47	428.91	145.35	-10.34	0.536
146.00	-4.43	-7.65	0.00	-219.77	0.00	219.77	1,029.42	249.85	476.43	422.95	147.52	-10.42	0.525
147.00	-4.37	-7.58	0.00	-212.11	0.00	212.11	1,023.64	247.74	468.45	417.00	149.70	-10.51	0.514
148.00	-4.31	-7.51	0.00	-204.54	0.00	204.54	1,017.82	245.64	460.54	411.07	151.89	-10.59	0.503
149.00	-4.25	-7.43	0.00	-197.03	0.00	197.03	1,011.95	243.54	452.70	405.17	154.11	-10.67	0.491
150.00	-4.03	-7.12	0.00	-189.60	0.00	189.60	1,006.03	241.44	444.92	399.28	156.34	-10.75	0.480
151.00	-3.97	-7.05	0.00	-182.47	0.00	182.47	1,000.06	239.34	437.21	393.42	158.59	-10.83	0.469
152.00	-3.91	-6.98	0.00	-175.42	0.00	175.42	994.04	237.24	429.57	387.58	160.85	-10.91	0.457
153.00	-3.86	-6.90	0.00	-168.45	0.00	168.45	987.57	235.14	422.00	381.61	163.13	-10.98	0.446
154.00	-3.80	-6.83	0.00	-161.54	0.00	161.54	978.74	233.03	414.49	374.78	165.42	-11.06	0.436
155.00	-3.75	-6.76	0.00	-154.71	0.00	154.71	969.92	230.93	407.05	368.01	167.73	-11.13	0.425
156.00	-3.69	-6.60	0.00	-147.95	0.00	147.95	961.09	228.83	399.68	361.31	170.06	-11.21	0.414
157.00	-3.64	-6.35	0.00	-141.35	0.00	141.35	952.26	226.73	392.37	354.66	172.40	-11.28	0.403
158.00	-3.59	-6.29	0.00	-135.00	0.00	135.00	943.44	224.63	385.14	348.08	174.75	-11.35	0.392
159.00	-3.54	-6.23	0.00	-128.71	0.00	128.71	934.61	222.53	377.97	341.56	177.12	-11.42	0.381
160.00	-3.49	-6.16	0.00	-122.49	0.00	122.49	925.79	220.43	370.87	335.10	179.50	-11.49	0.370
161.00	-3.43	-6.10	0.00	-116.33	0.00	116.33	916.96	218.32	363.83	328.70	181.90	-11.55	0.358
162.00	-3.38	-6.04	0.00	-110.22	0.00	110.22	908.13	216.22	356.86	322.37	184.31	-11.62	0.346
163.00	-3.33	-5.98	0.00	-104.18	0.00	104.18	899.31	214.12	349.96	316.09	186.74	-11.68	0.334
164.00	-3.28	-5.92	0.00	-98.20	0.00	98.20	890.48	212.02	343.13	309.88	189.17	-11.74	0.321
165.00	-3.24	-5.86	0.00	-92.28	0.00	92.28	881.65	209.92	336.36	303.73	191.62	-11.80	0.308
166.00	-3.19	-5.80	0.00	-86.42	0.00	86.42	872.83	207.82	329.67	297.64	194.08	-11.86	0.295
167.00	-3.14	-5.74	0.00	-80.62	0.00	80.62	864.00	205.71	323.04	291.61	196.56	-11.92	0.281
168.00	-3.09	-5.68	0.00	-74.88	0.00	74.88	855.17	203.61	316.47	285.65	199.04	-11.97	0.267
169.00	-3.04	-5.62	0.00	-69.19	0.00	69.19	846.35	201.51	309.98	279.74	201.53	-12.02	0.252
170.00	-3.01	-5.18	0.00	-62.81	0.00	62.81	837.52	199.41	303.55	273.90	204.04	-12.07	0.234
171.00	-2.97	-5.12	0.00	-57.63	0.00	57.63	828.70	197.31	297.19	268.12	206.55	-12.12	0.219
172.00	-2.93	-5.06	0.00	-52.51	0.00	52.51	819.87	195.21	290.89	262.40	209.08	-12.16	0.204
173.00	-2.89	-5.01	0.00	-47.45	0.00	47.45	811.04	193.11	284.67	256.74	211.61	-12.20	0.189
174.00	-2.85	-4.95	0.00	-42.44	0.00	42.44	802.22	191.00	278.51	251.15	214.15	-12.24	0.173
175.00	-2.81	-4.89	0.00	-37.49	0.00	37.49	793.39	188.90	272.41	245.61	216.70	-12.27	0.157
176.00	-2.77	-4.84	0.00	-32.59	0.00	32.59	784.56	186.80	266.39	240.14	219.25	-12.30	0.140
177.00	-2.72	-4.65	0.00	-27.76	0.00	27.76	775.74	184.70	260.43	234.73	221.81	-12.33	0.122
178.00	-2.69	-4.59	0.00	-23.11	0.00	23.11	766.91	182.60	254.54	229.38	224.38	-12.35	0.105
179.00	-2.65	-4.54	0.00	-18.52	0.00	18.52	758.08	180.50	248.72	224.09	226.95	-12.37	0.087
180.00	0.00	-3.86	0.00	-13.98	0.00	13.98	749.26	178.39	242.97	218.87	229.52	-12.39	0.064

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:12:28 PM

Customer: AT&T MOBILITY

Load Case: 1.2D + 1.0Di + 1.0Wi

49 mph with 0.85 in Radial Ice

42 Iterations

Gust Response Factor :1.10

Ice Dead Load Factor 1.00

Dead Load Factor :1.20

Ice Importance Factor :1.00

Wind Load Factor :1.00

Applied Segment Forces Summary

Seg Elev (ft)	Description	Shaft Forces		Discrete Forces			Linear Forces		Sum of Forces				
		Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Torsion MY (lb-ft)	Moment MZ (lb)
0.00		10.1	0.0					0.0	0.0	10.1	0.0	0.0	0.0
1.00		20.1	246.8					0.0	50.1	20.1	296.9	0.0	0.0
2.00		20.1	249.6					0.0	51.3	20.1	300.9	0.0	0.0
3.00		19.4	250.6					0.0	51.9	19.4	302.4	0.0	0.0
3.94		10.0	235.8					0.0	49.1	10.0	285.0	0.0	0.0
4.00		10.6	15.1					0.0	3.1	10.6	18.2	0.0	0.0
5.00		19.9	250.9					0.0	52.6	19.9	303.5	0.0	0.0
6.00		19.8	250.7					0.0	52.9	19.8	303.6	0.0	0.0
7.00		19.8	250.4					0.0	53.1	19.8	303.5	0.0	0.0
8.00		19.7	250.0					0.0	53.3	19.7	303.3	0.0	0.0
9.00		19.6	249.5					0.0	53.5	19.6	303.0	0.0	0.0
10.00		19.6	249.0					0.0	53.6	19.6	302.6	0.0	0.0
11.00		19.5	248.4					0.0	53.8	19.5	302.2	0.0	0.0
12.00		19.4	247.8					0.0	53.9	19.4	301.7	0.0	0.0
13.00		19.3	247.2					0.0	54.1	19.3	301.2	0.0	0.0
14.00		19.3	246.5					0.0	54.2	19.3	300.6	0.0	0.0
15.00		19.2	245.8					0.0	54.3	19.2	300.1	0.0	0.0
16.00		19.1	245.1					0.0	54.4	19.1	299.4	0.0	0.0
17.00		19.1	244.3					0.0	54.5	19.1	298.8	0.0	0.0
18.00		19.0	243.6					0.0	54.6	19.0	298.1	0.0	0.0
19.00		18.9	242.8					0.0	54.7	18.9	297.4	0.0	0.0
20.00		18.8	242.0					0.0	54.7	18.8	296.7	0.0	0.0
21.00		18.8	241.2					0.0	54.8	18.8	296.0	0.0	0.0
22.00		18.7	240.4					0.0	54.9	18.7	295.3	0.0	0.0
23.00		18.6	239.6					0.0	55.0	18.6	294.6	0.0	0.0
24.00		18.6	238.8					0.0	55.0	18.6	293.8	0.0	0.0
25.00		18.5	237.9					0.0	55.1	18.5	293.0	0.0	0.0
26.00		18.4	237.1					0.0	55.2	18.4	292.3	0.0	0.0
27.00		18.3	236.2					0.0	55.2	18.3	291.5	0.0	0.0
28.00		18.3	235.4					0.0	55.3	18.3	290.7	0.0	0.0
29.00		18.2	234.5					0.0	55.3	18.2	289.9	0.0	0.0
30.00		18.2	233.6					0.0	55.4	18.2	289.0	0.0	0.0
31.00		18.2	232.8					0.0	55.5	18.2	288.2	0.0	0.0
32.00		18.3	231.9					0.0	55.5	18.3	287.4	0.0	0.0
33.00		18.4	231.0					0.0	55.6	18.4	286.6	0.0	0.0
34.00		18.5	230.1					0.0	55.6	18.5	285.7	0.0	0.0
35.00		18.6	229.2					0.0	55.7	18.6	284.9	0.0	0.0
36.00		18.6	228.3					0.0	55.7	18.6	284.0	0.0	0.0
37.00		18.7	227.4					0.0	55.8	18.7	283.2	0.0	0.0
38.00		18.8	226.5					0.0	55.8	18.8	282.3	0.0	0.0
39.00		18.8	225.6					0.0	55.9	18.8	281.4	0.0	0.0
40.00		18.9	224.7					0.0	55.9	18.9	280.6	0.0	0.0
41.00		18.9	223.7					0.0	55.9	18.9	279.7	0.0	0.0
42.00		12.7	222.8					0.0	56.0	12.7	278.8	0.0	0.0
42.33	Bot - Section 2	9.6	74.3					0.0	18.7	9.6	93.0	0.0	0.0
43.00		16.1	259.8					0.0	37.3	16.1	297.1	0.0	0.0
44.00		19.4	388.7					0.0	56.1	19.4	444.8	0.0	0.0
45.00		19.5	387.0					0.0	56.1	19.5	443.1	0.0	0.0

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:12:50 PM

Customer: AT&T MOBILITY

Load Case: 1.2D + 1.0Di + 1.0Wi

49 mph with 0.85 in Radial Ice

42 Iterations

Gust Response Factor :1.10

Ice Dead Load Factor 1.00

Dead Load Factor :1.20

Ice Importance Factor :1.00

Wind Load Factor :1.00

46.00		19.5	385.3			0.0	56.1	19.5	441.5	0.0	0.0
47.00		19.5	383.6			0.0	56.2	19.5	439.8	0.0	0.0
48.00	Top - Section 1	19.6	381.9			0.0	56.2	19.6	438.1	0.0	0.0
49.00		19.6	205.8			0.0	56.3	19.6	262.0	0.0	0.0
50.00		19.6	204.9			0.0	56.3	19.6	261.2	0.0	0.0
51.00		19.6	204.0			0.0	56.3	19.6	260.3	0.0	0.0
52.00		19.7	203.1			0.0	56.4	19.7	259.5	0.0	0.0
53.00		19.7	202.3			0.0	56.4	19.7	258.6	0.0	0.0
54.00		19.7	201.4			0.0	56.4	19.7	257.8	0.0	0.0
55.00		19.7	200.5			0.0	56.5	19.7	256.9	0.0	0.0
56.00		19.7	199.6			0.0	56.5	19.7	256.1	0.0	0.0
57.00		19.7	198.7			0.0	56.5	19.7	255.2	0.0	0.0
58.00		19.7	197.8			0.0	56.6	19.7	254.4	0.0	0.0
59.00		19.8	196.9			0.0	56.6	19.8	253.5	0.0	0.0
60.00		19.8	196.0			0.0	56.6	19.8	252.6	0.0	0.0
61.00		19.8	195.1			0.0	56.6	19.8	251.8	0.0	0.0
62.00		19.8	194.2			0.0	56.7	19.8	250.9	0.0	0.0
63.00		19.8	193.3			0.0	56.7	19.8	250.0	0.0	0.0
64.00		19.8	192.4			0.0	56.7	19.8	249.2	0.0	0.0
65.00		19.7	191.5			0.0	56.8	19.7	248.3	0.0	0.0
66.00		19.7	190.6			0.0	56.8	19.7	247.4	0.0	0.0
67.00		19.7	189.7			0.0	56.8	19.7	246.5	0.0	0.0
68.00		19.7	188.8			0.0	56.8	19.7	245.7	0.0	0.0
69.00		19.7	187.9			0.0	56.9	19.7	244.8	0.0	0.0
70.00		19.7	187.0			0.0	56.9	19.7	243.9	0.0	0.0
71.00		19.7	186.1			0.1	56.9	19.8	243.0	0.0	0.0
72.00		19.7	185.2			0.1	56.9	19.8	242.1	0.0	0.0
73.00		19.6	184.3			0.1	57.0	19.8	241.2	0.0	0.0
74.00		19.6	183.3			0.2	57.0	19.8	240.3	0.0	0.0
75.00		19.6	182.4			0.2	57.0	19.8	239.4	0.0	0.0
76.00		19.6	181.5			0.2	57.0	19.8	238.6	0.0	0.0
77.00		19.6	180.6			0.2	57.1	19.8	237.7	0.0	0.0
78.00		19.5	179.7			0.3	57.1	19.8	236.8	0.0	0.0
79.00		19.5	178.7			0.3	57.1	19.8	235.9	0.0	0.0
80.00	Appurtenance(s)	19.5	177.8	328.7	0.0	0.0	57.1	348.5	708.6	0.0	0.0
81.00		19.4	176.9			0.3	56.8	19.8	233.7	0.0	0.0
82.00		19.4	176.0			0.4	56.8	19.8	232.8	0.0	0.0
83.00		19.4	175.0			0.4	56.8	19.8	231.9	0.0	0.0
84.00		19.3	174.1			0.4	56.8	19.8	231.0	0.0	0.0
85.00		10.5	173.2			0.4	56.9	10.9	230.1	0.0	0.0
85.08	Bot - Section 3	9.8	14.5			0.0	4.8	9.8	19.3	0.0	0.0
86.00		18.8	261.4			0.4	52.1	19.2	313.5	0.0	0.0
87.00		19.6	283.9			0.5	56.9	20.1	340.8	0.0	0.0
88.00		19.5	282.4			0.5	56.9	20.1	339.3	0.0	0.0
89.00		19.5	280.8			0.6	57.0	20.1	337.8	0.0	0.0
90.00		9.7	279.3			0.6	57.0	10.3	336.2	0.0	0.0
90.00	Top - Section 2	9.7	0.2			0.0	0.0	9.7	0.3	0.0	0.0
91.00		19.4	146.7			0.5	56.9	19.9	203.6	0.0	0.0
92.00		19.4	146.0			0.6	57.0	19.9	203.0	0.0	0.0
93.00		19.3	145.2			0.6	57.0	19.9	202.3	0.0	0.0
94.00		19.3	144.4			0.6	57.1	19.9	201.5	0.0	0.0
95.00		19.2	143.6			0.6	57.1	19.9	200.7	0.0	0.0
96.00		19.2	142.8			0.7	57.1	19.9	199.9	0.0	0.0
97.00		19.1	142.0			0.7	57.1	19.8	199.1	0.0	0.0
98.00		19.1	141.2			0.7	57.1	19.8	198.4	0.0	0.0
99.00		19.0	140.4			0.8	57.2	19.8	197.6	0.0	0.0
100.00	Appurtenance(s)	19.0	139.6	43.8	0.0	40.7	57.2	63.6	324.0	0.0	0.0

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:12:50 PM

Customer: AT&T MOBILITY

Load Case: 1.2D + 1.0Di + 1.0Wi			49 mph with 0.85 in Radial Ice					42 Iterations					
Gust Response Factor :1.10		Ice Dead Load Factor 1.00							Ice Importance Factor :1.00				
Dead Load Factor :1.20													
Wind Load Factor :1.00													
101.00		18.9	138.8					0.8	57.0	19.8	195.8	0.0	0.0
102.00		18.9	138.0					0.9	57.0	19.7	195.1	0.0	0.0
103.00		18.8	137.2					0.9	57.1	19.7	194.3	0.0	0.0
104.00		18.8	136.4					0.9	57.1	19.7	193.5	0.0	0.0
105.00		18.7	135.6					0.9	57.1	19.7	192.7	0.0	0.0
106.00		18.7	134.8					1.0	57.1	19.6	191.9	0.0	0.0
107.00		18.6	134.0					1.0	57.1	19.6	191.1	0.0	0.0
108.00		18.5	133.2					1.0	57.1	19.6	190.3	0.0	0.0
109.00		18.5	132.4					1.1	57.2	19.5	189.6	0.0	0.0
110.00	Appurtenance(s)	18.4	131.6	84.6	0.0	0.0	380.9	1.1	57.2	104.1	569.7	0.0	0.0
111.00		18.4	130.8					1.1	57.0	19.5	187.8	0.0	0.0
112.00		18.3	130.0					1.2	57.0	19.5	187.0	0.0	0.0
113.00	Appurtenance(s)	18.2	129.2	18.8	0.0	-56.5	30.6	1.2	57.1	38.3	216.8	0.0	0.0
114.00		18.2	128.4					1.2	56.9	19.4	185.2	0.0	0.0
115.00		18.1	127.5					1.3	56.9	19.4	184.5	0.0	0.0
116.00		18.0	126.7					1.3	56.9	19.3	183.7	0.0	0.0
117.00		18.0	125.9					1.3	56.9	19.3	182.9	0.0	0.0
118.00		17.9	125.1					1.3	57.0	19.2	182.1	0.0	0.0
119.00		17.8	124.3					1.4	57.0	19.2	181.3	0.0	0.0
120.00		17.8	123.5					1.4	57.0	19.2	180.5	0.0	0.0
121.00		17.7	122.7					1.4	57.0	19.1	179.7	0.0	0.0
122.00		17.6	121.9					1.5	57.0	19.1	178.9	0.0	0.0
123.00		17.5	121.0					1.5	57.0	19.1	178.1	0.0	0.0
124.00		17.4	120.2					1.5	57.1	19.0	177.3	0.0	0.0
124.99	Top - Section 3	8.7	118.7					1.6	56.7	10.3	175.4	0.0	0.0
125.00		8.7	0.6					0.0	0.3	8.7	0.9	0.0	0.0
126.00		17.3	99.3					1.6	57.1	18.9	156.4	0.0	0.0
127.00		17.3	98.7					1.6	57.1	18.9	155.8	0.0	0.0
128.00		17.2	98.0					1.7	57.1	18.9	155.1	0.0	0.0
129.00		17.1	97.3					1.7	57.1	18.8	154.4	0.0	0.0
130.00		17.0	96.6					1.7	57.1	18.8	153.8	0.0	0.0
131.00		16.9	96.0					1.8	57.2	18.7	153.1	0.0	0.0
132.00		16.9	95.3					1.8	57.2	18.7	152.5	0.0	0.0
133.00		16.8	94.6					1.8	57.2	18.6	151.8	0.0	0.0
134.00		16.7	93.9					1.9	57.2	18.6	151.1	0.0	0.0
135.00		16.6	93.2					1.9	57.2	18.5	150.5	0.0	0.0
136.00		16.6	92.6					1.9	57.2	18.5	149.8	0.0	0.0
137.00		16.5	91.9					2.0	57.3	18.4	149.1	0.0	0.0
138.00		16.4	91.2					2.0	57.3	18.4	148.5	0.0	0.0
139.00		16.3	90.5					2.0	57.3	18.3	147.8	0.0	0.0
140.00		16.2	89.8					2.1	57.3	18.3	147.1	0.0	0.0
141.00		16.1	89.1					2.1	57.3	18.3	146.4	0.0	0.0
142.00		16.1	88.4					2.1	57.3	18.2	145.8	0.0	0.0
143.00	Appurtenance(s)	16.0	87.8	107.1	0.0	0.0	186.2	2.2	57.3	125.3	331.3	0.0	0.0
144.00	Appurtenance(s)	15.9	87.1	71.1	0.0	0.0	190.7	2.2	53.4	89.2	331.2	0.0	0.0
145.00		15.8	86.4					0.0	44.7	15.8	131.1	0.0	0.0
146.00		15.7	85.7					0.0	44.7	15.7	130.4	0.0	0.0
147.00		15.6	85.0					0.0	44.7	15.6	129.8	0.0	0.0
148.00		15.5	84.3					0.0	44.8	15.5	129.1	0.0	0.0
149.00		15.4	83.6					0.0	44.8	15.4	128.4	0.0	0.0
150.00	Appurtenance(s)	15.3	83.0	48.8	0.0	0.0	243.7	0.0	44.8	64.2	371.5	0.0	0.0
151.00		15.3	82.3					0.0	43.9	15.3	126.2	0.0	0.0
152.00		15.2	81.6					0.0	43.9	15.2	125.5	0.0	0.0
153.00		15.1	80.9					0.0	43.9	15.1	124.8	0.0	0.0
154.00		15.0	80.2					16.4	43.9	31.3	124.1	0.0	0.0
155.00		14.9	79.5					16.6	44.0	31.5	123.5	0.0	0.0
156.00	Appurtenance(s)	14.8	78.8	31.8	0.0	0.0	75.7	16.7	44.0	63.3	198.5	0.0	0.0

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:12:50 PM

Customer: AT&T MOBILITY

Load Case: 1.2D + 1.0Di + 1.0Wi			49 mph with 0.85 in Radial Ice								42 Iterations		
Gust Response Factor :1.10			Ice Dead Load Factor 1.00								Ice Importance Factor :1.00		
Dead Load Factor :1.20													
Wind Load Factor :1.00													
157.00	Appurtenance(s)	14.7	78.1	55.2	0.0	0.0	93.8	16.7	41.5	86.6	213.4	0.0	0.0
158.00		14.6	77.4					16.4	39.0	31.0	116.4	0.0	0.0
159.00		14.5	76.7					16.4	39.0	30.9	115.8	0.0	0.0
160.00		14.4	76.1					16.4	39.0	30.8	115.1	0.0	0.0
161.00		14.3	75.4					16.5	39.0	30.8	114.4	0.0	0.0
162.00		14.2	74.7					16.5	39.0	30.7	113.7	0.0	0.0
163.00		14.1	74.0					16.5	39.0	30.6	113.0	0.0	0.0
164.00		14.0	73.3					16.6	39.0	30.6	112.3	0.0	0.0
165.00		13.9	72.6					16.6	39.0	30.5	111.6	0.0	0.0
166.00		13.8	71.9					16.6	39.1	30.4	111.0	0.0	0.0
167.00		13.7	71.2					16.6	39.1	30.4	110.3	0.0	0.0
168.00		13.6	70.5					16.7	39.1	30.3	109.6	0.0	0.0
169.00		13.5	69.8					16.7	39.1	30.2	108.9	0.0	0.0
170.00	Appurtenance(s)	13.4	69.1	89.1	0.0	178.2	214.9	16.7	39.1	119.2	323.1	0.0	0.0
171.00		13.3	68.4					0.0	18.5	13.3	86.9	0.0	0.0
172.00		13.2	67.7					0.0	18.5	13.2	86.2	0.0	0.0
173.00		13.1	67.0					0.0	18.5	13.1	85.5	0.0	0.0
174.00		13.0	66.3					0.0	18.5	13.0	84.8	0.0	0.0
175.00		12.9	65.6					0.0	18.5	12.9	84.1	0.0	0.0
176.00		12.8	64.9					0.0	18.5	12.8	83.4	0.0	0.0
177.00	Appurtenance(s)	12.7	64.2	30.2	0.0	0.0	113.2	0.0	18.5	42.9	195.9	0.0	0.0
178.00		12.6	63.5					0.0	17.8	12.6	81.3	0.0	0.0
179.00		12.5	62.8					0.0	17.8	12.5	80.6	0.0	0.0
180.00	Appurtenance(s)	6.2	62.1	899.9	0.0	3,027.8	6,968.0	0.0	17.8	906.2	7,047.9	0.0	0.0
Totals:									5,385.62	48,298.0		0.00	0.00

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:12:50 PM

Customer: AT&T MOBILITY

Load Case: 1.2D + 1.0Di + 1.0Wi

49 mph with 0.85 in Radial Ice

42 Iterations

Gust Response Factor :1.10

Ice Dead Load Factor 1.00

Dead Load Factor :1.20

Ice Importance Factor :1.00

Wind Load Factor :1.00

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-48.30	-5.38	0.00	-693.67	0.00	693.67	3,477.38	924.48	3,804.54	3,090.64	0.00	0.00	0.238
1.00	-48.00	-5.37	0.00	-688.29	0.00	688.29	3,470.08	920.88	3,774.95	3,072.04	0.00	-0.02	0.238
2.00	-47.70	-5.37	0.00	-682.91	0.00	682.91	3,462.74	917.28	3,745.48	3,053.44	0.01	-0.03	0.237
3.00	-47.39	-5.36	0.00	-677.55	0.00	677.55	3,455.35	913.68	3,716.13	3,034.85	0.01	-0.05	0.237
3.94	-47.11	-5.35	0.00	-672.51	0.00	672.51	3,448.35	910.29	3,688.64	3,017.39	0.03	-0.06	0.237
4.00	-47.09	-5.35	0.00	-672.19	0.00	672.19	3,447.91	910.07	3,686.89	3,016.27	0.03	-0.06	0.237
5.00	-46.78	-5.34	0.00	-666.84	0.00	666.84	3,440.42	906.47	3,657.77	2,997.70	0.04	-0.08	0.236
6.00	-46.48	-5.34	0.00	-661.50	0.00	661.50	3,432.88	902.87	3,628.76	2,979.14	0.06	-0.09	0.236
7.00	-46.17	-5.33	0.00	-656.16	0.00	656.16	3,425.29	899.27	3,599.87	2,960.59	0.08	-0.11	0.235
8.00	-45.87	-5.32	0.00	-650.83	0.00	650.83	3,417.65	895.66	3,571.09	2,942.06	0.10	-0.12	0.235
9.00	-45.56	-5.31	0.00	-645.51	0.00	645.51	3,409.97	892.06	3,542.43	2,923.53	0.13	-0.14	0.234
10.00	-45.26	-5.31	0.00	-640.20	0.00	640.20	3,402.23	888.46	3,513.88	2,905.01	0.16	-0.16	0.234
11.00	-44.96	-5.30	0.00	-634.89	0.00	634.89	3,394.45	884.86	3,485.45	2,886.51	0.20	-0.17	0.233
12.00	-44.65	-5.29	0.00	-629.60	0.00	629.60	3,386.61	881.25	3,457.14	2,868.02	0.24	-0.19	0.233
13.00	-44.35	-5.28	0.00	-624.31	0.00	624.31	3,378.73	877.65	3,428.94	2,849.54	0.28	-0.20	0.232
14.00	-44.05	-5.27	0.00	-619.03	0.00	619.03	3,370.80	874.05	3,400.85	2,831.08	0.32	-0.22	0.232
15.00	-43.75	-5.27	0.00	-613.75	0.00	613.75	3,362.82	870.45	3,372.89	2,812.63	0.37	-0.24	0.231
16.00	-43.45	-5.26	0.00	-608.49	0.00	608.49	3,354.79	866.84	3,345.03	2,794.20	0.42	-0.25	0.231
17.00	-43.15	-5.25	0.00	-603.23	0.00	603.23	3,346.72	863.24	3,317.30	2,775.78	0.48	-0.27	0.230
18.00	-42.85	-5.24	0.00	-597.98	0.00	597.98	3,338.59	859.64	3,289.67	2,757.38	0.53	-0.29	0.230
19.00	-42.55	-5.23	0.00	-592.74	0.00	592.74	3,330.41	856.04	3,262.17	2,738.99	0.60	-0.30	0.229
20.00	-42.25	-5.23	0.00	-587.51	0.00	587.51	3,322.19	852.43	3,234.78	2,720.63	0.66	-0.32	0.229
21.00	-41.95	-5.22	0.00	-582.28	0.00	582.28	3,313.92	848.83	3,207.50	2,702.28	0.73	-0.34	0.228
22.00	-41.66	-5.21	0.00	-577.06	0.00	577.06	3,305.59	845.23	3,180.34	2,683.94	0.80	-0.35	0.228
23.00	-41.36	-5.20	0.00	-571.86	0.00	571.86	3,297.22	841.63	3,153.30	2,665.63	0.88	-0.37	0.227
24.00	-41.06	-5.19	0.00	-566.66	0.00	566.66	3,288.80	838.02	3,126.37	2,647.33	0.96	-0.39	0.227
25.00	-40.77	-5.18	0.00	-561.46	0.00	561.46	3,280.33	834.42	3,099.55	2,629.06	1.04	-0.40	0.226
26.00	-40.48	-5.17	0.00	-556.28	0.00	556.28	3,271.81	830.82	3,072.86	2,610.80	1.13	-0.42	0.225
27.00	-40.18	-5.17	0.00	-551.11	0.00	551.11	3,263.25	827.21	3,046.27	2,592.57	1.21	-0.44	0.225
28.00	-39.89	-5.16	0.00	-545.94	0.00	545.94	3,254.63	823.61	3,019.81	2,574.36	1.31	-0.45	0.224
29.00	-39.60	-5.15	0.00	-540.78	0.00	540.78	3,245.97	820.01	2,993.45	2,556.16	1.40	-0.47	0.224
30.00	-39.31	-5.14	0.00	-535.64	0.00	535.64	3,237.25	816.41	2,967.22	2,537.99	1.51	-0.49	0.223
31.00	-39.02	-5.13	0.00	-530.50	0.00	530.50	3,228.49	812.80	2,941.10	2,519.85	1.61	-0.50	0.223
32.00	-38.73	-5.12	0.00	-525.37	0.00	525.37	3,219.68	809.20	2,915.09	2,501.72	1.72	-0.52	0.222
33.00	-38.44	-5.11	0.00	-520.24	0.00	520.24	3,210.82	805.60	2,889.20	2,483.62	1.83	-0.54	0.221
34.00	-38.16	-5.10	0.00	-515.13	0.00	515.13	3,201.91	802.00	2,863.43	2,465.55	1.94	-0.56	0.221
35.00	-37.87	-5.09	0.00	-510.03	0.00	510.03	3,192.95	798.39	2,837.77	2,447.50	2.06	-0.57	0.220
36.00	-37.58	-5.08	0.00	-504.94	0.00	504.94	3,183.94	794.79	2,812.23	2,429.47	2.18	-0.59	0.220
37.00	-37.30	-5.07	0.00	-499.86	0.00	499.86	3,174.88	791.19	2,786.80	2,411.47	2.31	-0.61	0.219
38.00	-37.02	-5.06	0.00	-494.78	0.00	494.78	3,165.78	787.59	2,761.49	2,393.50	2.44	-0.63	0.218
39.00	-36.73	-5.05	0.00	-489.72	0.00	489.72	3,156.62	783.98	2,736.29	2,375.55	2.57	-0.64	0.218
40.00	-36.45	-5.04	0.00	-484.67	0.00	484.67	3,147.42	780.38	2,711.21	2,357.63	2.71	-0.66	0.217
41.00	-36.17	-5.03	0.00	-479.63	0.00	479.63	3,138.17	776.78	2,686.24	2,339.74	2.85	-0.68	0.217

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:12:50 PM

Customer: AT&T MOBILITY

Load Case: 1.2D + 1.0Di + 1.0Wi

49 mph with 0.85 in Radial Ice

42 Iterations

Gust Response Factor :1.10

Ice Dead Load Factor 1.00

Dead Load Factor :1.20

Ice Importance Factor :1.00

Wind Load Factor :1.00

42.00	-35.89	-5.02	0.00	-474.60	0.00	474.60	3,128.87	773.18	2,661.39	2,321.87	2.99	-0.70	0.216
42.33	-35.80	-5.02	0.00	-472.92	0.00	472.92	3,125.75	771.97	2,653.11	2,315.91	3.04	-0.70	0.216
43.00	-35.50	-5.01	0.00	-469.58	0.00	469.58	3,119.52	769.57	2,636.66	2,304.04	3.14	-0.72	0.215
44.00	-35.05	-4.99	0.00	-464.58	0.00	464.58	3,110.12	765.97	2,612.04	2,286.23	3.29	-0.73	0.215
45.00	-34.61	-4.98	0.00	-459.58	0.00	459.58	3,100.67	762.37	2,587.53	2,268.46	3.45	-0.75	0.214
46.00	-34.17	-4.96	0.00	-454.61	0.00	454.61	3,091.17	758.77	2,563.15	2,250.71	3.61	-0.77	0.213
47.00	-33.72	-4.95	0.00	-449.64	0.00	449.64	3,081.63	755.16	2,538.87	2,233.00	3.77	-0.79	0.212
48.00	-33.29	-4.93	0.00	-444.70	0.00	444.70	2,760.51	702.89	2,399.36	2,033.17	3.94	-0.81	0.231
49.00	-33.02	-4.92	0.00	-439.76	0.00	439.76	2,752.72	699.59	2,376.88	2,017.82	4.11	-0.82	0.230
50.00	-32.76	-4.91	0.00	-434.84	0.00	434.84	2,744.89	696.29	2,354.50	2,002.49	4.29	-0.84	0.229
51.00	-32.50	-4.90	0.00	-429.94	0.00	429.94	2,737.01	692.99	2,332.22	1,987.18	4.46	-0.86	0.228
52.00	-32.24	-4.88	0.00	-425.04	0.00	425.04	2,729.07	689.68	2,310.05	1,971.89	4.65	-0.88	0.227
53.00	-31.98	-4.87	0.00	-420.16	0.00	420.16	2,721.09	686.38	2,287.99	1,956.62	4.83	-0.90	0.227
54.00	-31.72	-4.86	0.00	-415.29	0.00	415.29	2,713.06	683.08	2,266.04	1,941.37	5.03	-0.92	0.226
55.00	-31.46	-4.84	0.00	-410.43	0.00	410.43	2,704.99	679.78	2,244.19	1,926.14	5.22	-0.94	0.225
56.00	-31.20	-4.83	0.00	-405.59	0.00	405.59	2,696.86	676.47	2,222.44	1,910.94	5.42	-0.96	0.224
57.00	-30.95	-4.82	0.00	-400.76	0.00	400.76	2,688.68	673.17	2,200.80	1,895.75	5.62	-0.98	0.223
58.00	-30.69	-4.80	0.00	-395.95	0.00	395.95	2,680.46	669.87	2,179.27	1,880.59	5.83	-1.00	0.222
59.00	-30.44	-4.79	0.00	-391.15	0.00	391.15	2,672.18	666.57	2,157.84	1,865.45	6.04	-1.02	0.221
60.00	-30.18	-4.77	0.00	-386.36	0.00	386.36	2,663.86	663.26	2,136.52	1,850.34	6.25	-1.04	0.220
61.00	-29.93	-4.76	0.00	-381.59	0.00	381.59	2,655.49	659.96	2,115.31	1,835.24	6.47	-1.05	0.219
62.00	-29.68	-4.75	0.00	-376.83	0.00	376.83	2,647.07	656.66	2,094.20	1,820.18	6.70	-1.07	0.218
63.00	-29.43	-4.73	0.00	-372.08	0.00	372.08	2,638.60	653.36	2,073.20	1,805.14	6.92	-1.09	0.217
64.00	-29.18	-4.72	0.00	-367.35	0.00	367.35	2,630.08	650.05	2,052.30	1,790.12	7.15	-1.11	0.216
65.00	-28.93	-4.70	0.00	-362.63	0.00	362.63	2,621.51	646.75	2,031.51	1,775.14	7.39	-1.13	0.215
66.00	-28.68	-4.69	0.00	-357.93	0.00	357.93	2,612.90	643.45	2,010.82	1,760.18	7.63	-1.15	0.214
67.00	-28.43	-4.67	0.00	-353.25	0.00	353.25	2,604.23	640.15	1,990.24	1,745.24	7.87	-1.17	0.213
68.00	-28.18	-4.66	0.00	-348.58	0.00	348.58	2,595.52	636.85	1,969.77	1,730.34	8.12	-1.19	0.212
69.00	-27.94	-4.64	0.00	-343.92	0.00	343.92	2,586.75	633.54	1,949.40	1,715.46	8.37	-1.21	0.211
70.00	-27.69	-4.63	0.00	-339.28	0.00	339.28	2,577.94	630.24	1,929.14	1,700.61	8.63	-1.23	0.210
71.00	-27.45	-4.61	0.00	-334.65	0.00	334.65	2,569.08	626.94	1,908.98	1,685.79	8.89	-1.25	0.209
72.00	-27.20	-4.59	0.00	-330.04	0.00	330.04	2,560.17	623.64	1,888.93	1,671.00	9.15	-1.27	0.208
73.00	-26.96	-4.58	0.00	-325.45	0.00	325.45	2,551.21	620.33	1,868.98	1,656.24	9.42	-1.29	0.207
74.00	-26.72	-4.56	0.00	-320.87	0.00	320.87	2,542.20	617.03	1,849.14	1,641.51	9.69	-1.31	0.206
75.00	-26.48	-4.55	0.00	-316.31	0.00	316.31	2,533.14	613.73	1,829.41	1,626.82	9.97	-1.33	0.205
76.00	-26.24	-4.53	0.00	-311.76	0.00	311.76	2,524.04	610.43	1,809.78	1,612.15	10.25	-1.35	0.204
77.00	-26.00	-4.51	0.00	-307.23	0.00	307.23	2,514.88	607.12	1,790.26	1,597.52	10.54	-1.37	0.203
78.00	-25.76	-4.50	0.00	-302.71	0.00	302.71	2,505.68	603.82	1,770.85	1,582.92	10.83	-1.39	0.202
79.00	-25.53	-4.48	0.00	-298.21	0.00	298.21	2,496.42	600.52	1,751.54	1,568.36	11.12	-1.41	0.200
80.00	-24.83	-4.12	0.00	-293.73	0.00	293.73	2,487.12	597.22	1,732.33	1,553.83	11.42	-1.43	0.199
81.00	-24.59	-4.11	0.00	-289.61	0.00	289.61	2,477.77	593.91	1,713.24	1,539.33	11.72	-1.45	0.198
82.00	-24.36	-4.09	0.00	-285.50	0.00	285.50	2,468.37	590.61	1,694.24	1,524.87	12.03	-1.47	0.197
83.00	-24.13	-4.07	0.00	-281.41	0.00	281.41	2,458.92	587.31	1,675.36	1,510.45	12.34	-1.49	0.196
84.00	-23.89	-4.06	0.00	-277.34	0.00	277.34	2,449.43	584.01	1,656.58	1,496.06	12.65	-1.51	0.195
85.00	-23.66	-4.04	0.00	-273.28	0.00	273.28	2,438.96	580.70	1,637.90	1,481.15	12.97	-1.53	0.194
85.08	-23.64	-4.04	0.00	-272.94	0.00	272.94	2,437.79	580.43	1,636.34	1,479.72	13.00	-1.54	0.194
86.00	-23.33	-4.02	0.00	-269.24	0.00	269.24	2,425.09	577.40	1,619.33	1,464.25	13.29	-1.55	0.194
87.00	-22.99	-4.00	0.00	-265.23	0.00	265.23	2,411.22	574.10	1,600.87	1,447.45	13.62	-1.57	0.193
88.00	-22.65	-3.98	0.00	-261.23	0.00	261.23	2,397.35	570.80	1,582.51	1,430.76	13.95	-1.59	0.192

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:12:51 PM

Customer: AT&T MOBILITY

Load Case: 1.2D + 1.0Di + 1.0Wi

49 mph with 0.85 in Radial Ice

42 Iterations

Gust Response Factor :1.10

Ice Dead Load Factor 1.00

Dead Load Factor :1.20

Ice Importance Factor :1.00

Wind Load Factor :1.00

89.00	-22.31	-3.95	0.00	-257.25	0.00	257.25	2,383.48	567.50	1,564.26	1,414.15	14.29	-1.62	0.191
90.00	-21.97	-3.94	0.00	-253.30	0.00	253.30	2,369.61	564.19	1,546.12	1,397.65	14.63	-1.64	0.191
90.00	-21.97	-3.93	0.00	-253.30	0.00	253.30	1,850.32	471.54	1,319.81	1,117.44	14.63	-1.64	0.239
91.00	-21.77	-3.91	0.00	-249.37	0.00	249.37	1,843.97	468.84	1,304.75	1,107.17	14.98	-1.66	0.237
92.00	-21.56	-3.90	0.00	-245.45	0.00	245.45	1,837.56	466.14	1,289.76	1,096.90	15.32	-1.68	0.236
93.00	-21.36	-3.88	0.00	-241.56	0.00	241.56	1,831.11	463.44	1,274.85	1,086.66	15.68	-1.70	0.234
94.00	-21.16	-3.86	0.00	-237.68	0.00	237.68	1,824.61	460.74	1,260.03	1,076.42	16.04	-1.73	0.232
95.00	-20.96	-3.85	0.00	-233.81	0.00	233.81	1,818.06	458.04	1,245.30	1,066.21	16.40	-1.75	0.231
96.00	-20.76	-3.83	0.00	-229.97	0.00	229.97	1,811.46	455.33	1,230.66	1,056.01	16.77	-1.78	0.229
97.00	-20.56	-3.81	0.00	-226.14	0.00	226.14	1,804.81	452.63	1,216.10	1,045.83	17.15	-1.80	0.228
98.00	-20.36	-3.79	0.00	-222.32	0.00	222.32	1,798.11	449.93	1,201.63	1,035.67	17.53	-1.82	0.226
99.00	-20.16	-3.78	0.00	-218.53	0.00	218.53	1,791.36	447.23	1,187.25	1,025.53	17.91	-1.85	0.224
100.00	-19.83	-3.71	0.00	-214.71	0.00	214.71	1,784.57	444.53	1,172.95	1,015.40	18.30	-1.87	0.223
101.00	-19.64	-3.69	0.00	-211.00	0.00	211.00	1,777.72	441.82	1,158.74	1,005.30	18.70	-1.90	0.221
102.00	-19.44	-3.67	0.00	-207.31	0.00	207.31	1,770.83	439.12	1,144.62	995.22	19.09	-1.92	0.219
103.00	-19.25	-3.66	0.00	-203.64	0.00	203.64	1,763.89	436.42	1,130.58	985.15	19.50	-1.94	0.218
104.00	-19.05	-3.64	0.00	-199.98	0.00	199.98	1,756.90	433.72	1,116.63	975.11	19.91	-1.97	0.216
105.00	-18.86	-3.62	0.00	-196.34	0.00	196.34	1,749.86	431.02	1,102.76	965.09	20.32	-1.99	0.214
106.00	-18.67	-3.60	0.00	-192.72	0.00	192.72	1,742.77	428.32	1,088.99	955.09	20.74	-2.02	0.213
107.00	-18.47	-3.58	0.00	-189.12	0.00	189.12	1,735.63	425.61	1,075.29	945.12	21.17	-2.04	0.211
108.00	-18.28	-3.56	0.00	-185.54	0.00	185.54	1,728.44	422.91	1,061.69	935.17	21.60	-2.06	0.209
109.00	-18.09	-3.55	0.00	-181.97	0.00	181.97	1,721.20	420.21	1,048.17	925.24	22.03	-2.09	0.207
110.00	-17.53	-3.43	0.00	-178.43	0.00	178.43	1,713.92	417.51	1,034.74	915.34	22.47	-2.11	0.205
111.00	-17.34	-3.41	0.00	-175.00	0.00	175.00	1,706.58	414.81	1,021.40	905.46	22.92	-2.14	0.203
112.00	-17.15	-3.39	0.00	-171.59	0.00	171.59	1,699.20	412.10	1,008.14	895.61	23.37	-2.16	0.202
113.00	-16.93	-3.35	0.00	-168.20	0.00	168.20	1,691.77	409.40	994.97	885.78	23.82	-2.18	0.200
114.00	-16.75	-3.33	0.00	-164.85	0.00	164.85	1,684.29	406.70	981.88	875.98	24.28	-2.21	0.198
115.00	-16.56	-3.31	0.00	-161.52	0.00	161.52	1,676.76	404.00	968.88	866.21	24.75	-2.23	0.196
116.00	-16.38	-3.29	0.00	-158.21	0.00	158.21	1,669.18	401.30	955.97	856.46	25.22	-2.26	0.195
117.00	-16.20	-3.27	0.00	-154.92	0.00	154.92	1,661.55	398.59	943.15	846.75	25.69	-2.28	0.193
118.00	-16.01	-3.25	0.00	-151.65	0.00	151.65	1,653.87	395.89	930.41	837.06	26.17	-2.30	0.191
119.00	-15.83	-3.23	0.00	-148.40	0.00	148.40	1,646.15	393.19	917.76	827.40	26.65	-2.33	0.189
120.00	-15.65	-3.21	0.00	-145.17	0.00	145.17	1,638.37	390.49	905.19	817.77	27.14	-2.35	0.187
121.00	-15.47	-3.19	0.00	-141.95	0.00	141.95	1,628.70	387.79	892.71	807.25	27.64	-2.37	0.185
122.00	-15.29	-3.17	0.00	-138.76	0.00	138.76	1,617.35	385.08	880.32	795.98	28.14	-2.40	0.184
123.00	-15.11	-3.15	0.00	-135.59	0.00	135.59	1,606.00	382.38	868.02	784.78	28.64	-2.42	0.182
124.00	-14.94	-3.13	0.00	-132.44	0.00	132.44	1,594.66	379.68	855.80	773.67	29.15	-2.45	0.181
124.99	-14.76	-3.12	0.00	-129.33	0.00	129.33	1,583.38	376.99	843.74	762.70	29.67	-2.47	0.179
124.99	-14.76	-3.12	0.00	-129.33	0.00	129.33	1,139.37	293.99	659.58	551.72	29.67	-2.47	0.247
125.00	-14.76	-3.11	0.00	-129.31	0.00	129.31	1,139.34	293.98	659.53	551.68	29.67	-2.47	0.247
126.00	-14.60	-3.09	0.00	-126.20	0.00	126.20	1,134.60	291.88	650.13	545.42	30.19	-2.50	0.244
127.00	-14.44	-3.08	0.00	-123.10	0.00	123.10	1,129.80	289.77	640.81	539.17	30.72	-2.53	0.241
128.00	-14.29	-3.06	0.00	-120.03	0.00	120.03	1,124.96	287.67	631.55	532.93	31.25	-2.56	0.238
129.00	-14.13	-3.04	0.00	-116.97	0.00	116.97	1,120.07	285.57	622.36	526.70	31.79	-2.59	0.235
130.00	-13.98	-3.02	0.00	-113.93	0.00	113.93	1,115.13	283.47	613.24	520.48	32.33	-2.62	0.232
131.00	-13.83	-3.00	0.00	-110.91	0.00	110.91	1,110.14	281.37	604.18	514.28	32.88	-2.65	0.228
132.00	-13.67	-2.98	0.00	-107.91	0.00	107.91	1,105.10	279.27	595.19	508.08	33.44	-2.68	0.225
133.00	-13.52	-2.96	0.00	-104.93	0.00	104.93	1,100.01	277.17	586.27	501.90	34.01	-2.71	0.221
134.00	-13.37	-2.94	0.00	-101.97	0.00	101.97	1,094.88	275.06	577.42	495.73	34.58	-2.74	0.218

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:12:51 PM

Customer: AT&T MOBILITY

Load Case: 1.2D + 1.0Di + 1.0Wi

49 mph with 0.85 in Radial Ice

42 Iterations

Gust Response Factor :1.10

Ice Dead Load Factor 1.00

Dead Load Factor :1.20

Ice Importance Factor :1.00

Wind Load Factor :1.00

135.00	-13.22	-2.93	0.00	-99.02	0.00	99.02	1,089.69	272.96	568.63	489.58	35.15	-2.76	0.215
136.00	-13.07	-2.91	0.00	-96.10	0.00	96.10	1,084.45	270.86	559.91	483.44	35.73	-2.79	0.211
137.00	-12.92	-2.89	0.00	-93.19	0.00	93.19	1,079.17	268.76	551.26	477.31	36.32	-2.82	0.207
138.00	-12.77	-2.87	0.00	-90.30	0.00	90.30	1,073.84	266.66	542.68	471.20	36.92	-2.85	0.204
139.00	-12.62	-2.85	0.00	-87.44	0.00	87.44	1,068.46	264.56	534.16	465.11	37.51	-2.88	0.200
140.00	-12.47	-2.83	0.00	-84.59	0.00	84.59	1,063.03	262.46	525.71	459.03	38.12	-2.91	0.196
141.00	-12.33	-2.81	0.00	-81.76	0.00	81.76	1,057.55	260.35	517.33	452.97	38.73	-2.93	0.192
142.00	-12.18	-2.79	0.00	-78.95	0.00	78.95	1,052.02	258.25	509.01	446.93	39.35	-2.96	0.188
143.00	-11.86	-2.65	0.00	-76.16	0.00	76.16	1,046.44	256.15	500.77	440.91	39.97	-2.99	0.184
144.00	-11.53	-2.55	0.00	-73.51	0.00	73.51	1,040.82	254.05	492.59	434.90	40.60	-3.01	0.180
145.00	-11.40	-2.53	0.00	-70.96	0.00	70.96	1,035.14	251.95	484.47	428.91	41.23	-3.04	0.177
146.00	-11.27	-2.52	0.00	-68.42	0.00	68.42	1,029.42	249.85	476.43	422.95	41.87	-3.07	0.173
147.00	-11.14	-2.50	0.00	-65.91	0.00	65.91	1,023.64	247.74	468.45	417.00	42.52	-3.09	0.169
148.00	-11.01	-2.48	0.00	-63.41	0.00	63.41	1,017.82	245.64	460.54	411.07	43.17	-3.12	0.165
149.00	-10.88	-2.46	0.00	-60.93	0.00	60.93	1,011.95	243.54	452.70	405.17	43.82	-3.14	0.161
150.00	-10.51	-2.38	0.00	-58.47	0.00	58.47	1,006.03	241.44	444.92	399.28	44.48	-3.17	0.157
151.00	-10.39	-2.37	0.00	-56.08	0.00	56.08	1,000.06	239.34	437.21	393.42	45.15	-3.19	0.153
152.00	-10.26	-2.35	0.00	-53.72	0.00	53.72	994.04	237.24	429.57	387.58	45.82	-3.22	0.149
153.00	-10.14	-2.33	0.00	-51.37	0.00	51.37	987.57	235.14	422.00	381.61	46.50	-3.24	0.145
154.00	-10.01	-2.30	0.00	-49.04	0.00	49.04	978.74	233.03	414.49	374.78	47.18	-3.26	0.141
155.00	-9.89	-2.26	0.00	-46.74	0.00	46.74	969.92	230.93	407.05	368.01	47.86	-3.28	0.137
156.00	-9.69	-2.19	0.00	-44.48	0.00	44.48	961.09	228.83	399.68	361.31	48.55	-3.31	0.133
157.00	-9.49	-2.09	0.00	-42.29	0.00	42.29	952.26	226.73	392.37	354.66	49.25	-3.33	0.129
158.00	-9.37	-2.06	0.00	-40.20	0.00	40.20	943.44	224.63	385.14	348.08	49.95	-3.35	0.126
159.00	-9.26	-2.03	0.00	-38.14	0.00	38.14	934.61	222.53	377.97	341.56	50.65	-3.37	0.122
160.00	-9.14	-1.99	0.00	-36.11	0.00	36.11	925.79	220.43	370.87	335.10	51.36	-3.39	0.118
161.00	-9.03	-1.96	0.00	-34.12	0.00	34.12	916.96	218.32	363.83	328.70	52.07	-3.41	0.114
162.00	-8.92	-1.92	0.00	-32.16	0.00	32.16	908.13	216.22	356.86	322.37	52.79	-3.43	0.110
163.00	-8.81	-1.89	0.00	-30.24	0.00	30.24	899.31	214.12	349.96	316.09	53.51	-3.45	0.106
164.00	-8.69	-1.85	0.00	-28.35	0.00	28.35	890.48	212.02	343.13	309.88	54.23	-3.47	0.101
165.00	-8.58	-1.82	0.00	-26.50	0.00	26.50	881.65	209.92	336.36	303.73	54.96	-3.48	0.097
166.00	-8.48	-1.78	0.00	-24.68	0.00	24.68	872.83	207.82	329.67	297.64	55.69	-3.50	0.093
167.00	-8.37	-1.75	0.00	-22.90	0.00	22.90	864.00	205.71	323.04	291.61	56.42	-3.52	0.088
168.00	-8.26	-1.71	0.00	-21.15	0.00	21.15	855.17	203.61	316.47	285.65	57.16	-3.53	0.084
169.00	-8.15	-1.68	0.00	-19.43	0.00	19.43	846.35	201.51	309.98	279.74	57.90	-3.54	0.079
170.00	-7.84	-1.54	0.00	-17.57	0.00	17.57	837.52	199.41	303.55	273.90	58.64	-3.56	0.074
171.00	-7.75	-1.53	0.00	-16.03	0.00	16.03	828.70	197.31	297.19	268.12	59.39	-3.57	0.069
172.00	-7.66	-1.51	0.00	-14.51	0.00	14.51	819.87	195.21	290.89	262.40	60.14	-3.58	0.065
173.00	-7.58	-1.49	0.00	-13.00	0.00	13.00	811.04	193.11	284.67	256.74	60.89	-3.59	0.060
174.00	-7.50	-1.47	0.00	-11.51	0.00	11.51	802.22	191.00	278.51	251.15	61.64	-3.60	0.055
175.00	-7.41	-1.46	0.00	-10.03	0.00	10.03	793.39	188.90	272.41	245.61	62.40	-3.61	0.050
176.00	-7.33	-1.44	0.00	-8.58	0.00	8.58	784.56	186.80	266.39	240.14	63.16	-3.62	0.045
177.00	-7.14	-1.39	0.00	-7.13	0.00	7.13	775.74	184.70	260.43	234.73	63.91	-3.63	0.040
178.00	-7.06	-1.37	0.00	-5.75	0.00	5.75	766.91	182.60	254.54	229.38	64.67	-3.63	0.034
179.00	-6.98	-1.35	0.00	-4.38	0.00	4.38	758.08	180.50	248.72	224.09	65.44	-3.64	0.029
180.00	0.00	-0.91	0.00	-3.03	0.00	3.03	749.26	178.39	242.97	218.87	66.20	-3.64	0.014

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:12:51 PM

Customer: AT&T MOBILITY

Load Case: 1.0D + 1.0W

Serviceability 60 mph

41 Iterations

Gust Response Factor :1.10

Dead Load Factor :1.00

Wind Load Factor :1.00

Applied Segment Forces Summary

Seg Elev (ft)	Description	Shaft Forces		Discrete Forces			Linear Forces		Sum of Forces				
		Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Torsion MY (lb-ft)	Moment MZ (lb)
0.00		11.1	0.0					0.0	0.0	11.1	0.0	0.0	0.0
1.00		22.2	178.9					0.0	27.8	22.2	206.7	0.0	0.0
2.00		22.2	178.2					0.0	27.8	22.2	206.0	0.0	0.0
3.00		21.5	177.5					0.0	27.8	21.5	205.3	0.0	0.0
3.94		11.1	166.2					0.0	26.1	11.1	192.3	0.0	0.0
4.00		11.7	10.6					0.0	1.7	11.7	12.3	0.0	0.0
5.00		22.1	176.1					0.0	27.8	22.1	203.9	0.0	0.0
6.00		22.1	175.4					0.0	27.8	22.1	203.2	0.0	0.0
7.00		22.0	174.7					0.0	27.8	22.0	202.5	0.0	0.0
8.00		22.0	174.0					0.0	27.8	22.0	201.8	0.0	0.0
9.00		22.0	173.3					0.0	27.8	22.0	201.1	0.0	0.0
10.00		21.9	172.6					0.0	27.8	21.9	200.4	0.0	0.0
11.00		21.9	171.9					0.0	27.8	21.9	199.7	0.0	0.0
12.00		21.9	171.2					0.0	27.8	21.9	199.0	0.0	0.0
13.00		21.9	170.5					0.0	27.8	21.9	198.3	0.0	0.0
14.00		21.8	169.8					0.0	27.8	21.8	197.6	0.0	0.0
15.00		21.8	169.1					0.0	27.8	21.8	196.9	0.0	0.0
16.00		21.8	168.4					0.0	27.8	21.8	196.2	0.0	0.0
17.00		21.7	167.7					0.0	27.8	21.7	195.5	0.0	0.0
18.00		21.7	167.0					0.0	27.8	21.7	194.8	0.0	0.0
19.00		21.7	166.3					0.0	27.8	21.7	194.1	0.0	0.0
20.00		21.6	165.6					0.0	27.8	21.6	193.4	0.0	0.0
21.00		21.6	164.9					0.0	27.8	21.6	192.7	0.0	0.0
22.00		21.6	164.2					0.0	27.8	21.6	192.0	0.0	0.0
23.00		21.6	163.5					0.0	27.8	21.6	191.3	0.0	0.0
24.00		21.5	162.8					0.0	27.8	21.5	190.6	0.0	0.0
25.00		21.5	162.1					0.0	27.8	21.5	189.9	0.0	0.0
26.00		21.5	161.4					0.0	27.8	21.5	189.2	0.0	0.0
27.00		21.4	160.7					0.0	27.8	21.4	188.5	0.0	0.0
28.00		21.4	160.0					0.0	27.8	21.4	187.8	0.0	0.0
29.00		21.4	159.3					0.0	27.8	21.4	187.1	0.0	0.0
30.00		21.4	158.6					0.0	27.8	21.4	186.4	0.0	0.0
31.00		21.5	157.9					0.0	27.8	21.5	185.7	0.0	0.0
32.00		21.7	157.2					0.0	27.8	21.7	185.0	0.0	0.0
33.00		21.9	156.5					0.0	27.8	21.9	184.3	0.0	0.0
34.00		22.0	155.8					0.0	27.8	22.0	183.6	0.0	0.0
35.00		22.2	155.2					0.0	27.8	22.2	183.0	0.0	0.0
36.00		22.3	154.5					0.0	27.8	22.3	182.3	0.0	0.0
37.00		22.5	153.8					0.0	27.8	22.5	181.6	0.0	0.0
38.00		22.6	153.1					0.0	27.8	22.6	180.9	0.0	0.0
39.00		22.8	152.4					0.0	27.8	22.8	180.2	0.0	0.0
40.00		22.9	151.7					0.0	27.8	22.9	179.5	0.0	0.0
41.00		23.0	151.0					0.0	27.8	23.0	178.8	0.0	0.0
42.00		15.4	150.3					0.0	27.8	15.4	178.1	0.0	0.0
42.33	Bot - Section 2	11.8	50.1					0.0	9.3	11.8	59.4	0.0	0.0
43.00		19.8	192.5					0.0	18.5	19.8	211.0	0.0	0.0
44.00		23.8	288.0					0.0	27.8	23.8	315.8	0.0	0.0
45.00		24.0	286.7					0.0	27.8	24.0	314.5	0.0	0.0

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:13:13 PM

Customer: AT&T MOBILITY

Load Case: 1.0D + 1.0W			Serviceability 60 mph						41 Iterations				
Gust Response Factor :1.10													
Dead Load Factor :1.00													
Wind Load Factor :1.00													
46.00	Top - Section 1	24.1	285.4					0.0	27.8	24.1	313.2	0.0	0.0
47.00		24.2	284.0					0.0	27.8	24.2	311.8	0.0	0.0
48.00		24.2	282.7					0.0	27.8	24.2	310.5	0.0	0.0
49.00		24.1	136.0					0.0	27.8	24.1	163.8	0.0	0.0
50.00		24.2	135.3					0.0	27.8	24.2	163.1	0.0	0.0
51.00		24.3	134.7					0.0	27.8	24.3	162.5	0.0	0.0
52.00		24.4	134.0					0.0	27.8	24.4	161.8	0.0	0.0
53.00		24.5	133.4					0.0	27.8	24.5	161.2	0.0	0.0
54.00		24.6	132.8					0.0	27.8	24.6	160.6	0.0	0.0
55.00		24.7	132.1					0.0	27.8	24.7	159.9	0.0	0.0
56.00		24.8	131.5					0.0	27.8	24.8	159.3	0.0	0.0
57.00		24.9	130.8					0.0	27.8	24.9	158.6	0.0	0.0
58.00		25.0	130.2					0.0	27.8	25.0	158.0	0.0	0.0
59.00		25.1	129.6					0.0	27.8	25.1	157.4	0.0	0.0
60.00		25.2	128.9					0.0	27.8	25.2	156.7	0.0	0.0
61.00		25.3	128.3					0.0	27.8	25.3	156.1	0.0	0.0
62.00		25.4	127.6					0.0	27.8	25.4	155.4	0.0	0.0
63.00		25.4	127.0					0.0	27.8	25.4	154.8	0.0	0.0
64.00		25.5	126.4					0.0	27.8	25.5	154.2	0.0	0.0
65.00		25.6	125.7					0.0	27.8	25.6	153.5	0.0	0.0
66.00	25.7	125.1					0.0	27.8	25.7	152.9	0.0	0.0	
67.00	25.8	124.4					0.0	27.8	25.8	152.2	0.0	0.0	
68.00	25.8	123.8					0.0	27.8	25.8	151.6	0.0	0.0	
69.00	25.9	123.2					0.0	27.8	25.9	151.0	0.0	0.0	
70.00	26.0	122.5					0.0	27.8	26.0	150.3	0.0	0.0	
71.00	26.1	121.9					0.0	27.8	26.1	149.7	0.0	0.0	
72.00	26.1	121.2					0.0	27.8	26.1	149.0	0.0	0.0	
73.00	26.2	120.6					0.0	27.8	26.2	148.4	0.0	0.0	
74.00	26.3	120.0					0.0	27.8	26.3	147.8	0.0	0.0	
75.00	26.4	119.3					0.0	27.8	26.4	147.1	0.0	0.0	
76.00	26.4	118.7					0.0	27.8	26.4	146.5	0.0	0.0	
77.00	26.5	118.0					0.0	27.8	26.5	145.8	0.0	0.0	
78.00	26.6	117.4					0.0	27.8	26.6	145.2	0.0	0.0	
79.00	26.6	116.8					0.0	27.8	26.6	144.6	0.0	0.0	
80.00	Appurtenance(s)	26.7	116.1	422.3	0.0	0.0	194.0	0.0	27.8	449.0	337.9	0.0	0.0
81.00		26.8	115.5					0.0	27.5	26.8	142.9	0.0	0.0
82.00		26.8	114.8					0.0	27.5	26.8	142.3	0.0	0.0
83.00		26.9	114.2					0.0	27.5	26.9	141.7	0.0	0.0
84.00		27.0	113.6					0.0	27.5	27.0	141.0	0.0	0.0
85.00		14.6	112.9					0.0	27.5	14.6	140.4	0.0	0.0
85.08	Bot - Section 3	13.8	9.5					0.0	2.3	13.8	11.8	0.0	0.0
86.00		26.4	188.7					0.0	25.2	26.4	213.8	0.0	0.0
87.00		27.7	204.9					0.0	27.5	27.7	232.4	0.0	0.0
88.00		27.7	203.7					0.0	27.5	27.7	231.2	0.0	0.0
89.00		27.8	202.6					0.0	27.5	27.8	230.0	0.0	0.0
90.00		13.9	201.4					0.0	27.5	13.9	228.9	0.0	0.0
90.00	Top - Section 2	13.7	0.2					0.0	0.0	13.7	0.2	0.0	0.0
91.00		27.5	91.1					0.0	27.4	27.5	118.5	0.0	0.0
92.00		27.5	90.6					0.0	27.5	27.5	118.1	0.0	0.0
93.00		27.6	90.1					0.0	27.5	27.6	117.6	0.0	0.0
94.00		27.6	89.6					0.0	27.5	27.6	117.1	0.0	0.0
95.00		27.7	89.1					0.0	27.5	27.7	116.5	0.0	0.0
96.00		27.8	88.5					0.0	27.5	27.8	116.0	0.0	0.0
97.00		27.8	88.0					0.0	27.5	27.8	115.5	0.0	0.0
98.00		27.7	87.5					0.0	27.5	27.7	115.0	0.0	0.0
99.00		27.6	87.0					0.0	27.5	27.6	114.4	0.0	0.0
100.00	Appurtenance(s)	27.4	86.5	36.5	0.0	23.4	109.0	0.0	27.5	64.0	222.9	0.0	0.0

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:13:13 PM

Customer: AT&T MOBILITY

Load Case: 1.0D + 1.0W			Serviceability 60 mph						41 Iterations				
Gust Response Factor :1.10													
Dead Load Factor :1.00													
Wind Load Factor :1.00													
101.00		27.3	85.9					0.0	27.3	27.3	113.2	0.0	0.0
102.00		27.2	85.4					0.0	27.3	27.2	112.7	0.0	0.0
103.00		27.0	84.9					0.0	27.3	27.0	112.2	0.0	0.0
104.00		26.9	84.4					0.0	27.3	26.9	111.7	0.0	0.0
105.00		26.7	83.8					0.0	27.3	26.8	111.2	0.0	0.0
106.00		26.6	83.3					0.0	27.3	26.6	110.6	0.0	0.0
107.00		26.4	82.8					0.0	27.3	26.5	110.1	0.0	0.0
108.00		26.3	82.3					0.0	27.3	26.3	109.6	0.0	0.0
109.00		26.1	81.7					0.0	27.3	26.2	109.1	0.0	0.0
110.00	Appurtenance(s)	26.0	81.2	96.4	0.0	0.0	218.2	0.0	27.3	122.4	326.7	0.0	0.0
111.00		25.8	80.7					0.0	27.2	25.8	107.9	0.0	0.0
112.00		25.7	80.2					0.0	27.2	25.7	107.3	0.0	0.0
113.00	Appurtenance(s)	25.5	79.6	13.7	0.0	-41.0	11.0	0.0	27.2	39.2	117.8	0.0	0.0
114.00		25.3	79.1					0.0	27.0	25.4	106.1	0.0	0.0
115.00		25.2	78.6					0.0	27.0	25.2	105.6	0.0	0.0
116.00		25.0	78.1					0.0	27.0	25.1	105.1	0.0	0.0
117.00		24.8	77.5					0.1	27.0	24.9	104.6	0.0	0.0
118.00		24.7	77.0					0.1	27.0	24.7	104.0	0.0	0.0
119.00		24.5	76.5					0.1	27.0	24.6	103.5	0.0	0.0
120.00		24.3	76.0					0.1	27.0	24.4	103.0	0.0	0.0
121.00		24.2	75.4					0.1	27.0	24.2	102.5	0.0	0.0
122.00		24.0	74.9					0.1	27.0	24.1	101.9	0.0	0.0
123.00		23.8	74.4					0.1	27.0	23.9	101.4	0.0	0.0
124.00		23.6	73.9					0.1	27.0	23.6	100.9	0.0	0.0
124.99	Top - Section 3	11.8	72.9					0.1	26.9	11.8	99.8	0.0	0.0
125.00		11.8	0.3					0.0	0.2	11.8	0.5	0.0	0.0
126.00		23.3	56.8					0.1	27.0	23.4	83.8	0.0	0.0
127.00		23.1	56.4					0.1	27.0	23.2	83.4	0.0	0.0
128.00		22.9	56.0					0.1	27.0	23.0	83.0	0.0	0.0
129.00		22.7	55.6					0.1	27.0	22.8	82.6	0.0	0.0
130.00		22.6	55.2					0.1	27.0	22.6	82.2	0.0	0.0
131.00		22.4	54.8					0.1	27.0	22.5	81.8	0.0	0.0
132.00		22.2	54.4					0.1	27.0	22.3	81.4	0.0	0.0
133.00		22.0	53.9					0.1	27.0	22.1	81.0	0.0	0.0
134.00		21.8	53.5					0.1	27.0	21.9	80.6	0.0	0.0
135.00		21.6	53.1					0.1	27.0	21.7	80.1	0.0	0.0
136.00		21.4	52.7					0.1	27.0	21.5	79.7	0.0	0.0
137.00		21.2	52.3					0.1	27.0	21.4	79.3	0.0	0.0
138.00		21.1	51.9					0.1	27.0	21.2	78.9	0.0	0.0
139.00		20.9	51.5					0.1	27.0	21.0	78.5	0.0	0.0
140.00		20.7	51.1					0.1	27.0	20.8	78.1	0.0	0.0
141.00		20.5	50.7					0.1	27.0	20.6	77.7	0.0	0.0
142.00		20.3	50.3					0.1	27.0	20.4	77.3	0.0	0.0
143.00	Appurtenance(s)	20.1	49.9	92.1	0.0	0.0	68.0	0.1	27.0	112.3	144.9	0.0	0.0
144.00	Appurtenance(s)	18.7	49.5	54.1	0.0	0.0	53.0	0.1	23.7	72.9	126.2	0.0	0.0
145.00		17.4	49.1					0.0	22.1	17.4	71.2	0.0	0.0
146.00		17.4	48.6					0.0	22.1	17.4	70.7	0.0	0.0
147.00		17.3	48.2					0.0	22.1	17.3	70.3	0.0	0.0
148.00		17.3	47.8					0.0	22.1	17.3	69.9	0.0	0.0
149.00		17.3	47.4					0.0	22.1	17.3	69.5	0.0	0.0
150.00	Appurtenance(s)	17.2	47.0	51.0	0.0	0.0	225.0	0.0	22.1	68.2	294.1	0.0	0.0
151.00		17.2	46.6					0.0	22.0	17.2	68.6	0.0	0.0
152.00		17.2	46.2					0.0	22.0	17.2	68.2	0.0	0.0
153.00		17.2	45.8					0.0	22.0	17.2	67.7	0.0	0.0
154.00		17.1	45.4					0.0	22.0	17.1	67.3	0.0	0.0
155.00		17.1	45.0					0.0	22.0	17.1	66.9	0.0	0.0
156.00	Appurtenance(s)	15.8	44.6	21.3	0.0	0.0	18.5	0.0	22.0	37.1	85.0	0.0	0.0

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:13:13 PM

Customer: AT&T MOBILITY

Load Case: 1.0D + 1.0W			Serviceability 60 mph								41 Iterations		
Gust Response Factor :1.10													
Dead Load Factor :1.00													
Wind Load Factor :1.00													
157.00	Appurtenance(s)	14.4	44.2	47.3	0.0	0.0	34.0	0.0	21.1	61.7	99.3	0.0	0.0
158.00		14.2	43.8					0.0	20.3	14.2	64.1	0.0	0.0
159.00		14.1	43.3					0.0	20.3	14.1	63.7	0.0	0.0
160.00		14.0	42.9					0.0	20.3	14.0	63.3	0.0	0.0
161.00		13.9	42.5					0.0	20.3	13.9	62.8	0.0	0.0
162.00		13.8	42.1					0.0	20.3	13.8	62.4	0.0	0.0
163.00		13.7	41.7					0.0	20.3	13.7	62.0	0.0	0.0
164.00		13.6	41.3					0.0	20.3	13.6	61.6	0.0	0.0
165.00		13.4	40.9					0.0	20.3	13.4	61.2	0.0	0.0
166.00		13.3	40.5					0.0	20.3	13.3	60.8	0.0	0.0
167.00		13.2	40.1					0.0	20.3	13.2	60.4	0.0	0.0
168.00		13.1	39.7					0.0	20.3	13.1	60.0	0.0	0.0
169.00		13.0	39.3					0.0	20.3	13.0	59.6	0.0	0.0
170.00	Appurtenance(s)	12.9	38.9	95.6	0.0	191.3	79.2	0.0	20.3	108.5	138.4	0.0	0.0
171.00		12.8	38.5					0.0	15.4	12.8	53.8	0.0	0.0
172.00		12.7	38.1					0.0	15.4	12.7	53.4	0.0	0.0
173.00		12.6	37.6					0.0	15.4	12.6	53.0	0.0	0.0
174.00		12.4	37.2					0.0	15.4	12.4	52.6	0.0	0.0
175.00		12.3	36.8					0.0	15.4	12.3	52.2	0.0	0.0
176.00		12.2	36.4					0.0	15.4	12.2	51.8	0.0	0.0
177.00	Appurtenance(s)	12.1	36.0	33.2	0.0	0.0	47.2	0.0	15.4	45.3	98.6	0.0	0.0
178.00		12.0	35.6					0.0	14.8	12.0	50.4	0.0	0.0
179.00		11.9	35.2					0.0	14.8	11.9	50.0	0.0	0.0
180.00	Appurtenance(s)	5.9	34.8	967.2	0.0	3,523.4	3,909.2	0.0	14.8	973.1	3,958.8	0.0	0.0
Totals:										5,935.17	29,224.8	0.00	0.00

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:13:13 PM

Customer: AT&T MOBILITY

Load Case: 1.0D + 1.0W

Serviceability 60 mph

41 Iterations

Gust Response Factor :1.10

Dead Load Factor :1.00

Wind Load Factor :1.00

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-29.22	-5.93	0.00	-674.28	0.00	674.28	3,477.38	924.48	3,804.54	3,090.64	0.00	0.00	0.227
1.00	-29.02	-5.91	0.00	-668.35	0.00	668.35	3,470.08	920.88	3,774.95	3,072.04	0.00	-0.01	0.226
2.00	-28.81	-5.90	0.00	-662.44	0.00	662.44	3,462.74	917.28	3,745.48	3,053.44	0.01	-0.03	0.225
3.00	-28.60	-5.88	0.00	-656.54	0.00	656.54	3,455.35	913.68	3,716.13	3,034.85	0.01	-0.04	0.225
3.94	-28.41	-5.87	0.00	-651.01	0.00	651.01	3,448.35	910.29	3,688.64	3,017.39	0.02	-0.06	0.224
4.00	-28.40	-5.87	0.00	-650.66	0.00	650.66	3,447.91	910.07	3,686.89	3,016.27	0.03	-0.06	0.224
5.00	-28.19	-5.85	0.00	-644.80	0.00	644.80	3,440.42	906.47	3,657.77	2,997.70	0.04	-0.08	0.223
6.00	-27.99	-5.84	0.00	-638.94	0.00	638.94	3,432.88	902.87	3,628.76	2,979.14	0.06	-0.09	0.223
7.00	-27.78	-5.82	0.00	-633.11	0.00	633.11	3,425.29	899.27	3,599.87	2,960.59	0.08	-0.11	0.222
8.00	-27.58	-5.81	0.00	-627.28	0.00	627.28	3,417.65	895.66	3,571.09	2,942.06	0.10	-0.12	0.221
9.00	-27.38	-5.79	0.00	-621.48	0.00	621.48	3,409.97	892.06	3,542.43	2,923.53	0.13	-0.14	0.221
10.00	-27.17	-5.78	0.00	-615.69	0.00	615.69	3,402.23	888.46	3,513.88	2,905.01	0.16	-0.15	0.220
11.00	-26.97	-5.76	0.00	-609.91	0.00	609.91	3,394.45	884.86	3,485.45	2,886.51	0.19	-0.17	0.219
12.00	-26.77	-5.75	0.00	-604.15	0.00	604.15	3,386.61	881.25	3,457.14	2,868.02	0.23	-0.18	0.219
13.00	-26.57	-5.73	0.00	-598.40	0.00	598.40	3,378.73	877.65	3,428.94	2,849.54	0.27	-0.20	0.218
14.00	-26.37	-5.72	0.00	-592.67	0.00	592.67	3,370.80	874.05	3,400.85	2,831.08	0.31	-0.21	0.217
15.00	-26.17	-5.70	0.00	-586.96	0.00	586.96	3,362.82	870.45	3,372.89	2,812.63	0.36	-0.23	0.217
16.00	-25.98	-5.68	0.00	-581.26	0.00	581.26	3,354.79	866.84	3,345.03	2,794.20	0.41	-0.24	0.216
17.00	-25.78	-5.67	0.00	-575.57	0.00	575.57	3,346.72	863.24	3,317.30	2,775.78	0.46	-0.26	0.215
18.00	-25.58	-5.65	0.00	-569.90	0.00	569.90	3,338.59	859.64	3,289.67	2,757.38	0.52	-0.28	0.214
19.00	-25.39	-5.64	0.00	-564.25	0.00	564.25	3,330.41	856.04	3,262.17	2,738.99	0.58	-0.29	0.214
20.00	-25.19	-5.62	0.00	-558.61	0.00	558.61	3,322.19	852.43	3,234.78	2,720.63	0.64	-0.31	0.213
21.00	-25.00	-5.61	0.00	-552.99	0.00	552.99	3,313.92	848.83	3,207.50	2,702.28	0.70	-0.32	0.212
22.00	-24.81	-5.59	0.00	-547.38	0.00	547.38	3,305.59	845.23	3,180.34	2,683.94	0.77	-0.34	0.211
23.00	-24.61	-5.57	0.00	-541.79	0.00	541.79	3,297.22	841.63	3,153.30	2,665.63	0.85	-0.35	0.211
24.00	-24.42	-5.56	0.00	-536.22	0.00	536.22	3,288.80	838.02	3,126.37	2,647.33	0.92	-0.37	0.210
25.00	-24.23	-5.54	0.00	-530.66	0.00	530.66	3,280.33	834.42	3,099.55	2,629.06	1.00	-0.39	0.209
26.00	-24.04	-5.53	0.00	-525.12	0.00	525.12	3,271.81	830.82	3,072.86	2,610.80	1.08	-0.40	0.209
27.00	-23.85	-5.51	0.00	-519.59	0.00	519.59	3,263.25	827.21	3,046.27	2,592.57	1.17	-0.42	0.208
28.00	-23.66	-5.49	0.00	-514.08	0.00	514.08	3,254.63	823.61	3,019.81	2,574.36	1.26	-0.43	0.207
29.00	-23.47	-5.48	0.00	-508.59	0.00	508.59	3,245.97	820.01	2,993.45	2,556.16	1.35	-0.45	0.206
30.00	-23.28	-5.46	0.00	-503.11	0.00	503.11	3,237.25	816.41	2,967.22	2,537.99	1.45	-0.47	0.205
31.00	-23.10	-5.44	0.00	-497.65	0.00	497.65	3,228.49	812.80	2,941.10	2,519.85	1.55	-0.48	0.205
32.00	-22.91	-5.43	0.00	-492.21	0.00	492.21	3,219.68	809.20	2,915.09	2,501.72	1.65	-0.50	0.204
33.00	-22.72	-5.41	0.00	-486.78	0.00	486.78	3,210.82	805.60	2,889.20	2,483.62	1.76	-0.51	0.203
34.00	-22.54	-5.39	0.00	-481.37	0.00	481.37	3,201.91	802.00	2,863.43	2,465.55	1.87	-0.53	0.202
35.00	-22.35	-5.38	0.00	-475.97	0.00	475.97	3,192.95	798.39	2,837.77	2,447.50	1.98	-0.55	0.202
36.00	-22.17	-5.36	0.00	-470.60	0.00	470.60	3,183.94	794.79	2,812.23	2,429.47	2.09	-0.56	0.201
37.00	-21.99	-5.34	0.00	-465.24	0.00	465.24	3,174.88	791.19	2,786.80	2,411.47	2.21	-0.58	0.200
38.00	-21.81	-5.32	0.00	-459.90	0.00	459.90	3,165.78	787.59	2,761.49	2,393.50	2.34	-0.60	0.199
39.00	-21.62	-5.30	0.00	-454.58	0.00	454.58	3,156.62	783.98	2,736.29	2,375.55	2.46	-0.61	0.198
40.00	-21.44	-5.29	0.00	-449.27	0.00	449.27	3,147.42	780.38	2,711.21	2,357.63	2.59	-0.63	0.197
41.00	-21.26	-5.27	0.00	-443.99	0.00	443.99	3,138.17	776.78	2,686.24	2,339.74	2.73	-0.65	0.197

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:13:13 PM

Customer: AT&T MOBILITY

Load Case: 1.0D + 1.0W

Serviceability 60 mph

41 Iterations

Gust Response Factor :1.10

Dead Load Factor :1.00

Wind Load Factor :1.00

42.00	-21.09	-5.25	0.00	-438.72	0.00	438.72	3,128.87	773.18	2,661.39	2,321.87	2.87	-0.66	0.196
42.33	-21.03	-5.24	0.00	-436.97	0.00	436.97	3,125.75	771.97	2,653.11	2,315.91	2.91	-0.67	0.195
43.00	-20.81	-5.23	0.00	-433.48	0.00	433.48	3,119.52	769.57	2,636.66	2,304.04	3.01	-0.68	0.195
44.00	-20.50	-5.20	0.00	-428.25	0.00	428.25	3,110.12	765.97	2,612.04	2,286.23	3.15	-0.70	0.194
45.00	-20.18	-5.18	0.00	-423.05	0.00	423.05	3,100.67	762.37	2,587.53	2,268.46	3.30	-0.71	0.193
46.00	-19.87	-5.16	0.00	-417.86	0.00	417.86	3,091.17	758.77	2,563.15	2,250.71	3.45	-0.73	0.192
47.00	-19.55	-5.14	0.00	-412.70	0.00	412.70	3,081.63	755.16	2,538.87	2,233.00	3.60	-0.75	0.191
48.00	-19.24	-5.12	0.00	-407.57	0.00	407.57	2,760.51	702.89	2,399.36	2,033.17	3.76	-0.76	0.207
49.00	-19.08	-5.09	0.00	-402.45	0.00	402.45	2,752.72	699.59	2,376.88	2,017.82	3.92	-0.78	0.206
50.00	-18.91	-5.07	0.00	-397.36	0.00	397.36	2,744.89	696.29	2,354.50	2,002.49	4.09	-0.80	0.205
51.00	-18.75	-5.05	0.00	-392.28	0.00	392.28	2,737.01	692.99	2,332.22	1,987.18	4.26	-0.81	0.204
52.00	-18.59	-5.03	0.00	-387.23	0.00	387.23	2,729.07	689.68	2,310.05	1,971.89	4.43	-0.83	0.203
53.00	-18.42	-5.01	0.00	-382.20	0.00	382.20	2,721.09	686.38	2,287.99	1,956.62	4.60	-0.85	0.202
54.00	-18.26	-4.99	0.00	-377.19	0.00	377.19	2,713.06	683.08	2,266.04	1,941.37	4.78	-0.87	0.201
55.00	-18.10	-4.97	0.00	-372.20	0.00	372.20	2,704.99	679.78	2,244.19	1,926.14	4.97	-0.88	0.200
56.00	-17.94	-4.95	0.00	-367.23	0.00	367.23	2,696.86	676.47	2,222.44	1,910.94	5.15	-0.90	0.199
57.00	-17.78	-4.92	0.00	-362.29	0.00	362.29	2,688.68	673.17	2,200.80	1,895.75	5.34	-0.92	0.198
58.00	-17.62	-4.90	0.00	-357.36	0.00	357.36	2,680.46	669.87	2,179.27	1,880.59	5.54	-0.93	0.197
59.00	-17.46	-4.88	0.00	-352.46	0.00	352.46	2,672.18	666.57	2,157.84	1,865.45	5.74	-0.95	0.196
60.00	-17.31	-4.86	0.00	-347.58	0.00	347.58	2,663.86	663.26	2,136.52	1,850.34	5.94	-0.97	0.194
61.00	-17.15	-4.83	0.00	-342.73	0.00	342.73	2,655.49	659.96	2,115.31	1,835.24	6.14	-0.99	0.193
62.00	-16.99	-4.81	0.00	-337.89	0.00	337.89	2,647.07	656.66	2,094.20	1,820.18	6.35	-1.00	0.192
63.00	-16.84	-4.79	0.00	-333.08	0.00	333.08	2,638.60	653.36	2,073.20	1,805.14	6.56	-1.02	0.191
64.00	-16.68	-4.76	0.00	-328.30	0.00	328.30	2,630.08	650.05	2,052.30	1,790.12	6.78	-1.04	0.190
65.00	-16.53	-4.74	0.00	-323.53	0.00	323.53	2,621.51	646.75	2,031.51	1,775.14	7.00	-1.06	0.189
66.00	-16.37	-4.72	0.00	-318.79	0.00	318.79	2,612.90	643.45	2,010.82	1,760.18	7.22	-1.07	0.187
67.00	-16.22	-4.69	0.00	-314.07	0.00	314.07	2,604.23	640.15	1,990.24	1,745.24	7.45	-1.09	0.186
68.00	-16.07	-4.67	0.00	-309.38	0.00	309.38	2,595.52	636.85	1,969.77	1,730.34	7.68	-1.11	0.185
69.00	-15.92	-4.65	0.00	-304.71	0.00	304.71	2,586.75	633.54	1,949.40	1,715.46	7.91	-1.13	0.184
70.00	-15.76	-4.62	0.00	-300.06	0.00	300.06	2,577.94	630.24	1,929.14	1,700.61	8.15	-1.14	0.183
71.00	-15.61	-4.60	0.00	-295.44	0.00	295.44	2,569.08	626.94	1,908.98	1,685.79	8.39	-1.16	0.181
72.00	-15.46	-4.57	0.00	-290.84	0.00	290.84	2,560.17	623.64	1,888.93	1,671.00	8.64	-1.18	0.180
73.00	-15.31	-4.55	0.00	-286.27	0.00	286.27	2,551.21	620.33	1,868.98	1,656.24	8.89	-1.20	0.179
74.00	-15.17	-4.52	0.00	-281.72	0.00	281.72	2,542.20	617.03	1,849.14	1,641.51	9.14	-1.22	0.178
75.00	-15.02	-4.50	0.00	-277.20	0.00	277.20	2,533.14	613.73	1,829.41	1,626.82	9.40	-1.23	0.176
76.00	-14.87	-4.47	0.00	-272.70	0.00	272.70	2,524.04	610.43	1,809.78	1,612.15	9.66	-1.25	0.175
77.00	-14.72	-4.45	0.00	-268.23	0.00	268.23	2,514.88	607.12	1,790.26	1,597.52	9.92	-1.27	0.174
78.00	-14.58	-4.42	0.00	-263.78	0.00	263.78	2,505.68	603.82	1,770.85	1,582.92	10.19	-1.29	0.173
79.00	-14.43	-4.40	0.00	-259.35	0.00	259.35	2,496.42	600.52	1,751.54	1,568.36	10.46	-1.30	0.171
80.00	-14.10	-3.95	0.00	-254.96	0.00	254.96	2,487.12	597.22	1,732.33	1,553.83	10.74	-1.32	0.170
81.00	-13.96	-3.92	0.00	-251.01	0.00	251.01	2,477.77	593.91	1,713.24	1,539.33	11.01	-1.34	0.169
82.00	-13.82	-3.89	0.00	-247.09	0.00	247.09	2,468.37	590.61	1,694.24	1,524.87	11.30	-1.36	0.168
83.00	-13.68	-3.87	0.00	-243.20	0.00	243.20	2,458.92	587.31	1,675.36	1,510.45	11.58	-1.37	0.167
84.00	-13.53	-3.84	0.00	-239.33	0.00	239.33	2,449.43	584.01	1,656.58	1,496.06	11.87	-1.39	0.166
85.00	-13.39	-3.83	0.00	-235.49	0.00	235.49	2,438.96	580.70	1,637.90	1,481.15	12.16	-1.41	0.165
85.08	-13.38	-3.81	0.00	-235.17	0.00	235.17	2,437.79	580.43	1,636.34	1,479.72	12.19	-1.41	0.164
86.00	-13.17	-3.79	0.00	-231.67	0.00	231.67	2,425.09	577.40	1,619.33	1,464.25	12.46	-1.43	0.164
87.00	-12.93	-3.76	0.00	-227.89	0.00	227.89	2,411.22	574.10	1,600.87	1,447.45	12.76	-1.44	0.163
88.00	-12.70	-3.73	0.00	-224.13	0.00	224.13	2,397.35	570.80	1,582.51	1,430.76	13.07	-1.46	0.162

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:13:13 PM

Customer: AT&T MOBILITY

Load Case: 1.0D + 1.0W

Serviceability 60 mph

41 Iterations

Gust Response Factor :1.10

Dead Load Factor :1.00

Wind Load Factor :1.00

89.00	-12.47	-3.70	0.00	-220.40	0.00	220.40	2,383.48	567.50	1,564.26	1,414.15	13.37	-1.48	0.161
90.00	-12.24	-3.68	0.00	-216.71	0.00	216.71	2,369.61	564.19	1,546.12	1,397.65	13.69	-1.50	0.160
90.00	-12.24	-3.67	0.00	-216.70	0.00	216.70	1,850.32	471.54	1,319.81	1,117.44	13.69	-1.50	0.201
91.00	-12.12	-3.64	0.00	-213.04	0.00	213.04	1,843.97	468.84	1,304.75	1,107.17	14.00	-1.51	0.199
92.00	-12.01	-3.61	0.00	-209.40	0.00	209.40	1,837.56	466.14	1,289.76	1,096.90	14.32	-1.53	0.197
93.00	-11.89	-3.59	0.00	-205.78	0.00	205.78	1,831.11	463.44	1,274.85	1,086.66	14.64	-1.55	0.196
94.00	-11.77	-3.56	0.00	-202.20	0.00	202.20	1,824.61	460.74	1,260.03	1,076.42	14.97	-1.57	0.194
95.00	-11.65	-3.53	0.00	-198.64	0.00	198.64	1,818.06	458.04	1,245.30	1,066.21	15.30	-1.60	0.193
96.00	-11.54	-3.51	0.00	-195.10	0.00	195.10	1,811.46	455.33	1,230.66	1,056.01	15.64	-1.62	0.191
97.00	-11.42	-3.48	0.00	-191.59	0.00	191.59	1,804.81	452.63	1,216.10	1,045.83	15.98	-1.64	0.190
98.00	-11.31	-3.45	0.00	-188.11	0.00	188.11	1,798.11	449.93	1,201.63	1,035.67	16.32	-1.66	0.188
99.00	-11.19	-3.43	0.00	-184.66	0.00	184.66	1,791.36	447.23	1,187.25	1,025.53	16.67	-1.68	0.186
100.00	-10.97	-3.36	0.00	-181.21	0.00	181.21	1,784.57	444.53	1,172.95	1,015.40	17.03	-1.70	0.185
101.00	-10.85	-3.33	0.00	-177.85	0.00	177.85	1,777.72	441.82	1,158.74	1,005.30	17.38	-1.72	0.183
102.00	-10.74	-3.31	0.00	-174.52	0.00	174.52	1,770.83	439.12	1,144.62	995.22	17.75	-1.74	0.181
103.00	-10.63	-3.28	0.00	-171.21	0.00	171.21	1,763.89	436.42	1,130.58	985.15	18.11	-1.76	0.180
104.00	-10.52	-3.25	0.00	-167.93	0.00	167.93	1,756.90	433.72	1,116.63	975.11	18.48	-1.78	0.178
105.00	-10.41	-3.23	0.00	-164.68	0.00	164.68	1,749.86	431.02	1,102.76	965.09	18.86	-1.80	0.177
106.00	-10.30	-3.20	0.00	-161.45	0.00	161.45	1,742.77	428.32	1,088.99	955.09	19.24	-1.82	0.175
107.00	-10.18	-3.17	0.00	-158.25	0.00	158.25	1,735.63	425.61	1,075.29	945.12	19.62	-1.84	0.173
108.00	-10.07	-3.15	0.00	-155.08	0.00	155.08	1,728.44	422.91	1,061.69	935.17	20.00	-1.86	0.172
109.00	-9.97	-3.12	0.00	-151.93	0.00	151.93	1,721.20	420.21	1,048.17	925.24	20.40	-1.88	0.170
110.00	-9.64	-2.99	0.00	-148.81	0.00	148.81	1,713.92	417.51	1,034.74	915.34	20.79	-1.90	0.168
111.00	-9.53	-2.97	0.00	-145.82	0.00	145.82	1,706.58	414.81	1,021.40	905.46	21.19	-1.92	0.167
112.00	-9.43	-2.94	0.00	-142.85	0.00	142.85	1,699.20	412.10	1,008.14	895.61	21.59	-1.94	0.165
113.00	-9.31	-2.90	0.00	-139.91	0.00	139.91	1,691.77	409.40	994.97	885.78	22.00	-1.96	0.164
114.00	-9.20	-2.87	0.00	-137.01	0.00	137.01	1,684.29	406.70	981.88	875.98	22.41	-1.98	0.162
115.00	-9.10	-2.85	0.00	-134.14	0.00	134.14	1,676.76	404.00	968.88	866.21	22.83	-2.00	0.160
116.00	-8.99	-2.82	0.00	-131.29	0.00	131.29	1,669.18	401.30	955.97	856.46	23.25	-2.02	0.159
117.00	-8.89	-2.80	0.00	-128.47	0.00	128.47	1,661.55	398.59	943.15	846.75	23.68	-2.04	0.157
118.00	-8.78	-2.77	0.00	-125.67	0.00	125.67	1,653.87	395.89	930.41	837.06	24.10	-2.06	0.155
119.00	-8.68	-2.75	0.00	-122.90	0.00	122.90	1,646.15	393.19	917.76	827.40	24.54	-2.08	0.154
120.00	-8.58	-2.72	0.00	-120.15	0.00	120.15	1,638.37	390.49	905.19	817.77	24.97	-2.10	0.152
121.00	-8.47	-2.70	0.00	-117.43	0.00	117.43	1,628.70	387.79	892.71	807.25	25.42	-2.12	0.151
122.00	-8.37	-2.67	0.00	-114.74	0.00	114.74	1,617.35	385.08	880.32	795.98	25.86	-2.14	0.149
123.00	-8.27	-2.65	0.00	-112.07	0.00	112.07	1,606.00	382.38	868.02	784.78	26.31	-2.16	0.148
124.00	-8.17	-2.62	0.00	-109.42	0.00	109.42	1,594.66	379.68	855.80	773.67	26.76	-2.18	0.147
124.99	-8.07	-2.61	0.00	-106.81	0.00	106.81	1,583.38	376.99	843.74	762.70	27.22	-2.19	0.145
124.99	-8.07	-2.61	0.00	-106.81	0.00	106.81	1,139.37	293.99	659.58	551.72	27.22	-2.19	0.201
125.00	-8.07	-2.60	0.00	-106.80	0.00	106.80	1,139.34	293.98	659.53	551.68	27.22	-2.19	0.201
126.00	-7.99	-2.57	0.00	-104.20	0.00	104.20	1,134.60	291.88	650.13	545.42	27.68	-2.22	0.198
127.00	-7.90	-2.55	0.00	-101.63	0.00	101.63	1,129.80	289.77	640.81	539.17	28.15	-2.24	0.196
128.00	-7.82	-2.53	0.00	-99.07	0.00	99.07	1,124.96	287.67	631.55	532.93	28.62	-2.27	0.193
129.00	-7.74	-2.51	0.00	-96.55	0.00	96.55	1,120.07	285.57	622.36	526.70	29.10	-2.29	0.190
130.00	-7.65	-2.48	0.00	-94.04	0.00	94.04	1,115.13	283.47	613.24	520.48	29.58	-2.32	0.188
131.00	-7.57	-2.46	0.00	-91.56	0.00	91.56	1,110.14	281.37	604.18	514.28	30.07	-2.34	0.185
132.00	-7.49	-2.44	0.00	-89.10	0.00	89.10	1,105.10	279.27	595.19	508.08	30.57	-2.37	0.182
133.00	-7.41	-2.42	0.00	-86.66	0.00	86.66	1,100.01	277.17	586.27	501.90	31.06	-2.39	0.179
134.00	-7.33	-2.39	0.00	-84.24	0.00	84.24	1,094.88	275.06	577.42	495.73	31.57	-2.41	0.177

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:13:13 PM

Customer: AT&T MOBILITY

Load Case: 1.0D + 1.0W

Serviceability 60 mph

41 Iterations

Gust Response Factor :1.10

Dead Load Factor :1.00

Wind Load Factor :1.00

135.00	-7.25	-2.37	0.00	-81.85	0.00	81.85	1,089.69	272.96	568.63	489.58	32.07	-2.44	0.174
136.00	-7.17	-2.35	0.00	-79.48	0.00	79.48	1,084.45	270.86	559.91	483.44	32.59	-2.46	0.171
137.00	-7.09	-2.33	0.00	-77.13	0.00	77.13	1,079.17	268.76	551.26	477.31	33.11	-2.49	0.168
138.00	-7.01	-2.31	0.00	-74.80	0.00	74.80	1,073.84	266.66	542.68	471.20	33.63	-2.51	0.165
139.00	-6.93	-2.28	0.00	-72.50	0.00	72.50	1,068.46	264.56	534.16	465.11	34.16	-2.53	0.162
140.00	-6.86	-2.26	0.00	-70.21	0.00	70.21	1,063.03	262.46	525.71	459.03	34.69	-2.56	0.159
141.00	-6.78	-2.24	0.00	-67.95	0.00	67.95	1,057.55	260.35	517.33	452.97	35.23	-2.58	0.156
142.00	-6.70	-2.22	0.00	-65.71	0.00	65.71	1,052.02	258.25	509.01	446.93	35.77	-2.60	0.153
143.00	-6.56	-2.10	0.00	-63.49	0.00	63.49	1,046.44	256.15	500.77	440.91	36.32	-2.62	0.150
144.00	-6.44	-2.03	0.00	-61.38	0.00	61.38	1,040.82	254.05	492.59	434.90	36.87	-2.65	0.147
145.00	-6.37	-2.01	0.00	-59.35	0.00	59.35	1,035.14	251.95	484.47	428.91	37.42	-2.67	0.145
146.00	-6.30	-1.99	0.00	-57.34	0.00	57.34	1,029.42	249.85	476.43	422.95	37.98	-2.69	0.142
147.00	-6.22	-1.97	0.00	-55.35	0.00	55.35	1,023.64	247.74	468.45	417.00	38.55	-2.71	0.139
148.00	-6.16	-1.96	0.00	-53.38	0.00	53.38	1,017.82	245.64	460.54	411.07	39.12	-2.73	0.136
149.00	-6.09	-1.94	0.00	-51.42	0.00	51.42	1,011.95	243.54	452.70	405.17	39.69	-2.75	0.133
150.00	-5.79	-1.86	0.00	-49.49	0.00	49.49	1,006.03	241.44	444.92	399.28	40.27	-2.77	0.130
151.00	-5.73	-1.84	0.00	-47.63	0.00	47.63	1,000.06	239.34	437.21	393.42	40.86	-2.79	0.127
152.00	-5.66	-1.82	0.00	-45.79	0.00	45.79	994.04	237.24	429.57	387.58	41.44	-2.82	0.124
153.00	-5.59	-1.80	0.00	-43.97	0.00	43.97	987.57	235.14	422.00	381.61	42.04	-2.84	0.121
154.00	-5.52	-1.78	0.00	-42.17	0.00	42.17	978.74	233.03	414.49	374.78	42.63	-2.86	0.118
155.00	-5.46	-1.76	0.00	-40.39	0.00	40.39	969.92	230.93	407.05	368.01	43.23	-2.87	0.115
156.00	-5.37	-1.72	0.00	-38.63	0.00	38.63	961.09	228.83	399.68	361.31	43.83	-2.89	0.113
157.00	-5.28	-1.66	0.00	-36.90	0.00	36.90	952.26	226.73	392.37	354.66	44.44	-2.91	0.110
158.00	-5.21	-1.64	0.00	-35.24	0.00	35.24	943.44	224.63	385.14	348.08	45.05	-2.93	0.107
159.00	-5.15	-1.63	0.00	-33.60	0.00	33.60	934.61	222.53	377.97	341.56	45.67	-2.95	0.104
160.00	-5.09	-1.61	0.00	-31.97	0.00	31.97	925.79	220.43	370.87	335.10	46.29	-2.97	0.101
161.00	-5.02	-1.60	0.00	-30.36	0.00	30.36	916.96	218.32	363.83	328.70	46.91	-2.98	0.098
162.00	-4.96	-1.58	0.00	-28.76	0.00	28.76	908.13	216.22	356.86	322.37	47.54	-3.00	0.095
163.00	-4.90	-1.57	0.00	-27.18	0.00	27.18	899.31	214.12	349.96	316.09	48.17	-3.02	0.091
164.00	-4.84	-1.55	0.00	-25.61	0.00	25.61	890.48	212.02	343.13	309.88	48.80	-3.03	0.088
165.00	-4.78	-1.54	0.00	-24.06	0.00	24.06	881.65	209.92	336.36	303.73	49.44	-3.05	0.085
166.00	-4.72	-1.52	0.00	-22.53	0.00	22.53	872.83	207.82	329.67	297.64	50.08	-3.06	0.081
167.00	-4.66	-1.50	0.00	-21.01	0.00	21.01	864.00	205.71	323.04	291.61	50.72	-3.08	0.077
168.00	-4.60	-1.49	0.00	-19.50	0.00	19.50	855.17	203.61	316.47	285.65	51.37	-3.09	0.074
169.00	-4.54	-1.47	0.00	-18.01	0.00	18.01	846.35	201.51	309.98	279.74	52.02	-3.11	0.070
170.00	-4.41	-1.36	0.00	-16.35	0.00	16.35	837.52	199.41	303.55	273.90	52.67	-3.12	0.065
171.00	-4.35	-1.34	0.00	-14.99	0.00	14.99	828.70	197.31	297.19	268.12	53.32	-3.13	0.061
172.00	-4.30	-1.33	0.00	-13.65	0.00	13.65	819.87	195.21	290.89	262.40	53.98	-3.14	0.057
173.00	-4.25	-1.32	0.00	-12.32	0.00	12.32	811.04	193.11	284.67	256.74	54.64	-3.15	0.053
174.00	-4.20	-1.30	0.00	-11.00	0.00	11.00	802.22	191.00	278.51	251.15	55.30	-3.16	0.049
175.00	-4.14	-1.29	0.00	-9.70	0.00	9.70	793.39	188.90	272.41	245.61	55.96	-3.17	0.045
176.00	-4.09	-1.27	0.00	-8.42	0.00	8.42	784.56	186.80	266.39	240.14	56.63	-3.18	0.040
177.00	-4.00	-1.22	0.00	-7.14	0.00	7.14	775.74	184.70	260.43	234.73	57.29	-3.19	0.036
178.00	-3.95	-1.21	0.00	-5.92	0.00	5.92	766.91	182.60	254.54	229.38	57.96	-3.19	0.031
179.00	-3.90	-1.19	0.00	-4.72	0.00	4.72	758.08	180.50	248.72	224.09	58.63	-3.20	0.026
180.00	0.00	-0.97	0.00	-3.52	0.00	3.52	749.26	178.39	242.97	218.87	59.30	-3.20	0.016

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:13:13 PM

Customer: AT&T MOBILITY

Equivalent Lateral Forces Method Analysis

Spectral Response Acceleration for Short Period (S_s):	0.19
Spectral Response Acceleration at 1.0 Second Period (S_1):	0.06
Long-Period Transition Period (T_L):	6
Importance Factor (I_E):	1.00
Site Coefficient F_a :	1.60
Site Coefficient F_v :	2.40
Response Modification Coefficient (R):	1.50
Design Spectral Response Acceleration at Short Period (S_{ds}):	0.20
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):	3.74
Redundancy Factor (p):	1.00
Seismic Force Distribution Exponent (k):	2.00
Total Unfactored Dead Load:	29.22 k
Seismic Base Shear (E):	0.88 k

Load Case 1.2D + 1.0Ev + 1.0Eh

Seismic

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
185	179.50	50	1,598	0.005	4	62
184	178.50	50	1,593	0.005	4	62
183	177.50	50	1,588	0.005	4	63
182	176.50	51	1,601	0.005	4	64
181	175.50	52	1,596	0.005	4	64
180	174.50	52	1,590	0.005	4	65
179	173.50	53	1,584	0.005	4	65
178	172.50	53	1,578	0.005	4	66
177	171.50	53	1,572	0.005	4	66
176	170.50	54	1,565	0.005	4	67
175	169.50	59	1,700	0.005	5	73
174	168.50	60	1,692	0.005	5	74
173	167.50	60	1,683	0.005	5	74
172	166.50	60	1,674	0.005	5	75
171	165.50	61	1,666	0.005	5	75
170	164.50	61	1,656	0.005	5	76
169	163.50	62	1,647	0.005	5	76
168	162.50	62	1,638	0.005	5	77
167	161.50	62	1,629	0.005	5	77
166	160.50	63	1,619	0.005	4	78
165	159.50	63	1,609	0.005	4	78
164	158.50	64	1,599	0.005	4	79
163	157.50	64	1,589	0.005	4	79
162	156.50	65	1,599	0.005	4	81
161	155.50	67	1,609	0.005	4	83

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:13:13 PM

Customer: AT&T MOBILITY

160	154.50	67	1,598	0.005	4	83
159	153.50	67	1,587	0.005	4	84
158	152.50	68	1,575	0.005	4	84
157	151.50	68	1,564	0.005	4	85
156	150.50	69	1,553	0.005	4	85
155	149.50	69	1,545	0.005	4	86
154	148.50	70	1,533	0.005	4	86
153	147.50	70	1,521	0.005	4	87
152	146.50	70	1,510	0.005	4	87
151	145.50	71	1,498	0.005	4	88
150	144.50	71	1,486	0.005	4	88
149	143.50	73	1,507	0.005	4	91
148	142.50	77	1,561	0.005	4	95
147	141.50	77	1,548	0.005	4	96
146	140.50	78	1,534	0.005	4	96
145	139.50	78	1,520	0.005	4	97
144	138.50	79	1,506	0.005	4	97
143	137.50	79	1,492	0.005	4	98
142	136.50	79	1,478	0.005	4	98
141	135.50	80	1,464	0.005	4	99
140	134.50	80	1,450	0.005	4	99
139	133.50	81	1,436	0.005	4	100
138	132.50	81	1,421	0.005	4	100
137	131.50	81	1,407	0.004	4	101
136	130.50	82	1,393	0.004	4	101
135	129.50	82	1,378	0.004	4	102
134	128.50	83	1,364	0.004	4	102
133	127.50	83	1,349	0.004	4	103
132	126.50	83	1,335	0.004	4	103
131	125.50	84	1,320	0.004	4	104
130	125.00	0	8	0.000	0	1
129	124.50	100	1,547	0.005	4	124
128	123.50	101	1,539	0.005	4	125
127	122.50	101	1,522	0.005	4	126
126	121.50	102	1,505	0.005	4	126
125	120.50	102	1,488	0.005	4	127
124	119.50	103	1,471	0.005	4	128
123	118.50	104	1,454	0.005	4	128
122	117.50	104	1,436	0.005	4	129
121	116.50	105	1,419	0.004	4	130
120	115.50	105	1,402	0.004	4	130
119	114.50	106	1,385	0.004	4	131
118	113.50	106	1,367	0.004	4	132
117	112.50	107	1,352	0.004	4	133
116	111.50	107	1,334	0.004	4	133
115	110.50	108	1,317	0.004	4	134
114	109.50	109	1,301	0.004	4	135
113	108.50	109	1,284	0.004	4	135
112	107.50	110	1,266	0.004	4	136
111	106.50	110	1,249	0.004	3	137
110	105.50	111	1,231	0.004	3	137
109	104.50	111	1,214	0.004	3	138
108	103.50	112	1,196	0.004	3	139
107	102.50	112	1,179	0.004	3	139
106	101.50	113	1,161	0.004	3	140
105	100.50	113	1,144	0.004	3	140
104	99.50	114	1,128	0.004	3	141
103	98.50	114	1,110	0.004	3	142
102	97.50	115	1,093	0.003	3	143
101	96.50	115	1,076	0.003	3	143
100	95.50	116	1,058	0.003	3	144
99	94.50	117	1,041	0.003	3	145
98	93.50	117	1,023	0.003	3	145
97	92.50	118	1,006	0.003	3	146

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:13:13 PM

Customer: AT&T MOBILITY

96	91.50	118	989	0.003	3	147
95	90.50	119	971	0.003	3	147
94	90.00	0	1	0.000	0	0
93	89.50	229	1,833	0.006	5	284
92	88.50	230	1,802	0.006	5	285
91	87.50	231	1,770	0.006	5	287
90	86.50	232	1,739	0.006	5	288
89	85.54	214	1,565	0.005	4	265
88	85.04	12	85	0.000	0	15
87	84.50	140	1,002	0.003	3	174
86	83.50	141	983	0.003	3	175
85	82.50	142	964	0.003	3	176
84	81.50	142	945	0.003	3	177
83	80.50	143	926	0.003	3	177
82	79.50	144	910	0.003	3	179
81	78.50	145	891	0.003	2	179
80	77.50	145	872	0.003	2	180
79	76.50	146	853	0.003	2	181
78	75.50	146	835	0.003	2	182
77	74.50	147	817	0.003	2	183
76	73.50	148	798	0.003	2	183
75	72.50	148	780	0.002	2	184
74	71.50	149	762	0.002	2	185
73	70.50	150	744	0.002	2	186
72	69.50	150	726	0.002	2	186
71	68.50	151	708	0.002	2	187
70	67.50	152	691	0.002	2	188
69	66.50	152	673	0.002	2	189
68	65.50	153	656	0.002	2	190
67	64.50	154	639	0.002	2	190
66	63.50	154	622	0.002	2	191
65	62.50	155	605	0.002	2	192
64	61.50	155	588	0.002	2	193
63	60.50	156	571	0.002	2	194
62	59.50	157	555	0.002	2	194
61	58.50	157	539	0.002	1	195
60	57.50	158	522	0.002	1	196
59	56.50	159	506	0.002	1	197
58	55.50	159	491	0.002	1	198
57	54.50	160	475	0.002	1	198
56	53.50	161	460	0.001	1	199
55	52.50	161	444	0.001	1	200
54	51.50	162	429	0.001	1	201
53	50.50	162	414	0.001	1	202
52	49.50	163	400	0.001	1	202
51	48.50	164	385	0.001	1	203
50	47.50	310	701	0.002	2	385
49	46.50	312	674	0.002	2	387
48	45.50	313	648	0.002	2	388
47	44.50	314	623	0.002	2	390
46	43.50	316	598	0.002	2	392
45	42.67	211	384	0.001	1	262
44	42.17	59	106	0.000	0	74
43	41.50	178	307	0.001	1	221
42	40.50	179	293	0.001	1	222
41	39.50	179	280	0.001	1	223
40	38.50	180	267	0.001	1	223
39	37.50	181	254	0.001	1	224
38	36.50	182	242	0.001	1	225
37	35.50	182	230	0.001	1	226
36	34.50	183	218	0.001	1	227
35	33.50	184	206	0.001	1	228
34	32.50	184	195	0.001	1	229
33	31.50	185	184	0.001	1	230

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:13:13 PM

Customer: AT&T MOBILITY

32	30.50	186	173	0.001	0	230
31	29.50	186	162	0.001	0	231
30	28.50	187	152	0.000	0	232
29	27.50	188	142	0.000	0	233
28	26.50	189	132	0.000	0	234
27	25.50	189	123	0.000	0	235
26	24.50	190	114	0.000	0	236
25	23.50	191	105	0.000	0	236
24	22.50	191	97	0.000	0	237
23	21.50	192	89	0.000	0	238
22	20.50	193	81	0.000	0	239
21	19.50	193	74	0.000	0	240
20	18.50	194	66	0.000	0	241
19	17.50	195	60	0.000	0	242
18	16.50	196	53	0.000	0	243
17	15.50	196	47	0.000	0	243
16	14.50	197	41	0.000	0	244
15	13.50	198	36	0.000	0	245
14	12.50	198	31	0.000	0	246
13	11.50	199	26	0.000	0	247
12	10.50	200	22	0.000	0	248
11	9.50	200	18	0.000	0	249
10	8.50	201	15	0.000	0	249
9	7.50	202	11	0.000	0	250
8	6.50	203	9	0.000	0	251
7	5.50	203	6	0.000	0	252
6	4.50	204	4	0.000	0	253
5	3.97	12	0	0.000	0	15
4	3.47	192	2	0.000	0	239
3	2.50	205	1	0.000	0	255
2	1.50	206	0	0.000	0	256
1	0.50	207	0	0.000	0	256
Powerwave Allgon LGP	180.00	85	2,741	0.009	8	105
Raycap DC6-48-60-18-	180.00	64	2,061	0.007	6	79
Generic 6' Omni	180.00	25	810	0.003	2	31
Ericsson RRUS 4449 B	180.00	213	6,901	0.022	19	264
Ericsson RRUS 4478 B	180.00	178	5,774	0.018	16	221
Ericsson RRUS 32 B2	180.00	159	5,152	0.016	14	197
Powerwave Allgon 777	180.00	105	3,402	0.011	9	130
CCI HPA-65R-BUU-H6	180.00	153	4,957	0.016	14	190
CCI DMP65R-BU6DA	180.00	238	7,718	0.024	21	295
CCI OPA65R-BU6D	180.00	190	6,143	0.019	17	235
Generic Round Platfo	180.00	2,500	81,000	0.256	225	3,101
Motorola PTP 800 ODU	177.00	20	633	0.002	2	25
Radio Waves HPD2-4.7	177.00	27	846	0.003	2	33
RFS APXV18-206517S-C	170.00	79	2,289	0.007	6	98
Sinclair SC479-HF1LD	157.00	34	838	0.003	2	42
Scala OGT9-840	156.00	19	450	0.001	1	23
Bird 432-83H-01-T	150.00	25	563	0.002	2	31
Stand-Off	150.00	200	4,500	0.014	12	248
Antel BCD-80609 ____	144.00	53	1,099	0.003	3	66
Sinclair SC479-HF1LD	143.00	34	695	0.002	2	42
Sinclair SC479-HF1LD	143.00	34	695	0.002	2	42
Lone Star Electronic	113.00	11	140	0.000	0	14
Motorola PTP 800 ODU	110.00	20	244	0.001	1	25
Flat Side Arm	110.00	150	1,815	0.006	5	186
Andrew VHLP2.6	110.00	48	581	0.002	2	60
Bird FSA-10-67-DIN	100.00	9	90	0.000	0	11
Stand-Off	100.00	100	1,000	0.003	3	124
Generic Radio/ODU	80.00	60	384	0.001	1	74
Andrew Microwaves P6	80.00	134	858	0.003	2	166
		29,225	315,832	1.000	877	36,254

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:13:13 PM

Customer: AT&T MOBILITY

Load Case 0.9D - 1.0Ev + 1.0Eh

Seismic (Reduced DL)

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
185	179.50	50	1,598	0.005	4	43
184	178.50	50	1,593	0.005	4	43
183	177.50	50	1,588	0.005	4	43
182	176.50	51	1,601	0.005	4	44
181	175.50	52	1,596	0.005	4	45
180	174.50	52	1,590	0.005	4	45
179	173.50	53	1,584	0.005	4	45
178	172.50	53	1,578	0.005	4	46
177	171.50	53	1,572	0.005	4	46
176	170.50	54	1,565	0.005	4	46
175	169.50	59	1,700	0.005	5	51
174	168.50	60	1,692	0.005	5	51
173	167.50	60	1,683	0.005	5	52
172	166.50	60	1,674	0.005	5	52
171	165.50	61	1,666	0.005	5	52
170	164.50	61	1,656	0.005	5	53
169	163.50	62	1,647	0.005	5	53
168	162.50	62	1,638	0.005	5	53
167	161.50	62	1,629	0.005	5	54
166	160.50	63	1,619	0.005	4	54
165	159.50	63	1,609	0.005	4	54
164	158.50	64	1,599	0.005	4	55
163	157.50	64	1,589	0.005	4	55
162	156.50	65	1,599	0.005	4	56
161	155.50	67	1,609	0.005	4	57
160	154.50	67	1,598	0.005	4	58
159	153.50	67	1,587	0.005	4	58
158	152.50	68	1,575	0.005	4	58
157	151.50	68	1,564	0.005	4	59
156	150.50	69	1,553	0.005	4	59
155	149.50	69	1,545	0.005	4	59
154	148.50	70	1,533	0.005	4	60
153	147.50	70	1,521	0.005	4	60
152	146.50	70	1,510	0.005	4	60
151	145.50	71	1,498	0.005	4	61
150	144.50	71	1,486	0.005	4	61
149	143.50	73	1,507	0.005	4	63
148	142.50	77	1,561	0.005	4	66
147	141.50	77	1,548	0.005	4	66
146	140.50	78	1,534	0.005	4	67
145	139.50	78	1,520	0.005	4	67
144	138.50	79	1,506	0.005	4	67
143	137.50	79	1,492	0.005	4	68
142	136.50	79	1,478	0.005	4	68
141	135.50	80	1,464	0.005	4	69
140	134.50	80	1,450	0.005	4	69
139	133.50	81	1,436	0.005	4	69
138	132.50	81	1,421	0.005	4	70
137	131.50	81	1,407	0.004	4	70
136	130.50	82	1,393	0.004	4	70
135	129.50	82	1,378	0.004	4	71
134	128.50	83	1,364	0.004	4	71
133	127.50	83	1,349	0.004	4	71
132	126.50	83	1,335	0.004	4	72
131	125.50	84	1,320	0.004	4	72
130	125.00	0	8	0.000	0	0
129	124.50	100	1,547	0.005	4	86

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:13:13 PM

Customer: AT&T MOBILITY

128	123.50	101	1,539	0.005	4	87
127	122.50	101	1,522	0.005	4	87
126	121.50	102	1,505	0.005	4	88
125	120.50	102	1,488	0.005	4	88
124	119.50	103	1,471	0.005	4	89
123	118.50	104	1,454	0.005	4	89
122	117.50	104	1,436	0.005	4	89
121	116.50	105	1,419	0.004	4	90
120	115.50	105	1,402	0.004	4	90
119	114.50	106	1,385	0.004	4	91
118	113.50	106	1,367	0.004	4	91
117	112.50	107	1,352	0.004	4	92
116	111.50	107	1,334	0.004	4	92
115	110.50	108	1,317	0.004	4	93
114	109.50	109	1,301	0.004	4	93
113	108.50	109	1,284	0.004	4	94
112	107.50	110	1,266	0.004	4	94
111	106.50	110	1,249	0.004	3	95
110	105.50	111	1,231	0.004	3	95
109	104.50	111	1,214	0.004	3	96
108	103.50	112	1,196	0.004	3	96
107	102.50	112	1,179	0.004	3	96
106	101.50	113	1,161	0.004	3	97
105	100.50	113	1,144	0.004	3	97
104	99.50	114	1,128	0.004	3	98
103	98.50	114	1,110	0.004	3	98
102	97.50	115	1,093	0.003	3	99
101	96.50	115	1,076	0.003	3	99
100	95.50	116	1,058	0.003	3	100
99	94.50	117	1,041	0.003	3	100
98	93.50	117	1,023	0.003	3	101
97	92.50	118	1,006	0.003	3	101
96	91.50	118	989	0.003	3	102
95	90.50	119	971	0.003	3	102
94	90.00	0	1	0.000	0	0
93	89.50	229	1,833	0.006	5	197
92	88.50	230	1,802	0.006	5	198
91	87.50	231	1,770	0.006	5	199
90	86.50	232	1,739	0.006	5	200
89	85.54	214	1,565	0.005	4	184
88	85.04	12	85	0.000	0	10
87	84.50	140	1,002	0.003	3	121
86	83.50	141	983	0.003	3	121
85	82.50	142	964	0.003	3	122
84	81.50	142	945	0.003	3	122
83	80.50	143	926	0.003	3	123
82	79.50	144	910	0.003	3	124
81	78.50	145	891	0.003	2	124
80	77.50	145	872	0.003	2	125
79	76.50	146	853	0.003	2	125
78	75.50	146	835	0.003	2	126
77	74.50	147	817	0.003	2	126
76	73.50	148	798	0.003	2	127
75	72.50	148	780	0.002	2	128
74	71.50	149	762	0.002	2	128
73	70.50	150	744	0.002	2	129
72	69.50	150	726	0.002	2	129
71	68.50	151	708	0.002	2	130
70	67.50	152	691	0.002	2	130
69	66.50	152	673	0.002	2	131
68	65.50	153	656	0.002	2	131
67	64.50	154	639	0.002	2	132
66	63.50	154	622	0.002	2	132
65	62.50	155	605	0.002	2	133

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:13:14 PM

Customer: AT&T MOBILITY

64	61.50	155	588	0.002	2	134
63	60.50	156	571	0.002	2	134
62	59.50	157	555	0.002	2	135
61	58.50	157	539	0.002	1	135
60	57.50	158	522	0.002	1	136
59	56.50	159	506	0.002	1	136
58	55.50	159	491	0.002	1	137
57	54.50	160	475	0.002	1	137
56	53.50	161	460	0.001	1	138
55	52.50	161	444	0.001	1	139
54	51.50	162	429	0.001	1	139
53	50.50	162	414	0.001	1	140
52	49.50	163	400	0.001	1	140
51	48.50	164	385	0.001	1	141
50	47.50	310	701	0.002	2	267
49	46.50	312	674	0.002	2	268
48	45.50	313	648	0.002	2	269
47	44.50	314	623	0.002	2	270
46	43.50	316	598	0.002	2	271
45	42.67	211	384	0.001	1	181
44	42.17	59	106	0.000	0	51
43	41.50	178	307	0.001	1	153
42	40.50	179	293	0.001	1	154
41	39.50	179	280	0.001	1	154
40	38.50	180	267	0.001	1	155
39	37.50	181	254	0.001	1	155
38	36.50	182	242	0.001	1	156
37	35.50	182	230	0.001	1	157
36	34.50	183	218	0.001	1	157
35	33.50	184	206	0.001	1	158
34	32.50	184	195	0.001	1	158
33	31.50	185	184	0.001	1	159
32	30.50	186	173	0.001	0	160
31	29.50	186	162	0.001	0	160
30	28.50	187	152	0.000	0	161
29	27.50	188	142	0.000	0	161
28	26.50	189	132	0.000	0	162
27	25.50	189	123	0.000	0	163
26	24.50	190	114	0.000	0	163
25	23.50	191	105	0.000	0	164
24	22.50	191	97	0.000	0	164
23	21.50	192	89	0.000	0	165
22	20.50	193	81	0.000	0	166
21	19.50	193	74	0.000	0	166
20	18.50	194	66	0.000	0	167
19	17.50	195	60	0.000	0	167
18	16.50	196	53	0.000	0	168
17	15.50	196	47	0.000	0	169
16	14.50	197	41	0.000	0	169
15	13.50	198	36	0.000	0	170
14	12.50	198	31	0.000	0	170
13	11.50	199	26	0.000	0	171
12	10.50	200	22	0.000	0	172
11	9.50	200	18	0.000	0	172
10	8.50	201	15	0.000	0	173
9	7.50	202	11	0.000	0	173
8	6.50	203	9	0.000	0	174
7	5.50	203	6	0.000	0	175
6	4.50	204	4	0.000	0	175
5	3.97	12	0	0.000	0	11
4	3.47	192	2	0.000	0	165
3	2.50	205	1	0.000	0	176
2	1.50	206	0	0.000	0	177
1	0.50	207	0	0.000	0	178

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:13:14 PM

Customer: AT&T MOBILITY

Powerwave Allgon LGP	180.00	85	2,741	0.009	8	73
Raycap DC6-48-60-18-	180.00	64	2,061	0.007	6	55
Generic 6' Omni	180.00	25	810	0.003	2	21
Ericsson RRUS 4449 B	180.00	213	6,901	0.022	19	183
Ericsson RRUS 4478 B	180.00	178	5,774	0.018	16	153
Ericsson RRUS 32 B2	180.00	159	5,152	0.016	14	137
Powerwave Allgon 777	180.00	105	3,402	0.011	9	90
CCI HPA-65R-BUU-H6	180.00	153	4,957	0.016	14	131
CCI DMP65R-BU6DA	180.00	238	7,718	0.024	21	205
CCI OPA65R-BU6D	180.00	190	6,143	0.019	17	163
Generic Round Platfo	180.00	2,500	81,000	0.256	225	2,149
Motorola PTP 800 ODU	177.00	20	633	0.002	2	17
Radio Waves HPD2-4.7	177.00	27	846	0.003	2	23
RFS APXV18-206517S-C	170.00	79	2,289	0.007	6	68
Sinclair SC479-HF1LD	157.00	34	838	0.003	2	29
Scala OGT9-840	156.00	19	450	0.001	1	16
Bird 432-83H-01-T	150.00	25	563	0.002	2	21
Stand-Off	150.00	200	4,500	0.014	12	172
Antel BCD-80609 ____	144.00	53	1,099	0.003	3	46
Sinclair SC479-HF1LD	143.00	34	695	0.002	2	29
Sinclair SC479-HF1LD	143.00	34	695	0.002	2	29
Lone Star Electronic	113.00	11	140	0.000	0	9
Motorola PTP 800 ODU	110.00	20	244	0.001	1	17
Flat Side Arm	110.00	150	1,815	0.006	5	129
Andrew VHLP2.6	110.00	48	581	0.002	2	41
Bird FSA-10-67-DIN	100.00	9	90	0.000	0	8
Stand-Off	100.00	100	1,000	0.003	3	86
Generic Radio/ODU	80.00	60	384	0.001	1	52
Andrew Microwaves P6	80.00	134	858	0.003	2	115
		29,225	315,832	1.000	877	25,118

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:13:14 PM

Customer: AT&T MOBILITY

Load Case 1.2D + 1.0Ev + 1.0Eh

Seismic

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-36.00	-0.88	0.00	-141.17	0.00	141.17	3,477.38	924.48	3,804.54	3,090.64	0.00	0.00	0.056
1.00	-35.74	-0.88	0.00	-140.29	0.00	140.29	3,470.08	920.88	3,774.95	3,072.04	0.00	0.00	0.056
2.00	-35.49	-0.88	0.00	-139.42	0.00	139.42	3,462.74	917.28	3,745.48	3,053.44	0.00	-0.01	0.056
3.00	-35.25	-0.88	0.00	-138.54	0.00	138.54	3,455.35	913.68	3,716.13	3,034.85	0.00	-0.01	0.056
3.94	-35.23	-0.88	0.00	-137.71	0.00	137.71	3,448.35	910.29	3,688.64	3,017.39	0.01	-0.01	0.056
4.00	-34.98	-0.88	0.00	-137.66	0.00	137.66	3,447.91	910.07	3,686.89	3,016.27	0.01	-0.01	0.056
5.00	-34.73	-0.89	0.00	-136.77	0.00	136.77	3,440.42	906.47	3,657.77	2,997.70	0.01	-0.02	0.056
6.00	-34.48	-0.89	0.00	-135.89	0.00	135.89	3,432.88	902.87	3,628.76	2,979.14	0.01	-0.02	0.056
7.00	-34.23	-0.89	0.00	-135.00	0.00	135.00	3,425.29	899.27	3,599.87	2,960.59	0.02	-0.02	0.056
8.00	-33.98	-0.89	0.00	-134.11	0.00	134.11	3,417.65	895.66	3,571.09	2,942.06	0.02	-0.03	0.056
9.00	-33.73	-0.89	0.00	-133.22	0.00	133.22	3,409.97	892.06	3,542.43	2,923.53	0.03	-0.03	0.055
10.00	-33.48	-0.89	0.00	-132.33	0.00	132.33	3,402.23	888.46	3,513.88	2,905.01	0.03	-0.03	0.055
11.00	-33.23	-0.90	0.00	-131.43	0.00	131.43	3,394.45	884.86	3,485.45	2,886.51	0.04	-0.04	0.055
12.00	-32.99	-0.90	0.00	-130.54	0.00	130.54	3,386.61	881.25	3,457.14	2,868.02	0.05	-0.04	0.055
13.00	-32.74	-0.90	0.00	-129.64	0.00	129.64	3,378.73	877.65	3,428.94	2,849.54	0.06	-0.04	0.055
14.00	-32.50	-0.90	0.00	-128.74	0.00	128.74	3,370.80	874.05	3,400.85	2,831.08	0.07	-0.05	0.055
15.00	-32.25	-0.90	0.00	-127.84	0.00	127.84	3,362.82	870.45	3,372.89	2,812.63	0.08	-0.05	0.055
16.00	-32.01	-0.90	0.00	-126.94	0.00	126.94	3,354.79	866.84	3,345.03	2,794.20	0.09	-0.05	0.055
17.00	-31.77	-0.91	0.00	-126.03	0.00	126.03	3,346.72	863.24	3,317.30	2,775.78	0.10	-0.06	0.055
18.00	-31.53	-0.91	0.00	-125.13	0.00	125.13	3,338.59	859.64	3,289.67	2,757.38	0.11	-0.06	0.055
19.00	-31.29	-0.91	0.00	-124.22	0.00	124.22	3,330.41	856.04	3,262.17	2,738.99	0.12	-0.06	0.055
20.00	-31.05	-0.91	0.00	-123.31	0.00	123.31	3,322.19	852.43	3,234.78	2,720.63	0.14	-0.07	0.055
21.00	-30.81	-0.91	0.00	-122.40	0.00	122.40	3,313.92	848.83	3,207.50	2,702.28	0.15	-0.07	0.055
22.00	-30.57	-0.91	0.00	-121.49	0.00	121.49	3,305.59	845.23	3,180.34	2,683.94	0.16	-0.07	0.055
23.00	-30.34	-0.91	0.00	-120.58	0.00	120.58	3,297.22	841.63	3,153.30	2,665.63	0.18	-0.08	0.054
24.00	-30.10	-0.92	0.00	-119.66	0.00	119.66	3,288.80	838.02	3,126.37	2,647.33	0.20	-0.08	0.054
25.00	-29.87	-0.92	0.00	-118.75	0.00	118.75	3,280.33	834.42	3,099.55	2,629.06	0.21	-0.08	0.054
26.00	-29.63	-0.92	0.00	-117.83	0.00	117.83	3,271.81	830.82	3,072.86	2,610.80	0.23	-0.09	0.054
27.00	-29.40	-0.92	0.00	-116.91	0.00	116.91	3,263.25	827.21	3,046.27	2,592.57	0.25	-0.09	0.054
28.00	-29.17	-0.92	0.00	-116.00	0.00	116.00	3,254.63	823.61	3,019.81	2,574.36	0.27	-0.09	0.054
29.00	-28.94	-0.92	0.00	-115.08	0.00	115.08	3,245.97	820.01	2,993.45	2,556.16	0.29	-0.10	0.054
30.00	-28.71	-0.92	0.00	-114.16	0.00	114.16	3,237.25	816.41	2,967.22	2,537.99	0.31	-0.10	0.054
31.00	-28.48	-0.92	0.00	-113.24	0.00	113.24	3,228.49	812.80	2,941.10	2,519.85	0.33	-0.11	0.054
32.00	-28.25	-0.92	0.00	-112.31	0.00	112.31	3,219.68	809.20	2,915.09	2,501.72	0.36	-0.11	0.054
33.00	-28.02	-0.92	0.00	-111.39	0.00	111.39	3,210.82	805.60	2,889.20	2,483.62	0.38	-0.11	0.054
34.00	-27.79	-0.92	0.00	-110.47	0.00	110.47	3,201.91	802.00	2,863.43	2,465.55	0.40	-0.12	0.053
35.00	-27.57	-0.93	0.00	-109.54	0.00	109.54	3,192.95	798.39	2,837.77	2,447.50	0.43	-0.12	0.053
36.00	-27.34	-0.93	0.00	-108.62	0.00	108.62	3,183.94	794.79	2,812.23	2,429.47	0.45	-0.12	0.053
37.00	-27.12	-0.93	0.00	-107.69	0.00	107.69	3,174.88	791.19	2,786.80	2,411.47	0.48	-0.13	0.053
38.00	-26.89	-0.93	0.00	-106.76	0.00	106.76	3,165.78	787.59	2,761.49	2,393.50	0.51	-0.13	0.053
39.00	-26.67	-0.93	0.00	-105.84	0.00	105.84	3,156.62	783.98	2,736.29	2,375.55	0.53	-0.14	0.053
40.00	-26.45	-0.93	0.00	-104.91	0.00	104.91	3,147.42	780.38	2,711.21	2,357.63	0.56	-0.14	0.053
41.00	-26.23	-0.93	0.00	-103.98	0.00	103.98	3,138.17	776.78	2,686.24	2,339.74	0.59	-0.14	0.053
42.00	-26.15	-0.93	0.00	-103.05	0.00	103.05	3,128.87	773.18	2,661.39	2,321.87	0.62	-0.15	0.053
42.33	-25.89	-0.93	0.00	-102.74	0.00	102.74	3,125.75	771.97	2,653.11	2,315.91	0.63	-0.15	0.053
43.00	-25.50	-0.93	0.00	-102.12	0.00	102.12	3,119.52	769.57	2,636.66	2,304.04	0.65	-0.15	0.052
44.00	-25.11	-0.93	0.00	-101.19	0.00	101.19	3,110.12	765.97	2,612.04	2,286.23	0.69	-0.15	0.052

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:13:14 PM

Customer: AT&T MOBILITY

45.00	-24.72	-0.93	0.00	-100.27	0.00	100.27	3,100.67	762.37	2,587.53	2,268.46	0.72	-0.16	0.052
46.00	-24.34	-0.92	0.00	-99.34	0.00	99.34	3,091.17	758.77	2,563.15	2,250.71	0.75	-0.16	0.052
47.00	-23.95	-0.92	0.00	-98.42	0.00	98.42	3,081.63	755.16	2,538.87	2,233.00	0.79	-0.17	0.052
48.00	-23.75	-0.92	0.00	-97.50	0.00	97.50	2,760.51	702.89	2,399.36	2,033.17	0.82	-0.17	0.057
49.00	-23.54	-0.92	0.00	-96.58	0.00	96.58	2,752.72	699.59	2,376.88	2,017.82	0.86	-0.17	0.056
50.00	-23.34	-0.92	0.00	-95.65	0.00	95.65	2,744.89	696.29	2,354.50	2,002.49	0.90	-0.18	0.056
51.00	-23.14	-0.92	0.00	-94.73	0.00	94.73	2,737.01	692.99	2,332.22	1,987.18	0.93	-0.18	0.056
52.00	-22.94	-0.92	0.00	-93.81	0.00	93.81	2,729.07	689.68	2,310.05	1,971.89	0.97	-0.19	0.056
53.00	-22.74	-0.92	0.00	-92.89	0.00	92.89	2,721.09	686.38	2,287.99	1,956.62	1.01	-0.19	0.056
54.00	-22.54	-0.92	0.00	-91.97	0.00	91.97	2,713.06	683.08	2,266.04	1,941.37	1.05	-0.20	0.056
55.00	-22.35	-0.92	0.00	-91.04	0.00	91.04	2,704.99	679.78	2,244.19	1,926.14	1.09	-0.20	0.056
56.00	-22.15	-0.92	0.00	-90.12	0.00	90.12	2,696.86	676.47	2,222.44	1,910.94	1.14	-0.20	0.055
57.00	-21.95	-0.92	0.00	-89.20	0.00	89.20	2,688.68	673.17	2,200.80	1,895.75	1.18	-0.21	0.055
58.00	-21.76	-0.92	0.00	-88.28	0.00	88.28	2,680.46	669.87	2,179.27	1,880.59	1.22	-0.21	0.055
59.00	-21.56	-0.92	0.00	-87.36	0.00	87.36	2,672.18	666.57	2,157.84	1,865.45	1.27	-0.22	0.055
60.00	-21.37	-0.92	0.00	-86.44	0.00	86.44	2,663.86	663.26	2,136.52	1,850.34	1.31	-0.22	0.055
61.00	-21.18	-0.92	0.00	-85.53	0.00	85.53	2,655.49	659.96	2,115.31	1,835.24	1.36	-0.23	0.055
62.00	-20.99	-0.92	0.00	-84.61	0.00	84.61	2,647.07	656.66	2,094.20	1,820.18	1.41	-0.23	0.054
63.00	-20.79	-0.92	0.00	-83.69	0.00	83.69	2,638.60	653.36	2,073.20	1,805.14	1.46	-0.23	0.054
64.00	-20.60	-0.91	0.00	-82.78	0.00	82.78	2,630.08	650.05	2,052.30	1,790.12	1.51	-0.24	0.054
65.00	-20.41	-0.91	0.00	-81.86	0.00	81.86	2,621.51	646.75	2,031.51	1,775.14	1.56	-0.24	0.054
66.00	-20.23	-0.91	0.00	-80.95	0.00	80.95	2,612.90	643.45	2,010.82	1,760.18	1.61	-0.25	0.054
67.00	-20.04	-0.91	0.00	-80.04	0.00	80.04	2,604.23	640.15	1,990.24	1,745.24	1.66	-0.25	0.054
68.00	-19.85	-0.91	0.00	-79.13	0.00	79.13	2,595.52	636.85	1,969.77	1,730.34	1.71	-0.26	0.053
69.00	-19.66	-0.91	0.00	-78.22	0.00	78.22	2,586.75	633.54	1,949.40	1,715.46	1.77	-0.26	0.053
70.00	-19.48	-0.91	0.00	-77.31	0.00	77.31	2,577.94	630.24	1,929.14	1,700.61	1.82	-0.27	0.053
71.00	-19.29	-0.91	0.00	-76.40	0.00	76.40	2,569.08	626.94	1,908.98	1,685.79	1.88	-0.27	0.053
72.00	-19.11	-0.90	0.00	-75.49	0.00	75.49	2,560.17	623.64	1,888.93	1,671.00	1.94	-0.27	0.053
73.00	-18.92	-0.90	0.00	-74.59	0.00	74.59	2,551.21	620.33	1,868.98	1,656.24	2.00	-0.28	0.052
74.00	-18.74	-0.90	0.00	-73.69	0.00	73.69	2,542.20	617.03	1,849.14	1,641.51	2.05	-0.28	0.052
75.00	-18.56	-0.90	0.00	-72.79	0.00	72.79	2,533.14	613.73	1,829.41	1,626.82	2.11	-0.29	0.052
76.00	-18.38	-0.90	0.00	-71.89	0.00	71.89	2,524.04	610.43	1,809.78	1,612.15	2.18	-0.29	0.052
77.00	-18.20	-0.90	0.00	-70.99	0.00	70.99	2,514.88	607.12	1,790.26	1,597.52	2.24	-0.30	0.052
78.00	-18.02	-0.89	0.00	-70.09	0.00	70.09	2,505.68	603.82	1,770.85	1,582.92	2.30	-0.30	0.051
79.00	-17.84	-0.89	0.00	-69.20	0.00	69.20	2,496.42	600.52	1,751.54	1,568.36	2.36	-0.31	0.051
80.00	-17.42	-0.88	0.00	-68.31	0.00	68.31	2,487.12	597.22	1,732.33	1,553.83	2.43	-0.31	0.051
81.00	-17.25	-0.88	0.00	-67.42	0.00	67.42	2,477.77	593.91	1,713.24	1,539.33	2.49	-0.32	0.051
82.00	-17.07	-0.88	0.00	-66.54	0.00	66.54	2,468.37	590.61	1,694.24	1,524.87	2.56	-0.32	0.051
83.00	-16.90	-0.88	0.00	-65.66	0.00	65.66	2,458.92	587.31	1,675.36	1,510.45	2.63	-0.33	0.050
84.00	-16.72	-0.88	0.00	-64.78	0.00	64.78	2,449.43	584.01	1,656.58	1,496.06	2.70	-0.33	0.050
85.00	-16.71	-0.88	0.00	-63.91	0.00	63.91	2,438.96	580.70	1,637.90	1,481.15	2.77	-0.34	0.050
85.08	-16.44	-0.87	0.00	-63.83	0.00	63.83	2,437.79	580.43	1,636.34	1,479.72	2.77	-0.34	0.050
86.00	-16.15	-0.87	0.00	-63.03	0.00	63.03	2,425.09	577.40	1,619.33	1,464.25	2.84	-0.34	0.050
87.00	-15.87	-0.86	0.00	-62.17	0.00	62.17	2,411.22	574.10	1,600.87	1,447.45	2.91	-0.34	0.050
88.00	-15.58	-0.86	0.00	-61.31	0.00	61.31	2,397.35	570.80	1,582.51	1,430.76	2.98	-0.35	0.049
89.00	-15.30	-0.85	0.00	-60.45	0.00	60.45	2,383.48	567.50	1,564.26	1,414.15	3.06	-0.35	0.049
90.00	-15.30	-0.85	0.00	-59.60	0.00	59.60	2,369.61	564.19	1,546.12	1,397.65	3.13	-0.36	0.049
90.00	-15.15	-0.85	0.00	-59.60	0.00	59.60	1,850.32	471.54	1,319.81	1,117.44	3.13	-0.36	0.062
91.00	-15.00	-0.85	0.00	-58.76	0.00	58.76	1,843.97	468.84	1,304.75	1,107.17	3.21	-0.36	0.061
92.00	-14.86	-0.84	0.00	-57.91	0.00	57.91	1,837.56	466.14	1,289.76	1,096.90	3.28	-0.37	0.061
93.00	-14.71	-0.84	0.00	-57.07	0.00	57.07	1,831.11	463.44	1,274.85	1,086.66	3.36	-0.38	0.061
94.00	-14.57	-0.84	0.00	-56.23	0.00	56.23	1,824.61	460.74	1,260.03	1,076.42	3.44	-0.38	0.060
95.00	-14.42	-0.84	0.00	-55.39	0.00	55.39	1,818.06	458.04	1,245.30	1,066.21	3.52	-0.39	0.060
96.00	-14.28	-0.83	0.00	-54.55	0.00	54.55	1,811.46	455.33	1,230.66	1,056.01	3.60	-0.39	0.060

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:13:14 PM

Customer: AT&T MOBILITY

97.00	-14.14	-0.83	0.00	-53.72	0.00	53.72	1,804.81	452.63	1,216.10	1,045.83	3.69	-0.40	0.059
98.00	-14.00	-0.83	0.00	-52.89	0.00	52.89	1,798.11	449.93	1,201.63	1,035.67	3.77	-0.40	0.059
99.00	-13.85	-0.82	0.00	-52.06	0.00	52.06	1,791.36	447.23	1,187.25	1,025.53	3.86	-0.41	0.059
100.00	-13.58	-0.82	0.00	-51.24	0.00	51.24	1,784.57	444.53	1,172.95	1,015.40	3.94	-0.42	0.058
101.00	-13.44	-0.82	0.00	-50.42	0.00	50.42	1,777.72	441.82	1,158.74	1,005.30	4.03	-0.42	0.058
102.00	-13.30	-0.81	0.00	-49.61	0.00	49.61	1,770.83	439.12	1,144.62	995.22	4.12	-0.43	0.057
103.00	-13.16	-0.81	0.00	-48.79	0.00	48.79	1,763.89	436.42	1,130.58	985.15	4.21	-0.43	0.057
104.00	-13.02	-0.81	0.00	-47.98	0.00	47.98	1,756.90	433.72	1,116.63	975.11	4.30	-0.44	0.057
105.00	-12.89	-0.80	0.00	-47.18	0.00	47.18	1,749.86	431.02	1,102.76	965.09	4.39	-0.44	0.056
106.00	-12.75	-0.80	0.00	-46.37	0.00	46.37	1,742.77	428.32	1,088.99	955.09	4.48	-0.45	0.056
107.00	-12.61	-0.80	0.00	-45.58	0.00	45.58	1,735.63	425.61	1,075.29	945.12	4.58	-0.46	0.055
108.00	-12.48	-0.79	0.00	-44.78	0.00	44.78	1,728.44	422.91	1,061.69	935.17	4.68	-0.46	0.055
109.00	-12.34	-0.79	0.00	-43.99	0.00	43.99	1,721.20	420.21	1,048.17	925.24	4.77	-0.47	0.055
110.00	-11.94	-0.78	0.00	-43.20	0.00	43.20	1,713.92	417.51	1,034.74	915.34	4.87	-0.47	0.054
111.00	-11.81	-0.77	0.00	-42.42	0.00	42.42	1,706.58	414.81	1,021.40	905.46	4.97	-0.48	0.054
112.00	-11.67	-0.77	0.00	-41.65	0.00	41.65	1,699.20	412.10	1,008.14	895.61	5.07	-0.48	0.053
113.00	-11.53	-0.77	0.00	-40.88	0.00	40.88	1,691.77	409.40	994.97	885.78	5.17	-0.49	0.053
114.00	-11.40	-0.76	0.00	-40.11	0.00	40.11	1,684.29	406.70	981.88	875.98	5.28	-0.50	0.053
115.00	-11.27	-0.76	0.00	-39.35	0.00	39.35	1,676.76	404.00	968.88	866.21	5.38	-0.50	0.052
116.00	-11.14	-0.75	0.00	-38.59	0.00	38.59	1,669.18	401.30	955.97	856.46	5.49	-0.51	0.052
117.00	-11.01	-0.75	0.00	-37.84	0.00	37.84	1,661.55	398.59	943.15	846.75	5.59	-0.51	0.051
118.00	-10.88	-0.75	0.00	-37.09	0.00	37.09	1,653.87	395.89	930.41	837.06	5.70	-0.52	0.051
119.00	-10.75	-0.74	0.00	-36.35	0.00	36.35	1,646.15	393.19	917.76	827.40	5.81	-0.53	0.050
120.00	-10.62	-0.74	0.00	-35.60	0.00	35.60	1,638.37	390.49	905.19	817.77	5.92	-0.53	0.050
121.00	-10.50	-0.73	0.00	-34.87	0.00	34.87	1,628.70	387.79	892.71	807.25	6.03	-0.54	0.050
122.00	-10.37	-0.73	0.00	-34.14	0.00	34.14	1,617.35	385.08	880.32	795.98	6.15	-0.54	0.049
123.00	-10.25	-0.72	0.00	-33.41	0.00	33.41	1,606.00	382.38	868.02	784.78	6.26	-0.55	0.049
124.00	-10.12	-0.72	0.00	-32.68	0.00	32.68	1,594.66	379.68	855.80	773.67	6.38	-0.55	0.049
124.99	-10.12	-0.72	0.00	-31.97	0.00	31.97	1,583.38	376.99	843.74	762.70	6.49	-0.56	0.048
124.99	-10.12	-0.72	0.00	-31.97	0.00	31.97	1,139.37	293.99	659.58	551.72	6.49	-0.56	0.067
125.00	-10.02	-0.72	0.00	-31.96	0.00	31.96	1,139.34	293.98	659.53	551.68	6.49	-0.56	0.067
126.00	-9.91	-0.71	0.00	-31.25	0.00	31.25	1,134.60	291.88	650.13	545.42	6.61	-0.57	0.066
127.00	-9.81	-0.71	0.00	-30.53	0.00	30.53	1,129.80	289.77	640.81	539.17	6.73	-0.58	0.065
128.00	-9.71	-0.71	0.00	-29.83	0.00	29.83	1,124.96	287.67	631.55	532.93	6.85	-0.58	0.065
129.00	-9.61	-0.70	0.00	-29.12	0.00	29.12	1,120.07	285.57	622.36	526.70	6.98	-0.59	0.064
130.00	-9.51	-0.70	0.00	-28.42	0.00	28.42	1,115.13	283.47	613.24	520.48	7.10	-0.60	0.063
131.00	-9.40	-0.69	0.00	-27.72	0.00	27.72	1,110.14	281.37	604.18	514.28	7.23	-0.60	0.062
132.00	-9.30	-0.69	0.00	-27.03	0.00	27.03	1,105.10	279.27	595.19	508.08	7.35	-0.61	0.062
133.00	-9.20	-0.69	0.00	-26.33	0.00	26.33	1,100.01	277.17	586.27	501.90	7.48	-0.62	0.061
134.00	-9.10	-0.68	0.00	-25.65	0.00	25.65	1,094.88	275.06	577.42	495.73	7.61	-0.63	0.060
135.00	-9.01	-0.68	0.00	-24.96	0.00	24.96	1,089.69	272.96	568.63	489.58	7.75	-0.63	0.059
136.00	-8.91	-0.67	0.00	-24.29	0.00	24.29	1,084.45	270.86	559.91	483.44	7.88	-0.64	0.058
137.00	-8.81	-0.67	0.00	-23.61	0.00	23.61	1,079.17	268.76	551.26	477.31	8.01	-0.65	0.058
138.00	-8.71	-0.67	0.00	-22.94	0.00	22.94	1,073.84	266.66	542.68	471.20	8.15	-0.66	0.057
139.00	-8.61	-0.66	0.00	-22.27	0.00	22.27	1,068.46	264.56	534.16	465.11	8.29	-0.66	0.056
140.00	-8.52	-0.66	0.00	-21.61	0.00	21.61	1,063.03	262.46	525.71	459.03	8.43	-0.67	0.055
141.00	-8.42	-0.65	0.00	-20.95	0.00	20.95	1,057.55	260.35	517.33	452.97	8.57	-0.68	0.054
142.00	-8.33	-0.65	0.00	-20.30	0.00	20.30	1,052.02	258.25	509.01	446.93	8.71	-0.68	0.053
143.00	-8.15	-0.64	0.00	-19.65	0.00	19.65	1,046.44	256.15	500.77	440.91	8.86	-0.69	0.052
144.00	-8.00	-0.63	0.00	-19.01	0.00	19.01	1,040.82	254.05	492.59	434.90	9.00	-0.70	0.051
145.00	-7.91	-0.63	0.00	-18.38	0.00	18.38	1,035.14	251.95	484.47	428.91	9.15	-0.70	0.050
146.00	-7.82	-0.62	0.00	-17.75	0.00	17.75	1,029.42	249.85	476.43	422.95	9.30	-0.71	0.050
147.00	-7.74	-0.62	0.00	-17.13	0.00	17.13	1,023.64	247.74	468.45	417.00	9.45	-0.72	0.049
148.00	-7.65	-0.61	0.00	-16.51	0.00	16.51	1,017.82	245.64	460.54	411.07	9.60	-0.72	0.048

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:13:14 PM

Customer: AT&T MOBILITY

149.00	-7.56	-0.61	0.00	-15.89	0.00	15.89	1,011.95	243.54	452.70	405.17	9.75	-0.73	0.047
150.00	-7.20	-0.59	0.00	-15.28	0.00	15.28	1,006.03	241.44	444.92	399.28	9.90	-0.74	0.045
151.00	-7.12	-0.58	0.00	-14.70	0.00	14.70	1,000.06	239.34	437.21	393.42	10.06	-0.74	0.044
152.00	-7.03	-0.58	0.00	-14.11	0.00	14.11	994.04	237.24	429.57	387.58	10.22	-0.75	0.043
153.00	-6.95	-0.57	0.00	-13.53	0.00	13.53	987.57	235.14	422.00	381.61	10.37	-0.76	0.043
154.00	-6.86	-0.57	0.00	-12.96	0.00	12.96	978.74	233.03	414.49	374.78	10.53	-0.76	0.042
155.00	-6.78	-0.56	0.00	-12.39	0.00	12.39	969.92	230.93	407.05	368.01	10.69	-0.77	0.041
156.00	-6.68	-0.56	0.00	-11.83	0.00	11.83	961.09	228.83	399.68	361.31	10.85	-0.77	0.040
157.00	-6.56	-0.55	0.00	-11.27	0.00	11.27	952.26	226.73	392.37	354.66	11.02	-0.78	0.039
158.00	-6.48	-0.55	0.00	-10.72	0.00	10.72	943.44	224.63	385.14	348.08	11.18	-0.79	0.038
159.00	-6.40	-0.54	0.00	-10.17	0.00	10.17	934.61	222.53	377.97	341.56	11.35	-0.79	0.037
160.00	-6.32	-0.54	0.00	-9.63	0.00	9.63	925.79	220.43	370.87	335.10	11.51	-0.80	0.036
161.00	-6.24	-0.53	0.00	-9.10	0.00	9.10	916.96	218.32	363.83	328.70	11.68	-0.80	0.034
162.00	-6.17	-0.53	0.00	-8.57	0.00	8.57	908.13	216.22	356.86	322.37	11.85	-0.81	0.033
163.00	-6.09	-0.52	0.00	-8.04	0.00	8.04	899.31	214.12	349.96	316.09	12.02	-0.81	0.032
164.00	-6.01	-0.52	0.00	-7.52	0.00	7.52	890.48	212.02	343.13	309.88	12.19	-0.82	0.031
165.00	-5.94	-0.51	0.00	-7.01	0.00	7.01	881.65	209.92	336.36	303.73	12.36	-0.82	0.030
166.00	-5.86	-0.50	0.00	-6.50	0.00	6.50	872.83	207.82	329.67	297.64	12.53	-0.83	0.029
167.00	-5.79	-0.50	0.00	-5.99	0.00	5.99	864.00	205.71	323.04	291.61	12.71	-0.83	0.027
168.00	-5.72	-0.49	0.00	-5.49	0.00	5.49	855.17	203.61	316.47	285.65	12.88	-0.83	0.026
169.00	-5.64	-0.49	0.00	-5.00	0.00	5.00	846.35	201.51	309.98	279.74	13.06	-0.84	0.025
170.00	-5.48	-0.48	0.00	-4.51	0.00	4.51	837.52	199.41	303.55	273.90	13.23	-0.84	0.023
171.00	-5.41	-0.47	0.00	-4.04	0.00	4.04	828.70	197.31	297.19	268.12	13.41	-0.84	0.022
172.00	-5.35	-0.47	0.00	-3.57	0.00	3.57	819.87	195.21	290.89	262.40	13.58	-0.85	0.020
173.00	-5.28	-0.46	0.00	-3.10	0.00	3.10	811.04	193.11	284.67	256.74	13.76	-0.85	0.019
174.00	-5.22	-0.46	0.00	-2.64	0.00	2.64	802.22	191.00	278.51	251.15	13.94	-0.85	0.017
175.00	-5.15	-0.45	0.00	-2.18	0.00	2.18	793.39	188.90	272.41	245.61	14.12	-0.85	0.015
176.00	-5.09	-0.45	0.00	-1.73	0.00	1.73	784.56	186.80	266.39	240.14	14.30	-0.86	0.014
177.00	-4.97	-0.43	0.00	-1.29	0.00	1.29	775.74	184.70	260.43	234.73	14.48	-0.86	0.012
178.00	-4.91	-0.43	0.00	-0.85	0.00	0.85	766.91	182.60	254.54	229.38	14.66	-0.86	0.010
179.00	-4.84	-0.42	0.00	-0.42	0.00	0.42	758.08	180.50	248.72	224.09	14.84	-0.86	0.008
180.00	0.00	-0.35	0.00	0.00	0.00	0.00	749.26	178.39	242.97	218.87	15.02	-0.86	0.000

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:13:14 PM

Customer: AT&T MOBILITY

Load Case 0.9D - 1.0Ev + 1.0Eh

Seismic (Reduced DL)

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-24.94	-0.87	0.00	-136.30	0.00	136.30	3,477.38	924.48	3,804.54	3,090.64	0.00	0.00	0.051
1.00	-24.76	-0.88	0.00	-135.42	0.00	135.42	3,470.08	920.88	3,774.95	3,072.04	0.00	0.00	0.051
2.00	-24.59	-0.88	0.00	-134.55	0.00	134.55	3,462.74	917.28	3,745.48	3,053.44	0.00	-0.01	0.051
3.00	-24.42	-0.88	0.00	-133.67	0.00	133.67	3,455.35	913.68	3,716.13	3,034.85	0.00	-0.01	0.051
3.94	-24.41	-0.88	0.00	-132.84	0.00	132.84	3,448.35	910.29	3,688.64	3,017.39	0.00	-0.01	0.051
4.00	-24.24	-0.88	0.00	-132.79	0.00	132.79	3,447.91	910.07	3,686.89	3,016.27	0.01	-0.01	0.051
5.00	-24.06	-0.88	0.00	-131.91	0.00	131.91	3,440.42	906.47	3,657.77	2,997.70	0.01	-0.02	0.051
6.00	-23.89	-0.88	0.00	-131.03	0.00	131.03	3,432.88	902.87	3,628.76	2,979.14	0.01	-0.02	0.051
7.00	-23.71	-0.88	0.00	-130.15	0.00	130.15	3,425.29	899.27	3,599.87	2,960.59	0.02	-0.02	0.051
8.00	-23.54	-0.88	0.00	-129.27	0.00	129.27	3,417.65	895.66	3,571.09	2,942.06	0.02	-0.02	0.051
9.00	-23.37	-0.89	0.00	-128.38	0.00	128.38	3,409.97	892.06	3,542.43	2,923.53	0.03	-0.03	0.051
10.00	-23.20	-0.89	0.00	-127.49	0.00	127.49	3,402.23	888.46	3,513.88	2,905.01	0.03	-0.03	0.051
11.00	-23.02	-0.89	0.00	-126.61	0.00	126.61	3,394.45	884.86	3,485.45	2,886.51	0.04	-0.03	0.051
12.00	-22.85	-0.89	0.00	-125.72	0.00	125.72	3,386.61	881.25	3,457.14	2,868.02	0.05	-0.04	0.051
13.00	-22.68	-0.89	0.00	-124.83	0.00	124.83	3,378.73	877.65	3,428.94	2,849.54	0.05	-0.04	0.051
14.00	-22.52	-0.89	0.00	-123.94	0.00	123.94	3,370.80	874.05	3,400.85	2,831.08	0.06	-0.04	0.050
15.00	-22.35	-0.89	0.00	-123.05	0.00	123.05	3,362.82	870.45	3,372.89	2,812.63	0.07	-0.05	0.050
16.00	-22.18	-0.89	0.00	-122.16	0.00	122.16	3,354.79	866.84	3,345.03	2,794.20	0.08	-0.05	0.050
17.00	-22.01	-0.89	0.00	-121.26	0.00	121.26	3,346.72	863.24	3,317.30	2,775.78	0.09	-0.05	0.050
18.00	-21.84	-0.90	0.00	-120.37	0.00	120.37	3,338.59	859.64	3,289.67	2,757.38	0.11	-0.06	0.050
19.00	-21.68	-0.90	0.00	-119.47	0.00	119.47	3,330.41	856.04	3,262.17	2,738.99	0.12	-0.06	0.050
20.00	-21.51	-0.90	0.00	-118.58	0.00	118.58	3,322.19	852.43	3,234.78	2,720.63	0.13	-0.06	0.050
21.00	-21.35	-0.90	0.00	-117.68	0.00	117.68	3,313.92	848.83	3,207.50	2,702.28	0.14	-0.07	0.050
22.00	-21.18	-0.90	0.00	-116.78	0.00	116.78	3,305.59	845.23	3,180.34	2,683.94	0.16	-0.07	0.050
23.00	-21.02	-0.90	0.00	-115.89	0.00	115.89	3,297.22	841.63	3,153.30	2,665.63	0.17	-0.07	0.050
24.00	-20.86	-0.90	0.00	-114.99	0.00	114.99	3,288.80	838.02	3,126.37	2,647.33	0.19	-0.08	0.050
25.00	-20.69	-0.90	0.00	-114.09	0.00	114.09	3,280.33	834.42	3,099.55	2,629.06	0.21	-0.08	0.050
26.00	-20.53	-0.90	0.00	-113.19	0.00	113.19	3,271.81	830.82	3,072.86	2,610.80	0.22	-0.08	0.050
27.00	-20.37	-0.90	0.00	-112.28	0.00	112.28	3,263.25	827.21	3,046.27	2,592.57	0.24	-0.09	0.050
28.00	-20.21	-0.90	0.00	-111.38	0.00	111.38	3,254.63	823.61	3,019.81	2,574.36	0.26	-0.09	0.049
29.00	-20.05	-0.90	0.00	-110.48	0.00	110.48	3,245.97	820.01	2,993.45	2,556.16	0.28	-0.09	0.049
30.00	-19.89	-0.90	0.00	-109.58	0.00	109.58	3,237.25	816.41	2,967.22	2,537.99	0.30	-0.10	0.049
31.00	-19.73	-0.90	0.00	-108.67	0.00	108.67	3,228.49	812.80	2,941.10	2,519.85	0.32	-0.10	0.049
32.00	-19.57	-0.90	0.00	-107.77	0.00	107.77	3,219.68	809.20	2,915.09	2,501.72	0.34	-0.10	0.049
33.00	-19.41	-0.90	0.00	-106.87	0.00	106.87	3,210.82	805.60	2,889.20	2,483.62	0.36	-0.11	0.049
34.00	-19.26	-0.90	0.00	-105.96	0.00	105.96	3,201.91	802.00	2,863.43	2,465.55	0.39	-0.11	0.049
35.00	-19.10	-0.91	0.00	-105.06	0.00	105.06	3,192.95	798.39	2,837.77	2,447.50	0.41	-0.12	0.049
36.00	-18.94	-0.91	0.00	-104.15	0.00	104.15	3,183.94	794.79	2,812.23	2,429.47	0.44	-0.12	0.049
37.00	-18.79	-0.91	0.00	-103.25	0.00	103.25	3,174.88	791.19	2,786.80	2,411.47	0.46	-0.12	0.049
38.00	-18.63	-0.91	0.00	-102.34	0.00	102.34	3,165.78	787.59	2,761.49	2,393.50	0.49	-0.13	0.049
39.00	-18.48	-0.91	0.00	-101.43	0.00	101.43	3,156.62	783.98	2,736.29	2,375.55	0.51	-0.13	0.049
40.00	-18.32	-0.91	0.00	-100.53	0.00	100.53	3,147.42	780.38	2,711.21	2,357.63	0.54	-0.13	0.048
41.00	-18.17	-0.91	0.00	-99.62	0.00	99.62	3,138.17	776.78	2,686.24	2,339.74	0.57	-0.14	0.048
42.00	-18.12	-0.91	0.00	-98.72	0.00	98.72	3,128.87	773.18	2,661.39	2,321.87	0.60	-0.14	0.048
42.33	-17.94	-0.91	0.00	-98.41	0.00	98.41	3,125.75	771.97	2,653.11	2,315.91	0.61	-0.14	0.048
43.00	-17.67	-0.90	0.00	-97.81	0.00	97.81	3,119.52	769.57	2,636.66	2,304.04	0.63	-0.14	0.048
44.00	-17.40	-0.90	0.00	-96.91	0.00	96.91	3,110.12	765.97	2,612.04	2,286.23	0.66	-0.15	0.048

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:13:14 PM

Customer: AT&T MOBILITY

45.00	-17.13	-0.90	0.00	-96.01	0.00	96.01	3,100.67	762.37	2,587.53	2,268.46	0.69	-0.15	0.048
46.00	-16.86	-0.90	0.00	-95.10	0.00	95.10	3,091.17	758.77	2,563.15	2,250.71	0.72	-0.16	0.048
47.00	-16.59	-0.90	0.00	-94.21	0.00	94.21	3,081.63	755.16	2,538.87	2,233.00	0.76	-0.16	0.048
48.00	-16.45	-0.90	0.00	-93.31	0.00	93.31	2,760.51	702.89	2,399.36	2,033.17	0.79	-0.16	0.052
49.00	-16.31	-0.90	0.00	-92.41	0.00	92.41	2,752.72	699.59	2,376.88	2,017.82	0.83	-0.17	0.052
50.00	-16.17	-0.90	0.00	-91.51	0.00	91.51	2,744.89	696.29	2,354.50	2,002.49	0.86	-0.17	0.052
51.00	-16.03	-0.90	0.00	-90.62	0.00	90.62	2,737.01	692.99	2,332.22	1,987.18	0.90	-0.18	0.051
52.00	-15.89	-0.90	0.00	-89.72	0.00	89.72	2,729.07	689.68	2,310.05	1,971.89	0.94	-0.18	0.051
53.00	-15.76	-0.90	0.00	-88.82	0.00	88.82	2,721.09	686.38	2,287.99	1,956.62	0.97	-0.18	0.051
54.00	-15.62	-0.89	0.00	-87.93	0.00	87.93	2,713.06	683.08	2,266.04	1,941.37	1.01	-0.19	0.051
55.00	-15.48	-0.89	0.00	-87.03	0.00	87.03	2,704.99	679.78	2,244.19	1,926.14	1.05	-0.19	0.051
56.00	-15.35	-0.89	0.00	-86.14	0.00	86.14	2,696.86	676.47	2,222.44	1,910.94	1.09	-0.20	0.051
57.00	-15.21	-0.89	0.00	-85.25	0.00	85.25	2,688.68	673.17	2,200.80	1,895.75	1.13	-0.20	0.051
58.00	-15.07	-0.89	0.00	-84.35	0.00	84.35	2,680.46	669.87	2,179.27	1,880.59	1.18	-0.20	0.050
59.00	-14.94	-0.89	0.00	-83.46	0.00	83.46	2,672.18	666.57	2,157.84	1,865.45	1.22	-0.21	0.050
60.00	-14.80	-0.89	0.00	-82.57	0.00	82.57	2,663.86	663.26	2,136.52	1,850.34	1.26	-0.21	0.050
61.00	-14.67	-0.89	0.00	-81.68	0.00	81.68	2,655.49	659.96	2,115.31	1,835.24	1.31	-0.22	0.050
62.00	-14.54	-0.89	0.00	-80.80	0.00	80.80	2,647.07	656.66	2,094.20	1,820.18	1.35	-0.22	0.050
63.00	-14.41	-0.89	0.00	-79.91	0.00	79.91	2,638.60	653.36	2,073.20	1,805.14	1.40	-0.22	0.050
64.00	-14.27	-0.88	0.00	-79.02	0.00	79.02	2,630.08	650.05	2,052.30	1,790.12	1.45	-0.23	0.050
65.00	-14.14	-0.88	0.00	-78.14	0.00	78.14	2,621.51	646.75	2,031.51	1,775.14	1.50	-0.23	0.049
66.00	-14.01	-0.88	0.00	-77.25	0.00	77.25	2,612.90	643.45	2,010.82	1,760.18	1.55	-0.24	0.049
67.00	-13.88	-0.88	0.00	-76.37	0.00	76.37	2,604.23	640.15	1,990.24	1,745.24	1.60	-0.24	0.049
68.00	-13.75	-0.88	0.00	-75.49	0.00	75.49	2,595.52	636.85	1,969.77	1,730.34	1.65	-0.25	0.049
69.00	-13.62	-0.88	0.00	-74.61	0.00	74.61	2,586.75	633.54	1,949.40	1,715.46	1.70	-0.25	0.049
70.00	-13.49	-0.88	0.00	-73.73	0.00	73.73	2,577.94	630.24	1,929.14	1,700.61	1.75	-0.25	0.049
71.00	-13.37	-0.87	0.00	-72.86	0.00	72.86	2,569.08	626.94	1,908.98	1,685.79	1.81	-0.26	0.048
72.00	-13.24	-0.87	0.00	-71.98	0.00	71.98	2,560.17	623.64	1,888.93	1,671.00	1.86	-0.26	0.048
73.00	-13.11	-0.87	0.00	-71.11	0.00	71.11	2,551.21	620.33	1,868.98	1,656.24	1.92	-0.27	0.048
74.00	-12.98	-0.87	0.00	-70.24	0.00	70.24	2,542.20	617.03	1,849.14	1,641.51	1.97	-0.27	0.048
75.00	-12.86	-0.87	0.00	-69.37	0.00	69.37	2,533.14	613.73	1,829.41	1,626.82	2.03	-0.28	0.048
76.00	-12.73	-0.87	0.00	-68.51	0.00	68.51	2,524.04	610.43	1,809.78	1,612.15	2.09	-0.28	0.048
77.00	-12.61	-0.86	0.00	-67.64	0.00	67.64	2,514.88	607.12	1,790.26	1,597.52	2.15	-0.29	0.047
78.00	-12.48	-0.86	0.00	-66.78	0.00	66.78	2,505.68	603.82	1,770.85	1,582.92	2.21	-0.29	0.047
79.00	-12.36	-0.86	0.00	-65.92	0.00	65.92	2,496.42	600.52	1,751.54	1,568.36	2.27	-0.29	0.047
80.00	-12.07	-0.85	0.00	-65.06	0.00	65.06	2,487.12	597.22	1,732.33	1,553.83	2.33	-0.30	0.047
81.00	-11.95	-0.85	0.00	-64.21	0.00	64.21	2,477.77	593.91	1,713.24	1,539.33	2.40	-0.30	0.047
82.00	-11.83	-0.85	0.00	-63.36	0.00	63.36	2,468.37	590.61	1,694.24	1,524.87	2.46	-0.31	0.046
83.00	-11.70	-0.84	0.00	-62.51	0.00	62.51	2,458.92	587.31	1,675.36	1,510.45	2.52	-0.31	0.046
84.00	-11.58	-0.84	0.00	-61.66	0.00	61.66	2,449.43	584.01	1,656.58	1,496.06	2.59	-0.32	0.046
85.00	-11.57	-0.84	0.00	-60.82	0.00	60.82	2,438.96	580.70	1,637.90	1,481.15	2.66	-0.32	0.046
85.08	-11.39	-0.84	0.00	-60.75	0.00	60.75	2,437.79	580.43	1,636.34	1,479.72	2.66	-0.32	0.046
86.00	-11.19	-0.83	0.00	-59.98	0.00	59.98	2,425.09	577.40	1,619.33	1,464.25	2.72	-0.33	0.046
87.00	-10.99	-0.83	0.00	-59.15	0.00	59.15	2,411.22	574.10	1,600.87	1,447.45	2.79	-0.33	0.045
88.00	-10.79	-0.82	0.00	-58.32	0.00	58.32	2,397.35	570.80	1,582.51	1,430.76	2.86	-0.33	0.045
89.00	-10.60	-0.82	0.00	-57.50	0.00	57.50	2,383.48	567.50	1,564.26	1,414.15	2.93	-0.34	0.045
90.00	-10.60	-0.82	0.00	-56.68	0.00	56.68	2,369.61	564.19	1,546.12	1,397.65	3.00	-0.34	0.045
90.00	-10.49	-0.81	0.00	-56.68	0.00	56.68	1,850.32	471.54	1,319.81	1,117.44	3.00	-0.34	0.056
91.00	-10.39	-0.81	0.00	-55.87	0.00	55.87	1,843.97	468.84	1,304.75	1,107.17	3.08	-0.35	0.056
92.00	-10.29	-0.81	0.00	-55.06	0.00	55.06	1,837.56	466.14	1,289.76	1,096.90	3.15	-0.35	0.056
93.00	-10.19	-0.81	0.00	-54.25	0.00	54.25	1,831.11	463.44	1,274.85	1,086.66	3.23	-0.36	0.055
94.00	-10.09	-0.80	0.00	-53.44	0.00	53.44	1,824.61	460.74	1,260.03	1,076.42	3.30	-0.36	0.055
95.00	-9.99	-0.80	0.00	-52.64	0.00	52.64	1,818.06	458.04	1,245.30	1,066.21	3.38	-0.37	0.055
96.00	-9.89	-0.80	0.00	-51.84	0.00	51.84	1,811.46	455.33	1,230.66	1,056.01	3.46	-0.38	0.055

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:13:14 PM

Customer: AT&T MOBILITY

97.00	-9.79	-0.80	0.00	-51.04	0.00	51.04	1,804.81	452.63	1,216.10	1,045.83	3.54	-0.38	0.054
98.00	-9.70	-0.79	0.00	-50.24	0.00	50.24	1,798.11	449.93	1,201.63	1,035.67	3.62	-0.39	0.054
99.00	-9.60	-0.79	0.00	-49.45	0.00	49.45	1,791.36	447.23	1,187.25	1,025.53	3.70	-0.39	0.054
100.00	-9.41	-0.78	0.00	-48.66	0.00	48.66	1,784.57	444.53	1,172.95	1,015.40	3.78	-0.40	0.053
101.00	-9.31	-0.78	0.00	-47.87	0.00	47.87	1,777.72	441.82	1,158.74	1,005.30	3.86	-0.40	0.053
102.00	-9.21	-0.78	0.00	-47.09	0.00	47.09	1,770.83	439.12	1,144.62	995.22	3.95	-0.41	0.053
103.00	-9.12	-0.77	0.00	-46.31	0.00	46.31	1,763.89	436.42	1,130.58	985.15	4.03	-0.41	0.052
104.00	-9.02	-0.77	0.00	-45.54	0.00	45.54	1,756.90	433.72	1,116.63	975.11	4.12	-0.42	0.052
105.00	-8.93	-0.77	0.00	-44.77	0.00	44.77	1,749.86	431.02	1,102.76	965.09	4.21	-0.42	0.051
106.00	-8.83	-0.77	0.00	-44.00	0.00	44.00	1,742.77	428.32	1,088.99	955.09	4.30	-0.43	0.051
107.00	-8.74	-0.76	0.00	-43.23	0.00	43.23	1,735.63	425.61	1,075.29	945.12	4.39	-0.44	0.051
108.00	-8.64	-0.76	0.00	-42.47	0.00	42.47	1,728.44	422.91	1,061.69	935.17	4.48	-0.44	0.050
109.00	-8.55	-0.75	0.00	-41.71	0.00	41.71	1,721.20	420.21	1,048.17	925.24	4.58	-0.45	0.050
110.00	-8.27	-0.74	0.00	-40.96	0.00	40.96	1,713.92	417.51	1,034.74	915.34	4.67	-0.45	0.050
111.00	-8.18	-0.74	0.00	-40.22	0.00	40.22	1,706.58	414.81	1,021.40	905.46	4.76	-0.46	0.049
112.00	-8.09	-0.74	0.00	-39.48	0.00	39.48	1,699.20	412.10	1,008.14	895.61	4.86	-0.46	0.049
113.00	-7.98	-0.73	0.00	-38.74	0.00	38.74	1,691.77	409.40	994.97	885.78	4.96	-0.47	0.048
114.00	-7.89	-0.73	0.00	-38.01	0.00	38.01	1,684.29	406.70	981.88	875.98	5.06	-0.47	0.048
115.00	-7.80	-0.72	0.00	-37.28	0.00	37.28	1,676.76	404.00	968.88	866.21	5.16	-0.48	0.048
116.00	-7.71	-0.72	0.00	-36.56	0.00	36.56	1,669.18	401.30	955.97	856.46	5.26	-0.48	0.047
117.00	-7.62	-0.72	0.00	-35.84	0.00	35.84	1,661.55	398.59	943.15	846.75	5.36	-0.49	0.047
118.00	-7.54	-0.71	0.00	-35.13	0.00	35.13	1,653.87	395.89	930.41	837.06	5.46	-0.50	0.047
119.00	-7.45	-0.71	0.00	-34.42	0.00	34.42	1,646.15	393.19	917.76	827.40	5.57	-0.50	0.046
120.00	-7.36	-0.70	0.00	-33.71	0.00	33.71	1,638.37	390.49	905.19	817.77	5.67	-0.51	0.046
121.00	-7.27	-0.70	0.00	-33.01	0.00	33.01	1,628.70	387.79	892.71	807.25	5.78	-0.51	0.045
122.00	-7.18	-0.69	0.00	-32.31	0.00	32.31	1,617.35	385.08	880.32	795.98	5.89	-0.52	0.045
123.00	-7.10	-0.69	0.00	-31.61	0.00	31.61	1,606.00	382.38	868.02	784.78	6.00	-0.52	0.045
124.00	-7.01	-0.69	0.00	-30.92	0.00	30.92	1,594.66	379.68	855.80	773.67	6.11	-0.53	0.044
124.99	-7.01	-0.69	0.00	-30.24	0.00	30.24	1,583.38	376.99	843.74	762.70	6.22	-0.53	0.044
124.99	-7.01	-0.69	0.00	-30.24	0.00	30.24	1,139.37	293.99	659.58	551.72	6.22	-0.53	0.061
125.00	-6.94	-0.68	0.00	-30.24	0.00	30.24	1,139.34	293.98	659.53	551.68	6.22	-0.53	0.061
126.00	-6.87	-0.68	0.00	-29.56	0.00	29.56	1,134.60	291.88	650.13	545.42	6.33	-0.54	0.060
127.00	-6.80	-0.68	0.00	-28.88	0.00	28.88	1,129.80	289.77	640.81	539.17	6.45	-0.55	0.060
128.00	-6.72	-0.67	0.00	-28.20	0.00	28.20	1,124.96	287.67	631.55	532.93	6.56	-0.56	0.059
129.00	-6.65	-0.67	0.00	-27.53	0.00	27.53	1,120.07	285.57	622.36	526.70	6.68	-0.56	0.058
130.00	-6.58	-0.66	0.00	-26.86	0.00	26.86	1,115.13	283.47	613.24	520.48	6.80	-0.57	0.058
131.00	-6.51	-0.66	0.00	-26.20	0.00	26.20	1,110.14	281.37	604.18	514.28	6.92	-0.58	0.057
132.00	-6.44	-0.66	0.00	-25.54	0.00	25.54	1,105.10	279.27	595.19	508.08	7.04	-0.58	0.056
133.00	-6.37	-0.65	0.00	-24.88	0.00	24.88	1,100.01	277.17	586.27	501.90	7.16	-0.59	0.055
134.00	-6.31	-0.65	0.00	-24.23	0.00	24.23	1,094.88	275.06	577.42	495.73	7.29	-0.60	0.055
135.00	-6.24	-0.64	0.00	-23.58	0.00	23.58	1,089.69	272.96	568.63	489.58	7.41	-0.60	0.054
136.00	-6.17	-0.64	0.00	-22.94	0.00	22.94	1,084.45	270.86	559.91	483.44	7.54	-0.61	0.053
137.00	-6.10	-0.64	0.00	-22.30	0.00	22.30	1,079.17	268.76	551.26	477.31	7.67	-0.62	0.052
138.00	-6.03	-0.63	0.00	-21.66	0.00	21.66	1,073.84	266.66	542.68	471.20	7.80	-0.62	0.052
139.00	-5.97	-0.63	0.00	-21.03	0.00	21.03	1,068.46	264.56	534.16	465.11	7.93	-0.63	0.051
140.00	-5.90	-0.62	0.00	-20.40	0.00	20.40	1,063.03	262.46	525.71	459.03	8.06	-0.64	0.050
141.00	-5.83	-0.62	0.00	-19.78	0.00	19.78	1,057.55	260.35	517.33	452.97	8.20	-0.64	0.049
142.00	-5.77	-0.61	0.00	-19.16	0.00	19.16	1,052.02	258.25	509.01	446.93	8.33	-0.65	0.048
143.00	-5.65	-0.61	0.00	-18.54	0.00	18.54	1,046.44	256.15	500.77	440.91	8.47	-0.66	0.047
144.00	-5.54	-0.60	0.00	-17.94	0.00	17.94	1,040.82	254.05	492.59	434.90	8.61	-0.66	0.047
145.00	-5.48	-0.59	0.00	-17.34	0.00	17.34	1,035.14	251.95	484.47	428.91	8.75	-0.67	0.046
146.00	-5.42	-0.59	0.00	-16.75	0.00	16.75	1,029.42	249.85	476.43	422.95	8.89	-0.68	0.045
147.00	-5.36	-0.59	0.00	-16.16	0.00	16.16	1,023.64	247.74	468.45	417.00	9.03	-0.68	0.044
148.00	-5.30	-0.58	0.00	-15.57	0.00	15.57	1,017.82	245.64	460.54	411.07	9.18	-0.69	0.043

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:13:14 PM

Customer: AT&T MOBILITY

149.00	-5.24	-0.58	0.00	-14.99	0.00	14.99	1,011.95	243.54	452.70	405.17	9.32	-0.70	0.042
150.00	-4.99	-0.56	0.00	-14.41	0.00	14.41	1,006.03	241.44	444.92	399.28	9.47	-0.70	0.041
151.00	-4.93	-0.55	0.00	-13.86	0.00	13.86	1,000.06	239.34	437.21	393.42	9.62	-0.71	0.040
152.00	-4.87	-0.55	0.00	-13.31	0.00	13.31	994.04	237.24	429.57	387.58	9.76	-0.71	0.039
153.00	-4.81	-0.54	0.00	-12.76	0.00	12.76	987.57	235.14	422.00	381.61	9.91	-0.72	0.038
154.00	-4.75	-0.54	0.00	-12.22	0.00	12.22	978.74	233.03	414.49	374.78	10.07	-0.73	0.037
155.00	-4.70	-0.53	0.00	-11.68	0.00	11.68	969.92	230.93	407.05	368.01	10.22	-0.73	0.037
156.00	-4.63	-0.53	0.00	-11.15	0.00	11.15	961.09	228.83	399.68	361.31	10.37	-0.74	0.036
157.00	-4.54	-0.52	0.00	-10.62	0.00	10.62	952.26	226.73	392.37	354.66	10.53	-0.74	0.035
158.00	-4.49	-0.51	0.00	-10.10	0.00	10.10	943.44	224.63	385.14	348.08	10.68	-0.75	0.034
159.00	-4.43	-0.51	0.00	-9.59	0.00	9.59	934.61	222.53	377.97	341.56	10.84	-0.75	0.033
160.00	-4.38	-0.51	0.00	-9.08	0.00	9.08	925.79	220.43	370.87	335.10	11.00	-0.76	0.032
161.00	-4.32	-0.50	0.00	-8.57	0.00	8.57	916.96	218.32	363.83	328.70	11.16	-0.76	0.031
162.00	-4.27	-0.50	0.00	-8.07	0.00	8.07	908.13	216.22	356.86	322.37	11.32	-0.77	0.030
163.00	-4.22	-0.49	0.00	-7.58	0.00	7.58	899.31	214.12	349.96	316.09	11.48	-0.77	0.029
164.00	-4.17	-0.49	0.00	-7.08	0.00	7.08	890.48	212.02	343.13	309.88	11.64	-0.78	0.028
165.00	-4.11	-0.48	0.00	-6.60	0.00	6.60	881.65	209.92	336.36	303.73	11.80	-0.78	0.026
166.00	-4.06	-0.48	0.00	-6.12	0.00	6.12	872.83	207.82	329.67	297.64	11.97	-0.78	0.025
167.00	-4.01	-0.47	0.00	-5.64	0.00	5.64	864.00	205.71	323.04	291.61	12.13	-0.79	0.024
168.00	-3.96	-0.47	0.00	-5.17	0.00	5.17	855.17	203.61	316.47	285.65	12.30	-0.79	0.023
169.00	-3.91	-0.46	0.00	-4.71	0.00	4.71	846.35	201.51	309.98	279.74	12.46	-0.80	0.021
170.00	-3.79	-0.45	0.00	-4.25	0.00	4.25	837.52	199.41	303.55	273.90	12.63	-0.80	0.020
171.00	-3.75	-0.44	0.00	-3.80	0.00	3.80	828.70	197.31	297.19	268.12	12.80	-0.80	0.019
172.00	-3.70	-0.44	0.00	-3.36	0.00	3.36	819.87	195.21	290.89	262.40	12.97	-0.81	0.017
173.00	-3.66	-0.43	0.00	-2.92	0.00	2.92	811.04	193.11	284.67	256.74	13.14	-0.81	0.016
174.00	-3.61	-0.43	0.00	-2.48	0.00	2.48	802.22	191.00	278.51	251.15	13.31	-0.81	0.014
175.00	-3.57	-0.42	0.00	-2.06	0.00	2.06	793.39	188.90	272.41	245.61	13.48	-0.81	0.013
176.00	-3.52	-0.42	0.00	-1.63	0.00	1.63	784.56	186.80	266.39	240.14	13.65	-0.81	0.011
177.00	-3.44	-0.41	0.00	-1.21	0.00	1.21	775.74	184.70	260.43	234.73	13.82	-0.81	0.010
178.00	-3.40	-0.40	0.00	-0.80	0.00	0.80	766.91	182.60	254.54	229.38	13.99	-0.82	0.008
179.00	-3.35	-0.40	0.00	-0.40	0.00	0.40	758.08	180.50	248.72	224.09	14.16	-0.82	0.006
180.00	0.00	-0.35	0.00	0.00	0.00	0.00	749.26	178.39	242.97	218.87	14.33	-0.82	0.000

Site Number: 302501

Code: ANSI/TIA-222-H

© 2007 - 2020 by ATC IP LLC. All rights reserved.

Site Name: Plymouth CT 3, CT

Engineering Number:13213650_C3_07

8/19/2020 1:13:14 PM

Customer: AT&T MOBILITY

Analysis Summary

Load Case	Reactions						Max Usage	
	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)	Elev (ft)	Interaction Ratio
1.2D + 1.0W	23.53	0.00	35.06	0.00	0.00	2705.04	0.00	0.89
0.9D + 1.0W	23.52	0.00	26.29	0.00	0.00	2643.53	0.00	0.86
1.2D + 1.0Di + 1.0Wi	5.38	0.00	48.30	0.00	0.00	693.67	124.99	0.25
1.2D + 1.0Ev + 1.0Eh	0.88	0.00	36.00	0.00	0.00	141.17	124.99	0.07
0.9D - 1.0Ev + 1.0Eh	0.87	0.00	24.94	0.00	0.00	136.30	124.99	0.06
1.0D + 1.0W	5.93	0.00	29.22	0.00	0.00	674.28	0.00	0.23

Site Name: Plymouth CT 3, CT

Site Number: 302501

Tower Type: MP

Design Loads (Factored) - Analysis per TIA-222-H Standards

Monolithic Mat & Pier Foundation Analysis

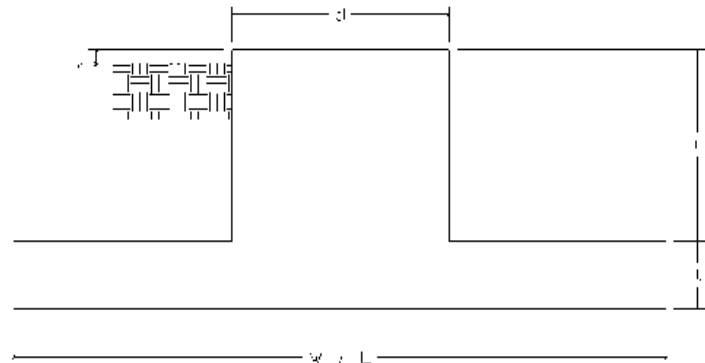
Foundation Analysis Parameters		
Design / Analysis / Mapping:	Analysis	-
Compression/Leg:	35.1	k
Uplift/Leg:	0.0	k
Total Shear:	23.5	k
Moment:	2,705.0	k-ft
Tower + Appurtenance Weight:	35.1	k
Depth to Base of Foundation (l + t - h):	8	ft
Diameter of Pier (d):	6	ft
Length of Pier (l):	5.5	ft
Height of Pier above Ground (h):	0.5	ft
Width of Pad (W):	20	ft
Length of Pad (L):	20	ft
Thickness of Pad (t):	3	ft
Tower Leg Center to Center:	0	ft
Number of Tower Legs:	1	-
Tower Center from Mat Center:	0	ft
Depth Below Ground Surface to Water Table:	99	ft
Unit Weight of Concrete:	150	pcf
Unit Weight of Soil Above Water Table:	135	pcf
Unit Weight of Water:	62.4	pcf
Unit Weight of Soil Below Water Table:	72.6	pcf
Friction Angle of Uplift:	15	°
Coefficient of Shear Friction:	0.35	-
Ultimate Compressive Bearing Pressure:	15,000	psf
Ultimate Passive Pressure on Pad Face:	0	psf
f _{Soil and Concrete Weight} :	0.9	-
f _{Soil} :	0.75	-

Overturning Moment Usage		
Design OTM:	2905.0	k-ft
OTM Resistance:	4684.5	k-ft
Design OTM / OTM Resistance:	62%	Pass

Soil Bearing Pressure Usage		
Net Bearing Pressure:	6665	psf
Factored Nominal Bearing Pressure:	11250	psf
Factored Nominal (Net) Bearing Pressure:	59%	Pass
Load Direction Controlling Design Bearing Pressure:	Diagonal to Pad Edge	

Sliding Factor of Safety		
Ultimate Friction Resistance:	169.2	k
Ultimate Passive Pressure Resistance:	0.0	k
Total Factored Sliding Resistance:	126.9	k
Sliding Design / Sliding Resistance:	19%	Pass

Foundation Steel Parameters		
Shear/Leg (Compression):	15.7	k
Shear/Leg (Uplift):	12.9	k
Concrete Strength (f' _c):	3,000	psi
Pad Tension Steel Depth:	32.38	in
Dead Load Factor:	0.9	-
f _{Shear} :	0.75	-
f _{Flexure / Tension} :	0.9	-
f _{Compression} :	0.65	-
b:	0.85	-
Bottom Pad Rebar Size #:	10	-
# of Bottom Pad Rebar:	39	-
Pad Bottom Steel Area:	49.53	in ²
Pad Steel F _y :	60,000	psi
Top Pad Rebar Size #:	5	-
# of Top Pad Rebar:	39	-
Pad Top Steel Area:	12.09	in ²
Pier Rebar Size #:	11	-
Pier Steel Area (Single Bar):	1.56	in ²
# of Pier Rebar:	14	-
Pier Steel F _y :	60,000	psi
Pier Cage Diameter:	63.6	in
Rebar Strain Limit:	0.008	-
Steel Elastic Modulus:	29,000	ksi
Tie Rebar Size #:	4	-
Tie Steel Area (Single Bar):	0.20	in ²
Tie Spacing:	12	in
Tie Steel F _y :	60,000	psi
Clear Cover:	3	in



Pad Strength Capacity			
Factored One Way Shear (V_u):	268.1	k	ACI 318-14 25.5.5.1
One Way Shear Capacity (fV_c):	539.1	k	
V_u / fV_c :	50%	Pass	
Load Direction Controlling Shear Capacity:	Diagonal to Pad Edge		
Lower Steel Pad Factored Moment (M_u):	1622.9	k-ft	ACI 318-14 22.3.1.1
Lower Steel Pad Moment Capacity (fM_n):	6755.9	k-ft	
M_u / fM_n :	24%	Pass	
Load Direction Controlling Flexural Capacity:	Parallel to Pad Edge		
Upper Steel Pad Factored Moment (M_u):	551.3	k-ft	
Upper Steel Pad Moment Capacity (fM_n):	1734.0	k-ft	
M_u / fM_n :	32%	Pass	
Lower Pad Flexural Reinforcement Ratio:	0.0064		
Upper Pad Flexural Reinforcement Ratio:	0.0016		OK - ACI 318-14 7.6.1.1 & 8.6.1.1
Pad Shrinkage Reinforcement Ratio:	0.0079		OK - ACI 318-14 24.4.3.2
Lower Pad Reinforcement Spacing:	6.1	in	OK - ACI 318-14 7.7.2.3, 8.7.2.2, & 24.4.3.3
Upper Pad Reinforcement Spacing:	6.1	in	OK - ACI 318-14 7.7.2.3, 8.7.2.2, & 24.4.3.3
Ultimate Punching Shear Stress, v_u :	37.27	psi	ACI 318-14 R8.4.4.2.3
Nominal Punching Shear Capacity ($f_c v_c$):	164.3	psi	ACI 318-14 22.6.5.2
$v_u / f_c v_c$:	23%	Pass	
Pier Moment Pad Flexure Transfer Ratio, γ_f :	0.60		TIA-222-H 9.4.2
Moment Transfer Effective Flexural Width, B_{eff} :	15.00	ft	TIA-222-H 9.4.2
Moment Transfer Through Pad Flexure:	20408.08	k-in	TIA-222-H 9.4.2
Moment Transfer Flexural Capacity ($fM_{sc,f}$):	62849.49	k-in	
$g_f M_{sc} / fM_{sc,f}$:	0%	Pass	

Pier Strength Capacity			
Factored Moment in Pier (M_u):	2834.5	k-ft	
Pier Moment Capacity (ϕM_n):	3069.4	k-ft	
$M_u / \phi M_n$:	92%	Pass	
Factored Shear in Pier (V_u):	23.5	k	ACI 318-14 22.5.1.1
Pier Shear Capacity (ϕV_n):	422.3	k	
$V_u / \phi V_c$:	6%	Pass	
Pier Shear Reinforcement Ratio:	0.0005		OK - No Ties Necessary for Shear - ACI11.5.6.1
Factored Tension in Pier (T_u):	0.0	k	
Pier Tension Capacity (ϕT_n):	1179.4	k	
$T_u / \phi T_n$:	0%	Pass	
Factored Compression in Pier (P_u):	35.1	k	ACI 318-14 22.4.2.1
Pier Compression Capacity (ϕP_n):	5418.5	k	
$P_u / \phi P_n$:	1%	Pass	
Pier Compression Reinforcement Ratio:	0.005		OK - TIA-222-H 9.4.1
Minimum Depth to Develop Vertical Rebar:	63	in	ACI 318-14 25.4.2.3
Minimum Hook Development Length:	31	in	ACI 318-14 25.4.3.1
Minimum Mat Thickness / Edge Distance from Pier:	34.0	in	
Minimum Foundation Depth:	8.35	ft	
$M_u/\phi_B M_n + T_u/\phi_T T_n$:	92%	Pass	



Base Plate & Anchor Rod Analysis

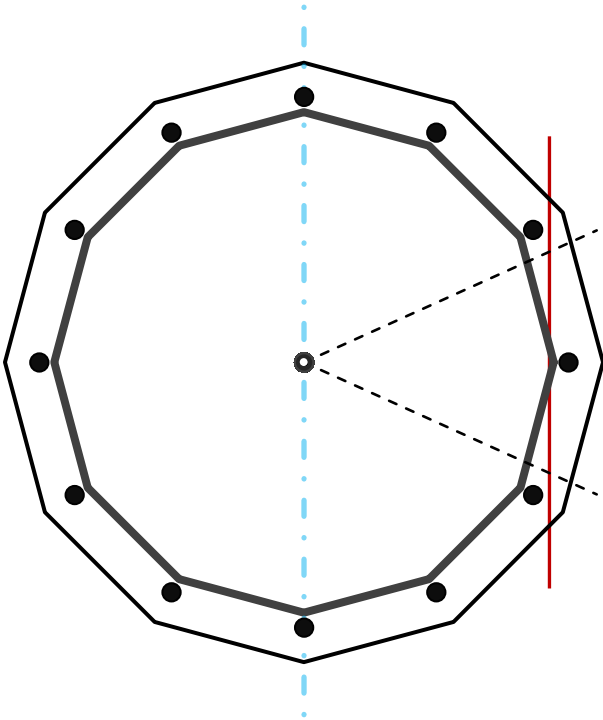
Pole Dimensions		
Number of Sides	12	-
Diameter	44	in
Thickness	3/8	in
Orientation Offset	0	°

Base Reactions		
Moment, Mu	2705.0	k-ft
Axial, Pu	35.1	k
Shear, Vu	23.5	k
Neutral Axis	270	°

Report Capacities		
Component	Capacity	Result
Base Plate	12%	Pass
Anchor Rods	99%	Pass
Dwyidag	-	-

Base Plate		
Number of Sides	12	-
Diameter, ϕ	52.84	in
Thickness	2 1/2	in
Grade	A871-60	
Yield Strength, Fy	60	ksi
Tensile Strength, Fu	75	ksi
Clip	N/A	in
Orientation Offset	0	°
Anchor Rod Detail	d	$\eta=0.5$
Clear Distance	3	in
Applied Moment, Mu	228.2	k
Bending Stress, ϕMn	1874.8	k

Original Anchor Rods		
Arrangement	Radial	-
Quantity	12	-
Diameter, ϕ	2 1/4	in
Bolt Circle	48.42	in
Grade	A615-75	
Yield Strength, Fy	75	ksi
Tensile Strength, Fu	100	ksi
Spacing	12.7	in
Orientation Offset	0	°
Applied Force, Pu	237.7	k
Anchor Rods, ϕPn	243.6	k



Calculations for Monopole Base Plate & Anchor Rod Analysis

Reaction Distribution

Reaction	Shear Vu	Moment Mu	Factor
-	k	k-ft	-
Base Forces	23.5	2705.0	1.00
Anchor Rod Forces	23.5	2705.0	1.00
Additional Bolt (Grp1) Forces	0.0	0.0	0.00
Additional Bolt (Grp2) Forces	0.0	0.0	0.00
Dywidag Forces	0.0	0.0	0.00
Stiffener Forces	0.0	0.0	0.00

Geometric Properties

Section	Gross Area	Net Area	Individual Inertia	Threads per Inch	Moment of Inertia
-	in ²	in ²	in ⁴	#	in ⁴
Pole	50.8094	4.2341	0.1993		12089.57
Bolt	3.9761	3.2477	0.8393	4.5	10338.42
Bolt1	0.0000	0.0000	0.0000	0	0.00
Bolt2	0.0000	0.0000	0.0000	0	0.00
Dywidag	0.0000	0.0000	0.0000		0.00
Stiffener	0.0000	0.0000	0.0000		0.00

Base Plate		
Shape	12	-
Width, W	52.84	in
Thickness, t	2.5	in
Yield Strength, Fy	60	ksi
Tensile Strength, Fu	75	ksi
Base Plate Chord	29.259	in
Detail Type	d	-
Detail Factor	0.50	-
Clear Distance	3	-

Anchor Rods		
Anchor Rod Quantity, N	12	-
Rod Diameter, d	2.25	in
Bolt Circle, BC	48.42	in
Yield Strength, Fy	75	ksi
Tensile Strength, Fu	100	ksi
Applied Axial, Pu	237.7	k
Applied Shear, Vu	1.6	k
Compressive Capacity, ϕP_n	243.6	k
Tensile Capacity, ϕR_{nt}	0.976	OK
Interaction Capacity	0.989	OK

External Base Plate		
Chord Length AA	30.602	in
Additional AA	4.420	in
Section Modulus, Z	54.722	in ³
Applied Moment, Mu	228.2	k-ft
Bending Capacity, ϕM_n	2955.0	k-ft
Capacity, $M_u/\phi M_n$	0.077	OK

Chord Length AB	29.045	in
Additional AB	4.420	in
Section Modulus, Z	52.290	in ³
Applied Moment, Mu	43.2	k-ft
Bending Capacity, ϕM_n	2823.7	k-ft
Capacity, $M_u/\phi M_n$	0.015	OK

Bend Line Length	22.220	in
Additional Bend Line	0.000	in
Section Modulus, Z	34.719	in ³
Applied Moment, Mu	228.2	k-ft
Bending Capacity, ϕM_n	1874.8	k-ft
Capacity, $M_u/\phi M_n$	0.122	OK

Internal Base Plate		
Arc Length	0.000	in
Section Modulus, Z	0.000	in ³
Moment Arm	0.000	in
Applied Moment, Mu	0.0	k-ft
Bending Capacity, ϕM_n	0.0	k-ft
Capacity, $M_u/\phi M_n$		

Flange Plate Analysis

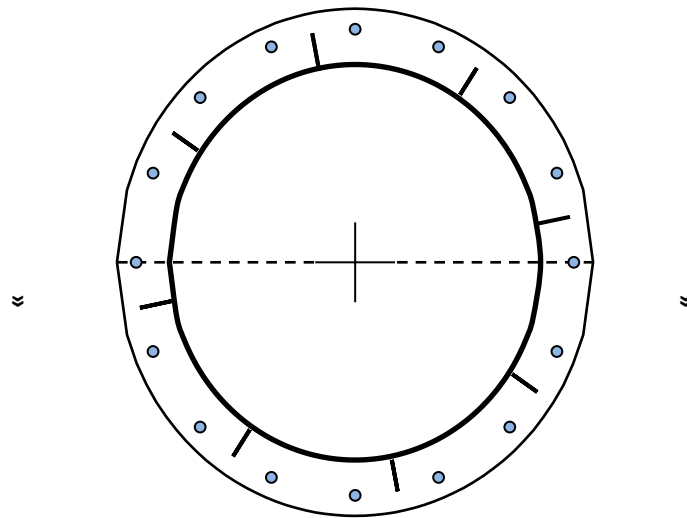
Flange Plate	Plate Type	Flange	@ 124.99 ft
	Pole Diameter	24	in
	Pole Thickness	0.21875	in
	Plate Diameter	30.78	in
	Plate Thickness	1 1/4	in
	Plate Fy	60	ksi
	Weld Length	5/16	in
	f _s Resistance	164.20	k-in
	Applied	57.15	k-in

Code Rev.	G
Moment	431.0 k-ft
Axial	8.3 k

Date	8/19/2020
Engineer	Kevin.Swiercz
Site #	302501
Carrier	AT&T Mobility

Stiffeners	#	8	Show
	Thickness	1/2	in
	Length	3	in
	Height	6	in
	Chamfer	1	in
	Offset Angle	0	°
	Fy	36	ksi

Bolts	#	16	
	Bolt Circle	28.28	in
	(R)adial / (S)quare	R	
	Diameter	1	in
	Hole Diameter	1 1/8	in
	Type	A490	
	Fy	130	ksi
	Fu	150	ksi
	f _s Resistance	68.15	k
	Applied	45.18	k



Reinforcement	#		

Plate Stress Ratio:

35% Pass

Bolt Stress Ratio:

66% Pass

Extra Bolts	#		

UPS CampusShip: View/Print Label

1. **Ensure there are no other shipping or tracking labels attached to your package.** Select the Print button on the print dialog box that appears. Note: If your browser does not support this function select Print from the File menu to print the label.
2. **Fold the printed label at the solid line below.** Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.

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.

Schedule a same day or future day Pickup to have a UPS driver pickup all your CampusShip packages.

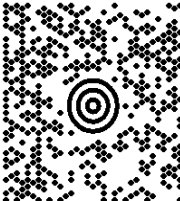
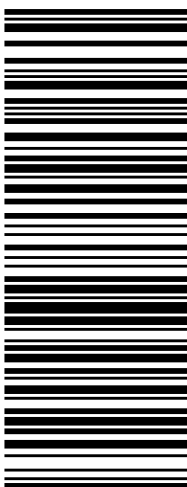
Hand the package to any UPS driver in your area.

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

1 LBS 1 OF 1 PATRICIA NOWAK 508-265-5599 CENTERLINE COMMUNICATIONS, LLC 750 WEST CENTER STREET WEST BRIDGEWATER MA 02379 SHIP TO: MAYOR DAVID V. MERCHANT TOWN OF PLYMOUTH MAYOR'S OFFICE 80 MAIN STREET TERRYVILLE CT 06786-5107	CT 067 9-01  	UPS GROUND TRACKING #: 1Z 9Y4 503 03 1827 5943 	BILLING: P/P Reference # 1: CT1056 - Mayor CS 22.0.12. WNTNV50 34.0A 10/2020* 
--	--	---	---

UPS CampusShip: View/Print Label

1. **Ensure there are no other shipping or tracking labels attached to your package.** Select the Print button on the print dialog box that appears. Note: If your browser does not support this function select Print from the File menu to print the label.
2. **Fold the printed label at the solid line below.** Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.

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.

Schedule a same day or future day Pickup to have a UPS driver pickup all your CampusShip packages.

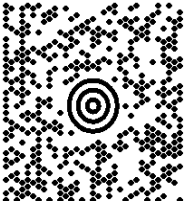
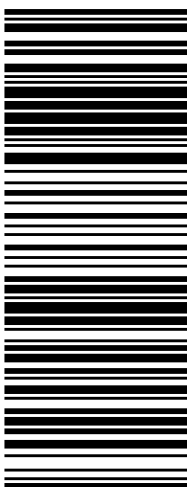
Hand the package to any UPS driver in your area.

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

1 OF 1 1 LBS PATRICIA NOWAK 508-265-5599 CENTERLINE COMMUNICATIONS, LLC 750 WEST CENTER STREET WEST BRIDGEWATER MA 02379 SHIP TO: SCOTT EISENLOHR TOWN OF PLYMOUTH ZONING ENFORCEMENT OFFICER 80 MAIN STREET TERRYVILLE CT 06786-5107	CT 067 9-01  	UPS GROUND TRACKING #: 1Z 9Y4 503 03 0685 9960 	BILLING: P/P Reference # 1: CT1056 - ZEO CS 22.0.12. WNTNV50 34.0A 10/2020* 
---	--	---	---

UPS CampusShip: View/Print Label

1. **Ensure there are no other shipping or tracking labels attached to your package.** Select the Print button on the print dialog box that appears. Note: If your browser does not support this function select Print from the File menu to print the label.
2. **Fold the printed label at the solid line below.** Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.
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.

Schedule a same day or future day Pickup to have a UPS driver pickup all your CampusShip packages.

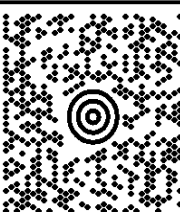
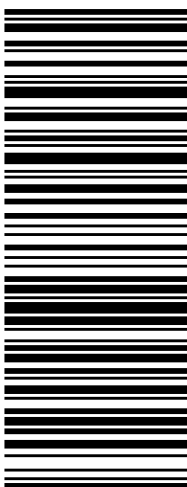
Hand the package to any UPS driver in your area.

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

1 OF 1 1 LBS PATRICIA NOWAK 508-265-5599 CENTERLINE COMMUNICATIONS, LLC 750 WEST CENTER STREET WEST BRIDGEWATER MA 02379 SHIP TO: RAYMOND AND BRENDA LAGOSZ 297 NORTH STREET PLYMOUTH CT 06782-2009	CT 067 9-01  	UPS GROUND TRACKING #: 1Z 9Y4 503 03 1885 4979 	BILLING: P/P Reference # 1: CT1056 - Owner CS 22.0.12. WNTNV50 34.0A 10/2020* 
--	--	---	---

UPS CampusShip: View/Print Label

1. **Ensure there are no other shipping or tracking labels attached to your package.** Select the Print button on the print dialog box that appears. Note: If your browser does not support this function select Print from the File menu to print the label.
2. **Fold the printed label at the solid line below.** Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.

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.

Schedule a same day or future day Pickup to have a UPS driver pickup all your CampusShip packages.

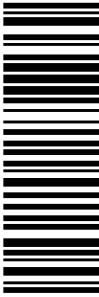
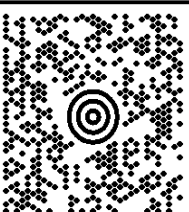
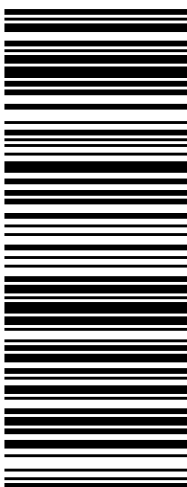
Hand the package to any UPS driver in your area.

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

1 OF 1 1 LBS PATRICIA NOWAK 508-265-5599 CENTERLINE COMMUNICATIONS, LLC 750 WEST CENTER STREET WEST BRIDGEWATER MA 02379 SHIP TO: LAND MANAGEMENT 7814287250 AMERICAN TOWER CORPORATION 10 PRESIDENTIAL WAY WOBURN MA 01801-1053	MA 018 9-04  	UPS GROUND TRACKING #: 1Z 9Y4 503 03 0088 6932 	BILLING: P/P Reference # 1: CT1056 - ATC CS 22.0.12. WNTNV50 34.0A 10/2020* 
--	--	---	---