John Coleman, Project Manager
c/o Cellco Partnership d/b/a Verizon Wireless
Centerline Communications, LLC
750 West Center Street, Floor 3
West Bridgewater, MA 02379
Mobile: (240) 615 -7389
JColeman@clinellc.com

January 28, 2021

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

RE: Notice of Exempt Modification // Site: West Granby CT (ATC: 411186)
8 Upper Meadow Road, Granby, CT, 06035
N 41.9533258 // W 72.82983973

Dear Ms. Bachman,

Cellco Partnership d/b/a Verizon Wireless currently maintains 15 antenna at the 147' level on the existing 151 ft MonopoleTower, located at 8 Upper Meadow Road, Granby, CT. The tower is owned by American Tower. The property is also owned by Tower Meadow LLC. Verizon Wireless now intends to install nine (9) new antenna for the LTE (3700 MHz) replacements for its 5G upgrade. Additionally, Verizon Wireless will remove nine (9) antenna, six (6) Remote Radio Heads (RRHs) with associated cabling and install six (6) RRH's with associated cabling; altogether updating leased equipment rights, as reflected by the final configuration outlined in the structural analysis and proposed hereby.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies §16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to Mark H. Fiorentino, First Selectman, its Zoning Enforcement Officer, Joel Skilton, American Tower, the tower owner, and Tower Meadow LLC the property owner.

The planned modifications to the facility fall squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2). Enclosed to accommodate this filing are construction drawings dated January 11, 2022, by Colliers Engineering & Design, a structural analysis dated November 18, 2021, by American Tower Corporation, and a structural mount analysis by Maser Consulting Connecticut date November 3, 2021, and radio frequency (RF) analysis table showing worst-case RF emission calculation by Verizon Wireless RF Design Engineering.

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

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

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

4. The operation of the new antennas will not increase radio frequency emissions at the facility to a level at or above the Federal Communications Commission safety standard.

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

6. The existing structure and its foundation can support the proposed loading, as shown in the attached structural analysis by American Tower Corporation, dated November 18, 2021, and a structural mount analysis by Maser Consulting Connecticut, dated November 3, 2021, pursuant to certain conditions defined therein. Design and engineering is fully illustrated within final construction drawings, signed and stamped dated January 11, 2022.

For the foregoing reasons, Verizon Wireless 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,

John Coleman

_____

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Attachments
cc: Mark H. Fiorentino, First Selectman – Chief Elected Official
Joel Skilton – Zoning Enforcement Officer - as P&Z official
Tower Meadow LLC - property owner

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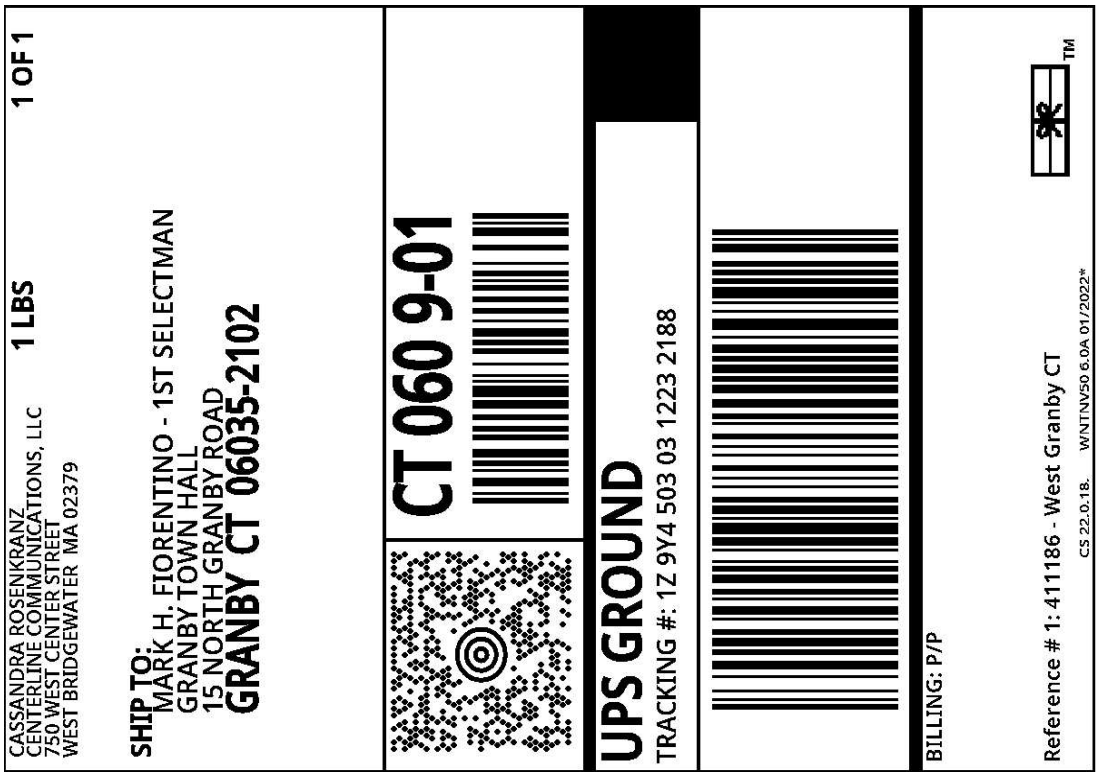

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Ship To:	Mark H. Fiorentino - 1st Selectman Granby Town Hall 15 North Granby Road GRANBY, CT 060352102 US
UPS Service:	UPS GROUND
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Reference Number 1:	411186 - West Granby CT

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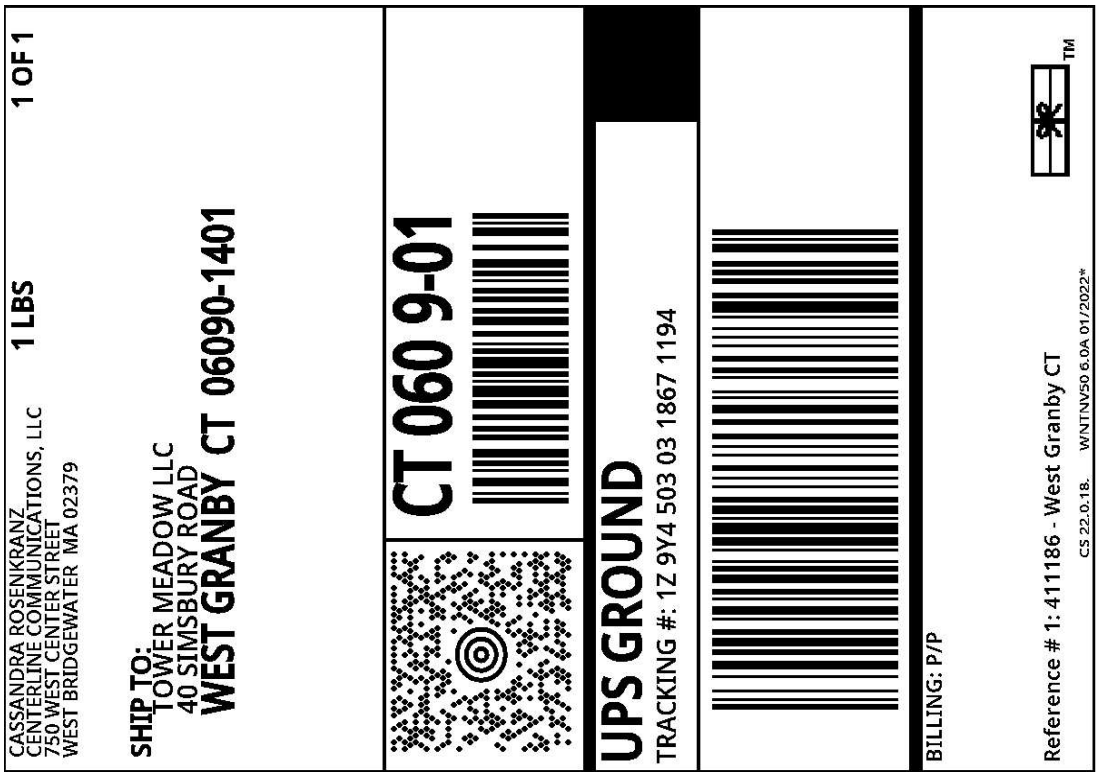

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Weight:	1.0 LBS
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DOCKET NO. 263 – AT&T Wireless PCS, LLC d/b/a AT&T Wireless application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of two telecommunications facilities in the West Granby section of the Town of Granby, Connecticut.	}	Connecticut Siting Council

December 22, 2003

Findings of Fact:
Granby Site CT-812

Introduction

1. Pursuant to Chapter 277a, Sections 16-50g et seq. of the Connecticut General Statutes (CGS), as amended, and Section 16-50j-1 et. seq. of the Regulations of Connecticut State Agencies (RCSA), AT&T Wireless PCS, LLC d/b/a AT&T Wireless (AT&T) applied to the Connecticut Siting Council (Council) on July 1, 2003 for the construction, operation, and maintenance of two telecommunications facilities to be located in the West Granby section of the Town of Granby, Connecticut. (AT&T 1, p. 1)

2. AT&T Wireless PCS, LLC d/b/a AT&T Wireless, is a Delaware limited liability company with an office at 12 Omega Drive, Stamford, Connecticut. The company's member corporation, AT&T Wireless PCS, Inc. is licensed by the Federal Communications Commission (FCC) to construct and operate a personal wireless services system within the meaning of CGS Section 16-50(a)(6). (AT&T 1, p. 4)

3. In this proceeding, AT&T proposed two telecommunications facilities each of which had two alternative sites. The two proposed facilities were identified as CT-810 and CT-812. The CT-810 facility is proposed for a property on Higley Road that contains both alternative sites (See Docket 263 Findings of Fact: Granby Site CT-810). The CT-812 facility would be at one of two sites proposed in the vicinity of Route 20 and Day Street. (AT&T 1, p. 2)

4. The party in this proceeding is the applicant. (Transcript, October 8, 2003, 3:00 p.m. [Tr. 1], p. 5)

5. Pursuant to CGS § 16-50*l*(b), notice of AT&T's intent to submit this application was published on June 26 and June 27, 2003 in the Hartford Courant. (AT&T 2, Response 1)

6. In accordance with CGS § 16-50*l*(b), AT&T sent notices of its intent to file an application with the Council to each person appearing of record as owner of property abutting the properties on which the two proposed CT-812 sites are located. Certificates of service were returned from all abutting property owners. (AT&T 1, p. 5; Attachment 13; AT&T 2, Response 3)

7. Pursuant to CGS § 16-50*l*(b), AT&T sent copies of its application in July 1, 2003 to the following municipal, regional, state, and federal agencies and officials: Connecticut Attorney General; Department of Environmental Protection; Department of Public Health; Council on Environmental Quality; Department of Public Utility Control; of Policy and Management; Department of Economic and Community Development; Department of Transportation; Capitol Region Council of Governments; Thomas J. Herlihy, State Senator from the 8th Senatorial District; Richard F. Ferrari, State Representative from the 62rd Assembly District; Federal Aviation Administration; Federal Communications Commission; William J. Simanski, Town of Granby First Selectman; Paula H. Johnson, Granby Planning and Zoning Commission Chairman; J. Holden Camp, Jr., Granby Zoning Board of Appeals Chairman; Charles J. Katan, Granby Inland Wetlands Commission Chairman; Natica G. Jones, Granby Conservation Commission Chairman. (AT&T 1, p. 5; Attachment 11)

8. Pursuant to CGS § 16-50*l*, the Council solicited comments on AT&T's application from the following state departments and agencies: Department of Environmental Protection (DEP), Department of Public Health, Council on Environmental Quality, Department of Public Utility Control, Office of Policy and Management, Department of Economic and Community Development, and the Department of Transportation. The Council's letter requesting comments was sent on July 25, 2003. (CSC Hearing Package dated July 25, 2003)

9. Of the state agencies and departments whose comments were solicited, the Department of Transportation and the Department of Environmental Protection responded. (Facsimile Transmission received from Connecticut Department of Transportation, August 5, 2003; DEP letter dated October 3, 2003)

10. Other than the Department of Transportation and the Department of Environmental Protection, no state agencies responded to the Council's solicitation of comments.

11. The Connecticut Department of Transportation stated that AT&T's proposed facilities were not expected to be detrimental to its planning program. (Facsimile Transmission received from Connecticut Department of Transportation, August 5, 2003)

12. Pursuant to CGS § 16-50*m*, the Council, after giving due notice thereof, held a public hearing on October 8, 2003, beginning at 3:00 p.m. and continuing at 7:00 p.m. in Granby, Connecticut. (Tr. 1, p. 3 ff.)

13. During the field review of the proposed sites held on October 8, 2003, the applicant flew balloons to simulate the height of the proposed tower at each of the respective candidate sites. Balloons were flown from 12:00 to 6:00 pm. Wind conditions were gusty and prevented the balloons from flying to their full proposed heights for much of the time they were flown. The balloons did reach their full heights between gusts. (Tr. 1, pp. 17-18)

Public Need for Service

14. The Telecommunications Act of 1996, a Federal law passed by the United States Congress, prohibits any state or local agency from regulating telecommunications towers on the basis of the environmental effects of radio frequency emissions to the extent that such towers and equipment comply with FCC's regulations concerning such emissions. This Act also blocks the Council from prohibiting or acting with the effect of prohibiting the provision of personal wireless service. (Telecommunications Act of 1996; Tr. 1, p. 4)

15. The Telecommunications Act of 1996 prohibits local and state bodies from discriminating among providers of functionally equivalent services. (Telecommunications Act of 1996)

16. In passing the Telecommunications Act of 1996, the U.S. Congress, in part, sought to "provide for a competitive, deregulatory national policy framework designed to accelerate rapidly private sector deployment of advanced telecommunications and information technologies to all Americans." (AT&T 1, p. 5)

17. According to section 16-50aa of the Connecticut General Statutes, the "sharing of towers for fair consideration whenever technically, legally, environmentally and economically feasible, and whenever such sharing meets public safety concerns, will avoid the unnecessary proliferation of towers and is in the public interest." (Connecticut General Statutes §16-50aa)

18. The FCC formally issued licenses to AT&T to provide personal communications services (PCS) for the Hartford Basic Trading Area, which includes Hartford County, in June of 1997. The facilities AT&T proposes to develop in this application would be integral components of AT&T's network in the areas it is licensed to serve by the FCC. (AT&T 1, pp. 6, Attachment 14)

19. Congress enacted the Wireless Communications and Public Safety Act of 1999 (the "911 Act). The purpose of this legislation was to promote public safety through the deployment of a seamless, nationwide emergency communications infrastructure that includes wireless communications services. In passing the 911 Act, Congress found that the establishment of a network that provided for the rapid, efficient deployment of emergency services would result in many public benefits, including faster delivery of emergency care with reduced fatalities and severity of injuries and improved service in rural areas. (AT&T 1, pp. 7-8)

20. As part of the 911 Act, the FCC mandated wireless carriers, such as AT&T, to provide enhanced 911 services (E911), which would allow 911 public safety dispatchers to identify a wireless caller's geographical location within several hundred feet. AT&T's proposed facility would be an integral component of AT&T's E911 services in Granby. (AT&T 1, p. 8)

21. At the time of application, AT&T had coverage gaps in its network in the West Granby section of Granby, specifically along Route 20 and adjacent areas in this portion of Hartford County. (AT&T 1, pp. 6-7)

22. At the time of application, AT&T's signal strength in the vicinity of the proposed CT-812 Site A and Site B was at an unacceptable level. (AT&T 2, Response 4)

23. AT&T's closest site (identified as CT-294; Granby Police Department) to the east of its proposed site CT-812, experiences a daily average of 19.4% dropped calls. AT&T's service objective is to experience no more than 2% dropped calls. AT&T's statistics do not account for the number of failed call attempts that originate from the no-service area that CT-812 would cover. (AT&T 2, Response 5)

24. If the Town of Granby had a need to use the proposed towers for municipal antennas it could do so at no charge. (Tr. 1, p. 18)

Service Design

25. At CT-812, AT&T would install a three-sector configuration with a maximum of twelve channels for the site. Initially AT&T would install a total of six panel antennas — two antennas per sector. (AT&T 2, Response 13)

26. The minimum height AT&T would require to meet its coverage objectives at CT-812 is 150 feet. The additional height (20 feet) of the proposed towers is to accommodate Verizon's desired use of the site at 160 feet AGL and to allow AT&T to be at the top of the tower at 170 feet. (Tr. 1, p. 16, p. 36 ff.)

27. The minimum signal strength needed to meet AT&T's coverage objectives in the areas of CT-812 is –85 dBm. (AT&T 2, Response 10)

28. AT&T's proposed facility CT-812 would hand off traffic to its site identified as CT-294, located at the Granby Police Department at 15 North Granby Street, to the east, and to the other facility proposed as part of this Docket and identified as CT-810 to the west. (AT&T 2, Response 9)

29. Each of the two proposed alternative sites, Site A and Site B, for CT-812 would cover approximately two miles along Route 20. (AT&T 2, Response 15)

30. CT-812 Site A at 170 feet would have slightly better coverage than Site B at 170 feet. (Tr. 1, p. 85)

31. Micro cells and/or repeaters are not viable technological alternatives for providing coverage for the area AT&T seeks to cover. Micro cells and repeaters are low power and used mainly for small "hole-filling" applications. Numerous micro cells would be needed to fill AT&T's coverage gap. Repeaters also require line-of-sight access to on-air "donor" facilities and provide no added capacity in a network. AT&T's network could not support repeaters because it has no existing donor sites in this area. (AT&T 2, Response 6)

32. Verizon has a long-term interest in using CT-812 at either of the proposed sites if this facility is approved. (AT&T 1, p. 3)

Municipal Consultation

33. On November 26, 2002, AT&T submitted a letter and a technical report to the First Selectman of the Town of Granby. The letter introduced AT&T's plans for Site A of the CT-812 facility in Granby and invited town officials to discuss any comments or questions about the facility with AT&T. The technical report explained specifics about the site under consideration, the site selection process, and the likely environmental effects of the proposed facility. (AT&T 1, p. 25)

34. On April 9, 2003, AT&T submitted a letter and technical report to the Granby First Selectman for Site B of CT-812. (AT&T 1, p. 25)

35. On April 22, 2003, the Granby Planning and Zoning Commission reviewed the proposals for the two CT-812 sites and did not voice a preference for either of the two proposed alternative locations. (AT&T 1, p. 25, Attachment 10)

Site Search

36. For CT-812, AT&T established a search ring with a radius of approximately .5 mile in the vicinity of Route 20. This search ring was centered at latitude 41° 57' 28.44" N and longitude 72° 50' 8.88" W. (AT&T 1, Attachment 4)

37. During its site search AT&T identified only one existing communications tower within approximately two miles of its CT-812 search ring. The tower is located at the Granby Police Department and is being used by AT&T as one of its sites. (AT&T 1, Attachment 4)

38. AT&T considered eleven different properties as potential locations for its CT-812 facility. The addresses of these properties and the final determination of their suitability are listed below.

    1. 8 Upper Meadow Road. This property is the proposed Site A location.

    2. 10 Day Street South. This property is the proposed Site B location.

    3. Lost Acres Fire Department, 246 West Granby Road. The Fire Department was not interested in making its property available for a tower location.

    4. 173R West Granby Road. This property was not considered due to inconsistencies concerning ownership.

    5. 197 West Granby Road. The property owner stated that access to the rear of this property would be difficult. AT&T was still investigating this site at the time of application.

    6. Town of Granby/Holcomb Farm, Day Street. Town of Granby is not interested in making space for a tower site available on this property.

7. 185R West Granby Road. This property owner was not interested in making space available for a tower site.

8. 166 West Granby Road. The property owners were not interested in making space available for a tower site.

9. 170 West Granby Road. The property owner was not interested in making space available for a tower site.

10. 60 Broad Hill Road. This property is part of the McLean Refuge conservation properties; therefore AT&T did not pursue lease possibilities.

11. Haleview Drive. One person owns several properties on this street and is not interested in making space available for a tower site.
(AT&T 1, Attachment 4)

Project Description

39. AT&T submitted two alternative locations for its CT-812 facility identified, respectively, as Site A and Site B. AT&T's two alternative sites are on different properties. Site A is located at 8 Upper Meadow Road (formerly 207 West Granby Road). Site B is located at 10 Day Street South. (AT&T 1, pp. 1-2)

40. AT&T's would build a monopole in accordance with Electronic Industries Association Standard EIA/TIA-222-E "Structural Standards for Steel Antenna Towers and Antenna Support Structures" for its CT-812 facility. (AT&T 1, Attachments 5, 6, 7, 8)

41. For each proposed alternative site, AT&T utilized the FCC's TOWAIR program to determine if the sites would require registration with the Federal Air Administration (FAA). The program results indicated that neither location would require FAA registration or FAA lighting or marking. (AT&T 1, p. 26)

42. The CT-812 facility would be equipped with an eight-hour battery back-up system. AT&T could bring in a portable diesel generator in the case of long-term power outages. (AT&T 2, Response 21)

43. Verizon Wireless has expressed interest in using a tower at the CT-812 site for its coverage needs. To support its antennas, Verizon would place its ground equipment in a 12-foot by 30-foot shelter. It would also have a diesel generator in the shelter to provide power in the case of a power outage. The generator would be equipped with UL approved belly tanks with leak detection. (Tr. 1, p. 66 ff.)

Proposed Site CT-812 A

44. The property on which CT-812 Site A is located is owned by Elaine J. Girard and comprises 5.8 acres. This property is part of a recently approved three lot residential subdivision. It is located in an R2A zoning district in which wireless telecommunication facilities are allowed as a Special Permit use. (AT&T 1, Attachment 7, p. 3; AT&T 2, Town of Granby Zoning Regulations, p. 96 ff.)

45. At Site A, AT&T would lease a 100-foot by 100-foot parcel in the northern section of the property on which it would construct a 170-foot tall monopole tower capable of supporting up to five other carriers. AT&T would install up to 12 panel antennas on a platform at the top of the proposed tower. Verizon would install up to 12 panel antennas at the 160-foot level of the tower. The compound for associated ground equipment would be 80 feet by 80 feet and would be enclosed by an 8-foot tall security fence. AT&T's ground equipment would consist of equipment cabinets on a concrete pad. (AT&T 1, p. 13)

46. The monopole tower at Site A would be constructed at latitude 41° 57' 12.08" N and longitude 72° 49' 47.43 W. The ground elevation at the base of the tower would be 441 feet AMSL. (AT&T 1, Attachment 7)

47. The tower setback radius at Site A would encompass portions of three adjacent properties. (AT&T 1, Attachment 7 – Site Access Map)

48. AT&T would be willing to design a yield point in its tower that would effectively reduce its setback radius. (AT&T 2, Response 19)

49. The tower at Site A could be relocated approximately 20 to 25 feet in a southerly or southeasterly direction within the proposed lease area to decrease the amount of area of the abutting property to the north that would be encompassed by the setback radius. (Tr. 1, p. 49)

50. AT&T's equipment compound at Site A would be surrounded by evergreen plantings. (AT&T 1, p. 13)

51. Vehicular access to Site A would extend from Upper Meadow Road along a new gravel drive a distance of approximately 98 feet to the proposed equipment compound. (AT&T 1, p. 13)

52. Utility connections for Site A would extend underground from Upper Meadow Road and would generally follow the gravel access drive. (AT&T 1, p. 13)

53. The closest residence to Site A is 518 feet away on property owned by Steven and Andrea Galuska. (AT&T 1, Attachment 7)

54. There are approximately 12 residences located within 1,000 feet of this proposed site. (AT&T 1, p. 18)

55. The estimated construction cost for Site A is as follows:

Electronic equipment costs	$ 90,000
Tower and antenna costs	152,000
Site development costs	68,000
Total costs	$310,000

(AT&T 1, p. 27)

Proposed Site CT-812 B

56. The property at 10 Day Street South on which CT-812 Site B is located is owned by Charles A. Warren, Jr. and comprises 9.47 acres in a R2A zoning district. (AT&T 1, p. 15, Attachment 8)

57. AT&T would lease a 100-foot by 100-foot parcel in the center of the property and construct a 170-foot tall monopole tower capable of supporting up to five additional carriers at Site B. AT&T would install up to 12 panel antennas at the top of the tower, and Verizon would install up to 12 panel antennas at the 160-foot level. AT&T would develop an 80-foot by 80-foot compound for associated ground equipment within which AT&T would install equipment cabinets on a concrete pad. The compound would be enclosed by an 8-foot tall chain link security fence. (AT&T 1, pp. 14-15)

58. The tower at Site B would be located at latitude 41° 57' 12.98" N and longitude 72° 49' 58.67" W. The ground elevation at the base of the tower would be 428 feet AMSL. (AT&T 1, Attachment 8)

59. The tower setback radius at Site B would encompass a small portion of an adjacent property. (AT&T 1, Attachment 8 – Site Access Map)

60. The property owner would be willing to allow AT&T to relocate the tower location to keep the setback radius within his property. (Tr. 2, pp. 14-15)

61. AT&T would be willing to design a yield point into the tower to effectively reduce the tower setback radius. (AT&T 2, Response 19)

62. Vehicular access to Site B would extend from Day Street South along an existing paved driveway for a distance of approximately 250 feet and then along a new 12-foot wide gravel drive approximately 435 feet to the equipment compound. (AT&T 1, p. 15)

63. Utility connections to Site B would extend underground from Day Street South and generally follow the access drive to the proposed compound. (AT&T 1, p. 15)

64. The closest residence to Site B is 485 feet away and is owned by the property owner, Charles Warren. There are approximately 20 residences within 1,000 feet of the proposed facility. (AT&T 1, p. 18)

65. The estimated construction costs for Site B are:

Electronic equipment costs	$126,500
Tower and antenna costs	152,000
Site development costs	195,500
Total costs	$474,000

(AT&T 1, p. 27)

Environmental Considerations

66. During construction of CT-812, AT&T would establish and maintain soil erosion control measures and other best management practices in accordance with the Connecticut Soil Erosion Control Guidelines, as established by the Council of Soil and Water Conservation. (AT&T 1, pp. 24-25)

67. There are no National Parks, National Forests, National Parkways or Scenic Rivers, State Designated Scenic Rivers, or State Gamelands located in the vicinity of CT-812. (AT&T 1, p. 17)

68. Based on the assumption that antennas mounted on the proposed facility were pointed at the base of the respective towers and all channels were operating simultaneously, the power density for CT-812 Site A or Site B was calculated to be 0.142667 mW/cm^2 or 14.27% of the FCC standard for maximum permissible exposure for AT&T and Verizon antennas. (AT&T 1, p. 19)

69. The boundaries of the West Granby Historic District would be approximately 570 feet from CT-812 Site A and 404 feet from CT-812 Site B. (AT&T 2, Response 20)

70. The proposed CT-812 Site A is located on a level, wooded portion of a subdivision lot that supports white birch, hickory, tupelo, red oak, and mountain laurel. (DEP letter dated October 3, 2003)

71. A watercourse flows just off the northeast corner and northern boundary of CT-812 Site A and leads to a crossing under Upper Meadow Road. (DEP letter dated October 3, 2003)

72. The proposed CT-812 Site B is located in a wooded area with a mix of red oak, chestnut oak, white oak, tupelo, and mountain laurel. (DEP letter dated October 3, 2003)

73. The access road to the proposed CT-812 Site B could not avoid crossing a wetlands area without leaving the lessor's property. (DEP letter dated October 3, 2003)

74. A facility at CT-812 Site A would be within 25 feet of a designated wetland. (AT&T 1, Attachment 7 – Site Access Map)

75. The 12-foot wide gravel access drive to CT-812 Site B would have to cross a wetlands area for a distance of 70 feet. (AT&T 1, p. 24; Attachment 8 – Site Access Map)

76. A 75-foot trench would have to be dug through the wetlands to provide underground utilities to CT-812 Site B. The finished grade of the trench would match adjoining grades and would be replanted to match the surrounding area. (AT&T 2, Response 18)

77. Approximately 1,600 square feet of wetlands would be impacted by developing CT-812 Site B. This could be reduced to approximately 1,000 square feet by installing the utilities underneath the access drive. (Tr. 1, pp. 45-46)

78. No blasting would be anticipated at either of the proposed sites. (AT&T 2, Response 14)

79. Developing a facility and access road would require the removal of the following number of trees with diameters greater than 12 inches at breast height (dbh) at each of the respective sites:

    At CT-812 Site A – 15 trees
    At CT-812 Site B – 31 trees
    (AT&T 2, Response 16; Tr. 1, p. 15)

80. There are no known extant populations of Federal or State Endangered, Threatened or Special Concerns species that occur in the vicinity of the two possible sites proposed by AT&T for CT-812. (AT&T 1, Attachment 9)

81. Neither Site A nor Site B proposed for CT-812 would have any effect on Connecticut's cultural resources. (AT&T 1, Attachment 9)

82. The closest airport to any of the proposed sites is located in Simsbury approximately 3.3 miles from CT-812's proposed Site A. (AT&T 1, Attachments 5, 6, 7, 8)

Visibility

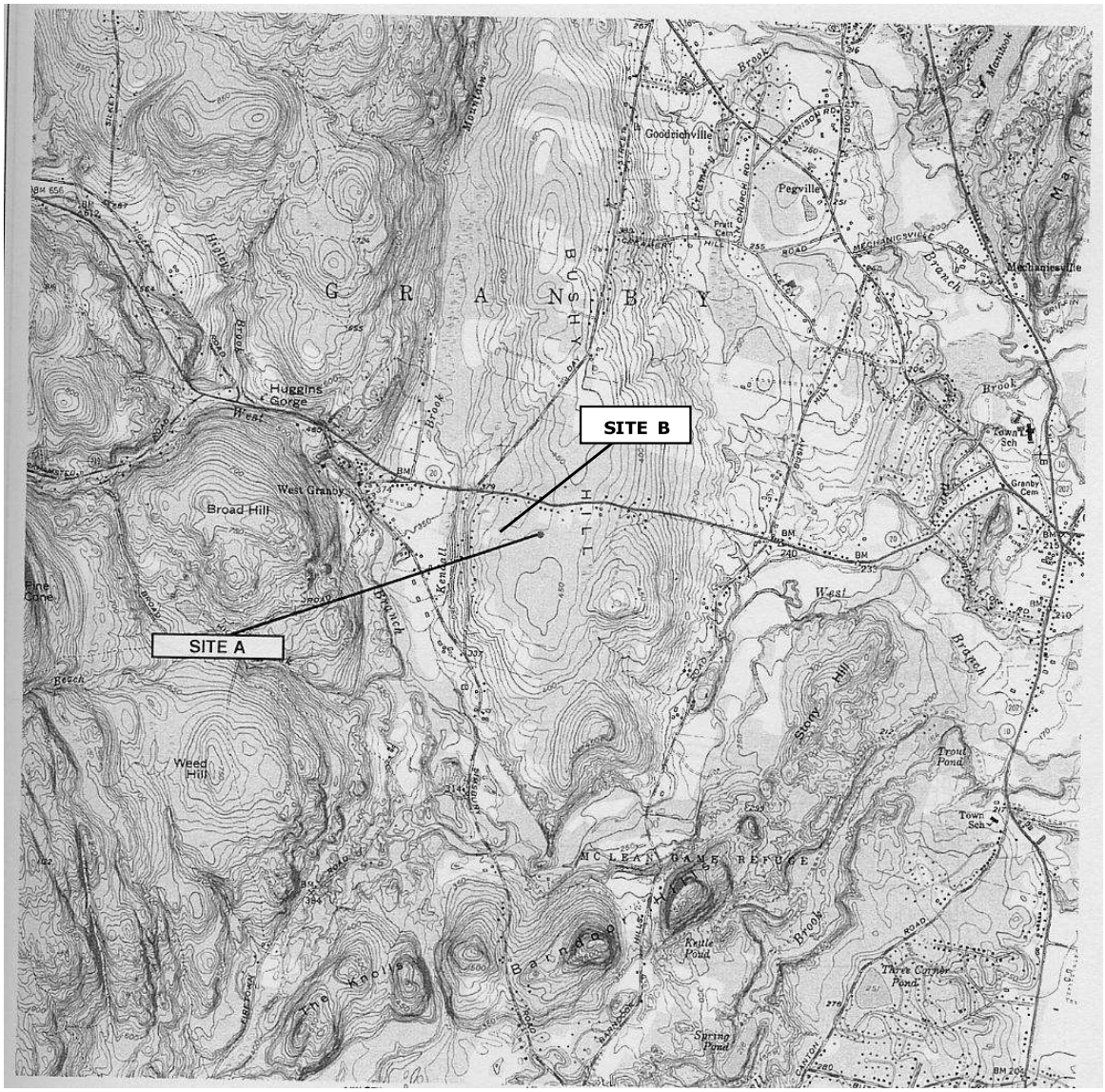
83. The balloon simulation indicates that CT-812 Site B would be more visible in the local area than CT-812 Site A. (DEP letter dated October 3, 2003)

84. A tower at CT-812 Site A or B would be visible from portions of Route 20 and Day Street and the top of Barndoor Hill. (AT&T 1, pp. 17-18)

85. The proposed tower at CT-812 Site A would be obscured from view from most locations within the West Granby Historic District. The top of the proposed tower at Site B would be visible from certain locations within the West Granby Historic District. (AT&T pp. 17-18; Tr. 1, p. 24)

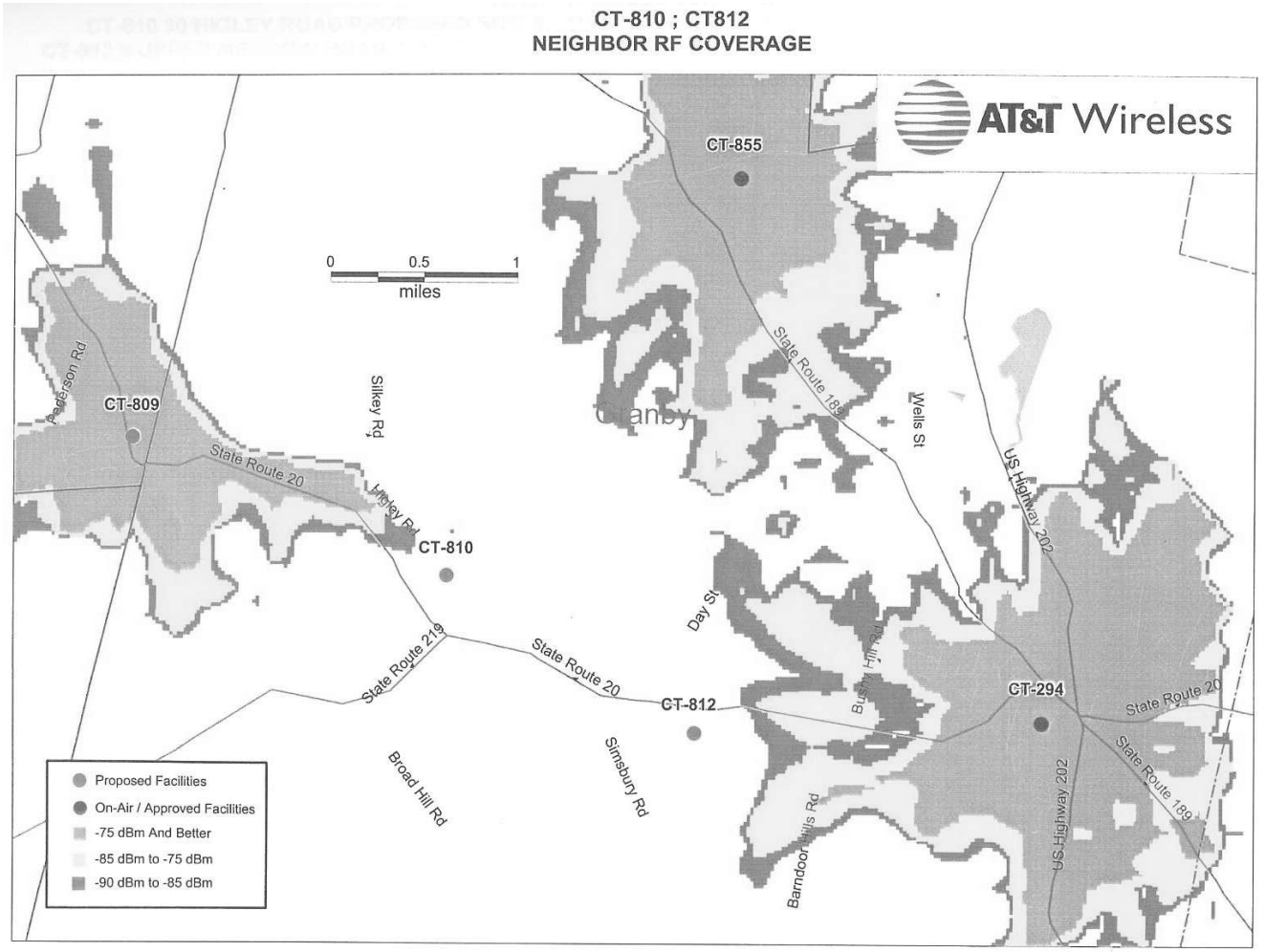
86. CT-812 Site B would be visible from more surrounding locations than CT-812 Site A. (Tr. 1, p. 54 ff.)

Map 1
CT-812 Location Map



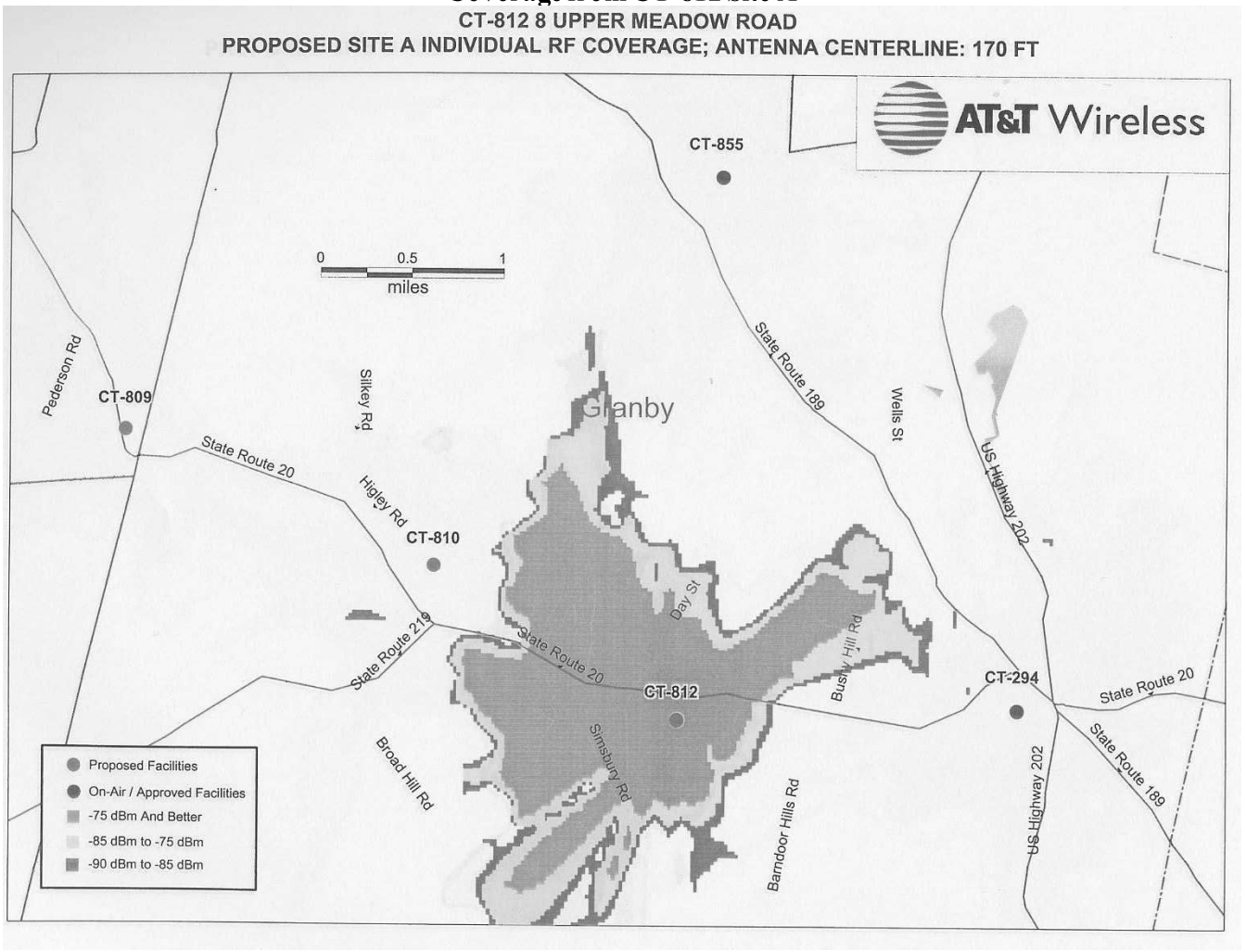
(AT&T 1, Attachment 7)

Map 2
Existing Coverage



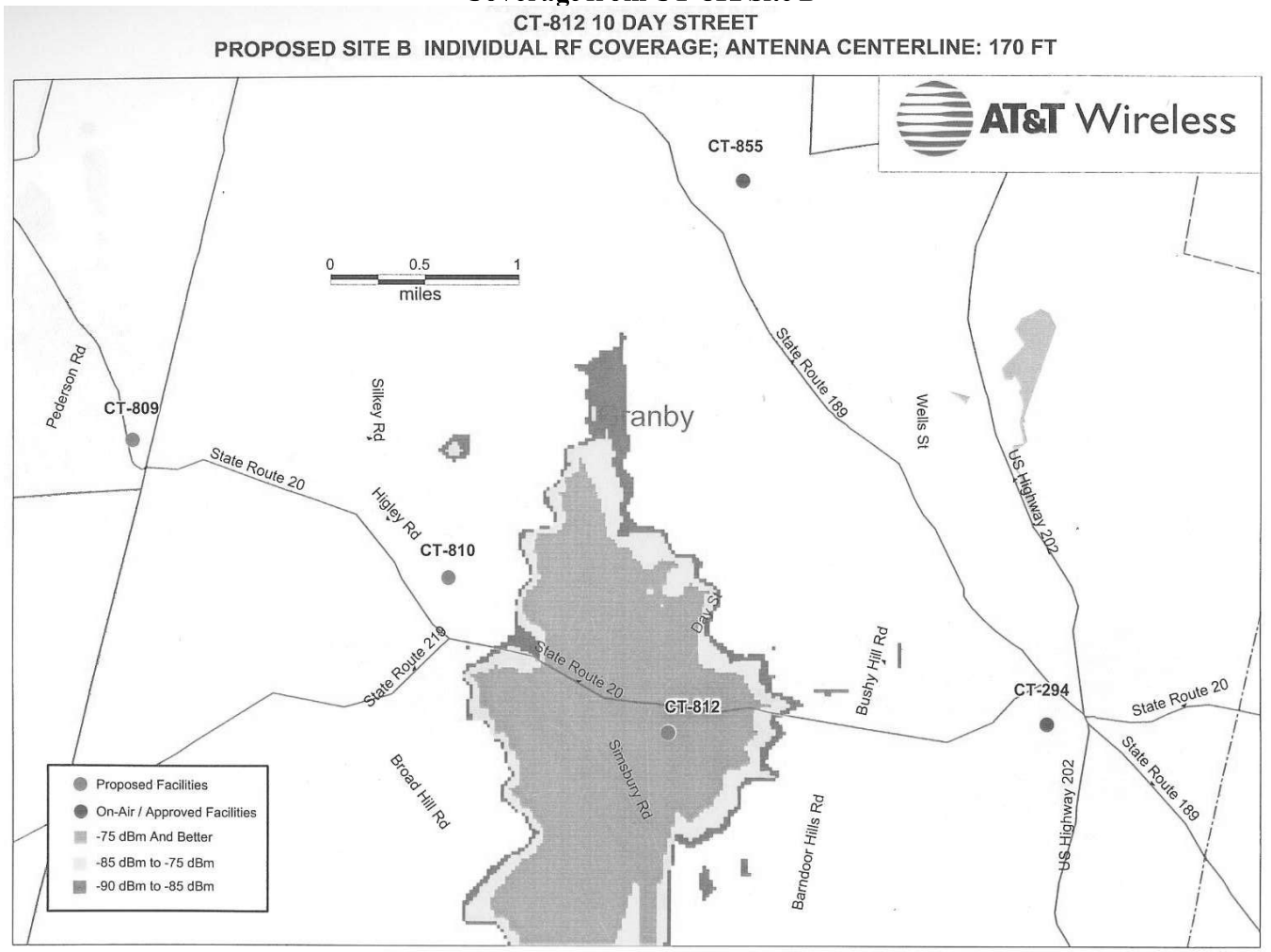
(AT&T 1, Attachment 3)

Map 3
Coverage from CT-812 Site A



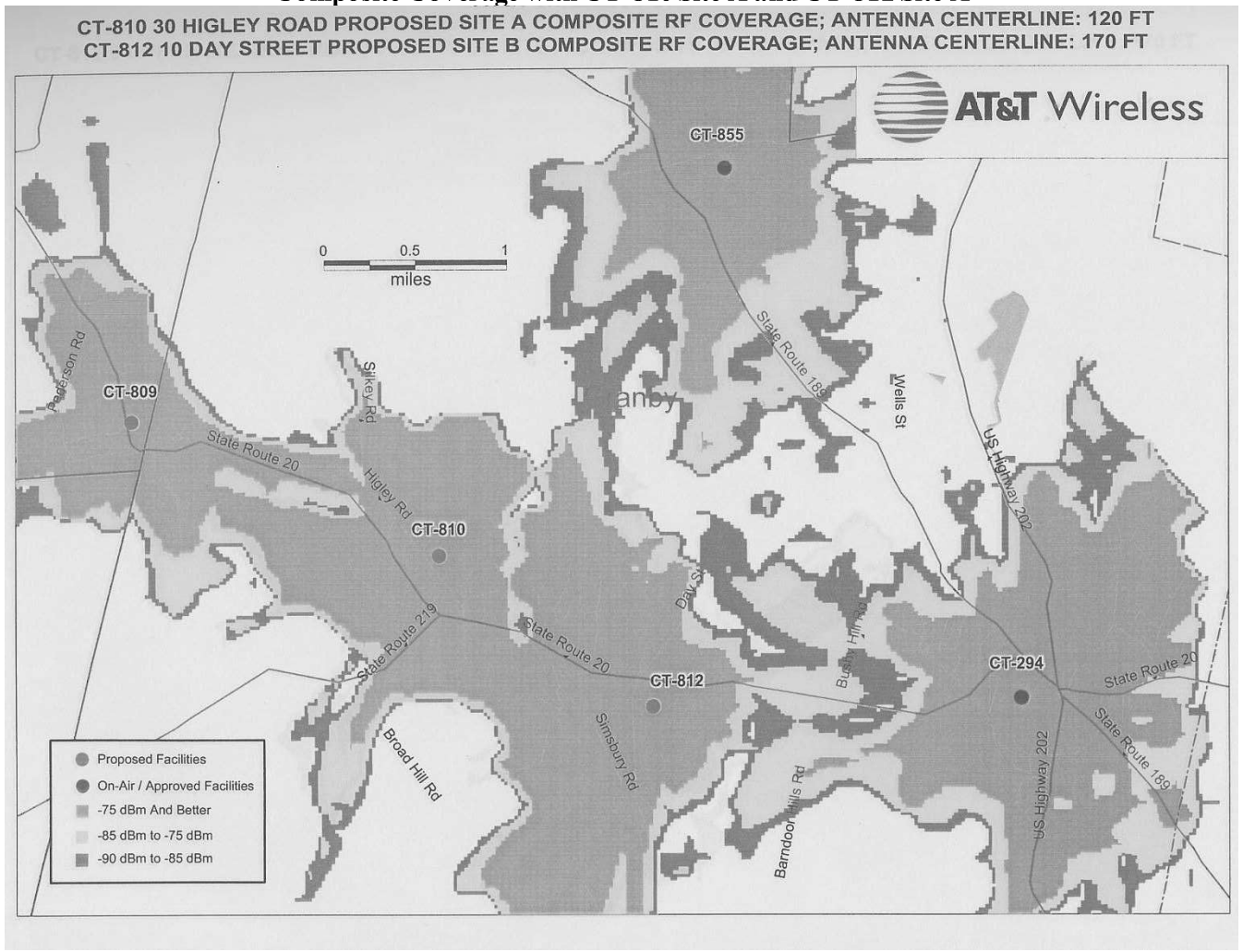
(AT&T 1, Attachment 3)

Map 4
Coverage from CT-812 Site B



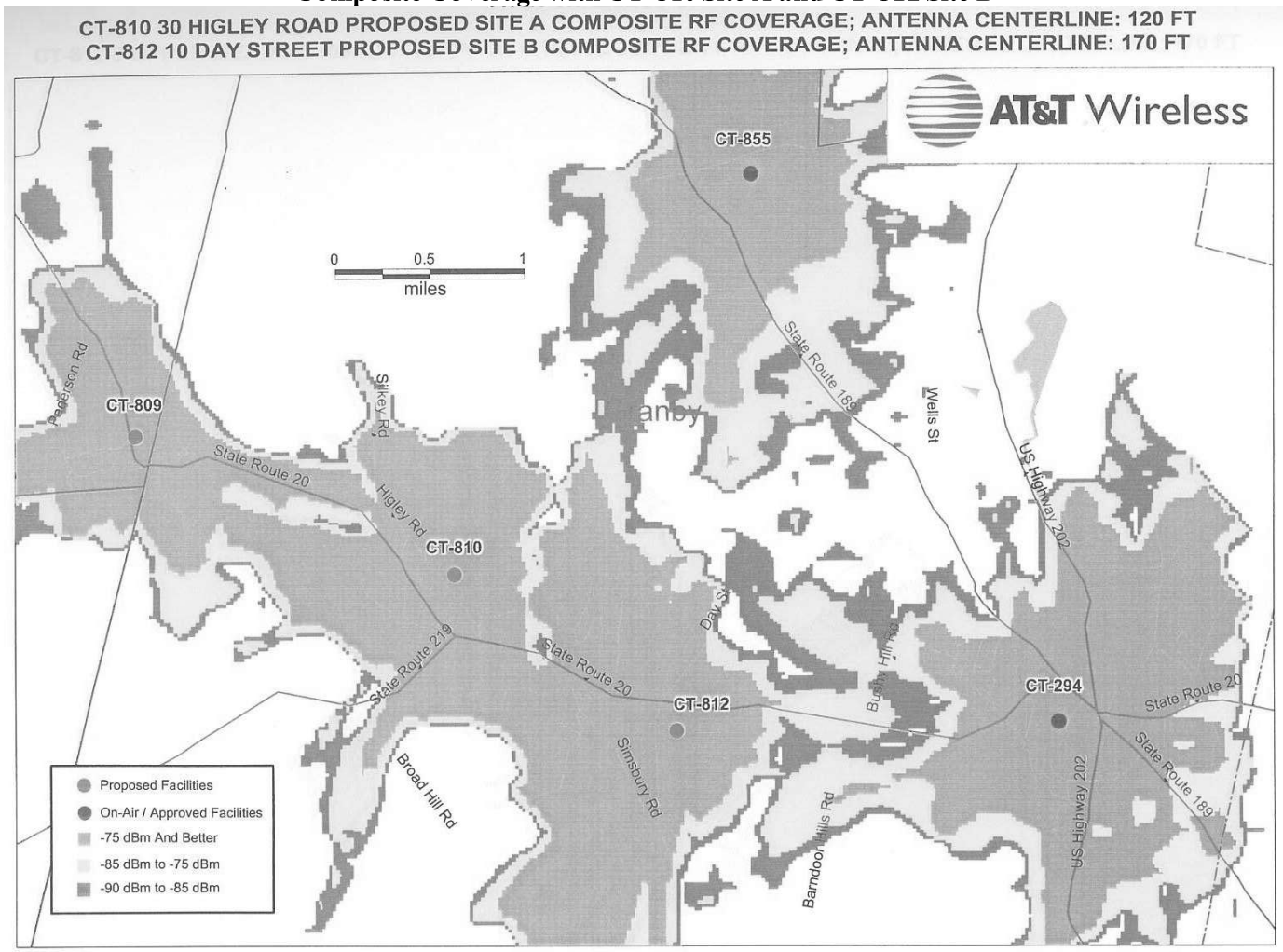
(AT&T 1, Attachment 3)

Map 5
Composite Coverage with CT-810 Site A and CT-812 Site A



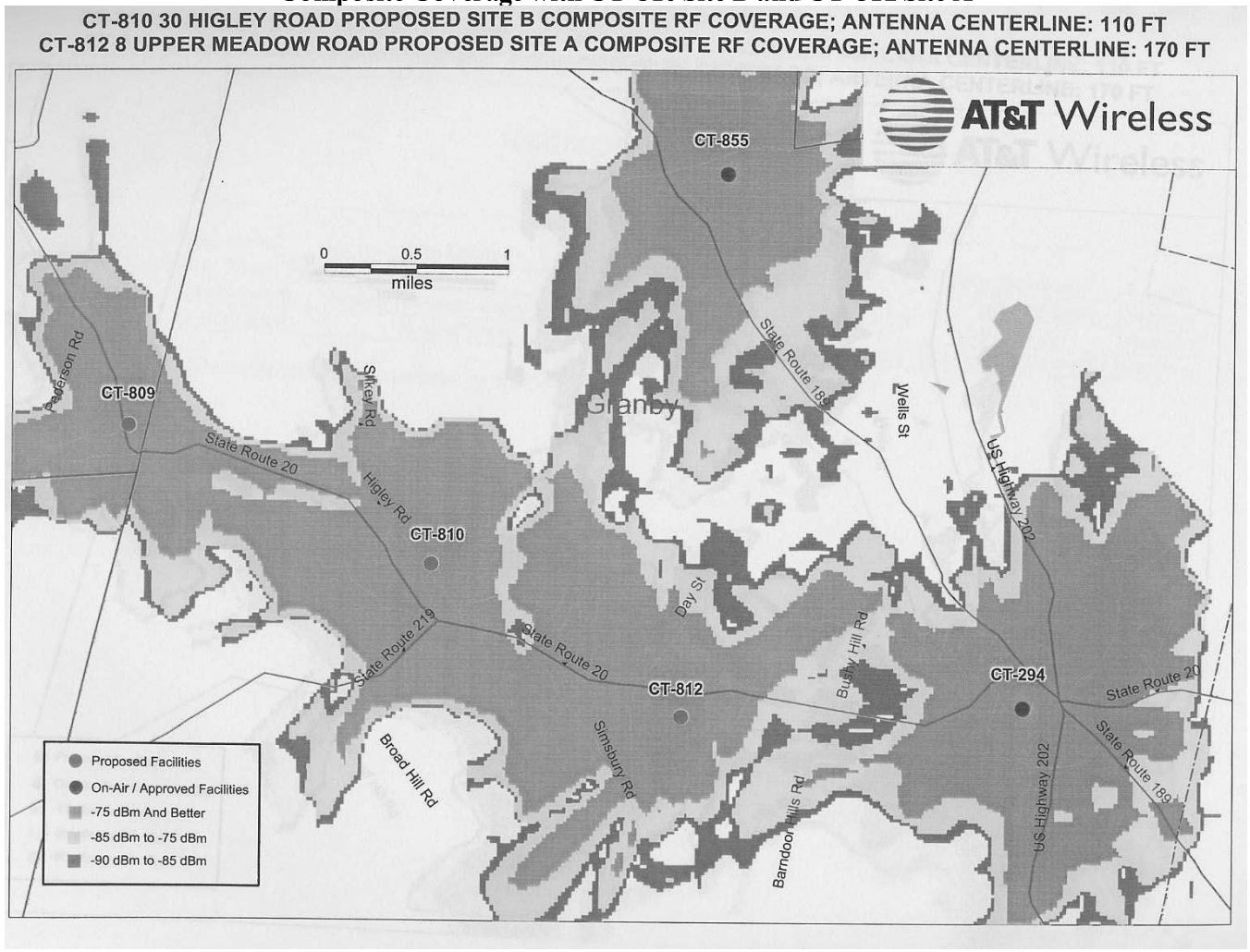
(AT&T 1, Attachment 3)

Map 6
Composite Coverage with CT-810 Site A and CT-812 Site B



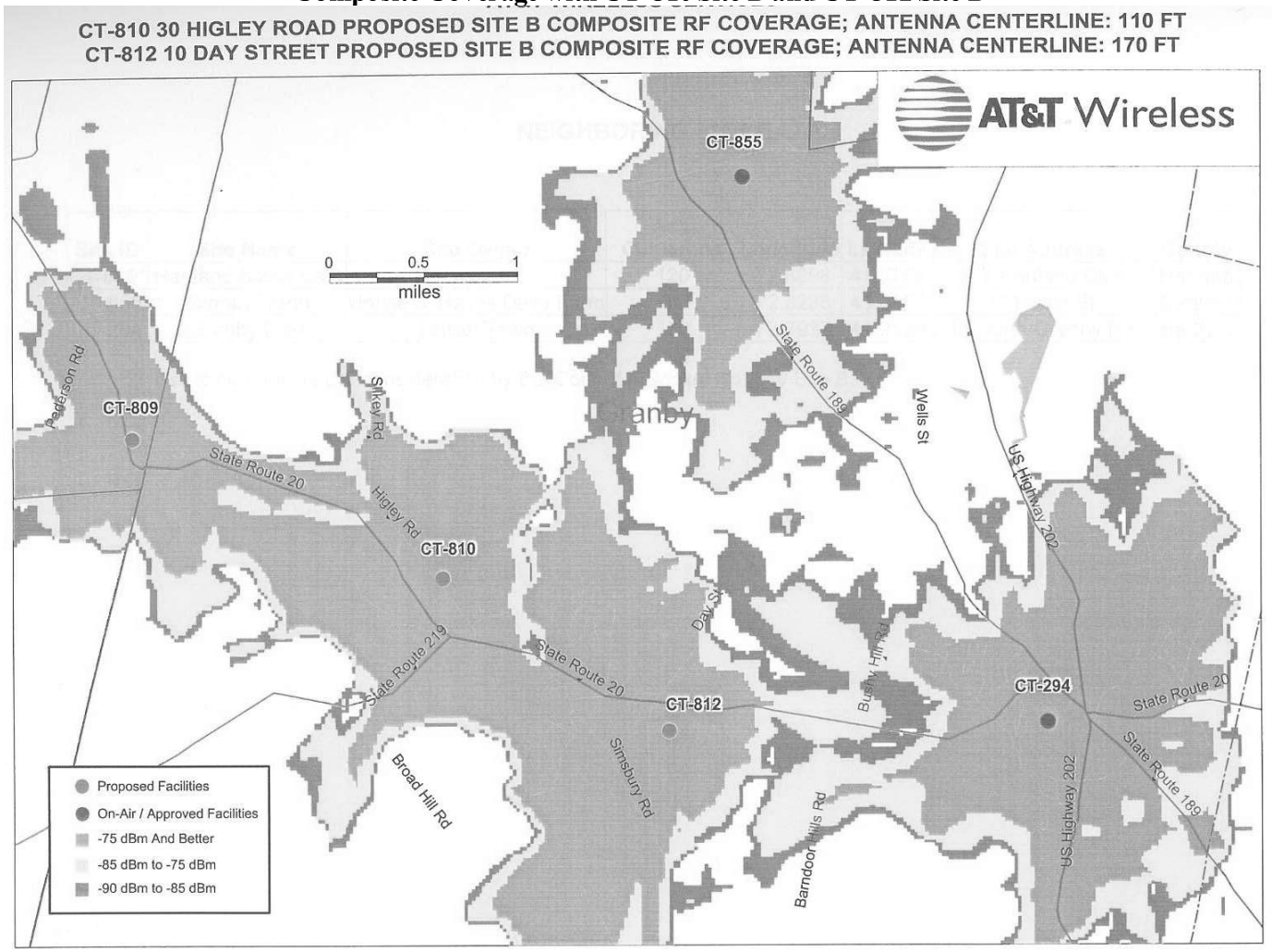
(AT&T 1, Attachment 3)

Map 7
Composite Coverage with CT-810 Site B and CT-812 Site A



(AT&T 1, Attachment 3)

Map 8
Composite Coverage with CT-810 Site B and CT-812 Site B



(AT&T 1, Attachment 3)

AMERICAN TOWER®
CORPORATION

Structural Analysis Report

Structure	:	**151 ft Monopole**
ATC Site Name	:	**West Granby, CT CT,CT**
ATC Site Number	:	**411186**
Engineering Number	:	**13734088_C3_02**
Proposed Carrier	:	**VERIZON WIRELESS**
Carrier Site Name	:	**WEST GRANBY CT**
Carrier Site Number	:	**468847**
Site Location	:	**207 West Granby Road** **Granby, CT 06035** **41.9533, -72.8298**
County	:	**Hartford**
Date	:	**November 18, 2021**
Max Usage	:	**31%**
Result	:	**Pass**

Prepared By:

Paul Bridges, PE
ETS

Reviewed By:

Frederic G. Bost, PE
ETS Job # 21099900.STR.3291

STATE OF CONNECTICUT
FREDERIC BOST
PEN.0029529
LICENSED PROFESSIONAL ENGINEER

11/18/21

Table of Contents

Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 151 ft Monopole to reflect the change in loading by VERIZON WIRELESS.

Supporting Documents

Tower Drawings	EEI Job #14945, dated June 22, 2007
Foundation Drawing	EEI Job #14945, dated June 22, 2007
Geotechnical Report	JGI Project #04109G, dated January 27, 2004

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:	120 mph (3-second gust)
Basic Wind Speed w/ Ice:	50 mph (3-second gust) w/ 1.50" 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
Crest Length (L):	0 ft
Spectral Response:	Ss = 0.17, S_1 = 0.05
Site Class:	D - Stiff Soil - Default

Conclusion

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

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

Existing and Reserved Equipment

Elev.[1] (ft)	Qty	Equipment	Mount Type	Lines	Carrier
150.0	1	VZW Unused Reserve (3383.69 sqin)	Triangular Low Profile Platform	(18) 1 5/8" Coax	VERIZON WIRELESS
134.0	3	Ericsson RRUS 4449 B5, B12	Sector Frame	(2) 0.39" (10mm) Fiber Trunk (4) 0.92" (23.4mm) Cable (2) 2 1/2" conduit	AT&T MOBILITY
	3	Ericsson RRUS 4478 B14			
	3	Ericsson RRUS 8843 B2, B66A			
	3	Ericsson AIR 6449 B77D/ C-Band			
	2	Raycap DC9-48-60-24-8C-EV			
	3	CCI DMP65R-BU8D			
	3	CCI TPA65R-BU8D			
125.0	3	JMA Wireless MX08FRO665-21	Triangular Platform with Handrails	(1) 1.60" (40.6mm) Hybrid	DISH WIRELESS L.L.C.
	3	Fujitsu TA08025-B604			
	1	Commscope RDIDC-9181-PF-48			
	3	Fujitsu TA08025-B605			

Equipment to be Removed

Elev.[1] (ft)	Qty	Equipment	Mount Type	Lines	Carrier
150.0	6	Generic 48" x 4" Panel	-	-	VERIZON WIRELESS
	3	Generic 48" x 12" Panel			
	4	Generic 48" x 12" x 7" Panel			
	2	Generic 48" x 6" Panel			

Proposed Equipment

Elev.[1] (ft)	Qty	Equipment	Mount Type	Lines	Carrier
150.0	3	Samsung RF4440d-13A	Triangular Low Profile Platform	(2) 1 5/8" Hybriflex	VERIZON WIRELESS
	3	Samsung RF4439d-25A			
	2	Raycap RHSDC-3315-PF-48			
	3	Samsung MT6407-77A			
	6	Commscope NHH-65B-R2B			
	2	Antel LPA-80080/6CF ___			
	4	Antel LPA-80063/6CF			

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

[2] Install proposed lines inside the pole shaft.

Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Anchor Bolts	23%	Pass
Shaft	27%	Pass
Base Plate	11%	Pass

Foundations

Reaction Component	Analysis Reactions	% of Usage
Moment (Kips-Ft)	2645.8	31%
Axial (Kips)	63.8	31%
Shear (Kips)	25.4	22%

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, Twist and Sway*

Antenna Elevation (ft)	Antenna	Carrier	Deflection (ft)	Sway (Rotation) (°)
150.0	Samsung RF4440d-13A	VERIZON WIRELESS	0.551	0.380
	Samsung RF4439d-25A			
	Raycap RHSDC-3315-PF-48			
	Antel LPA-80063/6CF			
	Commscope NHH-65B-R2B			
	Antel LPA-80080/6CF ___			
	Samsung MT6407-77A			

***Deflection, Twist 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.

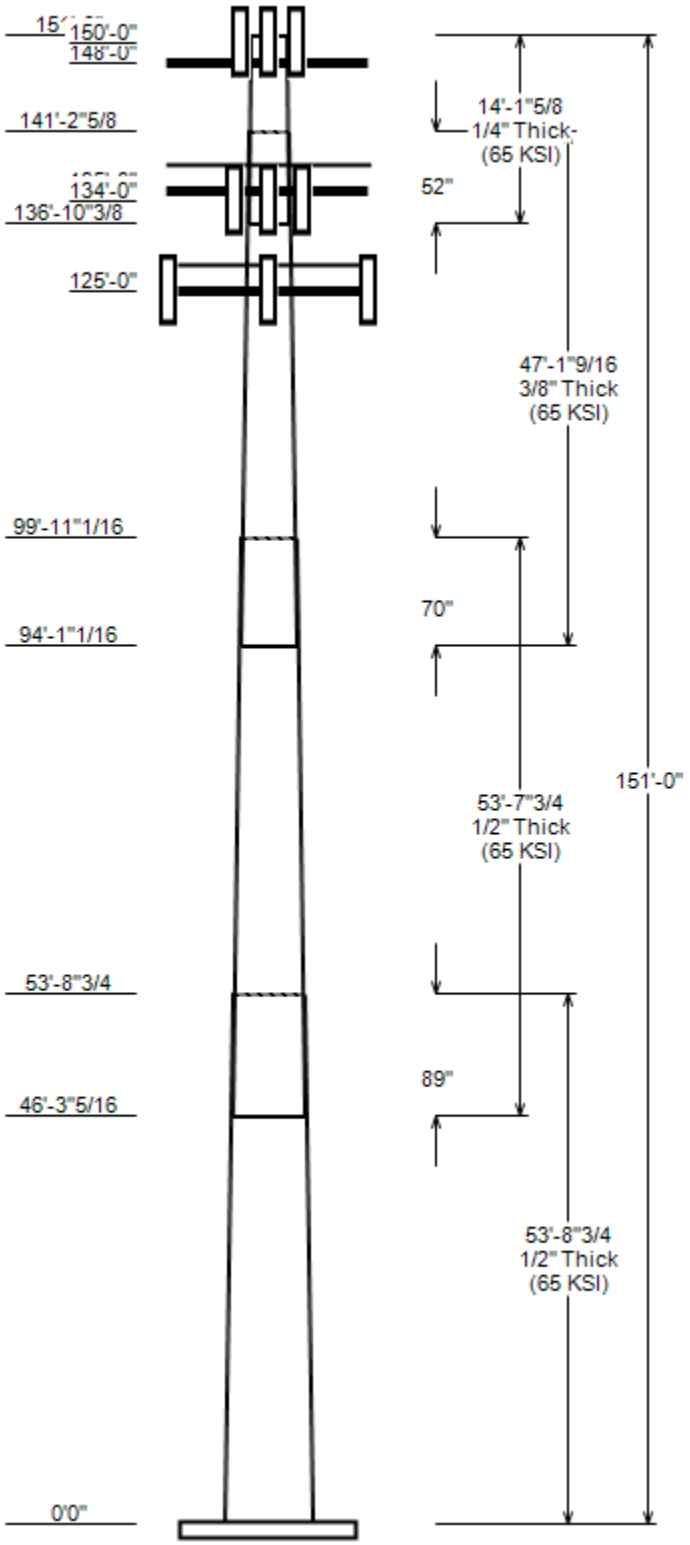
All assets of American Tower Corporation, its affiliates, and subsidiaries (collectively "American Tower") are inspected at regular intervals. Based upon these inspections and in the absence of information to the contrary, American Tower assumes that all structures were constructed in accordance with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

Asset :	411186, West Granby, CT CT	Height :	151 ft
Client :	VERIZON WIRELESS	Base Width :	67.997
Code :	ANSI/TIA-222-H	Shape :	18 Sides



SITE PARAMETERS

Base Elev (ft):	0.00	Structure Class:	II
Taper :	0.28800 (In/ft)	Exposure :	B
Topographic Category :	1	Topographic Feature:	
Topo Method :	Method 1		

SECTION PROPERTIES

Shaft Section	Length (ft)	Diameter (in) Across Flats Top	Diameter (in) Across Flats Bottom	Thick (in)	Joint Type	Overlap Length (in)	Shape	Steel Grade (ksi)
1	53.732	52.51	68.00	0.500		0.000	18 Sides	65
2	53.648	40.20	55.66	0.500	Slip Joint	89.470	18 Sides	65
3	47.130	29.05	42.63	0.375	Slip Joint	70.000	18 Sides	65
4	14.133	26.73	30.80	0.250	Slip Joint	52.250	18 Sides	65

DISCRETE APPURTENANCE

Attach Elev (ft)	Force Elev (ft)	Qty	Description
150.0	150.0	3	Samsung RF4440d-13A
150.0	150.0	3	Samsung RF4439d-25A
150.0	150.0	2	Raycap RHSDC-3315-PF-48
150.0	150.0	3	Samsung MT6407-77A
150.0	150.0	6	Commscope NHH-65B-R2B
150.0	150.0	2	Antel LPA-80080/6CF ___
150.0	150.0	4	Antel LPA-80063/6CF
150.0	150.0	1	VZW Unused Reserve (3383.69 sq
148.0	148.0	1	Generic Flat Low Profile Platf
135.0	135.0	3	Generic Round Sector Frame
134.0	134.0	3	Ericsson RRUS 8843 B2, B66A
134.0	134.0	3	Ericsson RRUS 4478 B14
134.0	134.0	3	Ericsson RRUS 4449 B5, B12
134.0	134.0	3	Ericsson AIR 6449 B77D/ C-Band
134.0	134.0	2	Raycap DC9-48-60-24-8C-EV
134.0	134.0	3	CCI DMP65R-BU8D
134.0	134.0	3	CCI TPA65R-BU8D
125.0	125.0	1	Commscope RDIDC-9181-PF-48
125.0	125.0	3	Fujitsu TA08025-B604
125.0	125.0	3	Fujitsu TA08025-B605
125.0	125.0	3	JMA Wireless MX08FRO665-21
125.0	125.0	1	Generic Flat Platform with Han

LINEAR APPURTENANCE

Elev From (ft)	Elev To (ft)	Description	Exp To Wind
0.0	150.0	1 5/8" Hybriflex	No
0.0	150.0	1 5/8" Coax	No
0.0	134.0	2 1/2" conduit	No
0.0	134.0	0.92" (23.4mm) Cable	No
0.0	134.0	0.39" (10mm) Fiber Trunk	No
0.0	125.0	1.60" (40.6mm) Hybrid	No

LOAD CASES

1.2D + 1.0W Normal	120 mph wind with no ice
0.9D + 1.0W Normal	120 mph wind with no ice
1.2D + 1.0Di + 1.0Wi Nor	50 mph wind with 1.5" radial ice
1.2D + 1.0Ev + 1.0Eh Nor	Seismic
0.9D - 1.0Ev + 1.0Eh Nor	Seismic (Reduced DL)
1.0D + 1.0W Service Norm	60 mph Wind with No Ice

JOB INFORMATION			
Asset :	411186, West Granby, CT CT	Height :	151 ft
Client :	VERIZON WIRELESS	Base Width :	67.997
Code :	ANSI/TIA-222-H	Shape :	18 Sides

REACTIONS

Load Case	Moment (kip-ft)	Shear (Kip)	Axial (Kip)
1.2D + 1.0W Normal	2645.80	25.43	63.75
0.9D + 1.0W Normal	2631.38	25.42	47.81
1.2D + 1.0Di + 1.0Wi Normal	726.31	7.10	88.45
1.2D + 1.0Ev + 1.0Eh Normal	215.37	1.90	63.24
0.9D - 1.0Ev + 1.0Eh Normal	214.01	1.90	44.19
1.0D + 1.0W Service Normal	589.68	5.69	53.13

DISH DEFLECTIONS

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

ANALYSIS PARAMETERS

Location:	Hartford County,CT	**Height:**	151 ft
Type and Shape:	Taper, 18 Sides	**Base Diameter:**	68.00 in
Manufacturer:	Undetermined	**Top Diameter:**	26.73 in
K_d (non-service):	0.95	**Taper:**	0.2880 in/ft
K_e:	0.98	**Rotation:**	0.000°

ICE & WIND PARAMETERS

Exposure Category:	B	**Design Wind Speed w/o Ice:**	120 mph
Risk Category:	II	**Design Wind Speed w/Ice:**	50 mph
Topo Factor Procedure:	Method 1	**Operational Wind Speed:**	60 mph
Topographic Category:	1	**Design Ice Thickness:**	1.50 in
Crest Height:	0 ft	**HMSL:**	462.00 ft

SEISMIC PARAMETERS

Analysis Method:	Equivalent Lateral Force Method				
Site Class:	D - Stiff Soil			**Period Based on Rayleigh Method (sec):**	1.61
T_L (sec):	6	**P:**	1	**C_s:**	0.036
S_s:	0.170	**S_1:**	0.054	**C_s Max:**	0.036
F_a:	1.600	**F_v:**	2.400	**C_s Min:**	0.030
S_{ds}:	0.181	**S_{d1}:**	0.086		

LOAD CASES

1.2D + 1.0W Normal	120 mph wind with no ice
0.9D + 1.0W Normal	120 mph wind with no ice
1.2D + 1.0Di + 1.0Wi Normal	50 mph wind with 1.5" radial ice
1.2D + 1.0Ev + 1.0Eh Normal	Seismic
0.9D - 1.0Ev + 1.0Eh Normal	Seismic (Reduced DL)
1.0D + 1.0W Service Normal	60 mph Wind with No Ice

SHAFT SECTION PROPERTIES

Sect Info	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Slip Joint len (in)	Weight (lb)	Bottom Dia (in)	Bottom Elev (ft)	Bottom Area (in²)	Bottom Ix (in⁴)	Bottom W/t Ratio	Bottom D/t Ratio	Top Dia (in)	Top Elev (in)	Top Area (in²)	Top Ix (in⁴)	Top W/t Ratio	Top D/t Ratio	Taper (in/ft)
									107.1							28,211.3			
1-18	53.73	0.5000	65		0.00	17,338	68.00	-0.002	1	61,654.9	22.57	135.99	52.51	53.73	82.54		17.11	105.02	0.2882
2-18	53.65	0.5000	65	Slip	89.47	13,741	55.66	46.272	87.54	33,651.1	18.22	111.32	40.20	99.92	63.00	12,545.0	12.77	80.40	0.2882
3-18	47.13	0.3750	65	Slip	70.00	6,769	42.63	94.090	50.29	11,345.7	18.63	113.68	29.05	141.22	34.13	3,544.9	12.25	77.46	0.2882
								136.86								1,861.4			
4-18	14.13	0.2500	65	Slip	52.25	1,088	30.80	7	24.24	2,859.2	20.31	123.21	26.73	151.00	21.01		17.44	106.92	0.2882
				Shaft Weight		38,936													

DISCRETE APPURTENANCE PROPERTIES

Attach Elev (ft)	Description	Qty	Ka	Vert Ecc (ft)	No Ice Weight (lb)	No Ice EPAa (sf)	No Ice Orientation Factor	Ice Weight (lb)	Ice EPAa (sf)	Ice Orientation Factor
150.00	Samsung RF4439d-25A	3	0.75	0.000	74.70	2.500	0.67	154.74	3.548	0.67
150.00	Samsung RF4440d-13A	3	0.75	0.000	70.30	1.875	0.50	130.72	2.779	0.50
150.00	Antel LPA-80063/6CF	4	0.75	0.000	27.00	9.593	0.76	314.83	10.952	0.76
150.00	Samsung MT6407-77A	3	0.75	0.000	81.60	4.709	0.61	183.67	6.230	0.61
150.00	Raycap RHSDC-3315-PF-48	2	0.75	0.000	32.00	2.512	0.67	111.76	3.555	0.67
150.00	VZW Unused Reserve (3383.69 sq	1	0.80	0.000	774.60	23.498	0.90	1314.98	39.891	0.90
150.00	Antel LPA-80080/6CF ___	2	0.75	0.000	21.00	8.628	0.71	215.78	5.509	0.71
150.00	Commscope NHH-65B-R2B	6	0.75	0.000	43.70	8.079	0.69	218.29	10.869	0.69
148.00	Generic Flat Low Profile Platf	1	1.00	0.000	1875.00	26.100	1.00	2684.61	45.186	1.00
135.00	Generic Round Sector Frame	3	0.75	0.000	300.00	14.400	0.67	664.59	30.807	0.67
134.00	CCI TPA65R-BU8D	3	0.80	0.000	82.50	18.089	0.63	423.61	21.742	0.63
134.00	Raycap DC9-48-60-24-8C-EV	2	0.80	0.000	16.00	4.788	0.75	143.72	6.243	0.75
134.00	Ericsson AIR 6449 B77D/ C-Band	3	0.80	0.000	81.60	4.028	0.70	196.84	5.386	0.70
134.00	Ericsson RRUS 4449 B5, B12	3	0.80	0.000	71.00	1.969	0.50	134.76	2.892	0.50
134.00	Ericsson RRUS 4478 B14	3	0.80	0.000	59.90	1.842	0.50	114.60	2.729	0.50
134.00	Ericsson RRUS 8843 B2, B66A	3	0.80	0.000	72.00	1.639	0.50	132.64	2.475	0.50
134.00	CCI DMP65R-BU8D	3	0.80	0.000	95.70	17.871	0.63	431.96	21.517	0.63
125.00	JMA Wireless MX08FRO665-21	3	0.75	0.000	64.50	12.489	0.64	316.89	15.249	0.64
125.00	Fujitsu TA08025-B604	3	0.75	0.000	63.90	1.962	0.50	121.16	2.865	0.50
125.00	Fujitsu TA08025-B605	3	0.75	0.000	75.00	1.962	0.50	136.52	2.865	0.50
125.00	Commscope RDIDC-9181-PF-48	1	0.75	0.000	21.90	1.867	1.00	77.78	2.751	1.00
125.00	Generic Flat Platform with Han	1	1.00	0.000	2500.00	42.400	1.00	4244.43	62.994	1.00
Totals	Num Loadings: 22	59			9,257.80			21,261.48		

LINEAR APPURTENANCE PROPERTIES

Load Case Azimuth (deg) : _

Elev From (ft)	Elev To (ft)	Qty	Description	Coax Dia (in)	Coax Wt (lb/ft)	Flat	Max Coax/ Row	Dist Between Rows(in)	Dist Between Cols(in)	Azimuth (deg)	Dist From Face (in)	Exposed To Wind	Carrier
0.00	150.00	18	1 5/8" Coax	1.98	0.82	N	0	0	0	0	0	N	VERIZON WIREL
0.00	150.00	2	1 5/8" Hybriflex	1.98	1.3	N	0	0	0	0	0	N	VERIZON WIREL
0.00	134.00	4	0.92" (23.4mm) Cable	0.92	0.89	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	134.00	2	2 1/2" conduit	2.88	5.79	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	134.00	2	0.39" (10mm) Fiber Tr	0.39	0.06	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	125.00	1	1.60" (40.6mm) Hybrid	1.6	2.34	N	0	0	0	0	0	N	DISH WIRELESS

SEGMENT PROPERTIES

(Max Len: 5.ft)

Seg Top Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	F'y (ksi)	S (in^3)	Z (in^3)	Weight (lb)
0.00		0.5000	67.997	107.114	61,654.90	22.57	135.99	74.9	1785.9	0.0	0.0
5.00		0.5000	66.556	104.827	57,789.90	22.06	133.11	75.5	1710.2	0.0	1,803.0
10.00		0.5000	65.115	102.540	54,089.90	21.55	130.23	76.1	1636.1	0.0	1,764.1
15.00		0.5000	63.674	100.254	50,551.20	21.04	127.35	76.6	1563.7	0.0	1,725.2
20.00		0.5000	62.233	97.967	47,170.40	20.54	124.47	77.2	1492.9	0.0	1,686.3
25.00		0.5000	60.792	95.680	43,943.80	20.03	121.58	77.8	1423.7	0.0	1,647.3
30.00		0.5000	59.351	93.394	40,867.70	19.52	118.70	78.4	1356.2	0.0	1,608.4
35.00		0.5000	57.910	91.107	37,938.70	19.01	115.82	79	1290.4	0.0	1,569.5
40.00		0.5000	56.469	88.820	35,153.10	18.50	112.94	79.6	1226.1	0.0	1,530.6
45.00		0.5000	55.028	86.533	32,507.30	18.00	110.06	80.2	1163.5	0.0	1,491.7
46.28	Bot - Section 2	0.5000	54.661	85.950	31,853.90	17.87	109.32	80.4	1147.8	0.0	374.5
50.00		0.5000	53.587	84.247	29,997.70	17.49	107.17	80.8	1102.6	0.0	2,176.7
53.73	Top - Section 1	0.5000	53.512	84.127	29,870.00	17.46	107.02	80.9	1099.4	0.0	2,138.0
55.00		0.5000	53.146	83.547	29,256.40	17.33	106.29	81	1084.2	0.0	361.8
60.00		0.5000	51.705	81.260	26,919.20	16.82	103.41	81.6	1025.4	0.0	1,402.0
65.00		0.5000	50.264	78.973	24,710.00	16.32	100.53	82.2	968.3	0.0	1,363.1
70.00		0.5000	48.824	76.687	22,625.10	15.81	97.65	82.6	912.7	0.0	1,324.2
75.00		0.5000	47.383	74.400	20,660.80	15.30	94.77	82.6	858.8	0.0	1,285.3
80.00		0.5000	45.942	72.113	18,813.70	14.79	91.88	82.6	806.6	0.0	1,246.4
85.00		0.5000	44.501	69.826	17,080.10	14.28	89.00	82.6	756.0	0.0	1,207.5
90.00		0.5000	43.060	67.540	15,456.40	13.77	86.12	82.6	707.0	0.0	1,168.6
94.09	Bot - Section 3	0.5000	41.881	65.669	14,207.20	13.36	83.76	82.6	668.2	0.0	927.2
95.00		0.5000	41.619	65.253	13,939.00	13.27	83.24	82.6	659.7	0.0	357.6
99.92	Top - Section 2	0.3750	40.950	48.292	10,044.70	17.84	109.20	80.4	483.1	0.0	1,897.8
100.00		0.3750	40.928	48.266	10,028.50	17.83	109.14	80.4	482.6	0.0	12.5
105.00		0.3750	39.487	46.551	8,997.00	17.16	105.30	81.2	448.8	0.0	806.6
110.00		0.3750	38.046	44.836	8,038.80	16.48	101.46	82	416.2	0.0	777.4
115.00		0.3750	36.605	43.121	7,151.10	15.80	97.61	82.6	384.8	0.0	748.2
120.00		0.3750	35.164	41.406	6,331.30	15.12	93.77	82.6	354.6	0.0	719.1
125.00		0.3750	33.723	39.691	5,576.70	14.45	89.93	82.6	325.7	0.0	689.9
130.00		0.3750	32.282	37.976	4,884.60	13.77	86.09	82.6	298.0	0.0	660.7
134.00		0.3750	31.129	36.604	4,374.10	13.23	83.01	82.6	276.8	0.0	507.6
135.00		0.3750	30.841	36.261	4,252.30	13.09	82.24	82.6	271.6	0.0	124.0
136.87	Bot - Section 4	0.3750	30.303	35.621	4,031.00	12.84	80.81	82.6	262.0	0.0	228.3
140.00		0.3750	29.400	34.546	3,677.00	12.41	78.40	82.6	246.3	0.0	628.7
141.22	Top - Section 3	0.2500	29.548	23.247	2,521.20	19.43	118.19	78.5	168.1	0.0	239.8
145.00		0.2500	28.459	22.383	2,250.30	18.66	113.84	79.5	155.7	0.0	293.4
148.00		0.2500	27.594	21.697	2,049.70	18.05	110.38	80.2	146.3	0.0	225.0
150.00		0.2500	27.018	21.240	1,922.80	17.65	108.07	80.6	140.2	0.0	146.1
151.00		0.2500	26.730	21.011	1,861.40	17.44	106.92	80.9	137.2	0.0	71.9
									Totals:		38,936.0

Load Case: 1.2D + 1.0W Normal 120 mph wind with no ice 20 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	-63.75	-25.43	0.00	-2,645.8	0.00	2,645.80	7,216.28	1,879.85	11,460.35	10,026.42	0	0	0.273
5.00	-61.35	-24.94	0.00	-2,518.7	0.00	2,518.67	7,118.61	1,839.72	10,976.30	9,678.01	0.03	-0.06	0.269
10.00	-59.00	-24.47	0.00	-2,394.0	0.00	2,393.95	7,018.48	1,799.58	10,502.70	9,332.17	0.13	-0.12	0.265
15.00	-56.69	-24.00	0.00	-2,271.6	0.00	2,271.60	6,915.89	1,759.45	10,039.54	8,989.11	0.29	-0.18	0.261
20.00	-54.44	-23.55	0.00	-2,151.6	0.00	2,151.58	6,810.84	1,719.32	9,586.83	8,649.06	0.51	-0.24	0.257
25.00	-52.23	-23.09	0.00	-2,033.9	0.00	2,033.86	6,703.33	1,679.19	9,144.55	8,312.24	0.8	-0.31	0.253
30.00	-50.06	-22.65	0.00	-1,918.4	0.00	1,918.38	6,593.36	1,639.06	8,712.73	7,978.87	1.16	-0.37	0.248
35.00	-47.95	-22.19	0.00	-1,805.2	0.00	1,805.15	6,480.93	1,598.92	8,291.34	7,649.17	1.58	-0.44	0.244
40.00	-45.88	-21.72	0.00	-1,694.2	0.00	1,694.20	6,366.04	1,558.79	7,880.41	7,323.35	2.07	-0.5	0.239
45.00	-43.87	-21.42	0.00	-1,585.6	0.00	1,585.58	6,248.69	1,518.66	7,479.91	7,001.65	2.63	-0.57	0.234
46.28	-43.36	-21.18	0.00	-1,558.2	0.00	1,558.24	6,218.34	1,508.42	7,379.36	6,920.22	2.79	-0.59	0.232
50.00	-40.57	-20.80	0.00	-1,479.4	0.00	1,479.36	6,128.88	1,478.53	7,089.86	6,684.27	3.26	-0.64	0.228
53.73	-37.84	-20.54	0.00	-1,401.7	0.00	1,401.72	6,122.54	1,476.43	7,069.72	6,667.78	3.78	-0.69	0.217
55.00	-37.34	-20.23	0.00	-1,375.7	0.00	1,375.68	6,091.72	1,466.25	6,972.58	6,588.05	3.97	-0.7	0.215
60.00	-35.44	-19.73	0.00	-1,274.5	0.00	1,274.51	5,968.70	1,426.11	6,596.17	6,276.66	4.74	-0.77	0.209
65.00	-33.58	-19.23	0.00	-1,175.8	0.00	1,175.85	5,843.21	1,385.98	6,230.21	5,970.11	5.58	-0.83	0.203
70.00	-31.77	-18.73	0.00	-1,079.7	0.00	1,079.69	5,697.43	1,345.85	5,874.68	5,650.94	6.49	-0.9	0.197
75.00	-30.00	-18.23	0.00	-986.0	0.00	986.04	5,527.54	1,305.72	5,529.60	5,317.28	7.46	-0.96	0.191
80.00	-28.28	-17.74	0.00	-894.9	0.00	894.89	5,357.65	1,265.59	5,194.97	4,993.77	8.51	-1.03	0.185
85.00	-26.62	-17.24	0.00	-806.2	0.00	806.21	5,187.76	1,225.45	4,870.78	4,680.41	9.62	-1.09	0.178
90.00	-25.00	-16.80	0.00	-720.0	0.00	720.00	5,017.86	1,185.32	4,557.03	4,377.21	10.8	-1.16	0.170
94.09	-23.71	-16.54	0.00	-651.3	0.00	651.29	4,878.86	1,152.49	4,308.10	4,136.69	11.81	-1.21	0.163
95.00	-23.24	-16.27	0.00	-636.2	0.00	636.25	4,847.97	1,145.19	4,253.73	4,084.17	12.04	-1.22	0.161
99.92	-20.75	-15.99	0.00	-556.1	0.00	556.14	3,494.97	847.53	3,106.15	2,913.77	13.33	-1.28	0.197
100.00	-20.73	-15.76	0.00	-554.9	0.00	554.93	3,493.62	847.07	3,102.80	2,911.06	13.35	-1.28	0.197
105.00	-19.54	-15.30	0.00	-476.1	0.00	476.12	3,402.86	816.97	2,886.25	2,733.76	14.73	-1.35	0.180
110.00	-18.39	-14.84	0.00	-399.6	0.00	399.63	3,309.65	786.87	2,677.52	2,559.99	16.19	-1.42	0.162
115.00	-17.28	-14.39	0.00	-325.4	0.00	325.44	3,203.67	756.77	2,476.63	2,382.30	17.72	-1.49	0.142
120.00	-16.21	-13.95	0.00	-253.5	0.00	253.50	3,076.26	726.67	2,283.57	2,195.63	19.31	-1.54	0.121
125.00	-11.49	-10.77	0.00	-183.8	0.00	183.77	2,948.84	696.58	2,098.35	2,016.58	20.95	-1.59	0.095
130.00	-10.50	-10.38	0.00	-129.9	0.00	129.92	2,821.42	666.48	1,920.96	1,845.15	22.64	-1.63	0.074
134.00	-8.13	-7.13	0.00	-88.4	0.00	88.39	2,719.48	642.40	1,784.68	1,713.48	24.02	-1.66	0.055
135.00	-6.90	-6.10	0.00	-81.3	0.00	81.26	2,694.00	636.38	1,751.40	1,681.33	24.37	-1.66	0.051
136.87	-6.60	-5.90	0.00	-69.9	0.00	69.88	2,646.43	625.14	1,690.10	1,622.12	25.02	-1.67	0.046
140.00	-5.78	-5.71	0.00	-51.4	0.00	51.40	2,566.58	606.28	1,589.67	1,525.12	26.13	-1.69	0.036
141.22	-5.47	-5.51	0.00	-44.4	0.00	44.43	1,643.41	407.99	1,079.68	990.03	26.56	-1.69	0.048
145.00	-5.05	-5.25	0.00	-23.6	0.00	23.60	1,600.52	392.82	1,000.91	928.05	27.9	-1.7	0.029
148.00	-2.50	-3.90	0.00	-7.8	0.00	7.84	1,565.47	380.78	940.50	879.66	28.97	-1.71	0.011
150.00	-0.09	-0.03	0.00	-0.0	0.00	0.03	1,541.61	372.76	901.28	847.83	29.69	-1.71	0.000
151.00	0.00	-0.03	0.00	0.0	0.00	0.00	1,529.54	368.74	881.98	832.05	30.05	-1.71	0.000

Load Case: 0.9D + 1.0W Normal 120 mph wind with no ice 20 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	-47.81	-25.42	0.00	-2,631.4	0.00	2,631.38	7,216.28	1,879.85	11,460.35	10,026.42	0	0	0.269
5.00	-46.00	-24.92	0.00	-2,504.3	0.00	2,504.29	7,118.61	1,839.72	10,976.30	9,678.01	0.03	-0.06	0.265
10.00	-44.23	-24.43	0.00	-2,379.7	0.00	2,379.69	7,018.48	1,799.58	10,502.70	9,332.17	0.13	-0.12	0.261
15.00	-42.50	-23.95	0.00	-2,257.5	0.00	2,257.54	6,915.89	1,759.45	10,039.54	8,989.11	0.29	-0.18	0.257
20.00	-40.80	-23.48	0.00	-2,137.8	0.00	2,137.79	6,810.84	1,719.32	9,586.83	8,649.06	0.51	-0.24	0.253
25.00	-39.14	-23.02	0.00	-2,020.4	0.00	2,020.40	6,703.33	1,679.19	9,144.55	8,312.24	0.8	-0.3	0.249
30.00	-37.51	-22.56	0.00	-1,905.3	0.00	1,905.33	6,593.36	1,639.06	8,712.73	7,978.87	1.15	-0.37	0.245
35.00	-35.92	-22.09	0.00	-1,792.6	0.00	1,792.55	6,480.93	1,598.92	8,291.34	7,649.17	1.57	-0.43	0.240
40.00	-34.36	-21.61	0.00	-1,682.1	0.00	1,682.10	6,366.04	1,558.79	7,880.41	7,323.35	2.06	-0.5	0.235
45.00	-32.85	-21.31	0.00	-1,574.0	0.00	1,574.02	6,248.69	1,518.66	7,479.91	7,001.65	2.62	-0.56	0.230
46.28	-32.46	-21.07	0.00	-1,546.8	0.00	1,546.83	6,218.34	1,508.42	7,379.36	6,920.22	2.77	-0.58	0.229
50.00	-30.37	-20.68	0.00	-1,468.4	0.00	1,468.39	6,128.88	1,478.53	7,089.86	6,684.27	3.24	-0.63	0.225
53.73	-28.32	-20.42	0.00	-1,391.2	0.00	1,391.20	6,122.54	1,476.43	7,069.72	6,667.78	3.76	-0.68	0.213
55.00	-27.95	-20.11	0.00	-1,365.3	0.00	1,365.30	6,091.72	1,466.25	6,972.58	6,588.05	3.94	-0.7	0.212
60.00	-26.51	-19.61	0.00	-1,264.8	0.00	1,264.75	5,968.70	1,426.11	6,596.17	6,276.66	4.71	-0.76	0.206
65.00	-25.11	-19.10	0.00	-1,166.7	0.00	1,166.73	5,843.21	1,385.98	6,230.21	5,970.11	5.54	-0.83	0.200
70.00	-23.75	-18.60	0.00	-1,071.2	0.00	1,071.23	5,697.43	1,345.85	5,874.68	5,650.94	6.45	-0.89	0.194
75.00	-22.43	-18.10	0.00	-978.2	0.00	978.24	5,527.54	1,305.72	5,529.60	5,317.28	7.41	-0.96	0.188
80.00	-21.14	-17.60	0.00	-887.8	0.00	887.76	5,357.65	1,265.59	5,194.97	4,993.77	8.45	-1.02	0.182
85.00	-19.88	-17.11	0.00	-799.8	0.00	799.76	5,187.76	1,225.45	4,870.78	4,680.41	9.56	-1.08	0.175
90.00	-18.67	-16.66	0.00	-714.2	0.00	714.22	5,017.86	1,185.32	4,557.03	4,377.21	10.73	-1.15	0.167
94.09	-17.70	-16.41	0.00	-646.1	0.00	646.06	4,878.86	1,152.49	4,308.10	4,136.69	11.73	-1.2	0.160
95.00	-17.34	-16.14	0.00	-631.1	0.00	631.13	4,847.97	1,145.19	4,253.73	4,084.17	11.96	-1.21	0.158
99.92	-15.48	-15.87	0.00	-551.7	0.00	551.67	3,494.97	847.53	3,106.15	2,913.77	13.24	-1.27	0.194
100.00	-15.46	-15.64	0.00	-550.5	0.00	550.47	3,493.62	847.07	3,102.80	2,911.06	13.26	-1.27	0.194
105.00	-14.57	-15.17	0.00	-472.3	0.00	472.28	3,402.86	816.97	2,886.25	2,733.76	14.63	-1.34	0.177
110.00	-13.71	-14.72	0.00	-396.4	0.00	396.41	3,309.65	786.87	2,677.52	2,559.99	16.08	-1.41	0.159
115.00	-12.87	-14.27	0.00	-322.8	0.00	322.83	3,203.67	756.77	2,476.63	2,382.30	17.59	-1.48	0.140
120.00	-12.07	-13.83	0.00	-251.5	0.00	251.49	3,076.26	726.67	2,283.57	2,195.63	19.17	-1.53	0.119
125.00	-8.54	-10.68	0.00	-182.3	0.00	182.33	2,948.84	696.58	2,098.35	2,016.58	20.8	-1.58	0.094
130.00	-7.81	-10.30	0.00	-128.9	0.00	128.91	2,821.42	666.48	1,920.96	1,845.15	22.48	-1.62	0.073
134.00	-6.05	-7.07	0.00	-87.7	0.00	87.70	2,719.48	642.40	1,784.68	1,713.48	23.85	-1.65	0.054
135.00	-5.14	-6.05	0.00	-80.6	0.00	80.63	2,694.00	636.38	1,751.40	1,681.33	24.2	-1.65	0.050
136.87	-4.91	-5.85	0.00	-69.3	0.00	69.34	2,646.43	625.14	1,690.10	1,622.12	24.85	-1.66	0.045
140.00	-4.30	-5.66	0.00	-51.0	0.00	51.02	2,566.58	606.28	1,589.67	1,525.12	25.94	-1.67	0.035
141.22	-4.07	-5.47	0.00	-44.1	0.00	44.11	1,643.41	407.99	1,079.68	990.03	26.37	-1.68	0.047
145.00	-3.75	-5.21	0.00	-23.4	0.00	23.44	1,600.52	392.82	1,000.91	928.05	27.71	-1.69	0.028
148.00	-1.85	-3.88	0.00	-7.8	0.00	7.80	1,565.47	380.78	940.50	879.66	28.77	-1.7	0.010
150.00	-0.06	-0.03	0.00	-0.0	0.00	0.03	1,541.61	372.76	901.28	847.83	29.48	-1.7	0.000
151.00	0.00	-0.03	0.00	0.0	0.00	0.00	1,529.54	368.74	881.98	832.05	29.84	-1.7	0.000

Load Case: 1.2D + 1.0Di + 1.0Wi Normal		50 mph wind with 1.5" radial ice			19 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	-88.45	-7.10	0.00	-726.3	0.00	726.31	7,216.28	1,879.85	11,460.35	10,026.42	0	0	0.085
5.00	-85.58	-6.96	0.00	-690.8	0.00	690.80	7,118.61	1,839.72	10,976.30	9,678.01	0.01	-0.02	0.083
10.00	-82.72	-6.83	0.00	-656.0	0.00	655.98	7,018.48	1,799.58	10,502.70	9,332.17	0.04	-0.03	0.082
15.00	-79.88	-6.69	0.00	-621.8	0.00	621.84	6,915.89	1,759.45	10,039.54	8,989.11	0.08	-0.05	0.081
20.00	-77.08	-6.56	0.00	-588.4	0.00	588.37	6,810.84	1,719.32	9,586.83	8,649.06	0.14	-0.07	0.079
25.00	-74.33	-6.43	0.00	-555.6	0.00	555.55	6,703.33	1,679.19	9,144.55	8,312.24	0.22	-0.08	0.078
30.00	-71.63	-6.30	0.00	-523.4	0.00	523.39	6,593.36	1,639.06	8,712.73	7,978.87	0.32	-0.1	0.076
35.00	-68.98	-6.17	0.00	-491.9	0.00	491.87	6,480.93	1,598.92	8,291.34	7,649.17	0.43	-0.12	0.075
40.00	-66.38	-6.03	0.00	-461.0	0.00	461.02	6,366.04	1,558.79	7,880.41	7,323.35	0.57	-0.14	0.073
45.00	-63.83	-5.95	0.00	-430.8	0.00	430.85	6,248.69	1,518.66	7,479.91	7,001.65	0.72	-0.16	0.072
46.28	-63.19	-5.88	0.00	-423.3	0.00	423.26	6,218.34	1,508.42	7,379.36	6,920.22	0.76	-0.16	0.071
50.00	-60.01	-5.77	0.00	-401.4	0.00	401.38	6,128.88	1,478.53	7,089.86	6,684.27	0.89	-0.17	0.070
53.73	-56.89	-5.69	0.00	-379.9	0.00	379.86	6,122.54	1,476.43	7,069.72	6,667.78	1.03	-0.19	0.066
55.00	-56.26	-5.60	0.00	-372.6	0.00	372.65	6,091.72	1,466.25	6,972.58	6,588.05	1.08	-0.19	0.066
60.00	-53.84	-5.45	0.00	-344.7	0.00	344.66	5,968.70	1,426.11	6,596.17	6,276.66	1.3	-0.21	0.064
65.00	-51.47	-5.30	0.00	-317.4	0.00	317.42	5,843.21	1,385.98	6,230.21	5,970.11	1.52	-0.23	0.062
70.00	-49.16	-5.15	0.00	-290.9	0.00	290.92	5,697.43	1,345.85	5,874.68	5,650.94	1.77	-0.24	0.060
75.00	-46.91	-5.00	0.00	-265.2	0.00	265.17	5,527.54	1,305.72	5,529.60	5,317.28	2.04	-0.26	0.058
80.00	-44.72	-4.85	0.00	-240.2	0.00	240.17	5,357.65	1,265.59	5,194.97	4,993.77	2.32	-0.28	0.056
85.00	-42.58	-4.70	0.00	-215.9	0.00	215.91	5,187.76	1,225.45	4,870.78	4,680.41	2.62	-0.3	0.054
90.00	-40.51	-4.57	0.00	-192.4	0.00	192.39	5,017.86	1,185.32	4,557.03	4,377.21	2.94	-0.31	0.052
94.09	-38.85	-4.49	0.00	-173.7	0.00	173.70	4,878.86	1,152.49	4,308.10	4,136.69	3.22	-0.33	0.050
95.00	-38.30	-4.41	0.00	-169.6	0.00	169.62	4,847.97	1,145.19	4,253.73	4,084.17	3.28	-0.33	0.049
99.92	-35.38	-4.32	0.00	-147.9	0.00	147.91	3,494.97	847.53	3,106.15	2,913.77	3.63	-0.35	0.061
100.00	-35.35	-4.26	0.00	-147.6	0.00	147.58	3,493.62	847.07	3,102.80	2,911.06	3.64	-0.35	0.061
105.00	-33.74	-4.11	0.00	-126.3	0.00	126.31	3,402.86	816.97	2,886.25	2,733.76	4.01	-0.37	0.056
110.00	-32.18	-3.97	0.00	-105.8	0.00	105.75	3,309.65	786.87	2,677.52	2,559.99	4.4	-0.38	0.051
115.00	-30.66	-3.83	0.00	-85.9	0.00	85.88	3,203.67	756.77	2,476.63	2,382.30	4.82	-0.4	0.046
120.00	-29.20	-3.70	0.00	-66.7	0.00	66.72	3,076.26	726.67	2,283.57	2,195.63	5.25	-0.42	0.040
125.00	-21.54	-2.87	0.00	-48.2	0.00	48.24	2,948.84	696.58	2,098.35	2,016.58	5.69	-0.43	0.031
130.00	-20.19	-2.74	0.00	-33.9	0.00	33.91	2,821.42	666.48	1,920.96	1,845.15	6.15	-0.44	0.026
134.00	-14.73	-1.99	0.00	-22.9	0.00	22.93	2,719.48	642.40	1,784.68	1,713.48	6.52	-0.45	0.019
135.00	-12.48	-1.61	0.00	-20.9	0.00	20.94	2,694.00	636.38	1,751.40	1,681.33	6.61	-0.45	0.017
136.87	-12.03	-1.55	0.00	-17.9	0.00	17.93	2,646.43	625.14	1,690.10	1,622.12	6.79	-0.45	0.016
140.00	-11.00	-1.49	0.00	-13.1	0.00	13.08	2,566.58	606.28	1,589.67	1,525.12	7.08	-0.45	0.013
141.22	-10.60	-1.42	0.00	-11.3	0.00	11.27	1,643.41	407.99	1,079.68	990.03	7.2	-0.46	0.018
145.00	-9.93	-1.34	0.00	-5.9	0.00	5.88	1,600.52	392.82	1,000.91	928.05	7.56	-0.46	0.013
148.00	-6.46	-0.93	0.00	-1.9	0.00	1.86	1,565.47	380.78	940.50	879.66	7.85	-0.46	0.006
150.00	-0.15	-0.01	0.00	-0.0	0.00	0.01	1,541.61	372.76	901.28	847.83	8.04	-0.46	0.000
151.00	0.00	-0.01	0.00	0.0	0.00	0.00	1,529.54	368.74	881.98	832.05	8.14	-0.46	0.000

Load Case: 1.0D + 1.0W Service Normal 60 mph Wind with No Ice 19 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	-53.13	-5.69	0.00	-589.7	0.00	589.68	7,216.28	1,879.85	11,460.35	10,026.42	0	0	0.066
5.00	-51.16	-5.58	0.00	-561.2	0.00	561.25	7,118.61	1,839.72	10,976.30	9,678.01	0.01	-0.01	0.065
10.00	-49.22	-5.47	0.00	-533.4	0.00	533.38	7,018.48	1,799.58	10,502.70	9,332.17	0.03	-0.03	0.064
15.00	-47.31	-5.36	0.00	-506.0	0.00	506.04	6,915.89	1,759.45	10,039.54	8,989.11	0.06	-0.04	0.063
20.00	-45.45	-5.26	0.00	-479.2	0.00	479.24	6,810.84	1,719.32	9,586.83	8,649.06	0.11	-0.05	0.062
25.00	-43.63	-5.15	0.00	-453.0	0.00	452.96	6,703.33	1,679.19	9,144.55	8,312.24	0.18	-0.07	0.061
30.00	-41.84	-5.05	0.00	-427.2	0.00	427.19	6,593.36	1,639.06	8,712.73	7,978.87	0.26	-0.08	0.060
35.00	-40.10	-4.95	0.00	-401.9	0.00	401.93	6,480.93	1,598.92	8,291.34	7,649.17	0.35	-0.1	0.059
40.00	-38.39	-4.84	0.00	-377.2	0.00	377.19	6,366.04	1,558.79	7,880.41	7,323.35	0.46	-0.11	0.058
45.00	-36.73	-4.77	0.00	-353.0	0.00	352.98	6,248.69	1,518.66	7,479.91	7,001.65	0.59	-0.13	0.056
46.28	-36.31	-4.72	0.00	-346.9	0.00	346.88	6,218.34	1,508.42	7,379.36	6,920.22	0.62	-0.13	0.056
50.00	-34.00	-4.64	0.00	-329.3	0.00	329.30	6,128.88	1,478.53	7,089.86	6,684.27	0.73	-0.14	0.055
53.73	-31.73	-4.58	0.00	-312.0	0.00	312.01	6,122.54	1,476.43	7,069.72	6,667.78	0.84	-0.15	0.052
55.00	-31.32	-4.51	0.00	-306.2	0.00	306.20	6,091.72	1,466.25	6,972.58	6,588.05	0.88	-0.16	0.052
60.00	-29.74	-4.39	0.00	-283.7	0.00	283.67	5,968.70	1,426.11	6,596.17	6,276.66	1.06	-0.17	0.050
65.00	-28.21	-4.28	0.00	-261.7	0.00	261.69	5,843.21	1,385.98	6,230.21	5,970.11	1.24	-0.19	0.049
70.00	-26.71	-4.17	0.00	-240.3	0.00	240.28	5,697.43	1,345.85	5,874.68	5,650.94	1.44	-0.2	0.047
75.00	-25.25	-4.06	0.00	-219.4	0.00	219.43	5,527.54	1,305.72	5,529.60	5,317.28	1.66	-0.21	0.046
80.00	-23.82	-3.95	0.00	-199.1	0.00	199.14	5,357.65	1,265.59	5,194.97	4,993.77	1.89	-0.23	0.044
85.00	-22.44	-3.84	0.00	-179.4	0.00	179.41	5,187.76	1,225.45	4,870.78	4,680.41	2.14	-0.24	0.043
90.00	-21.10	-3.74	0.00	-160.2	0.00	160.22	5,017.86	1,185.32	4,557.03	4,377.21	2.4	-0.26	0.041
94.09	-20.03	-3.68	0.00	-144.9	0.00	144.93	4,878.86	1,152.49	4,308.10	4,136.69	2.63	-0.27	0.039
95.00	-19.64	-3.62	0.00	-141.6	0.00	141.58	4,847.97	1,145.19	4,253.73	4,084.17	2.68	-0.27	0.039
99.92	-17.57	-3.56	0.00	-123.8	0.00	123.76	3,494.97	847.53	3,106.15	2,913.77	2.97	-0.28	0.048
100.00	-17.55	-3.51	0.00	-123.5	0.00	123.49	3,493.62	847.07	3,102.80	2,911.06	2.97	-0.29	0.047
105.00	-16.57	-3.40	0.00	-106.0	0.00	105.95	3,402.86	816.97	2,886.25	2,733.76	3.28	-0.3	0.044
110.00	-15.62	-3.30	0.00	-88.9	0.00	88.93	3,309.65	786.87	2,677.52	2,559.99	3.61	-0.32	0.039
115.00	-14.69	-3.20	0.00	-72.4	0.00	72.43	3,203.67	756.77	2,476.63	2,382.30	3.95	-0.33	0.035
120.00	-13.80	-3.10	0.00	-56.4	0.00	56.42	3,076.26	726.67	2,283.57	2,195.63	4.3	-0.34	0.030
125.00	-9.81	-2.40	0.00	-40.9	0.00	40.90	2,948.84	696.58	2,098.35	2,016.58	4.67	-0.35	0.024
130.00	-8.98	-2.31	0.00	-28.9	0.00	28.92	2,821.42	666.48	1,920.96	1,845.15	5.04	-0.36	0.019
134.00	-6.93	-1.59	0.00	-19.7	0.00	19.67	2,719.48	642.40	1,784.68	1,713.48	5.35	-0.37	0.014
135.00	-5.89	-1.36	0.00	-18.1	0.00	18.09	2,694.00	636.38	1,751.40	1,681.33	5.43	-0.37	0.013
136.87	-5.63	-1.31	0.00	-15.6	0.00	15.56	2,646.43	625.14	1,690.10	1,622.12	5.57	-0.37	0.012
140.00	-4.95	-1.27	0.00	-11.4	0.00	11.44	2,566.58	606.28	1,589.67	1,525.12	5.82	-0.38	0.009
141.22	-4.69	-1.23	0.00	-9.9	0.00	9.89	1,643.41	407.99	1,079.68	990.03	5.91	-0.38	0.013
145.00	-4.33	-1.17	0.00	-5.3	0.00	5.26	1,600.52	392.82	1,000.91	928.05	6.21	-0.38	0.008
148.00	-2.18	-0.87	0.00	-1.8	0.00	1.75	1,565.47	380.78	940.50	879.66	6.45	-0.38	0.003
150.00	-0.07	-0.01	0.00	-0.0	0.00	0.01	1,541.61	372.76	901.28	847.83	6.61	-0.38	0.000
151.00	0.00	-0.01	0.00	0.0	0.00	0.00	1,529.54	368.74	881.98	832.05	6.69	-0.38	0.000

EQUIVALENT LATERAL FORCES METHOD ANALYSIS

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

Spectral Response Acceleration for Short Period (S_S):	0.170
Spectral Response Acceleration at 1.0 Second Period (S_1):	0.054
Long-Period Transition Period (T_L – Seconds):	6
Importance Factor (I_e):	1.000
Site Coefficient F_a:	1.600
Site Coefficient F_v:	2.400
Response Modification Coefficient (R):	1.500
Design Spectral Response Acceleration at Short Period (S_{ds}):	0.181
Design Spectral Response Acceleration at 1.0 Second Period (S_{d1}):	0.086
Seismic Response Coefficient (C_s):	0.036
Upper Limit C_S:	0.036
Lower Limit C_S:	0.030
Period based on Rayleigh Method (sec):	1.610
Redundancy Factor (p):	1.000
Seismic Force Distribution Exponent (k):	1.550
Total Unfactored Dead Load:	53.140 k
Seismic Base Shear (E):	1.900 k

1.2D + 1.0Ev + 1.0Eh Normal **Seismic**

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
39	150.5	72	175	0.003	6	89
38	149	181	433	0.008	16	224
37	146.5	277	646	0.013	24	343
36	143.1104	359	807	0.016	30	444
35	140.6104	261	571	0.011	21	323
34	138.4334	683	1,458	0.028	54	844
33	135.9334	261	541	0.011	20	322
32	134.5	141	288	0.006	11	175
31	132	638	1,265	0.025	47	789
30	127.5	824	1,547	0.030	57	1,018
29	122.5	865	1,526	0.030	57	1,069
28	117.5	894	1,478	0.029	55	1,105
27	112.5	923	1,427	0.028	53	1,141
26	107.5	952	1,371	0.027	51	1,177
25	102.5	981	1,313	0.026	49	1,213
24	99.9621	15	19	0.000	1	19
23	97.4621	2,070	2,560	0.050	95	2,559
22	94.5454	389	459	0.009	17	481
21	92.0454	1,070	1,211	0.024	45	1,323
20	87.5	1,343	1,405	0.027	52	1,661
19	82.5	1,382	1,319	0.026	49	1,709
18	77.5	1,421	1,231	0.024	46	1,757
17	72.5	1,460	1,140	0.022	42	1,805
16	67.5	1,499	1,047	0.020	39	1,853
15	62.5	1,538	953	0.019	35	1,901
14	57.5	1,577	858	0.017	32	1,949
13	54.3659	406	203	0.004	8	502
12	51.8659	2,268	1,052	0.020	39	2,804
11	48.1381	2,307	953	0.019	35	2,852
10	45.6381	419	159	0.003	6	518
9	42.5	1,667	567	0.011	21	2,060
8	37.5	1,705	478	0.009	18	2,108
7	32.5	1,744	391	0.008	15	2,156
6	27.5	1,783	308	0.006	11	2,205

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
5	22.5	1,822	231	0.004	9	2,253
4	17.5	1,861	159	0.003	6	2,301
3	12.5	1,900	96	0.002	4	2,349
2	7.5	1,939	44	0.001	2	2,397
1	2.5	1,978	8	0.000	0	2,445
Samsung RF4440d-13A	150	211	510	0.010	19	261
Samsung RF4439d-25A	150	224	542	0.011	20	277
Raycap RHSDC-3315-PF-48	150	64	155	0.003	6	79
Samsung MT6407-77A	150	245	592	0.012	22	303
Commscope NHH-65B-R2B	150	262	634	0.012	24	324
Antel LPA-80080/6CF ___	150	42	102	0.002	4	52
Antel LPA-80063/6CF	150	108	261	0.005	10	134
VZW Unused Reserve (3383.69 sqin)	150	775	1,873	0.037	70	958
Generic Flat Low Profile Platform	148	1,875	4,440	0.087	165	2,318
Generic Round Sector Frame	135	900	1,847	0.036	69	1,113
Ericsson RRUS 8843 B2, B66A	134	216	438	0.009	16	267
Ericsson RRUS 4478 B14	134	180	365	0.007	14	222
Ericsson RRUS 4449 B5, B12	134	213	432	0.008	16	263
Ericsson AIR 6449 B77D/ C-Band	134	245	497	0.010	18	303
Raycap DC9-48-60-24-8C-EV	134	32	65	0.001	2	40
CCI DMP65R-BU8D	134	287	582	0.011	22	355
CCI TPA65R-BU8D	134	248	502	0.010	19	306
Commscope RDIDC-9181-PF-48	125	22	40	0.001	1	27
Fujitsu TA08025-B605	125	225	410	0.008	15	278
Fujitsu TA08025-B604	125	192	349	0.007	13	237
JMA Wireless MX08FRO665-21	125	194	352	0.007	13	239
Generic Flat Platform with Handrails	125	2,500	4,552	0.089	169	3,091
		53,135	51,236	1.000	1,901	65,689

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

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
39	150.5	72	175	0.003	6	62
38	149	181	433	0.008	16	156
37	146.5	277	646	0.013	24	239
36	143.1104	359	807	0.016	30	310
35	140.6104	261	571	0.011	21	225
34	138.4334	683	1,458	0.028	54	590
33	135.9334	261	541	0.011	20	225
32	134.5	141	288	0.006	11	122
31	132	638	1,265	0.025	47	551
30	127.5	824	1,547	0.030	57	712
29	122.5	865	1,526	0.030	57	747
28	117.5	894	1,478	0.029	55	772
27	112.5	923	1,427	0.028	53	797
26	107.5	952	1,371	0.027	51	822
25	102.5	981	1,313	0.026	49	848
24	99.9621	15	19	0.000	1	13
23	97.4621	2,070	2,560	0.050	95	1,788
22	94.5454	389	459	0.009	17	336
21	92.0454	1,070	1,211	0.024	45	924
20	87.5	1,343	1,405	0.027	52	1,160
19	82.5	1,382	1,319	0.026	49	1,194
18	77.5	1,421	1,231	0.024	46	1,228
17	72.5	1,460	1,140	0.022	42	1,261
16	67.5	1,499	1,047	0.020	39	1,295
15	62.5	1,538	953	0.019	35	1,328
14	57.5	1,577	858	0.017	32	1,362
13	54.3659	406	203	0.004	8	351
12	51.8659	2,268	1,052	0.020	39	1,959
11	48.1381	2,307	953	0.019	35	1,993
10	45.6381	419	159	0.003	6	362

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
9	42.5	1,667	567	0.011	21	1,439
8	37.5	1,705	478	0.009	18	1,473
7	32.5	1,744	391	0.008	15	1,507
6	27.5	1,783	308	0.006	11	1,540
5	22.5	1,822	231	0.004	9	1,574
4	17.5	1,861	159	0.003	6	1,607
3	12.5	1,900	96	0.002	4	1,641
2	7.5	1,939	44	0.001	2	1,675
1	2.5	1,978	8	0.000	0	1,708
Samsung RF4440d-13A	150	211	510	0.010	19	182
Samsung RF4439d-25A	150	224	542	0.011	20	194
Raycap RHSDC-3315-PF-48	150	64	155	0.003	6	55
Samsung MT6407-77A	150	245	592	0.012	22	211
Commscope NHH-65B-R2B	150	262	634	0.012	24	226
Antel LPA-80080/6CF ___	150	42	102	0.002	4	36
Antel LPA-80063/6CF	150	108	261	0.005	10	93
VZW Unused Reserve (3383.69 sqin)	150	775	1,873	0.037	70	669
Generic Flat Low Profile Platform	148	1,875	4,440	0.087	165	1,620
Generic Round Sector Frame	135	900	1,847	0.036	69	777
Ericsson RRUS 8843 B2, B66A	134	216	438	0.009	16	187
Ericsson RRUS 4478 B14	134	180	365	0.007	14	155
Ericsson RRUS 4449 B5, B12	134	213	432	0.008	16	184
Ericsson AIR 6449 B77D/ C-Band	134	245	497	0.010	18	211
Raycap DC9-48-60-24-8C-EV	134	32	65	0.001	2	28
CCI DMP65R-BU8D	134	287	582	0.011	22	248
CCI TPA65R-BU8D	134	248	502	0.010	19	214
Commscope RDIDC-9181-PF-48	125	22	40	0.001	1	19
Fujitsu TA08025-B605	125	225	410	0.008	15	194
Fujitsu TA08025-B604	125	192	349	0.007	13	166
JMA Wireless MX08FRO665-21	125	194	352	0.007	13	167
Generic Flat Platform with Handrails	125	2,500	4,552	0.089	169	2,159
		53,135	51,236	1.000	1,901	45,894

1.2D + 1.0Ev + 1.0Eh Normal **Seismic**

CALCULATED FORCES

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (fr-kips)	Mu Mx (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (kips)	Phi Mn (kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-63.24	-1.90	0.00	-215.37	0.00	215.37	7,216.28	1,879.85	11,460	10,026.42	0.00	0.00	0.03
5.00	-60.85	-1.91	0.00	-205.86	0.00	205.86	7,118.61	1,839.72	10,976	9,678.01	0.00	0.00	0.03
10.00	-58.50	-1.91	0.00	-196.33	0.00	196.33	7,018.48	1,799.58	10,503	9,332.17	0.01	-0.01	0.03
15.00	-56.20	-1.91	0.00	-186.79	0.00	186.79	6,915.89	1,759.45	10,040	8,989.11	0.02	-0.01	0.03
20.00	-53.94	-1.90	0.00	-177.26	0.00	177.26	6,810.84	1,719.32	9,587	8,649.06	0.04	-0.02	0.03
25.00	-51.74	-1.89	0.00	-167.75	0.00	167.75	6,703.33	1,679.19	9,145	8,312.24	0.07	-0.03	0.03
30.00	-49.58	-1.88	0.00	-158.28	0.00	158.28	6,593.36	1,639.06	8,713	7,978.87	0.09	-0.03	0.03
35.00	-47.47	-1.87	0.00	-148.86	0.00	148.86	6,480.93	1,598.92	8,291	7,649.17	0.13	-0.04	0.03
40.00	-45.41	-1.85	0.00	-139.52	0.00	139.52	6,366.04	1,558.79	7,880	7,323.35	0.17	-0.04	0.03
45.00	-44.90	-1.85	0.00	-130.26	0.00	130.26	6,248.69	1,518.66	7,480	7,001.65	0.22	-0.05	0.03
46.28	-42.04	-1.81	0.00	-127.91	0.00	127.91	6,218.34	1,508.42	7,379	6,920.22	0.23	-0.05	0.03
50.00	-39.24	-1.77	0.00	-121.16	0.00	121.16	6,128.88	1,478.53	7,090	6,684.27	0.27	-0.05	0.03
53.73	-38.74	-1.77	0.00	-114.54	0.00	114.54	6,122.54	1,476.43	7,070	6,667.78	0.31	-0.06	0.02
55.00	-36.79	-1.74	0.00	-112.30	0.00	112.30	6,091.72	1,466.25	6,973	6,588.05	0.33	-0.06	0.02
60.00	-34.89	-1.70	0.00	-103.63	0.00	103.63	5,968.70	1,426.11	6,596	6,276.66	0.39	-0.06	0.02
65.00	-33.03	-1.66	0.00	-95.12	0.00	95.12	5,843.21	1,385.98	6,230	5,970.11	0.46	-0.07	0.02
70.00	-31.23	-1.62	0.00	-86.81	0.00	86.81	5,697.43	1,345.85	5,875	5,650.94	0.53	-0.07	0.02
75.00	-29.47	-1.58	0.00	-78.70	0.00	78.70	5,527.54	1,305.72	5,530	5,317.28	0.61	-0.08	0.02
80.00	-27.76	-1.53	0.00	-70.82	0.00	70.82	5,357.65	1,265.59	5,195	4,993.77	0.70	-0.08	0.02
85.00	-26.10	-1.47	0.00	-63.19	0.00	63.19	5,187.76	1,225.45	4,871	4,680.41	0.79	-0.09	0.02
90.00	-24.78	-1.43	0.00	-55.82	0.00	55.82	5,017.86	1,185.32	4,557	4,377.21	0.88	-0.09	0.02
94.09	-24.30	-1.41	0.00	-49.97	0.00	49.97	4,878.86	1,152.49	4,308	4,136.69	0.97	-0.10	0.02
95.00	-21.74	-1.31	0.00	-48.68	0.00	48.68	4,847.97	1,145.19	4,254	4,084.17	0.99	-0.10	0.02
99.92	-21.72	-1.31	0.00	-42.21	0.00	42.21	3,494.97	847.53	3,106	2,913.77	1.09	-0.10	0.02
100.00	-20.51	-1.26	0.00	-42.11	0.00	42.11	3,493.62	847.07	3,103	2,911.06	1.09	-0.10	0.02
105.00	-19.33	-1.21	0.00	-35.79	0.00	35.79	3,402.86	816.97	2,886	2,733.76	1.20	-0.11	0.02

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (fr-kips)	Mu Mx (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (kips)	Phi Mn (kips)	Total Deflect (in)	Rotation (deg)	Ratio
110.00	-18.19	-1.16	0.00	-29.72	0.00	29.72	3,309.65	786.87	2,678	2,559.99	1.32	-0.11	0.02
115.00	-17.08	-1.10	0.00	-23.92	0.00	23.92	3,203.67	756.77	2,477	2,382.30	1.44	-0.12	0.02
120.00	-16.01	-1.05	0.00	-18.40	0.00	18.40	3,076.26	726.67	2,284	2,195.63	1.57	-0.12	0.01
125.00	-11.12	-0.77	0.00	-13.17	0.00	13.17	2,948.84	696.58	2,098	2,016.58	1.70	-0.13	0.01
130.00	-10.33	-0.72	0.00	-9.33	0.00	9.33	2,821.42	666.48	1,921	1,845.15	1.83	-0.13	0.01
134.00	-8.40	-0.60	0.00	-6.46	0.00	6.46	2,719.48	642.40	1,785	1,713.48	1.94	-0.13	0.01
135.00	-6.97	-0.51	0.00	-5.86	0.00	5.86	2,694.00	636.38	1,751	1,681.33	1.97	-0.13	0.01
136.87	-6.13	-0.45	0.00	-4.92	0.00	4.92	2,646.43	625.14	1,690	1,622.12	2.02	-0.13	0.01
140.00	-5.80	-0.43	0.00	-3.51	0.00	3.51	2,566.58	606.28	1,590	1,525.12	2.11	-0.13	0.01
141.22	-5.36	-0.40	0.00	-2.99	0.00	2.99	1,643.41	407.99	1,080	990.03	2.15	-0.13	0.01
145.00	-5.02	-0.37	0.00	-1.49	0.00	1.49	1,600.52	392.82	1,001	928.05	2.25	-0.13	0.01
148.00	-2.48	-0.19	0.00	-0.37	0.00	0.37	1,565.47	380.78	940	879.66	2.34	-0.13	0.00
150.00	0.00	0.00	0.00	0.00	0.00	0.00	1,541.61	372.76	901	847.83	2.39	-0.13	0.00
151.00	0.00	0.00	0.00	0.00	0.00	0.00	1,529.54	368.74	882	832.05	2.42	-0.13	0.00

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

CALCULATED FORCES

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (fr-kips)	Mu Mx (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (kips)	Phi Mn (kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-44.19	-1.90	0.00	-214.01	0.00	214.01	7,216.28	1,879.85	11,460	10,026.42	0.00	0.00	0.03
5.00	-42.51	-1.90	0.00	-204.50	0.00	204.50	7,118.61	1,839.72	10,976	9,678.01	0.00	0.00	0.03
10.00	-40.87	-1.90	0.00	-194.98	0.00	194.98	7,018.48	1,799.58	10,503	9,332.17	0.01	-0.01	0.03
15.00	-39.26	-1.90	0.00	-185.46	0.00	185.46	6,915.89	1,759.45	10,040	8,989.11	0.02	-0.01	0.03
20.00	-37.69	-1.90	0.00	-175.95	0.00	175.95	6,810.84	1,719.32	9,587	8,649.06	0.04	-0.02	0.03
25.00	-36.15	-1.89	0.00	-166.48	0.00	166.48	6,703.33	1,679.19	9,145	8,312.24	0.07	-0.02	0.03
30.00	-34.64	-1.87	0.00	-157.04	0.00	157.04	6,593.36	1,639.06	8,713	7,978.87	0.09	-0.03	0.03
35.00	-33.17	-1.86	0.00	-147.67	0.00	147.67	6,480.93	1,598.92	8,291	7,649.17	0.13	-0.04	0.02
40.00	-31.73	-1.84	0.00	-138.37	0.00	138.37	6,366.04	1,558.79	7,880	7,323.35	0.17	-0.04	0.02
45.00	-31.37	-1.84	0.00	-129.17	0.00	129.17	6,248.69	1,518.66	7,480	7,001.65	0.21	-0.05	0.02
46.28	-29.37	-1.80	0.00	-126.83	0.00	126.83	6,218.34	1,508.42	7,379	6,920.22	0.23	-0.05	0.02
50.00	-27.41	-1.76	0.00	-120.13	0.00	120.13	6,128.88	1,478.53	7,090	6,684.27	0.27	-0.05	0.02
53.73	-27.06	-1.75	0.00	-113.56	0.00	113.56	6,122.54	1,476.43	7,070	6,667.78	0.31	-0.06	0.02
55.00	-25.70	-1.72	0.00	-111.33	0.00	111.33	6,091.72	1,466.25	6,973	6,588.05	0.32	-0.06	0.02
60.00	-24.37	-1.69	0.00	-102.71	0.00	102.71	5,968.70	1,426.11	6,596	6,276.66	0.39	-0.06	0.02
65.00	-23.08	-1.65	0.00	-94.27	0.00	94.27	5,843.21	1,385.98	6,230	5,970.11	0.45	-0.07	0.02
70.00	-21.82	-1.61	0.00	-86.02	0.00	86.02	5,697.43	1,345.85	5,875	5,650.94	0.53	-0.07	0.02
75.00	-20.59	-1.56	0.00	-77.98	0.00	77.98	5,527.54	1,305.72	5,530	5,317.28	0.61	-0.08	0.02
80.00	-19.40	-1.51	0.00	-70.16	0.00	70.16	5,357.65	1,265.59	5,195	4,993.77	0.69	-0.08	0.02
85.00	-18.23	-1.46	0.00	-62.59	0.00	62.59	5,187.76	1,225.45	4,871	4,680.41	0.78	-0.09	0.02
90.00	-17.31	-1.42	0.00	-55.28	0.00	55.28	5,017.86	1,185.32	4,557	4,377.21	0.88	-0.09	0.02
94.09	-16.97	-1.40	0.00	-49.49	0.00	49.49	4,878.86	1,152.49	4,308	4,136.69	0.96	-0.10	0.02
95.00	-15.19	-1.30	0.00	-48.21	0.00	48.21	4,847.97	1,145.19	4,254	4,084.17	0.98	-0.10	0.02
99.92	-15.17	-1.30	0.00	-41.80	0.00	41.80	3,494.97	847.53	3,106	2,913.77	1.08	-0.10	0.02
100.00	-14.33	-1.25	0.00	-41.70	0.00	41.70	3,493.62	847.07	3,103	2,911.06	1.08	-0.10	0.02
105.00	-13.50	-1.20	0.00	-35.44	0.00	35.44	3,402.86	816.97	2,886	2,733.76	1.19	-0.11	0.02
110.00	-12.71	-1.15	0.00	-29.43	0.00	29.43	3,309.65	786.87	2,678	2,559.99	1.31	-0.11	0.02
115.00	-11.93	-1.09	0.00	-23.68	0.00	23.68	3,203.67	756.77	2,477	2,382.30	1.43	-0.12	0.01
120.00	-11.19	-1.04	0.00	-18.22	0.00	18.22	3,076.26	726.67	2,284	2,195.63	1.56	-0.12	0.01
125.00	-7.77	-0.76	0.00	-13.04	0.00	13.04	2,948.84	696.58	2,098	2,016.58	1.69	-0.13	0.01
130.00	-7.22	-0.71	0.00	-9.24	0.00	9.24	2,821.42	666.48	1,921	1,845.15	1.82	-0.13	0.01
134.00	-5.87	-0.59	0.00	-6.40	0.00	6.40	2,719.48	642.40	1,785	1,713.48	1.93	-0.13	0.01
135.00	-4.87	-0.50	0.00	-5.80	0.00	5.80	2,694.00	636.38	1,751	1,681.33	1.96	-0.13	0.01
136.87	-4.28	-0.45	0.00	-4.87	0.00	4.87	2,646.43	625.14	1,690	1,622.12	2.01	-0.13	0.01
140.00	-4.05	-0.42	0.00	-3.47	0.00	3.47	2,566.58	606.28	1,590	1,525.12	2.09	-0.13	0.00
141.22	-3.74	-0.39	0.00	-2.96	0.00	2.96	1,643.41	407.99	1,080	990.03	2.13	-0.13	0.01
145.00	-3.50	-0.37	0.00	-1.47	0.00	1.47	1,600.52	392.82	1,001	928.05	2.23	-0.13	0.00
148.00	-1.73	-0.18	0.00	-0.37	0.00	0.37	1,565.47	380.78	940	879.66	2.32	-0.13	0.00
150.00	0.00	0.00	0.00	0.00	0.00	0.00	1,541.61	372.76	901	847.83	2.37	-0.13	0.00
151.00	0.00	0.00	0.00	0.00	0.00	0.00	1,529.54	368.74	882	832.05	2.40	-0.13	0.00

ANALYSIS SUMMARY

	Reactions						Max Usage	
Load Case	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 Normal	25.43	0.00	63.75	0.00	0.00	2645.80	0.00	0.27
0.9D + 1.0W Normal	25.42	0.00	47.81	0.00	0.00	2631.38	0.00	0.27
1.2D + 1.0Di + 1.0Wi Normal	7.10	0.00	88.45	0.00	0.00	726.31	0.00	0.08
1.2D + 1.0Ev + 1.0Eh Normal	1.91	0.00	63.24	0.00	0.00	215.37	0.00	0.03
0.9D - 1.0Ev + 1.0Eh Normal	1.90	0.00	44.19	0.00	0.00	214.01	0.00	0.03
1.0D + 1.0W Service Normal	5.69	0.00	53.13	0.00	0.00	589.68	0.00	0.07

Base Plate & Anchor Rod Analysis

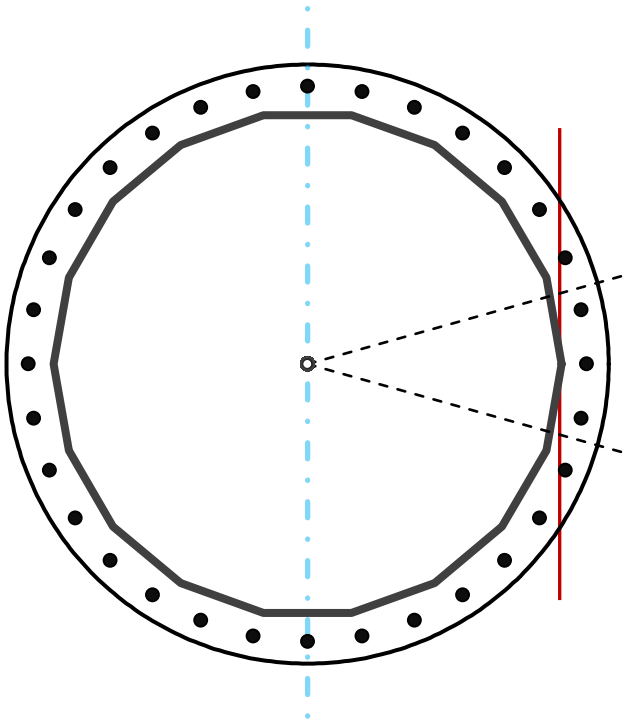
Pole Dimensions		
Number of Sides	18	-
Diameter	68	in
Thickness	1/2	in
Orientation Offset		°

Base Reactions		
Moment, Mu	2,645.8	k-ft
Axial, Pu	63.8	k
Shear, Vu	25.4	k
Neutral Axis	270	°

Report Capacities		
Component	Capacity	Result
Base Plate	11%	Pass
Anchor Rods	23%	Pass
Dwyidag	-	-

Base Plate		
Shape	Round	-
Diameter, ø	82	in
Thickness	3 1/4	in
Grade	A572-60	
Yield Strength, Fy	60	ksi
Tensile Strength, Fu	75	ksi
Clip	N/A	in
Orientation Offset		°
Anchor Rod Detail	d	η=0.5
Clear Distance	3	in
Applied Moment, Mu	377.7	k
Bending Stress, ϕMn	3500.8	k

Original Anchor Rods		
Arrangement	Radial	-
Quantity	32	-
Diameter, ø	2 1/4	in
Bolt Circle	76	in
Grade	A615-75	
Yield Strength, Fy	75	ksi
Tensile Strength, Fu	100	ksi
Spacing	7.5	in
Orientation Offset		°
Applied Force, Pu	55.9	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	25.4	2645.8	1.00
Anchor Rod Forces	25.4	2645.8	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	105.4913	5.8606	0.4902		60089.40
Bolt	3.9761	3.2477	0.8393	4.5	70445.09
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	Round	-
Diameter, D	82	in
Thickness, t	3.25	in
Yield Strength, Fy	60	ksi
Tensile Strength, Fu	75	ksi
Base Plate Chord	45.826	in
Detail Type	d	-
Detail Factor	0.50	-
Clear Distance	3	-

Anchor Rods		
Anchor Rod Quantity, N	32	-
Rod Diameter, d	2.25	in
Bolt Circle, BC	76	in
Yield Strength, Fy	75	ksi
Tensile Strength, Fu	100	ksi
Applied Axial, Pu	55.9	k
Applied Shear, Vu	0.2	k
Compressive Capacity, ϕPn	243.6	k
Tensile Capacity, ϕRnt	0.229	OK
Interaction Capacity	0.231	OK

External Base Plate		
Chord Length AA	39.003	in
Additional AA	6.000	in
Section Modulus, Z	118.836	in^3
Applied Moment, Mu	377.7	k-ft
Bending Capacity, ϕMn	6417.1	k-ft
Capacity, Mu/ϕMn	0.059	OK
Chord Length AB	37.107	in
Additional AB	6.000	in
Section Modulus, Z	113.830	in^3
Applied Moment, Mu	290.7	k-ft
Bending Capacity, ϕMn	6146.8	k-ft
Capacity, Mu/ϕMn	0.047	OK
Bend Line Length	24.551	in
Additional Bend Line	0.000	in
Section Modulus, Z	64.829	in^3
Applied Moment, Mu	377.7	k-ft
Bending Capacity, ϕMn	3500.8	k-ft
Capacity, Mu/ϕMn	0.108	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, ϕMn	0.0	k-ft
Capacity, Mu/ϕMn		

Site Name: West Granby, CT CT, CT
Site Number: 411186
Tower Type: MP
Design Loads (Factored) - Analysis per TIA-222-H Standards

Monolithic Mat & Pier Foundation Analysis

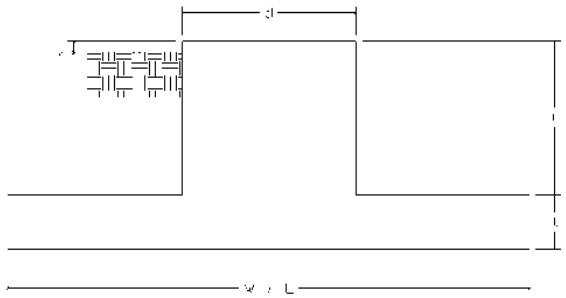
Foundation Analysis Parameters		
Design / Analysis / Mapping:	Design	-
Compression/Leg:	63.8	k
Uplift/Leg:	0.0	k
Total Shear:	25.4	k
Moment:	2,645.8	k-ft
Tower + Appurtenance Weight:	63.8	k
Depth to Base of Foundation (l + t - h):	11	ft
Diameter of Pier (d):	8	ft
Length of Pier (l):	9	ft
Height of Pier above Ground (h):	1	ft
Width of Pad (W):	28	ft
Length of Pad (L):	28	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:	2	ft
Unit Weight of Concrete:	150	pcf
Unit Weight of Soil Above Water Table:	129	pcf
Unit Weight of Water:	62.4	pcf
Unit Weight of Soil Below Water Table:	66.6	pcf
Friction Angle of Uplift:	15	°
Coefficient of Shear Friction:	0.2	-
Ultimate Compressive Bearing Pressure:	16,121	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:	2951.0	k-ft
OTM Resistance:	10756.6	k-ft
Design OTM / OTM Resistance:	27%	Pass

Soil Bearing Pressure Usage		
Net Bearing Pressure:	1817	psf
Factored Nominal Bearing Pressure:	12091	psf
Factored Nominal (Net) Bearing Pressure:	15%	Pass
Load Direction Controling Design Bearing Pressure:	*Diagonal to Pad Edge*	

Sliding Factor of Safety		
Ultimate Friction Resistance:	158.1	k
Ultimate Passive Pressure Resistance:	0.0	k
Total Factored Sliding Resistance:	118.6	k
Sliding Design / Sliding Resistance:	21%	Pass

Foundation Steel Parameters		
Shear/Leg (Compression):	17.0	k
Shear/Leg (Uplift):	14.0	k
Concrete Strength (f_c'):	4,000	psi
Pad Tension Steel Depth:	32.50	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 #:	8	-
# of Bottom Pad Rebar:	80	-
Pad Bottom Steel Area:	63.20	in^2
Pad Steel F_y:	60,000	psi
Top Pad Rebar Size #:	8	-
# of Top Pad Rebar:	80	-
Pad Top Steel Area:	63.20	in^2
Pier Rebar Size #:	8	-
Pier Steel Area (Single Bar):	0.79	in^2
# of Pier Rebar:	60	-
Pier Steel F_y:	60,000	psi
Pier Cage Diameter:	88.0	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:	5.5	in
Tie Steel F_y:	60,000	psi
Clear Cover:	3	in



Design Guide		
Minimum Required Mat Width:	11.67	ft - OK
Minimum Required Mat Thickness:	1.83	ft - OK
Minimum Required # of Vertical in Pier:	46	OK
Minimum Required # of Mat Rebar:	28	OK
Maximum Allowable Tie Spacing:	16	in - OK
Minimum Allowable Tie Spacing:	3	in - OK
Minimum Pier Edge to Mat Edge:	22	in - OK
Minimum Required Mat Length:	11.67	ft - OK
Minimum Required Foundation Depth:	4.02	ft - OK

Pad Strength Capacity			
Factored One Way Shear (V_u):	231.0	k	
One Way Shear Capacity (fV_c):	1036.0	k	*ACI 318-14 25.5.5.1*
V_u / fV_c:	22%	Pass	
Load Direction Controling Shear Capacity:	*Parallel to Pad Edge*		
Lower Steel Pad Factored Moment (M_u):	1617.1	k-ft	
Lower Steel Pad Moment Capacity (fM_n):	8841.8	k-ft	*ACI 318-14 22.3.1.1*
M_u / fM_n:	18%	Pass	
Load Direction Controling Flexural Capacity:	*Parallel to Pad Edge*		
Upper Steel Pad Factored Moment (M_u):	717.3	k-ft	
Upper Steel Pad Moment Capacity (fM_n):	8841.8	k-ft	
M_u / fM_n:	8%	Pass	
Lower Pad Flexural Reinforcement Ratio:	0.0058		*OK - ACI 318-14 7.6.1.1 & 8.6.1.1*
Upper Pad Flexural Reinforcement Ratio:	0.0058		*OK - ACI 318-14 7.6.1.1 & 8.6.1.1*
Pad Shrinkage Reinforcement Ratio:	0.0116		*OK - ACI 318-14 24.4.3.2*
Lower Pad Reinforcement Spacing:	4.2	in	*OK - ACI 318-14 7.7.2.3, 8.7.2.2, & 24.4.3.3*
Upper Pad Reinforcement Spacing:	4.2	in	*OK - ACI 318-14 7.7.2.3, 8.7.2.2, & 24.4.3.3*
Ultimate Punching Shear Stress, v_u:	28.35	psi	*ACI 318-14 R8.4.4.2.3*
Nominal Punching Shear Capacity (f_cv_c):	189.7	psi	*ACI 318-14 22.6.5.2*
v_u / f_cv_c:	15%	Pass	
Pier Moment Pad Flexure Transfer Ratio, γ_f:	0.60		*TIA-222-H 9.4.2*
Moment Transfer Effective Flexural Width, B_{eff}:	17.00	ft	*TIA-222-H 9.4.2*
Moment Transfer Through Pad Flexure:	20697.62	k-in	*TIA-222-H 9.4.2*
Moment Transfer Flexural Capacity ($fM_{sc,f}$):	66111.90	k-in	
g_fM_{sc} / $fM_{sc,f}$:	0%	Pass	

Pier Strength Capacity			
Factored Moment in Pier (M_u):	2874.7	k-ft	
Pier Moment Capacity (fM_n):	9177.6	k-ft	
M_u / fM_n:	31%	Pass	
Factored Shear in Pier (V_u):	25.4	k	
Pier Shear Capacity (fV_n):	941.0	k	*ACI 318-14 22.5.1.1*
V_u / fV_c:	3%	Pass	
Pier Shear Reinforcement Ratio:	0.0003		*OK - No Ties Necessary for Shear - ACI11.5.6.1*
Factored Tension in Pier (T_u):	0.0	k	
Pier Tension Capacity (fT_n):	2559.6	k	
T_u / fT_n:	0%	Pass	
Factored Compression in Pier (P_u):	63.8	k	
Pier Compression Capacity (fP_n):	12738.0	k	*ACI 318-14 22.4.2.1*
P_u / fP_n:	1%	Pass	
Pier Compression Reinforcement Ratio:	0.007		*OK - TIA-222-H 9.4.1*
Minimum Depth to Develop Vertical Rebar:	29	in	*ACI 318-14 25.4.2.3*
Minimum Hook Development Length:	19	in	*ACI 318-14 25.4.3.1*
Minimum Mat Thickness / Edge Distance from Pier:	22.0	in	
Minimum Foundation Depth:	4.02	ft	
$M_u/f_BM_n + T_u/f_TT_n$:	31%	Pass	

Maser Consulting Connecticut
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Stamford, CT 06901
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Post-Modification Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10101708
Maser Consulting Connecticut Project #: 21777453A

November 3, 2021

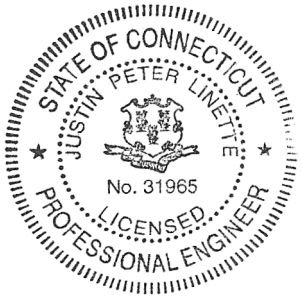
Site Information	*Site ID:*	*468847-VZW / WEST GRANBY CT*
	Site Name:	*WEST GRANBY CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*8 Upper Meadow Road* *West Granby, Connecticut 06090* *Hartford County*
	Latitude:	*41.953300°*
	Longitude:	*-72.829842°*
Structure Information	*Tower Type:*	*150-Ft Monopole*
	Mount Type:	*13.63-Ft Platform*

FUZE ID # 16273389

Analysis Results

Platform: **56.1% Pass**

******Contractor PMI Requirements*:**
Included at the end of this MA report
Available & Submitted via portal at https://pmi.vzwsmart.com
Contractor - Please Review Specific Site PMI Requirements Upon Award
Requirements also Noted on Mount Modification Drawings
Requirements may also be Noted on A & E drawings
For additional questions and support, please reach out to:
pmisupport@colliersengineering.com



Report Prepared By: Frank Centone

Executive Summary:

The objective of this report is to summarize the analysis results of the antenna support mount including the proposed modifications at the subject facility for the final wireless telecommunications configuration, per the applicable codes and standards.

This analysis is inclusive of the mount structure only and does not address the structural capacity of the supporting structure. This mounting frame was not analyzed as an anchor attachment point for fall protection. All climbing activities are required to have a fall protection plan completed by a competent person.

Sources of Information:

Document Type	Remarks
Radio Frequency Sheet (RFDS)	*Verizon RFDS, Site ID: 675084, dated August 30, 2021*
Mount Mapping Report	*RKS Design & Engineering LLC., Site #: ATC:411186, Dated March 25, 2021*
Previous Mount Analysis Report	*Maser Consulting Connecticut, Project #: 21777453A, dated September 7,2021*
Mount Modification Drawings	*Maser Consulting Connecticut, Project #: 21777453A (Rev 1), dated November 3, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	115 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.50 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.984
Seismic Parameters:	S_S:	0.170
	S_1:	0.054
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

The following equipment has been considered for the analysis of the mount:

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
146.50	147.00	6	Commscope	NHH-65B-R2B	Added
		3	Samsung	MT6407-77A	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	
		4	Antel	LPA-80063/6CF	Retained
		2	Antel	LPA-80080/6CF	
		2	Raycap	RHSDC-3315-PF-48	

The recent mount mapping reported existing OVP units. It is acceptable to install up to any three (3) of the OVP model numbers listed below as required at any location other than the mount face without affecting the structural capacity of the mount. If OVP units are installed on the mount face, a mount re-analysis may be required unless replacing an existing OVP.

Model Number	Ports	AKA
DB-B1-6C-12AB-0Z	6	OVP-6
RVZDC-6627-PF-48	12	OVP-12

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Maser Consulting Connecticut and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. Any deviation from the loading locations specified in this report shall be communicated to Maser Consulting Connecticut to verify deviation will not adversely impact the analysis.

2. Mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

   Obvious safety and structural issues/deficiencies noticed at the time of the mount mapping and reported in the Mount Mapping Report are assumed to be corrected and documented as part of the PMI process and are not considered in the mount analysis.

   The mount analysis and the mount mapping are not a condition assessment of the mount. Proper maintenance and condition assessments are still required post analysis.

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped in accordance with the NSTD-446 Standard, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.

5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.

6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Maser Consulting Connecticut is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.

7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
   - Channel, Solid Round, Angle, Plate — ASTM A36 (Gr. 36)
   - HSS (Rectangular) — ASTM 500 (Gr. B-46)
   - Pipe — ASTM A53 (Gr. B-35)
   - Threaded Rod — F1554 (Gr. 36)
   - Bolts — ASTM A325

8. Any mount modifications listed under Sources of Information are assumed to have been installed per the design specifications.

Discrepancies between in-field conditions and the assumptions listed above may render this analysis invalid unless explicitly approved by Maser Consulting Connecticut.

Analysis Results:

Component	Utilization %	Pass/Fail
Standoff Horizontal	23.8%	Pass
Mount Pipe	45.6%	Pass
Face Horizontal	20.9%	Pass
OVP Pipe	14.2%	Pass
Small Pipe	0.4%	Pass
MOD Support Rail	15.7%	Pass
MOD Support Rail Angle	27.1%	Pass
MOD Kicker	15.9%	Pass
Mount Connection	56.1%	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**56.1%**

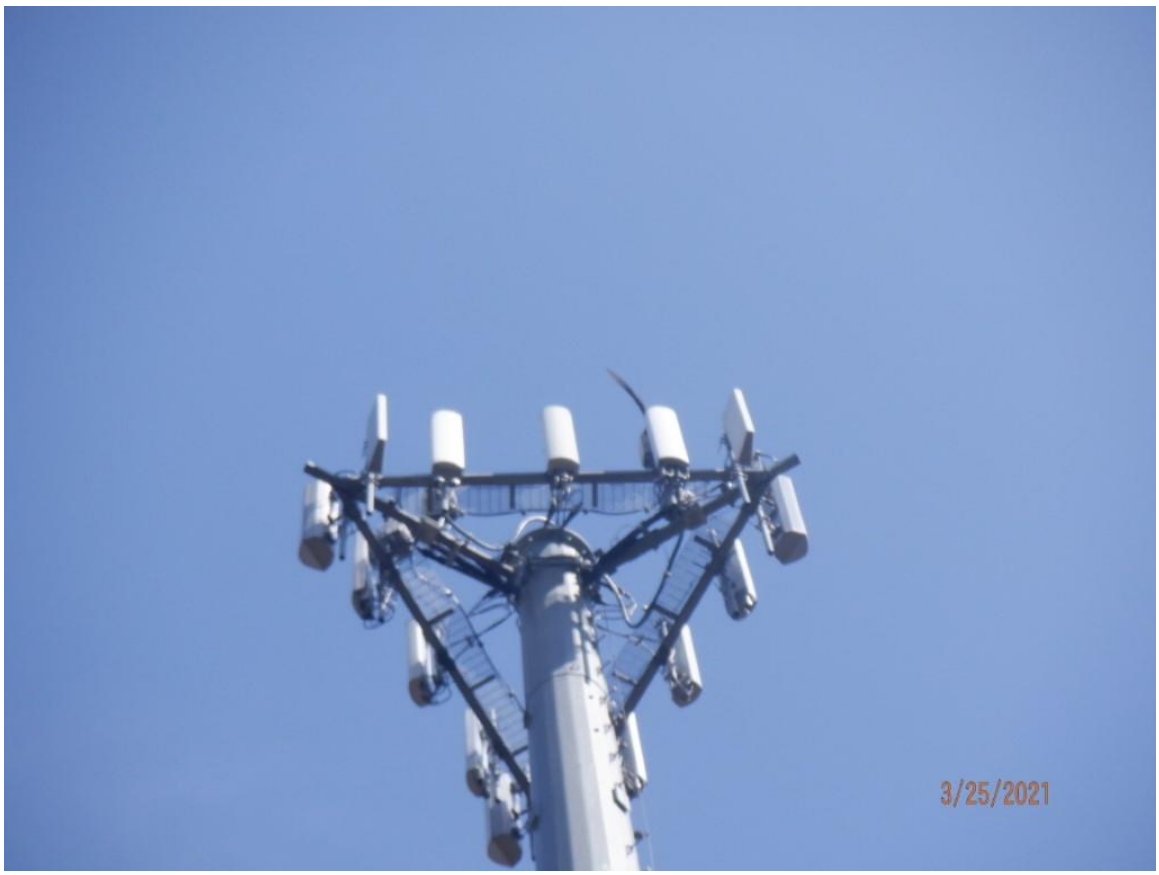
Recommendation:

The existing mount will be **SUFFICIENT** for the final loading after the proposed modifications are successfully completed.

ANSI/ASSP rigging plan review services compliant with the requirements of ANSI/TIA 322 are available for a Construction Class IV site or other, if required. Separate review fees will apply.

Attachments:

1. Mount Photos
2. Mount Mapping Report (for reference only)
3. Analysis Calculations
4. **Contractor Required PMI Report Deliverables**
5. Antenna Placement Diagrams
6. TIA Adoption and Wind Speed Usage Letter


3/25/2021


03/25/2021

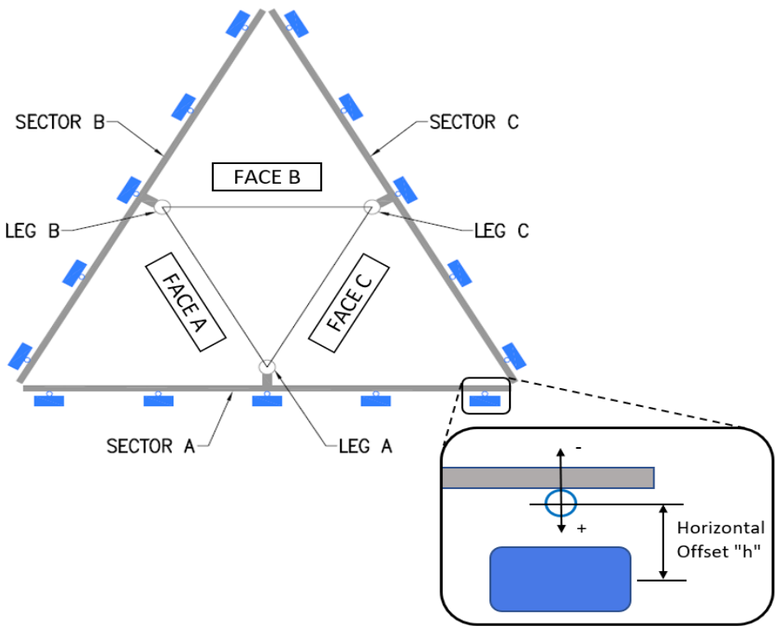
V3.0 Updated on 8-31-2020

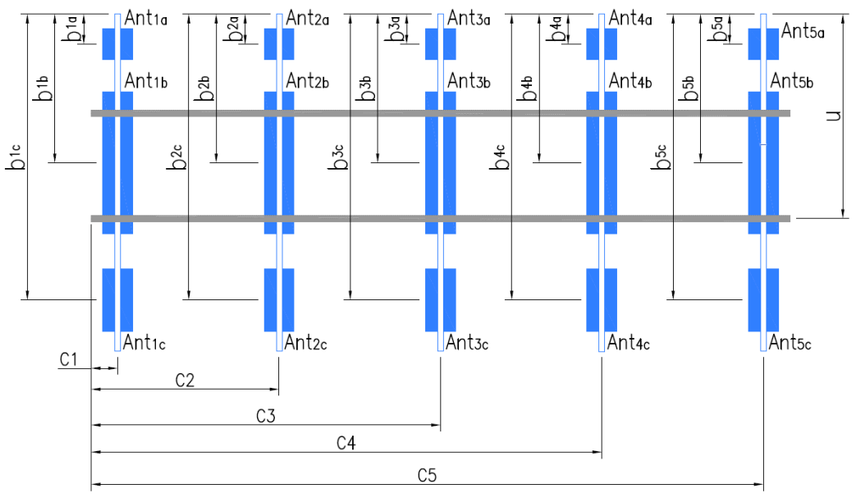
Antenna Mount Mapping Form (PATENT PENDING)

FCC #
UNKNOWN

Tower Owner:	ATC	**Mapping Date:**	3/25/2021
Site Name:	ATC:WEST GRANBY,CT,VZW:WEST GRANBY CT	**Tower Type:**	Monopole
Site Number or ID:	ATC:411186	**Tower Height (Ft.):**	150
Mapping Contractor:	RKS Design & Engineering LLC	**Mount Elevation (Ft.):**	148.5

Please insert the sketches of the antenna mount from the "Sketches" tab with dimensions and members here.





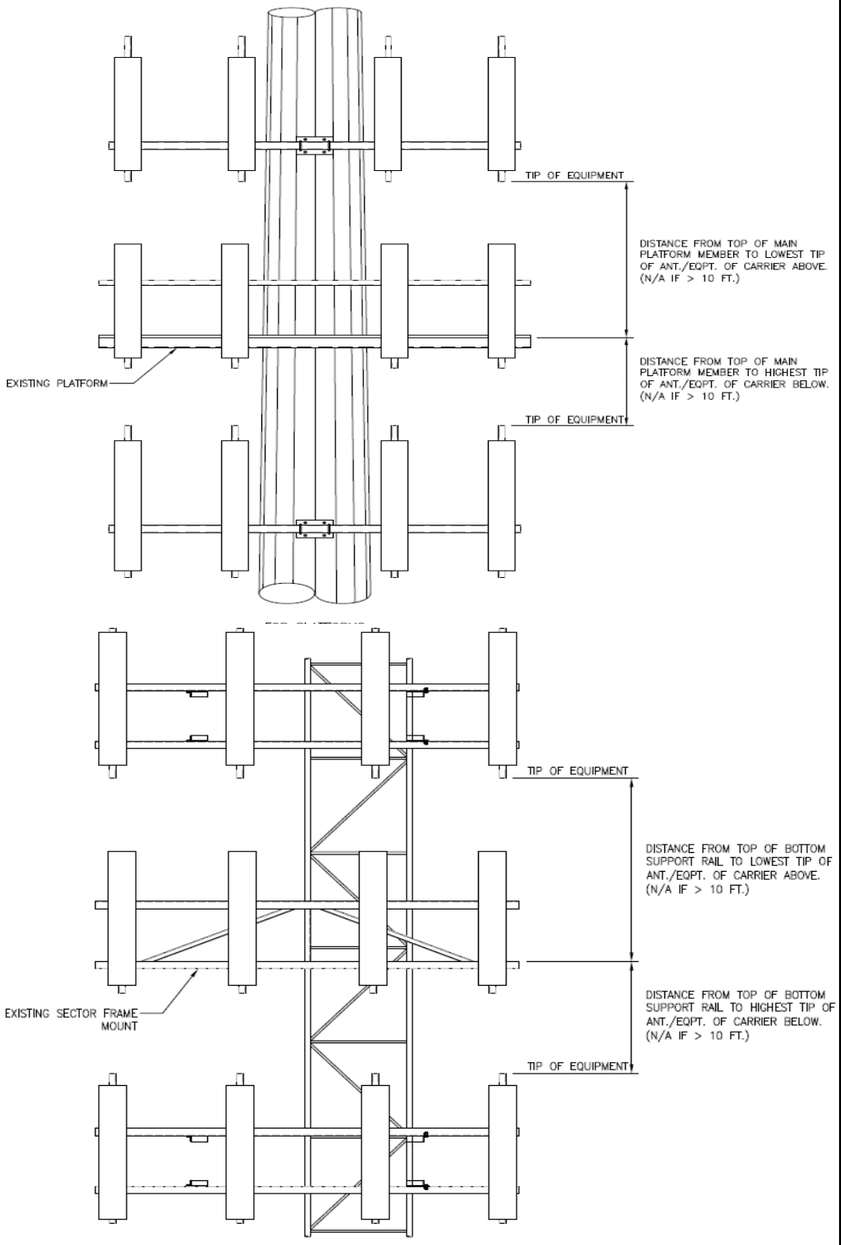
Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]							
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	Pipe 2.375"Ø X 0.18" X 102" Long	46.00	11.50	C1	Pipe 2.375"Ø X 0.18" X 102" Long	46.00	11.50
A2	Pipe 2.375"Ø X 0.18" X 102" Long	46.00	39.50	C2	Pipe 2.375"Ø X 0.18" X 102" Long	46.00	39.50
A3	Pipe 2.375"Ø X 0.22" X 72" Long	46.00	82.50	C3	Pipe 2.375"Ø X 0.22" X 72" Long	46.00	82.50
A4	Pipe 2.375"Ø X 0.18" X 102" Long	46.00	124.00	C4	Pipe 2.375"Ø X 0.18" X 102" Long	46.00	124.00
A5	Pipe 2.375"Ø X 0.18" X 102" Long	46.00	152.00	C5	Pipe 2.375"Ø X 0.18" X 102" Long	46.00	152.00
A6				C6			
B1	Pipe 2.375"Ø X 0.18" X 102" Long	46.00	11.50	D1			
B2	Pipe 2.375"Ø X 0.18" X 102" Long	46.00	39.50	D2			
B3	Pipe 2.375"Ø X 0.22" X 72" Long	46.00	82.50	D3			
B4	Pipe 2.375"Ø X 0.18" X 102" Long	46.00	124.00	D4			
B5	Pipe 2.375"Ø X 0.18" X 102" Long	46.00	152.00	D5			
B6				D6			
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :							
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :							
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :							
Please enter additional infomation or comments below.							
Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):				27	

Ants. Items	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	LPA-80063-6CF-EDIN	15.20	13.10	71.10		149.167	38.00	13.00	30.00	11,188
Ant_{1c}										
Ant_{2a}	B66a RRH 4x45	11.80	7.20	25.80		152.125	2.50	-7.50		11,188
Ant_{2b}	HBXX-6517DS-A2M	12.00	6.50	75.00		149.208	37.50	7.75	30.00	11,188
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	LNX-6514DS-A1M	11.90	7.10	72.70		149.396	35.25	8.50	30.00	11,188
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	HBXX-6517DS-A2M	12.00	6.50	75.00		149.208	37.50	7.75	30.00	11,189
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	LPA-80063-6CF-EDIN-	15.20	13.10	71.10		149.167	38.00	13.00	30.00	11,189
Ant_{5c}										
Ant on Standoff	RHSDC-3315-PF-48	15.70	10.20	25.60						126
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	30.00	Deg	Leg A:		Deg
Sector B:	150.00	Deg	Leg B:		Deg
Sector C:	270.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information			
Location:	150.00	Deg	N/A
Climbing Facility	Corrosion Type:		N/A
	Access:		Climbing path was unobstructed.
	Condition:		Good condition.



Sector B										
Ant_{1a}										
Ant_{1b}	LPA-80063-6CF-EDIN	15.20	13.10	71.10		149.167	38.00	13.00	150.00	19,191
Ant_{1c}										
Ant_{2a}	B66a RRH 4x45	11.80	7.20	25.80		152.125	2.50	-7.50		19,191
Ant_{2b}	HBXX-6517DS-A2M	12.00	6.50	75.00		149.208	37.50	7.75	130.00	19,191
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	LNX-6514DS-A1M	11.90	7.10	72.70		149.396	35.25	8.50	130.00	19,192
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	HBXX-6517DS-A2M	12.00	6.50	75.00		149.208	37.50	7.75	130.00	19,193
Ant_{4c}										
Ant_{5a}	GPS -2.6"Ø			5.00		152.75	-5.00			273
Ant_{5b}	LPA-80063-6CF-EDIN-	15.20	13.10	71.10		149.167	38.00	13.00	150.00	19,193
Ant_{5c}										
Ant on Standoff	RHSDC-3315-PF-48	15.70	10.20	25.60						193
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	LPA-80080-6CF-E-DIN	5.50	13.50	72.00		149.333	36.00	13.75	260.00	30,195
Ant_{1c}										
Ant_{2a}	B66a RRH 4x45	11.80	7.20	25.80		152.125	2.50	-7.50		30,195
Ant_{2b}	HBXX-6517DS-A2M	12.00	6.50	75.00		149.208	37.50	7.75	260.00	30,195
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	LPA-6514DS-A1M	11.90	7.10	72.70		149.396	35.25	8.50	260.00	30,196
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	HBXX-6517DS-A2M	12.00	6.50	75.00		149.208	37.50	7.75	260.00	30,196
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	LPA-80080-6CF-E-DIN	5.50	13.50	72.00		149.333	36.00	13.75	260.00	30,196
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #

1	COAX TOTAL (20): (2) 1.58"Ø, (12) FH 1-5/8, (6) FH 1-5/8 CUT	
2	BROKEN ANTENNA TOP OF 1b,4b,5b ON SECTOR B	228,269
3	BROKEN ANTENNA TOP OF 4b ON SECTOR A,C	189,196
4		
5		
6		
7		
8		

Mapping Notes
1. Please report any visible structural or safety issues observed on the antenna mounts (Damaged members, loose connections, tilting mounts, safety climb issues, etc.)
2. If the thickness of the existing pipes or tubing can't be obtained from a general tool (such as Caliper), please use an ultrasonic measurement tool (thickness gauge) to measure the thickness.
3. Please create all required detail sketches of the mounts and insert them into the "Sketches" tab.
4. Please measure and enter the bolt sizes and types under the Members Box in the spreadsheet of the mount type.
5. Take and label the photos of the tower, mounts, connections, antennas and all measurements. Minimum 50 photos are required.
6. Please measure and report the size and length of all existing antenna mounting pipes.
7. Please measure and report the antenna information for all sectors.
8. Don't delete or rearrange any sheet or contents of any sheet from this mapping form.

Standard Conditions
1. Obvious safety and structural issues/deficiencies noticed at the time of the mount mapping are to be reported in this mapping. However, this mount mapping is not a condition assessment of the mount.

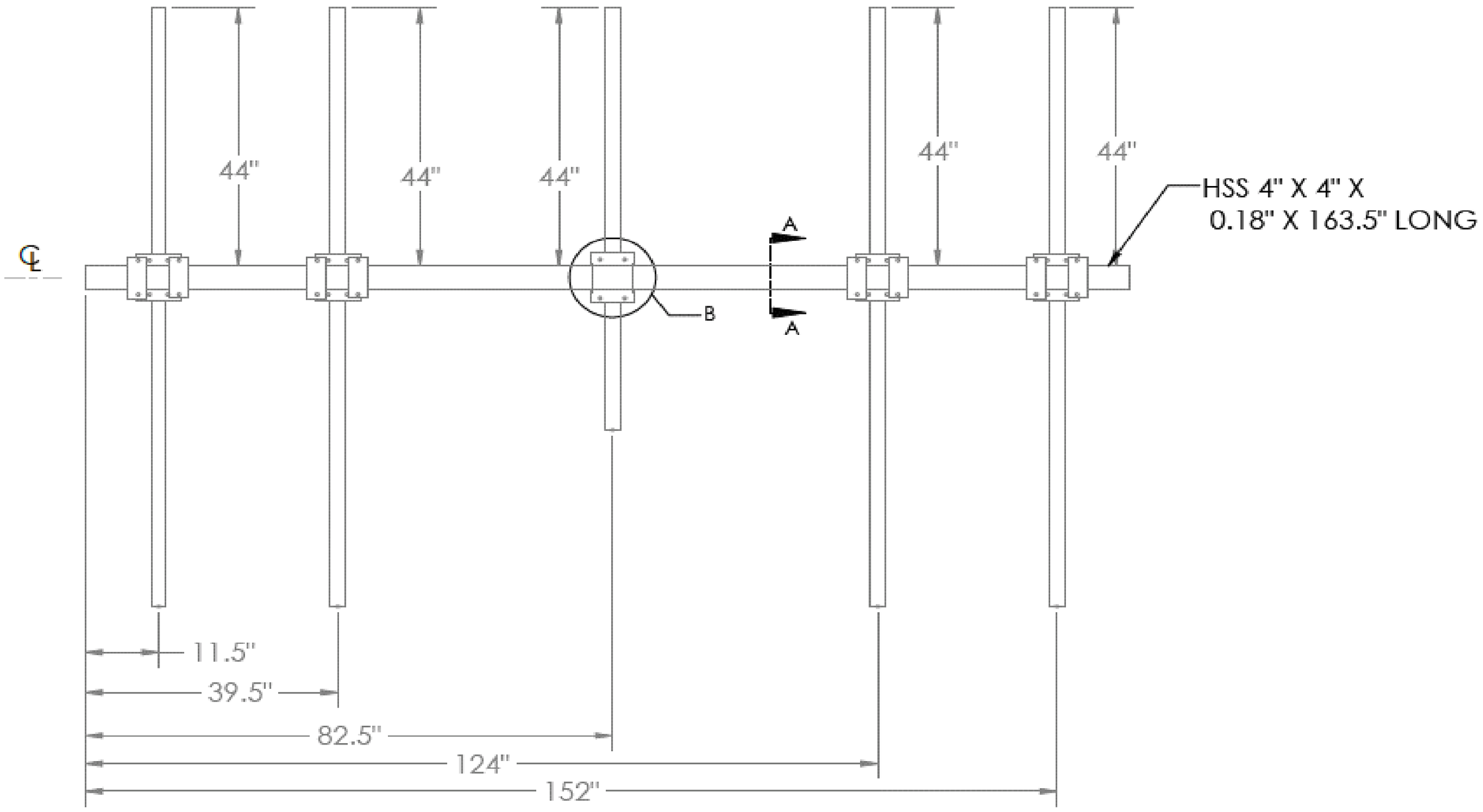
V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

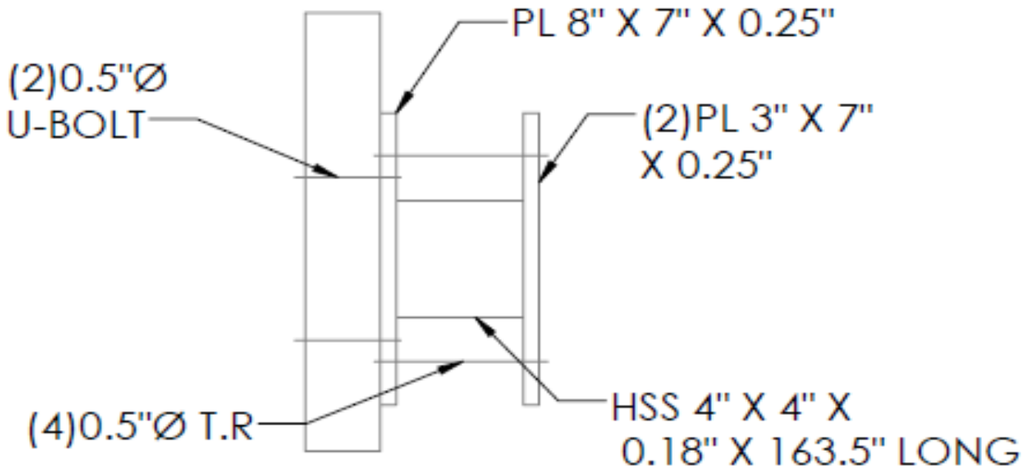
FCC #
UNKNOWN

Tower Owner:	ATC	**Mapping Date:**	3/25/2021
Site Name:	ATC:WEST GRANBY,CT,VZW:WEST GRANBY CT	**Tower Type:**	Monopole
Site Number or ID:	ATC:411186	**Tower Height (Ft.):**	150
Mapping Contractor:	RKS Design & Engineering LLC	**Mount Elevation (Ft.):**	148.5

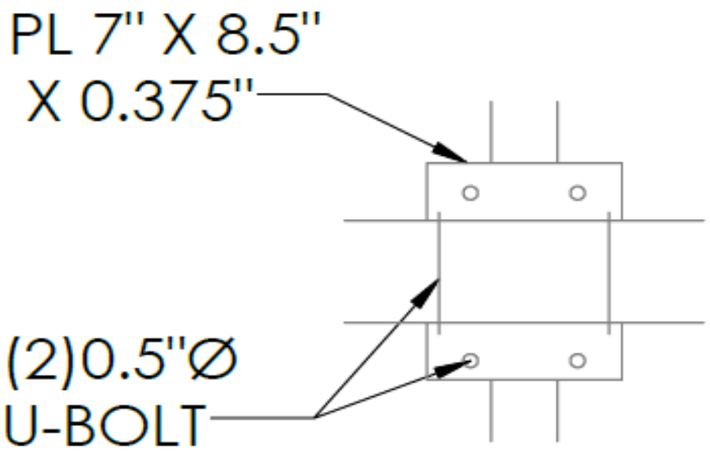
Please Insert Sketches of the Antenna Mount



SECTOR A, C

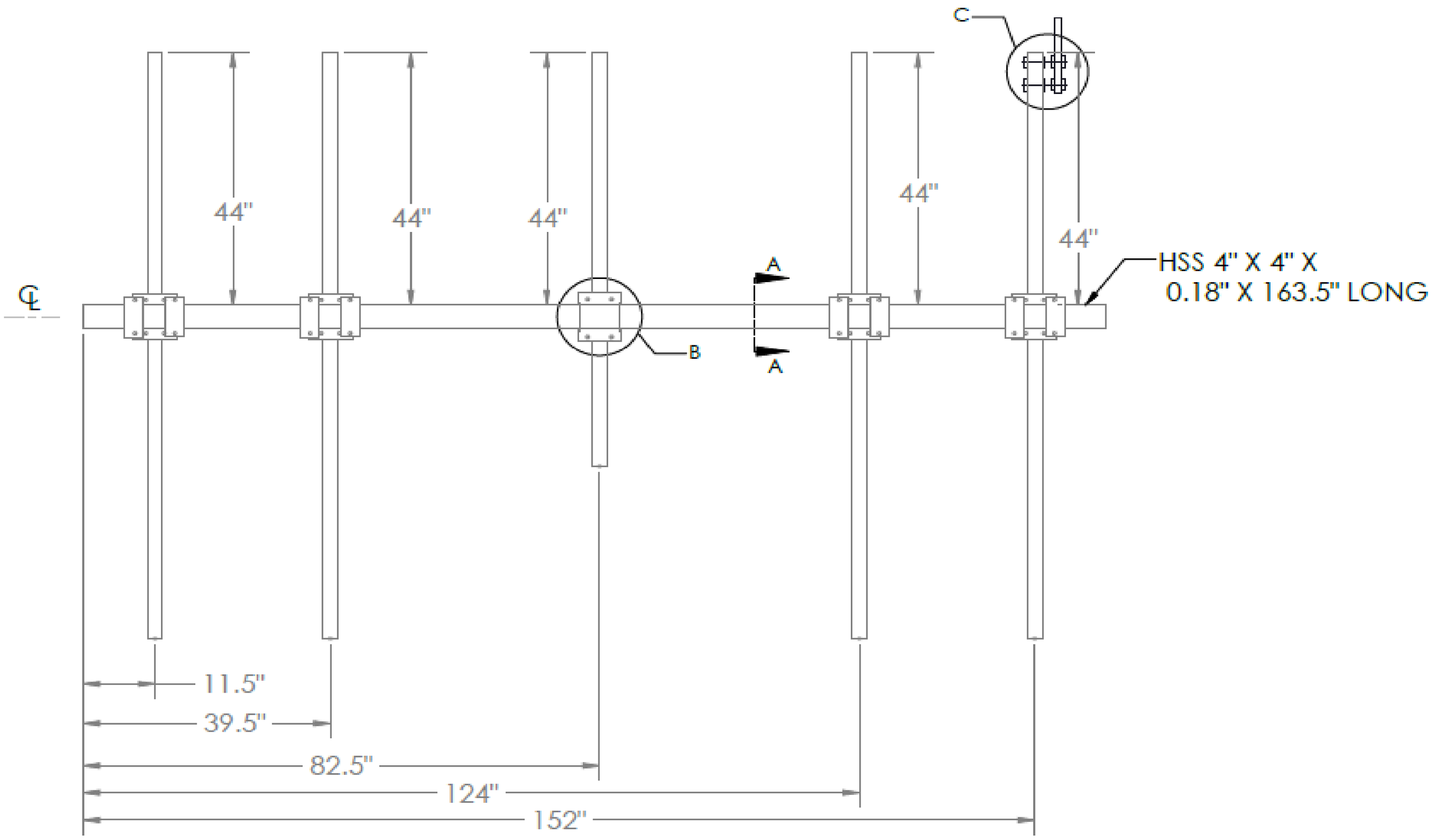


SECTION A-A

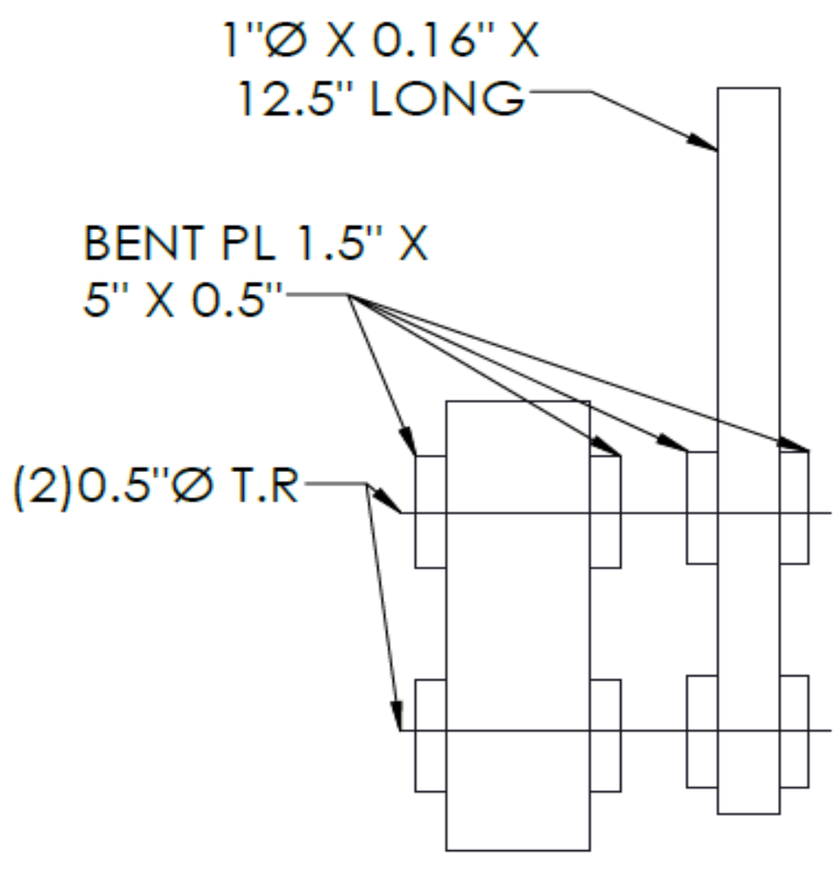


DETAIL B

Please Insert Sketches of the Antenna Mount, cont'd

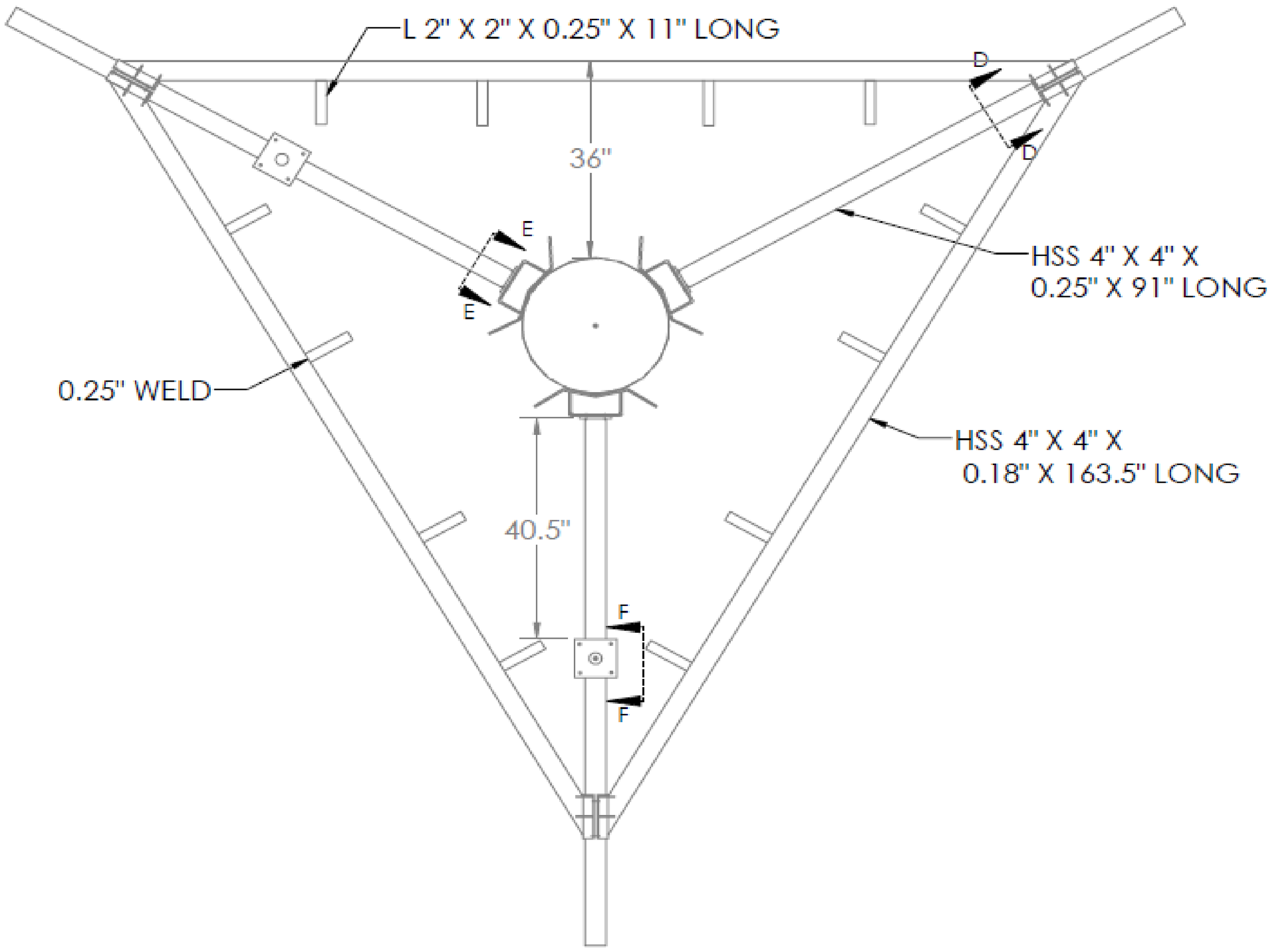


SECTOR B

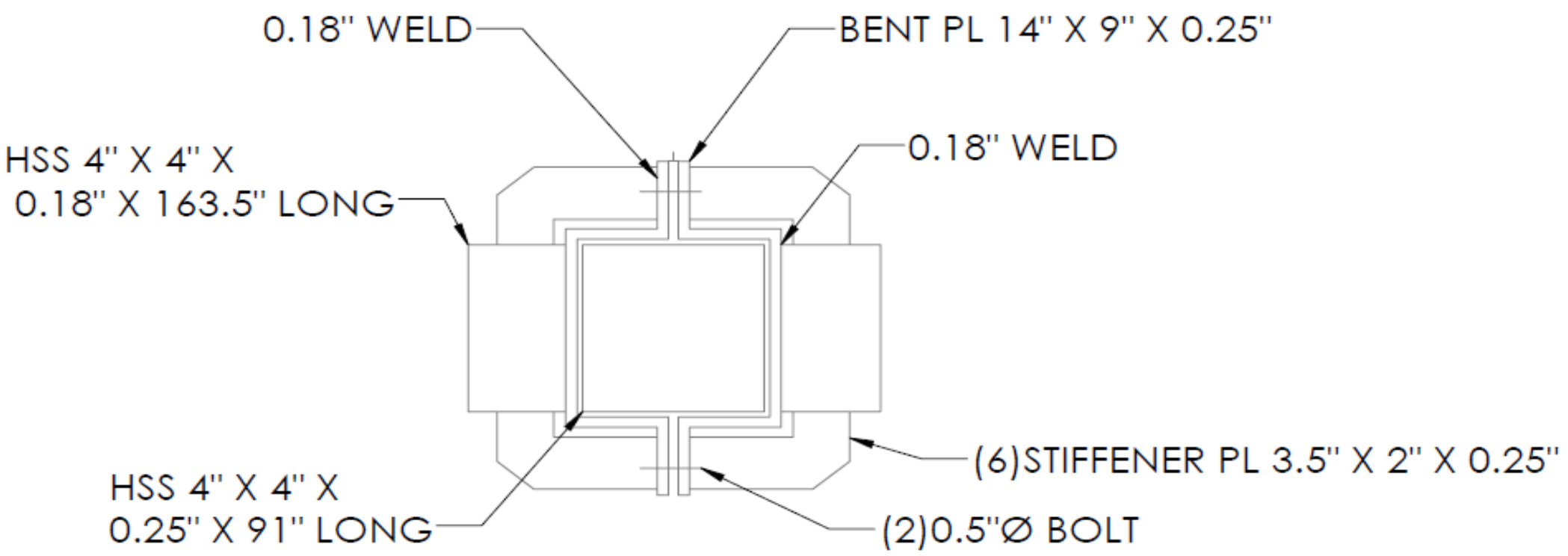


DETAIL C

Please Insert Sketches of the Antenna Mount, cont'd

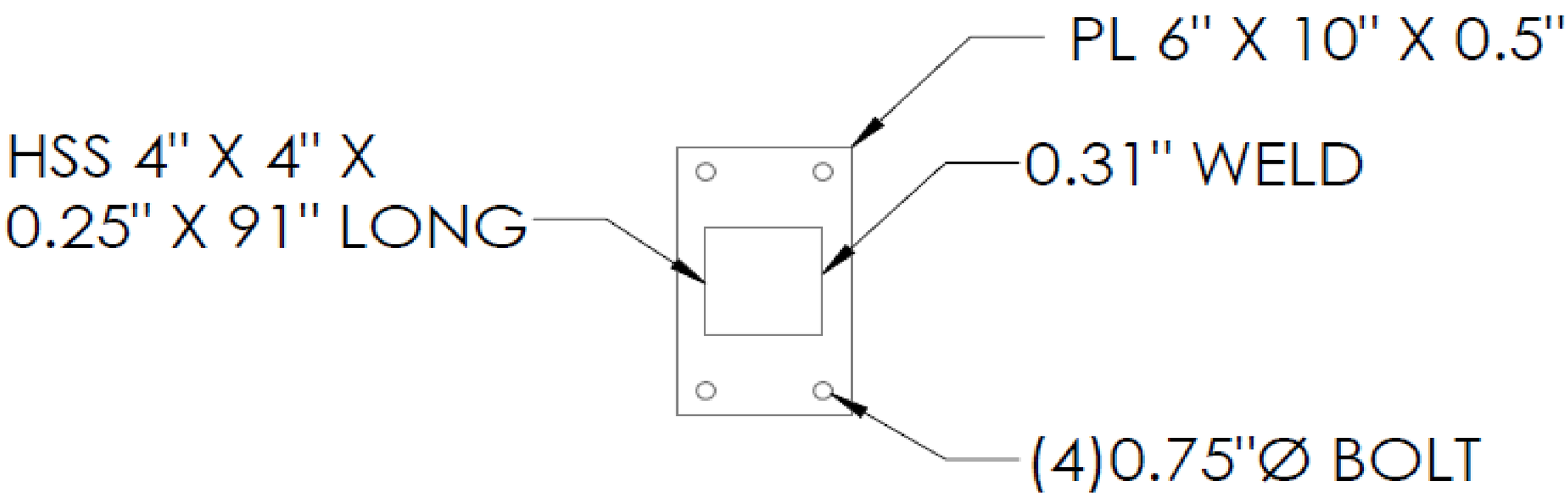


MOUNT VIEW

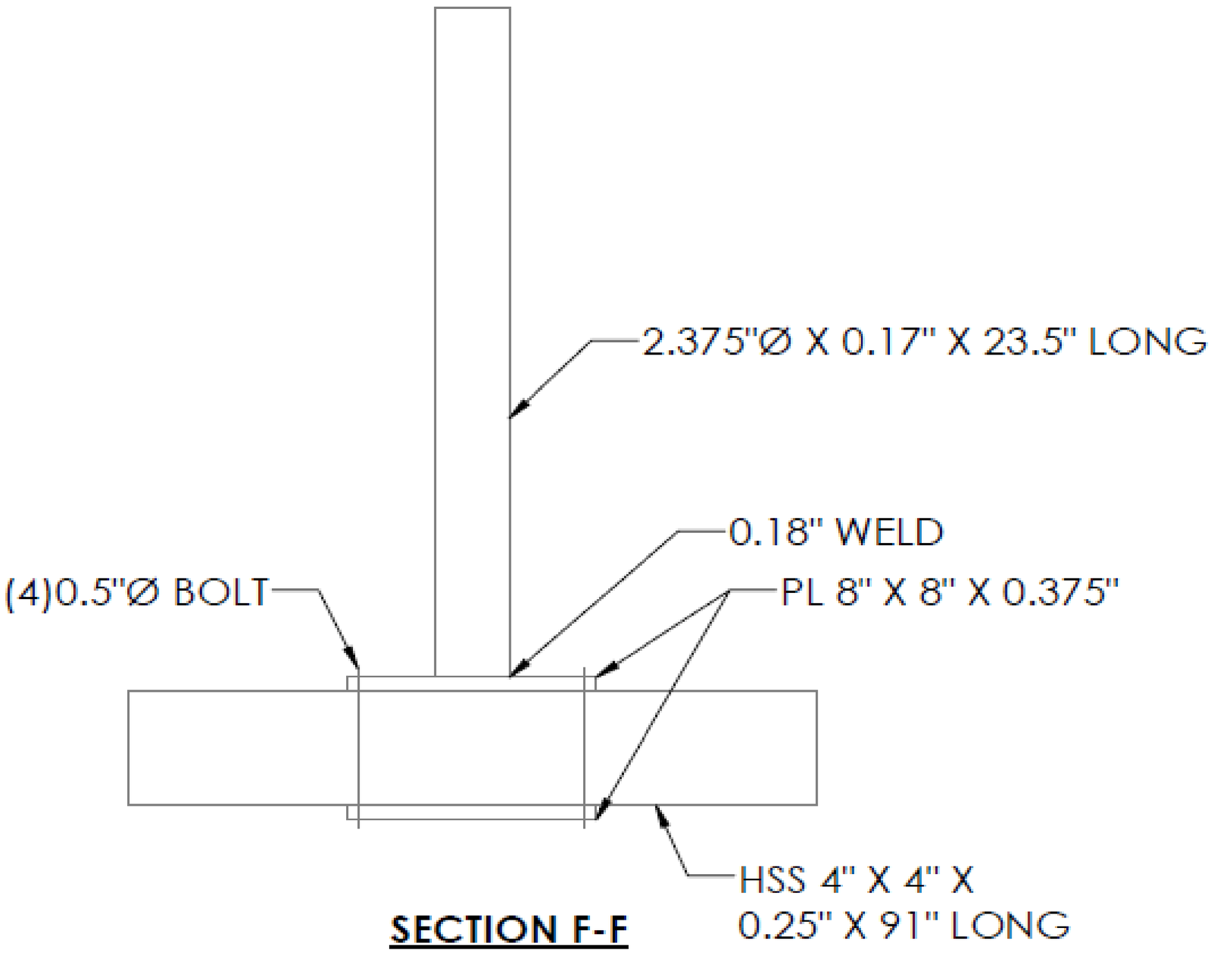


SECTION D-D

Please Insert Sketches of the Antenna Mount, cont'd

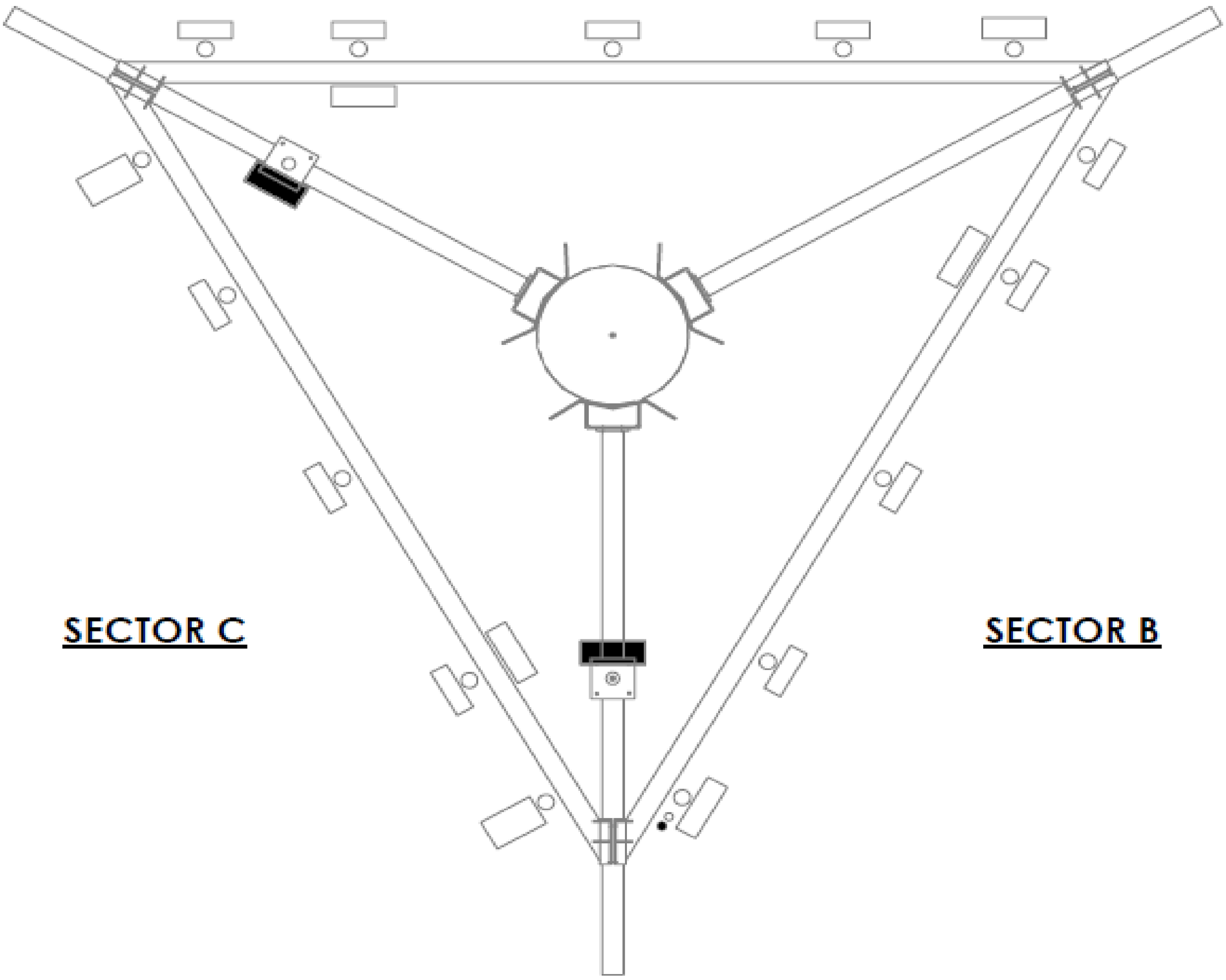


SECTION E-E

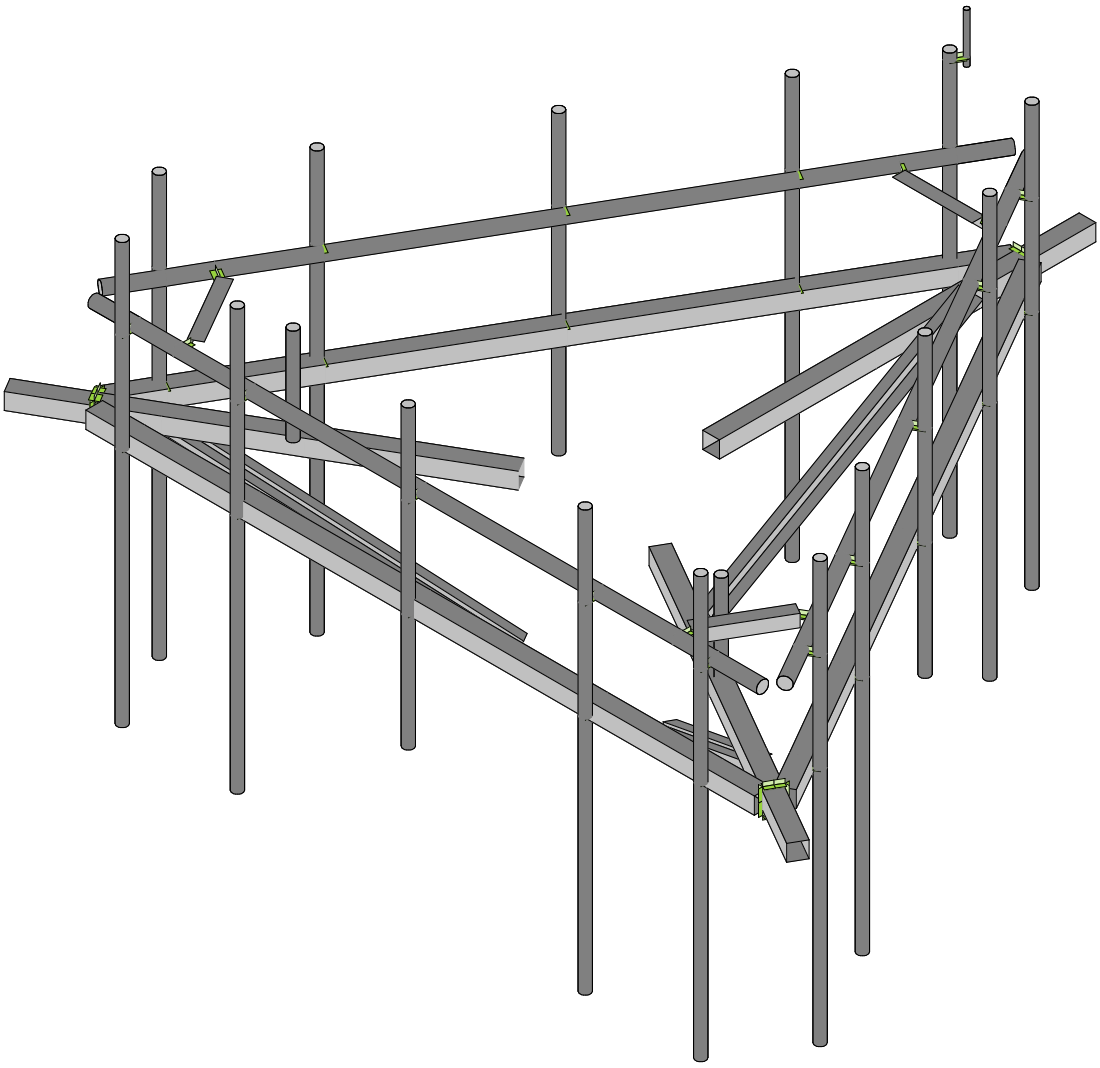


SECTION F-F

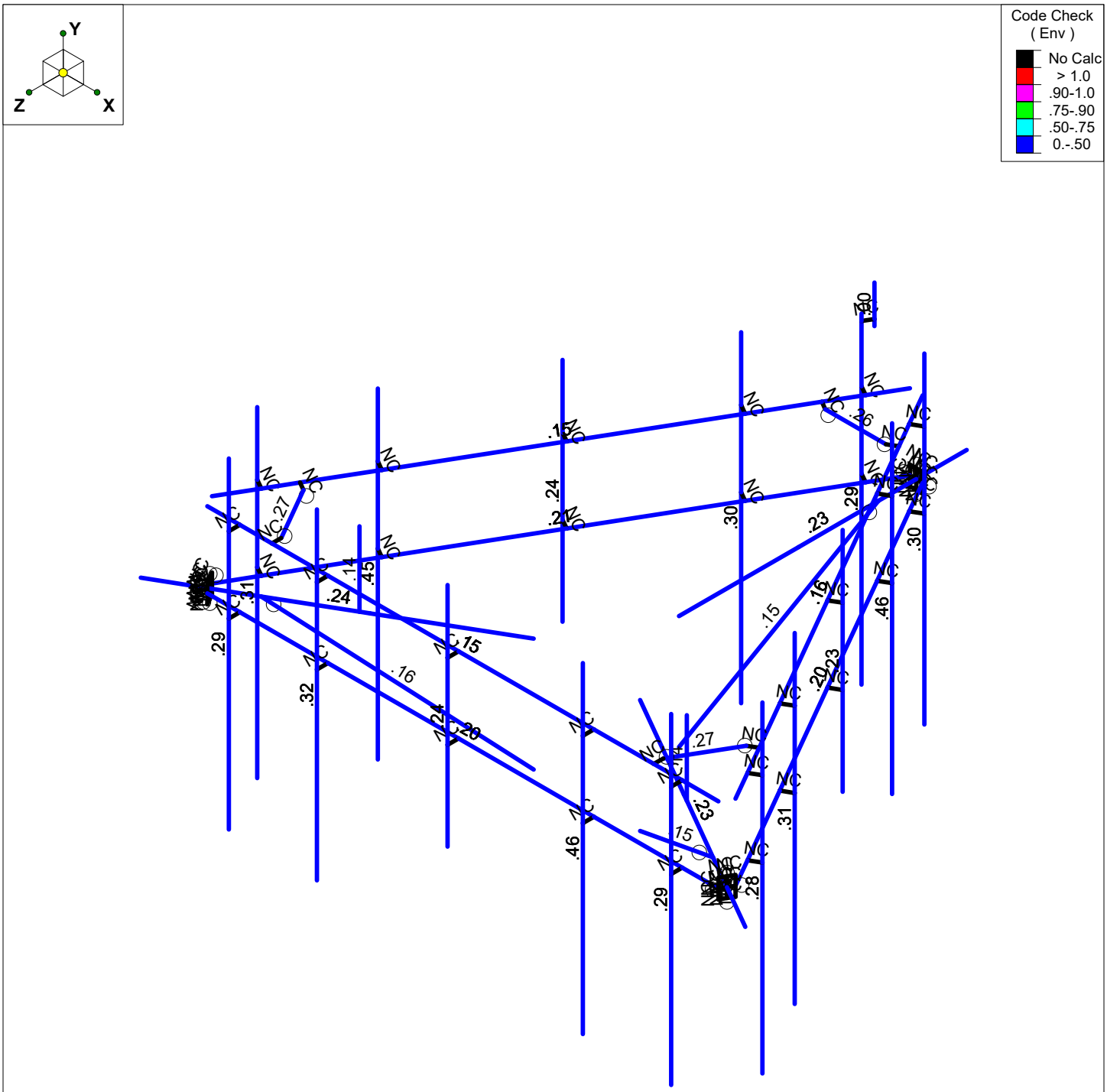
Please Insert Sketches of the Antenna Mount, cont'd



ANTENNA PLAN VIEW

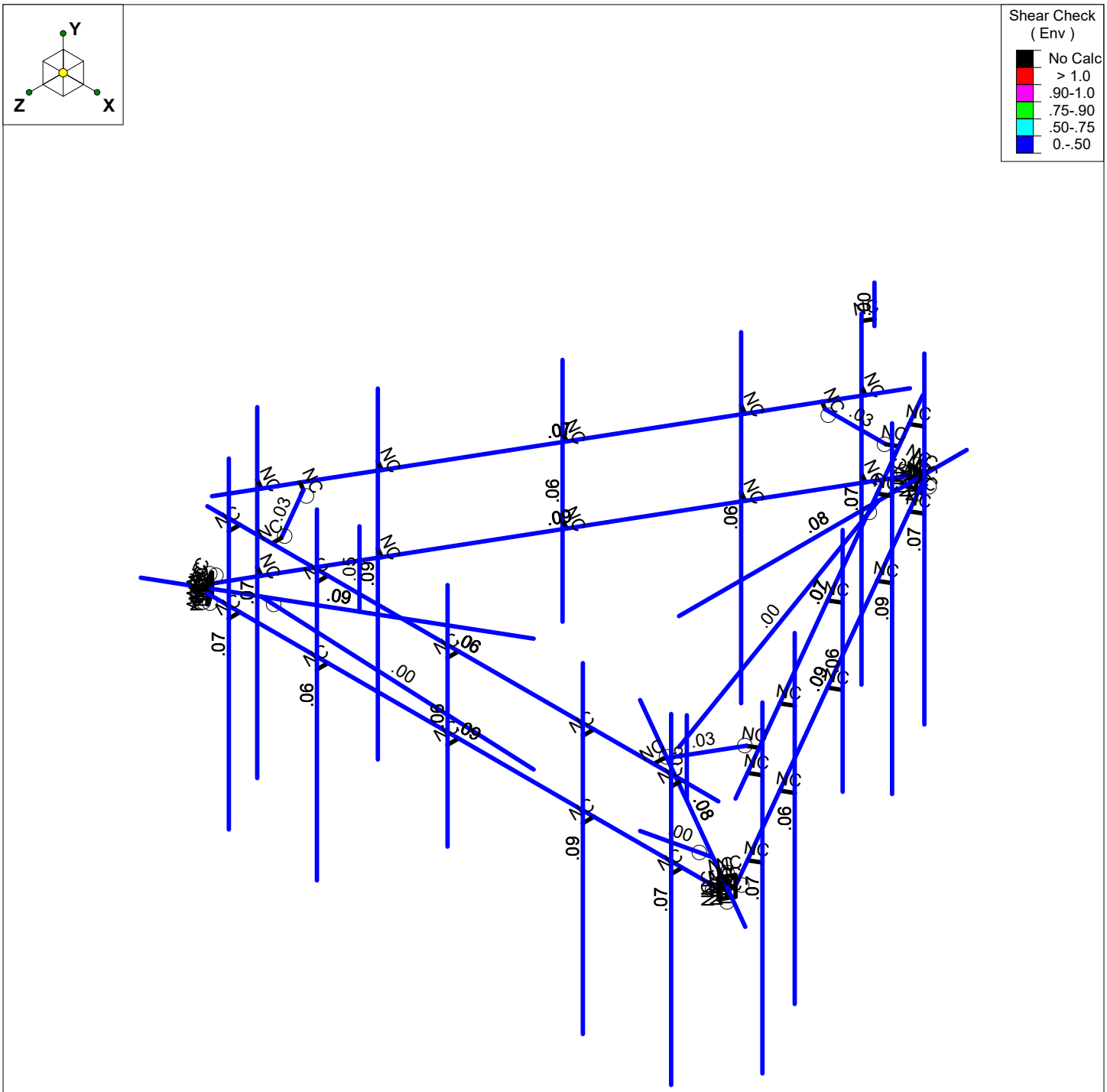


		SK - 1
		Oct 18, 2021 at 12:21 PM
		468847-VZW_MT_LO_H_MOD_.r3d



Member Code Checks Displayed (Enveloped)
Results for LC 1, 1.2D+1.0Wo (0 Deg)

		SK - 2
		Oct 18, 2021 at 12:22 PM
		468847-VZW_MT_LO_H_MOD_.r3d



Member Shear Checks Displayed (Enveloped)
Results for LC 1, 1.2D+1.0Wo (0 Deg)

		SK - 3
		Oct 18, 2021 at 12:22 PM
		468847-VZW_MT_LO_H_MOD_.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					114			
2	Antenna Di	None					114			
3	Antenna Wo (0 Deg)	None					114			
4	Antenna Wo (30 Deg)	None					114			
5	Antenna Wo (60 Deg)	None					114			
6	Antenna Wo (90 Deg)	None					114			
7	Antenna Wo (120 Deg)	None					114			
8	Antenna Wo (150 Deg)	None					114			
9	Antenna Wo (180 Deg)	None					114			
10	Antenna Wo (210 Deg)	None					114			
11	Antenna Wo (240 Deg)	None					114			
12	Antenna Wo (270 Deg)	None					114			
13	Antenna Wo (300 Deg)	None					114			
14	Antenna Wo (330 Deg)	None					114			
15	Antenna Wi (0 Deg)	None					114			
16	Antenna Wi (30 Deg)	None					114			
17	Antenna Wi (60 Deg)	None					114			
18	Antenna Wi (90 Deg)	None					114			
19	Antenna Wi (120 Deg)	None					114			
20	Antenna Wi (150 Deg)	None					114			
21	Antenna Wi (180 Deg)	None					114			
22	Antenna Wi (210 Deg)	None					114			
23	Antenna Wi (240 Deg)	None					114			
24	Antenna Wi (270 Deg)	None					114			
25	Antenna Wi (300 Deg)	None					114			
26	Antenna Wi (330 Deg)	None					114			
27	Antenna Wm (0 Deg)	None					114			
28	Antenna Wm (30 Deg)	None					114			
29	Antenna Wm (60 Deg)	None					114			
30	Antenna Wm (90 Deg)	None					114			
31	Antenna Wm (120 Deg)	None					114			
32	Antenna Wm (150 Deg)	None					114			
33	Antenna Wm (180 Deg)	None					114			
34	Antenna Wm (210 Deg)	None					114			
35	Antenna Wm (240 Deg)	None					114			
36	Antenna Wm (270 Deg)	None					114			
37	Antenna Wm (300 Deg)	None					114			
38	Antenna Wm (330 Deg)	None					114			
39	Structure D	None		-1					3	
40	Structure Di	None						33	3	
41	Structure Wo (0 Deg)	None						66		
42	Structure Wo (30 Deg)	None						66		
43	Structure Wo (60 Deg)	None						66		
44	Structure Wo (90 Deg)	None						66		
45	Structure Wo (120 D...	None						66		
46	Structure Wo (150 D...	None						66		
47	Structure Wo (180 D...	None						66		
48	Structure Wo (210 D...	None						66		
49	Structure Wo (240 D...	None						66		
50	Structure Wo (270 D...	None						66		
51	Structure Wo (300 D...	None						66		
52	Structure Wo (330 D...	None						66		
53	Structure Wi (0 Deg)	None						66		
54	Structure Wi (30 Deg)	None						66		
55	Structure Wi (60 Deg)	None						66		
56	Structure Wi (90 Deg)	None						66		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
57	Structure Wi (120 De...	None						66		
58	Structure Wi (150 De...	None						66		
59	Structure Wi (180 De...	None						66		
60	Structure Wi (210 De...	None						66		
61	Structure Wi (240 De...	None						66		
62	Structure Wi (270 De...	None						66		
63	Structure Wi (300 De...	None						66		
64	Structure Wi (330 De...	None						66		
65	Structure Wm (0 Deg)	None						66		
66	Structure Wm (30 De...	None						66		
67	Structure Wm (60 De...	None						66		
68	Structure Wm (90 De...	None						66		
69	Structure Wm (120 D...	None						66		
70	Structure Wm (150 D...	None						66		
71	Structure Wm (180 D...	None						66		
72	Structure Wm (210 D...	None						66		
73	Structure Wm (240 D...	None						66		
74	Structure Wm (270 D...	None						66		
75	Structure Wm (300 D...	None						66		
76	Structure Wm (330 D...	None						66		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Are...	None						15		
82	BLC 40 Transient Are...	None						15		

Load Combinations

	Description	So...	P...	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
1	1.2D+1.0Wo (0 ...	Yes	Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0Wo (30...	Yes	Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0Wo (60...	Yes	Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0Wo (90...	Yes	Y		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0Wo (12...	Yes	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0Wo (15...	Yes	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0Wo (18...	Yes	Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0Wo (21...	Yes	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0Wo (24...	Yes	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0Wo (27...	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0Wo (30...	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0Wo (33...	Yes	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 +...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 +...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										

Load Combinations (Continued)

	Description	So...	P...	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
27	1.2D + 1.5Lm1 +...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 +...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 +...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 +...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 +...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 +...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 +...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 +...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 +...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 +...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 +...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 +...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 +...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 +...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 +...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 +...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 +...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 +...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 +...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 +...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 +...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 +...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	Seismic Mass		Y		1	1	39	1																
53	1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1										
54	1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.866										
55	1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5										
56	1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX	1	SY	1	SZ											
57	1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5										
58	1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866										
59	1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX		SY	1	SZ	1										
60	1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866										
61	1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	.5										
62	1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ											
63	1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	-.5										
64	1.2D + 1.0Ev + 1...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	-.866										

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N3	0	0	-1.625	0	
2	N27	0	0	-9.239583	0	
3	CP	0	0	0	0	
4	N5	0	0	-7.90625	0	
5	N6	0.166667	0	-7.90625	0	
6	N7	-0.166667	0	-7.90625	0	
7	N8	0	.25	-7.90625	0	
8	N9	0.166667	.25	-7.90625	0	
9	N10	-0.166667	.25	-7.90625	0	
10	N11	0	-.25	-7.90625	0	
11	N12	0.166667	-.25	-7.90625	0	
12	N13	-0.166667	-.25	-7.90625	0	
13	N41	5.805351	0	4.097463	0	
14	N44	5.805351	0	4.389129	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
15	N48	5.805351	3.666667	4.389129	0	
16	N52	5.805351	-4.833333	4.389129	0	
17	N17	-1.407291	0	0.8125	0	
18	N18	-8.001714	0	4.619792	0	
19	N20	-6.847013	0	3.953125	0	
20	N21	-6.930347	0	3.808787	0	
21	N22	-6.76368	0	4.097463	0	
22	N23	-6.847013	.25	3.953125	0	
23	N24	-6.930347	.25	3.808787	0	
24	N25	-6.76368	.25	4.097463	0	
25	N26	-6.847013	-.25	3.953125	0	
26	N27A	-6.930347	-.25	3.808787	0	
27	N28	-6.76368	-.25	4.097463	0	
28	N29	1.407291	0	0.8125	0	
29	N30	8.001714	0	4.619792	0	
30	N32	6.847013	0	3.953125	0	
31	N33	6.76368	0	4.097463	0	
32	N34	6.930347	0	3.808787	0	
33	N35	6.847013	.25	3.953125	0	
34	N36	6.76368	.25	4.097463	0	
35	N37	6.930347	.25	3.808787	0	
36	N38	6.847013	-.25	3.953125	0	
37	N39	6.76368	-.25	4.097463	0	
38	N40	6.930347	-.25	3.808787	0	
39	N39A	-4.330127	0	2.5	0	
40	N40A	-4.330127	1.958333	2.5	0	
41	N41A	4.330127	0	2.5	0	
42	N42	4.330127	1.958333	2.5	0	
43	N43	3.472017	0	4.097463	0	
44	N44A	3.472017	0	4.389129	0	
45	N45	3.472017	3.666667	4.389129	0	
46	N46	3.472017	-4.833333	4.389129	0	
47	N47	-0.111316	0	4.097463	0	
48	N48A	-0.111316	0	4.389129	0	
49	N49	-0.111316	3.666667	4.389129	0	
50	N50	-0.111316	-2.333333	4.389129	0	
51	N51	-3.569649	0	4.097463	0	
52	N52A	-3.569649	0	4.389129	0	
53	N53	-3.569649	3.666667	4.389129	0	
54	N54	-3.569649	-4.833333	4.389129	0	
55	N55	-5.902983	0	4.097463	0	
56	N56	-5.902983	0	4.389129	0	
57	N57	-5.902983	3.666667	4.389129	0	
58	N58	-5.902983	-4.833333	4.389129	0	
59	N59	0.645831	0	-7.076313	0	
60	N60	0.898422	0	-7.222146	0	
61	N61	0.898422	3.666667	-7.222146	0	
62	N62	0.898422	-4.833333	-7.222146	0	
63	N63	1.812498	0	-5.055587	0	
64	N64	2.065089	0	-5.20142	0	
65	N65	2.065089	3.666667	-5.20142	0	
66	N66	2.065089	-4.833333	-5.20142	0	
67	N67	3.604165	0	-1.952329	0	
68	N68	3.856755	0	-2.098162	0	
69	N69	3.856755	3.666667	-2.098162	0	
70	N70	3.856755	-2.333333	-2.098162	0	
71	N71	5.333331	0	1.042676	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
72	N72	5.585922	0	0.896842	0	
73	N73	5.585922	3.666667	0.896842	0	
74	N74	5.585922	-4.833333	0.896842	0	
75	N75	6.499998	0	3.063402	0	
76	N76	6.752589	0	2.917568	0	
77	N77	6.752589	3.666667	2.917568	0	
78	N78	6.752589	-4.833333	2.917568	0	
79	N79	-6.451182	0	2.97885	0	
80	N80	-6.703773	0	2.833017	0	
81	N81	-6.703773	3.666667	2.833017	0	
82	N82	-6.703773	-4.833333	2.833017	0	
83	N83	-5.284515	0	0.958124	0	
84	N84	-5.537106	0	0.812291	0	
85	N85	-5.537106	3.666667	0.812291	0	
86	N86	-5.537106	-4.833333	0.812291	0	
87	N87	-3.492849	0	-2.145134	0	
88	N88	-3.745439	0	-2.290967	0	
89	N89	-3.745439	3.666667	-2.290967	0	
90	N90	-3.745439	-2.333333	-2.290967	0	
91	N91	-1.763682	0	-5.140138	0	
92	N92	-2.016273	0	-5.285972	0	
93	N93	-2.016273	3.666667	-5.285972	0	
94	N94	-2.016273	-4.833333	-5.285972	0	
95	N95	-0.597015	0	-7.160864	0	
96	N96	-0.849606	0	-7.306697	0	
97	N97	-0.849606	3.666667	-7.306697	0	
98	N98	-0.849606	-4.833333	-7.306697	0	
99	N99	-0.849606	3.5	-7.306697	0	
100	N100	-0.724606	3.5	-7.523204	0	
101	N101	-0.724606	4.333333	-7.523204	0	
102	N102	0	0	-4.791667	0	
103	N103	-4.149705	0	2.395833	0	
104	N104	4.149705	0	2.395833	0	
105	N105	-0.724606	3.333	-7.523204	0	
106	N106	0.166667	2	-7.90625	0	
107	N107	-0.166667	2	-7.90625	0	
108	N108	5.805351	2	4.097463	0	
109	N109	5.805351	2	4.389129	0	
110	N110	-6.930347	2	3.808787	0	
111	N111	-6.76368	2	4.097463	0	
112	N112	6.76368	2	4.097463	0	
113	N113	6.930347	2	3.808787	0	
114	N114	3.472017	2	4.097463	0	
115	N115	3.472017	2	4.389129	0	
116	N116	-0.111316	2	4.097463	0	
117	N117	-0.111316	2	4.389129	0	
118	N118	-3.569649	2	4.097463	0	
119	N119	-3.569649	2	4.389129	0	
120	N120	-5.902983	2	4.097463	0	
121	N121	-5.902983	2	4.389129	0	
122	N122	0.645831	2	-7.076313	0	
123	N123	0.898422	2	-7.222146	0	
124	N124	1.812498	2	-5.055587	0	
125	N125	2.065089	2	-5.20142	0	
126	N126	3.604165	2	-1.952329	0	
127	N127	3.856755	2	-2.098162	0	
128	N128	5.333331	2	1.042676	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
129	N129	5.585922	2	0.896842	0	
130	N130	6.499998	2	3.063402	0	
131	N131	6.752589	2	2.917568	0	
132	N132	-6.451182	2	2.97885	0	
133	N133	-6.703773	2	2.833017	0	
134	N134	-5.284515	2	0.958124	0	
135	N135	-5.537106	2	0.812291	0	
136	N136	-3.492849	2	-2.145134	0	
137	N137	-3.745439	2	-2.290967	0	
138	N138	-1.763682	2	-5.140138	0	
139	N139	-2.016273	2	-5.285972	0	
140	N140	-0.597015	2	-7.160864	0	
141	N141	-0.849606	2	-7.306697	0	
142	N142	5.055351	2	4.097463	0	
143	N143	-5.055351	2	4.097463	0	
144	N144	5.055351	2	3.847463	0	
145	N145	-5.055351	2	3.847463	0	
146	N146	1.020831	2	-6.426793	0	
147	N147	6.076182	2	2.329331	0	
148	N148	0.804325	2	-6.301793	0	
149	N149	5.859676	2	2.454331	0	
150	N150	-6.076182	2	2.329331	0	
151	N151	-1.020831	2	-6.426793	0	
152	N152	-5.859676	2	2.454331	0	
153	N153	-0.804325	2	-6.301793	0	
154	N154	0	-3	-1.625	0	
155	N155	-1.407291	-3	0.8125	0	
156	N156	1.407291	-3	0.8125	0	
157	N157	0	0	-6.90625	0	
158	N162	-5.980988	0	3.453125	0	
159	N164	5.980988	0	3.453125	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	HSS4X4X3	Beam	SquareTube	A500 Gr.B Rect	Typical	2.58	6.21	6.21	10
2	Standoff Horizontal	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
3	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
4	OVP Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
5	Small Pipe	PIPE_.75	Column	Pipe	A53 Gr.B	Typical	.312	.035	.035	.07
6	MOD HANDRAIL	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
7	MOD HANDRAIL BRACE	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
8	MOD KICKER	LL3x3x3x0	Beam	Double Angle (...	A36 Gr.36	Typical	2.18	3.35	1.9	.027

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E...	Density[k/ft...	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	.527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
7	A1085	29000	11154	.3	.65	.49	50	1.4	65	1.3
8	Q235	29000	11154	.3	.65	.49	35	1.5	58	1.2

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N3	N27			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
2	M2	N7	N5			RIGID	None	None	RIGID	Typical
3	M3	N6	N5			RIGID	None	None	RIGID	Typical
4	M4	N10	N8			RIGID	None	None	RIGID	Typical
5	M5	N9	N8			RIGID	None	None	RIGID	Typical
6	M6	N13	N11			RIGID	None	None	RIGID	Typical
7	M7	N12	N11			RIGID	None	None	RIGID	Typical
8	M8	N8	N5			RIGID	None	None	RIGID	Typical
9	M9	N11	N5			RIGID	None	None	RIGID	Typical
10	M10	N7	N10			RIGID	None	None	RIGID	Typical
11	M11	N6	N9			RIGID	None	None	RIGID	Typical
12	M12	N7	N13			RIGID	None	None	RIGID	Typical
13	M13	N6	N12			RIGID	None	None	RIGID	Typical
14	M14	N41	N44			RIGID	None	None	RIGID	Typical
15	MP1A	N48	N52			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
16	M16	N17	N18			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
17	M17	N22	N20			RIGID	None	None	RIGID	Typical
18	M18	N21	N20			RIGID	None	None	RIGID	Typical
19	M19	N25	N23			RIGID	None	None	RIGID	Typical
20	M20	N24	N23			RIGID	None	None	RIGID	Typical
21	M21	N28	N26			RIGID	None	None	RIGID	Typical
22	M22	N27A	N26			RIGID	None	None	RIGID	Typical
23	M23	N23	N20			RIGID	None	None	RIGID	Typical
24	M24	N26	N20			RIGID	None	None	RIGID	Typical
25	M25	N22	N25			RIGID	None	None	RIGID	Typical
26	M26	N21	N24			RIGID	None	None	RIGID	Typical
27	M27	N22	N28			RIGID	None	None	RIGID	Typical
28	M28	N21	N27A			RIGID	None	None	RIGID	Typical
29	M29	N29	N30			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
30	M30	N34	N32			RIGID	None	None	RIGID	Typical
31	M31	N33	N32			RIGID	None	None	RIGID	Typical
32	M32	N37	N35			RIGID	None	None	RIGID	Typical
33	M33	N36	N35			RIGID	None	None	RIGID	Typical
34	M34	N40	N38			RIGID	None	None	RIGID	Typical
35	M35	N39	N38			RIGID	None	None	RIGID	Typical
36	M36	N35	N32			RIGID	None	None	RIGID	Typical
37	M37	N38	N32			RIGID	None	None	RIGID	Typical
38	M38	N34	N37			RIGID	None	None	RIGID	Typical
39	M39	N33	N36			RIGID	None	None	RIGID	Typical
40	M40	N34	N40			RIGID	None	None	RIGID	Typical
41	M41	N33	N39			RIGID	None	None	RIGID	Typical
42	M42	N22	N33			Face Horizontal	Beam	SquareTube	A500 Gr.B...	Typical
43	M43	N34	N6			Face Horizontal	Beam	SquareTube	A500 Gr.B...	Typical
44	M44	N7	N21			Face Horizontal	Beam	SquareTube	A500 Gr.B...	Typical
45	OVP1	N40A	N39A			OVP Pipe	Column	Pipe	A53 Gr.B	Typical
46	OVP2	N42	N41A			OVP Pipe	Column	Pipe	A53 Gr.B	Typical
47	M47	N43	N44A			RIGID	None	None	RIGID	Typical
48	MP2A	N45	N46			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
49	M49	N47	N48A			RIGID	None	None	RIGID	Typical
50	MP3A	N49	N50			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
51	M51	N51	N52A			RIGID	None	None	RIGID	Typical
52	MP4A	N53	N54			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
53	M53	N55	N56			RIGID	None	None	RIGID	Typical
54	MP5A	N57	N58			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
55	M55	N59	N60			RIGID	None	None	RIGID	Typical
56	MP1C	N61	N62			Mount Pipe	Column	Pipe	A53 Gr.B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
57	M57	N63	N64			RIGID	None	None	RIGID	Typical
58	MP2C	N65	N66			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
59	M59	N67	N68			RIGID	None	None	RIGID	Typical
60	MP3C	N69	N70			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
61	M61	N71	N72			RIGID	None	None	RIGID	Typical
62	MP4C	N73	N74			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
63	M63	N75	N76			RIGID	None	None	RIGID	Typical
64	MP5C	N77	N78			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
65	M65	N79	N80			RIGID	None	None	RIGID	Typical
66	MP1B	N81	N82			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
67	M67	N83	N84			RIGID	None	None	RIGID	Typical
68	MP2B	N85	N86			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
69	M69	N87	N88			RIGID	None	None	RIGID	Typical
70	MP3B	N89	N90			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
71	M71	N91	N92			RIGID	None	None	RIGID	Typical
72	MP4B	N93	N94			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
73	M73	N95	N96			RIGID	None	None	RIGID	Typical
74	MP5B	N97	N98			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
75	M75	N100	N99			RIGID	None	None	RIGID	Typical
76	M76	N101	N105			Small Pipe	Column	Pipe	A53 Gr.B	Typical
77	M77	N108	N109			RIGID	None	None	RIGID	Typical
78	M78	N111	N112			MOD HANDR...	Column	Pipe	A53 Gr.B	Typical
79	M79	N113	N106			MOD HANDR...	Column	Pipe	A53 Gr.B	Typical
80	M80	N107	N110			MOD HANDR...	Column	Pipe	A53 Gr.B	Typical
81	M81	N114	N115			RIGID	None	None	RIGID	Typical
82	M82	N116	N117			RIGID	None	None	RIGID	Typical
83	M83	N118	N119			RIGID	None	None	RIGID	Typical
84	M84	N120	N121			RIGID	None	None	RIGID	Typical
85	M85	N122	N123			RIGID	None	None	RIGID	Typical
86	M86	N124	N125			RIGID	None	None	RIGID	Typical
87	M87	N126	N127			RIGID	None	None	RIGID	Typical
88	M88	N128	N129			RIGID	None	None	RIGID	Typical
89	M89	N130	N131			RIGID	None	None	RIGID	Typical
90	M90	N132	N133			RIGID	None	None	RIGID	Typical
91	M91	N134	N135			RIGID	None	None	RIGID	Typical
92	M92	N136	N137			RIGID	None	None	RIGID	Typical
93	M93	N138	N139			RIGID	None	None	RIGID	Typical
94	M94	N140	N141			RIGID	None	None	RIGID	Typical
95	M95	N142	N144			RIGID	None	None	RIGID	Typical
96	M96	N143	N145			RIGID	None	None	RIGID	Typical
97	M97	N146	N148			RIGID	None	None	RIGID	Typical
98	M98	N147	N149			RIGID	None	None	RIGID	Typical
99	M99	N150	N152			RIGID	None	None	RIGID	Typical
100	M100	N151	N153			RIGID	None	None	RIGID	Typical
101	M101	N144	N149		180	MOD HANDR...	Beam	Single Angle	A36 Gr.36	Typical
102	M102	N148	N153		180	MOD HANDR...	Beam	Single Angle	A36 Gr.36	Typical
103	M103	N152	N145		180	MOD HANDR...	Beam	Single Angle	A36 Gr.36	Typical
104	M104	N157	N154			MOD KICKER	Beam	Double Angle (...	A36 Gr.36	Typical
105	M105	N162	N155			MOD KICKER	Beam	Double Angle (...	A36 Gr.36	Typical
106	M106	N164	N156			MOD KICKER	Beam	Double Angle (...	A36 Gr.36	Typical

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
1	M1	Standoff Ho...	7.615			Lbyy						Lateral
2	MP1A	Mount Pipe	8.5									Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
3	M16	Standoff Ho...	7.615			Lbyy						Lateral
4	M29	Standoff Ho...	7.615			Lbyy						Lateral
5	M42	Face Horizo...	13.527			Lbyy						Lateral
6	M43	Face Horizo...	13.527			Lbyy						Lateral
7	M44	Face Horizo...	13.527			Lbyy						Lateral
8	OVP1	OVP Pipe	1.958									Lateral
9	OVP2	OVP Pipe	1.958									Lateral
10	MP2A	Mount Pipe	8.5									Lateral
11	MP3A	Mount Pipe	6									Lateral
12	MP4A	Mount Pipe	8.5									Lateral
13	MP5A	Mount Pipe	8.5									Lateral
14	MP1C	Mount Pipe	8.5									Lateral
15	MP2C	Mount Pipe	8.5									Lateral
16	MP3C	Mount Pipe	6									Lateral
17	MP4C	Mount Pipe	8.5									Lateral
18	MP5C	Mount Pipe	8.5									Lateral
19	MP1B	Mount Pipe	8.5									Lateral
20	MP2B	Mount Pipe	8.5									Lateral
21	MP3B	Mount Pipe	6									Lateral
22	MP4B	Mount Pipe	8.5									Lateral
23	MP5B	Mount Pipe	8.5									Lateral
24	M76	Small Pipe	1									Lateral
25	M78	MOD HAND...	13.527			Lbyy						Lateral
26	M79	MOD HAND...	13.527			Lbyy						Lateral
27	M80	MOD HAND...	13.527			Lbyy						Lateral
28	M101	MOD HAND...	1.609			Lbyy						Lateral
29	M102	MOD HAND...	1.609			Lbyy						Lateral
30	M103	MOD HAND...	1.609			Lbyy						Lateral
31	M104	MOD KICK...	6.074			Lbyy						Lateral
32	M105	MOD KICK...	6.074			Lbyy						Lateral
33	M106	MOD KICK...	6.074			Lbyy						Lateral

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-21.85	1
2	MP2A	My	-.011	1
3	MP2A	Mz	.013	1
4	MP2A	Y	-21.85	6
5	MP2A	My	-.011	6
6	MP2A	Mz	.013	6
7	MP2B	Y	-21.85	1
8	MP2B	My	-.008	1
9	MP2B	Mz	-.015	1
10	MP2B	Y	-21.85	6
11	MP2B	My	-.008	6
12	MP2B	Mz	-.015	6
13	MP2C	Y	-21.85	1
14	MP2C	My	.017	1
15	MP2C	Mz	.003	1
16	MP2C	Y	-21.85	6
17	MP2C	My	.017	6
18	MP2C	Mz	.003	6
19	MP2A	Y	-21.85	1
20	MP2A	My	-.011	1
21	MP2A	Mz	-.013	1

Member Point Loads (BLC 1 : Antenna D) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2A	Y	-21.85	6
23	MP2A	My	-.011	6
24	MP2A	Mz	-.013	6
25	MP2B	Y	-21.85	1
26	MP2B	My	.016	1
27	MP2B	Mz	-.006	1
28	MP2B	Y	-21.85	6
29	MP2B	My	.016	6
30	MP2B	Mz	-.006	6
31	MP2C	Y	-21.85	1
32	MP2C	My	-.006	1
33	MP2C	Mz	.016	1
34	MP2C	Y	-21.85	6
35	MP2C	My	-.006	6
36	MP2C	Mz	.016	6
37	MP4A	Y	-43.55	2
38	MP4A	My	-.022	2
39	MP4A	Mz	0	2
40	MP4A	Y	-43.55	4
41	MP4A	My	-.022	4
42	MP4A	Mz	0	4
43	MP4B	Y	-43.55	2
44	MP4B	My	.007	2
45	MP4B	Mz	-.02	2
46	MP4B	Y	-43.55	4
47	MP4B	My	.007	4
48	MP4B	Mz	-.02	4
49	MP4C	Y	-43.55	2
50	MP4C	My	.011	2
51	MP4C	Mz	.019	2
52	MP4C	Y	-43.55	4
53	MP4C	My	.011	4
54	MP4C	Mz	.019	4
55	MP2A	Y	-74.7	2
56	MP2A	My	.037	2
57	MP2A	Mz	0	2
58	MP2B	Y	-74.7	2
59	MP2B	My	-.013	2
60	MP2B	Mz	.035	2
61	MP2C	Y	-74.7	2
62	MP2C	My	-.019	2
63	MP2C	Mz	-.032	2
64	MP3A	Y	-70.3	2
65	MP3A	My	.035	2
66	MP3A	Mz	0	2
67	MP3B	Y	-70.3	2
68	MP3B	My	-.012	2
69	MP3B	Mz	.033	2
70	MP3C	Y	-70.3	2
71	MP3C	My	-.018	2
72	MP3C	Mz	-.03	2
73	MP1A	Y	-13.5	1
74	MP1A	My	-.007	1
75	MP1A	Mz	0	1
76	MP1A	Y	-13.5	6
77	MP1A	My	-.007	6
78	MP1A	Mz	0	6

Member Point Loads (BLC 1 : Antenna D) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP1B	Y	-13.5	1
80	MP1B	My	.002	1
81	MP1B	Mz	-.006	1
82	MP1B	Y	-13.5	6
83	MP1B	My	.002	6
84	MP1B	Mz	-.006	6
85	MP5A	Y	-13.5	1
86	MP5A	My	-.007	1
87	MP5A	Mz	0	1
88	MP5A	Y	-13.5	6
89	MP5A	My	-.007	6
90	MP5A	Mz	0	6
91	MP5B	Y	-13.5	1
92	MP5B	My	.002	1
93	MP5B	Mz	-.006	1
94	MP5B	Y	-13.5	6
95	MP5B	My	.002	6
96	MP5B	Mz	-.006	6
97	MP1C	Y	-10.5	1
98	MP1C	My	.003	1
99	MP1C	Mz	.005	1
100	MP1C	Y	-10.5	6
101	MP1C	My	.003	6
102	MP1C	Mz	.005	6
103	MP5C	Y	-10.5	1
104	MP5C	My	.003	1
105	MP5C	Mz	.005	1
106	MP5C	Y	-10.5	6
107	MP5C	My	.003	6
108	MP5C	Mz	.005	6
109	OVP1	Y	-32	.5
110	OVP1	My	-.016	.5
111	OVP1	Mz	0	.5
112	OVP2	Y	-32	.5
113	OVP2	My	.005	.5
114	OVP2	Mz	-.015	.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-96.357	1
2	MP2A	My	-.048	1
3	MP2A	Mz	.056	1
4	MP2A	Y	-96.357	6
5	MP2A	My	-.048	6
6	MP2A	Mz	.056	6
7	MP2B	Y	-96.357	1
8	MP2B	My	-.036	1
9	MP2B	Mz	-.064	1
10	MP2B	Y	-96.357	6
11	MP2B	My	-.036	6
12	MP2B	Mz	-.064	6
13	MP2C	Y	-96.357	1
14	MP2C	My	.073	1
15	MP2C	Mz	.014	1
16	MP2C	Y	-96.357	6
17	MP2C	My	.073	6

Member Point Loads (BLC 2 : Antenna Di) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2C	Mz	.014	6
19	MP2A	Y	-96.357	1
20	MP2A	My	-.048	1
21	MP2A	Mz	-.056	1
22	MP2A	Y	-96.357	6
23	MP2A	My	-.048	6
24	MP2A	Mz	-.056	6
25	MP2B	Y	-96.357	1
26	MP2B	My	.069	1
27	MP2B	Mz	-.026	1
28	MP2B	Y	-96.357	6
29	MP2B	My	.069	6
30	MP2B	Mz	-.026	6
31	MP2C	Y	-96.357	1
32	MP2C	My	-.025	1
33	MP2C	Mz	.07	1
34	MP2C	Y	-96.357	6
35	MP2C	My	-.025	6
36	MP2C	Mz	.07	6
37	MP4A	Y	-56.883	2
38	MP4A	My	-.028	2
39	MP4A	Mz	0	2
40	MP4A	Y	-56.883	4
41	MP4A	My	-.028	4
42	MP4A	Mz	0	4
43	MP4B	Y	-56.883	2
44	MP4B	My	.01	2
45	MP4B	Mz	-.027	2
46	MP4B	Y	-56.883	4
47	MP4B	My	.01	4
48	MP4B	Mz	-.027	4
49	MP4C	Y	-56.883	2
50	MP4C	My	.014	2
51	MP4C	Mz	.025	2
52	MP4C	Y	-56.883	4
53	MP4C	My	.014	4
54	MP4C	Mz	.025	4
55	MP2A	Y	-72.308	2
56	MP2A	My	.036	2
57	MP2A	Mz	0	2
58	MP2B	Y	-72.308	2
59	MP2B	My	-.012	2
60	MP2B	Mz	.034	2
61	MP2C	Y	-72.308	2
62	MP2C	My	-.018	2
63	MP2C	Mz	-.031	2
64	MP3A	Y	-68.983	2
65	MP3A	My	.034	2
66	MP3A	Mz	0	2
67	MP3B	Y	-68.983	2
68	MP3B	My	-.012	2
69	MP3B	Mz	.032	2
70	MP3C	Y	-68.983	2
71	MP3C	My	-.017	2
72	MP3C	Mz	-.03	2
73	MP1A	Y	-139.137	1
74	MP1A	My	-.07	1

Member Point Loads (BLC 2 : Antenna Di) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP1A	Mz	0	1
76	MP1A	Y	-139.137	6
77	MP1A	My	-.07	6
78	MP1A	Mz	0	6
79	MP1B	Y	-139.137	1
80	MP1B	My	.024	1
81	MP1B	Mz	-.065	1
82	MP1B	Y	-139.137	6
83	MP1B	My	.024	6
84	MP1B	Mz	-.065	6
85	MP5A	Y	-139.137	1
86	MP5A	My	-.07	1
87	MP5A	Mz	0	1
88	MP5A	Y	-139.137	6
89	MP5A	My	-.07	6
90	MP5A	Mz	0	6
91	MP5B	Y	-139.137	1
92	MP5B	My	.024	1
93	MP5B	Mz	-.065	1
94	MP5B	Y	-139.137	6
95	MP5B	My	.024	6
96	MP5B	Mz	-.065	6
97	MP1C	Y	-93.091	1
98	MP1C	My	.023	1
99	MP1C	Mz	.04	1
100	MP1C	Y	-93.091	6
101	MP1C	My	.023	6
102	MP1C	Mz	.04	6
103	MP5C	Y	-93.091	1
104	MP5C	My	.023	1
105	MP5C	Mz	.04	1
106	MP5C	Y	-93.091	6
107	MP5C	My	.023	6
108	MP5C	Mz	.04	6
109	OVP1	Y	-139.139	.5
110	OVP1	My	-.07	.5
111	OVP1	Mz	0	.5
112	OVP2	Y	-139.139	.5
113	OVP2	My	.024	.5
114	OVP2	Mz	-.065	.5

Member Point Loads (BLC 3 : Antenna Wo (0 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	-157.859	1
3	MP2A	Mx	-.092	1
4	MP2A	X	0	6
5	MP2A	Z	-157.859	6
6	MP2A	Mx	-.092	6
7	MP2B	X	0	1
8	MP2B	Z	-110.618	1
9	MP2B	Mx	.074	1
10	MP2B	X	0	6
11	MP2B	Z	-110.618	6
12	MP2B	Mx	.074	6
13	MP2C	X	0	1

Member Point Loads (BLC 3 : Antenna Wo (0 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP2C	Z	-117.735	1
15	MP2C	Mx	-.017	1
16	MP2C	X	0	6
17	MP2C	Z	-117.735	6
18	MP2C	Mx	-.017	6
19	MP2A	X	0	1
20	MP2A	Z	-157.859	1
21	MP2A	Mx	.092	1
22	MP2A	X	0	6
23	MP2A	Z	-157.859	6
24	MP2A	Mx	.092	6
25	MP2B	X	0	1
26	MP2B	Z	-110.618	1
27	MP2B	Mx	.03	1
28	MP2B	X	0	6
29	MP2B	Z	-110.618	6
30	MP2B	Mx	.03	6
31	MP2C	X	0	1
32	MP2C	Z	-117.735	1
33	MP2C	Mx	-.085	1
34	MP2C	X	0	6
35	MP2C	Z	-117.735	6
36	MP2C	Mx	-.085	6
37	MP4A	X	0	2
38	MP4A	Z	-91.824	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	-91.824	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	-42.485	2
45	MP4B	Mx	.02	2
46	MP4B	X	0	4
47	MP4B	Z	-42.485	4
48	MP4B	Mx	.02	4
49	MP4C	X	0	2
50	MP4C	Z	-49.918	2
51	MP4C	Mx	-.022	2
52	MP4C	X	0	4
53	MP4C	Z	-49.918	4
54	MP4C	Mx	-.022	4
55	MP2A	X	0	2
56	MP2A	Z	-73.068	2
57	MP2A	Mx	0	2
58	MP2B	X	0	2
59	MP2B	Z	-51.676	2
60	MP2B	Mx	-.024	2
61	MP2C	X	0	2
62	MP2C	Z	-54.899	2
63	MP2C	Mx	.024	2
64	MP3A	X	0	2
65	MP3A	Z	-73.068	2
66	MP3A	Mx	0	2
67	MP3B	X	0	2
68	MP3B	Z	-47.795	2
69	MP3B	Mx	-.022	2
70	MP3C	X	0	2

Member Point Loads (BLC 3 : Antenna Wo (0 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP3C	Z	-51.602	2
72	MP3C	Mx	.022	2
73	MP1A	X	0	1
74	MP1A	Z	-187.555	1
75	MP1A	Mx	0	1
76	MP1A	X	0	6
77	MP1A	Z	-187.555	6
78	MP1A	Mx	0	6
79	MP1B	X	0	1
80	MP1B	Z	-169.867	1
81	MP1B	Mx	.08	1
82	MP1B	X	0	6
83	MP1B	Z	-169.867	6
84	MP1B	Mx	.08	6
85	MP5A	X	0	1
86	MP5A	Z	-187.555	1
87	MP5A	Mx	0	1
88	MP5A	X	0	6
89	MP5A	Z	-187.555	6
90	MP5A	Mx	0	6
91	MP5B	X	0	1
92	MP5B	Z	-169.867	1
93	MP5B	Mx	.08	1
94	MP5B	X	0	6
95	MP5B	Z	-169.867	6
96	MP5B	Mx	.08	6
97	MP1C	X	0	1
98	MP1C	Z	-147.578	1
99	MP1C	Mx	-.064	1
100	MP1C	X	0	6
101	MP1C	Z	-147.578	6
102	MP1C	Mx	-.064	6
103	MP5C	X	0	1
104	MP5C	Z	-147.578	1
105	MP5C	Mx	-.064	1
106	MP5C	X	0	6
107	MP5C	Z	-147.578	6
108	MP5C	Mx	-.064	6
109	OVP1	X	0	.5
110	OVP1	Z	-158.64	.5
111	OVP1	Mx	0	.5
112	OVP2	X	0	.5
113	OVP2	Z	-125.431	.5
114	OVP2	Mx	.059	.5

Member Point Loads (BLC 4 : Antenna Wo (30 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	72.242	1
2	MP2A	Z	-125.127	1
3	MP2A	Mx	-.109	1
4	MP2A	X	72.242	6
5	MP2A	Z	-125.127	6
6	MP2A	Mx	-.109	6
7	MP2B	X	52.987	1
8	MP2B	Z	-91.775	1
9	MP2B	Mx	.041	1

Member Point Loads (BLC 4 : Antenna Wo (30 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP2B	X	52.987	6
11	MP2B	Z	-91.775	6
12	MP2B	Mx	.041	6
13	MP2C	X	72.242	1
14	MP2C	Z	-125.127	1
15	MP2C	Mx	.037	1
16	MP2C	X	72.242	6
17	MP2C	Z	-125.127	6
18	MP2C	Mx	.037	6
19	MP2A	X	72.242	1
20	MP2A	Z	-125.127	1
21	MP2A	Mx	.037	1
22	MP2A	X	72.242	6
23	MP2A	Z	-125.127	6
24	MP2A	Mx	.037	6
25	MP2B	X	52.987	1
26	MP2B	Z	-91.775	1
27	MP2B	Mx	.063	1
28	MP2B	X	52.987	6
29	MP2B	Z	-91.775	6
30	MP2B	Mx	.063	6
31	MP2C	X	72.242	1
32	MP2C	Z	-125.127	1
33	MP2C	Mx	-.109	1
34	MP2C	X	72.242	6
35	MP2C	Z	-125.127	6
36	MP2C	Mx	-.109	6
37	MP4A	X	38.927	2
38	MP4A	Z	-67.424	2
39	MP4A	Mx	-.019	2
40	MP4A	X	38.927	4
41	MP4A	Z	-67.424	4
42	MP4A	Mx	-.019	4
43	MP4B	X	18.817	2
44	MP4B	Z	-32.592	2
45	MP4B	Mx	.019	2
46	MP4B	X	18.817	4
47	MP4B	Z	-32.592	4
48	MP4B	Mx	.019	4
49	MP4C	X	38.927	2
50	MP4C	Z	-67.424	2
51	MP4C	Mx	-.019	2
52	MP4C	X	38.927	4
53	MP4C	Z	-67.424	4
54	MP4C	Mx	-.019	4
55	MP2A	X	33.506	2
56	MP2A	Z	-58.034	2
57	MP2A	Mx	.017	2
58	MP2B	X	24.786	2
59	MP2B	Z	-42.931	2
60	MP2B	Mx	-.024	2
61	MP2C	X	33.506	2
62	MP2C	Z	-58.034	2
63	MP2C	Mx	.017	2
64	MP3A	X	32.956	2
65	MP3A	Z	-57.082	2
66	MP3A	Mx	.016	2

Member Point Loads (BLC 4 : Antenna Wo (30 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP3B	X	22.655	2
68	MP3B	Z	-39.239	2
69	MP3B	Mx	-.022	2
70	MP3C	X	32.956	2
71	MP3C	Z	-57.082	2
72	MP3C	Mx	.016	2
73	MP1A	X	91.274	1
74	MP1A	Z	-158.09	1
75	MP1A	Mx	-.046	1
76	MP1A	X	91.274	6
77	MP1A	Z	-158.09	6
78	MP1A	Mx	-.046	6
79	MP1B	X	84.064	1
80	MP1B	Z	-145.603	1
81	MP1B	Mx	.083	1
82	MP1B	X	84.064	6
83	MP1B	Z	-145.603	6
84	MP1B	Mx	.083	6
85	MP5A	X	91.274	1
86	MP5A	Z	-158.09	1
87	MP5A	Mx	-.046	1
88	MP5A	X	91.274	6
89	MP5A	Z	-158.09	6
90	MP5A	Mx	-.046	6
91	MP5B	X	84.064	1
92	MP5B	Z	-145.603	1
93	MP5B	Mx	.083	1
94	MP5B	X	84.064	6
95	MP5B	Z	-145.603	6
96	MP5B	Mx	.083	6
97	MP1C	X	52.795	1
98	MP1C	Z	-91.443	1
99	MP1C	Mx	-.026	1
100	MP1C	X	52.795	6
101	MP1C	Z	-91.443	6
102	MP1C	Mx	-.026	6
103	MP5C	X	52.795	1
104	MP5C	Z	-91.443	1
105	MP5C	Mx	-.026	1
106	MP5C	X	52.795	6
107	MP5C	Z	-91.443	6
108	MP5C	Mx	-.026	6
109	OVP1	X	74.619	.5
110	OVP1	Z	-129.244	.5
111	OVP1	Mx	-.037	.5
112	OVP2	X	61.083	.5
113	OVP2	Z	-105.798	.5
114	OVP2	Mx	.06	.5

Member Point Loads (BLC 5 : Antenna Wo (60 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	101.961	1
2	MP2A	Z	-58.867	1
3	MP2A	Mx	-.085	1
4	MP2A	X	101.961	6
5	MP2A	Z	-58.867	6

Member Point Loads (BLC 5 : Antenna Wo (60 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2A	Mx	-.085	6
7	MP2B	X	109.521	1
8	MP2B	Z	-63.232	1
9	MP2B	Mx	.001	1
10	MP2B	X	109.521	6
11	MP2B	Z	-63.232	6
12	MP2B	Mx	.001	6
13	MP2C	X	136.71	1
14	MP2C	Z	-78.929	1
15	MP2C	Mx	.092	1
16	MP2C	X	136.71	6
17	MP2C	Z	-78.929	6
18	MP2C	Mx	.092	6
19	MP2A	X	101.961	1
20	MP2A	Z	-58.867	1
21	MP2A	Mx	-.017	1
22	MP2A	X	101.961	6
23	MP2A	Z	-58.867	6
24	MP2A	Mx	-.017	6
25	MP2B	X	109.521	1
26	MP2B	Z	-63.232	1
27	MP2B	Mx	.096	1
28	MP2B	X	109.521	6
29	MP2B	Z	-63.232	6
30	MP2B	Mx	.096	6
31	MP2C	X	136.71	1
32	MP2C	Z	-78.929	1
33	MP2C	Mx	-.092	1
34	MP2C	X	136.71	6
35	MP2C	Z	-78.929	6
36	MP2C	Mx	-.092	6
37	MP4A	X	43.23	2
38	MP4A	Z	-24.959	2
39	MP4A	Mx	-.022	2
40	MP4A	X	43.23	4
41	MP4A	Z	-24.959	4
42	MP4A	Mx	-.022	4
43	MP4B	X	51.126	2
44	MP4B	Z	-29.517	2
45	MP4B	Mx	.023	2
46	MP4B	X	51.126	4
47	MP4B	Z	-29.517	4
48	MP4B	Mx	.023	4
49	MP4C	X	79.522	2
50	MP4C	Z	-45.912	2
51	MP4C	Mx	0	2
52	MP4C	X	79.522	4
53	MP4C	Z	-45.912	4
54	MP4C	Mx	0	4
55	MP2A	X	47.544	2
56	MP2A	Z	-27.449	2
57	MP2A	Mx	.024	2
58	MP2B	X	50.967	2
59	MP2B	Z	-29.426	2
60	MP2B	Mx	-.023	2
61	MP2C	X	63.279	2
62	MP2C	Z	-36.534	2

Member Point Loads (BLC 5 : Antenna Wo (60 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP2C	Mx	0	2
64	MP3A	X	44.689	2
65	MP3A	Z	-25.801	2
66	MP3A	Mx	.022	2
67	MP3B	X	48.733	2
68	MP3B	Z	-28.136	2
69	MP3B	Mx	-.022	2
70	MP3C	X	63.279	2
71	MP3C	Z	-36.534	2
72	MP3C	Mx	0	2
73	MP1A	X	149.417	1
74	MP1A	Z	-86.266	1
75	MP1A	Mx	-.075	1
76	MP1A	X	149.417	6
77	MP1A	Z	-86.266	6
78	MP1A	Mx	-.075	6
79	MP1B	X	152.248	1
80	MP1B	Z	-87.9	1
81	MP1B	Mx	.067	1
82	MP1B	X	152.248	6
83	MP1B	Z	-87.9	6
84	MP1B	Mx	.067	6
85	MP5A	X	149.417	1
86	MP5A	Z	-86.266	1
87	MP5A	Mx	-.075	1
88	MP5A	X	149.417	6
89	MP5A	Z	-86.266	6
90	MP5A	Mx	-.075	6
91	MP5B	X	152.248	1
92	MP5B	Z	-87.9	1
93	MP5B	Mx	.067	1
94	MP5B	X	152.248	6
95	MP5B	Z	-87.9	6
96	MP5B	Mx	.067	6
97	MP1C	X	73.261	1
98	MP1C	Z	-42.298	1
99	MP1C	Mx	0	1
100	MP1C	X	73.261	6
101	MP1C	Z	-42.298	6
102	MP1C	Mx	0	6
103	MP5C	X	73.261	1
104	MP5C	Z	-42.298	1
105	MP5C	Mx	0	1
106	MP5C	X	73.261	6
107	MP5C	Z	-42.298	6
108	MP5C	Mx	0	6
109	OVP1	X	112.959	.5
110	OVP1	Z	-65.217	.5
111	OVP1	Mx	-.056	.5
112	OVP2	X	118.273	.5
113	OVP2	Z	-68.285	.5
114	OVP2	Mx	.052	.5

Member Point Loads (BLC 6 : Antenna Wo (90 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	104.36	1

Member Point Loads (BLC 6 : Antenna Wo (90 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP2A	Z	0	1
3	MP2A	Mx	-.052	1
4	MP2A	X	104.36	6
5	MP2A	Z	0	6
6	MP2A	Mx	-.052	6
7	MP2B	X	151.6	1
8	MP2B	Z	0	1
9	MP2B	Mx	-.057	1
10	MP2B	X	151.6	6
11	MP2B	Z	0	6
12	MP2B	Mx	-.057	6
13	MP2C	X	144.484	1
14	MP2C	Z	0	1
15	MP2C	Mx	.109	1
16	MP2C	X	144.484	6
17	MP2C	Z	0	6
18	MP2C	Mx	.109	6
19	MP2A	X	104.36	1
20	MP2A	Z	0	1
21	MP2A	Mx	-.052	1
22	MP2A	X	104.36	6
23	MP2A	Z	0	6
24	MP2A	Mx	-.052	6
25	MP2B	X	151.6	1
26	MP2B	Z	0	1
27	MP2B	Mx	.109	1
28	MP2B	X	151.6	6
29	MP2B	Z	0	6
30	MP2B	Mx	.109	6
31	MP2C	X	144.484	1
32	MP2C	Z	0	1
33	MP2C	Mx	-.037	1
34	MP2C	X	144.484	6
35	MP2C	Z	0	6
36	MP2C	Mx	-.037	6
37	MP4A	X	35.949	2
38	MP4A	Z	0	2
39	MP4A	Mx	-.018	2
40	MP4A	X	35.949	4
41	MP4A	Z	0	4
42	MP4A	Mx	-.018	4
43	MP4B	X	85.288	2
44	MP4B	Z	0	2
45	MP4B	Mx	.015	2
46	MP4B	X	85.288	4
47	MP4B	Z	0	4
48	MP4B	Mx	.015	4
49	MP4C	X	77.855	2
50	MP4C	Z	0	2
51	MP4C	Mx	.019	2
52	MP4C	X	77.855	4
53	MP4C	Z	0	4
54	MP4C	Mx	.019	4
55	MP2A	X	48.842	2
56	MP2A	Z	0	2
57	MP2A	Mx	.024	2
58	MP2B	X	70.234	2

Member Point Loads (BLC 6 : Antenna Wo (90 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP2B	Z	0	2
60	MP2B	Mx	-.012	2
61	MP2C	X	67.012	2
62	MP2C	Z	0	2
63	MP2C	Mx	-.017	2
64	MP3A	X	44.447	2
65	MP3A	Z	0	2
66	MP3A	Mx	.022	2
67	MP3B	X	69.72	2
68	MP3B	Z	0	2
69	MP3B	Mx	-.012	2
70	MP3C	X	65.913	2
71	MP3C	Z	0	2
72	MP3C	Mx	-.016	2
73	MP1A	X	167.524	1
74	MP1A	Z	0	1
75	MP1A	Mx	-.084	1
76	MP1A	X	167.524	6
77	MP1A	Z	0	6
78	MP1A	Mx	-.084	6
79	MP1B	X	185.212	1
80	MP1B	Z	0	1
81	MP1B	Mx	.032	1
82	MP1B	X	185.212	6
83	MP1B	Z	0	6
84	MP1B	Mx	.032	6
85	MP5A	X	167.524	1
86	MP5A	Z	0	1
87	MP5A	Mx	-.084	1
88	MP5A	X	167.524	6
89	MP5A	Z	0	6
90	MP5A	Mx	-.084	6
91	MP5B	X	185.212	1
92	MP5B	Z	0	1
93	MP5B	Mx	.032	1
94	MP5B	X	185.212	6
95	MP5B	Z	0	6
96	MP5B	Mx	.032	6
97	MP1C	X	105.589	1
98	MP1C	Z	0	1
99	MP1C	Mx	.026	1
100	MP1C	X	105.589	6
101	MP1C	Z	0	6
102	MP1C	Mx	.026	6
103	MP5C	X	105.589	1
104	MP5C	Z	0	1
105	MP5C	Mx	.026	1
106	MP5C	X	105.589	6
107	MP5C	Z	0	6
108	MP5C	Mx	.026	6
109	OVP1	X	121.031	.5
110	OVP1	Z	0	.5
111	OVP1	Mx	-.061	.5
112	OVP2	X	154.241	.5
113	OVP2	Z	0	.5
114	OVP2	Mx	.026	.5

Member Point Loads (BLC 7 : Antenna Wo (120 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	101.961	1
2	MP2A	Z	58.867	1
3	MP2A	Mx	-.017	1
4	MP2A	X	101.961	6
5	MP2A	Z	58.867	6
6	MP2A	Mx	-.017	6
7	MP2B	X	135.312	1
8	MP2B	Z	78.123	1
9	MP2B	Mx	-.103	1
10	MP2B	X	135.312	6
11	MP2B	Z	78.123	6
12	MP2B	Mx	-.103	6
13	MP2C	X	101.961	1
14	MP2C	Z	58.867	1
15	MP2C	Mx	.085	1
16	MP2C	X	101.961	6
17	MP2C	Z	58.867	6
18	MP2C	Mx	.085	6
19	MP2A	X	101.961	1
20	MP2A	Z	58.867	1
21	MP2A	Mx	-.085	1
22	MP2A	X	101.961	6
23	MP2A	Z	58.867	6
24	MP2A	Mx	-.085	6
25	MP2B	X	135.312	1
26	MP2B	Z	78.123	1
27	MP2B	Mx	.076	1
28	MP2B	X	135.312	6
29	MP2B	Z	78.123	6
30	MP2B	Mx	.076	6
31	MP2C	X	101.961	1
32	MP2C	Z	58.867	1
33	MP2C	Mx	.017	1
34	MP2C	X	101.961	6
35	MP2C	Z	58.867	6
36	MP2C	Mx	.017	6
37	MP4A	X	43.23	2
38	MP4A	Z	24.959	2
39	MP4A	Mx	-.022	2
40	MP4A	X	43.23	4
41	MP4A	Z	24.959	4
42	MP4A	Mx	-.022	4
43	MP4B	X	78.063	2
44	MP4B	Z	45.069	2
45	MP4B	Mx	-.008	2
46	MP4B	X	78.063	4
47	MP4B	Z	45.069	4
48	MP4B	Mx	-.008	4
49	MP4C	X	43.23	2
50	MP4C	Z	24.959	2
51	MP4C	Mx	.022	2
52	MP4C	X	43.23	4
53	MP4C	Z	24.959	4
54	MP4C	Mx	.022	4
55	MP2A	X	47.544	2
56	MP2A	Z	27.449	2
57	MP2A	Mx	.024	2

Member Point Loads (BLC 7 : Antenna Wo (120 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	62.646	2
59	MP2B	Z	36.169	2
60	MP2B	Mx	.006	2
61	MP2C	X	47.544	2
62	MP2C	Z	27.449	2
63	MP2C	Mx	-.024	2
64	MP3A	X	44.689	2
65	MP3A	Z	25.801	2
66	MP3A	Mx	.022	2
67	MP3B	X	62.532	2
68	MP3B	Z	36.103	2
69	MP3B	Mx	.006	2
70	MP3C	X	44.689	2
71	MP3C	Z	25.801	2
72	MP3C	Mx	-.022	2
73	MP1A	X	149.417	1
74	MP1A	Z	86.266	1
75	MP1A	Mx	-.075	1
76	MP1A	X	149.417	6
77	MP1A	Z	86.266	6
78	MP1A	Mx	-.075	6
79	MP1B	X	161.904	1
80	MP1B	Z	93.475	1
81	MP1B	Mx	-.016	1
82	MP1B	X	161.904	6
83	MP1B	Z	93.475	6
84	MP1B	Mx	-.016	6
85	MP5A	X	149.417	1
86	MP5A	Z	86.266	1
87	MP5A	Mx	-.075	1
88	MP5A	X	149.417	6
89	MP5A	Z	86.266	6
90	MP5A	Mx	-.075	6
91	MP5B	X	161.904	1
92	MP5B	Z	93.475	1
93	MP5B	Mx	-.016	1
94	MP5B	X	161.904	6
95	MP5B	Z	93.475	6
96	MP5B	Mx	-.016	6
97	MP1C	X	127.806	1
98	MP1C	Z	73.789	1
99	MP1C	Mx	.064	1
100	MP1C	X	127.806	6
101	MP1C	Z	73.789	6
102	MP1C	Mx	.064	6
103	MP5C	X	127.806	1
104	MP5C	Z	73.789	1
105	MP5C	Mx	.064	1
106	MP5C	X	127.806	6
107	MP5C	Z	73.789	6
108	MP5C	Mx	.064	6
109	OVP1	X	112.959	.5
110	OVP1	Z	65.217	.5
111	OVP1	Mx	-.056	.5
112	OVP2	X	136.404	.5
113	OVP2	Z	78.753	.5
114	OVP2	Mx	-.014	.5

Member Point Loads (BLC 8 : Antenna Wo (150 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	72.242	1
2	MP2A	Z	125.127	1
3	MP2A	Mx	.037	1
4	MP2A	X	72.242	6
5	MP2A	Z	125.127	6
6	MP2A	Mx	.037	6
7	MP2B	X	67.877	1
8	MP2B	Z	117.567	1
9	MP2B	Mx	-.104	1
10	MP2B	X	67.877	6
11	MP2B	Z	117.567	6
12	MP2B	Mx	-.104	6
13	MP2C	X	52.18	1
14	MP2C	Z	90.378	1
15	MP2C	Mx	.052	1
16	MP2C	X	52.18	6
17	MP2C	Z	90.378	6
18	MP2C	Mx	.052	6
19	MP2A	X	72.242	1
20	MP2A	Z	125.127	1
21	MP2A	Mx	-.109	1
22	MP2A	X	72.242	6
23	MP2A	Z	125.127	6
24	MP2A	Mx	-.109	6
25	MP2B	X	67.877	1
26	MP2B	Z	117.567	1
27	MP2B	Mx	.017	1
28	MP2B	X	67.877	6
29	MP2B	Z	117.567	6
30	MP2B	Mx	.017	6
31	MP2C	X	52.18	1
32	MP2C	Z	90.378	1
33	MP2C	Mx	.052	1
34	MP2C	X	52.18	6
35	MP2C	Z	90.378	6
36	MP2C	Mx	.052	6
37	MP4A	X	38.927	2
38	MP4A	Z	67.424	2
39	MP4A	Mx	-.019	2
40	MP4A	X	38.927	4
41	MP4A	Z	67.424	4
42	MP4A	Mx	-.019	4
43	MP4B	X	34.369	2
44	MP4B	Z	59.528	2
45	MP4B	Mx	-.022	2
46	MP4B	X	34.369	4
47	MP4B	Z	59.528	4
48	MP4B	Mx	-.022	4
49	MP4C	X	17.974	2
50	MP4C	Z	31.133	2
51	MP4C	Mx	.018	2
52	MP4C	X	17.974	4
53	MP4C	Z	31.133	4
54	MP4C	Mx	.018	4
55	MP2A	X	33.506	2
56	MP2A	Z	58.034	2
57	MP2A	Mx	.017	2

Member Point Loads (BLC 8 : Antenna Wo (150 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	31.529	2
59	MP2B	Z	54.61	2
60	MP2B	Mx	.02	2
61	MP2C	X	24.421	2
62	MP2C	Z	42.299	2
63	MP2C	Mx	-.024	2
64	MP3A	X	32.956	2
65	MP3A	Z	57.082	2
66	MP3A	Mx	.016	2
67	MP3B	X	30.621	2
68	MP3B	Z	53.038	2
69	MP3B	Mx	.02	2
70	MP3C	X	22.223	2
71	MP3C	Z	38.492	2
72	MP3C	Mx	-.022	2
73	MP1A	X	91.274	1
74	MP1A	Z	158.09	1
75	MP1A	Mx	-.046	1
76	MP1A	X	91.274	6
77	MP1A	Z	158.09	6
78	MP1A	Mx	-.046	6
79	MP1B	X	89.639	1
80	MP1B	Z	155.26	1
81	MP1B	Mx	-.058	1
82	MP1B	X	89.639	6
83	MP1B	Z	155.26	6
84	MP1B	Mx	-.058	6
85	MP5A	X	91.274	1
86	MP5A	Z	158.09	1
87	MP5A	Mx	-.046	1
88	MP5A	X	91.274	6
89	MP5A	Z	158.09	6
90	MP5A	Mx	-.046	6
91	MP5B	X	89.639	1
92	MP5B	Z	155.26	1
93	MP5B	Mx	-.058	1
94	MP5B	X	89.639	6
95	MP5B	Z	155.26	6
96	MP5B	Mx	-.058	6
97	MP1C	X	84.286	1
98	MP1C	Z	145.987	1
99	MP1C	Mx	.084	1
100	MP1C	X	84.286	6
101	MP1C	Z	145.987	6
102	MP1C	Mx	.084	6
103	MP5C	X	84.286	1
104	MP5C	Z	145.987	1
105	MP5C	Mx	.084	1
106	MP5C	X	84.286	6
107	MP5C	Z	145.987	6
108	MP5C	Mx	.084	6
109	OVP1	X	74.619	.5
110	OVP1	Z	129.244	.5
111	OVP1	Mx	-.037	.5
112	OVP2	X	71.551	.5
113	OVP2	Z	123.929	.5
114	OVP2	Mx	-.046	.5

Member Point Loads (BLC 9 : Antenna Wo (180 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	157.859	1
3	MP2A	Mx	.092	1
4	MP2A	X	0	6
5	MP2A	Z	157.859	6
6	MP2A	Mx	.092	6
7	MP2B	X	0	1
8	MP2B	Z	110.618	1
9	MP2B	Mx	-.074	1
10	MP2B	X	0	6
11	MP2B	Z	110.618	6
12	MP2B	Mx	-.074	6
13	MP2C	X	0	1
14	MP2C	Z	117.735	1
15	MP2C	Mx	.017	1
16	MP2C	X	0	6
17	MP2C	Z	117.735	6
18	MP2C	Mx	.017	6
19	MP2A	X	0	1
20	MP2A	Z	157.859	1
21	MP2A	Mx	-.092	1
22	MP2A	X	0	6
23	MP2A	Z	157.859	6
24	MP2A	Mx	-.092	6
25	MP2B	X	0	1
26	MP2B	Z	110.618	1
27	MP2B	Mx	-.03	1
28	MP2B	X	0	6
29	MP2B	Z	110.618	6
30	MP2B	Mx	-.03	6
31	MP2C	X	0	1
32	MP2C	Z	117.735	1
33	MP2C	Mx	.085	1
34	MP2C	X	0	6
35	MP2C	Z	117.735	6
36	MP2C	Mx	.085	6
37	MP4A	X	0	2
38	MP4A	Z	91.824	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	91.824	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	42.485	2
45	MP4B	Mx	-.02	2
46	MP4B	X	0	4
47	MP4B	Z	42.485	4
48	MP4B	Mx	-.02	4
49	MP4C	X	0	2
50	MP4C	Z	49.918	2
51	MP4C	Mx	.022	2
52	MP4C	X	0	4
53	MP4C	Z	49.918	4
54	MP4C	Mx	.022	4
55	MP2A	X	0	2
56	MP2A	Z	73.068	2
57	MP2A	Mx	0	2

Member Point Loads (BLC 9 : Antenna Wo (180 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	0	2
59	MP2B	Z	51.676	2
60	MP2B	Mx	.024	2
61	MP2C	X	0	2
62	MP2C	Z	54.899	2
63	MP2C	Mx	-.024	2
64	MP3A	X	0	2
65	MP3A	Z	73.068	2
66	MP3A	Mx	0	2
67	MP3B	X	0	2
68	MP3B	Z	47.795	2
69	MP3B	Mx	.022	2
70	MP3C	X	0	2
71	MP3C	Z	51.602	2
72	MP3C	Mx	-.022	2
73	MP1A	X	0	1
74	MP1A	Z	187.555	1
75	MP1A	Mx	0	1
76	MP1A	X	0	6
77	MP1A	Z	187.555	6
78	MP1A	Mx	0	6
79	MP1B	X	0	1
80	MP1B	Z	169.867	1
81	MP1B	Mx	-.08	1
82	MP1B	X	0	6
83	MP1B	Z	169.867	6
84	MP1B	Mx	-.08	6
85	MP5A	X	0	1
86	MP5A	Z	187.555	1
87	MP5A	Mx	0	1
88	MP5A	X	0	6
89	MP5A	Z	187.555	6
90	MP5A	Mx	0	6
91	MP5B	X	0	1
92	MP5B	Z	169.867	1
93	MP5B	Mx	-.08	1
94	MP5B	X	0	6
95	MP5B	Z	169.867	6
96	MP5B	Mx	-.08	6
97	MP1C	X	0	1
98	MP1C	Z	147.578	1
99	MP1C	Mx	.064	1
100	MP1C	X	0	6
101	MP1C	Z	147.578	6
102	MP1C	Mx	.064	6
103	MP5C	X	0	1
104	MP5C	Z	147.578	1
105	MP5C	Mx	.064	1
106	MP5C	X	0	6
107	MP5C	Z	147.578	6
108	MP5C	Mx	.064	6
109	OVP1	X	0	.5
110	OVP1	Z	158.64	.5
111	OVP1	Mx	0	.5
112	OVP2	X	0	.5
113	OVP2	Z	125.431	.5
114	OVP2	Mx	-.059	.5

Member Point Loads (BLC 10 : Antenna Wo (210 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-72.242	1
2	MP2A	Z	125.127	1
3	MP2A	Mx	.109	1
4	MP2A	X	-72.242	6
5	MP2A	Z	125.127	6
6	MP2A	Mx	.109	6
7	MP2B	X	-52.987	1
8	MP2B	Z	91.775	1
9	MP2B	Mx	-.041	1
10	MP2B	X	-52.987	6
11	MP2B	Z	91.775	6
12	MP2B	Mx	-.041	6
13	MP2C	X	-72.242	1
14	MP2C	Z	125.127	1
15	MP2C	Mx	-.037	1
16	MP2C	X	-72.242	6
17	MP2C	Z	125.127	6
18	MP2C	Mx	-.037	6
19	MP2A	X	-72.242	1
20	MP2A	Z	125.127	1
21	MP2A	Mx	-.037	1
22	MP2A	X	-72.242	6
23	MP2A	Z	125.127	6
24	MP2A	Mx	-.037	6
25	MP2B	X	-52.987	1
26	MP2B	Z	91.775	1
27	MP2B	Mx	-.063	1
28	MP2B	X	-52.987	6
29	MP2B	Z	91.775	6
30	MP2B	Mx	-.063	6
31	MP2C	X	-72.242	1
32	MP2C	Z	125.127	1
33	MP2C	Mx	.109	1
34	MP2C	X	-72.242	6
35	MP2C	Z	125.127	6
36	MP2C	Mx	.109	6
37	MP4A	X	-38.927	2
38	MP4A	Z	67.424	2
39	MP4A	Mx	.019	2
40	MP4A	X	-38.927	4
41	MP4A	Z	67.424	4
42	MP4A	Mx	.019	4
43	MP4B	X	-18.817	2
44	MP4B	Z	32.592	2
45	MP4B	Mx	-.019	2
46	MP4B	X	-18.817	4
47	MP4B	Z	32.592	4
48	MP4B	Mx	-.019	4
49	MP4C	X	-38.927	2
50	MP4C	Z	67.424	2
51	MP4C	Mx	.019	2
52	MP4C	X	-38.927	4
53	MP4C	Z	67.424	4
54	MP4C	Mx	.019	4
55	MP2A	X	-33.506	2
56	MP2A	Z	58.034	2
57	MP2A	Mx	-.017	2

Member Point Loads (BLC 10 : Antenna Wo (210 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-24.786	2
59	MP2B	Z	42.931	2
60	MP2B	Mx	.024	2
61	MP2C	X	-33.506	2
62	MP2C	Z	58.034	2
63	MP2C	Mx	-.017	2
64	MP3A	X	-32.956	2
65	MP3A	Z	57.082	2
66	MP3A	Mx	-.016	2
67	MP3B	X	-22.655	2
68	MP3B	Z	39.239	2
69	MP3B	Mx	.022	2
70	MP3C	X	-32.956	2
71	MP3C	Z	57.082	2
72	MP3C	Mx	-.016	2
73	MP1A	X	-91.274	1
74	MP1A	Z	158.09	1
75	MP1A	Mx	.046	1
76	MP1A	X	-91.274	6
77	MP1A	Z	158.09	6
78	MP1A	Mx	.046	6
79	MP1B	X	-84.064	1
80	MP1B	Z	145.603	1
81	MP1B	Mx	-.083	1
82	MP1B	X	-84.064	6
83	MP1B	Z	145.603	6
84	MP1B	Mx	-.083	6
85	MP5A	X	-91.274	1
86	MP5A	Z	158.09	1
87	MP5A	Mx	.046	1
88	MP5A	X	-91.274	6
89	MP5A	Z	158.09	6
90	MP5A	Mx	.046	6
91	MP5B	X	-84.064	1
92	MP5B	Z	145.603	1
93	MP5B	Mx	-.083	1
94	MP5B	X	-84.064	6
95	MP5B	Z	145.603	6
96	MP5B	Mx	-.083	6
97	MP1C	X	-52.795	1
98	MP1C	Z	91.443	1
99	MP1C	Mx	.026	1
100	MP1C	X	-52.795	6
101	MP1C	Z	91.443	6
102	MP1C	Mx	.026	6
103	MP5C	X	-52.795	1
104	MP5C	Z	91.443	1
105	MP5C	Mx	.026	1
106	MP5C	X	-52.795	6
107	MP5C	Z	91.443	6
108	MP5C	Mx	.026	6
109	OVP1	X	-74.619	.5
110	OVP1	Z	129.244	.5
111	OVP1	Mx	.037	.5
112	OVP2	X	-61.083	.5
113	OVP2	Z	105.798	.5
114	OVP2	Mx	-.06	.5

Member Point Loads (BLC 11 : Antenna Wo (240 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-101.961	1
2	MP2A	Z	58.867	1
3	MP2A	Mx	.085	1
4	MP2A	X	-101.961	6
5	MP2A	Z	58.867	6
6	MP2A	Mx	.085	6
7	MP2B	X	-109.521	1
8	MP2B	Z	63.232	1
9	MP2B	Mx	-.001	1
10	MP2B	X	-109.521	6
11	MP2B	Z	63.232	6
12	MP2B	Mx	-.001	6
13	MP2C	X	-136.71	1
14	MP2C	Z	78.929	1
15	MP2C	Mx	-.092	1
16	MP2C	X	-136.71	6
17	MP2C	Z	78.929	6
18	MP2C	Mx	-.092	6
19	MP2A	X	-101.961	1
20	MP2A	Z	58.867	1
21	MP2A	Mx	.017	1
22	MP2A	X	-101.961	6
23	MP2A	Z	58.867	6
24	MP2A	Mx	.017	6
25	MP2B	X	-109.521	1
26	MP2B	Z	63.232	1
27	MP2B	Mx	-.096	1
28	MP2B	X	-109.521	6
29	MP2B	Z	63.232	6
30	MP2B	Mx	-.096	6
31	MP2C	X	-136.71	1
32	MP2C	Z	78.929	1
33	MP2C	Mx	.092	1
34	MP2C	X	-136.71	6
35	MP2C	Z	78.929	6
36	MP2C	Mx	.092	6
37	MP4A	X	-43.23	2
38	MP4A	Z	24.959	2
39	MP4A	Mx	.022	2
40	MP4A	X	-43.23	4
41	MP4A	Z	24.959	4
42	MP4A	Mx	.022	4
43	MP4B	X	-51.126	2
44	MP4B	Z	29.517	2
45	MP4B	Mx	-.023	2
46	MP4B	X	-51.126	4
47	MP4B	Z	29.517	4
48	MP4B	Mx	-.023	4
49	MP4C	X	-79.522	2
50	MP4C	Z	45.912	2
51	MP4C	Mx	0	2
52	MP4C	X	-79.522	4
53	MP4C	Z	45.912	4
54	MP4C	Mx	0	4
55	MP2A	X	-47.544	2
56	MP2A	Z	27.449	2
57	MP2A	Mx	-.024	2

Member Point Loads (BLC 11 : Antenna Wo (240 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-50.967	2
59	MP2B	Z	29.426	2
60	MP2B	Mx	.023	2
61	MP2C	X	-63.279	2
62	MP2C	Z	36.534	2
63	MP2C	Mx	0	2
64	MP3A	X	-44.689	2
65	MP3A	Z	25.801	2
66	MP3A	Mx	-.022	2
67	MP3B	X	-48.733	2
68	MP3B	Z	28.136	2
69	MP3B	Mx	.022	2
70	MP3C	X	-63.279	2
71	MP3C	Z	36.534	2
72	MP3C	Mx	0	2
73	MP1A	X	-149.417	1
74	MP1A	Z	86.266	1
75	MP1A	Mx	.075	1
76	MP1A	X	-149.417	6
77	MP1A	Z	86.266	6
78	MP1A	Mx	.075	6
79	MP1B	X	-152.248	1
80	MP1B	Z	87.9	1
81	MP1B	Mx	-.067	1
82	MP1B	X	-152.248	6
83	MP1B	Z	87.9	6
84	MP1B	Mx	-.067	6
85	MP5A	X	-149.417	1
86	MP5A	Z	86.266	1
87	MP5A	Mx	.075	1
88	MP5A	X	-149.417	6
89	MP5A	Z	86.266	6
90	MP5A	Mx	.075	6
91	MP5B	X	-152.248	1
92	MP5B	Z	87.9	1
93	MP5B	Mx	-.067	1
94	MP5B	X	-152.248	6
95	MP5B	Z	87.9	6
96	MP5B	Mx	-.067	6
97	MP1C	X	-73.261	1
98	MP1C	Z	42.298	1
99	MP1C	Mx	0	1
100	MP1C	X	-73.261	6
101	MP1C	Z	42.298	6
102	MP1C	Mx	0	6
103	MP5C	X	-73.261	1
104	MP5C	Z	42.298	1
105	MP5C	Mx	0	1
106	MP5C	X	-73.261	6
107	MP5C	Z	42.298	6
108	MP5C	Mx	0	6
109	OVP1	X	-112.959	.5
110	OVP1	Z	65.217	.5
111	OVP1	Mx	.056	.5
112	OVP2	X	-118.273	.5
113	OVP2	Z	68.285	.5
114	OVP2	Mx	-.052	.5

Member Point Loads (BLC 12 : Antenna Wo (270 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-104.36	1
2	MP2A	Z	0	1
3	MP2A	Mx	.052	1
4	MP2A	X	-104.36	6
5	MP2A	Z	0	6
6	MP2A	Mx	.052	6
7	MP2B	X	-151.6	1
8	MP2B	Z	0	1
9	MP2B	Mx	.057	1
10	MP2B	X	-151.6	6
11	MP2B	Z	0	6
12	MP2B	Mx	.057	6
13	MP2C	X	-144.484	1
14	MP2C	Z	0	1
15	MP2C	Mx	-.109	1
16	MP2C	X	-144.484	6
17	MP2C	Z	0	6
18	MP2C	Mx	-.109	6
19	MP2A	X	-104.36	1
20	MP2A	Z	0	1
21	MP2A	Mx	.052	1
22	MP2A	X	-104.36	6
23	MP2A	Z	0	6
24	MP2A	Mx	.052	6
25	MP2B	X	-151.6	1
26	MP2B	Z	0	1
27	MP2B	Mx	-.109	1
28	MP2B	X	-151.6	6
29	MP2B	Z	0	6
30	MP2B	Mx	-.109	6
31	MP2C	X	-144.484	1
32	MP2C	Z	0	1
33	MP2C	Mx	.037	1
34	MP2C	X	-144.484	6
35	MP2C	Z	0	6
36	MP2C	Mx	.037	6
37	MP4A	X	-35.949	2
38	MP4A	Z	0	2
39	MP4A	Mx	.018	2
40	MP4A	X	-35.949	4
41	MP4A	Z	0	4
42	MP4A	Mx	.018	4
43	MP4B	X	-85.288	2
44	MP4B	Z	0	2
45	MP4B	Mx	-.015	2
46	MP4B	X	-85.288	4
47	MP4B	Z	0	4
48	MP4B	Mx	-.015	4
49	MP4C	X	-77.855	2
50	MP4C	Z	0	2
51	MP4C	Mx	-.019	2
52	MP4C	X	-77.855	4
53	MP4C	Z	0	4
54	MP4C	Mx	-.019	4
55	MP2A	X	-48.842	2
56	MP2A	Z	0	2
57	MP2A	Mx	-.024	2

Member Point Loads (BLC 12 : Antenna Wo (270 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-70.234	2
59	MP2B	Z	0	2
60	MP2B	Mx	.012	2
61	MP2C	X	-67.012	2
62	MP2C	Z	0	2
63	MP2C	Mx	.017	2
64	MP3A	X	-44.447	2
65	MP3A	Z	0	2
66	MP3A	Mx	-.022	2
67	MP3B	X	-69.72	2
68	MP3B	Z	0	2
69	MP3B	Mx	.012	2
70	MP3C	X	-65.913	2
71	MP3C	Z	0	2
72	MP3C	Mx	.016	2
73	MP1A	X	-167.524	1
74	MP1A	Z	0	1
75	MP1A	Mx	.084	1
76	MP1A	X	-167.524	6
77	MP1A	Z	0	6
78	MP1A	Mx	.084	6
79	MP1B	X	-185.212	1
80	MP1B	Z	0	1
81	MP1B	Mx	-.032	1
82	MP1B	X	-185.212	6
83	MP1B	Z	0	6
84	MP1B	Mx	-.032	6
85	MP5A	X	-167.524	1
86	MP5A	Z	0	1
87	MP5A	Mx	.084	1
88	MP5A	X	-167.524	6
89	MP5A	Z	0	6
90	MP5A	Mx	.084	6
91	MP5B	X	-185.212	1
92	MP5B	Z	0	1
93	MP5B	Mx	-.032	1
94	MP5B	X	-185.212	6
95	MP5B	Z	0	6
96	MP5B	Mx	-.032	6
97	MP1C	X	-105.589	1
98	MP1C	Z	0	1
99	MP1C	Mx	-.026	1
100	MP1C	X	-105.589	6
101	MP1C	Z	0	6
102	MP1C	Mx	-.026	6
103	MP5C	X	-105.589	1
104	MP5C	Z	0	1
105	MP5C	Mx	-.026	1
106	MP5C	X	-105.589	6
107	MP5C	Z	0	6
108	MP5C	Mx	-.026	6
109	OVP1	X	-121.031	.5
110	OVP1	Z	0	.5
111	OVP1	Mx	.061	.5
112	OVP2	X	-154.241	.5
113	OVP2	Z	0	.5
114	OVP2	Mx	-.026	.5

Member Point Loads (BLC 13 : Antenna Wo (300 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-101.961	1
2	MP2A	Z	-58.867	1
3	MP2A	Mx	.017	1
4	MP2A	X	-101.961	6
5	MP2A	Z	-58.867	6
6	MP2A	Mx	.017	6
7	MP2B	X	-135.312	1
8	MP2B	Z	-78.123	1
9	MP2B	Mx	.103	1
10	MP2B	X	-135.312	6
11	MP2B	Z	-78.123	6
12	MP2B	Mx	.103	6
13	MP2C	X	-101.961	1
14	MP2C	Z	-58.867	1
15	MP2C	Mx	-.085	1
16	MP2C	X	-101.961	6
17	MP2C	Z	-58.867	6
18	MP2C	Mx	-.085	6
19	MP2A	X	-101.961	1
20	MP2A	Z	-58.867	1
21	MP2A	Mx	.085	1
22	MP2A	X	-101.961	6
23	MP2A	Z	-58.867	6
24	MP2A	Mx	.085	6
25	MP2B	X	-135.312	1
26	MP2B	Z	-78.123	1
27	MP2B	Mx	-.076	1
28	MP2B	X	-135.312	6
29	MP2B	Z	-78.123	6
30	MP2B	Mx	-.076	6
31	MP2C	X	-101.961	1
32	MP2C	Z	-58.867	1
33	MP2C	Mx	-.017	1
34	MP2C	X	-101.961	6
35	MP2C	Z	-58.867	6
36	MP2C	Mx	-.017	6
37	MP4A	X	-43.23	2
38	MP4A	Z	-24.959	2
39	MP4A	Mx	.022	2
40	MP4A	X	-43.23	4
41	MP4A	Z	-24.959	4
42	MP4A	Mx	.022	4
43	MP4B	X	-78.063	2
44	MP4B	Z	-45.069	2
45	MP4B	Mx	.008	2
46	MP4B	X	-78.063	4
47	MP4B	Z	-45.069	4
48	MP4B	Mx	.008	4
49	MP4C	X	-43.23	2
50	MP4C	Z	-24.959	2
51	MP4C	Mx	-.022	2
52	MP4C	X	-43.23	4
53	MP4C	Z	-24.959	4
54	MP4C	Mx	-.022	4
55	MP2A	X	-47.544	2
56	MP2A	Z	-27.449	2
57	MP2A	Mx	-.024	2

Member Point Loads (BLC 13 : Antenna Wo (300 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-62.646	2
59	MP2B	Z	-36.169	2
60	MP2B	Mx	-.006	2
61	MP2C	X	-47.544	2
62	MP2C	Z	-27.449	2
63	MP2C	Mx	.024	2
64	MP3A	X	-44.689	2
65	MP3A	Z	-25.801	2
66	MP3A	Mx	-.022	2
67	MP3B	X	-62.532	2
68	MP3B	Z	-36.103	2
69	MP3B	Mx	-.006	2
70	MP3C	X	-44.689	2
71	MP3C	Z	-25.801	2
72	MP3C	Mx	.022	2
73	MP1A	X	-149.417	1
74	MP1A	Z	-86.266	1
75	MP1A	Mx	.075	1
76	MP1A	X	-149.417	6
77	MP1A	Z	-86.266	6
78	MP1A	Mx	.075	6
79	MP1B	X	-161.904	1
80	MP1B	Z	-93.475	1
81	MP1B	Mx	.016	1
82	MP1B	X	-161.904	6
83	MP1B	Z	-93.475	6
84	MP1B	Mx	.016	6
85	MP5A	X	-149.417	1
86	MP5A	Z	-86.266	1
87	MP5A	Mx	.075	1
88	MP5A	X	-149.417	6
89	MP5A	Z	-86.266	6
90	MP5A	Mx	.075	6
91	MP5B	X	-161.904	1
92	MP5B	Z	-93.475	1
93	MP5B	Mx	.016	1
94	MP5B	X	-161.904	6
95	MP5B	Z	-93.475	6
96	MP5B	Mx	.016	6
97	MP1C	X	-127.806	1
98	MP1C	Z	-73.789	1
99	MP1C	Mx	-.064	1
100	MP1C	X	-127.806	6
101	MP1C	Z	-73.789	6
102	MP1C	Mx	-.064	6
103	MP5C	X	-127.806	1
104	MP5C	Z	-73.789	1
105	MP5C	Mx	-.064	1
106	MP5C	X	-127.806	6
107	MP5C	Z	-73.789	6
108	MP5C	Mx	-.064	6
109	OVP1	X	-112.959	.5
110	OVP1	Z	-65.217	.5
111	OVP1	Mx	.056	.5
112	OVP2	X	-136.404	.5
113	OVP2	Z	-78.753	.5
114	OVP2	Mx	.014	.5

Member Point Loads (BLC 14 : Antenna Wo (330 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-72.242	1
2	MP2A	Z	-125.127	1
3	MP2A	Mx	-.037	1
4	MP2A	X	-72.242	6
5	MP2A	Z	-125.127	6
6	MP2A	Mx	-.037	6
7	MP2B	X	-67.877	1
8	MP2B	Z	-117.567	1
9	MP2B	Mx	.104	1
10	MP2B	X	-67.877	6
11	MP2B	Z	-117.567	6
12	MP2B	Mx	.104	6
13	MP2C	X	-52.18	1
14	MP2C	Z	-90.378	1
15	MP2C	Mx	-.052	1
16	MP2C	X	-52.18	6
17	MP2C	Z	-90.378	6
18	MP2C	Mx	-.052	6
19	MP2A	X	-72.242	1
20	MP2A	Z	-125.127	1
21	MP2A	Mx	.109	1
22	MP2A	X	-72.242	6
23	MP2A	Z	-125.127	6
24	MP2A	Mx	.109	6
25	MP2B	X	-67.877	1
26	MP2B	Z	-117.567	1
27	MP2B	Mx	-.017	1
28	MP2B	X	-67.877	6
29	MP2B	Z	-117.567	6
30	MP2B	Mx	-.017	6
31	MP2C	X	-52.18	1
32	MP2C	Z	-90.378	1
33	MP2C	Mx	-.052	1
34	MP2C	X	-52.18	6
35	MP2C	Z	-90.378	6
36	MP2C	Mx	-.052	6
37	MP4A	X	-38.927	2
38	MP4A	Z	-67.424	2
39	MP4A	Mx	.019	2
40	MP4A	X	-38.927	4
41	MP4A	Z	-67.424	4
42	MP4A	Mx	.019	4
43	MP4B	X	-34.369	2
44	MP4B	Z	-59.528	2
45	MP4B	Mx	.022	2
46	MP4B	X	-34.369	4
47	MP4B	Z	-59.528	4
48	MP4B	Mx	.022	4
49	MP4C	X	-17.974	2
50	MP4C	Z	-31.133	2
51	MP4C	Mx	-.018	2
52	MP4C	X	-17.974	4
53	MP4C	Z	-31.133	4
54	MP4C	Mx	-.018	4
55	MP2A	X	-33.506	2
56	MP2A	Z	-58.034	2
57	MP2A	Mx	-.017	2

Member Point Loads (BLC 14 : Antenna Wo (330 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-31.529	2
59	MP2B	Z	-54.61	2
60	MP2B	Mx	-.02	2
61	MP2C	X	-24.421	2
62	MP2C	Z	-42.299	2
63	MP2C	Mx	.024	2
64	MP3A	X	-32.956	2
65	MP3A	Z	-57.082	2
66	MP3A	Mx	-.016	2
67	MP3B	X	-30.621	2
68	MP3B	Z	-53.038	2
69	MP3B	Mx	-.02	2
70	MP3C	X	-22.223	2
71	MP3C	Z	-38.492	2
72	MP3C	Mx	.022	2
73	MP1A	X	-91.274	1
74	MP1A	Z	-158.09	1
75	MP1A	Mx	.046	1
76	MP1A	X	-91.274	6
77	MP1A	Z	-158.09	6
78	MP1A	Mx	.046	6
79	MP1B	X	-89.639	1
80	MP1B	Z	-155.26	1
81	MP1B	Mx	.058	1
82	MP1B	X	-89.639	6
83	MP1B	Z	-155.26	6
84	MP1B	Mx	.058	6
85	MP5A	X	-91.274	1
86	MP5A	Z	-158.09	1
87	MP5A	Mx	.046	1
88	MP5A	X	-91.274	6
89	MP5A	Z	-158.09	6
90	MP5A	Mx	.046	6
91	MP5B	X	-89.639	1
92	MP5B	Z	-155.26	1
93	MP5B	Mx	.058	1
94	MP5B	X	-89.639	6
95	MP5B	Z	-155.26	6
96	MP5B	Mx	.058	6
97	MP1C	X	-84.286	1
98	MP1C	Z	-145.987	1
99	MP1C	Mx	-.084	1
100	MP1C	X	-84.286	6
101	MP1C	Z	-145.987	6
102	MP1C	Mx	-.084	6
103	MP5C	X	-84.286	1
104	MP5C	Z	-145.987	1
105	MP5C	Mx	-.084	1
106	MP5C	X	-84.286	6
107	MP5C	Z	-145.987	6
108	MP5C	Mx	-.084	6
109	OVP1	X	-74.619	.5
110	OVP1	Z	-129.244	.5
111	OVP1	Mx	.037	.5
112	OVP2	X	-71.551	.5
113	OVP2	Z	-123.929	.5
114	OVP2	Mx	.046	.5

Member Point Loads (BLC 15 : Antenna Wi (0 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	-34.6	1
3	MP2A	Mx	-.02	1
4	MP2A	X	0	6
5	MP2A	Z	-34.6	6
6	MP2A	Mx	-.02	6
7	MP2B	X	0	1
8	MP2B	Z	-25.536	1
9	MP2B	Mx	.017	1
10	MP2B	X	0	6
11	MP2B	Z	-25.536	6
12	MP2B	Mx	.017	6
13	MP2C	X	0	1
14	MP2C	Z	-26.902	1
15	MP2C	Mx	-.004	1
16	MP2C	X	0	6
17	MP2C	Z	-26.902	6
18	MP2C	Mx	-.004	6
19	MP2A	X	0	1
20	MP2A	Z	-34.6	1
21	MP2A	Mx	.02	1
22	MP2A	X	0	6
23	MP2A	Z	-34.6	6
24	MP2A	Mx	.02	6
25	MP2B	X	0	1
26	MP2B	Z	-25.536	1
27	MP2B	Mx	.007	1
28	MP2B	X	0	6
29	MP2B	Z	-25.536	6
30	MP2B	Mx	.007	6
31	MP2C	X	0	1
32	MP2C	Z	-26.902	1
33	MP2C	Mx	-.019	1
34	MP2C	X	0	6
35	MP2C	Z	-26.902	6
36	MP2C	Mx	-.019	6
37	MP4A	X	0	2
38	MP4A	Z	-20.811	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	-20.811	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	-10.602	2
45	MP4B	Mx	.005	2
46	MP4B	X	0	4
47	MP4B	Z	-10.602	4
48	MP4B	Mx	.005	4
49	MP4C	X	0	2
50	MP4C	Z	-12.14	2
51	MP4C	Mx	-.005	2
52	MP4C	X	0	4
53	MP4C	Z	-12.14	4
54	MP4C	Mx	-.005	4
55	MP2A	X	0	2
56	MP2A	Z	-18.036	2
57	MP2A	Mx	0	2

Member Point Loads (BLC 15 : Antenna Wi (0 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	0	2
59	MP2B	Z	-13.407	2
60	MP2B	Mx	-.006	2
61	MP2C	X	0	2
62	MP2C	Z	-14.105	2
63	MP2C	Mx	.006	2
64	MP3A	X	0	2
65	MP3A	Z	-18.036	2
66	MP3A	Mx	0	2
67	MP3B	X	0	2
68	MP3B	Z	-12.574	2
69	MP3B	Mx	-.006	2
70	MP3C	X	0	2
71	MP3C	Z	-13.397	2
72	MP3C	Mx	.006	2
73	MP1A	X	0	1
74	MP1A	Z	-40.437	1
75	MP1A	Mx	0	1
76	MP1A	X	0	6
77	MP1A	Z	-40.437	6
78	MP1A	Mx	0	6
79	MP1B	X	0	1
80	MP1B	Z	-36.961	1
81	MP1B	Mx	.017	1
82	MP1B	X	0	6
83	MP1B	Z	-36.961	6
84	MP1B	Mx	.017	6
85	MP5A	X	0	1
86	MP5A	Z	-40.437	1
87	MP5A	Mx	0	1
88	MP5A	X	0	6
89	MP5A	Z	-40.437	6
90	MP5A	Mx	0	6
91	MP5B	X	0	1
92	MP5B	Z	-36.961	1
93	MP5B	Mx	.017	1
94	MP5B	X	0	6
95	MP5B	Z	-36.961	6
96	MP5B	Mx	.017	6
97	MP1C	X	0	1
98	MP1C	Z	-32.616	1
99	MP1C	Mx	-.014	1
100	MP1C	X	0	6
101	MP1C	Z	-32.616	6
102	MP1C	Mx	-.014	6
103	MP5C	X	0	1
104	MP5C	Z	-32.616	1
105	MP5C	Mx	-.014	1
106	MP5C	X	0	6
107	MP5C	Z	-32.616	6
108	MP5C	Mx	-.014	6
109	OVP1	X	0	.5
110	OVP1	Z	-36.148	.5
111	OVP1	Mx	0	.5
112	OVP2	X	0	.5
113	OVP2	Z	-29.464	.5
114	OVP2	Mx	.014	.5

Member Point Loads (BLC 16 : Antenna Wi (30 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	16.017	1
2	MP2A	Z	-27.742	1
3	MP2A	Mx	-.024	1
4	MP2A	X	16.017	6
5	MP2A	Z	-27.742	6
6	MP2A	Mx	-.024	6
7	MP2B	X	12.322	1
8	MP2B	Z	-21.343	1
9	MP2B	Mx	.01	1
10	MP2B	X	12.322	6
11	MP2B	Z	-21.343	6
12	MP2B	Mx	.01	6
13	MP2C	X	16.017	1
14	MP2C	Z	-27.742	1
15	MP2C	Mx	.008	1
16	MP2C	X	16.017	6
17	MP2C	Z	-27.742	6
18	MP2C	Mx	.008	6
19	MP2A	X	16.017	1
20	MP2A	Z	-27.742	1
21	MP2A	Mx	.008	1
22	MP2A	X	16.017	6
23	MP2A	Z	-27.742	6
24	MP2A	Mx	.008	6
25	MP2B	X	12.322	1
26	MP2B	Z	-21.343	1
27	MP2B	Mx	.015	1
28	MP2B	X	12.322	6
29	MP2B	Z	-21.343	6
30	MP2B	Mx	.015	6
31	MP2C	X	16.017	1
32	MP2C	Z	-27.742	1
33	MP2C	Mx	-.024	1
34	MP2C	X	16.017	6
35	MP2C	Z	-27.742	6
36	MP2C	Mx	-.024	6
37	MP4A	X	8.96	2
38	MP4A	Z	-15.519	2
39	MP4A	Mx	-.004	2
40	MP4A	X	8.96	4
41	MP4A	Z	-15.519	4
42	MP4A	Mx	-.004	4
43	MP4B	X	4.799	2
44	MP4B	Z	-8.312	2
45	MP4B	Mx	.005	2
46	MP4B	X	4.799	4
47	MP4B	Z	-8.312	4
48	MP4B	Mx	.005	4
49	MP4C	X	8.96	2
50	MP4C	Z	-15.519	2
51	MP4C	Mx	-.004	2
52	MP4C	X	8.96	4
53	MP4C	Z	-15.519	4
54	MP4C	Mx	-.004	4
55	MP2A	X	8.363	2
56	MP2A	Z	-14.485	2
57	MP2A	Mx	.004	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	6.476	2
59	MP2B	Z	-11.217	2
60	MP2B	Mx	-.006	2
61	MP2C	X	8.363	2
62	MP2C	Z	-14.485	2
63	MP2C	Mx	.004	2
64	MP3A	X	8.245	2
65	MP3A	Z	-14.28	2
66	MP3A	Mx	.004	2
67	MP3B	X	6.019	2
68	MP3B	Z	-10.424	2
69	MP3B	Mx	-.006	2
70	MP3C	X	8.245	2
71	MP3C	Z	-14.28	2
72	MP3C	Mx	.004	2
73	MP1A	X	19.727	1
74	MP1A	Z	-34.167	1
75	MP1A	Mx	-.01	1
76	MP1A	X	19.727	6
77	MP1A	Z	-34.167	6
78	MP1A	Mx	-.01	6
79	MP1B	X	18.31	1
80	MP1B	Z	-31.714	1
81	MP1B	Mx	.018	1
82	MP1B	X	18.31	6
83	MP1B	Z	-31.714	6
84	MP1B	Mx	.018	6
85	MP5A	X	19.727	1
86	MP5A	Z	-34.167	1
87	MP5A	Mx	-.01	1
88	MP5A	X	19.727	6
89	MP5A	Z	-34.167	6
90	MP5A	Mx	-.01	6
91	MP5B	X	18.31	1
92	MP5B	Z	-31.714	1
93	MP5B	Mx	.018	1
94	MP5B	X	18.31	6
95	MP5B	Z	-31.714	6
96	MP5B	Mx	.018	6
97	MP1C	X	12.216	1
98	MP1C	Z	-21.158	1
99	MP1C	Mx	-.006	1
100	MP1C	X	12.216	6
101	MP1C	Z	-21.158	6
102	MP1C	Mx	-.006	6
103	MP5C	X	12.216	1
104	MP5C	Z	-21.158	1
105	MP5C	Mx	-.006	1
106	MP5C	X	12.216	6
107	MP5C	Z	-21.158	6
108	MP5C	Mx	-.006	6
109	OVP1	X	17.128	.5
110	OVP1	Z	-29.666	.5
111	OVP1	Mx	-.009	.5
112	OVP2	X	14.403	.5
113	OVP2	Z	-24.947	.5
114	OVP2	Mx	.014	.5

Member Point Loads (BLC 17 : Antenna Wi (60 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	23.297	1
2	MP2A	Z	-13.451	1
3	MP2A	Mx	-.019	1
4	MP2A	X	23.297	6
5	MP2A	Z	-13.451	6
6	MP2A	Mx	-.019	6
7	MP2B	X	24.748	1
8	MP2B	Z	-14.288	1
9	MP2B	Mx	.00023	1
10	MP2B	X	24.748	6
11	MP2B	Z	-14.288	6
12	MP2B	Mx	.00023	6
13	MP2C	X	29.965	1
14	MP2C	Z	-17.3	1
15	MP2C	Mx	.02	1
16	MP2C	X	29.965	6
17	MP2C	Z	-17.3	6
18	MP2C	Mx	.02	6
19	MP2A	X	23.297	1
20	MP2A	Z	-13.451	1
21	MP2A	Mx	-.004	1
22	MP2A	X	23.297	6
23	MP2A	Z	-13.451	6
24	MP2A	Mx	-.004	6
25	MP2B	X	24.748	1
26	MP2B	Z	-14.288	1
27	MP2B	Mx	.022	1
28	MP2B	X	24.748	6
29	MP2B	Z	-14.288	6
30	MP2B	Mx	.022	6
31	MP2C	X	29.965	1
32	MP2C	Z	-17.3	1
33	MP2C	Mx	-.02	1
34	MP2C	X	29.965	6
35	MP2C	Z	-17.3	6
36	MP2C	Mx	-.02	6
37	MP4A	X	10.513	2
38	MP4A	Z	-6.07	2
39	MP4A	Mx	-.005	2
40	MP4A	X	10.513	4
41	MP4A	Z	-6.07	4
42	MP4A	Mx	-.005	4
43	MP4B	X	12.147	2
44	MP4B	Z	-7.013	2
45	MP4B	Mx	.005	2
46	MP4B	X	12.147	4
47	MP4B	Z	-7.013	4
48	MP4B	Mx	.005	4
49	MP4C	X	18.023	2
50	MP4C	Z	-10.405	2
51	MP4C	Mx	0	2
52	MP4C	X	18.023	4
53	MP4C	Z	-10.405	4
54	MP4C	Mx	0	4
55	MP2A	X	12.215	2
56	MP2A	Z	-7.052	2
57	MP2A	Mx	.006	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	12.956	2
59	MP2B	Z	-7.48	2
60	MP2B	Mx	-.006	2
61	MP2C	X	15.619	2
62	MP2C	Z	-9.018	2
63	MP2C	Mx	0	2
64	MP3A	X	11.602	2
65	MP3A	Z	-6.698	2
66	MP3A	Mx	.006	2
67	MP3B	X	12.476	2
68	MP3B	Z	-7.203	2
69	MP3B	Mx	-.006	2
70	MP3C	X	15.619	2
71	MP3C	Z	-9.018	2
72	MP3C	Mx	0	2
73	MP1A	X	32.463	1
74	MP1A	Z	-18.743	1
75	MP1A	Mx	-.016	1
76	MP1A	X	32.463	6
77	MP1A	Z	-18.743	6
78	MP1A	Mx	-.016	6
79	MP1B	X	33.019	1
80	MP1B	Z	-19.064	1
81	MP1B	Mx	.015	1
82	MP1B	X	33.019	6
83	MP1B	Z	-19.064	6
84	MP1B	Mx	.015	6
85	MP5A	X	32.463	1
86	MP5A	Z	-18.743	1
87	MP5A	Mx	-.016	1
88	MP5A	X	32.463	6
89	MP5A	Z	-18.743	6
90	MP5A	Mx	-.016	6
91	MP5B	X	33.019	1
92	MP5B	Z	-19.064	1
93	MP5B	Mx	.015	1
94	MP5B	X	33.019	6
95	MP5B	Z	-19.064	6
96	MP5B	Mx	.015	6
97	MP1C	X	17.614	1
98	MP1C	Z	-10.17	1
99	MP1C	Mx	0	1
100	MP1C	X	17.614	6
101	MP1C	Z	-10.17	6
102	MP1C	Mx	0	6
103	MP5C	X	17.614	1
104	MP5C	Z	-10.17	1
105	MP5C	Mx	0	1
106	MP5C	X	17.614	6
107	MP5C	Z	-10.17	6
108	MP5C	Mx	0	6
109	OVP1	X	26.389	.5
110	OVP1	Z	-15.235	.5
111	OVP1	Mx	-.013	.5
112	OVP2	X	27.458	.5
113	OVP2	Z	-15.853	.5
114	OVP2	Mx	.012	.5

Member Point Loads (BLC 18 : Antenna Wi (90 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	24.335	1
2	MP2A	Z	0	1
3	MP2A	Mx	-.012	1
4	MP2A	X	24.335	6
5	MP2A	Z	0	6
6	MP2A	Mx	-.012	6
7	MP2B	X	33.4	1
8	MP2B	Z	0	1
9	MP2B	Mx	-.013	1
10	MP2B	X	33.4	6
11	MP2B	Z	0	6
12	MP2B	Mx	-.013	6
13	MP2C	X	32.034	1
14	MP2C	Z	0	1
15	MP2C	Mx	.024	1
16	MP2C	X	32.034	6
17	MP2C	Z	0	6
18	MP2C	Mx	.024	6
19	MP2A	X	24.335	1
20	MP2A	Z	0	1
21	MP2A	Mx	-.012	1
22	MP2A	X	24.335	6
23	MP2A	Z	0	6
24	MP2A	Mx	-.012	6
25	MP2B	X	33.4	1
26	MP2B	Z	0	1
27	MP2B	Mx	.024	1
28	MP2B	X	33.4	6
29	MP2B	Z	0	6
30	MP2B	Mx	.024	6
31	MP2C	X	32.034	1
32	MP2C	Z	0	1
33	MP2C	Mx	-.008	1
34	MP2C	X	32.034	6
35	MP2C	Z	0	6
36	MP2C	Mx	-.008	6
37	MP4A	X	9.249	2
38	MP4A	Z	0	2
39	MP4A	Mx	-.005	2
40	MP4A	X	9.249	4
41	MP4A	Z	0	4
42	MP4A	Mx	-.005	4
43	MP4B	X	19.458	2
44	MP4B	Z	0	2
45	MP4B	Mx	.003	2
46	MP4B	X	19.458	4
47	MP4B	Z	0	4
48	MP4B	Mx	.003	4
49	MP4C	X	17.92	2
50	MP4C	Z	0	2
51	MP4C	Mx	.004	2
52	MP4C	X	17.92	4
53	MP4C	Z	0	4
54	MP4C	Mx	.004	4
55	MP2A	X	12.794	2
56	MP2A	Z	0	2
57	MP2A	Mx	.006	2

Member Point Loads (BLC 18 : Antenna Wi (90 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	17.423	2
59	MP2B	Z	0	2
60	MP2B	Mx	-.003	2
61	MP2C	X	16.725	2
62	MP2C	Z	0	2
63	MP2C	Mx	-.004	2
64	MP3A	X	11.851	2
65	MP3A	Z	0	2
66	MP3A	Mx	.006	2
67	MP3B	X	17.312	2
68	MP3B	Z	0	2
69	MP3B	Mx	-.003	2
70	MP3C	X	16.49	2
71	MP3C	Z	0	2
72	MP3C	Mx	-.004	2
73	MP1A	X	36.501	1
74	MP1A	Z	0	1
75	MP1A	Mx	-.018	1
76	MP1A	X	36.501	6
77	MP1A	Z	0	6
78	MP1A	Mx	-.018	6
79	MP1B	X	39.977	1
80	MP1B	Z	0	1
81	MP1B	Mx	.007	1
82	MP1B	X	39.977	6
83	MP1B	Z	0	6
84	MP1B	Mx	.007	6
85	MP5A	X	36.501	1
86	MP5A	Z	0	1
87	MP5A	Mx	-.018	1
88	MP5A	X	36.501	6
89	MP5A	Z	0	6
90	MP5A	Mx	-.018	6
91	MP5B	X	39.977	1
92	MP5B	Z	0	1
93	MP5B	Mx	.007	1
94	MP5B	X	39.977	6
95	MP5B	Z	0	6
96	MP5B	Mx	.007	6
97	MP1C	X	24.431	1
98	MP1C	Z	0	1
99	MP1C	Mx	.006	1
100	MP1C	X	24.431	6
101	MP1C	Z	0	6
102	MP1C	Mx	.006	6
103	MP5C	X	24.431	1
104	MP5C	Z	0	1
105	MP5C	Mx	.006	1
106	MP5C	X	24.431	6
107	MP5C	Z	0	6
108	MP5C	Mx	.006	6
109	OVP1	X	28.579	.5
110	OVP1	Z	0	.5
111	OVP1	Mx	-.014	.5
112	OVP2	X	35.262	.5
113	OVP2	Z	0	.5
114	OVP2	Mx	.006	.5

Member Point Loads (BLC 19 : Antenna Wi (120 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	23.297	1
2	MP2A	Z	13.451	1
3	MP2A	Mx	-.004	1
4	MP2A	X	23.297	6
5	MP2A	Z	13.451	6
6	MP2A	Mx	-.004	6
7	MP2B	X	29.697	1
8	MP2B	Z	17.145	1
9	MP2B	Mx	-.023	1
10	MP2B	X	29.697	6
11	MP2B	Z	17.145	6
12	MP2B	Mx	-.023	6
13	MP2C	X	23.297	1
14	MP2C	Z	13.451	1
15	MP2C	Mx	.019	1
16	MP2C	X	23.297	6
17	MP2C	Z	13.451	6
18	MP2C	Mx	.019	6
19	MP2A	X	23.297	1
20	MP2A	Z	13.451	1
21	MP2A	Mx	-.019	1
22	MP2A	X	23.297	6
23	MP2A	Z	13.451	6
24	MP2A	Mx	-.019	6
25	MP2B	X	29.697	1
26	MP2B	Z	17.145	1
27	MP2B	Mx	.017	1
28	MP2B	X	29.697	6
29	MP2B	Z	17.145	6
30	MP2B	Mx	.017	6
31	MP2C	X	23.297	1
32	MP2C	Z	13.451	1
33	MP2C	Mx	.004	1
34	MP2C	X	23.297	6
35	MP2C	Z	13.451	6
36	MP2C	Mx	.004	6
37	MP4A	X	10.513	2
38	MP4A	Z	6.07	2
39	MP4A	Mx	-.005	2
40	MP4A	X	10.513	4
41	MP4A	Z	6.07	4
42	MP4A	Mx	-.005	4
43	MP4B	X	17.721	2
44	MP4B	Z	10.231	2
45	MP4B	Mx	-.002	2
46	MP4B	X	17.721	4
47	MP4B	Z	10.231	4
48	MP4B	Mx	-.002	4
49	MP4C	X	10.513	2
50	MP4C	Z	6.07	2
51	MP4C	Mx	.005	2
52	MP4C	X	10.513	4
53	MP4C	Z	6.07	4
54	MP4C	Mx	.005	4
55	MP2A	X	12.215	2
56	MP2A	Z	7.052	2
57	MP2A	Mx	.006	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	15.483	2
59	MP2B	Z	8.939	2
60	MP2B	Mx	.002	2
61	MP2C	X	12.215	2
62	MP2C	Z	7.052	2
63	MP2C	Mx	-.006	2
64	MP3A	X	11.602	2
65	MP3A	Z	6.698	2
66	MP3A	Mx	.006	2
67	MP3B	X	15.458	2
68	MP3B	Z	8.925	2
69	MP3B	Mx	.002	2
70	MP3C	X	11.602	2
71	MP3C	Z	6.698	2
72	MP3C	Mx	-.006	2
73	MP1A	X	32.463	1
74	MP1A	Z	18.743	1
75	MP1A	Mx	-.016	1
76	MP1A	X	32.463	6
77	MP1A	Z	18.743	6
78	MP1A	Mx	-.016	6
79	MP1B	X	34.917	1
80	MP1B	Z	20.159	1
81	MP1B	Mx	-.004	1
82	MP1B	X	34.917	6
83	MP1B	Z	20.159	6
84	MP1B	Mx	-.004	6
85	MP5A	X	32.463	1
86	MP5A	Z	18.743	1
87	MP5A	Mx	-.016	1
88	MP5A	X	32.463	6
89	MP5A	Z	18.743	6
90	MP5A	Mx	-.016	6
91	MP5B	X	34.917	1
92	MP5B	Z	20.159	1
93	MP5B	Mx	-.004	1
94	MP5B	X	34.917	6
95	MP5B	Z	20.159	6
96	MP5B	Mx	-.004	6
97	MP1C	X	28.246	1
98	MP1C	Z	16.308	1
99	MP1C	Mx	.014	1
100	MP1C	X	28.246	6
101	MP1C	Z	16.308	6
102	MP1C	Mx	.014	6
103	MP5C	X	28.246	1
104	MP5C	Z	16.308	1
105	MP5C	Mx	.014	1
106	MP5C	X	28.246	6
107	MP5C	Z	16.308	6
108	MP5C	Mx	.014	6
109	OVP1	X	26.389	.5
110	OVP1	Z	15.235	.5
111	OVP1	Mx	-.013	.5
112	OVP2	X	31.107	.5
113	OVP2	Z	17.96	.5
114	OVP2	Mx	-.003	.5

Member Point Loads (BLC 20 : Antenna Wi (150 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	16.017	1
2	MP2A	Z	27.742	1
3	MP2A	Mx	.008	1
4	MP2A	X	16.017	6
5	MP2A	Z	27.742	6
6	MP2A	Mx	.008	6
7	MP2B	X	15.18	1
8	MP2B	Z	26.292	1
9	MP2B	Mx	-.023	1
10	MP2B	X	15.18	6
11	MP2B	Z	26.292	6
12	MP2B	Mx	-.023	6
13	MP2C	X	12.168	1
14	MP2C	Z	21.075	1
15	MP2C	Mx	.012	1
16	MP2C	X	12.168	6
17	MP2C	Z	21.075	6
18	MP2C	Mx	.012	6
19	MP2A	X	16.017	1
20	MP2A	Z	27.742	1
21	MP2A	Mx	-.024	1
22	MP2A	X	16.017	6
23	MP2A	Z	27.742	6
24	MP2A	Mx	-.024	6
25	MP2B	X	15.18	1
26	MP2B	Z	26.292	1
27	MP2B	Mx	.004	1
28	MP2B	X	15.18	6
29	MP2B	Z	26.292	6
30	MP2B	Mx	.004	6
31	MP2C	X	12.168	1
32	MP2C	Z	21.075	1
33	MP2C	Mx	.012	1
34	MP2C	X	12.168	6
35	MP2C	Z	21.075	6
36	MP2C	Mx	.012	6
37	MP4A	X	8.96	2
38	MP4A	Z	15.519	2
39	MP4A	Mx	-.004	2
40	MP4A	X	8.96	4
41	MP4A	Z	15.519	4
42	MP4A	Mx	-.004	4
43	MP4B	X	8.017	2
44	MP4B	Z	13.886	2
45	MP4B	Mx	-.005	2
46	MP4B	X	8.017	4
47	MP4B	Z	13.886	4
48	MP4B	Mx	-.005	4
49	MP4C	X	4.625	2
50	MP4C	Z	8.01	2
51	MP4C	Mx	.005	2
52	MP4C	X	4.625	4
53	MP4C	Z	8.01	4
54	MP4C	Mx	.005	4
55	MP2A	X	8.363	2
56	MP2A	Z	14.485	2
57	MP2A	Mx	.004	2

Member Point Loads (BLC 20 : Antenna Wi (150 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	7.935	2
59	MP2B	Z	13.744	2
60	MP2B	Mx	.005	2
61	MP2C	X	6.397	2
62	MP2C	Z	11.08	2
63	MP2C	Mx	-.006	2
64	MP3A	X	8.245	2
65	MP3A	Z	14.28	2
66	MP3A	Mx	.004	2
67	MP3B	X	7.74	2
68	MP3B	Z	13.406	2
69	MP3B	Mx	.005	2
70	MP3C	X	5.925	2
71	MP3C	Z	10.263	2
72	MP3C	Mx	-.006	2
73	MP1A	X	19.727	1
74	MP1A	Z	34.167	1
75	MP1A	Mx	-.01	1
76	MP1A	X	19.727	6
77	MP1A	Z	34.167	6
78	MP1A	Mx	-.01	6
79	MP1B	X	19.405	1
80	MP1B	Z	33.611	1
81	MP1B	Mx	-.012	1
82	MP1B	X	19.405	6
83	MP1B	Z	33.611	6
84	MP1B	Mx	-.012	6
85	MP5A	X	19.727	1
86	MP5A	Z	34.167	1
87	MP5A	Mx	-.01	1
88	MP5A	X	19.727	6
89	MP5A	Z	34.167	6
90	MP5A	Mx	-.01	6
91	MP5B	X	19.405	1
92	MP5B	Z	33.611	1
93	MP5B	Mx	-.012	1
94	MP5B	X	19.405	6
95	MP5B	Z	33.611	6
96	MP5B	Mx	-.012	6
97	MP1C	X	18.354	1
98	MP1C	Z	31.79	1
99	MP1C	Mx	.018	1
100	MP1C	X	18.354	6
101	MP1C	Z	31.79	6
102	MP1C	Mx	.018	6
103	MP5C	X	18.354	1
104	MP5C	Z	31.79	1
105	MP5C	Mx	.018	1
106	MP5C	X	18.354	6
107	MP5C	Z	31.79	6
108	MP5C	Mx	.018	6
109	OVP1	X	17.128	.5
110	OVP1	Z	29.666	.5
111	OVP1	Mx	-.009	.5
112	OVP2	X	16.51	.5
113	OVP2	Z	28.596	.5
114	OVP2	Mx	-.011	.5

Member Point Loads (BLC 21 : Antenna Wi (180 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	34.6	1
3	MP2A	Mx	.02	1
4	MP2A	X	0	6
5	MP2A	Z	34.6	6
6	MP2A	Mx	.02	6
7	MP2B	X	0	1
8	MP2B	Z	25.536	1
9	MP2B	Mx	-.017	1
10	MP2B	X	0	6
11	MP2B	Z	25.536	6
12	MP2B	Mx	-.017	6
13	MP2C	X	0	1
14	MP2C	Z	26.902	1
15	MP2C	Mx	.004	1
16	MP2C	X	0	6
17	MP2C	Z	26.902	6
18	MP2C	Mx	.004	6
19	MP2A	X	0	1
20	MP2A	Z	34.6	1
21	MP2A	Mx	-.02	1
22	MP2A	X	0	6
23	MP2A	Z	34.6	6
24	MP2A	Mx	-.02	6
25	MP2B	X	0	1
26	MP2B	Z	25.536	1
27	MP2B	Mx	-.007	1
28	MP2B	X	0	6
29	MP2B	Z	25.536	6
30	MP2B	Mx	-.007	6
31	MP2C	X	0	1
32	MP2C	Z	26.902	1
33	MP2C	Mx	.019	1
34	MP2C	X	0	6
35	MP2C	Z	26.902	6
36	MP2C	Mx	.019	6
37	MP4A	X	0	2
38	MP4A	Z	20.811	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	20.811	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	10.602	2
45	MP4B	Mx	-.005	2
46	MP4B	X	0	4
47	MP4B	Z	10.602	4
48	MP4B	Mx	-.005	4
49	MP4C	X	0	2
50	MP4C	Z	12.14	2
51	MP4C	Mx	.005	2
52	MP4C	X	0	4
53	MP4C	Z	12.14	4
54	MP4C	Mx	.005	4
55	MP2A	X	0	2
56	MP2A	Z	18.036	2
57	MP2A	Mx	0	2

Member Point Loads (BLC 21 : Antenna Wi (180 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	0	2
59	MP2B	Z	13.407	2
60	MP2B	Mx	.006	2
61	MP2C	X	0	2
62	MP2C	Z	14.105	2
63	MP2C	Mx	-.006	2
64	MP3A	X	0	2
65	MP3A	Z	18.036	2
66	MP3A	Mx	0	2
67	MP3B	X	0	2
68	MP3B	Z	12.574	2
69	MP3B	Mx	.006	2
70	MP3C	X	0	2
71	MP3C	Z	13.397	2
72	MP3C	Mx	-.006	2
73	MP1A	X	0	1
74	MP1A	Z	40.437	1
75	MP1A	Mx	0	1
76	MP1A	X	0	6
77	MP1A	Z	40.437	6
78	MP1A	Mx	0	6
79	MP1B	X	0	1
80	MP1B	Z	36.961	1
81	MP1B	Mx	-.017	1
82	MP1B	X	0	6
83	MP1B	Z	36.961	6
84	MP1B	Mx	-.017	6
85	MP5A	X	0	1
86	MP5A	Z	40.437	1
87	MP5A	Mx	0	1
88	MP5A	X	0	6
89	MP5A	Z	40.437	6
90	MP5A	Mx	0	6
91	MP5B	X	0	1
92	MP5B	Z	36.961	1
93	MP5B	Mx	-.017	1
94	MP5B	X	0	6
95	MP5B	Z	36.961	6
96	MP5B	Mx	-.017	6
97	MP1C	X	0	1
98	MP1C	Z	32.616	1
99	MP1C	Mx	.014	1
100	MP1C	X	0	6
101	MP1C	Z	32.616	6
102	MP1C	Mx	.014	6
103	MP5C	X	0	1
104	MP5C	Z	32.616	1
105	MP5C	Mx	.014	1
106	MP5C	X	0	6
107	MP5C	Z	32.616	6
108	MP5C	Mx	.014	6
109	OVP1	X	0	.5
110	OVP1	Z	36.148	.5
111	OVP1	Mx	0	.5
112	OVP2	X	0	.5
113	OVP2	Z	29.464	.5
114	OVP2	Mx	-.014	.5

Member Point Loads (BLC 22 : Antenna Wi (210 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-16.017	1
2	MP2A	Z	27.742	1
3	MP2A	Mx	.024	1
4	MP2A	X	-16.017	6
5	MP2A	Z	27.742	6
6	MP2A	Mx	.024	6
7	MP2B	X	-12.322	1
8	MP2B	Z	21.343	1
9	MP2B	Mx	-.01	1
10	MP2B	X	-12.322	6
11	MP2B	Z	21.343	6
12	MP2B	Mx	-.01	6
13	MP2C	X	-16.017	1
14	MP2C	Z	27.742	1
15	MP2C	Mx	-.008	1
16	MP2C	X	-16.017	6
17	MP2C	Z	27.742	6
18	MP2C	Mx	-.008	6
19	MP2A	X	-16.017	1
20	MP2A	Z	27.742	1
21	MP2A	Mx	-.008	1
22	MP2A	X	-16.017	6
23	MP2A	Z	27.742	6
24	MP2A	Mx	-.008	6
25	MP2B	X	-12.322	1
26	MP2B	Z	21.343	1
27	MP2B	Mx	-.015	1
28	MP2B	X	-12.322	6
29	MP2B	Z	21.343	6
30	MP2B	Mx	-.015	6
31	MP2C	X	-16.017	1
32	MP2C	Z	27.742	1
33	MP2C	Mx	.024	1
34	MP2C	X	-16.017	6
35	MP2C	Z	27.742	6
36	MP2C	Mx	.024	6
37	MP4A	X	-8.96	2
38	MP4A	Z	15.519	2
39	MP4A	Mx	.004	2
40	MP4A	X	-8.96	4
41	MP4A	Z	15.519	4
42	MP4A	Mx	.004	4
43	MP4B	X	-4.799	2
44	MP4B	Z	8.312	2
45	MP4B	Mx	-.005	2
46	MP4B	X	-4.799	4
47	MP4B	Z	8.312	4
48	MP4B	Mx	-.005	4
49	MP4C	X	-8.96	2
50	MP4C	Z	15.519	2
51	MP4C	Mx	.004	2
52	MP4C	X	-8.96	4
53	MP4C	Z	15.519	4
54	MP4C	Mx	.004	4
55	MP2A	X	-8.363	2
56	MP2A	Z	14.485	2
57	MP2A	Mx	-.004	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-6.476	2
59	MP2B	Z	11.217	2
60	MP2B	Mx	.006	2
61	MP2C	X	-8.363	2
62	MP2C	Z	14.485	2
63	MP2C	Mx	-.004	2
64	MP3A	X	-8.245	2
65	MP3A	Z	14.28	2
66	MP3A	Mx	-.004	2
67	MP3B	X	-6.019	2
68	MP3B	Z	10.424	2
69	MP3B	Mx	.006	2
70	MP3C	X	-8.245	2
71	MP3C	Z	14.28	2
72	MP3C	Mx	-.004	2
73	MP1A	X	-19.727	1
74	MP1A	Z	34.167	1
75	MP1A	Mx	.01	1
76	MP1A	X	-19.727	6
77	MP1A	Z	34.167	6
78	MP1A	Mx	.01	6
79	MP1B	X	-18.31	1
80	MP1B	Z	31.714	1
81	MP1B	Mx	-.018	1
82	MP1B	X	-18.31	6
83	MP1B	Z	31.714	6
84	MP1B	Mx	-.018	6
85	MP5A	X	-19.727	1
86	MP5A	Z	34.167	1
87	MP5A	Mx	.01	1
88	MP5A	X	-19.727	6
89	MP5A	Z	34.167	6
90	MP5A	Mx	.01	6
91	MP5B	X	-18.31	1
92	MP5B	Z	31.714	1
93	MP5B	Mx	-.018	1
94	MP5B	X	-18.31	6
95	MP5B	Z	31.714	6
96	MP5B	Mx	-.018	6
97	MP1C	X	-12.216	1
98	MP1C	Z	21.158	1
99	MP1C	Mx	.006	1
100	MP1C	X	-12.216	6
101	MP1C	Z	21.158	6
102	MP1C	Mx	.006	6
103	MP5C	X	-12.216	1
104	MP5C	Z	21.158	1
105	MP5C	Mx	.006	1
106	MP5C	X	-12.216	6
107	MP5C	Z	21.158	6
108	MP5C	Mx	.006	6
109	OVP1	X	-17.128	.5
110	OVP1	Z	29.666	.5
111	OVP1	Mx	.009	.5
112	OVP2	X	-14.403	.5
113	OVP2	Z	24.947	.5
114	OVP2	Mx	-.014	.5

Member Point Loads (BLC 23 : Antenna Wi (240 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-23.297	1
2	MP2A	Z	13.451	1
3	MP2A	Mx	.019	1
4	MP2A	X	-23.297	6
5	MP2A	Z	13.451	6
6	MP2A	Mx	.019	6
7	MP2B	X	-24.748	1
8	MP2B	Z	14.288	1
9	MP2B	Mx	-.00023	1
10	MP2B	X	-24.748	6
11	MP2B	Z	14.288	6
12	MP2B	Mx	-.00023	6
13	MP2C	X	-29.965	1
14	MP2C	Z	17.3	1
15	MP2C	Mx	-.02	1
16	MP2C	X	-29.965	6
17	MP2C	Z	17.3	6
18	MP2C	Mx	-.02	6
19	MP2A	X	-23.297	1
20	MP2A	Z	13.451	1
21	MP2A	Mx	.004	1
22	MP2A	X	-23.297	6
23	MP2A	Z	13.451	6
24	MP2A	Mx	.004	6
25	MP2B	X	-24.748	1
26	MP2B	Z	14.288	1
27	MP2B	Mx	-.022	1
28	MP2B	X	-24.748	6
29	MP2B	Z	14.288	6
30	MP2B	Mx	-.022	6
31	MP2C	X	-29.965	1
32	MP2C	Z	17.3	1
33	MP2C	Mx	.02	1
34	MP2C	X	-29.965	6
35	MP2C	Z	17.3	6
36	MP2C	Mx	.02	6
37	MP4A	X	-10.513	2
38	MP4A	Z	6.07	2
39	MP4A	Mx	.005	2
40	MP4A	X	-10.513	4
41	MP4A	Z	6.07	4
42	MP4A	Mx	.005	4
43	MP4B	X	-12.147	2
44	MP4B	Z	7.013	2
45	MP4B	Mx	-.005	2
46	MP4B	X	-12.147	4
47	MP4B	Z	7.013	4
48	MP4B	Mx	-.005	4
49	MP4C	X	-18.023	2
50	MP4C	Z	10.405	2
51	MP4C	Mx	0	2
52	MP4C	X	-18.023	4
53	MP4C	Z	10.405	4
54	MP4C	Mx	0	4
55	MP2A	X	-12.215	2
56	MP2A	Z	7.052	2
57	MP2A	Mx	-.006	2

Member Point Loads (BLC 23 : Antenna Wi (240 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-12.956	2
59	MP2B	Z	7.48	2
60	MP2B	Mx	.006	2
61	MP2C	X	-15.619	2
62	MP2C	Z	9.018	2
63	MP2C	Mx	0	2
64	MP3A	X	-11.602	2
65	MP3A	Z	6.698	2
66	MP3A	Mx	-.006	2
67	MP3B	X	-12.476	2
68	MP3B	Z	7.203	2
69	MP3B	Mx	.006	2
70	MP3C	X	-15.619	2
71	MP3C	Z	9.018	2
72	MP3C	Mx	0	2
73	MP1A	X	-32.463	1
74	MP1A	Z	18.743	1
75	MP1A	Mx	.016	1
76	MP1A	X	-32.463	6
77	MP1A	Z	18.743	6
78	MP1A	Mx	.016	6
79	MP1B	X	-33.019	1
80	MP1B	Z	19.064	1
81	MP1B	Mx	-.015	1
82	MP1B	X	-33.019	6
83	MP1B	Z	19.064	6
84	MP1B	Mx	-.015	6
85	MP5A	X	-32.463	1
86	MP5A	Z	18.743	1
87	MP5A	Mx	.016	1
88	MP5A	X	-32.463	6
89	MP5A	Z	18.743	6
90	MP5A	Mx	.016	6
91	MP5B	X	-33.019	1
92	MP5B	Z	19.064	1
93	MP5B	Mx	-.015	1
94	MP5B	X	-33.019	6
95	MP5B	Z	19.064	6
96	MP5B	Mx	-.015	6
97	MP1C	X	-17.614	1
98	MP1C	Z	10.17	1
99	MP1C	Mx	0	1
100	MP1C	X	-17.614	6
101	MP1C	Z	10.17	6
102	MP1C	Mx	0	6
103	MP5C	X	-17.614	1
104	MP5C	Z	10.17	1
105	MP5C	Mx	0	1
106	MP5C	X	-17.614	6
107	MP5C	Z	10.17	6
108	MP5C	Mx	0	6
109	OVP1	X	-26.389	.5
110	OVP1	Z	15.235	.5
111	OVP1	Mx	.013	.5
112	OVP2	X	-27.458	.5
113	OVP2	Z	15.853	.5
114	OVP2	Mx	-.012	.5

Member Point Loads (BLC 24 : Antenna Wi (270 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-24.335	1
2	MP2A	Z	0	1
3	MP2A	Mx	.012	1
4	MP2A	X	-24.335	6
5	MP2A	Z	0	6
6	MP2A	Mx	.012	6
7	MP2B	X	-33.4	1
8	MP2B	Z	0	1
9	MP2B	Mx	.013	1
10	MP2B	X	-33.4	6
11	MP2B	Z	0	6
12	MP2B	Mx	.013	6
13	MP2C	X	-32.034	1
14	MP2C	Z	0	1
15	MP2C	Mx	-.024	1
16	MP2C	X	-32.034	6
17	MP2C	Z	0	6
18	MP2C	Mx	-.024	6
19	MP2A	X	-24.335	1
20	MP2A	Z	0	1
21	MP2A	Mx	.012	1
22	MP2A	X	-24.335	6
23	MP2A	Z	0	6
24	MP2A	Mx	.012	6
25	MP2B	X	-33.4	1
26	MP2B	Z	0	1
27	MP2B	Mx	-.024	1
28	MP2B	X	-33.4	6
29	MP2B	Z	0	6
30	MP2B	Mx	-.024	6
31	MP2C	X	-32.034	1
32	MP2C	Z	0	1
33	MP2C	Mx	.008	1
34	MP2C	X	-32.034	6
35	MP2C	Z	0	6
36	MP2C	Mx	.008	6
37	MP4A	X	-9.249	2
38	MP4A	Z	0	2
39	MP4A	Mx	.005	2
40	MP4A	X	-9.249	4
41	MP4A	Z	0	4
42	MP4A	Mx	.005	4
43	MP4B	X	-19.458	2
44	MP4B	Z	0	2
45	MP4B	Mx	-.003	2
46	MP4B	X	-19.458	4
47	MP4B	Z	0	4
48	MP4B	Mx	-.003	4
49	MP4C	X	-17.92	2
50	MP4C	Z	0	2
51	MP4C	Mx	-.004	2
52	MP4C	X	-17.92	4
53	MP4C	Z	0	4
54	MP4C	Mx	-.004	4
55	MP2A	X	-12.794	2
56	MP2A	Z	0	2
57	MP2A	Mx	-.006	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-17.423	2
59	MP2B	Z	0	2
60	MP2B	Mx	.003	2
61	MP2C	X	-16.725	2
62	MP2C	Z	0	2
63	MP2C	Mx	.004	2
64	MP3A	X	-11.851	2
65	MP3A	Z	0	2
66	MP3A	Mx	-.006	2
67	MP3B	X	-17.312	2
68	MP3B	Z	0	2
69	MP3B	Mx	.003	2
70	MP3C	X	-16.49	2
71	MP3C	Z	0	2
72	MP3C	Mx	.004	2
73	MP1A	X	-36.501	1
74	MP1A	Z	0	1
75	MP1A	Mx	.018	1
76	MP1A	X	-36.501	6
77	MP1A	Z	0	6
78	MP1A	Mx	.018	6
79	MP1B	X	-39.977	1
80	MP1B	Z	0	1
81	MP1B	Mx	-.007	1
82	MP1B	X	-39.977	6
83	MP1B	Z	0	6
84	MP1B	Mx	-.007	6
85	MP5A	X	-36.501	1
86	MP5A	Z	0	1
87	MP5A	Mx	.018	1
88	MP5A	X	-36.501	6
89	MP5A	Z	0	6
90	MP5A	Mx	.018	6
91	MP5B	X	-39.977	1
92	MP5B	Z	0	1
93	MP5B	Mx	-.007	1
94	MP5B	X	-39.977	6
95	MP5B	Z	0	6
96	MP5B	Mx	-.007	6
97	MP1C	X	-24.431	1
98	MP1C	Z	0	1
99	MP1C	Mx	-.006	1
100	MP1C	X	-24.431	6
101	MP1C	Z	0	6
102	MP1C	Mx	-.006	6
103	MP5C	X	-24.431	1
104	MP5C	Z	0	1
105	MP5C	Mx	-.006	1
106	MP5C	X	-24.431	6
107	MP5C	Z	0	6
108	MP5C	Mx	-.006	6
109	OVP1	X	-28.579	.5
110	OVP1	Z	0	.5
111	OVP1	Mx	.014	.5
112	OVP2	X	-35.262	.5
113	OVP2	Z	0	.5
114	OVP2	Mx	-.006	.5

Member Point Loads (BLC 25 : Antenna Wi (300 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-23.297	1
2	MP2A	Z	-13.451	1
3	MP2A	Mx	.004	1
4	MP2A	X	-23.297	6
5	MP2A	Z	-13.451	6
6	MP2A	Mx	.004	6
7	MP2B	X	-29.697	1
8	MP2B	Z	-17.145	1
9	MP2B	Mx	.023	1
10	MP2B	X	-29.697	6
11	MP2B	Z	-17.145	6
12	MP2B	Mx	.023	6
13	MP2C	X	-23.297	1
14	MP2C	Z	-13.451	1
15	MP2C	Mx	-.019	1
16	MP2C	X	-23.297	6
17	MP2C	Z	-13.451	6
18	MP2C	Mx	-.019	6
19	MP2A	X	-23.297	1
20	MP2A	Z	-13.451	1
21	MP2A	Mx	.019	1
22	MP2A	X	-23.297	6
23	MP2A	Z	-13.451	6
24	MP2A	Mx	.019	6
25	MP2B	X	-29.697	1
26	MP2B	Z	-17.145	1
27	MP2B	Mx	-.017	1
28	MP2B	X	-29.697	6
29	MP2B	Z	-17.145	6
30	MP2B	Mx	-.017	6
31	MP2C	X	-23.297	1
32	MP2C	Z	-13.451	1
33	MP2C	Mx	-.004	1
34	MP2C	X	-23.297	6
35	MP2C	Z	-13.451	6
36	MP2C	Mx	-.004	6
37	MP4A	X	-10.513	2
38	MP4A	Z	-6.07	2
39	MP4A	Mx	.005	2
40	MP4A	X	-10.513	4
41	MP4A	Z	-6.07	4
42	MP4A	Mx	.005	4
43	MP4B	X	-17.721	2
44	MP4B	Z	-10.231	2
45	MP4B	Mx	.002	2
46	MP4B	X	-17.721	4
47	MP4B	Z	-10.231	4
48	MP4B	Mx	.002	4
49	MP4C	X	-10.513	2
50	MP4C	Z	-6.07	2
51	MP4C	Mx	-.005	2
52	MP4C	X	-10.513	4
53	MP4C	Z	-6.07	4
54	MP4C	Mx	-.005	4
55	MP2A	X	-12.215	2
56	MP2A	Z	-7.052	2
57	MP2A	Mx	-.006	2

Member Point Loads (BLC 25 : Antenna Wi (300 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-15.483	2
59	MP2B	Z	-8.939	2
60	MP2B	Mx	-.002	2
61	MP2C	X	-12.215	2
62	MP2C	Z	-7.052	2
63	MP2C	Mx	.006	2
64	MP3A	X	-11.602	2
65	MP3A	Z	-6.698	2
66	MP3A	Mx	-.006	2
67	MP3B	X	-15.458	2
68	MP3B	Z	-8.925	2
69	MP3B	Mx	-.002	2
70	MP3C	X	-11.602	2
71	MP3C	Z	-6.698	2
72	MP3C	Mx	.006	2
73	MP1A	X	-32.463	1
74	MP1A	Z	-18.743	1
75	MP1A	Mx	.016	1
76	MP1A	X	-32.463	6
77	MP1A	Z	-18.743	6
78	MP1A	Mx	.016	6
79	MP1B	X	-34.917	1
80	MP1B	Z	-20.159	1
81	MP1B	Mx	.004	1
82	MP1B	X	-34.917	6
83	MP1B	Z	-20.159	6
84	MP1B	Mx	.004	6
85	MP5A	X	-32.463	1
86	MP5A	Z	-18.743	1
87	MP5A	Mx	.016	1
88	MP5A	X	-32.463	6
89	MP5A	Z	-18.743	6
90	MP5A	Mx	.016	6
91	MP5B	X	-34.917	1
92	MP5B	Z	-20.159	1
93	MP5B	Mx	.004	1
94	MP5B	X	-34.917	6
95	MP5B	Z	-20.159	6
96	MP5B	Mx	.004	6
97	MP1C	X	-28.246	1
98	MP1C	Z	-16.308	1
99	MP1C	Mx	-.014	1
100	MP1C	X	-28.246	6
101	MP1C	Z	-16.308	6
102	MP1C	Mx	-.014	6
103	MP5C	X	-28.246	1
104	MP5C	Z	-16.308	1
105	MP5C	Mx	-.014	1
106	MP5C	X	-28.246	6
107	MP5C	Z	-16.308	6
108	MP5C	Mx	-.014	6
109	OVP1	X	-26.389	.5
110	OVP1	Z	-15.235	.5
111	OVP1	Mx	.013	.5
112	OVP2	X	-31.107	.5
113	OVP2	Z	-17.96	.5
114	OVP2	Mx	.003	.5

Member Point Loads (BLC 26 : Antenna Wi (330 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-16.017	1
2	MP2A	Z	-27.742	1
3	MP2A	Mx	-.008	1
4	MP2A	X	-16.017	6
5	MP2A	Z	-27.742	6
6	MP2A	Mx	-.008	6
7	MP2B	X	-15.18	1
8	MP2B	Z	-26.292	1
9	MP2B	Mx	.023	1
10	MP2B	X	-15.18	6
11	MP2B	Z	-26.292	6
12	MP2B	Mx	.023	6
13	MP2C	X	-12.168	1
14	MP2C	Z	-21.075	1
15	MP2C	Mx	-.012	1
16	MP2C	X	-12.168	6
17	MP2C	Z	-21.075	6
18	MP2C	Mx	-.012	6
19	MP2A	X	-16.017	1
20	MP2A	Z	-27.742	1
21	MP2A	Mx	.024	1
22	MP2A	X	-16.017	6
23	MP2A	Z	-27.742	6
24	MP2A	Mx	.024	6
25	MP2B	X	-15.18	1
26	MP2B	Z	-26.292	1
27	MP2B	Mx	-.004	1
28	MP2B	X	-15.18	6
29	MP2B	Z	-26.292	6
30	MP2B	Mx	-.004	6
31	MP2C	X	-12.168	1
32	MP2C	Z	-21.075	1
33	MP2C	Mx	-.012	1
34	MP2C	X	-12.168	6
35	MP2C	Z	-21.075	6
36	MP2C	Mx	-.012	6
37	MP4A	X	-8.96	2
38	MP4A	Z	-15.519	2
39	MP4A	Mx	.004	2
40	MP4A	X	-8.96	4
41	MP4A	Z	-15.519	4
42	MP4A	Mx	.004	4
43	MP4B	X	-8.017	2
44	MP4B	Z	-13.886	2
45	MP4B	Mx	.005	2
46	MP4B	X	-8.017	4
47	MP4B	Z	-13.886	4
48	MP4B	Mx	.005	4
49	MP4C	X	-4.625	2
50	MP4C	Z	-8.01	2
51	MP4C	Mx	-.005	2
52	MP4C	X	-4.625	4
53	MP4C	Z	-8.01	4
54	MP4C	Mx	-.005	4
55	MP2A	X	-8.363	2
56	MP2A	Z	-14.485	2
57	MP2A	Mx	-.004	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-7.935	2
59	MP2B	Z	-13.744	2
60	MP2B	Mx	-.005	2
61	MP2C	X	-6.397	2
62	MP2C	Z	-11.08	2
63	MP2C	Mx	.006	2
64	MP3A	X	-8.245	2
65	MP3A	Z	-14.28	2
66	MP3A	Mx	-.004	2
67	MP3B	X	-7.74	2
68	MP3B	Z	-13.406	2
69	MP3B	Mx	-.005	2
70	MP3C	X	-5.925	2
71	MP3C	Z	-10.263	2
72	MP3C	Mx	.006	2
73	MP1A	X	-19.727	1
74	MP1A	Z	-34.167	1
75	MP1A	Mx	.01	1
76	MP1A	X	-19.727	6
77	MP1A	Z	-34.167	6
78	MP1A	Mx	.01	6
79	MP1B	X	-19.405	1
80	MP1B	Z	-33.611	1
81	MP1B	Mx	.012	1
82	MP1B	X	-19.405	6
83	MP1B	Z	-33.611	6
84	MP1B	Mx	.012	6
85	MP5A	X	-19.727	1
86	MP5A	Z	-34.167	1
87	MP5A	Mx	.01	1
88	MP5A	X	-19.727	6
89	MP5A	Z	-34.167	6
90	MP5A	Mx	.01	6
91	MP5B	X	-19.405	1
92	MP5B	Z	-33.611	1
93	MP5B	Mx	.012	1
94	MP5B	X	-19.405	6
95	MP5B	Z	-33.611	6
96	MP5B	Mx	.012	6
97	MP1C	X	-18.354	1
98	MP1C	Z	-31.79	1
99	MP1C	Mx	-.018	1
100	MP1C	X	-18.354	6
101	MP1C	Z	-31.79	6
102	MP1C	Mx	-.018	6
103	MP5C	X	-18.354	1
104	MP5C	Z	-31.79	1
105	MP5C	Mx	-.018	1
106	MP5C	X	-18.354	6
107	MP5C	Z	-31.79	6
108	MP5C	Mx	-.018	6
109	OVP1	X	-17.128	.5
110	OVP1	Z	-29.666	.5
111	OVP1	Mx	.009	.5
112	OVP2	X	-16.51	.5
113	OVP2	Z	-28.596	.5
114	OVP2	Mx	.011	.5

Member Point Loads (BLC 27 : Antenna Wm (0 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	-10.743	1
3	MP2A	Mx	-.006	1
4	MP2A	X	0	6
5	MP2A	Z	-10.743	6
6	MP2A	Mx	-.006	6
7	MP2B	X	0	1
8	MP2B	Z	-7.528	1
9	MP2B	Mx	.005	1
10	MP2B	X	0	6
11	MP2B	Z	-7.528	6
12	MP2B	Mx	.005	6
13	MP2C	X	0	1
14	MP2C	Z	-8.012	1
15	MP2C	Mx	-.001	1
16	MP2C	X	0	6
17	MP2C	Z	-8.012	6
18	MP2C	Mx	-.001	6
19	MP2A	X	0	1
20	MP2A	Z	-10.743	1
21	MP2A	Mx	.006	1
22	MP2A	X	0	6
23	MP2A	Z	-10.743	6
24	MP2A	Mx	.006	6
25	MP2B	X	0	1
26	MP2B	Z	-7.528	1
27	MP2B	Mx	.002	1
28	MP2B	X	0	6
29	MP2B	Z	-7.528	6
30	MP2B	Mx	.002	6
31	MP2C	X	0	1
32	MP2C	Z	-8.012	1
33	MP2C	Mx	-.006	1
34	MP2C	X	0	6
35	MP2C	Z	-8.012	6
36	MP2C	Mx	-.006	6
37	MP4A	X	0	2
38	MP4A	Z	-6.249	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	-6.249	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	-2.891	2
45	MP4B	Mx	.001	2
46	MP4B	X	0	4
47	MP4B	Z	-2.891	4
48	MP4B	Mx	.001	4
49	MP4C	X	0	2
50	MP4C	Z	-3.397	2
51	MP4C	Mx	-.001	2
52	MP4C	X	0	4
53	MP4C	Z	-3.397	4
54	MP4C	Mx	-.001	4
55	MP2A	X	0	2
56	MP2A	Z	-4.973	2
57	MP2A	Mx	0	2

Member Point Loads (BLC 27 : Antenna Wm (0 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	0	2
59	MP2B	Z	-3.517	2
60	MP2B	Mx	-.002	2
61	MP2C	X	0	2
62	MP2C	Z	-3.736	2
63	MP2C	Mx	.002	2
64	MP3A	X	0	2
65	MP3A	Z	-4.973	2
66	MP3A	Mx	0	2
67	MP3B	X	0	2
68	MP3B	Z	-3.253	2
69	MP3B	Mx	-.002	2
70	MP3C	X	0	2
71	MP3C	Z	-3.512	2
72	MP3C	Mx	.002	2
73	MP1A	X	0	1
74	MP1A	Z	-12.764	1
75	MP1A	Mx	0	1
76	MP1A	X	0	6
77	MP1A	Z	-12.764	6
78	MP1A	Mx	0	6
79	MP1B	X	0	1
80	MP1B	Z	-11.56	1
81	MP1B	Mx	.005	1
82	MP1B	X	0	6
83	MP1B	Z	-11.56	6
84	MP1B	Mx	.005	6
85	MP5A	X	0	1
86	MP5A	Z	-12.764	1
87	MP5A	Mx	0	1
88	MP5A	X	0	6
89	MP5A	Z	-12.764	6
90	MP5A	Mx	0	6
91	MP5B	X	0	1
92	MP5B	Z	-11.56	1
93	MP5B	Mx	.005	1
94	MP5B	X	0	6
95	MP5B	Z	-11.56	6
96	MP5B	Mx	.005	6
97	MP1C	X	0	1
98	MP1C	Z	-10.043	1
99	MP1C	Mx	-.004	1
100	MP1C	X	0	6
101	MP1C	Z	-10.043	6
102	MP1C	Mx	-.004	6
103	MP5C	X	0	1
104	MP5C	Z	-10.043	1
105	MP5C	Mx	-.004	1
106	MP5C	X	0	6
107	MP5C	Z	-10.043	6
108	MP5C	Mx	-.004	6
109	OVP1	X	0	.5
110	OVP1	Z	-10.796	.5
111	OVP1	Mx	0	.5
112	OVP2	X	0	.5
113	OVP2	Z	-8.536	.5
114	OVP2	Mx	.004	.5

Member Point Loads (BLC 28 : Antenna Wm (30 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	4.916	1
2	MP2A	Z	-8.515	1
3	MP2A	Mx	-.007	1
4	MP2A	X	4.916	6
5	MP2A	Z	-8.515	6
6	MP2A	Mx	-.007	6
7	MP2B	X	3.606	1
8	MP2B	Z	-6.246	1
9	MP2B	Mx	.003	1
10	MP2B	X	3.606	6
11	MP2B	Z	-6.246	6
12	MP2B	Mx	.003	6
13	MP2C	X	4.916	1
14	MP2C	Z	-8.515	1
15	MP2C	Mx	.003	1
16	MP2C	X	4.916	6
17	MP2C	Z	-8.515	6
18	MP2C	Mx	.003	6
19	MP2A	X	4.916	1
20	MP2A	Z	-8.515	1
21	MP2A	Mx	.003	1
22	MP2A	X	4.916	6
23	MP2A	Z	-8.515	6
24	MP2A	Mx	.003	6
25	MP2B	X	3.606	1
26	MP2B	Z	-6.246	1
27	MP2B	Mx	.004	1
28	MP2B	X	3.606	6
29	MP2B	Z	-6.246	6
30	MP2B	Mx	.004	6
31	MP2C	X	4.916	1
32	MP2C	Z	-8.515	1
33	MP2C	Mx	-.007	1
34	MP2C	X	4.916	6
35	MP2C	Z	-8.515	6
36	MP2C	Mx	-.007	6
37	MP4A	X	2.649	2
38	MP4A	Z	-4.588	2
39	MP4A	Mx	-.001	2
40	MP4A	X	2.649	4
41	MP4A	Z	-4.588	4
42	MP4A	Mx	-.001	4
43	MP4B	X	1.281	2
44	MP4B	Z	-2.218	2
45	MP4B	Mx	.001	2
46	MP4B	X	1.281	4
47	MP4B	Z	-2.218	4
48	MP4B	Mx	.001	4
49	MP4C	X	2.649	2
50	MP4C	Z	-4.588	2
51	MP4C	Mx	-.001	2
52	MP4C	X	2.649	4
53	MP4C	Z	-4.588	4
54	MP4C	Mx	-.001	4
55	MP2A	X	2.28	2
56	MP2A	Z	-3.949	2
57	MP2A	Mx	.001	2

Member Point Loads (BLC 28 : Antenna Wm (30 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	1.687	2
59	MP2B	Z	-2.922	2
60	MP2B	Mx	-.002	2
61	MP2C	X	2.28	2
62	MP2C	Z	-3.949	2
63	MP2C	Mx	.001	2
64	MP3A	X	2.243	2
65	MP3A	Z	-3.885	2
66	MP3A	Mx	.001	2
67	MP3B	X	1.542	2
68	MP3B	Z	-2.67	2
69	MP3B	Mx	-.002	2
70	MP3C	X	2.243	2
71	MP3C	Z	-3.885	2
72	MP3C	Mx	.001	2
73	MP1A	X	6.211	1
74	MP1A	Z	-10.759	1
75	MP1A	Mx	-.003	1
76	MP1A	X	6.211	6
77	MP1A	Z	-10.759	6
78	MP1A	Mx	-.003	6
79	MP1B	X	5.721	1
80	MP1B	Z	-9.909	1
81	MP1B	Mx	.006	1
82	MP1B	X	5.721	6
83	MP1B	Z	-9.909	6
84	MP1B	Mx	.006	6
85	MP5A	X	6.211	1
86	MP5A	Z	-10.759	1
87	MP5A	Mx	-.003	1
88	MP5A	X	6.211	6
89	MP5A	Z	-10.759	6
90	MP5A	Mx	-.003	6
91	MP5B	X	5.721	1
92	MP5B	Z	-9.909	1
93	MP5B	Mx	.006	1
94	MP5B	X	5.721	6
95	MP5B	Z	-9.909	6
96	MP5B	Mx	.006	6
97	MP1C	X	3.593	1
98	MP1C	Z	-6.223	1
99	MP1C	Mx	-.002	1
100	MP1C	X	3.593	6
101	MP1C	Z	-6.223	6
102	MP1C	Mx	-.002	6
103	MP5C	X	3.593	1
104	MP5C	Z	-6.223	1
105	MP5C	Mx	-.002	1
106	MP5C	X	3.593	6
107	MP5C	Z	-6.223	6
108	MP5C	Mx	-.002	6
109	OVP1	X	5.078	.5
110	OVP1	Z	-8.795	.5
111	OVP1	Mx	-.003	.5
112	OVP2	X	4.157	.5
113	OVP2	Z	-7.2	.5
114	OVP2	Mx	.004	.5

Member Point Loads (BLC 29 : Antenna Wm (60 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	6.939	1
2	MP2A	Z	-4.006	1
3	MP2A	Mx	-.006	1
4	MP2A	X	6.939	6
5	MP2A	Z	-4.006	6
6	MP2A	Mx	-.006	6
7	MP2B	X	7.453	1
8	MP2B	Z	-4.303	1
9	MP2B	Mx	6.9e-5	1
10	MP2B	X	7.453	6
11	MP2B	Z	-4.303	6
12	MP2B	Mx	6.9e-5	6
13	MP2C	X	9.303	1
14	MP2C	Z	-5.371	1
15	MP2C	Mx	.006	1
16	MP2C	X	9.303	6
17	MP2C	Z	-5.371	6
18	MP2C	Mx	.006	6
19	MP2A	X	6.939	1
20	MP2A	Z	-4.006	1
21	MP2A	Mx	-.001	1
22	MP2A	X	6.939	6
23	MP2A	Z	-4.006	6
24	MP2A	Mx	-.001	6
25	MP2B	X	7.453	1
26	MP2B	Z	-4.303	1
27	MP2B	Mx	.007	1
28	MP2B	X	7.453	6
29	MP2B	Z	-4.303	6
30	MP2B	Mx	.007	6
31	MP2C	X	9.303	1
32	MP2C	Z	-5.371	1
33	MP2C	Mx	-.006	1
34	MP2C	X	9.303	6
35	MP2C	Z	-5.371	6
36	MP2C	Mx	-.006	6
37	MP4A	X	2.942	2
38	MP4A	Z	-1.699	2
39	MP4A	Mx	-.001	2
40	MP4A	X	2.942	4
41	MP4A	Z	-1.699	4
42	MP4A	Mx	-.001	4
43	MP4B	X	3.479	2
44	MP4B	Z	-2.009	2
45	MP4B	Mx	.002	2
46	MP4B	X	3.479	4
47	MP4B	Z	-2.009	4
48	MP4B	Mx	.002	4
49	MP4C	X	5.412	2
50	MP4C	Z	-3.124	2
51	MP4C	Mx	0	2
52	MP4C	X	5.412	4
53	MP4C	Z	-3.124	4
54	MP4C	Mx	0	4
55	MP2A	X	3.235	2
56	MP2A	Z	-1.868	2
57	MP2A	Mx	.002	2

Member Point Loads (BLC 29 : Antenna Wm (60 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	3.468	2
59	MP2B	Z	-2.003	2
60	MP2B	Mx	-.002	2
61	MP2C	X	4.306	2
62	MP2C	Z	-2.486	2
63	MP2C	Mx	0	2
64	MP3A	X	3.041	2
65	MP3A	Z	-1.756	2
66	MP3A	Mx	.002	2
67	MP3B	X	3.316	2
68	MP3B	Z	-1.915	2
69	MP3B	Mx	-.001	2
70	MP3C	X	4.306	2
71	MP3C	Z	-2.486	2
72	MP3C	Mx	0	2
73	MP1A	X	10.168	1
74	MP1A	Z	-5.871	1
75	MP1A	Mx	-.005	1
76	MP1A	X	10.168	6
77	MP1A	Z	-5.871	6
78	MP1A	Mx	-.005	6
79	MP1B	X	10.361	1
80	MP1B	Z	-5.982	1
81	MP1B	Mx	.005	1
82	MP1B	X	10.361	6
83	MP1B	Z	-5.982	6
84	MP1B	Mx	.005	6
85	MP5A	X	10.168	1
86	MP5A	Z	-5.871	1
87	MP5A	Mx	-.005	1
88	MP5A	X	10.168	6
89	MP5A	Z	-5.871	6
90	MP5A	Mx	-.005	6
91	MP5B	X	10.361	1
92	MP5B	Z	-5.982	1
93	MP5B	Mx	.005	1
94	MP5B	X	10.361	6
95	MP5B	Z	-5.982	6
96	MP5B	Mx	.005	6
97	MP1C	X	4.986	1
98	MP1C	Z	-2.878	1
99	MP1C	Mx	0	1
100	MP1C	X	4.986	6
101	MP1C	Z	-2.878	6
102	MP1C	Mx	0	6
103	MP5C	X	4.986	1
104	MP5C	Z	-2.878	1
105	MP5C	Mx	0	1
106	MP5C	X	4.986	6
107	MP5C	Z	-2.878	6
108	MP5C	Mx	0	6
109	OVP1	X	7.687	.5
110	OVP1	Z	-4.438	.5
111	OVP1	Mx	-.004	.5
112	OVP2	X	8.049	.5
113	OVP2	Z	-4.647	.5
114	OVP2	Mx	.004	.5

Member Point Loads (BLC 30 : Antenna Wm (90 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	7.102	1
2	MP2A	Z	0	1
3	MP2A	Mx	-.004	1
4	MP2A	X	7.102	6
5	MP2A	Z	0	6
6	MP2A	Mx	-.004	6
7	MP2B	X	10.317	1
8	MP2B	Z	0	1
9	MP2B	Mx	-.004	1
10	MP2B	X	10.317	6
11	MP2B	Z	0	6
12	MP2B	Mx	-.004	6
13	MP2C	X	9.833	1
14	MP2C	Z	0	1
15	MP2C	Mx	.007	1
16	MP2C	X	9.833	6
17	MP2C	Z	0	6
18	MP2C	Mx	.007	6
19	MP2A	X	7.102	1
20	MP2A	Z	0	1
21	MP2A	Mx	-.004	1
22	MP2A	X	7.102	6
23	MP2A	Z	0	6
24	MP2A	Mx	-.004	6
25	MP2B	X	10.317	1
26	MP2B	Z	0	1
27	MP2B	Mx	.007	1
28	MP2B	X	10.317	6
29	MP2B	Z	0	6
30	MP2B	Mx	.007	6
31	MP2C	X	9.833	1
32	MP2C	Z	0	1
33	MP2C	Mx	-.003	1
34	MP2C	X	9.833	6
35	MP2C	Z	0	6
36	MP2C	Mx	-.003	6
37	MP4A	X	2.446	2
38	MP4A	Z	0	2
39	MP4A	Mx	-.001	2
40	MP4A	X	2.446	4
41	MP4A	Z	0	4
42	MP4A	Mx	-.001	4
43	MP4B	X	5.804	2
44	MP4B	Z	0	2
45	MP4B	Mx	.000993	2
46	MP4B	X	5.804	4
47	MP4B	Z	0	4
48	MP4B	Mx	.000993	4
49	MP4C	X	5.298	2
50	MP4C	Z	0	2
51	MP4C	Mx	.001	2
52	MP4C	X	5.298	4
53	MP4C	Z	0	4
54	MP4C	Mx	.001	4
55	MP2A	X	3.324	2
56	MP2A	Z	0	2
57	MP2A	Mx	.002	2

Member Point Loads (BLC 30 : Antenna Wm (90 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	4.78	2
59	MP2B	Z	0	2
60	MP2B	Mx	-.000817	2
61	MP2C	X	4.56	2
62	MP2C	Z	0	2
63	MP2C	Mx	-.001	2
64	MP3A	X	3.025	2
65	MP3A	Z	0	2
66	MP3A	Mx	.002	2
67	MP3B	X	4.745	2
68	MP3B	Z	0	2
69	MP3B	Mx	-.000811	2
70	MP3C	X	4.486	2
71	MP3C	Z	0	2
72	MP3C	Mx	-.001	2
73	MP1A	X	11.401	1
74	MP1A	Z	0	1
75	MP1A	Mx	-.006	1
76	MP1A	X	11.401	6
77	MP1A	Z	0	6
78	MP1A	Mx	-.006	6
79	MP1B	X	12.604	1
80	MP1B	Z	0	1
81	MP1B	Mx	.002	1
82	MP1B	X	12.604	6
83	MP1B	Z	0	6
84	MP1B	Mx	.002	6
85	MP5A	X	11.401	1
86	MP5A	Z	0	1
87	MP5A	Mx	-.006	1
88	MP5A	X	11.401	6
89	MP5A	Z	0	6
90	MP5A	Mx	-.006	6
91	MP5B	X	12.604	1
92	MP5B	Z	0	1
93	MP5B	Mx	.002	1
94	MP5B	X	12.604	6
95	MP5B	Z	0	6
96	MP5B	Mx	.002	6
97	MP1C	X	7.186	1
98	MP1C	Z	0	1
99	MP1C	Mx	.002	1
100	MP1C	X	7.186	6
101	MP1C	Z	0	6
102	MP1C	Mx	.002	6
103	MP5C	X	7.186	1
104	MP5C	Z	0	1
105	MP5C	Mx	.002	1
106	MP5C	X	7.186	6
107	MP5C	Z	0	6
108	MP5C	Mx	.002	6
109	OVP1	X	8.237	.5
110	OVP1	Z	0	.5
111	OVP1	Mx	-.004	.5
112	OVP2	X	10.497	.5
113	OVP2	Z	0	.5
114	OVP2	Mx	.002	.5

Member Point Loads (BLC 31 : Antenna Wm (120 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	6.939	1
2	MP2A	Z	4.006	1
3	MP2A	Mx	-.001	1
4	MP2A	X	6.939	6
5	MP2A	Z	4.006	6
6	MP2A	Mx	-.001	6
7	MP2B	X	9.208	1
8	MP2B	Z	5.316	1
9	MP2B	Mx	-.007	1
10	MP2B	X	9.208	6
11	MP2B	Z	5.316	6
12	MP2B	Mx	-.007	6
13	MP2C	X	6.939	1
14	MP2C	Z	4.006	1
15	MP2C	Mx	.006	1
16	MP2C	X	6.939	6
17	MP2C	Z	4.006	6
18	MP2C	Mx	.006	6
19	MP2A	X	6.939	1
20	MP2A	Z	4.006	1
21	MP2A	Mx	-.006	1
22	MP2A	X	6.939	6
23	MP2A	Z	4.006	6
24	MP2A	Mx	-.006	6
25	MP2B	X	9.208	1
26	MP2B	Z	5.316	1
27	MP2B	Mx	.005	1
28	MP2B	X	9.208	6
29	MP2B	Z	5.316	6
30	MP2B	Mx	.005	6
31	MP2C	X	6.939	1
32	MP2C	Z	4.006	1
33	MP2C	Mx	.001	1
34	MP2C	X	6.939	6
35	MP2C	Z	4.006	6
36	MP2C	Mx	.001	6
37	MP4A	X	2.942	2
38	MP4A	Z	1.699	2
39	MP4A	Mx	-.001	2
40	MP4A	X	2.942	4
41	MP4A	Z	1.699	4
42	MP4A	Mx	-.001	4
43	MP4B	X	5.312	2
44	MP4B	Z	3.067	2
45	MP4B	Mx	-.000533	2
46	MP4B	X	5.312	4
47	MP4B	Z	3.067	4
48	MP4B	Mx	-.000533	4
49	MP4C	X	2.942	2
50	MP4C	Z	1.699	2
51	MP4C	Mx	.001	2
52	MP4C	X	2.942	4
53	MP4C	Z	1.699	4
54	MP4C	Mx	.001	4
55	MP2A	X	3.235	2
56	MP2A	Z	1.868	2
57	MP2A	Mx	.002	2

Member Point Loads (BLC 31 : Antenna Wm (120 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	4.263	2
59	MP2B	Z	2.461	2
60	MP2B	Mx	.000427	2
61	MP2C	X	3.235	2
62	MP2C	Z	1.868	2
63	MP2C	Mx	-.002	2
64	MP3A	X	3.041	2
65	MP3A	Z	1.756	2
66	MP3A	Mx	.002	2
67	MP3B	X	4.255	2
68	MP3B	Z	2.457	2
69	MP3B	Mx	.000427	2
70	MP3C	X	3.041	2
71	MP3C	Z	1.756	2
72	MP3C	Mx	-.002	2
73	MP1A	X	10.168	1
74	MP1A	Z	5.871	1
75	MP1A	Mx	-.005	1
76	MP1A	X	10.168	6
77	MP1A	Z	5.871	6
78	MP1A	Mx	-.005	6
79	MP1B	X	11.018	1
80	MP1B	Z	6.361	1
81	MP1B	Mx	-.001	1
82	MP1B	X	11.018	6
83	MP1B	Z	6.361	6
84	MP1B	Mx	-.001	6
85	MP5A	X	10.168	1
86	MP5A	Z	5.871	1
87	MP5A	Mx	-.005	1
88	MP5A	X	10.168	6
89	MP5A	Z	5.871	6
90	MP5A	Mx	-.005	6
91	MP5B	X	11.018	1
92	MP5B	Z	6.361	1
93	MP5B	Mx	-.001	1
94	MP5B	X	11.018	6
95	MP5B	Z	6.361	6
96	MP5B	Mx	-.001	6
97	MP1C	X	8.698	1
98	MP1C	Z	5.022	1
99	MP1C	Mx	.004	1
100	MP1C	X	8.698	6
101	MP1C	Z	5.022	6
102	MP1C	Mx	.004	6
103	MP5C	X	8.698	1
104	MP5C	Z	5.022	1
105	MP5C	Mx	.004	1
106	MP5C	X	8.698	6
107	MP5C	Z	5.022	6
108	MP5C	Mx	.004	6
109	OVP1	X	7.687	.5
110	OVP1	Z	4.438	.5
111	OVP1	Mx	-.004	.5
112	OVP2	X	9.283	.5
113	OVP2	Z	5.359	.5
114	OVP2	Mx	-.00093	.5

Member Point Loads (BLC 32 : Antenna Wm (150 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	4.916	1
2	MP2A	Z	8.515	1
3	MP2A	Mx	.003	1
4	MP2A	X	4.916	6
5	MP2A	Z	8.515	6
6	MP2A	Mx	.003	6
7	MP2B	X	4.619	1
8	MP2B	Z	8.001	1
9	MP2B	Mx	-.007	1
10	MP2B	X	4.619	6
11	MP2B	Z	8.001	6
12	MP2B	Mx	-.007	6
13	MP2C	X	3.551	1
14	MP2C	Z	6.151	1
15	MP2C	Mx	.004	1
16	MP2C	X	3.551	6
17	MP2C	Z	6.151	6
18	MP2C	Mx	.004	6
19	MP2A	X	4.916	1
20	MP2A	Z	8.515	1
21	MP2A	Mx	-.007	1
22	MP2A	X	4.916	6
23	MP2A	Z	8.515	6
24	MP2A	Mx	-.007	6
25	MP2B	X	4.619	1
26	MP2B	Z	8.001	1
27	MP2B	Mx	.001	1
28	MP2B	X	4.619	6
29	MP2B	Z	8.001	6
30	MP2B	Mx	.001	6
31	MP2C	X	3.551	1
32	MP2C	Z	6.151	1
33	MP2C	Mx	.004	1
34	MP2C	X	3.551	6
35	MP2C	Z	6.151	6
36	MP2C	Mx	.004	6
37	MP4A	X	2.649	2
38	MP4A	Z	4.588	2
39	MP4A	Mx	-.001	2
40	MP4A	X	2.649	4
41	MP4A	Z	4.588	4
42	MP4A	Mx	-.001	4
43	MP4B	X	2.339	2
44	MP4B	Z	4.051	2
45	MP4B	Mx	-.002	2
46	MP4B	X	2.339	4
47	MP4B	Z	4.051	4
48	MP4B	Mx	-.002	4
49	MP4C	X	1.223	2
50	MP4C	Z	2.119	2
51	MP4C	Mx	.001	2
52	MP4C	X	1.223	4
53	MP4C	Z	2.119	4
54	MP4C	Mx	.001	4
55	MP2A	X	2.28	2
56	MP2A	Z	3.949	2
57	MP2A	Mx	.001	2

Member Point Loads (BLC 32 : Antenna Wm (150 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	2.146	2
59	MP2B	Z	3.716	2
60	MP2B	Mx	.001	2
61	MP2C	X	1.662	2
62	MP2C	Z	2.879	2
63	MP2C	Mx	-.002	2
64	MP3A	X	2.243	2
65	MP3A	Z	3.885	2
66	MP3A	Mx	.001	2
67	MP3B	X	2.084	2
68	MP3B	Z	3.609	2
69	MP3B	Mx	.001	2
70	MP3C	X	1.512	2
71	MP3C	Z	2.619	2
72	MP3C	Mx	-.002	2
73	MP1A	X	6.211	1
74	MP1A	Z	10.759	1
75	MP1A	Mx	-.003	1
76	MP1A	X	6.211	6
77	MP1A	Z	10.759	6
78	MP1A	Mx	-.003	6
79	MP1B	X	6.1	1
80	MP1B	Z	10.566	1
81	MP1B	Mx	-.004	1
82	MP1B	X	6.1	6
83	MP1B	Z	10.566	6
84	MP1B	Mx	-.004	6
85	MP5A	X	6.211	1
86	MP5A	Z	10.759	1
87	MP5A	Mx	-.003	1
88	MP5A	X	6.211	6
89	MP5A	Z	10.759	6
90	MP5A	Mx	-.003	6
91	MP5B	X	6.1	1
92	MP5B	Z	10.566	1
93	MP5B	Mx	-.004	1
94	MP5B	X	6.1	6
95	MP5B	Z	10.566	6
96	MP5B	Mx	-.004	6
97	MP1C	X	5.736	1
98	MP1C	Z	9.935	1
99	MP1C	Mx	.006	1
100	MP1C	X	5.736	6
101	MP1C	Z	9.935	6
102	MP1C	Mx	.006	6
103	MP5C	X	5.736	1
104	MP5C	Z	9.935	1
105	MP5C	Mx	.006	1
106	MP5C	X	5.736	6
107	MP5C	Z	9.935	6
108	MP5C	Mx	.006	6
109	OVP1	X	5.078	.5
110	OVP1	Z	8.795	.5
111	OVP1	Mx	-.003	.5
112	OVP2	X	4.869	.5
113	OVP2	Z	8.434	.5
114	OVP2	Mx	-.003	.5

Member Point Loads (BLC 33 : Antenna Wm (180 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	10.743	1
3	MP2A	Mx	.006	1
4	MP2A	X	0	6
5	MP2A	Z	10.743	6
6	MP2A	Mx	.006	6
7	MP2B	X	0	1
8	MP2B	Z	7.528	1
9	MP2B	Mx	-.005	1
10	MP2B	X	0	6
11	MP2B	Z	7.528	6
12	MP2B	Mx	-.005	6
13	MP2C	X	0	1
14	MP2C	Z	8.012	1
15	MP2C	Mx	.001	1
16	MP2C	X	0	6
17	MP2C	Z	8.012	6
18	MP2C	Mx	.001	6
19	MP2A	X	0	1
20	MP2A	Z	10.743	1
21	MP2A	Mx	-.006	1
22	MP2A	X	0	6
23	MP2A	Z	10.743	6
24	MP2A	Mx	-.006	6
25	MP2B	X	0	1
26	MP2B	Z	7.528	1
27	MP2B	Mx	-.002	1
28	MP2B	X	0	6
29	MP2B	Z	7.528	6
30	MP2B	Mx	-.002	6
31	MP2C	X	0	1
32	MP2C	Z	8.012	1
33	MP2C	Mx	.006	1
34	MP2C	X	0	6
35	MP2C	Z	8.012	6
36	MP2C	Mx	.006	6
37	MP4A	X	0	2
38	MP4A	Z	6.249	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	6.249	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	2.891	2
45	MP4B	Mx	-.001	2
46	MP4B	X	0	4
47	MP4B	Z	2.891	4
48	MP4B	Mx	-.001	4
49	MP4C	X	0	2
50	MP4C	Z	3.397	2
51	MP4C	Mx	.001	2
52	MP4C	X	0	4
53	MP4C	Z	3.397	4
54	MP4C	Mx	.001	4
55	MP2A	X	0	2
56	MP2A	Z	4.973	2
57	MP2A	Mx	0	2

Member Point Loads (BLC 33 : Antenna Wm (180 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	0	2
59	MP2B	Z	3.517	2
60	MP2B	Mx	.002	2
61	MP2C	X	0	2
62	MP2C	Z	3.736	2
63	MP2C	Mx	-.002	2
64	MP3A	X	0	2
65	MP3A	Z	4.973	2
66	MP3A	Mx	0	2
67	MP3B	X	0	2
68	MP3B	Z	3.253	2
69	MP3B	Mx	.002	2
70	MP3C	X	0	2
71	MP3C	Z	3.512	2
72	MP3C	Mx	-.002	2
73	MP1A	X	0	1
74	MP1A	Z	12.764	1
75	MP1A	Mx	0	1
76	MP1A	X	0	6
77	MP1A	Z	12.764	6
78	MP1A	Mx	0	6
79	MP1B	X	0	1
80	MP1B	Z	11.56	1
81	MP1B	Mx	-.005	1
82	MP1B	X	0	6
83	MP1B	Z	11.56	6
84	MP1B	Mx	-.005	6
85	MP5A	X	0	1
86	MP5A	Z	12.764	1
87	MP5A	Mx	0	1
88	MP5A	X	0	6
89	MP5A	Z	12.764	6
90	MP5A	Mx	0	6
91	MP5B	X	0	1
92	MP5B	Z	11.56	1
93	MP5B	Mx	-.005	1
94	MP5B	X	0	6
95	MP5B	Z	11.56	6
96	MP5B	Mx	-.005	6
97	MP1C	X	0	1
98	MP1C	Z	10.043	1
99	MP1C	Mx	.004	1
100	MP1C	X	0	6
101	MP1C	Z	10.043	6
102	MP1C	Mx	.004	6
103	MP5C	X	0	1
104	MP5C	Z	10.043	1
105	MP5C	Mx	.004	1
106	MP5C	X	0	6
107	MP5C	Z	10.043	6
108	MP5C	Mx	.004	6
109	OVP1	X	0	.5
110	OVP1	Z	10.796	.5
111	OVP1	Mx	0	.5
112	OVP2	X	0	.5
113	OVP2	Z	8.536	.5
114	OVP2	Mx	-.004	.5

Member Point Loads (BLC 34 : Antenna Wm (210 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-4.916	1
2	MP2A	Z	8.515	1
3	MP2A	Mx	.007	1
4	MP2A	X	-4.916	6
5	MP2A	Z	8.515	6
6	MP2A	Mx	.007	6
7	MP2B	X	-3.606	1
8	MP2B	Z	6.246	1
9	MP2B	Mx	-.003	1
10	MP2B	X	-3.606	6
11	MP2B	Z	6.246	6
12	MP2B	Mx	-.003	6
13	MP2C	X	-4.916	1
14	MP2C	Z	8.515	1
15	MP2C	Mx	-.003	1
16	MP2C	X	-4.916	6
17	MP2C	Z	8.515	6
18	MP2C	Mx	-.003	6
19	MP2A	X	-4.916	1
20	MP2A	Z	8.515	1
21	MP2A	Mx	-.003	1
22	MP2A	X	-4.916	6
23	MP2A	Z	8.515	6
24	MP2A	Mx	-.003	6
25	MP2B	X	-3.606	1
26	MP2B	Z	6.246	1
27	MP2B	Mx	-.004	1
28	MP2B	X	-3.606	6
29	MP2B	Z	6.246	6
30	MP2B	Mx	-.004	6
31	MP2C	X	-4.916	1
32	MP2C	Z	8.515	1
33	MP2C	Mx	.007	1
34	MP2C	X	-4.916	6
35	MP2C	Z	8.515	6
36	MP2C	Mx	.007	6
37	MP4A	X	-2.649	2
38	MP4A	Z	4.588	2
39	MP4A	Mx	.001	2
40	MP4A	X	-2.649	4
41	MP4A	Z	4.588	4
42	MP4A	Mx	.001	4
43	MP4B	X	-1.281	2
44	MP4B	Z	2.218	2
45	MP4B	Mx	-.001	2
46	MP4B	X	-1.281	4
47	MP4B	Z	2.218	4
48	MP4B	Mx	-.001	4
49	MP4C	X	-2.649	2
50	MP4C	Z	4.588	2
51	MP4C	Mx	.001	2
52	MP4C	X	-2.649	4
53	MP4C	Z	4.588	4
54	MP4C	Mx	.001	4
55	MP2A	X	-2.28	2
56	MP2A	Z	3.949	2
57	MP2A	Mx	-.001	2

Member Point Loads (BLC 34 : Antenna Wm (210 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-1.687	2
59	MP2B	Z	2.922	2
60	MP2B	Mx	.002	2
61	MP2C	X	-2.28	2
62	MP2C	Z	3.949	2
63	MP2C	Mx	-.001	2
64	MP3A	X	-2.243	2
65	MP3A	Z	3.885	2
66	MP3A	Mx	-.001	2
67	MP3B	X	-1.542	2
68	MP3B	Z	2.67	2
69	MP3B	Mx	.002	2
70	MP3C	X	-2.243	2
71	MP3C	Z	3.885	2
72	MP3C	Mx	-.001	2
73	MP1A	X	-6.211	1
74	MP1A	Z	10.759	1
75	MP1A	Mx	.003	1
76	MP1A	X	-6.211	6
77	MP1A	Z	10.759	6
78	MP1A	Mx	.003	6
79	MP1B	X	-5.721	1
80	MP1B	Z	9.909	1
81	MP1B	Mx	-.006	1
82	MP1B	X	-5.721	6
83	MP1B	Z	9.909	6
84	MP1B	Mx	-.006	6
85	MP5A	X	-6.211	1
86	MP5A	Z	10.759	1
87	MP5A	Mx	.003	1
88	MP5A	X	-6.211	6
89	MP5A	Z	10.759	6
90	MP5A	Mx	.003	6
91	MP5B	X	-5.721	1
92	MP5B	Z	9.909	1
93	MP5B	Mx	-.006	1
94	MP5B	X	-5.721	6
95	MP5B	Z	9.909	6
96	MP5B	Mx	-.006	6
97	MP1C	X	-3.593	1
98	MP1C	Z	6.223	1
99	MP1C	Mx	.002	1
100	MP1C	X	-3.593	6
101	MP1C	Z	6.223	6
102	MP1C	Mx	.002	6
103	MP5C	X	-3.593	1
104	MP5C	Z	6.223	1
105	MP5C	Mx	.002	1
106	MP5C	X	-3.593	6
107	MP5C	Z	6.223	6
108	MP5C	Mx	.002	6
109	OVP1	X	-5.078	.5
110	OVP1	Z	8.795	.5
111	OVP1	Mx	.003	.5
112	OVP2	X	-4.157	.5
113	OVP2	Z	7.2	.5
114	OVP2	Mx	-.004	.5

Member Point Loads (BLC 35 : Antenna Wm (240 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-6.939	1
2	MP2A	Z	4.006	1
3	MP2A	Mx	.006	1
4	MP2A	X	-6.939	6
5	MP2A	Z	4.006	6
6	MP2A	Mx	.006	6
7	MP2B	X	-7.453	1
8	MP2B	Z	4.303	1
9	MP2B	Mx	-6.9e-5	1
10	MP2B	X	-7.453	6
11	MP2B	Z	4.303	6
12	MP2B	Mx	-6.9e-5	6
13	MP2C	X	-9.303	1
14	MP2C	Z	5.371	1
15	MP2C	Mx	-.006	1
16	MP2C	X	-9.303	6
17	MP2C	Z	5.371	6
18	MP2C	Mx	-.006	6
19	MP2A	X	-6.939	1
20	MP2A	Z	4.006	1
21	MP2A	Mx	.001	1
22	MP2A	X	-6.939	6
23	MP2A	Z	4.006	6
24	MP2A	Mx	.001	6
25	MP2B	X	-7.453	1
26	MP2B	Z	4.303	1
27	MP2B	Mx	-.007	1
28	MP2B	X	-7.453	6
29	MP2B	Z	4.303	6
30	MP2B	Mx	-.007	6
31	MP2C	X	-9.303	1
32	MP2C	Z	5.371	1
33	MP2C	Mx	.006	1
34	MP2C	X	-9.303	6
35	MP2C	Z	5.371	6
36	MP2C	Mx	.006	6
37	MP4A	X	-2.942	2
38	MP4A	Z	1.699	2
39	MP4A	Mx	.001	2
40	MP4A	X	-2.942	4
41	MP4A	Z	1.699	4
42	MP4A	Mx	.001	4
43	MP4B	X	-3.479	2
44	MP4B	Z	2.009	2
45	MP4B	Mx	-.002	2
46	MP4B	X	-3.479	4
47	MP4B	Z	2.009	4
48	MP4B	Mx	-.002	4
49	MP4C	X	-5.412	2
50	MP4C	Z	3.124	2
51	MP4C	Mx	0	2
52	MP4C	X	-5.412	4
53	MP4C	Z	3.124	4
54	MP4C	Mx	0	4
55	MP2A	X	-3.235	2
56	MP2A	Z	1.868	2
57	MP2A	Mx	-.002	2

Member Point Loads (BLC 35 : Antenna Wm (240 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-3.468	2
59	MP2B	Z	2.003	2
60	MP2B	Mx	.002	2
61	MP2C	X	-4.306	2
62	MP2C	Z	2.486	2
63	MP2C	Mx	0	2
64	MP3A	X	-3.041	2
65	MP3A	Z	1.756	2
66	MP3A	Mx	-.002	2
67	MP3B	X	-3.316	2
68	MP3B	Z	1.915	2
69	MP3B	Mx	.001	2
70	MP3C	X	-4.306	2
71	MP3C	Z	2.486	2
72	MP3C	Mx	0	2
73	MP1A	X	-10.168	1
74	MP1A	Z	5.871	1
75	MP1A	Mx	.005	1
76	MP1A	X	-10.168	6
77	MP1A	Z	5.871	6
78	MP1A	Mx	.005	6
79	MP1B	X	-10.361	1
80	MP1B	Z	5.982	1
81	MP1B	Mx	-.005	1
82	MP1B	X	-10.361	6
83	MP1B	Z	5.982	6
84	MP1B	Mx	-.005	6
85	MP5A	X	-10.168	1
86	MP5A	Z	5.871	1
87	MP5A	Mx	.005	1
88	MP5A	X	-10.168	6
89	MP5A	Z	5.871	6
90	MP5A	Mx	.005	6
91	MP5B	X	-10.361	1
92	MP5B	Z	5.982	1
93	MP5B	Mx	-.005	1
94	MP5B	X	-10.361	6
95	MP5B	Z	5.982	6
96	MP5B	Mx	-.005	6
97	MP1C	X	-4.986	1
98	MP1C	Z	2.878	1
99	MP1C	Mx	0	1
100	MP1C	X	-4.986	6
101	MP1C	Z	2.878	6
102	MP1C	Mx	0	6
103	MP5C	X	-4.986	1
104	MP5C	Z	2.878	1
105	MP5C	Mx	0	1
106	MP5C	X	-4.986	6
107	MP5C	Z	2.878	6
108	MP5C	Mx	0	6
109	OVP1	X	-7.687	.5
110	OVP1	Z	4.438	.5
111	OVP1	Mx	.004	.5
112	OVP2	X	-8.049	.5
113	OVP2	Z	4.647	.5
114	OVP2	Mx	-.004	.5

Member Point Loads (BLC 36 : Antenna Wm (270 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-7.102	1
2	MP2A	Z	0	1
3	MP2A	Mx	.004	1
4	MP2A	X	-7.102	6
5	MP2A	Z	0	6
6	MP2A	Mx	.004	6
7	MP2B	X	-10.317	1
8	MP2B	Z	0	1
9	MP2B	Mx	.004	1
10	MP2B	X	-10.317	6
11	MP2B	Z	0	6
12	MP2B	Mx	.004	6
13	MP2C	X	-9.833	1
14	MP2C	Z	0	1
15	MP2C	Mx	-.007	1
16	MP2C	X	-9.833	6
17	MP2C	Z	0	6
18	MP2C	Mx	-.007	6
19	MP2A	X	-7.102	1
20	MP2A	Z	0	1
21	MP2A	Mx	.004	1
22	MP2A	X	-7.102	6
23	MP2A	Z	0	6
24	MP2A	Mx	.004	6
25	MP2B	X	-10.317	1
26	MP2B	Z	0	1
27	MP2B	Mx	-.007	1
28	MP2B	X	-10.317	6
29	MP2B	Z	0	6
30	MP2B	Mx	-.007	6
31	MP2C	X	-9.833	1
32	MP2C	Z	0	1
33	MP2C	Mx	.003	1
34	MP2C	X	-9.833	6
35	MP2C	Z	0	6
36	MP2C	Mx	.003	6
37	MP4A	X	-2.446	2
38	MP4A	Z	0	2
39	MP4A	Mx	.001	2
40	MP4A	X	-2.446	4
41	MP4A	Z	0	4
42	MP4A	Mx	.001	4
43	MP4B	X	-5.804	2
44	MP4B	Z	0	2
45	MP4B	Mx	-.000993	2
46	MP4B	X	-5.804	4
47	MP4B	Z	0	4
48	MP4B	Mx	-.000993	4
49	MP4C	X	-5.298	2
50	MP4C	Z	0	2
51	MP4C	Mx	-.001	2
52	MP4C	X	-5.298	4
53	MP4C	Z	0	4
54	MP4C	Mx	-.001	4
55	MP2A	X	-3.324	2
56	MP2A	Z	0	2
57	MP2A	Mx	-.002	2

Member Point Loads (BLC 36 : Antenna Wm (270 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-4.78	2
59	MP2B	Z	0	2
60	MP2B	Mx	.000817	2
61	MP2C	X	-4.56	2
62	MP2C	Z	0	2
63	MP2C	Mx	.001	2
64	MP3A	X	-3.025	2
65	MP3A	Z	0	2
66	MP3A	Mx	-.002	2
67	MP3B	X	-4.745	2
68	MP3B	Z	0	2
69	MP3B	Mx	.000811	2
70	MP3C	X	-4.486	2
71	MP3C	Z	0	2
72	MP3C	Mx	.001	2
73	MP1A	X	-11.401	1
74	MP1A	Z	0	1
75	MP1A	Mx	.006	1
76	MP1A	X	-11.401	6
77	MP1A	Z	0	6
78	MP1A	Mx	.006	6
79	MP1B	X	-12.604	1
80	MP1B	Z	0	1
81	MP1B	Mx	-.002	1
82	MP1B	X	-12.604	6
83	MP1B	Z	0	6
84	MP1B	Mx	-.002	6
85	MP5A	X	-11.401	1
86	MP5A	Z	0	1
87	MP5A	Mx	.006	1
88	MP5A	X	-11.401	6
89	MP5A	Z	0	6
90	MP5A	Mx	.006	6
91	MP5B	X	-12.604	1
92	MP5B	Z	0	1
93	MP5B	Mx	-.002	1
94	MP5B	X	-12.604	6
95	MP5B	Z	0	6
96	MP5B	Mx	-.002	6
97	MP1C	X	-7.186	1
98	MP1C	Z	0	1
99	MP1C	Mx	-.002	1
100	MP1C	X	-7.186	6
101	MP1C	Z	0	6
102	MP1C	Mx	-.002	6
103	MP5C	X	-7.186	1
104	MP5C	Z	0	1
105	MP5C	Mx	-.002	1
106	MP5C	X	-7.186	6
107	MP5C	Z	0	6
108	MP5C	Mx	-.002	6
109	OVP1	X	-8.237	.5
110	OVP1	Z	0	.5
111	OVP1	Mx	.004	.5
112	OVP2	X	-10.497	.5
113	OVP2	Z	0	.5
114	OVP2	Mx	-.002	.5

Member Point Loads (BLC 37 : Antenna Wm (300 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-6.939	1
2	MP2A	Z	-4.006	1
3	MP2A	Mx	.001	1
4	MP2A	X	-6.939	6
5	MP2A	Z	-4.006	6
6	MP2A	Mx	.001	6
7	MP2B	X	-9.208	1
8	MP2B	Z	-5.316	1
9	MP2B	Mx	.007	1
10	MP2B	X	-9.208	6
11	MP2B	Z	-5.316	6
12	MP2B	Mx	.007	6
13	MP2C	X	-6.939	1
14	MP2C	Z	-4.006	1
15	MP2C	Mx	-.006	1
16	MP2C	X	-6.939	6
17	MP2C	Z	-4.006	6
18	MP2C	Mx	-.006	6
19	MP2A	X	-6.939	1
20	MP2A	Z	-4.006	1
21	MP2A	Mx	.006	1
22	MP2A	X	-6.939	6
23	MP2A	Z	-4.006	6
24	MP2A	Mx	.006	6
25	MP2B	X	-9.208	1
26	MP2B	Z	-5.316	1
27	MP2B	Mx	-.005	1
28	MP2B	X	-9.208	6
29	MP2B	Z	-5.316	6
30	MP2B	Mx	-.005	6
31	MP2C	X	-6.939	1
32	MP2C	Z	-4.006	1
33	MP2C	Mx	-.001	1
34	MP2C	X	-6.939	6
35	MP2C	Z	-4.006	6
36	MP2C	Mx	-.001	6
37	MP4A	X	-2.942	2
38	MP4A	Z	-1.699	2
39	MP4A	Mx	.001	2
40	MP4A	X	-2.942	4
41	MP4A	Z	-1.699	4
42	MP4A	Mx	.001	4
43	MP4B	X	-5.312	2
44	MP4B	Z	-3.067	2
45	MP4B	Mx	.000533	2
46	MP4B	X	-5.312	4
47	MP4B	Z	-3.067	4
48	MP4B	Mx	.000533	4
49	MP4C	X	-2.942	2
50	MP4C	Z	-1.699	2
51	MP4C	Mx	-.001	2
52	MP4C	X	-2.942	4
53	MP4C	Z	-1.699	4
54	MP4C	Mx	-.001	4
55	MP2A	X	-3.235	2
56	MP2A	Z	-1.868	2
57	MP2A	Mx	-.002	2

Member Point Loads (BLC 37 : Antenna Wm (300 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-4.263	2
59	MP2B	Z	-2.461	2
60	MP2B	Mx	-.000427	2
61	MP2C	X	-3.235	2
62	MP2C	Z	-1.868	2
63	MP2C	Mx	.002	2
64	MP3A	X	-3.041	2
65	MP3A	Z	-1.756	2
66	MP3A	Mx	-.002	2
67	MP3B	X	-4.255	2
68	MP3B	Z	-2.457	2
69	MP3B	Mx	-.000427	2
70	MP3C	X	-3.041	2
71	MP3C	Z	-1.756	2
72	MP3C	Mx	.002	2
73	MP1A	X	-10.168	1
74	MP1A	Z	-5.871	1
75	MP1A	Mx	.005	1
76	MP1A	X	-10.168	6
77	MP1A	Z	-5.871	6
78	MP1A	Mx	.005	6
79	MP1B	X	-11.018	1
80	MP1B	Z	-6.361	1
81	MP1B	Mx	.001	1
82	MP1B	X	-11.018	6
83	MP1B	Z	-6.361	6
84	MP1B	Mx	.001	6
85	MP5A	X	-10.168	1
86	MP5A	Z	-5.871	1
87	MP5A	Mx	.005	1
88	MP5A	X	-10.168	6
89	MP5A	Z	-5.871	6
90	MP5A	Mx	.005	6
91	MP5B	X	-11.018	1
92	MP5B	Z	-6.361	1
93	MP5B	Mx	.001	1
94	MP5B	X	-11.018	6
95	MP5B	Z	-6.361	6
96	MP5B	Mx	.001	6
97	MP1C	X	-8.698	1
98	MP1C	Z	-5.022	1
99	MP1C	Mx	-.004	1
100	MP1C	X	-8.698	6
101	MP1C	Z	-5.022	6
102	MP1C	Mx	-.004	6
103	MP5C	X	-8.698	1
104	MP5C	Z	-5.022	1
105	MP5C	Mx	-.004	1
106	MP5C	X	-8.698	6
107	MP5C	Z	-5.022	6
108	MP5C	Mx	-.004	6
109	OVP1	X	-7.687	.5
110	OVP1	Z	-4.438	.5
111	OVP1	Mx	.004	.5
112	OVP2	X	-9.283	.5
113	OVP2	Z	-5.359	.5
114	OVP2	Mx	.00093	.5

Member Point Loads (BLC 38 : Antenna Wm (330 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-4.916	1
2	MP2A	Z	-8.515	1
3	MP2A	Mx	-.003	1
4	MP2A	X	-4.916	6
5	MP2A	Z	-8.515	6
6	MP2A	Mx	-.003	6
7	MP2B	X	-4.619	1
8	MP2B	Z	-8.001	1
9	MP2B	Mx	.007	1
10	MP2B	X	-4.619	6
11	MP2B	Z	-8.001	6
12	MP2B	Mx	.007	6
13	MP2C	X	-3.551	1
14	MP2C	Z	-6.151	1
15	MP2C	Mx	-.004	1
16	MP2C	X	-3.551	6
17	MP2C	Z	-6.151	6
18	MP2C	Mx	-.004	6
19	MP2A	X	-4.916	1
20	MP2A	Z	-8.515	1
21	MP2A	Mx	.007	1
22	MP2A	X	-4.916	6
23	MP2A	Z	-8.515	6
24	MP2A	Mx	.007	6
25	MP2B	X	-4.619	1
26	MP2B	Z	-8.001	1
27	MP2B	Mx	-.001	1
28	MP2B	X	-4.619	6
29	MP2B	Z	-8.001	6
30	MP2B	Mx	-.001	6
31	MP2C	X	-3.551	1
32	MP2C	Z	-6.151	1
33	MP2C	Mx	-.004	1
34	MP2C	X	-3.551	6
35	MP2C	Z	-6.151	6
36	MP2C	Mx	-.004	6
37	MP4A	X	-2.649	2
38	MP4A	Z	-4.588	2
39	MP4A	Mx	.001	2
40	MP4A	X	-2.649	4
41	MP4A	Z	-4.588	4
42	MP4A	Mx	.001	4
43	MP4B	X	-2.339	2
44	MP4B	Z	-4.051	2
45	MP4B	Mx	.002	2
46	MP4B	X	-2.339	4
47	MP4B	Z	-4.051	4
48	MP4B	Mx	.002	4
49	MP4C	X	-1.223	2
50	MP4C	Z	-2.119	2
51	MP4C	Mx	-.001	2
52	MP4C	X	-1.223	4
53	MP4C	Z	-2.119	4
54	MP4C	Mx	-.001	4
55	MP2A	X	-2.28	2
56	MP2A	Z	-3.949	2
57	MP2A	Mx	-.001	2

Member Point Loads (BLC 38 : Antenna Wm (330 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-2.146	2
59	MP2B	Z	-3.716	2
60	MP2B	Mx	-.001	2
61	MP2C	X	-1.662	2
62	MP2C	Z	-2.879	2
63	MP2C	Mx	.002	2
64	MP3A	X	-2.243	2
65	MP3A	Z	-3.885	2
66	MP3A	Mx	-.001	2
67	MP3B	X	-2.084	2
68	MP3B	Z	-3.609	2
69	MP3B	Mx	-.001	2
70	MP3C	X	-1.512	2
71	MP3C	Z	-2.619	2
72	MP3C	Mx	.002	2
73	MP1A	X	-6.211	1
74	MP1A	Z	-10.759	1
75	MP1A	Mx	.003	1
76	MP1A	X	-6.211	6
77	MP1A	Z	-10.759	6
78	MP1A	Mx	.003	6
79	MP1B	X	-6.1	1
80	MP1B	Z	-10.566	1
81	MP1B	Mx	.004	1
82	MP1B	X	-6.1	6
83	MP1B	Z	-10.566	6
84	MP1B	Mx	.004	6
85	MP5A	X	-6.211	1
86	MP5A	Z	-10.759	1
87	MP5A	Mx	.003	1
88	MP5A	X	-6.211	6
89	MP5A	Z	-10.759	6
90	MP5A	Mx	.003	6
91	MP5B	X	-6.1	1
92	MP5B	Z	-10.566	1
93	MP5B	Mx	.004	1
94	MP5B	X	-6.1	6
95	MP5B	Z	-10.566	6
96	MP5B	Mx	.004	6
97	MP1C	X	-5.736	1
98	MP1C	Z	-9.935	1
99	MP1C	Mx	-.006	1
100	MP1C	X	-5.736	6
101	MP1C	Z	-9.935	6
102	MP1C	Mx	-.006	6
103	MP5C	X	-5.736	1
104	MP5C	Z	-9.935	1
105	MP5C	Mx	-.006	1
106	MP5C	X	-5.736	6
107	MP5C	Z	-9.935	6
108	MP5C	Mx	-.006	6
109	OVP1	X	-5.078	.5
110	OVP1	Z	-8.795	.5
111	OVP1	Mx	.003	.5
112	OVP2	X	-4.869	.5
113	OVP2	Z	-8.434	.5
114	OVP2	Mx	.003	.5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M47	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M51	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M42	Y	-250	%50

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M42	Y	-250	%100

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-15.737	-15.737	0	%100
2	MP1A	Y	-8.756	-8.756	0	%100
3	M16	Y	-15.737	-15.737	0	%100
4	M29	Y	-15.737	-15.737	0	%100
5	M42	Y	-15.737	-15.737	0	%100
6	M43	Y	-15.737	-15.737	0	%100
7	M44	Y	-15.737	-15.737	0	%100
8	OVP1	Y	-8.756	-8.756	0	%100
9	OVP2	Y	-8.756	-8.756	0	%100
10	MP2A	Y	-8.756	-8.756	0	%100
11	MP3A	Y	-8.756	-8.756	0	%100
12	MP4A	Y	-8.756	-8.756	0	%100
13	MP5A	Y	-8.756	-8.756	0	%100
14	MP1C	Y	-8.756	-8.756	0	%100
15	MP2C	Y	-8.756	-8.756	0	%100
16	MP3C	Y	-8.756	-8.756	0	%100
17	MP4C	Y	-8.756	-8.756	0	%100
18	MP5C	Y	-8.756	-8.756	0	%100
19	MP1B	Y	-8.756	-8.756	0	%100
20	MP2B	Y	-8.756	-8.756	0	%100
21	MP3B	Y	-8.756	-8.756	0	%100
22	MP4B	Y	-8.756	-8.756	0	%100
23	MP5B	Y	-8.756	-8.756	0	%100
24	M76	Y	-5.937	-5.937	0	%100
25	M78	Y	-22.463	-22.463	0	%100
26	M79	Y	-22.463	-22.463	0	%100
27	M80	Y	-22.463	-22.463	0	%100
28	M101	Y	-12.728	-12.728	0	%100
29	M102	Y	-12.728	-12.728	0	%100
30	M103	Y	-12.728	-12.728	0	%100
31	M104	Y	-16.467	-16.467	0	%100
32	M105	Y	-16.467	-16.467	0	%100
33	M106	Y	-16.467	-16.467	0	%100

Member Distributed Loads (BLC 41 : Structure Wo (0 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100

Member Distributed Loads (BLC 41 : Structure Wo (0 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
2	M1	Z	0	0	0	%100
3	MP1A	X	0	0	0	%100
4	MP1A	Z	-9.28	-9.28	0	%100
5	M16	X	0	0	0	%100
6	M16	Z	-11.801	-11.801	0	%100
7	M29	X	0	0	0	%100
8	M29	Z	-11.801	-11.801	0	%100
9	M42	X	0	0	0	%100
10	M42	Z	-16.281	-16.281	0	%100
11	M43	X	0	0	0	%100
12	M43	Z	-4.07	-4.07	0	%100
13	M44	X	0	0	0	%100
14	M44	Z	-4.07	-4.07	0	%100
15	OVP1	X	0	0	0	%100
16	OVP1	Z	-6.684	-6.684	0	%100
17	OVP2	X	0	0	0	%100
18	OVP2	Z	-6.684	-6.684	0	%100
19	MP2A	X	0	0	0	%100
20	MP2A	Z	-9.28	-9.28	0	%100
21	MP3A	X	0	0	0	%100
22	MP3A	Z	-9.28	-9.28	0	%100
23	MP4A	X	0	0	0	%100
24	MP4A	Z	-9.28	-9.28	0	%100
25	MP5A	X	0	0	0	%100
26	MP5A	Z	-9.28	-9.28	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	-9.28	-9.28	0	%100
29	MP2C	X	0	0	0	%100
30	MP2C	Z	-9.28	-9.28	0	%100
31	MP3C	X	0	0	0	%100
32	MP3C	Z	-9.28	-9.28	0	%100
33	MP4C	X	0	0	0	%100
34	MP4C	Z	-9.28	-9.28	0	%100
35	MP5C	X	0	0	0	%100
36	MP5C	Z	-9.28	-9.28	0	%100
37	MP1B	X	0	0	0	%100
38	MP1B	Z	-9.28	-9.28	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	-9.28	-9.28	0	%100
41	MP3B	X	0	0	0	%100
42	MP3B	Z	-9.28	-9.28	0	%100
43	MP4B	X	0	0	0	%100
44	MP4B	Z	-9.28	-9.28	0	%100
45	MP5B	X	0	0	0	%100
46	MP5B	Z	-9.28	-9.28	0	%100
47	M76	X	0	0	0	%100
48	M76	Z	-3.072	-3.072	0	%100
49	M78	X	0	0	0	%100
50	M78	Z	-47.592	-47.592	0	%100
51	M79	X	0	0	0	%100
52	M79	Z	-11.898	-11.898	0	%100
53	M80	X	0	0	0	%100
54	M80	Z	-11.898	-11.898	0	%100
55	M101	X	0	0	0	%100
56	M101	Z	-3.358	-3.358	0	%100
57	M102	X	0	0	0	%100
58	M102	Z	-13.43	-13.43	0	%100

Member Distributed Loads (BLC 41 : Structure Wo (0 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
59	M103	X	0	0	0	%100
60	M103	Z	-3.358	-3.358	0	%100
61	M104	X	0	0	0	%100
62	M104	Z	-7.491	-7.491	0	%100
63	M105	X	0	0	0	%100
64	M105	Z	-16.353	-16.353	0	%100
65	M106	X	0	0	0	%100
66	M106	Z	-16.353	-16.353	0	%100

Member Distributed Loads (BLC 42 : Structure Wo (30 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.967	1.967	0	%100
2	M1	Z	-3.407	-3.407	0	%100
3	MP1A	X	4.64	4.64	0	%100
4	MP1A	Z	-8.037	-8.037	0	%100
5	M16	X	1.967	1.967	0	%100
6	M16	Z	-3.407	-3.407	0	%100
7	M29	X	7.867	7.867	0	%100
8	M29	Z	-13.627	-13.627	0	%100
9	M42	X	6.105	6.105	0	%100
10	M42	Z	-10.575	-10.575	0	%100
11	M43	X	6.105	6.105	0	%100
12	M43	Z	-10.575	-10.575	0	%100
13	M44	X	0	0	0	%100
14	M44	Z	0	0	0	%100
15	OVP1	X	3.342	3.342	0	%100
16	OVP1	Z	-5.789	-5.789	0	%100
17	OVP2	X	3.342	3.342	0	%100
18	OVP2	Z	-5.789	-5.789	0	%100
19	MP2A	X	4.64	4.64	0	%100
20	MP2A	Z	-8.037	-8.037	0	%100
21	MP3A	X	4.64	4.64	0	%100
22	MP3A	Z	-8.037	-8.037	0	%100
23	MP4A	X	4.64	4.64	0	%100
24	MP4A	Z	-8.037	-8.037	0	%100
25	MP5A	X	4.64	4.64	0	%100
26	MP5A	Z	-8.037	-8.037	0	%100
27	MP1C	X	4.64	4.64	0	%100
28	MP1C	Z	-8.037	-8.037	0	%100
29	MP2C	X	4.64	4.64	0	%100
30	MP2C	Z	-8.037	-8.037	0	%100
31	MP3C	X	4.64	4.64	0	%100
32	MP3C	Z	-8.037	-8.037	0	%100
33	MP4C	X	4.64	4.64	0	%100
34	MP4C	Z	-8.037	-8.037	0	%100
35	MP5C	X	4.64	4.64	0	%100
36	MP5C	Z	-8.037	-8.037	0	%100
37	MP1B	X	4.64	4.64	0	%100
38	MP1B	Z	-8.037	-8.037	0	%100
39	MP2B	X	4.64	4.64	0	%100
40	MP2B	Z	-8.037	-8.037	0	%100
41	MP3B	X	4.64	4.64	0	%100
42	MP3B	Z	-8.037	-8.037	0	%100
43	MP4B	X	4.64	4.64	0	%100
44	MP4B	Z	-8.037	-8.037	0	%100
45	MP5B	X	4.64	4.64	0	%100

Member Distributed Loads (BLC 42 : Structure Wo (30 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	MP5B	Z	-8.037	-8.037	0	%100
47	M76	X	1.536	1.536	0	%100
48	M76	Z	-2.66	-2.66	0	%100
49	M78	X	17.847	17.847	0	%100
50	M78	Z	-30.912	-30.912	0	%100
51	M79	X	17.847	17.847	0	%100
52	M79	Z	-30.912	-30.912	0	%100
53	M80	X	0	0	0	%100
54	M80	Z	0	0	0	%100
55	M101	X	0	0	0	%100
56	M101	Z	0	0	0	%100
57	M102	X	5.036	5.036	0	%100
58	M102	Z	-8.723	-8.723	0	%100
59	M103	X	5.036	5.036	0	%100
60	M103	Z	-8.723	-8.723	0	%100
61	M104	X	5.222	5.222	0	%100
62	M104	Z	-9.045	-9.045	0	%100
63	M105	X	5.222	5.222	0	%100
64	M105	Z	-9.045	-9.045	0	%100
65	M106	X	9.654	9.654	0	%100
66	M106	Z	-16.721	-16.721	0	%100

Member Distributed Loads (BLC 43 : Structure Wo (60 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	10.22	10.22	0	%100
2	M1	Z	-5.901	-5.901	0	%100
3	MP1A	X	8.037	8.037	0	%100
4	MP1A	Z	-4.64	-4.64	0	%100
5	M16	X	0	0	0	%100
6	M16	Z	0	0	0	%100
7	M29	X	10.22	10.22	0	%100
8	M29	Z	-5.901	-5.901	0	%100
9	M42	X	3.525	3.525	0	%100
10	M42	Z	-2.035	-2.035	0	%100
11	M43	X	14.1	14.1	0	%100
12	M43	Z	-8.14	-8.14	0	%100
13	M44	X	3.525	3.525	0	%100
14	M44	Z	-2.035	-2.035	0	%100
15	OVP1	X	5.789	5.789	0	%100
16	OVP1	Z	-3.342	-3.342	0	%100
17	OVP2	X	5.789	5.789	0	%100
18	OVP2	Z	-3.342	-3.342	0	%100
19	MP2A	X	8.037	8.037	0	%100
20	MP2A	Z	-4.64	-4.64	0	%100
21	MP3A	X	8.037	8.037	0	%100
22	MP3A	Z	-4.64	-4.64	0	%100
23	MP4A	X	8.037	8.037	0	%100
24	MP4A	Z	-4.64	-4.64	0	%100
25	MP5A	X	8.037	8.037	0	%100
26	MP5A	Z	-4.64	-4.64	0	%100
27	MP1C	X	8.037	8.037	0	%100
28	MP1C	Z	-4.64	-4.64	0	%100
29	MP2C	X	8.037	8.037	0	%100
30	MP2C	Z	-4.64	-4.64	0	%100
31	MP3C	X	8.037	8.037	0	%100
32	MP3C	Z	-4.64	-4.64	0	%100

Member Distributed Loads (BLC 43 : Structure Wo (60 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
33	MP4C	X	8.037	8.037	0	%100
34	MP4C	Z	-4.64	-4.64	0	%100
35	MP5C	X	8.037	8.037	0	%100
36	MP5C	Z	-4.64	-4.64	0	%100
37	MP1B	X	8.037	8.037	0	%100
38	MP1B	Z	-4.64	-4.64	0	%100
39	MP2B	X	8.037	8.037	0	%100
40	MP2B	Z	-4.64	-4.64	0	%100
41	MP3B	X	8.037	8.037	0	%100
42	MP3B	Z	-4.64	-4.64	0	%100
43	MP4B	X	8.037	8.037	0	%100
44	MP4B	Z	-4.64	-4.64	0	%100
45	MP5B	X	8.037	8.037	0	%100
46	MP5B	Z	-4.64	-4.64	0	%100
47	M76	X	2.66	2.66	0	%100
48	M76	Z	-1.536	-1.536	0	%100
49	M78	X	10.304	10.304	0	%100
50	M78	Z	-5.949	-5.949	0	%100
51	M79	X	41.216	41.216	0	%100
52	M79	Z	-23.796	-23.796	0	%100
53	M80	X	10.304	10.304	0	%100
54	M80	Z	-5.949	-5.949	0	%100
55	M101	X	2.908	2.908	0	%100
56	M101	Z	-1.679	-1.679	0	%100
57	M102	X	2.908	2.908	0	%100
58	M102	Z	-1.679	-1.679	0	%100
59	M103	X	11.631	11.631	0	%100
60	M103	Z	-6.715	-6.715	0	%100
61	M104	X	14.162	14.162	0	%100
62	M104	Z	-8.177	-8.177	0	%100
63	M105	X	6.487	6.487	0	%100
64	M105	Z	-3.745	-3.745	0	%100
65	M106	X	14.162	14.162	0	%100
66	M106	Z	-8.177	-8.177	0	%100

Member Distributed Loads (BLC 44 : Structure Wo (90 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	15.735	15.735	0	%100
2	M1	Z	0	0	0	%100
3	MP1A	X	9.28	9.28	0	%100
4	MP1A	Z	0	0	0	%100
5	M16	X	3.934	3.934	0	%100
6	M16	Z	0	0	0	%100
7	M29	X	3.934	3.934	0	%100
8	M29	Z	0	0	0	%100
9	M42	X	0	0	0	%100
10	M42	Z	0	0	0	%100
11	M43	X	12.211	12.211	0	%100
12	M43	Z	0	0	0	%100
13	M44	X	12.211	12.211	0	%100
14	M44	Z	0	0	0	%100
15	OVP1	X	6.684	6.684	0	%100
16	OVP1	Z	0	0	0	%100
17	OVP2	X	6.684	6.684	0	%100
18	OVP2	Z	0	0	0	%100
19	MP2A	X	9.28	9.28	0	%100

Member Distributed Loads (BLC 44 : Structure Wo (90 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
20	MP2A	Z	0	0	0	%100
21	MP3A	X	9.28	9.28	0	%100
22	MP3A	Z	0	0	0	%100
23	MP4A	X	9.28	9.28	0	%100
24	MP4A	Z	0	0	0	%100
25	MP5A	X	9.28	9.28	0	%100
26	MP5A	Z	0	0	0	%100
27	MP1C	X	9.28	9.28	0	%100
28	MP1C	Z	0	0	0	%100
29	MP2C	X	9.28	9.28	0	%100
30	MP2C	Z	0	0	0	%100
31	MP3C	X	9.28	9.28	0	%100
32	MP3C	Z	0	0	0	%100
33	MP4C	X	9.28	9.28	0	%100
34	MP4C	Z	0	0	0	%100
35	MP5C	X	9.28	9.28	0	%100
36	MP5C	Z	0	0	0	%100
37	MP1B	X	9.28	9.28	0	%100
38	MP1B	Z	0	0	0	%100
39	MP2B	X	9.28	9.28	0	%100
40	MP2B	Z	0	0	0	%100
41	MP3B	X	9.28	9.28	0	%100
42	MP3B	Z	0	0	0	%100
43	MP4B	X	9.28	9.28	0	%100
44	MP4B	Z	0	0	0	%100
45	MP5B	X	9.28	9.28	0	%100
46	MP5B	Z	0	0	0	%100
47	M76	X	3.072	3.072	0	%100
48	M76	Z	0	0	0	%100
49	M78	X	0	0	0	%100
50	M78	Z	0	0	0	%100
51	M79	X	35.694	35.694	0	%100
52	M79	Z	0	0	0	%100
53	M80	X	35.694	35.694	0	%100
54	M80	Z	0	0	0	%100
55	M101	X	10.073	10.073	0	%100
56	M101	Z	0	0	0	%100
57	M102	X	0	0	0	%100
58	M102	Z	0	0	0	%100
59	M103	X	10.073	10.073	0	%100
60	M103	Z	0	0	0	%100
61	M104	X	19.308	19.308	0	%100
62	M104	Z	0	0	0	%100
63	M105	X	10.445	10.445	0	%100
64	M105	Z	0	0	0	%100
65	M106	X	10.445	10.445	0	%100
66	M106	Z	0	0	0	%100

Member Distributed Loads (BLC 45 : Structure Wo (120 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	10.22	10.22	0	%100
2	M1	Z	5.901	5.901	0	%100
3	MP1A	X	8.037	8.037	0	%100
4	MP1A	Z	4.64	4.64	0	%100
5	M16	X	10.22	10.22	0	%100
6	M16	Z	5.901	5.901	0	%100

Member Distributed Loads (BLC 45 : Structure Wo (120 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
7	M29	X	0	0	0	%100
8	M29	Z	0	0	0	%100
9	M42	X	3.525	3.525	0	%100
10	M42	Z	2.035	2.035	0	%100
11	M43	X	3.525	3.525	0	%100
12	M43	Z	2.035	2.035	0	%100
13	M44	X	14.1	14.1	0	%100
14	M44	Z	8.14	8.14	0	%100
15	OVP1	X	5.789	5.789	0	%100
16	OVP1	Z	3.342	3.342	0	%100
17	OVP2	X	5.789	5.789	0	%100
18	OVP2	Z	3.342	3.342	0	%100
19	MP2A	X	8.037	8.037	0	%100
20	MP2A	Z	4.64	4.64	0	%100
21	MP3A	X	8.037	8.037	0	%100
22	MP3A	Z	4.64	4.64	0	%100
23	MP4A	X	8.037	8.037	0	%100
24	MP4A	Z	4.64	4.64	0	%100
25	MP5A	X	8.037	8.037	0	%100
26	MP5A	Z	4.64	4.64	0	%100
27	MP1C	X	8.037	8.037	0	%100
28	MP1C	Z	4.64	4.64	0	%100
29	MP2C	X	8.037	8.037	0	%100
30	MP2C	Z	4.64	4.64	0	%100
31	MP3C	X	8.037	8.037	0	%100
32	MP3C	Z	4.64	4.64	0	%100
33	MP4C	X	8.037	8.037	0	%100
34	MP4C	Z	4.64	4.64	0	%100
35	MP5C	X	8.037	8.037	0	%100
36	MP5C	Z	4.64	4.64	0	%100
37	MP1B	X	8.037	8.037	0	%100
38	MP1B	Z	4.64	4.64	0	%100
39	MP2B	X	8.037	8.037	0	%100
40	MP2B	Z	4.64	4.64	0	%100
41	MP3B	X	8.037	8.037	0	%100
42	MP3B	Z	4.64	4.64	0	%100
43	MP4B	X	8.037	8.037	0	%100
44	MP4B	Z	4.64	4.64	0	%100
45	MP5B	X	8.037	8.037	0	%100
46	MP5B	Z	4.64	4.64	0	%100
47	M76	X	2.66	2.66	0	%100
48	M76	Z	1.536	1.536	0	%100
49	M78	X	10.304	10.304	0	%100
50	M78	Z	5.949	5.949	0	%100
51	M79	X	10.304	10.304	0	%100
52	M79	Z	5.949	5.949	0	%100
53	M80	X	41.216	41.216	0	%100
54	M80	Z	23.796	23.796	0	%100
55	M101	X	11.631	11.631	0	%100
56	M101	Z	6.715	6.715	0	%100
57	M102	X	2.908	2.908	0	%100
58	M102	Z	1.679	1.679	0	%100
59	M103	X	2.908	2.908	0	%100
60	M103	Z	1.679	1.679	0	%100
61	M104	X	14.162	14.162	0	%100
62	M104	Z	8.177	8.177	0	%100
63	M105	X	14.162	14.162	0	%100

Member Distributed Loads (BLC 45 : Structure Wo (120 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
64	M105	Z	8.177	8.177	0	%100
65	M106	X	6.487	6.487	0	%100
66	M106	Z	3.745	3.745	0	%100

Member Distributed Loads (BLC 46 : Structure Wo (150 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.967	1.967	0	%100
2	M1	Z	3.407	3.407	0	%100
3	MP1A	X	4.64	4.64	0	%100
4	MP1A	Z	8.037	8.037	0	%100
5	M16	X	7.867	7.867	0	%100
6	M16	Z	13.627	13.627	0	%100
7	M29	X	1.967	1.967	0	%100
8	M29	Z	3.407	3.407	0	%100
9	M42	X	6.105	6.105	0	%100
10	M42	Z	10.575	10.575	0	%100
11	M43	X	0	0	0	%100
12	M43	Z	0	0	0	%100
13	M44	X	6.105	6.105	0	%100
14	M44	Z	10.575	10.575	0	%100
15	OVP1	X	3.342	3.342	0	%100
16	OVP1	Z	5.789	5.789	0	%100
17	OVP2	X	3.342	3.342	0	%100
18	OVP2	Z	5.789	5.789	0	%100
19	MP2A	X	4.64	4.64	0	%100
20	MP2A	Z	8.037	8.037	0	%100
21	MP3A	X	4.64	4.64	0	%100
22	MP3A	Z	8.037	8.037	0	%100
23	MP4A	X	4.64	4.64	0	%100
24	MP4A	Z	8.037	8.037	0	%100
25	MP5A	X	4.64	4.64	0	%100
26	MP5A	Z	8.037	8.037	0	%100
27	MP1C	X	4.64	4.64	0	%100
28	MP1C	Z	8.037	8.037	0	%100
29	MP2C	X	4.64	4.64	0	%100
30	MP2C	Z	8.037	8.037	0	%100
31	MP3C	X	4.64	4.64	0	%100
32	MP3C	Z	8.037	8.037	0	%100
33	MP4C	X	4.64	4.64	0	%100
34	MP4C	Z	8.037	8.037	0	%100
35	MP5C	X	4.64	4.64	0	%100
36	MP5C	Z	8.037	8.037	0	%100
37	MP1B	X	4.64	4.64	0	%100
38	MP1B	Z	8.037	8.037	0	%100
39	MP2B	X	4.64	4.64	0	%100
40	MP2B	Z	8.037	8.037	0	%100
41	MP3B	X	4.64	4.64	0	%100
42	MP3B	Z	8.037	8.037	0	%100
43	MP4B	X	4.64	4.64	0	%100
44	MP4B	Z	8.037	8.037	0	%100
45	MP5B	X	4.64	4.64	0	%100
46	MP5B	Z	8.037	8.037	0	%100
47	M76	X	1.536	1.536	0	%100
48	M76	Z	2.66	2.66	0	%100
49	M78	X	17.847	17.847	0	%100
50	M78	Z	30.912	30.912	0	%100

Member Distributed Loads (BLC 46 : Structure Wo (150 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
51	M79	X	0	0	0	%100
52	M79	Z	0	0	0	%100
53	M80	X	17.847	17.847	0	%100
54	M80	Z	30.912	30.912	0	%100
55	M101	X	5.036	5.036	0	%100
56	M101	Z	8.723	8.723	0	%100
57	M102	X	5.036	5.036	0	%100
58	M102	Z	8.723	8.723	0	%100
59	M103	X	0	0	0	%100
60	M103	Z	0	0	0	%100
61	M104	X	5.222	5.222	0	%100
62	M104	Z	9.045	9.045	0	%100
63	M105	X	9.654	9.654	0	%100
64	M105	Z	16.721	16.721	0	%100
65	M106	X	5.222	5.222	0	%100
66	M106	Z	9.045	9.045	0	%100

Member Distributed Loads (BLC 47 : Structure Wo (180 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	MP1A	X	0	0	0	%100
4	MP1A	Z	9.28	9.28	0	%100
5	M16	X	0	0	0	%100
6	M16	Z	11.801	11.801	0	%100
7	M29	X	0	0	0	%100
8	M29	Z	11.801	11.801	0	%100
9	M42	X	0	0	0	%100
10	M42	Z	16.281	16.281	0	%100
11	M43	X	0	0	0	%100
12	M43	Z	4.07	4.07	0	%100
13	M44	X	0	0	0	%100
14	M44	Z	4.07	4.07	0	%100
15	OVP1	X	0	0	0	%100
16	OVP1	Z	6.684	6.684	0	%100
17	OVP2	X	0	0	0	%100
18	OVP2	Z	6.684	6.684	0	%100
19	MP2A	X	0	0	0	%100
20	MP2A	Z	9.28	9.28	0	%100
21	MP3A	X	0	0	0	%100
22	MP3A	Z	9.28	9.28	0	%100
23	MP4A	X	0	0	0	%100
24	MP4A	Z	9.28	9.28	0	%100
25	MP5A	X	0	0	0	%100
26	MP5A	Z	9.28	9.28	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	9.28	9.28	0	%100
29	MP2C	X	0	0	0	%100
30	MP2C	Z	9.28	9.28	0	%100
31	MP3C	X	0	0	0	%100
32	MP3C	Z	9.28	9.28	0	%100
33	MP4C	X	0	0	0	%100
34	MP4C	Z	9.28	9.28	0	%100
35	MP5C	X	0	0	0	%100
36	MP5C	Z	9.28	9.28	0	%100
37	MP1B	X	0	0	0	%100

Member Distributed Loads (BLC 47 : Structure Wo (180 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
38	MP1B	Z	9.28	9.28	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	9.28	9.28	0	%100
41	MP3B	X	0	0	0	%100
42	MP3B	Z	9.28	9.28	0	%100
43	MP4B	X	0	0	0	%100
44	MP4B	Z	9.28	9.28	0	%100
45	MP5B	X	0	0	0	%100
46	MP5B	Z	9.28	9.28	0	%100
47	M76	X	0	0	0	%100
48	M76	Z	3.072	3.072	0	%100
49	M78	X	0	0	0	%100
50	M78	Z	47.592	47.592	0	%100
51	M79	X	0	0	0	%100
52	M79	Z	11.898	11.898	0	%100
53	M80	X	0	0	0	%100
54	M80	Z	11.898	11.898	0	%100
55	M101	X	0	0	0	%100
56	M101	Z	3.358	3.358	0	%100
57	M102	X	0	0	0	%100
58	M102	Z	13.43	13.43	0	%100
59	M103	X	0	0	0	%100
60	M103	Z	3.358	3.358	0	%100
61	M104	X	0	0	0	%100
62	M104	Z	7.491	7.491	0	%100
63	M105	X	0	0	0	%100
64	M105	Z	16.353	16.353	0	%100
65	M106	X	0	0	0	%100
66	M106	Z	16.353	16.353	0	%100

Member Distributed Loads (BLC 48 : Structure Wo (210 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.967	-1.967	0	%100
2	M1	Z	3.407	3.407	0	%100
3	MP1A	X	-4.64	-4.64	0	%100
4	MP1A	Z	8.037	8.037	0	%100
5	M16	X	-1.967	-1.967	0	%100
6	M16	Z	3.407	3.407	0	%100
7	M29	X	-7.867	-7.867	0	%100
8	M29	Z	13.627	13.627	0	%100
9	M42	X	-6.105	-6.105	0	%100
10	M42	Z	10.575	10.575	0	%100
11	M43	X	-6.105	-6.105	0	%100
12	M43	Z	10.575	10.575	0	%100
13	M44	X	0	0	0	%100
14	M44	Z	0	0	0	%100
15	OVP1	X	-3.342	-3.342	0	%100
16	OVP1	Z	5.789	5.789	0	%100
17	OVP2	X	-3.342	-3.342	0	%100
18	OVP2	Z	5.789	5.789	0	%100
19	MP2A	X	-4.64	-4.64	0	%100
20	MP2A	Z	8.037	8.037	0	%100
21	MP3A	X	-4.64	-4.64	0	%100
22	MP3A	Z	8.037	8.037	0	%100
23	MP4A	X	-4.64	-4.64	0	%100
24	MP4A	Z	8.037	8.037	0	%100

Member Distributed Loads (BLC 48 : Structure Wo (210 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
25	MP5A	X	-4.64	-4.64	0	%100
26	MP5A	Z	8.037	8.037	0	%100
27	MP1C	X	-4.64	-4.64	0	%100
28	MP1C	Z	8.037	8.037	0	%100
29	MP2C	X	-4.64	-4.64	0	%100
30	MP2C	Z	8.037	8.037	0	%100
31	MP3C	X	-4.64	-4.64	0	%100
32	MP3C	Z	8.037	8.037	0	%100
33	MP4C	X	-4.64	-4.64	0	%100
34	MP4C	Z	8.037	8.037	0	%100
35	MP5C	X	-4.64	-4.64	0	%100
36	MP5C	Z	8.037	8.037	0	%100
37	MP1B	X	-4.64	-4.64	0	%100
38	MP1B	Z	8.037	8.037	0	%100
39	MP2B	X	-4.64	-4.64	0	%100
40	MP2B	Z	8.037	8.037	0	%100
41	MP3B	X	-4.64	-4.64	0	%100
42	MP3B	Z	8.037	8.037	0	%100
43	MP4B	X	-4.64	-4.64	0	%100
44	MP4B	Z	8.037	8.037	0	%100
45	MP5B	X	-4.64	-4.64	0	%100
46	MP5B	Z	8.037	8.037	0	%100
47	M76	X	-1.536	-1.536	0	%100
48	M76	Z	2.66	2.66	0	%100
49	M78	X	-17.847	-17.847	0	%100
50	M78	Z	30.912	30.912	0	%100
51	M79	X	-17.847	-17.847	0	%100
52	M79	Z	30.912	30.912	0	%100
53	M80	X	0	0	0	%100
54	M80	Z	0	0	0	%100
55	M101	X	0	0	0	%100
56	M101	Z	0	0	0	%100
57	M102	X	-5.036	-5.036	0	%100
58	M102	Z	8.723	8.723	0	%100
59	M103	X	-5.036	-5.036	0	%100
60	M103	Z	8.723	8.723	0	%100
61	M104	X	-5.222	-5.222	0	%100
62	M104	Z	9.045	9.045	0	%100
63	M105	X	-5.222	-5.222	0	%100
64	M105	Z	9.045	9.045	0	%100
65	M106	X	-9.654	-9.654	0	%100
66	M106	Z	16.721	16.721	0	%100

Member Distributed Loads (BLC 49 : Structure Wo (240 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-10.22	-10.22	0	%100
2	M1	Z	5.901	5.901	0	%100
3	MP1A	X	-8.037	-8.037	0	%100
4	MP1A	Z	4.64	4.64	0	%100
5	M16	X	0	0	0	%100
6	M16	Z	0	0	0	%100
7	M29	X	-10.22	-10.22	0	%100
8	M29	Z	5.901	5.901	0	%100
9	M42	X	-3.525	-3.525	0	%100
10	M42	Z	2.035	2.035	0	%100
11	M43	X	-14.1	-14.1	0	%100

Member Distributed Loads (BLC 49 : Structure Wo (240 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
12	M43	Z	8.14	8.14	0	%100
13	M44	X	-3.525	-3.525	0	%100
14	M44	Z	2.035	2.035	0	%100
15	OVP1	X	-5.789	-5.789	0	%100
16	OVP1	Z	3.342	3.342	0	%100
17	OVP2	X	-5.789	-5.789	0	%100
18	OVP2	Z	3.342	3.342	0	%100
19	MP2A	X	-8.037	-8.037	0	%100
20	MP2A	Z	4.64	4.64	0	%100
21	MP3A	X	-8.037	-8.037	0	%100
22	MP3A	Z	4.64	4.64	0	%100
23	MP4A	X	-8.037	-8.037	0	%100
24	MP4A	Z	4.64	4.64	0	%100
25	MP5A	X	-8.037	-8.037	0	%100
26	MP5A	Z	4.64	4.64	0	%100
27	MP1C	X	-8.037	-8.037	0	%100
28	MP1C	Z	4.64	4.64	0	%100
29	MP2C	X	-8.037	-8.037	0	%100
30	MP2C	Z	4.64	4.64	0	%100
31	MP3C	X	-8.037	-8.037	0	%100
32	MP3C	Z	4.64	4.64	0	%100
33	MP4C	X	-8.037	-8.037	0	%100
34	MP4C	Z	4.64	4.64	0	%100
35	MP5C	X	-8.037	-8.037	0	%100
36	MP5C	Z	4.64	4.64	0	%100
37	MP1B	X	-8.037	-8.037	0	%100
38	MP1B	Z	4.64	4.64	0	%100
39	MP2B	X	-8.037	-8.037	0	%100
40	MP2B	Z	4.64	4.64	0	%100
41	MP3B	X	-8.037	-8.037	0	%100
42	MP3B	Z	4.64	4.64	0	%100
43	MP4B	X	-8.037	-8.037	0	%100
44	MP4B	Z	4.64	4.64	0	%100
45	MP5B	X	-8.037	-8.037	0	%100
46	MP5B	Z	4.64	4.64	0	%100
47	M76	X	-2.66	-2.66	0	%100
48	M76	Z	1.536	1.536	0	%100
49	M78	X	-10.304	-10.304	0	%100
50	M78	Z	5.949	5.949	0	%100
51	M79	X	-41.216	-41.216	0	%100
52	M79	Z	23.796	23.796	0	%100
53	M80	X	-10.304	-10.304	0	%100
54	M80	Z	5.949	5.949	0	%100
55	M101	X	-2.908	-2.908	0	%100
56	M101	Z	1.679	1.679	0	%100
57	M102	X	-2.908	-2.908	0	%100
58	M102	Z	1.679	1.679	0	%100
59	M103	X	-11.631	-11.631	0	%100
60	M103	Z	6.715	6.715	0	%100
61	M104	X	-14.162	-14.162	0	%100
62	M104	Z	8.177	8.177	0	%100
63	M105	X	-6.487	-6.487	0	%100
64	M105	Z	3.745	3.745	0	%100
65	M106	X	-14.162	-14.162	0	%100
66	M106	Z	8.177	8.177	0	%100

Member Distributed Loads (BLC 50 : Structure Wo (270 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-15.735	-15.735	0	%100
2	M1	Z	0	0	0	%100
3	MP1A	X	-9.28	-9.28	0	%100
4	MP1A	Z	0	0	0	%100
5	M16	X	-3.934	-3.934	0	%100
6	M16	Z	0	0	0	%100
7	M29	X	-3.934	-3.934	0	%100
8	M29	Z	0	0	0	%100
9	M42	X	0	0	0	%100
10	M42	Z	0	0	0	%100
11	M43	X	-12.211	-12.211	0	%100
12	M43	Z	0	0	0	%100
13	M44	X	-12.211	-12.211	0	%100
14	M44	Z	0	0	0	%100
15	OVP1	X	-6.684	-6.684	0	%100
16	OVP1	Z	0	0	0	%100
17	OVP2	X	-6.684	-6.684	0	%100
18	OVP2	Z	0	0	0	%100
19	MP2A	X	-9.28	-9.28	0	%100
20	MP2A	Z	0	0	0	%100
21	MP3A	X	-9.28	-9.28	0	%100
22	MP3A	Z	0	0	0	%100
23	MP4A	X	-9.28	-9.28	0	%100
24	MP4A	Z	0	0	0	%100
25	MP5A	X	-9.28	-9.28	0	%100
26	MP5A	Z	0	0	0	%100
27	MP1C	X	-9.28	-9.28	0	%100
28	MP1C	Z	0	0	0	%100
29	MP2C	X	-9.28	-9.28	0	%100
30	MP2C	Z	0	0	0	%100
31	MP3C	X	-9.28	-9.28	0	%100
32	MP3C	Z	0	0	0	%100
33	MP4C	X	-9.28	-9.28	0	%100
34	MP4C	Z	0	0	0	%100
35	MP5C	X	-9.28	-9.28	0	%100
36	MP5C	Z	0	0	0	%100
37	MP1B	X	-9.28	-9.28	0	%100
38	MP1B	Z	0	0	0	%100
39	MP2B	X	-9.28	-9.28	0	%100
40	MP2B	Z	0	0	0	%100
41	MP3B	X	-9.28	-9.28	0	%100
42	MP3B	Z	0	0	0	%100
43	MP4B	X	-9.28	-9.28	0	%100
44	MP4B	Z	0	0	0	%100
45	MP5B	X	-9.28	-9.28	0	%100
46	MP5B	Z	0	0	0	%100
47	M76	X	-3.072	-3.072	0	%100
48	M76	Z	0	0	0	%100
49	M78	X	0	0	0	%100
50	M78	Z	0	0	0	%100
51	M79	X	-35.694	-35.694	0	%100
52	M79	Z	0	0	0	%100
53	M80	X	-35.694	-35.694	0	%100
54	M80	Z	0	0	0	%100
55	M101	X	-10.073	-10.073	0	%100
56	M101	Z	0	0	0	%100
57	M102	X	0	0	0	%100

Member Distributed Loads (BLC 50 : Structure Wo (270 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M102	Z	0	0	0	%100
59	M103	X	-10.073	-10.073	0	%100
60	M103	Z	0	0	0	%100
61	M104	X	-19.308	-19.308	0	%100
62	M104	Z	0	0	0	%100
63	M105	X	-10.445	-10.445	0	%100
64	M105	Z	0	0	0	%100
65	M106	X	-10.445	-10.445	0	%100
66	M106	Z	0	0	0	%100

Member Distributed Loads (BLC 51 : Structure Wo (300 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-10.22	-10.22	0	%100
2	M1	Z	-5.901	-5.901	0	%100
3	MP1A	X	-8.037	-8.037	0	%100
4	MP1A	Z	-4.64	-4.64	0	%100
5	M16	X	-10.22	-10.22	0	%100
6	M16	Z	-5.901	-5.901	0	%100
7	M29	X	0	0	0	%100
8	M29	Z	0	0	0	%100
9	M42	X	-3.525	-3.525	0	%100
10	M42	Z	-2.035	-2.035	0	%100
11	M43	X	-3.525	-3.525	0	%100
12	M43	Z	-2.035	-2.035	0	%100
13	M44	X	-14.1	-14.1	0	%100
14	M44	Z	-8.14	-8.14	0	%100
15	OVP1	X	-5.789	-5.789	0	%100
16	OVP1	Z	-3.342	-3.342	0	%100
17	OVP2	X	-5.789	-5.789	0	%100
18	OVP2	Z	-3.342	-3.342	0	%100
19	MP2A	X	-8.037	-8.037	0	%100
20	MP2A	Z	-4.64	-4.64	0	%100
21	MP3A	X	-8.037	-8.037	0	%100
22	MP3A	Z	-4.64	-4.64	0	%100
23	MP4A	X	-8.037	-8.037	0	%100
24	MP4A	Z	-4.64	-4.64	0	%100
25	MP5A	X	-8.037	-8.037	0	%100
26	MP5A	Z	-4.64	-4.64	0	%100
27	MP1C	X	-8.037	-8.037	0	%100
28	MP1C	Z	-4.64	-4.64	0	%100
29	MP2C	X	-8.037	-8.037	0	%100
30	MP2C	Z	-4.64	-4.64	0	%100
31	MP3C	X	-8.037	-8.037	0	%100
32	MP3C	Z	-4.64	-4.64	0	%100
33	MP4C	X	-8.037	-8.037	0	%100
34	MP4C	Z	-4.64	-4.64	0	%100
35	MP5C	X	-8.037	-8.037	0	%100
36	MP5C	Z	-4.64	-4.64	0	%100
37	MP1B	X	-8.037	-8.037	0	%100
38	MP1B	Z	-4.64	-4.64	0	%100
39	MP2B	X	-8.037	-8.037	0	%100
40	MP2B	Z	-4.64	-4.64	0	%100
41	MP3B	X	-8.037	-8.037	0	%100
42	MP3B	Z	-4.64	-4.64	0	%100
43	MP4B	X	-8.037	-8.037	0	%100
44	MP4B	Z	-4.64	-4.64	0	%100

Member Distributed Loads (BLC 51 : Structure Wo (300 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
45	MP5B	X	-8.037	-8.037	0	%100
46	MP5B	Z	-4.64	-4.64	0	%100
47	M76	X	-2.66	-2.66	0	%100
48	M76	Z	-1.536	-1.536	0	%100
49	M78	X	-10.304	-10.304	0	%100
50	M78	Z	-5.949	-5.949	0	%100
51	M79	X	-10.304	-10.304	0	%100
52	M79	Z	-5.949	-5.949	0	%100
53	M80	X	-41.216	-41.216	0	%100
54	M80	Z	-23.796	-23.796	0	%100
55	M101	X	-11.631	-11.631	0	%100
56	M101	Z	-6.715	-6.715	0	%100
57	M102	X	-2.908	-2.908	0	%100
58	M102	Z	-1.679	-1.679	0	%100
59	M103	X	-2.908	-2.908	0	%100
60	M103	Z	-1.679	-1.679	0	%100
61	M104	X	-14.162	-14.162	0	%100
62	M104	Z	-8.177	-8.177	0	%100
63	M105	X	-14.162	-14.162	0	%100
64	M105	Z	-8.177	-8.177	0	%100
65	M106	X	-6.487	-6.487	0	%100
66	M106	Z	-3.745	-3.745	0	%100

Member Distributed Loads (BLC 52 : Structure Wo (330 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.967	-1.967	0	%100
2	M1	Z	-3.407	-3.407	0	%100
3	MP1A	X	-4.64	-4.64	0	%100
4	MP1A	Z	-8.037	-8.037	0	%100
5	M16	X	-7.867	-7.867	0	%100
6	M16	Z	-13.627	-13.627	0	%100
7	M29	X	-1.967	-1.967	0	%100
8	M29	Z	-3.407	-3.407	0	%100
9	M42	X	-6.105	-6.105	0	%100
10	M42	Z	-10.575	-10.575	0	%100
11	M43	X	0	0	0	%100
12	M43	Z	0	0	0	%100
13	M44	X	-6.105	-6.105	0	%100
14	M44	Z	-10.575	-10.575	0	%100
15	OVP1	X	-3.342	-3.342	0	%100
16	OVP1	Z	-5.789	-5.789	0	%100
17	OVP2	X	-3.342	-3.342	0	%100
18	OVP2	Z	-5.789	-5.789	0	%100
19	MP2A	X	-4.64	-4.64	0	%100
20	MP2A	Z	-8.037	-8.037	0	%100
21	MP3A	X	-4.64	-4.64	0	%100
22	MP3A	Z	-8.037	-8.037	0	%100
23	MP4A	X	-4.64	-4.64	0	%100
24	MP4A	Z	-8.037	-8.037	0	%100
25	MP5A	X	-4.64	-4.64	0	%100
26	MP5A	Z	-8.037	-8.037	0	%100
27	MP1C	X	-4.64	-4.64	0	%100
28	MP1C	Z	-8.037	-8.037	0	%100
29	MP2C	X	-4.64	-4.64	0	%100
30	MP2C	Z	-8.037	-8.037	0	%100
31	MP3C	X	-4.64	-4.64	0	%100

Member Distributed Loads (BLC 52 : Structure Wo (330 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
32	MP3C	Z	-8.037	-8.037	0	%100
33	MP4C	X	-4.64	-4.64	0	%100
34	MP4C	Z	-8.037	-8.037	0	%100
35	MP5C	X	-4.64	-4.64	0	%100
36	MP5C	Z	-8.037	-8.037	0	%100
37	MP1B	X	-4.64	-4.64	0	%100
38	MP1B	Z	-8.037	-8.037	0	%100
39	MP2B	X	-4.64	-4.64	0	%100
40	MP2B	Z	-8.037	-8.037	0	%100
41	MP3B	X	-4.64	-4.64	0	%100
42	MP3B	Z	-8.037	-8.037	0	%100
43	MP4B	X	-4.64	-4.64	0	%100
44	MP4B	Z	-8.037	-8.037	0	%100
45	MP5B	X	-4.64	-4.64	0	%100
46	MP5B	Z	-8.037	-8.037	0	%100
47	M76	X	-1.536	-1.536	0	%100
48	M76	Z	-2.66	-2.66	0	%100
49	M78	X	-17.847	-17.847	0	%100
50	M78	Z	-30.912	-30.912	0	%100
51	M79	X	0	0	0	%100
52	M79	Z	0	0	0	%100
53	M80	X	-17.847	-17.847	0	%100
54	M80	Z	-30.912	-30.912	0	%100
55	M101	X	-5.036	-5.036	0	%100
56	M101	Z	-8.723	-8.723	0	%100
57	M102	X	-5.036	-5.036	0	%100
58	M102	Z	-8.723	-8.723	0	%100
59	M103	X	0	0	0	%100
60	M103	Z	0	0	0	%100
61	M104	X	-5.222	-5.222	0	%100
62	M104	Z	-9.045	-9.045	0	%100
63	M105	X	-9.654	-9.654	0	%100
64	M105	Z	-16.721	-16.721	0	%100
65	M106	X	-5.222	-5.222	0	%100
66	M106	Z	-9.045	-9.045	0	%100

Member Distributed Loads (BLC 53 : Structure Wi (0 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	MP1A	X	0	0	0	%100
4	MP1A	Z	-4.326	-4.326	0	%100
5	M16	X	0	0	0	%100
6	M16	Z	-4.16	-4.16	0	%100
7	M29	X	0	0	0	%100
8	M29	Z	-4.16	-4.16	0	%100
9	M42	X	0	0	0	%100
10	M42	Z	-5.65	-5.65	0	%100
11	M43	X	0	0	0	%100
12	M43	Z	-1.412	-1.412	0	%100
13	M44	X	0	0	0	%100
14	M44	Z	-1.412	-1.412	0	%100
15	OVP1	X	0	0	0	%100
16	OVP1	Z	-2.966	-2.966	0	%100
17	OVP2	X	0	0	0	%100
18	OVP2	Z	-2.966	-2.966	0	%100

Member Distributed Loads (BLC 53 : Structure Wi (0 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	MP2A	X	0	0	0	%100
20	MP2A	Z	-4.326	-4.326	0	%100
21	MP3A	X	0	0	0	%100
22	MP3A	Z	-4.12	-4.12	0	%100
23	MP4A	X	0	0	0	%100
24	MP4A	Z	-4.326	-4.326	0	%100
25	MP5A	X	0	0	0	%100
26	MP5A	Z	-4.326	-4.326	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	-4.326	-4.326	0	%100
29	MP2C	X	0	0	0	%100
30	MP2C	Z	-4.326	-4.326	0	%100
31	MP3C	X	0	0	0	%100
32	MP3C	Z	-4.12	-4.12	0	%100
33	MP4C	X	0	0	0	%100
34	MP4C	Z	-4.326	-4.326	0	%100
35	MP5C	X	0	0	0	%100
36	MP5C	Z	-4.326	-4.326	0	%100
37	MP1B	X	0	0	0	%100
38	MP1B	Z	-4.326	-4.326	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	-4.326	-4.326	0	%100
41	MP3B	X	0	0	0	%100
42	MP3B	Z	-4.12	-4.12	0	%100
43	MP4B	X	0	0	0	%100
44	MP4B	Z	-4.326	-4.326	0	%100
45	MP5B	X	0	0	0	%100
46	MP5B	Z	-4.326	-4.326	0	%100
47	M76	X	0	0	0	%100
48	M76	Z	-2.126	-2.126	0	%100
49	M78	X	0	0	0	%100
50	M78	Z	-11.569	-11.569	0	%100
51	M79	X	0	0	0	%100
52	M79	Z	-2.892	-2.892	0	%100
53	M80	X	0	0	0	%100
54	M80	Z	-2.892	-2.892	0	%100
55	M101	X	0	0	0	%100
56	M101	Z	-1.046	-1.046	0	%100
57	M102	X	0	0	0	%100
58	M102	Z	-4.184	-4.184	0	%100
59	M103	X	0	0	0	%100
60	M103	Z	-1.046	-1.046	0	%100
61	M104	X	0	0	0	%100
62	M104	Z	-1.996	-1.996	0	%100
63	M105	X	0	0	0	%100
64	M105	Z	-5.02	-5.02	0	%100
65	M106	X	0	0	0	%100
66	M106	Z	-5.02	-5.02	0	%100

Member Distributed Loads (BLC 54 : Structure Wi (30 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.693	.693	0	%100
2	M1	Z	-1.201	-1.201	0	%100
3	MP1A	X	2.163	2.163	0	%100
4	MP1A	Z	-3.747	-3.747	0	%100
5	M16	X	.693	.693	0	%100

Member Distributed Loads (BLC 54 : Structure Wi (30 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
6	M16	Z	-1.201	-1.201	0	%100
7	M29	X	2.773	2.773	0	%100
8	M29	Z	-4.803	-4.803	0	%100
9	M42	X	2.119	2.119	0	%100
10	M42	Z	-3.67	-3.67	0	%100
11	M43	X	2.119	2.119	0	%100
12	M43	Z	-3.67	-3.67	0	%100
13	M44	X	0	0	0	%100
14	M44	Z	0	0	0	%100
15	OVP1	X	1.483	1.483	0	%100
16	OVP1	Z	-2.569	-2.569	0	%100
17	OVP2	X	1.483	1.483	0	%100
18	OVP2	Z	-2.569	-2.569	0	%100
19	MP2A	X	2.163	2.163	0	%100
20	MP2A	Z	-3.747	-3.747	0	%100
21	MP3A	X	2.06	2.06	0	%100
22	MP3A	Z	-3.568	-3.568	0	%100
23	MP4A	X	2.163	2.163	0	%100
24	MP4A	Z	-3.747	-3.747	0	%100
25	MP5A	X	2.163	2.163	0	%100
26	MP5A	Z	-3.747	-3.747	0	%100
27	MP1C	X	2.163	2.163	0	%100
28	MP1C	Z	-3.747	-3.747	0	%100
29	MP2C	X	2.163	2.163	0	%100
30	MP2C	Z	-3.747	-3.747	0	%100
31	MP3C	X	2.06	2.06	0	%100
32	MP3C	Z	-3.568	-3.568	0	%100
33	MP4C	X	2.163	2.163	0	%100
34	MP4C	Z	-3.747	-3.747	0	%100
35	MP5C	X	2.163	2.163	0	%100
36	MP5C	Z	-3.747	-3.747	0	%100
37	MP1B	X	2.163	2.163	0	%100
38	MP1B	Z	-3.747	-3.747	0	%100
39	MP2B	X	2.163	2.163	0	%100
40	MP2B	Z	-3.747	-3.747	0	%100
41	MP3B	X	2.06	2.06	0	%100
42	MP3B	Z	-3.568	-3.568	0	%100
43	MP4B	X	2.163	2.163	0	%100
44	MP4B	Z	-3.747	-3.747	0	%100
45	MP5B	X	2.163	2.163	0	%100
46	MP5B	Z	-3.747	-3.747	0	%100
47	M76	X	1.063	1.063	0	%100
48	M76	Z	-1.841	-1.841	0	%100
49	M78	X	4.338	4.338	0	%100
50	M78	Z	-7.514	-7.514	0	%100
51	M79	X	4.338	4.338	0	%100
52	M79	Z	-7.514	-7.514	0	%100
53	M80	X	0	0	0	%100
54	M80	Z	0	0	0	%100
55	M101	X	0	0	0	%100
56	M101	Z	0	0	0	%100
57	M102	X	1.569	1.569	0	%100
58	M102	Z	-2.718	-2.718	0	%100
59	M103	X	1.569	1.569	0	%100
60	M103	Z	-2.718	-2.718	0	%100
61	M104	X	1.502	1.502	0	%100
62	M104	Z	-2.602	-2.602	0	%100

Member Distributed Loads (BLC 54 : Structure Wi (30 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
63	M105	X	1.502	1.502	0	%100
64	M105	Z	-2.602	-2.602	0	%100
65	M106	X	3.014	3.014	0	%100
66	M106	Z	-5.22	-5.22	0	%100

Member Distributed Loads (BLC 55 : Structure Wi (60 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	3.603	3.603	0	%100
2	M1	Z	-2.08	-2.08	0	%100
3	MP1A	X	3.747	3.747	0	%100
4	MP1A	Z	-2.163	-2.163	0	%100
5	M16	X	0	0	0	%100
6	M16	Z	0	0	0	%100
7	M29	X	3.603	3.603	0	%100
8	M29	Z	-2.08	-2.08	0	%100
9	M42	X	1.223	1.223	0	%100
10	M42	Z	-.706	-.706	0	%100
11	M43	X	4.893	4.893	0	%100
12	M43	Z	-2.825	-2.825	0	%100
13	M44	X	1.223	1.223	0	%100
14	M44	Z	-.706	-.706	0	%100
15	OVP1	X	2.569	2.569	0	%100
16	OVP1	Z	-1.483	-1.483	0	%100
17	OVP2	X	2.569	2.569	0	%100
18	OVP2	Z	-1.483	-1.483	0	%100
19	MP2A	X	3.747	3.747	0	%100
20	MP2A	Z	-2.163	-2.163	0	%100
21	MP3A	X	3.568	3.568	0	%100
22	MP3A	Z	-2.06	-2.06	0	%100
23	MP4A	X	3.747	3.747	0	%100
24	MP4A	Z	-2.163	-2.163	0	%100
25	MP5A	X	3.747	3.747	0	%100
26	MP5A	Z	-2.163	-2.163	0	%100
27	MP1C	X	3.747	3.747	0	%100
28	MP1C	Z	-2.163	-2.163	0	%100
29	MP2C	X	3.747	3.747	0	%100
30	MP2C	Z	-2.163	-2.163	0	%100
31	MP3C	X	3.568	3.568	0	%100
32	MP3C	Z	-2.06	-2.06	0	%100
33	MP4C	X	3.747	3.747	0	%100
34	MP4C	Z	-2.163	-2.163	0	%100
35	MP5C	X	3.747	3.747	0	%100
36	MP5C	Z	-2.163	-2.163	0	%100
37	MP1B	X	3.747	3.747	0	%100
38	MP1B	Z	-2.163	-2.163	0	%100
39	MP2B	X	3.747	3.747	0	%100
40	MP2B	Z	-2.163	-2.163	0	%100
41	MP3B	X	3.568	3.568	0	%100
42	MP3B	Z	-2.06	-2.06	0	%100
43	MP4B	X	3.747	3.747	0	%100
44	MP4B	Z	-2.163	-2.163	0	%100
45	MP5B	X	3.747	3.747	0	%100
46	MP5B	Z	-2.163	-2.163	0	%100
47	M76	X	1.841	1.841	0	%100
48	M76	Z	-1.063	-1.063	0	%100
49	M78	X	2.505	2.505	0	%100

Member Distributed Loads (BLC 55 : Structure Wi (60 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
50	M78	Z	-1.446	-1.446	0	%100
51	M79	X	10.019	10.019	0	%100
52	M79	Z	-5.784	-5.784	0	%100
53	M80	X	2.505	2.505	0	%100
54	M80	Z	-1.446	-1.446	0	%100
55	M101	X	.906	.906	0	%100
56	M101	Z	-.523	-.523	0	%100
57	M102	X	.906	.906	0	%100
58	M102	Z	-.523	-.523	0	%100
59	M103	X	3.624	3.624	0	%100
60	M103	Z	-2.092	-2.092	0	%100
61	M104	X	4.348	4.348	0	%100
62	M104	Z	-2.51	-2.51	0	%100
63	M105	X	1.729	1.729	0	%100
64	M105	Z	-.998	-.998	0	%100
65	M106	X	4.348	4.348	0	%100
66	M106	Z	-2.51	-2.51	0	%100

Member Distributed Loads (BLC 56 : Structure Wi (90 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	5.547	5.547	0	%100
2	M1	Z	0	0	0	%100
3	MP1A	X	4.326	4.326	0	%100
4	MP1A	Z	0	0	0	%100
5	M16	X	1.387	1.387	0	%100
6	M16	Z	0	0	0	%100
7	M29	X	1.387	1.387	0	%100
8	M29	Z	0	0	0	%100
9	M42	X	0	0	0	%100
10	M42	Z	0	0	0	%100
11	M43	X	4.237	4.237	0	%100
12	M43	Z	0	0	0	%100
13	M44	X	4.237	4.237	0	%100
14	M44	Z	0	0	0	%100
15	OVP1	X	2.966	2.966	0	%100
16	OVP1	Z	0	0	0	%100
17	OVP2	X	2.966	2.966	0	%100
18	OVP2	Z	0	0	0	%100
19	MP2A	X	4.326	4.326	0	%100
20	MP2A	Z	0	0	0	%100
21	MP3A	X	4.12	4.12	0	%100
22	MP3A	Z	0	0	0	%100
23	MP4A	X	4.326	4.326	0	%100
24	MP4A	Z	0	0	0	%100
25	MP5A	X	4.326	4.326	0	%100
26	MP5A	Z	0	0	0	%100
27	MP1C	X	4.326	4.326	0	%100
28	MP1C	Z	0	0	0	%100
29	MP2C	X	4.326	4.326	0	%100
30	MP2C	Z	0	0	0	%100
31	MP3C	X	4.12	4.12	0	%100
32	MP3C	Z	0	0	0	%100
33	MP4C	X	4.326	4.326	0	%100
34	MP4C	Z	0	0	0	%100
35	MP5C	X	4.326	4.326	0	%100
36	MP5C	Z	0	0	0	%100

Member Distributed Loads (BLC 56 : Structure Wi (90 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	MP1B	X	4.326	4.326	0	%100
38	MP1B	Z	0	0	0	%100
39	MP2B	X	4.326	4.326	0	%100
40	MP2B	Z	0	0	0	%100
41	MP3B	X	4.12	4.12	0	%100
42	MP3B	Z	0	0	0	%100
43	MP4B	X	4.326	4.326	0	%100
44	MP4B	Z	0	0	0	%100
45	MP5B	X	4.326	4.326	0	%100
46	MP5B	Z	0	0	0	%100
47	M76	X	2.126	2.126	0	%100
48	M76	Z	0	0	0	%100
49	M78	X	0	0	0	%100
50	M78	Z	0	0	0	%100
51	M79	X	8.676	8.676	0	%100
52	M79	Z	0	0	0	%100
53	M80	X	8.676	8.676	0	%100
54	M80	Z	0	0	0	%100
55	M101	X	3.138	3.138	0	%100
56	M101	Z	0	0	0	%100
57	M102	X	0	0	0	%100
58	M102	Z	0	0	0	%100
59	M103	X	3.138	3.138	0	%100
60	M103	Z	0	0	0	%100
61	M104	X	6.028	6.028	0	%100
62	M104	Z	0	0	0	%100
63	M105	X	3.004	3.004	0	%100
64	M105	Z	0	0	0	%100
65	M106	X	3.004	3.004	0	%100
66	M106	Z	0	0	0	%100

Member Distributed Loads (BLC 57 : Structure Wi (120 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	3.603	3.603	0	%100
2	M1	Z	2.08	2.08	0	%100
3	MP1A	X	3.747	3.747	0	%100
4	MP1A	Z	2.163	2.163	0	%100
5	M16	X	3.603	3.603	0	%100
6	M16	Z	2.08	2.08	0	%100
7	M29	X	0	0	0	%100
8	M29	Z	0	0	0	%100
9	M42	X	1.223	1.223	0	%100
10	M42	Z	.706	.706	0	%100
11	M43	X	1.223	1.223	0	%100
12	M43	Z	.706	.706	0	%100
13	M44	X	4.893	4.893	0	%100
14	M44	Z	2.825	2.825	0	%100
15	OVP1	X	2.569	2.569	0	%100
16	OVP1	Z	1.483	1.483	0	%100
17	OVP2	X	2.569	2.569	0	%100
18	OVP2	Z	1.483	1.483	0	%100
19	MP2A	X	3.747	3.747	0	%100
20	MP2A	Z	2.163	2.163	0	%100
21	MP3A	X	3.568	3.568	0	%100
22	MP3A	Z	2.06	2.06	0	%100
23	MP4A	X	3.747	3.747	0	%100

Member Distributed Loads (BLC 57 : Structure Wi (120 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
24	MP4A	Z	2.163	2.163	0	%100
25	MP5A	X	3.747	3.747	0	%100
26	MP5A	Z	2.163	2.163	0	%100
27	MP1C	X	3.747	3.747	0	%100
28	MP1C	Z	2.163	2.163	0	%100
29	MP2C	X	3.747	3.747	0	%100
30	MP2C	Z	2.163	2.163	0	%100
31	MP3C	X	3.568	3.568	0	%100
32	MP3C	Z	2.06	2.06	0	%100
33	MP4C	X	3.747	3.747	0	%100
34	MP4C	Z	2.163	2.163	0	%100
35	MP5C	X	3.747	3.747	0	%100
36	MP5C	Z	2.163	2.163	0	%100
37	MP1B	X	3.747	3.747	0	%100
38	MP1B	Z	2.163	2.163	0	%100
39	MP2B	X	3.747	3.747	0	%100
40	MP2B	Z	2.163	2.163	0	%100
41	MP3B	X	3.568	3.568	0	%100
42	MP3B	Z	2.06	2.06	0	%100
43	MP4B	X	3.747	3.747	0	%100
44	MP4B	Z	2.163	2.163	0	%100
45	MP5B	X	3.747	3.747	0	%100
46	MP5B	Z	2.163	2.163	0	%100
47	M76	X	1.841	1.841	0	%100
48	M76	Z	1.063	1.063	0	%100
49	M78	X	2.505	2.505	0	%100
50	M78	Z	1.446	1.446	0	%100
51	M79	X	2.505	2.505	0	%100
52	M79	Z	1.446	1.446	0	%100
53	M80	X	10.019	10.019	0	%100
54	M80	Z	5.784	5.784	0	%100
55	M101	X	3.624	3.624	0	%100
56	M101	Z	2.092	2.092	0	%100
57	M102	X	.906	.906	0	%100
58	M102	Z	.523	.523	0	%100
59	M103	X	.906	.906	0	%100
60	M103	Z	.523	.523	0	%100
61	M104	X	4.348	4.348	0	%100
62	M104	Z	2.51	2.51	0	%100
63	M105	X	4.348	4.348	0	%100
64	M105	Z	2.51	2.51	0	%100
65	M106	X	1.729	1.729	0	%100
66	M106	Z	.998	.998	0	%100

Member Distributed Loads (BLC 58 : Structure Wi (150 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.693	.693	0	%100
2	M1	Z	1.201	1.201	0	%100
3	MP1A	X	2.163	2.163	0	%100
4	MP1A	Z	3.747	3.747	0	%100
5	M16	X	2.773	2.773	0	%100
6	M16	Z	4.803	4.803	0	%100
7	M29	X	.693	.693	0	%100
8	M29	Z	1.201	1.201	0	%100
9	M42	X	2.119	2.119	0	%100
10	M42	Z	3.67	3.67	0	%100

Member Distributed Loads (BLC 58 : Structure Wi (150 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
11	M43	X	0	0	0	%100
12	M43	Z	0	0	0	%100
13	M44	X	2.119	2.119	0	%100
14	M44	Z	3.67	3.67	0	%100
15	OVP1	X	1.483	1.483	0	%100
16	OVP1	Z	2.569	2.569	0	%100
17	OVP2	X	1.483	1.483	0	%100
18	OVP2	Z	2.569	2.569	0	%100
19	MP2A	X	2.163	2.163	0	%100
20	MP2A	Z	3.747	3.747	0	%100
21	MP3A	X	2.06	2.06	0	%100
22	MP3A	Z	3.568	3.568	0	%100
23	MP4A	X	2.163	2.163	0	%100
24	MP4A	Z	3.747	3.747	0	%100
25	MP5A	X	2.163	2.163	0	%100
26	MP5A	Z	3.747	3.747	0	%100
27	MP1C	X	2.163	2.163	0	%100
28	MP1C	Z	3.747	3.747	0	%100
29	MP2C	X	2.163	2.163	0	%100
30	MP2C	Z	3.747	3.747	0	%100
31	MP3C	X	2.06	2.06	0	%100
32	MP3C	Z	3.568	3.568	0	%100
33	MP4C	X	2.163	2.163	0	%100
34	MP4C	Z	3.747	3.747	0	%100
35	MP5C	X	2.163	2.163	0	%100
36	MP5C	Z	3.747	3.747	0	%100
37	MP1B	X	2.163	2.163	0	%100
38	MP1B	Z	3.747	3.747	0	%100
39	MP2B	X	2.163	2.163	0	%100
40	MP2B	Z	3.747	3.747	0	%100
41	MP3B	X	2.06	2.06	0	%100
42	MP3B	Z	3.568	3.568	0	%100
43	MP4B	X	2.163	2.163	0	%100
44	MP4B	Z	3.747	3.747	0	%100
45	MP5B	X	2.163	2.163	0	%100
46	MP5B	Z	3.747	3.747	0	%100
47	M76	X	1.063	1.063	0	%100
48	M76	Z	1.841	1.841	0	%100
49	M78	X	4.338	4.338	0	%100
50	M78	Z	7.514	7.514	0	%100
51	M79	X	0	0	0	%100
52	M79	Z	0	0	0	%100
53	M80	X	4.338	4.338	0	%100
54	M80	Z	7.514	7.514	0	%100
55	M101	X	1.569	1.569	0	%100
56	M101	Z	2.718	2.718	0	%100
57	M102	X	1.569	1.569	0	%100
58	M102	Z	2.718	2.718	0	%100
59	M103	X	0	0	0	%100
60	M103	Z	0	0	0	%100
61	M104	X	1.502	1.502	0	%100
62	M104	Z	2.602	2.602	0	%100
63	M105	X	3.014	3.014	0	%100
64	M105	Z	5.22	5.22	0	%100
65	M106	X	1.502	1.502	0	%100
66	M106	Z	2.602	2.602	0	%100

Member Distributed Loads (BLC 59 : Structure Wi (180 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	MP1A	X	0	0	0	%100
4	MP1A	Z	4.326	4.326	0	%100
5	M16	X	0	0	0	%100
6	M16	Z	4.16	4.16	0	%100
7	M29	X	0	0	0	%100
8	M29	Z	4.16	4.16	0	%100
9	M42	X	0	0	0	%100
10	M42	Z	5.65	5.65	0	%100
11	M43	X	0	0	0	%100
12	M43	Z	1.412	1.412	0	%100
13	M44	X	0	0	0	%100
14	M44	Z	1.412	1.412	0	%100
15	OVP1	X	0	0	0	%100
16	OVP1	Z	2.966	2.966	0	%100
17	OVP2	X	0	0	0	%100
18	OVP2	Z	2.966	2.966	0	%100
19	MP2A	X	0	0	0	%100
20	MP2A	Z	4.326	4.326	0	%100
21	MP3A	X	0	0	0	%100
22	MP3A	Z	4.12	4.12	0	%100
23	MP4A	X	0	0	0	%100
24	MP4A	Z	4.326	4.326	0	%100
25	MP5A	X	0	0	0	%100
26	MP5A	Z	4.326	4.326	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	4.326	4.326	0	%100
29	MP2C	X	0	0	0	%100
30	MP2C	Z	4.326	4.326	0	%100
31	MP3C	X	0	0	0	%100
32	MP3C	Z	4.12	4.12	0	%100
33	MP4C	X	0	0	0	%100
34	MP4C	Z	4.326	4.326	0	%100
35	MP5C	X	0	0	0	%100
36	MP5C	Z	4.326	4.326	0	%100
37	MP1B	X	0	0	0	%100
38	MP1B	Z	4.326	4.326	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	4.326	4.326	0	%100
41	MP3B	X	0	0	0	%100
42	MP3B	Z	4.12	4.12	0	%100
43	MP4B	X	0	0	0	%100
44	MP4B	Z	4.326	4.326	0	%100
45	MP5B	X	0	0	0	%100
46	MP5B	Z	4.326	4.326	0	%100
47	M76	X	0	0	0	%100
48	M76	Z	2.126	2.126	0	%100
49	M78	X	0	0	0	%100
50	M78	Z	11.569	11.569	0	%100
51	M79	X	0	0	0	%100
52	M79	Z	2.892	2.892	0	%100
53	M80	X	0	0	0	%100
54	M80	Z	2.892	2.892	0	%100
55	M101	X	0	0	0	%100
56	M101	Z	1.046	1.046	0	%100
57	M102	X	0	0	0	%100

Member Distributed Loads (BLC 59 : Structure Wi (180 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M102	Z	4.184	4.184	0	%100
59	M103	X	0	0	0	%100
60	M103	Z	1.046	1.046	0	%100
61	M104	X	0	0	0	%100
62	M104	Z	1.996	1.996	0	%100
63	M105	X	0	0	0	%100
64	M105	Z	5.02	5.02	0	%100
65	M106	X	0	0	0	%100
66	M106	Z	5.02	5.02	0	%100

Member Distributed Loads (BLC 60 : Structure Wi (210 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.693	-.693	0	%100
2	M1	Z	1.201	1.201	0	%100
3	MP1A	X	-2.163	-2.163	0	%100
4	MP1A	Z	3.747	3.747	0	%100
5	M16	X	-.693	-.693	0	%100
6	M16	Z	1.201	1.201	0	%100
7	M29	X	-2.773	-2.773	0	%100
8	M29	Z	4.803	4.803	0	%100
9	M42	X	-2.119	-2.119	0	%100
10	M42	Z	3.67	3.67	0	%100
11	M43	X	-2.119	-2.119	0	%100
12	M43	Z	3.67	3.67	0	%100
13	M44	X	0	0	0	%100
14	M44	Z	0	0	0	%100
15	OVP1	X	-1.483	-1.483	0	%100
16	OVP1	Z	2.569	2.569	0	%100
17	OVP2	X	-1.483	-1.483	0	%100
18	OVP2	Z	2.569	2.569	0	%100
19	MP2A	X	-2.163	-2.163	0	%100
20	MP2A	Z	3.747	3.747	0	%100
21	MP3A	X	-2.06	-2.06	0	%100
22	MP3A	Z	3.568	3.568	0	%100
23	MP4A	X	-2.163	-2.163	0	%100
24	MP4A	Z	3.747	3.747	0	%100
25	MP5A	X	-2.163	-2.163	0	%100
26	MP5A	Z	3.747	3.747	0	%100
27	MP1C	X	-2.163	-2.163	0	%100
28	MP1C	Z	3.747	3.747	0	%100
29	MP2C	X	-2.163	-2.163	0	%100
30	MP2C	Z	3.747	3.747	0	%100
31	MP3C	X	-2.06	-2.06	0	%100
32	MP3C	Z	3.568	3.568	0	%100
33	MP4C	X	-2.163	-2.163	0	%100
34	MP4C	Z	3.747	3.747	0	%100
35	MP5C	X	-2.163	-2.163	0	%100
36	MP5C	Z	3.747	3.747	0	%100
37	MP1B	X	-2.163	-2.163	0	%100
38	MP1B	Z	3.747	3.747	0	%100
39	MP2B	X	-2.163	-2.163	0	%100
40	MP2B	Z	3.747	3.747	0	%100
41	MP3B	X	-2.06	-2.06	0	%100
42	MP3B	Z	3.568	3.568	0	%100
43	MP4B	X	-2.163	-2.163	0	%100
44	MP4B	Z	3.747	3.747	0	%100

Member Distributed Loads (BLC 60 : Structure Wi (210 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
45	MP5B	X	-2.163	-2.163	0	%100
46	MP5B	Z	3.747	3.747	0	%100
47	M76	X	-1.063	-1.063	0	%100
48	M76	Z	1.841	1.841	0	%100
49	M78	X	-4.338	-4.338	0	%100
50	M78	Z	7.514	7.514	0	%100
51	M79	X	-4.338	-4.338	0	%100
52	M79	Z	7.514	7.514	0	%100
53	M80	X	0	0	0	%100
54	M80	Z	0	0	0	%100
55	M101	X	0	0	0	%100
56	M101	Z	0	0	0	%100
57	M102	X	-1.569	-1.569	0	%100
58	M102	Z	2.718	2.718	0	%100
59	M103	X	-1.569	-1.569	0	%100
60	M103	Z	2.718	2.718	0	%100
61	M104	X	-1.502	-1.502	0	%100
62	M104	Z	2.602	2.602	0	%100
63	M105	X	-1.502	-1.502	0	%100
64	M105	Z	2.602	2.602	0	%100
65	M106	X	-3.014	-3.014	0	%100
66	M106	Z	5.22	5.22	0	%100

Member Distributed Loads (BLC 61 : Structure Wi (240 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-3.603	-3.603	0	%100
2	M1	Z	2.08	2.08	0	%100
3	MP1A	X	-3.747	-3.747	0	%100
4	MP1A	Z	2.163	2.163	0	%100
5	M16	X	0	0	0	%100
6	M16	Z	0	0	0	%100
7	M29	X	-3.603	-3.603	0	%100
8	M29	Z	2.08	2.08	0	%100
9	M42	X	-1.223	-1.223	0	%100
10	M42	Z	.706	.706	0	%100
11	M43	X	-4.893	-4.893	0	%100
12	M43	Z	2.825	2.825	0	%100
13	M44	X	-1.223	-1.223	0	%100
14	M44	Z	.706	.706	0	%100
15	OVP1	X	-2.569	-2.569	0	%100
16	OVP1	Z	1.483	1.483	0	%100
17	OVP2	X	-2.569	-2.569	0	%100
18	OVP2	Z	1.483	1.483	0	%100
19	MP2A	X	-3.747	-3.747	0	%100
20	MP2A	Z	2.163	2.163	0	%100
21	MP3A	X	-3.568	-3.568	0	%100
22	MP3A	Z	2.06	2.06	0	%100
23	MP4A	X	-3.747	-3.747	0	%100
24	MP4A	Z	2.163	2.163	0	%100
25	MP5A	X	-3.747	-3.747	0	%100
26	MP5A	Z	2.163	2.163	0	%100
27	MP1C	X	-3.747	-3.747	0	%100
28	MP1C	Z	2.163	2.163	0	%100
29	MP2C	X	-3.747	-3.747	0	%100
30	MP2C	Z	2.163	2.163	0	%100
31	MP3C	X	-3.568	-3.568	0	%100

Member Distributed Loads (BLC 61 : Structure Wi (240 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
32	MP3C	Z	2.06	2.06	0	%100
33	MP4C	X	-3.747	-3.747	0	%100
34	MP4C	Z	2.163	2.163	0	%100
35	MP5C	X	-3.747	-3.747	0	%100
36	MP5C	Z	2.163	2.163	0	%100
37	MP1B	X	-3.747	-3.747	0	%100
38	MP1B	Z	2.163	2.163	0	%100
39	MP2B	X	-3.747	-3.747	0	%100
40	MP2B	Z	2.163	2.163	0	%100
41	MP3B	X	-3.568	-3.568	0	%100
42	MP3B	Z	2.06	2.06	0	%100
43	MP4B	X	-3.747	-3.747	0	%100
44	MP4B	Z	2.163	2.163	0	%100
45	MP5B	X	-3.747	-3.747	0	%100
46	MP5B	Z	2.163	2.163	0	%100
47	M76	X	-1.841	-1.841	0	%100
48	M76	Z	1.063	1.063	0	%100
49	M78	X	-2.505	-2.505	0	%100
50	M78	Z	1.446	1.446	0	%100
51	M79	X	-10.019	-10.019	0	%100
52	M79	Z	5.784	5.784	0	%100
53	M80	X	-2.505	-2.505	0	%100
54	M80	Z	1.446	1.446	0	%100
55	M101	X	-.906	-.906	0	%100
56	M101	Z	.523	.523	0	%100
57	M102	X	-.906	-.906	0	%100
58	M102	Z	.523	.523	0	%100
59	M103	X	-3.624	-3.624	0	%100
60	M103	Z	2.092	2.092	0	%100
61	M104	X	-4.348	-4.348	0	%100
62	M104	Z	2.51	2.51	0	%100
63	M105	X	-1.729	-1.729	0	%100
64	M105	Z	.998	.998	0	%100
65	M106	X	-4.348	-4.348	0	%100
66	M106	Z	2.51	2.51	0	%100

Member Distributed Loads (BLC 62 : Structure Wi (270 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-5.547	-5.547	0	%100
2	M1	Z	0	0	0	%100
3	MP1A	X	-4.326	-4.326	0	%100
4	MP1A	Z	0	0	0	%100
5	M16	X	-1.387	-1.387	0	%100
6	M16	Z	0	0	0	%100
7	M29	X	-1.387	-1.387	0	%100
8	M29	Z	0	0	0	%100
9	M42	X	0	0	0	%100
10	M42	Z	0	0	0	%100
11	M43	X	-4.237	-4.237	0	%100
12	M43	Z	0	0	0	%100
13	M44	X	-4.237	-4.237	0	%100
14	M44	Z	0	0	0	%100
15	OVP1	X	-2.966	-2.966	0	%100
16	OVP1	Z	0	0	0	%100
17	OVP2	X	-2.966	-2.966	0	%100
18	OVP2	Z	0	0	0	%100

Member Distributed Loads (BLC 62 : Structure Wi (270 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	MP2A	X	-4.326	-4.326	0	%100
20	MP2A	Z	0	0	0	%100
21	MP3A	X	-4.12	-4.12	0	%100
22	MP3A	Z	0	0	0	%100
23	MP4A	X	-4.326	-4.326	0	%100
24	MP4A	Z	0	0	0	%100
25	MP5A	X	-4.326	-4.326	0	%100
26	MP5A	Z	0	0	0	%100
27	MP1C	X	-4.326	-4.326	0	%100
28	MP1C	Z	0	0	0	%100
29	MP2C	X	-4.326	-4.326	0	%100
30	MP2C	Z	0	0	0	%100
31	MP3C	X	-4.12	-4.12	0	%100
32	MP3C	Z	0	0	0	%100
33	MP4C	X	-4.326	-4.326	0	%100
34	MP4C	Z	0	0	0	%100
35	MP5C	X	-4.326	-4.326	0	%100
36	MP5C	Z	0	0	0	%100
37	MP1B	X	-4.326	-4.326	0	%100
38	MP1B	Z	0	0	0	%100
39	MP2B	X	-4.326	-4.326	0	%100
40	MP2B	Z	0	0	0	%100
41	MP3B	X	-4.12	-4.12	0	%100
42	MP3B	Z	0	0	0	%100
43	MP4B	X	-4.326	-4.326	0	%100
44	MP4B	Z	0	0	0	%100
45	MP5B	X	-4.326	-4.326	0	%100
46	MP5B	Z	0	0	0	%100
47	M76	X	-2.126	-2.126	0	%100
48	M76	Z	0	0	0	%100
49	M78	X	0	0	0	%100
50	M78	Z	0	0	0	%100
51	M79	X	-8.676	-8.676	0	%100
52	M79	Z	0	0	0	%100
53	M80	X	-8.676	-8.676	0	%100
54	M80	Z	0	0	0	%100
55	M101	X	-3.138	-3.138	0	%100
56	M101	Z	0	0	0	%100
57	M102	X	0	0	0	%100
58	M102	Z	0	0	0	%100
59	M103	X	-3.138	-3.138	0	%100
60	M103	Z	0	0	0	%100
61	M104	X	-6.028	-6.028	0	%100
62	M104	Z	0	0	0	%100
63	M105	X	-3.004	-3.004	0	%100
64	M105	Z	0	0	0	%100
65	M106	X	-3.004	-3.004	0	%100
66	M106	Z	0	0	0	%100

Member Distributed Loads (BLC 63 : Structure Wi (300 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-3.603	-3.603	0	%100
2	M1	Z	-2.08	-2.08	0	%100
3	MP1A	X	-3.747	-3.747	0	%100
4	MP1A	Z	-2.163	-2.163	0	%100
5	M16	X	-3.603	-3.603	0	%100

Member Distributed Loads (BLC 63 : Structure Wi (300 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
6	M16	Z	-2.08	-2.08	0	%100
7	M29	X	0	0	0	%100
8	M29	Z	0	0	0	%100
9	M42	X	-1.223	-1.223	0	%100
10	M42	Z	-.706	-.706	0	%100
11	M43	X	-1.223	-1.223	0	%100
12	M43	Z	-.706	-.706	0	%100
13	M44	X	-4.893	-4.893	0	%100
14	M44	Z	-2.825	-2.825	0	%100
15	OVP1	X	-2.569	-2.569	0	%100
16	OVP1	Z	-1.483	-1.483	0	%100
17	OVP2	X	-2.569	-2.569	0	%100
18	OVP2	Z	-1.483	-1.483	0	%100
19	MP2A	X	-3.747	-3.747	0	%100
20	MP2A	Z	-2.163	-2.163	0	%100
21	MP3A	X	-3.568	-3.568	0	%100
22	MP3A	Z	-2.06	-2.06	0	%100
23	MP4A	X	-3.747	-3.747	0	%100
24	MP4A	Z	-2.163	-2.163	0	%100
25	MP5A	X	-3.747	-3.747	0	%100
26	MP5A	Z	-2.163	-2.163	0	%100
27	MP1C	X	-3.747	-3.747	0	%100
28	MP1C	Z	-2.163	-2.163	0	%100
29	MP2C	X	-3.747	-3.747	0	%100
30	MP2C	Z	-2.163	-2.163	0	%100
31	MP3C	X	-3.568	-3.568	0	%100
32	MP3C	Z	-2.06	-2.06	0	%100
33	MP4C	X	-3.747	-3.747	0	%100
34	MP4C	Z	-2.163	-2.163	0	%100
35	MP5C	X	-3.747	-3.747	0	%100
36	MP5C	Z	-2.163	-2.163	0	%100
37	MP1B	X	-3.747	-3.747	0	%100
38	MP1B	Z	-2.163	-2.163	0	%100
39	MP2B	X	-3.747	-3.747	0	%100
40	MP2B	Z	-2.163	-2.163	0	%100
41	MP3B	X	-3.568	-3.568	0	%100
42	MP3B	Z	-2.06	-2.06	0	%100
43	MP4B	X	-3.747	-3.747	0	%100
44	MP4B	Z	-2.163	-2.163	0	%100
45	MP5B	X	-3.747	-3.747	0	%100
46	MP5B	Z	-2.163	-2.163	0	%100
47	M76	X	-1.841	-1.841	0	%100
48	M76	Z	-1.063	-1.063	0	%100
49	M78	X	-2.505	-2.505	0	%100
50	M78	Z	-1.446	-1.446	0	%100
51	M79	X	-2.505	-2.505	0	%100
52	M79	Z	-1.446	-1.446	0	%100
53	M80	X	-10.019	-10.019	0	%100
54	M80	Z	-5.784	-5.784	0	%100
55	M101	X	-3.624	-3.624	0	%100
56	M101	Z	-2.092	-2.092	0	%100
57	M102	X	-.906	-.906	0	%100
58	M102	Z	-.523	-.523	0	%100
59	M103	X	-.906	-.906	0	%100
60	M103	Z	-.523	-.523	0	%100
61	M104	X	-4.348	-4.348	0	%100
62	M104	Z	-2.51	-2.51	0	%100

Member Distributed Loads (BLC 63 : Structure Wi (300 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
63	M105	X	-4.348	-4.348	0	%100
64	M105	Z	-2.51	-2.51	0	%100
65	M106	X	-1.729	-1.729	0	%100
66	M106	Z	-.998	-.998	0	%100

Member Distributed Loads (BLC 64 : Structure Wi (330 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.693	-.693	0	%100
2	M1	Z	-1.201	-1.201	0	%100
3	MP1A	X	-2.163	-2.163	0	%100
4	MP1A	Z	-3.747	-3.747	0	%100
5	M16	X	-2.773	-2.773	0	%100
6	M16	Z	-4.803	-4.803	0	%100
7	M29	X	-.693	-.693	0	%100
8	M29	Z	-1.201	-1.201	0	%100
9	M42	X	-2.119	-2.119	0	%100
10	M42	Z	-3.67	-3.67	0	%100
11	M43	X	0	0	0	%100
12	M43	Z	0	0	0	%100
13	M44	X	-2.119	-2.119	0	%100
14	M44	Z	-3.67	-3.67	0	%100
15	OVP1	X	-1.483	-1.483	0	%100
16	OVP1	Z	-2.569	-2.569	0	%100
17	OVP2	X	-1.483	-1.483	0	%100
18	OVP2	Z	-2.569	-2.569	0	%100
19	MP2A	X	-2.163	-2.163	0	%100
20	MP2A	Z	-3.747	-3.747	0	%100
21	MP3A	X	-2.06	-2.06	0	%100
22	MP3A	Z	-3.568	-3.568	0	%100
23	MP4A	X	-2.163	-2.163	0	%100
24	MP4A	Z	-3.747	-3.747	0	%100
25	MP5A	X	-2.163	-2.163	0	%100
26	MP5A	Z	-3.747	-3.747	0	%100
27	MP1C	X	-2.163	-2.163	0	%100
28	MP1C	Z	-3.747	-3.747	0	%100
29	MP2C	X	-2.163	-2.163	0	%100
30	MP2C	Z	-3.747	-3.747	0	%100
31	MP3C	X	-2.06	-2.06	0	%100
32	MP3C	Z	-3.568	-3.568	0	%100
33	MP4C	X	-2.163	-2.163	0	%100
34	MP4C	Z	-3.747	-3.747	0	%100
35	MP5C	X	-2.163	-2.163	0	%100
36	MP5C	Z	-3.747	-3.747	0	%100
37	MP1B	X	-2.163	-2.163	0	%100
38	MP1B	Z	-3.747	-3.747	0	%100
39	MP2B	X	-2.163	-2.163	0	%100
40	MP2B	Z	-3.747	-3.747	0	%100
41	MP3B	X	-2.06	-2.06	0	%100
42	MP3B	Z	-3.568	-3.568	0	%100
43	MP4B	X	-2.163	-2.163	0	%100
44	MP4B	Z	-3.747	-3.747	0	%100
45	MP5B	X	-2.163	-2.163	0	%100
46	MP5B	Z	-3.747	-3.747	0	%100
47	M76	X	-1.063	-1.063	0	%100
48	M76	Z	-1.841	-1.841	0	%100
49	M78	X	-4.338	-4.338	0	%100

Member Distributed Loads (BLC 64 : Structure Wi (330 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
50	M78	Z	-7.514	-7.514	0	%100
51	M79	X	0	0	0	%100
52	M79	Z	0	0	0	%100
53	M80	X	-4.338	-4.338	0	%100
54	M80	Z	-7.514	-7.514	0	%100
55	M101	X	-1.569	-1.569	0	%100
56	M101	Z	-2.718	-2.718	0	%100
57	M102	X	-1.569	-1.569	0	%100
58	M102	Z	-2.718	-2.718	0	%100
59	M103	X	0	0	0	%100
60	M103	Z	0	0	0	%100
61	M104	X	-1.502	-1.502	0	%100
62	M104	Z	-2.602	-2.602	0	%100
63	M105	X	-3.014	-3.014	0	%100
64	M105	Z	-5.22	-5.22	0	%100
65	M106	X	-1.502	-1.502	0	%100
66	M106	Z	-2.602	-2.602	0	%100

Member Distributed Loads (BLC 65 : Structure Wm (0 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	MP1A	X	0	0	0	%100
4	MP1A	Z	-.632	-.632	0	%100
5	M16	X	0	0	0	%100
6	M16	Z	-.803	-.803	0	%100
7	M29	X	0	0	0	%100
8	M29	Z	-.803	-.803	0	%100
9	M42	X	0	0	0	%100
10	M42	Z	-1.108	-1.108	0	%100
11	M43	X	0	0	0	%100
12	M43	Z	-.277	-.277	0	%100
13	M44	X	0	0	0	%100
14	M44	Z	-.277	-.277	0	%100
15	OVP1	X	0	0	0	%100
16	OVP1	Z	-.455	-.455	0	%100
17	OVP2	X	0	0	0	%100
18	OVP2	Z	-.455	-.455	0	%100
19	MP2A	X	0	0	0	%100
20	MP2A	Z	-.632	-.632	0	%100
21	MP3A	X	0	0	0	%100
22	MP3A	Z	-.632	-.632	0	%100
23	MP4A	X	0	0	0	%100
24	MP4A	Z	-.632	-.632	0	%100
25	MP5A	X	0	0	0	%100
26	MP5A	Z	-.632	-.632	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	-.632	-.632	0	%100
29	MP2C	X	0	0	0	%100
30	MP2C	Z	-.632	-.632	0	%100
31	MP3C	X	0	0	0	%100
32	MP3C	Z	-.632	-.632	0	%100
33	MP4C	X	0	0	0	%100
34	MP4C	Z	-.632	-.632	0	%100
35	MP5C	X	0	0	0	%100
36	MP5C	Z	-.632	-.632	0	%100

Member Distributed Loads (BLC 65 : Structure Wm (0 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	MP1B	X	0	0	0	%100
38	MP1B	Z	-.632	-.632	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	-.632	-.632	0	%100
41	MP3B	X	0	0	0	%100
42	MP3B	Z	-.632	-.632	0	%100
43	MP4B	X	0	0	0	%100
44	MP4B	Z	-.632	-.632	0	%100
45	MP5B	X	0	0	0	%100
46	MP5B	Z	-.632	-.632	0	%100
47	M76	X	0	0	0	%100
48	M76	Z	-.209	-.209	0	%100
49	M78	X	0	0	0	%100
50	M78	Z	-3.239	-3.239	0	%100
51	M79	X	0	0	0	%100
52	M79	Z	-.81	-.81	0	%100
53	M80	X	0	0	0	%100
54	M80	Z	-.81	-.81	0	%100
55	M101	X	0	0	0	%100
56	M101	Z	-.228	-.228	0	%100
57	M102	X	0	0	0	%100
58	M102	Z	-.914	-.914	0	%100
59	M103	X	0	0	0	%100
60	M103	Z	-.228	-.228	0	%100
61	M104	X	0	0	0	%100
62	M104	Z	-.51	-.51	0	%100
63	M105	X	0	0	0	%100
64	M105	Z	-1.113	-1.113	0	%100
65	M106	X	0	0	0	%100
66	M106	Z	-1.113	-1.113	0	%100

Member Distributed Loads (BLC 66 : Structure Wm (30 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.134	.134	0	%100
2	M1	Z	-.232	-.232	0	%100
3	MP1A	X	.316	.316	0	%100
4	MP1A	Z	-.547	-.547	0	%100
5	M16	X	.134	.134	0	%100
6	M16	Z	-.232	-.232	0	%100
7	M29	X	.535	.535	0	%100
8	M29	Z	-.927	-.927	0	%100
9	M42	X	.415	.415	0	%100
10	M42	Z	-.72	-.72	0	%100
11	M43	X	.415	.415	0	%100
12	M43	Z	-.72	-.72	0	%100
13	M44	X	0	0	0	%100
14	M44	Z	0	0	0	%100
15	OVP1	X	.227	.227	0	%100
16	OVP1	Z	-.394	-.394	0	%100
17	OVP2	X	.227	.227	0	%100
18	OVP2	Z	-.394	-.394	0	%100
19	MP2A	X	.316	.316	0	%100
20	MP2A	Z	-.547	-.547	0	%100
21	MP3A	X	.316	.316	0	%100
22	MP3A	Z	-.547	-.547	0	%100
23	MP4A	X	.316	.316	0	%100

Member Distributed Loads (BLC 66 : Structure Wm (30 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
24	MP4A	Z	-.547	-.547	0	%100
25	MP5A	X	.316	.316	0	%100
26	MP5A	Z	-.547	-.547	0	%100
27	MP1C	X	.316	.316	0	%100
28	MP1C	Z	-.547	-.547	0	%100
29	MP2C	X	.316	.316	0	%100
30	MP2C	Z	-.547	-.547	0	%100
31	MP3C	X	.316	.316	0	%100
32	MP3C	Z	-.547	-.547	0	%100
33	MP4C	X	.316	.316	0	%100
34	MP4C	Z	-.547	-.547	0	%100
35	MP5C	X	.316	.316	0	%100
36	MP5C	Z	-.547	-.547	0	%100
37	MP1B	X	.316	.316	0	%100
38	MP1B	Z	-.547	-.547	0	%100
39	MP2B	X	.316	.316	0	%100
40	MP2B	Z	-.547	-.547	0	%100
41	MP3B	X	.316	.316	0	%100
42	MP3B	Z	-.547	-.547	0	%100
43	MP4B	X	.316	.316	0	%100
44	MP4B	Z	-.547	-.547	0	%100
45	MP5B	X	.316	.316	0	%100
46	MP5B	Z	-.547	-.547	0	%100
47	M76	X	.105	.105	0	%100
48	M76	Z	-.181	-.181	0	%100
49	M78	X	1.215	1.215	0	%100
50	M78	Z	-2.104	-2.104	0	%100
51	M79	X	1.215	1.215	0	%100
52	M79	Z	-2.104	-2.104	0	%100
53	M80	X	0	0	0	%100
54	M80	Z	0	0	0	%100
55	M101	X	0	0	0	%100
56	M101	Z	0	0	0	%100
57	M102	X	.343	.343	0	%100
58	M102	Z	-.594	-.594	0	%100
59	M103	X	.343	.343	0	%100
60	M103	Z	-.594	-.594	0	%100
61	M104	X	.355	.355	0	%100
62	M104	Z	-.616	-.616	0	%100
63	M105	X	.355	.355	0	%100
64	M105	Z	-.616	-.616	0	%100
65	M106	X	.657	.657	0	%100
66	M106	Z	-1.138	-1.138	0	%100

Member Distributed Loads (BLC 67 : Structure Wm (60 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.696	.696	0	%100
2	M1	Z	-.402	-.402	0	%100
3	MP1A	X	.547	.547	0	%100
4	MP1A	Z	-.316	-.316	0	%100
5	M16	X	0	0	0	%100
6	M16	Z	0	0	0	%100
7	M29	X	.696	.696	0	%100
8	M29	Z	-.402	-.402	0	%100
9	M42	X	.24	.24	0	%100
10	M42	Z	-.138	-.138	0	%100

Member Distributed Loads (BLC 67 : Structure Wm (60 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
11	M43	X	.96	.96	0	%100
12	M43	Z	-.554	-.554	0	%100
13	M44	X	.24	.24	0	%100
14	M44	Z	-.138	-.138	0	%100
15	OVP1	X	.394	.394	0	%100
16	OVP1	Z	-.227	-.227	0	%100
17	OVP2	X	.394	.394	0	%100
18	OVP2	Z	-.227	-.227	0	%100
19	MP2A	X	.547	.547	0	%100
20	MP2A	Z	-.316	-.316	0	%100
21	MP3A	X	.547	.547	0	%100
22	MP3A	Z	-.316	-.316	0	%100
23	MP4A	X	.547	.547	0	%100
24	MP4A	Z	-.316	-.316	0	%100
25	MP5A	X	.547	.547	0	%100
26	MP5A	Z	-.316	-.316	0	%100
27	MP1C	X	.547	.547	0	%100
28	MP1C	Z	-.316	-.316	0	%100
29	MP2C	X	.547	.547	0	%100
30	MP2C	Z	-.316	-.316	0	%100
31	MP3C	X	.547	.547	0	%100
32	MP3C	Z	-.316	-.316	0	%100
33	MP4C	X	.547	.547	0	%100
34	MP4C	Z	-.316	-.316	0	%100
35	MP5C	X	.547	.547	0	%100
36	MP5C	Z	-.316	-.316	0	%100
37	MP1B	X	.547	.547	0	%100
38	MP1B	Z	-.316	-.316	0	%100
39	MP2B	X	.547	.547	0	%100
40	MP2B	Z	-.316	-.316	0	%100
41	MP3B	X	.547	.547	0	%100
42	MP3B	Z	-.316	-.316	0	%100
43	MP4B	X	.547	.547	0	%100
44	MP4B	Z	-.316	-.316	0	%100
45	MP5B	X	.547	.547	0	%100
46	MP5B	Z	-.316	-.316	0	%100
47	M76	X	.181	.181	0	%100
48	M76	Z	-.105	-.105	0	%100
49	M78	X	.701	.701	0	%100
50	M78	Z	-.405	-.405	0	%100
51	M79	X	2.805	2.805	0	%100
52	M79	Z	-1.619	-1.619	0	%100
53	M80	X	.701	.701	0	%100
54	M80	Z	-.405	-.405	0	%100
55	M101	X	.198	.198	0	%100
56	M101	Z	-.114	-.114	0	%100
57	M102	X	.198	.198	0	%100
58	M102	Z	-.114	-.114	0	%100
59	M103	X	.792	.792	0	%100
60	M103	Z	-.457	-.457	0	%100
61	M104	X	.964	.964	0	%100
62	M104	Z	-.556	-.556	0	%100
63	M105	X	.441	.441	0	%100
64	M105	Z	-.255	-.255	0	%100
65	M106	X	.964	.964	0	%100
66	M106	Z	-.556	-.556	0	%100

Member Distributed Loads (BLC 68 : Structure Wm (90 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.071	1.071	0	%100
2	M1	Z	0	0	0	%100
3	MP1A	X	.632	.632	0	%100
4	MP1A	Z	0	0	0	%100
5	M16	X	.268	.268	0	%100
6	M16	Z	0	0	0	%100
7	M29	X	.268	.268	0	%100
8	M29	Z	0	0	0	%100
9	M42	X	0	0	0	%100
10	M42	Z	0	0	0	%100
11	M43	X	.831	.831	0	%100
12	M43	Z	0	0	0	%100
13	M44	X	.831	.831	0	%100
14	M44	Z	0	0	0	%100
15	OVP1	X	.455	.455	0	%100
16	OVP1	Z	0	0	0	%100
17	OVP2	X	.455	.455	0	%100
18	OVP2	Z	0	0	0	%100
19	MP2A	X	.632	.632	0	%100
20	MP2A	Z	0	0	0	%100
21	MP3A	X	.632	.632	0	%100
22	MP3A	Z	0	0	0	%100
23	MP4A	X	.632	.632	0	%100
24	MP4A	Z	0	0	0	%100
25	MP5A	X	.632	.632	0	%100
26	MP5A	Z	0	0	0	%100
27	MP1C	X	.632	.632	0	%100
28	MP1C	Z	0	0	0	%100
29	MP2C	X	.632	.632	0	%100
30	MP2C	Z	0	0	0	%100
31	MP3C	X	.632	.632	0	%100
32	MP3C	Z	0	0	0	%100
33	MP4C	X	.632	.632	0	%100
34	MP4C	Z	0	0	0	%100
35	MP5C	X	.632	.632	0	%100
36	MP5C	Z	0	0	0	%100
37	MP1B	X	.632	.632	0	%100
38	MP1B	Z	0	0	0	%100
39	MP2B	X	.632	.632	0	%100
40	MP2B	Z	0	0	0	%100
41	MP3B	X	.632	.632	0	%100
42	MP3B	Z	0	0	0	%100
43	MP4B	X	.632	.632	0	%100
44	MP4B	Z	0	0	0	%100
45	MP5B	X	.632	.632	0	%100
46	MP5B	Z	0	0	0	%100
47	M76	X	.209	.209	0	%100
48	M76	Z	0	0	0	%100
49	M78	X	0	0	0	%100
50	M78	Z	0	0	0	%100
51	M79	X	2.429	2.429	0	%100
52	M79	Z	0	0	0	%100
53	M80	X	2.429	2.429	0	%100
54	M80	Z	0	0	0	%100
55	M101	X	.685	.685	0	%100
56	M101	Z	0	0	0	%100
57	M102	X	0	0	0	%100

Member Distributed Loads (BLC 68 : Structure Wm (90 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M102	Z	0	0	0	%100
59	M103	X	.685	.685	0	%100
60	M103	Z	0	0	0	%100
61	M104	X	1.314	1.314	0	%100
62	M104	Z	0	0	0	%100
63	M105	X	.711	.711	0	%100
64	M105	Z	0	0	0	%100
65	M106	X	.711	.711	0	%100
66	M106	Z	0	0	0	%100

Member Distributed Loads (BLC 69 : Structure Wm (120 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.696	.696	0	%100
2	M1	Z	.402	.402	0	%100
3	MP1A	X	.547	.547	0	%100
4	MP1A	Z	.316	.316	0	%100
5	M16	X	.696	.696	0	%100
6	M16	Z	.402	.402	0	%100
7	M29	X	0	0	0	%100
8	M29	Z	0	0	0	%100
9	M42	X	.24	.24	0	%100
10	M42	Z	.138	.138	0	%100
11	M43	X	.24	.24	0	%100
12	M43	Z	.138	.138	0	%100
13	M44	X	.96	.96	0	%100
14	M44	Z	.554	.554	0	%100
15	OVP1	X	.394	.394	0	%100
16	OVP1	Z	.227	.227	0	%100
17	OVP2	X	.394	.394	0	%100
18	OVP2	Z	.227	.227	0	%100
19	MP2A	X	.547	.547	0	%100
20	MP2A	Z	.316	.316	0	%100
21	MP3A	X	.547	.547	0	%100
22	MP3A	Z	.316	.316	0	%100
23	MP4A	X	.547	.547	0	%100
24	MP4A	Z	.316	.316	0	%100
25	MP5A	X	.547	.547	0	%100
26	MP5A	Z	.316	.316	0	%100
27	MP1C	X	.547	.547	0	%100
28	MP1C	Z	.316	.316	0	%100
29	MP2C	X	.547	.547	0	%100
30	MP2C	Z	.316	.316	0	%100
31	MP3C	X	.547	.547	0	%100
32	MP3C	Z	.316	.316	0	%100
33	MP4C	X	.547	.547	0	%100
34	MP4C	Z	.316	.316	0	%100
35	MP5C	X	.547	.547	0	%100
36	MP5C	Z	.316	.316	0	%100
37	MP1B	X	.547	.547	0	%100
38	MP1B	Z	.316	.316	0	%100
39	MP2B	X	.547	.547	0	%100
40	MP2B	Z	.316	.316	0	%100
41	MP3B	X	.547	.547	0	%100
42	MP3B	Z	.316	.316	0	%100
43	MP4B	X	.547	.547	0	%100
44	MP4B	Z	.316	.316	0	%100

Member Distributed Loads (BLC 69 : Structure Wm (120 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
45	MP5B	X	.547	.547	0	%100
46	MP5B	Z	.316	.316	0	%100
47	M76	X	.181	.181	0	%100
48	M76	Z	.105	.105	0	%100
49	M78	X	.701	.701	0	%100
50	M78	Z	.405	.405	0	%100
51	M79	X	.701	.701	0	%100
52	M79	Z	.405	.405	0	%100
53	M80	X	2.805	2.805	0	%100
54	M80	Z	1.619	1.619	0	%100
55	M101	X	.792	.792	0	%100
56	M101	Z	.457	.457	0	%100
57	M102	X	.198	.198	0	%100
58	M102	Z	.114	.114	0	%100
59	M103	X	.198	.198	0	%100
60	M103	Z	.114	.114	0	%100
61	M104	X	.964	.964	0	%100
62	M104	Z	.556	.556	0	%100
63	M105	X	.964	.964	0	%100
64	M105	Z	.556	.556	0	%100
65	M106	X	.441	.441	0	%100
66	M106	Z	.255	.255	0	%100

Member Distributed Loads (BLC 70 : Structure Wm (150 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.134	.134	0	%100
2	M1	Z	.232	.232	0	%100
3	MP1A	X	.316	.316	0	%100
4	MP1A	Z	.547	.547	0	%100
5	M16	X	.535	.535	0	%100
6	M16	Z	.927	.927	0	%100
7	M29	X	.134	.134	0	%100
8	M29	Z	.232	.232	0	%100
9	M42	X	.415	.415	0	%100
10	M42	Z	.72	.72	0	%100
11	M43	X	0	0	0	%100
12	M43	Z	0	0	0	%100
13	M44	X	.415	.415	0	%100
14	M44	Z	.72	.72	0	%100
15	OVP1	X	.227	.227	0	%100
16	OVP1	Z	.394	.394	0	%100
17	OVP2	X	.227	.227	0	%100
18	OVP2	Z	.394	.394	0	%100
19	MP2A	X	.316	.316	0	%100
20	MP2A	Z	.547	.547	0	%100
21	MP3A	X	.316	.316	0	%100
22	MP3A	Z	.547	.547	0	%100
23	MP4A	X	.316	.316	0	%100
24	MP4A	Z	.547	.547	0	%100
25	MP5A	X	.316	.316	0	%100
26	MP5A	Z	.547	.547	0	%100
27	MP1C	X	.316	.316	0	%100
28	MP1C	Z	.547	.547	0	%100
29	MP2C	X	.316	.316	0	%100
30	MP2C	Z	.547	.547	0	%100
31	MP3C	X	.316	.316	0	%100

Member Distributed Loads (BLC 70 : Structure Wm (150 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
32	MP3C	Z	.547	.547	0	%100
33	MP4C	X	.316	.316	0	%100
34	MP4C	Z	.547	.547	0	%100
35	MP5C	X	.316	.316	0	%100
36	MP5C	Z	.547	.547	0	%100
37	MP1B	X	.316	.316	0	%100
38	MP1B	Z	.547	.547	0	%100
39	MP2B	X	.316	.316	0	%100
40	MP2B	Z	.547	.547	0	%100
41	MP3B	X	.316	.316	0	%100
42	MP3B	Z	.547	.547	0	%100
43	MP4B	X	.316	.316	0	%100
44	MP4B	Z	.547	.547	0	%100
45	MP5B	X	.316	.316	0	%100
46	MP5B	Z	.547	.547	0	%100
47	M76	X	.105	.105	0	%100
48	M76	Z	.181	.181	0	%100
49	M78	X	1.215	1.215	0	%100
50	M78	Z	2.104	2.104	0	%100
51	M79	X	0	0	0	%100
52	M79	Z	0	0	0	%100
53	M80	X	1.215	1.215	0	%100
54	M80	Z	2.104	2.104	0	%100
55	M101	X	.343	.343	0	%100
56	M101	Z	.594	.594	0	%100
57	M102	X	.343	.343	0	%100
58	M102	Z	.594	.594	0	%100
59	M103	X	0	0	0	%100
60	M103	Z	0	0	0	%100
61	M104	X	.355	.355	0	%100
62	M104	Z	.616	.616	0	%100
63	M105	X	.657	.657	0	%100
64	M105	Z	1.138	1.138	0	%100
65	M106	X	.355	.355	0	%100
66	M106	Z	.616	.616	0	%100

Member Distributed Loads (BLC 71 : Structure Wm (180 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	MP1A	X	0	0	0	%100
4	MP1A	Z	.632	.632	0	%100
5	M16	X	0	0	0	%100
6	M16	Z	.803	.803	0	%100
7	M29	X	0	0	0	%100
8	M29	Z	.803	.803	0	%100
9	M42	X	0	0	0	%100
10	M42	Z	1.108	1.108	0	%100
11	M43	X	0	0	0	%100
12	M43	Z	.277	.277	0	%100
13	M44	X	0	0	0	%100
14	M44	Z	.277	.277	0	%100
15	OVP1	X	0	0	0	%100
16	OVP1	Z	.455	.455	0	%100
17	OVP2	X	0	0	0	%100
18	OVP2	Z	.455	.455	0	%100

Member Distributed Loads (BLC 71 : Structure Wm (180 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	MP2A	X	0	0	0	%100
20	MP2A	Z	.632	.632	0	%100
21	MP3A	X	0	0	0	%100
22	MP3A	Z	.632	.632	0	%100
23	MP4A	X	0	0	0	%100
24	MP4A	Z	.632	.632	0	%100
25	MP5A	X	0	0	0	%100
26	MP5A	Z	.632	.632	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	.632	.632	0	%100
29	MP2C	X	0	0	0	%100
30	MP2C	Z	.632	.632	0	%100
31	MP3C	X	0	0	0	%100
32	MP3C	Z	.632	.632	0	%100
33	MP4C	X	0	0	0	%100
34	MP4C	Z	.632	.632	0	%100
35	MP5C	X	0	0	0	%100
36	MP5C	Z	.632	.632	0	%100
37	MP1B	X	0	0	0	%100
38	MP1B	Z	.632	.632	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	.632	.632	0	%100
41	MP3B	X	0	0	0	%100
42	MP3B	Z	.632	.632	0	%100
43	MP4B	X	0	0	0	%100
44	MP4B	Z	.632	.632	0	%100
45	MP5B	X	0	0	0	%100
46	MP5B	Z	.632	.632	0	%100
47	M76	X	0	0	0	%100
48	M76	Z	.209	.209	0	%100
49	M78	X	0	0	0	%100
50	M78	Z	3.239	3.239	0	%100
51	M79	X	0	0	0	%100
52	M79	Z	.81	.81	0	%100
53	M80	X	0	0	0	%100
54	M80	Z	.81	.81	0	%100
55	M101	X	0	0	0	%100
56	M101	Z	.228	.228	0	%100
57	M102	X	0	0	0	%100
58	M102	Z	.914	.914	0	%100
59	M103	X	0	0	0	%100
60	M103	Z	.228	.228	0	%100
61	M104	X	0	0	0	%100
62	M104	Z	.51	.51	0	%100
63	M105	X	0	0	0	%100
64	M105	Z	1.113	1.113	0	%100
65	M106	X	0	0	0	%100
66	M106	Z	1.113	1.113	0	%100

Member Distributed Loads (BLC 72 : Structure Wm (210 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.134	-.134	0	%100
2	M1	Z	.232	.232	0	%100
3	MP1A	X	-.316	-.316	0	%100
4	MP1A	Z	.547	.547	0	%100
5	M16	X	-.134	-.134	0	%100

Member Distributed Loads (BLC 72 : Structure Wm (210 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
6	M16	Z	.232	.232	0	%100
7	M29	X	-.535	-.535	0	%100
8	M29	Z	.927	.927	0	%100
9	M42	X	-.415	-.415	0	%100
10	M42	Z	.72	.72	0	%100
11	M43	X	-.415	-.415	0	%100
12	M43	Z	.72	.72	0	%100
13	M44	X	0	0	0	%100
14	M44	Z	0	0	0	%100
15	OVP1	X	-.227	-.227	0	%100
16	OVP1	Z	.394	.394	0	%100
17	OVP2	X	-.227	-.227	0	%100
18	OVP2	Z	.394	.394	0	%100
19	MP2A	X	-.316	-.316	0	%100
20	MP2A	Z	.547	.547	0	%100
21	MP3A	X	-.316	-.316	0	%100
22	MP3A	Z	.547	.547	0	%100
23	MP4A	X	-.316	-.316	0	%100
24	MP4A	Z	.547	.547	0	%100
25	MP5A	X	-.316	-.316	0	%100
26	MP5A	Z	.547	.547	0	%100
27	MP1C	X	-.316	-.316	0	%100
28	MP1C	Z	.547	.547	0	%100
29	MP2C	X	-.316	-.316	0	%100
30	MP2C	Z	.547	.547	0	%100
31	MP3C	X	-.316	-.316	0	%100
32	MP3C	Z	.547	.547	0	%100
33	MP4C	X	-.316	-.316	0	%100
34	MP4C	Z	.547	.547	0	%100
35	MP5C	X	-.316	-.316	0	%100
36	MP5C	Z	.547	.547	0	%100
37	MP1B	X	-.316	-.316	0	%100
38	MP1B	Z	.547	.547	0	%100
39	MP2B	X	-.316	-.316	0	%100
40	MP2B	Z	.547	.547	0	%100
41	MP3B	X	-.316	-.316	0	%100
42	MP3B	Z	.547	.547	0	%100
43	MP4B	X	-.316	-.316	0	%100
44	MP4B	Z	.547	.547	0	%100
45	MP5B	X	-.316	-.316	0	%100
46	MP5B	Z	.547	.547	0	%100
47	M76	X	-.105	-.105	0	%100
48	M76	Z	.181	.181	0	%100
49	M78	X	-1.215	-1.215	0	%100
50	M78	Z	2.104	2.104	0	%100
51	M79	X	-1.215	-1.215	0	%100
52	M79	Z	2.104	2.104	0	%100
53	M80	X	0	0	0	%100
54	M80	Z	0	0	0	%100
55	M101	X	0	0	0	%100
56	M101	Z	0	0	0	%100
57	M102	X	-.343	-.343	0	%100
58	M102	Z	.594	.594	0	%100
59	M103	X	-.343	-.343	0	%100
60	M103	Z	.594	.594	0	%100
61	M104	X	-.355	-.355	0	%100
62	M104	Z	.616	.616	0	%100

Member Distributed Loads (BLC 72 : Structure Wm (210 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
63	M105	X	-.355	-.355	0	%100
64	M105	Z	.616	.616	0	%100
65	M106	X	-.657	-.657	0	%100
66	M106	Z	1.138	1.138	0	%100

Member Distributed Loads (BLC 73 : Structure Wm (240 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.696	-.696	0	%100
2	M1	Z	.402	.402	0	%100
3	MP1A	X	-.547	-.547	0	%100
4	MP1A	Z	.316	.316	0	%100
5	M16	X	0	0	0	%100
6	M16	Z	0	0	0	%100
7	M29	X	-.696	-.696	0	%100
8	M29	Z	.402	.402	0	%100
9	M42	X	-.24	-.24	0	%100
10	M42	Z	.138	.138	0	%100
11	M43	X	-.96	-.96	0	%100
12	M43	Z	.554	.554	0	%100
13	M44	X	-.24	-.24	0	%100
14	M44	Z	.138	.138	0	%100
15	OVP1	X	-.394	-.394	0	%100
16	OVP1	Z	.227	.227	0	%100
17	OVP2	X	-.394	-.394	0	%100
18	OVP2	Z	.227	.227	0	%100
19	MP2A	X	-.547	-.547	0	%100
20	MP2A	Z	.316	.316	0	%100
21	MP3A	X	-.547	-.547	0	%100
22	MP3A	Z	.316	.316	0	%100
23	MP4A	X	-.547	-.547	0	%100
24	MP4A	Z	.316	.316	0	%100
25	MP5A	X	-.547	-.547	0	%100
26	MP5A	Z	.316	.316	0	%100
27	MP1C	X	-.547	-.547	0	%100
28	MP1C	Z	.316	.316	0	%100
29	MP2C	X	-.547	-.547	0	%100
30	MP2C	Z	.316	.316	0	%100
31	MP3C	X	-.547	-.547	0	%100
32	MP3C	Z	.316	.316	0	%100
33	MP4C	X	-.547	-.547	0	%100
34	MP4C	Z	.316	.316	0	%100
35	MP5C	X	-.547	-.547	0	%100
36	MP5C	Z	.316	.316	0	%100
37	MP1B	X	-.547	-.547	0	%100
38	MP1B	Z	.316	.316	0	%100
39	MP2B	X	-.547	-.547	0	%100
40	MP2B	Z	.316	.316	0	%100
41	MP3B	X	-.547	-.547	0	%100
42	MP3B	Z	.316	.316	0	%100
43	MP4B	X	-.547	-.547	0	%100
44	MP4B	Z	.316	.316	0	%100
45	MP5B	X	-.547	-.547	0	%100
46	MP5B	Z	.316	.316	0	%100
47	M76	X	-.181	-.181	0	%100
48	M76	Z	.105	.105	0	%100
49	M78	X	-.701	-.701	0	%100

Member Distributed Loads (BLC 73 : Structure Wm (240 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
50	M78	Z	.405	.405	0	%100
51	M79	X	-2.805	-2.805	0	%100
52	M79	Z	1.619	1.619	0	%100
53	M80	X	-.701	-.701	0	%100
54	M80	Z	.405	.405	0	%100
55	M101	X	-.198	-.198	0	%100
56	M101	Z	.114	.114	0	%100
57	M102	X	-.198	-.198	0	%100
58	M102	Z	.114	.114	0	%100
59	M103	X	-.792	-.792	0	%100
60	M103	Z	.457	.457	0	%100
61	M104	X	-.964	-.964	0	%100
62	M104	Z	.556	.556	0	%100
63	M105	X	-.441	-.441	0	%100
64	M105	Z	.255	.255	0	%100
65	M106	X	-.964	-.964	0	%100
66	M106	Z	.556	.556	0	%100

Member Distributed Loads (BLC 74 : Structure Wm (270 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.071	-1.071	0	%100
2	M1	Z	0	0	0	%100
3	MP1A	X	-.632	-.632	0	%100
4	MP1A	Z	0	0	0	%100
5	M16	X	-.268	-.268	0	%100
6	M16	Z	0	0	0	%100
7	M29	X	-.268	-.268	0	%100
8	M29	Z	0	0	0	%100
9	M42	X	0	0	0	%100
10	M42	Z	0	0	0	%100
11	M43	X	-.831	-.831	0	%100
12	M43	Z	0	0	0	%100
13	M44	X	-.831	-.831	0	%100
14	M44	Z	0	0	0	%100
15	OVP1	X	-.455	-.455	0	%100
16	OVP1	Z	0	0	0	%100
17	OVP2	X	-.455	-.455	0	%100
18	OVP2	Z	0	0	0	%100
19	MP2A	X	-.632	-.632	0	%100
20	MP2A	Z	0	0	0	%100
21	MP3A	X	-.632	-.632	0	%100
22	MP3A	Z	0	0	0	%100
23	MP4A	X	-.632	-.632	0	%100
24	MP4A	Z	0	0	0	%100
25	MP5A	X	-.632	-.632	0	%100
26	MP5A	Z	0	0	0	%100
27	MP1C	X	-.632	-.632	0	%100
28	MP1C	Z	0	0	0	%100
29	MP2C	X	-.632	-.632	0	%100
30	MP2C	Z	0	0	0	%100
31	MP3C	X	-.632	-.632	0	%100
32	MP3C	Z	0	0	0	%100
33	MP4C	X	-.632	-.632	0	%100
34	MP4C	Z	0	0	0	%100
35	MP5C	X	-.632	-.632	0	%100
36	MP5C	Z	0	0	0	%100

Member Distributed Loads (BLC 74 : Structure Wm (270 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	MP1B	X	-.632	-.632	0	%100
38	MP1B	Z	0	0	0	%100
39	MP2B	X	-.632	-.632	0	%100
40	MP2B	Z	0	0	0	%100
41	MP3B	X	-.632	-.632	0	%100
42	MP3B	Z	0	0	0	%100
43	MP4B	X	-.632	-.632	0	%100
44	MP4B	Z	0	0	0	%100
45	MP5B	X	-.632	-.632	0	%100
46	MP5B	Z	0	0	0	%100
47	M76	X	-.209	-.209	0	%100
48	M76	Z	0	0	0	%100
49	M78	X	0	0	0	%100
50	M78	Z	0	0	0	%100
51	M79	X	-2.429	-2.429	0	%100
52	M79	Z	0	0	0	%100
53	M80	X	-2.429	-2.429	0	%100
54	M80	Z	0	0	0	%100
55	M101	X	-.685	-.685	0	%100
56	M101	Z	0	0	0	%100
57	M102	X	0	0	0	%100
58	M102	Z	0	0	0	%100
59	M103	X	-.685	-.685	0	%100
60	M103	Z	0	0	0	%100
61	M104	X	-1.314	-1.314	0	%100
62	M104	Z	0	0	0	%100
63	M105	X	-.711	-.711	0	%100
64	M105	Z	0	0	0	%100
65	M106	X	-.711	-.711	0	%100
66	M106	Z	0	0	0	%100

Member Distributed Loads (BLC 75 : Structure Wm (300 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.696	-.696	0	%100
2	M1	Z	-.402	-.402	0	%100
3	MP1A	X	-.547	-.547	0	%100
4	MP1A	Z	-.316	-.316	0	%100
5	M16	X	-.696	-.696	0	%100
6	M16	Z	-.402	-.402	0	%100
7	M29	X	0	0	0	%100
8	M29	Z	0	0	0	%100
9	M42	X	-.24	-.24	0	%100
10	M42	Z	-.138	-.138	0	%100
11	M43	X	-.24	-.24	0	%100
12	M43	Z	-.138	-.138	0	%100
13	M44	X	-.96	-.96	0	%100
14	M44	Z	-.554	-.554	0	%100
15	OVP1	X	-.394	-.394	0	%100
16	OVP1	Z	-.227	-.227	0	%100
17	OVP2	X	-.394	-.394	0	%100
18	OVP2	Z	-.227	-.227	0	%100
19	MP2A	X	-.547	-.547	0	%100
20	MP2A	Z	-.316	-.316	0	%100
21	MP3A	X	-.547	-.547	0	%100
22	MP3A	Z	-.316	-.316	0	%100
23	MP4A	X	-.547	-.547	0	%100

Member Distributed Loads (BLC 75 : Structure Wm (300 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
24	MP4A	Z	-.316	-.316	0	%100
25	MP5A	X	-.547	-.547	0	%100
26	MP5A	Z	-.316	-.316	0	%100
27	MP1C	X	-.547	-.547	0	%100
28	MP1C	Z	-.316	-.316	0	%100
29	MP2C	X	-.547	-.547	0	%100
30	MP2C	Z	-.316	-.316	0	%100
31	MP3C	X	-.547	-.547	0	%100
32	MP3C	Z	-.316	-.316	0	%100
33	MP4C	X	-.547	-.547	0	%100
34	MP4C	Z	-.316	-.316	0	%100
35	MP5C	X	-.547	-.547	0	%100
36	MP5C	Z	-.316	-.316	0	%100
37	MP1B	X	-.547	-.547	0	%100
38	MP1B	Z	-.316	-.316	0	%100
39	MP2B	X	-.547	-.547	0	%100
40	MP2B	Z	-.316	-.316	0	%100
41	MP3B	X	-.547	-.547	0	%100
42	MP3B	Z	-.316	-.316	0	%100
43	MP4B	X	-.547	-.547	0	%100
44	MP4B	Z	-.316	-.316	0	%100
45	MP5B	X	-.547	-.547	0	%100
46	MP5B	Z	-.316	-.316	0	%100
47	M76	X	-.181	-.181	0	%100
48	M76	Z	-.105	-.105	0	%100
49	M78	X	-.701	-.701	0	%100
50	M78	Z	-.405	-.405	0	%100
51	M79	X	-.701	-.701	0	%100
52	M79	Z	-.405	-.405	0	%100
53	M80	X	-2.805	-2.805	0	%100
54	M80	Z	-1.619	-1.619	0	%100
55	M101	X	-.792	-.792	0	%100
56	M101	Z	-.457	-.457	0	%100
57	M102	X	-.198	-.198	0	%100
58	M102	Z	-.114	-.114	0	%100
59	M103	X	-.198	-.198	0	%100
60	M103	Z	-.114	-.114	0	%100
61	M104	X	-.964	-.964	0	%100
62	M104	Z	-.556	-.556	0	%100
63	M105	X	-.964	-.964	0	%100
64	M105	Z	-.556	-.556	0	%100
65	M106	X	-.441	-.441	0	%100
66	M106	Z	-.255	-.255	0	%100

Member Distributed Loads (BLC 76 : Structure Wm (330 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.134	-.134	0	%100
2	M1	Z	-.232	-.232	0	%100
3	MP1A	X	-.316	-.316	0	%100
4	MP1A	Z	-.547	-.547	0	%100
5	M16	X	-.535	-.535	0	%100
6	M16	Z	-.927	-.927	0	%100
7	M29	X	-.134	-.134	0	%100
8	M29	Z	-.232	-.232	0	%100
9	M42	X	-.415	-.415	0	%100
10	M42	Z	-.72	-.72	0	%100

Member Distributed Loads (BLC 76 : Structure Wm (330 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
11	M43	X	0	0	0	%100
12	M43	Z	0	0	0	%100
13	M44	X	-.415	-.415	0	%100
14	M44	Z	-.72	-.72	0	%100
15	OVP1	X	-.227	-.227	0	%100
16	OVP1	Z	-.394	-.394	0	%100
17	OVP2	X	-.227	-.227	0	%100
18	OVP2	Z	-.394	-.394	0	%100
19	MP2A	X	-.316	-.316	0	%100
20	MP2A	Z	-.547	-.547	0	%100
21	MP3A	X	-.316	-.316	0	%100
22	MP3A	Z	-.547	-.547	0	%100
23	MP4A	X	-.316	-.316	0	%100
24	MP4A	Z	-.547	-.547	0	%100
25	MP5A	X	-.316	-.316	0	%100
26	MP5A	Z	-.547	-.547	0	%100
27	MP1C	X	-.316	-.316	0	%100
28	MP1C	Z	-.547	-.547	0	%100
29	MP2C	X	-.316	-.316	0	%100
30	MP2C	Z	-.547	-.547	0	%100
31	MP3C	X	-.316	-.316	0	%100
32	MP3C	Z	-.547	-.547	0	%100
33	MP4C	X	-.316	-.316	0	%100
34	MP4C	Z	-.547	-.547	0	%100
35	MP5C	X	-.316	-.316	0	%100
36	MP5C	Z	-.547	-.547	0	%100
37	MP1B	X	-.316	-.316	0	%100
38	MP1B	Z	-.547	-.547	0	%100
39	MP2B	X	-.316	-.316	0	%100
40	MP2B	Z	-.547	-.547	0	%100
41	MP3B	X	-.316	-.316	0	%100
42	MP3B	Z	-.547	-.547	0	%100
43	MP4B	X	-.316	-.316	0	%100
44	MP4B	Z	-.547	-.547	0	%100
45	MP5B	X	-.316	-.316	0	%100
46	MP5B	Z	-.547	-.547	0	%100
47	M76	X	-.105	-.105	0	%100
48	M76	Z	-.181	-.181	0	%100
49	M78	X	-1.215	-1.215	0	%100
50	M78	Z	-2.104	-2.104	0	%100
51	M79	X	0	0	0	%100
52	M79	Z	0	0	0	%100
53	M80	X	-1.215	-1.215	0	%100
54	M80	Z	-2.104	-2.104	0	%100
55	M101	X	-.343	-.343	0	%100
56	M101	Z	-.594	-.594	0	%100
57	M102	X	-.343	-.343	0	%100
58	M102	Z	-.594	-.594	0	%100
59	M103	X	0	0	0	%100
60	M103	Z	0	0	0	%100
61	M104	X	-.355	-.355	0	%100
62	M104	Z	-.616	-.616	0	%100
63	M105	X	-.657	-.657	0	%100
64	M105	Z	-1.138	-1.138	0	%100
65	M106	X	-.355	-.355	0	%100
66	M106	Z	-.616	-.616	0	%100

Member Distributed Loads (BLC 81 : BLC 39 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	3.733e-15	-44.465	3.046	3.807
2	M1	Y	-44.465	-48.364	3.807	4.569
3	M1	Y	-48.364	-56.74	4.569	5.33
4	M1	Y	-56.74	-52.84	5.33	6.092
5	M1	Y	-52.84	3.733e-15	6.092	6.853
6	M16	Y	-.441	-46.509	3.046	3.807
7	M16	Y	-46.509	-50.509	3.807	4.569
8	M16	Y	-50.509	-56.823	4.569	5.33
9	M16	Y	-56.823	-55.031	5.33	6.092
10	M16	Y	-55.031	-.441	6.092	6.853
11	M29	Y	0	-44.841	3.046	3.807
12	M29	Y	-44.841	-48.762	3.807	4.569
13	M29	Y	-48.762	-57.218	4.569	5.33
14	M29	Y	-57.218	-53.297	5.33	6.092
15	M29	Y	-53.297	0	6.092	6.853

Member Distributed Loads (BLC 82 : BLC 40 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-1.493e-14	-79.79	3.046	3.807
2	M1	Y	-79.79	-86.786	3.807	4.569
3	M1	Y	-86.786	-101.816	4.569	5.33
4	M1	Y	-101.816	-94.819	5.33	6.092
5	M1	Y	-94.819	-1.493e-14	6.092	6.853
6	M16	Y	-.785	-83.424	3.046	3.807
7	M16	Y	-83.424	-90.599	3.807	4.569
8	M16	Y	-90.599	-101.965	4.569	5.33
9	M16	Y	-101.965	-98.713	5.33	6.092
10	M16	Y	-98.713	-.785	6.092	6.853
11	M29	Y	0	-79.718	3.046	3.807
12	M29	Y	-79.718	-86.688	3.807	4.569
13	M29	Y	-86.688	-101.72	4.569	5.33
14	M29	Y	-101.72	-94.75	5.33	6.092
15	M29	Y	-94.75	0	6.092	6.853

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N102	N103	N20	N5	Y	A-B	-.009
2	N5	N32	N104	N102	Y	A-B	-.009
3	N103	N104	N32	N22	Y	A-B	-.009

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N102	N103	N20	N5	Y	A-B	-.016
2	N5	N32	N104	N102	Y	A-B	-.016
3	N103	N104	N32	N22	Y	A-B	-.016

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N3	max	888.473	10	165.24	13	5747.734	1	.42	13	2.348	4	0	51
2		min	-889.38	4	62.176	8	-3272.662	7	.075	7	-2.348	10	0	1
3	N17	max	5140.734	9	235.34	14	1600.826	3	.078	12	2.864	12	-.034	5
4		min	-2868.757	3	69.278	8	-2911.374	9	-.377	19	-2.866	6	-.452	23
5	N29	max	3013.917	11	279.459	22	1740.926	11	.071	2	2.612	8	.51	15

Envelope Joint Reactions (Continued)

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
6		min	-5218.322	5	58.406	50	-3010.745	5	-.342	20	-2.614	2	.089	9
7	N154	max	55.171	10	3592.105	13	-1484.03	7	0	51	0	51	0	51
8		min	-55.176	4	857.141	7	-6187.094	13	0	1	0	1	0	1
9	N155	max	-1286.508	3	3880.108	21	3347.394	21	0	51	0	51	0	51
10		min	-5798.122	21	858.004	3	742.809	3	0	1	0	1	0	1
11	N156	max	5503.97	17	3687.426	17	3177.243	17	0	51	0	51	0	51
12		min	1223.3	11	816.704	11	706.839	11	0	1	0	1	0	1
13	Totals:	max	7369.746	10	11628.486	16	7464.65	1						
14		min	-7369.746	4	3742.391	10	-7464.649	7						

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

	Member	Shape	Code Che...	Loc[ft]	LC	Shear...	Loc[ft]	Dir	LC	phi*Pn...	phi*Pnt...	phi*Mn...	phi*Mn...	Cb	Eqn
1	M1	HSS4X4X4	.234	6.266	4	.083	5.314	y	13	109457...	139518	16.181	16.181	3...	H1-1b
2	MP1A	PIPE_2.0	.293	3.63	3	.072	3.719		10	13511....	32130	1.872	1.872	1...	H1-1b
3	M16	HSS4X4X4	.238	6.266	12	.087	5.314	y	21	109457...	139518	16.181	16.181	2...	H1-1b
4	M29	HSS4X4X4	.234	6.266	8	.083	5.314	y	17	109457...	139518	16.181	16.181	2...	H1-1b
5	M42	HSS4X4X3	.205	13.527	1	.093	0	y	16	51144....	106812	12.662	12.662	2...	H1-1b
6	M43	HSS4X4X3	.205	13.527	21	.086	0	y	13	51144....	106812	12.662	12.662	2...	H1-1b
7	M44	HSS4X4X3	.209	13.527	17	.091	13.5...	y	16	51144....	106812	12.662	12.662	2...	H1-1b
8	OVP1	PIPE_2.0	.142	1.958	7	.050	1.958		10	30686....	32130	1.872	1.872	1	H1-1b
9	OVP2	PIPE_2.0	.140	1.958	11	.050	1.958		8	30686....	32130	1.872	1.872	2...	H1-1b
10	MP2A	PIPE_2.0	.456	3.719	1	.090	3.719		9	13511....	32130	1.872	1.872	3...	H1-1b
11	MP3A	PIPE_2.0	.235	3.625	12	.057	2		10	20866....	32130	1.872	1.872	3...	H1-1b
12	MP4A	PIPE_2.0	.316	3.63	11	.062	3.63		11	13511....	32130	1.872	1.872	2...	H1-1b
13	MP5A	PIPE_2.0	.290	3.719	1	.072	3.719		4	13511....	32130	1.872	1.872	3...	H1-1b
14	MP1C	PIPE_2.0	.302	3.63	11	.073	3.719		6	13511....	32130	1.872	1.872	2...	H1-1b
15	MP2C	PIPE_2.0	.456	3.719	9	.090	3.719		5	13511....	32130	1.872	1.872	2...	H1-1b
16	MP3C	PIPE_2.0	.228	3.625	8	.057	2		5	20866....	32130	1.872	1.872	2...	H1-1b
17	MP4C	PIPE_2.0	.311	3.63	7	.061	3.63		7	13511....	32130	1.872	1.872	2...	H1-1b
18	MP5C	PIPE_2.0	.277	3.63	7	.073	3.719		12	13511....	32130	1.872	1.872	2...	H1-1b
19	MP1B	PIPE_2.0	.310	3.63	7	.072	3.719		2	13511....	32130	1.872	1.872	2...	H1-1b
20	MP2B	PIPE_2.0	.452	3.719	5	.090	3.719		1	13511....	32130	1.872	1.872	1...	H1-1b
21	MP3B	PIPE_2.0	.236	3.625	4	.057	2		1	20866....	32130	1.872	1.872	2...	H1-1b
22	MP4B	PIPE_2.0	.304	3.63	3	.060	3.63		3	13511....	32130	1.872	1.872	3...	H1-1b
23	MP5B	PIPE_2.0	.289	3.719	5	.072	3.719		8	13511....	32130	1.872	1.872	1...	H1-1b
24	M76	PIPE_.75	.004	.823	10	.001	.823		10	9202.6...	9828	.247	.247	1...	H1-1b
25	M78	PIPE_2.5	.154	1.832	4	.064	11.6...		6	12431....	50715	3.596	3.596	2...	H1-1b
26	M79	PIPE_2.5	.157	1.832	1	.069	11.6...		2	12431....	50715	3.596	3.596	2...	H1-1b
27	M80	PIPE_2.5	.153	12.541	20	.066	11.6...		10	12431....	50715	3.596	3.596	2...	H1-1b
28	M101	L3X3X4	.270	1.609	1	.030	1.609	z	1	44056....	46656	1.688	3.756	2...	H2-1
29	M102	L3X3X4	.261	1.609	9	.028	.017	z	10	44056....	46656	1.688	3.756	1...	H2-1
30	M103	L3X3X4	.271	1.609	5	.031	.117	z	6	44056....	46656	1.688	3.756	2...	H2-1
31	M104	LL3x3x3x0	.147	6.074	13	.003	6.074	y	24	48762....	70632	4.823	3.724	1	H1-1b*
32	M105	LL3x3x3x0	.159	6.074	21	.003	6.074	y	22	48762....	70632	4.823	3.724	1	H1-1b*
33	M106	LL3x3x3x0	.151	6.074	17	.003	0	y	18	48762....	70632	4.823	3.724	1	H1-1b*

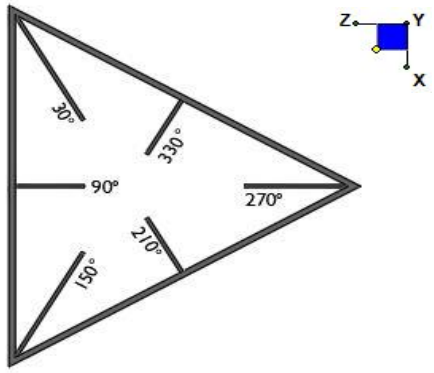
Client:	Verizon Wireless	Date:	10/18/2021
Site Name:	WEST GRANBY CT		
Project No.	21777453A		
Title:	Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

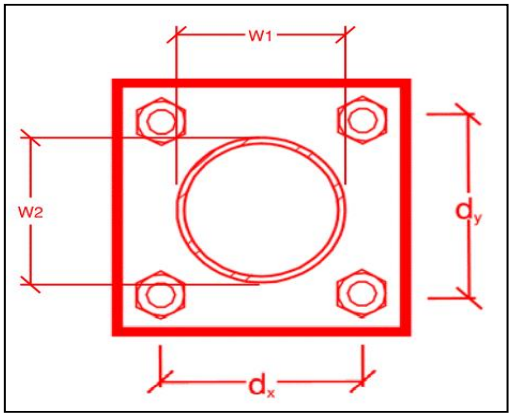
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N17	30
N3	270
N29	150



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	yes
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)*:	4
d_y (in) *(Delta Y of typ. bolt config. sketch)*:	8
Bolt Type:	A325N
Bolt Diameter (in):	0.75
Required Tensile Strength (kips):	18.6
Required Shear Strength (kips):	2.5
Tensile Strength / bolt (kips):	29.8
Shear Strength / bolt (kips):	17.9
Tensile Capacity Overall:	**15.6%***
Shear Capacity Overall:	**3.6%**



**Note: Tension reduction not required if tension or shear capacity < 30%*

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
Plate Width (in):	6
Plate Height (in):	10
W1 (in):	4
W2 (in):	4
Fy (ksi, plate):	36
t_{Plate} (in):	0.5
Weld Size (1/16 in):	5
Phi*Rn (kip/in):	6.96
Required Weld Strength (kip/in):	1.71
Plate Bending Capacity:	**56.1%**
Weld Capacity:	**24.5%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)*:	6.8
Phi*Mn_{xx} *(kip-in)*:	12.2
Mu_{yy} *(kip-in)*:	0.0
Phi*Mn_{yy} *(kip-in)*:	20.3

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

Electronic pdf version of this can be downloaded at https://pmi.vzwsmart.com
For additional questions and support, please reach out to pmisupport@colliersengineering.com

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Purpose – to upload the proper documentation to the SMART Tool in order to allow the SMART Tool engineering vendor to complete the required Mount Desktop review of the Post Modification Inspection Report.

- Contractor is responsible for making certain the photos provided as noted below provide confirmation that the modification was completed in accordance with the modification drawings.
- Contractor shall relay any data that can impact the performance of the mount or the mount modification, this includes safety issues.

Base Requirements:

- If installation of the modification will cause damage to the structure, the climbing facility, or safety climb if present or any installed system, SMART Tool vendor to be notified prior to install. Any special photos outside of the standard requirements will be indicated on the drawings.
- Provide "as built drawings" showing contractor's name, preparer's signature, and date. Any deviations from the drawings (proposed modification) shall be shown. NOTE: If loading is different than what is conveyed in the post-modification passing mount analysis (MA) contact the SMART Tool vendor immediately.
- Each photo shall be time and date stamped.
- Photos should be high resolution.
- Contractor shall ensure that the safety climb wire rope is not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope. If there is conflict, contact the SMART Tool engineer for recommendations.
- The PMI can be accessed at the following portal: **https://pmi.vzwsmart.com**

Photo Requirements:

- *Photos taken at ground level*
  - Photo of Gate Signs showing the tower owner, site name, and number.
  - Overall tower structure after installation of the modifications.
  - Photos of the mount after installation of the modifications; if the mounts are at different rad elevations, pictures must be provided for all elevations that the modifications were installed

- *Photos taken at Mount Elevation*
  - Photos showing the safety climb wire rope above and below the mount prior to modification.
  - Photos showing the climbing facility and safety climb if present.
  - Photos showing each individual sector after installation of modifications. Each entire sector must be in one photo to show the interconnection of members.

        - These photos shall also certify that the placement and geometry of the equipment on the mount is as depicted in the antenna placement diagram in this form.
    - Photos that show the model number of each antenna and piece of equipment installed per sector.
    - Photos of each installed modification per the modification drawings; pictures shall also include connection hardware (U-bolts, bolts, nuts, all-threaded rods, etc.)
    - Photos showing the distances (relative distance between collars) of the installed modifications from the appropriate reference locations shown in the modification drawings.
    - Photos showing the installed modifications onto the tower (i.e. ring/collar mounts, tie-backs, V-bracing kits, etc.); if the existing mount elevation needs to be changed according to the modification drawings, an elevation measurement shall be provided before the elevation change.

Material Certification:

- Materials utilized must be as per specification on the drawings or the equivalent as validated by the SMART Tool vendor.
    - If the materials are as specified on the drawings
        - The contractor shall provide the packing list, or the materials certifications for the materials utilized to perform the mount modification
        - Commscope, Metrosite, Perfect Vision, Sabre, and Site Pro have all agreed to support Verizon vendors with the necessary material certifications
    - If seeking permission to use an equivalent
        - It is required that the SMART Tool engineering vendor approval of such is included in the contractor submission package. There may be an additional charge for approval if the equivalent submission doesn't meet specifications as prescribed in the drawings.

☐ All hardware has been properly installed, and the existing hardware was inspected.

☐ The material utilized was as specified on the SMART Tool engineering vendor Mount Modification Drawings and included in the material certification folder is a packing list or invoice for these materials.

OR

☐ The material utilized was approved by a SMART Tool as an "equivalent" and this approval is included as part of the contractor submission.

Antenna & equipment placement and Geometry Confirmation:

☐ The contractor certifies that the photos support and the equipment on the mount is as depicted on the sketch and table included in this form and with the mount analysis provided.

OR

☐ The contractor notes that the equipment on the mount is not in accordance with the sketch and has noted the differences below and provided photo documentation of any alterations.

Comments:

Certifying Individual:

Company:	
Employee Name:	
Contact Phone:	
Email:	
Date:	

Was the mount modification completed in conjunction with the equipment change / installation?

☐ Yes ☐ No

Special Instructions / Validation as required from the MA or Mod Drawings:

Issue:

Contractor shall inspect climbing facilities and ensure that the safety climb is in good condition. Contractor shall install safety climb wire rope guide in locations where the wire rope is rubbing against mount to tower attachments. Contractor shall provide photos of safety climb wire rope guide installation.

Response:

Contractor certifies that the climbing facility / safety climb was not damaged or obstructed prior to starting work:

☐ Yes ☐ No

Contractor certifies no new damage/obstructions created during the current installation:

☐ Yes ☐ No

Contractor to certify the condition of the safety climb and verify no obstructions when leaving the site:

☐ Safety climb in good condition with no obstructions ☐ Safety Climb Damaged

☐ Safety Climb Obstructed

Comments:

Structure: 468847-VZW - WEST GRANBY CT

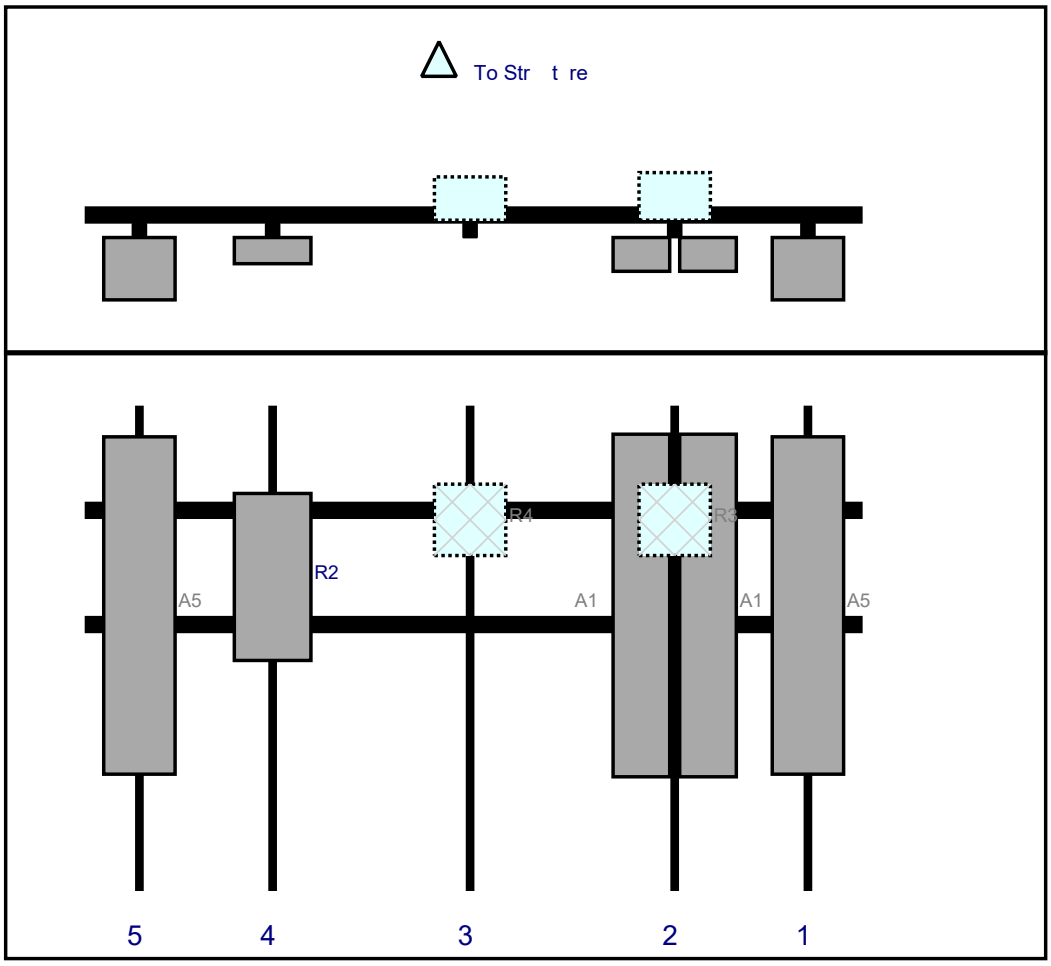
Se tor: **A** 10/18/2021

Str t re Type: Mo opole 10101708

Mo t Elev: 146.50 P ge: 1

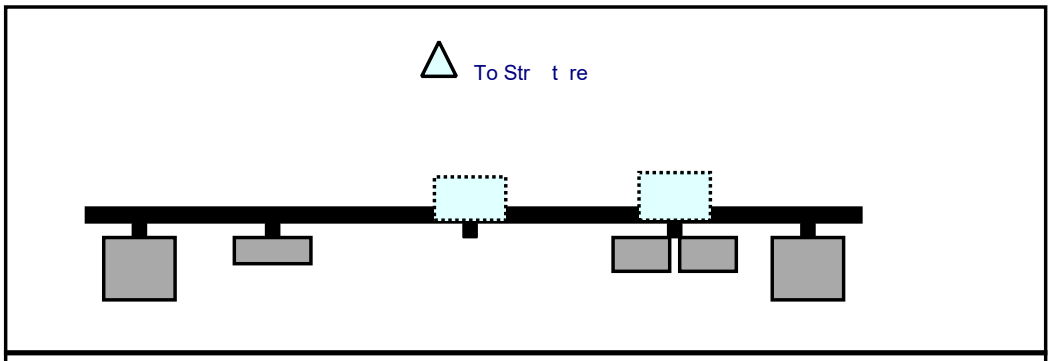
Plan View

Front View
Loo i g t Str t re

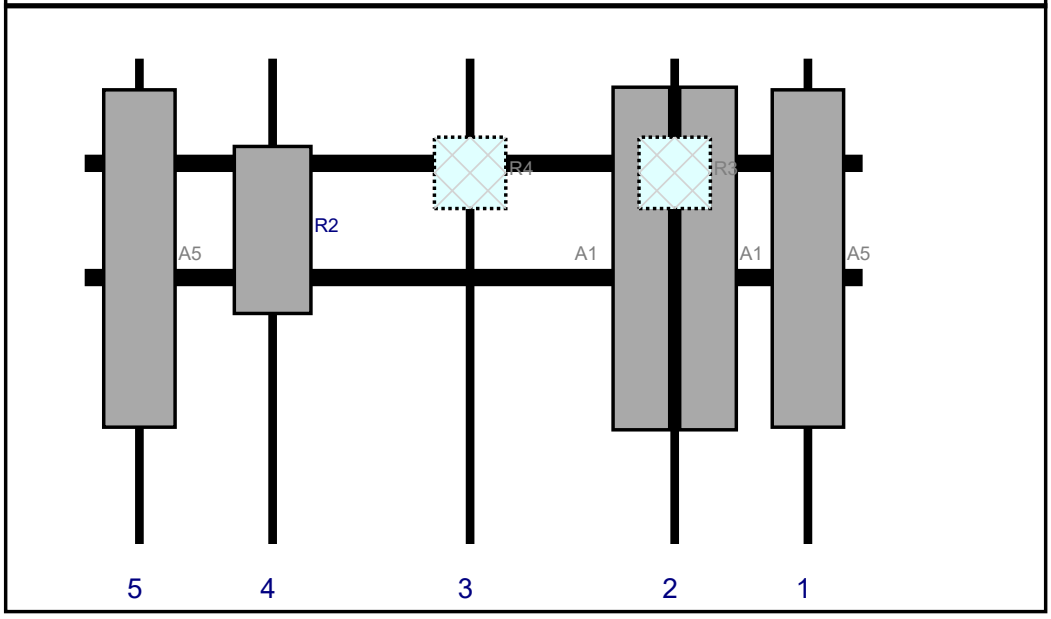


Re #	Model	Height (i)	Width (i)	H Dist Fr L.	Pipe #	Pipe Pos V	A t Pos	C. A t Fr T.	A t H O	St t s	V lid tio
A5	LPA-80063/6CF	70.9	15	152	1		Fro t	42	0	Ret i ed	03/25/2021
A1	NHH-65B-R2B	72	11.9	124	2		Fro t	42	7	Added	
A1	NHH-65B-R2B	72	11.9	124	2		Fro t	42	-7	Added	
R3	RF4439d-25A	15	15	124	2		Behi d	24	0	Added	
R4	RF4440d-13A	15	15	81	3		Behi d	24	0	Added	
R2	MT6407-77A	35.1	16.1	39.5	4		Fro t	36	0	Added	
A5	LPA-80063/6CF	70.9	15	11.5	5		Fro t	42	0	Ret i ed	03/25/2021

Plan View



Front View
Loo i g t Str t re



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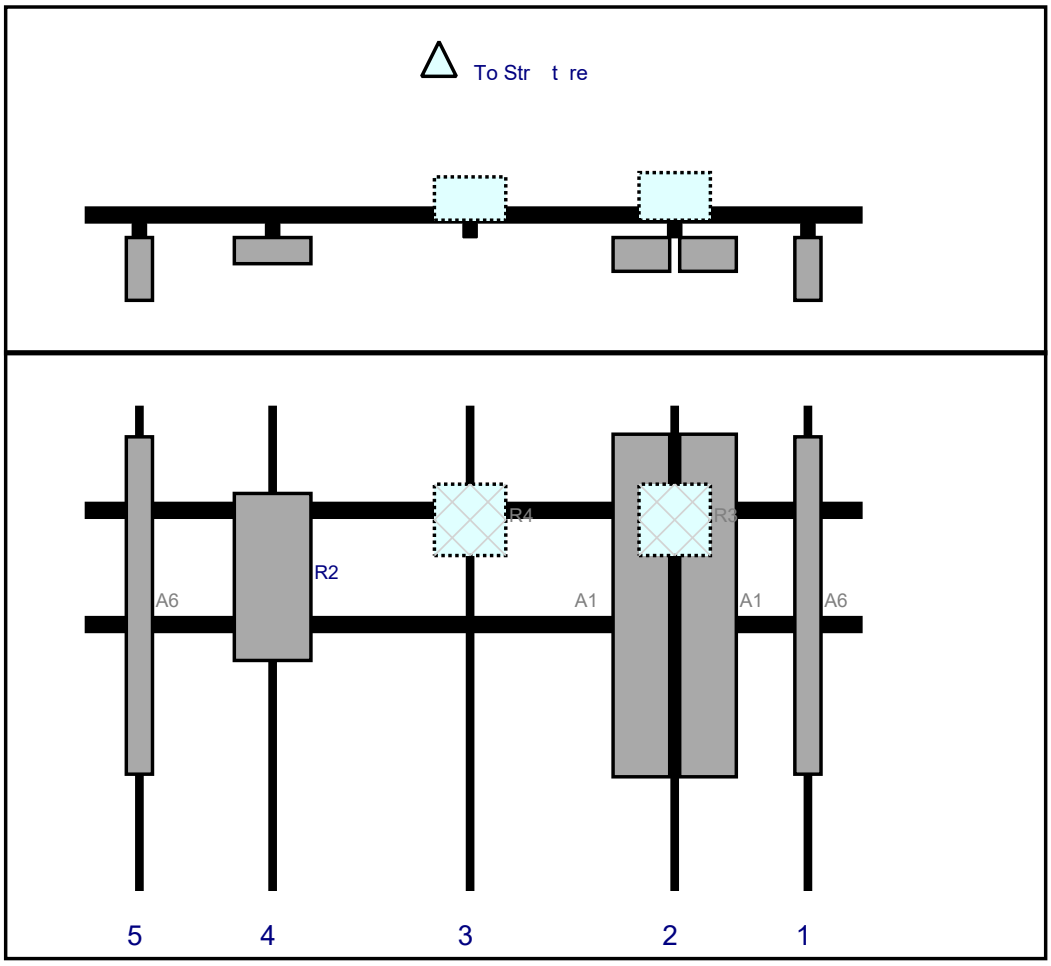
Plan View

Front View
Loo i g t Str t re



Re #	Model	Height (i)	Width (i)	H Dist Fr L.	Pipe #	Pipe Pos V	A t Pos	C. A t Fr T.	A t H O	St t s	V lid tio
A6	LPA-80080/6CF	70.9	5.5	152	1		Fro t	42	0	Ret i ed	03/25/2021
A1	NHH-65B-R2B	72	11.9	124	2		Fro t	42	7	Added	
A1	NHH-65B-R2B	72	11.9	124	2		Fro t	42	-7	Added	
R3	RF4439d-25A	15	15	124	2		Behi d	24	0	Added	
R4	RF4440d-13A	15	15	81	3		Behi d	24	0	Added	
R2	MT6407-77A	35.1	16.1	39.5	4		Fro t	36	0	Added	
A6	LPA-80080/6CF	70.9	5.5	11.5	5		Fro t	42	0	Ret i ed	03/25/2021

Maser Consulting Connecticut

Subject	TIA-222-H Usage	
Site Information	Site ID:	468847-VZW / WEST GRANBY CT
	Site Name:	WEST GRANBY CT
	Carrier Name:	Verizon Wireless
	Address:	8 Upper Meadow Road West Granby, Connecticut 06090 Hartford County
	Latitude:	41.953300°
	Longitude:	-72.829842°
Structure Information	Tower Type:	150-Ft Monopole
	Mount Type:	13.63-Ft Platform

To Whom It May Concern,

We respectfully submit the above referenced Antenna Mount Structural Analysis report in conformance with ANSI/TIA-222-H, Structural Standard for Antenna Supporting Structures and Antennas and Small Wind Turbine Support Structures.

The 2015 International Building Code states that, in Section 3108, telecommunication towers shall be designed and constructed in accordance with the provisions of TIA-222. TIA-222-H is the latest revision of the TIA-222 Standard, effective as of January 01, 2018.

As with all ANSI standards and engineering best practice is to apply the most current revision of the standard. This ensures the engineer is applying all updates. As an example, the TIA-222-H Standard includes updates to bring it in line with the latest AISC and ACI standards and it also incorporates the latest wind speed maps by ASCE 7 based on updated studies of the wind data.

The TIA-222-H standard clarifies these specific requirements for the antenna mount analysis such as modeling methods, seismic analysis, 30-degree increment wind directions and maintenance loading. Therefore, it is our opinion that TIA-222-H is the most appropriate standard for antenna mount structural analysis and is acceptable for use at this site to ensure the engineer is taking into account the most current engineering standard available.

Sincerely,

Justin Linette, PE
Technical Manager

Site Name: ***WEST GRANBY CT***

Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissible Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)	(mW/cm^2)	(%)
VZW 700	751	4	689	2756	147	0.0046	0.5007	0.92%
VZW CDMA	869	2	395	790	147	0.0013	0.5793	0.23%
VZW Cellular	869	4	700	2800	147	0.0047	0.5793	0.80%
VZW PCS	1980	4	1500	6000	147	0.0100	1.0000	1.00%
VZW AWS	2125	4	1672	6688	147	0.0111	1.0000	1.11%
VZW CBAND	3730	4	6531	26124	147	0.0435	1.0000	4.35%
Total Percentage of Maximum Permissible Exposure								8.41%

*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992

**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council's November 10, 2015 Memorandum for Exempt Modification filings

MHz = Megahertz

mW/cm^2 = milliwatts per square centimeter

ERP = Effective Radiated Power

Absolute worst case maximum values used.

8 Upper Meadow Ln

8 Upper Meadow Ln

Granby, CT 06035

8 UPPER MEADOW

Location	8 UPPER MEADOW	**Mblu**	G-30/ 69/ 134/ /
Acct#	14750008	**Owner**	TOWER MEADOW LLC
Assessment	$221,550	**Appraisal**	$316,500
PID	101221	**Building Count**	1

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2017	$129,500	$187,000	$316,500
Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2017	$90,650	$130,900	$221,550

Owner of Record

Owner	TOWER MEADOW LLC	**Sale Price**	$0
Co-Owner		**Certificate**	
Address	40 SIMSBURY RD WEST GRANBY, CT 06090	**Book & Page**	339/0689

Sale Date 12/20/2006

Ownership History

Ownership History				
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Sale Date**
TOWER MEADOW LLC	$0		339/0689	12/20/2006
TOWER MEADOW LLC	$0		334/0976	07/20/2006
GIRARD MEADOW LLC	$0		277/0120	01/09/2003
GIRARD ELAINE J	$0		161/ 935	06/19/1989

Building Information

Building 1 : Section 1

Year Built:
Living Area: 0
Replacement Cost: $0
Building Percent Good:
Replacement Cost
Less Depreciation: $0

Building Attributes	
Field	**Description**
Style	Outbuildings
Model	
Grade:	
Stories:	
Occupancy	

Exterior Wall 1	
Exterior Wall 2	
Roof Structure:	
Roof Cover	
Interior Wall 1	
Interior Wall 2	
Interior Flr 1	
Interior Flr 2	
Heat Fuel	
Heat Type:	
AC Type:	
Total Bedrooms:	
Total Bthrms:	
Total Half Baths:	
Total Xtra Fixtrs:	
Total Rooms:	
Bath Style:	
Kitchen Style:	
Extra Kitchens	
Solar Panels	

Building Photo

(http://images.vgsi.com/photos2/GranbyCTPhotos//\00\00\97/59.jpg)

Building Layout

Building Layout

(http://images.vgsi.com/photos2/GranbyCTPhotos//Sketches/101221_1013

Building Sub-Areas (sq ft)	Legend
No Data for Building Sub-Areas	

Extra Features

Extra Features	Legend

No Data for Extra Features

Land

Land Use

Use Code	4310
Description	TEL REL TW
Zone	R2A
Neighborhood	
Alt Land Appr	No
Category	

Land Line Valuation

Size (Acres)	0.79
Frontage	
Depth	
Assessed Value	$130,900
Appraised Value	$187,000

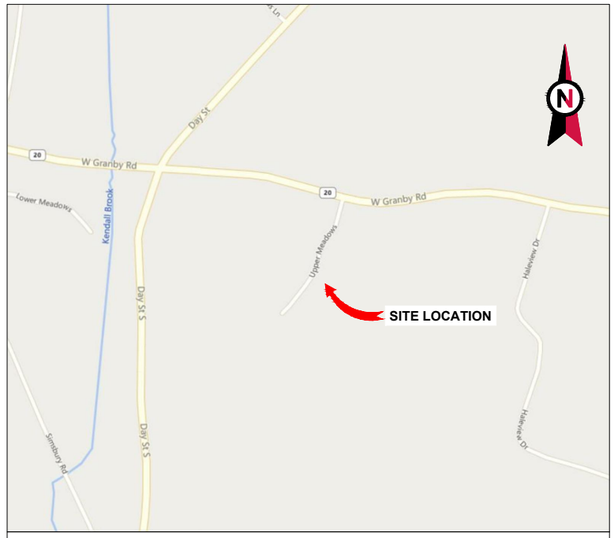
Outbuildings

Outbuildings						Legend
Code	**Description**	**Sub Code**	**Sub Description**	**Size**	**Value**	**Bldg #**
CELL	CELL TOWER			1 UNITS	$112,500	1
FN4	FENCE-8' CHAIN			320 L.F.	$4,000	1
SHP5	W/IMPROV GOOD			432 S.F.	$13,000	1

Valuation History

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2020	$129,500	$187,000	$316,500
2019	$129,500	$187,000	$316,500
2018	$129,500	$187,000	$316,500

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2020	$90,650	$130,900	$221,550
2019	$90,650	$130,900	$221,550
2018	$90,650	$130,900	$221,550



VICINITY MAP

AMERICAN TOWER®

ATC SITE NAME: WEST GRANBY, CT CT
ATC SITE NUMBER: 411186
VERIZON SITE NAME: WEST GRANBY CT
VERIZON SITE NUMBER:468847
SITE ADDRESS: 8 UPPER MEADOW RD
GRANBY, CT 06035

LOCATION MAP

VERIZON
AMENDMENT DRAWINGS

COMPLIANCE CODE

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

1. 2018 CONNECTICUT STATE BUILDING CODE, INCORPORATING THE IBC
2. 2017 NATIONAL ELECTRIC CODE - NFPA 70
3. LOCAL BUILDING CODE
4. CITY/COUNTY ORDINANCES

UTILITY COMPANIES

POWER COMPANY: UNKNOWN
PHONE: N/A

TELEPHONE COMPANY: UNKNOWN
PHONE: N/A

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

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION:	HTTPS://PMI.VZWSMART.COM
SMART TOOL VENDOR PROJECT #:	10101708
VZW LOCATION CODE (PSLC):	468847
ANALYSIS DATE:	11/3/2021

*** PMI AND REQUIREMENTS ARE EMBEDDED IN MOUNT ANALYSIS REPORT

MOUNT MODIFICATION REQUIRED	Y

VZW APPROVED SMART KIT VENDORS

REFER TO MOUNT MODIFICATION DRAWINGS PAGE FOR VZW SMART KIT APPROVED VENDORS

PROJECT SUMMARY

SITE ADDRESS:

8 UPPER MEADOW RD
GRANBY, CT 06035
COUNTY: HARTFORD

GEOGRAPHIC COORDINATES:

LATITUDE: 41.9533258
LONGITUDE: -72.82983973
GROUND ELEVATION: 462' AMSL

PROJECT TEAM

TOWER OWNER:

AMERICAN TOWER
10 PRESIDENTIAL WAY
WOBURN, MA 01801

APPLICANT:

VERIZON WIRELESS

ENGINEER:

COLLIERS ENGINEERING & DESIGN CT, P.C.
D/B/A MASER CONSULTING
135 NEW ROAD
MADISON, CT 06443

PROJECT #:
21904762A

PROPERTY OWNER:

TOWER MEADOW LLC
207 WEST GRANBY ROAD
GRANBY, CT 06035

PROJECT DESCRIPTION

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

REMOVE (9) ANTENNA(s), (3) RRU(s), (2) COAX CABLE(s) AT TOWER AND (3) RRU(s) AT GRADE

INSTALL MOUNT MODIFICATIONS, (9) ANTENNA(s) AND (6) RRH(s)

EXISTING (6) ANTENNA(s), (2) OVP(s), (6) RRU(s), (2) HYBRID CABLE(s) AND (16) COAX CABLE(s) TO REMAIN

PROJECT NOTES

1. THE FACILITY IS UNMANNED.
2. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE.
3. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE.
4. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED.
5. HANDICAP ACCESS IS NOT REQUIRED.
6. THE PROJECT DEPICTED IN THESE PLANS QUALIFIES AS AN ELIGIBLE FACILITIES REQUEST ENTITLED TO EXPEDITED REVIEW UNDER 47 U.S.C. § 1455(A) AS A MODIFICATION OF AN EXISTING WIRELESS TOWER THAT INVOLVES THE COLLOCATION, REMOVAL, AND/OR REPLACEMENT OF TRANSMISSION EQUIPMENT THAT IS NOT A SUBSTANTIAL CHANGE UNDER CFR § 1.61000 (B)(7).

PROJECT LOCATION DIRECTIONS

TAKE I91 NORTH TO EXIT 40 HEAD TOWARDS BRADLEY AIRPORT THEN TAKE THE EXIT FOR RTE 20 WEST. FOLLOW RTE 20 WEST THRU GRANBY CENTER. AFTER THE RTE 20 AND RTE 189 SPLIT CONTINUE ON RTE 20 WEST FOR APPROX. 1.9 MILES. TAKE A LEFT ONTO UPPER MEADOW RD. THE TOWER IS LOCATED ON THE LEFT ABOUT 100 YARDS. PLEASE NOTE: THIS IS A PRIVATE RD.

SHEET INDEX

SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:
G-001	TITLE SHEET	1	01/11/22	MSG
G-002	GENERAL NOTES	1	01/11/22	MSG
C-101	DETAILED SITE PLAN	1	01/11/22	MSG
C-201	TOWER ELEVATION	1	01/11/22	MSG
C-401	ANTENNA INFORMATION & SCHEDULE	1	01/11/22	MSG
C-501	CONSTRUCTION DETAILS	1	01/11/22	MSG
E-501	GROUNDING DETAILS	1	01/11/22	MSG
R-601	SUPPLEMENTAL			
R-602	SUPPLEMENTAL			
R-603	SUPPLEMENTAL			
R-604	SUPPLEMENTAL			
R-605	SUPPLEMENTAL			

AMERICAN TOWER®

Colliers Engineering & Design
www.colliersengineering.com
Doing Business as MASER CONSULTING
MADISON
135 New Road
Madison, CT 06443
Phone: 860.395.0055
COLLIERS ENGINEERING & DESIGN CT, P.C.
DOING BUSINESS AS MASER CONSULTING

REV.	DESCRIPTION	BY	DATE
A	PRELIM	MSG	11/22/21
0	FOR CONSTRUCTION	RMD	12/23/21
1	FOR CONSTRUCTION	RMD	01/11/22

ATC SITE NUMBER:
411186

ATC SITE NAME:
WEST GRANBY, CT CT

VERIZON SITE NAME:
WEST GRANBY CT

SITE ADDRESS:
8 UPPER MEADOW RD
GRANBY, CT 06035

SEAL:

COA: JPC.0000131

verizon

DATE DRAWN:	11/22/21
ATC JOB NO:	13734088_D1
CUSTOMER ID:	WEST GRANBY CT
CUSTOMER #:	468847

TITLE SHEET

SHEET NUMBER:	REVISION:
G-001	1

GENERAL CONSTRUCTION NOTES:

1. OWNER FURNISHED MATERIALS, VERIZON "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 VERIZON 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 VERIZON REP PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH REMEDIAL ACTION SHALL REQUIRE WRITTEN APPROVAL BY THE VERIZON REP PRIOR TO PROCEEDING.
13. EACH CONTRACTOR SHALL COOPERATE WITH THE VERIZON 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 VERIZON 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 VERIZON 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 VERIZON 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 VERIZON 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 VERIZON REP TO DETERMINE IF ANY PERMITS WILL BE OBTAINED BY CONTRACTOR. ALL REQUIRED PERMITS NOT OBTAINED BY VERIZON MUST BE OBTAINED, AND PAID FOR, BY THE CONTRACTOR.
23. CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH VERIZON SPECIFICATIONS AND REQUIREMENTS.
24. CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO VERIZON FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
25. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND LOCATED ACCORDING TO VERIZON 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 VERIZON 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 VERIZON REP. ANY WORK FOUND BY THE VERIZON 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. VERIZON FURNISHED EQUIPMENT SHALL BE PICKED-UP AT THE VERIZON 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. VERIZON 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 VERIZON OR THEIR ARCHITECT/ENGINEER.

SPECIAL CONSTRUCTION ANTENNA INSTALLATION NOTES:

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

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

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REV.	DESCRIPTION	BY	DATE
A	PRELIM	MSG	11/22/21
0	FOR CONSTRUCTION	RMD	12/23/21
1	FOR CONSTRUCTION	RMD	01/11/22

ATC SITE NUMBER:
411186

ATC SITE NAME:
WEST GRANBY, CT CT

VERIZON SITE NAME:
WEST GRANBY CT

SITE ADDRESS:
8 UPPER MEADOW RD
GRANBY, CT 06035

SEAL:

COA: JPC.0000131

verizon

DATE DRAWN:	11/22/21
ATC JOB NO:	13734088_D1
CUSTOMER ID:	WEST GRANBY CT
CUSTOMER #:	468847

GENERAL NOTES

SHEET NUMBER:	REVISION:
G-002	1

SITE PLAN NOTES:

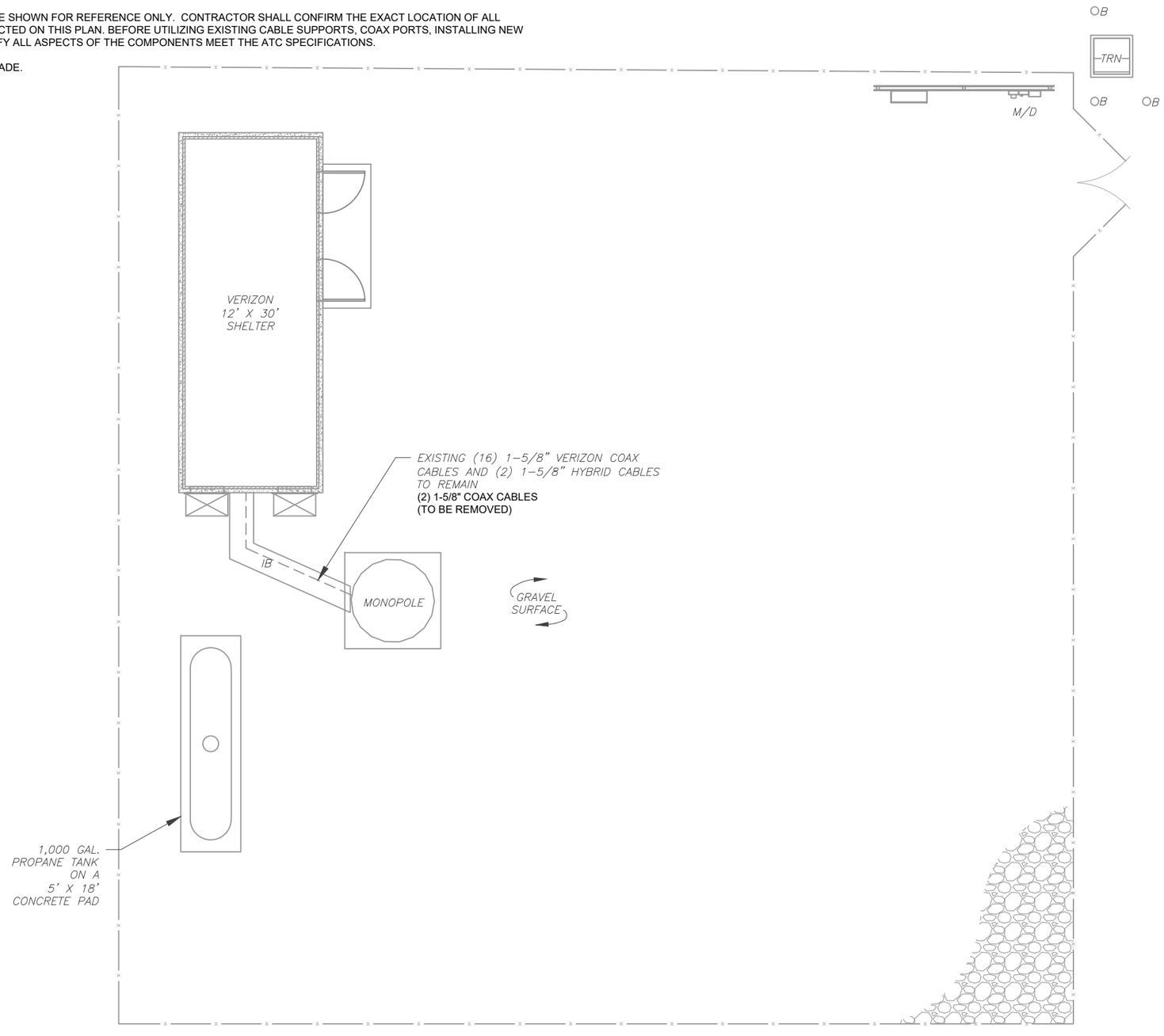
1. THIS SITE PLAN REPRESENTS THE BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF THIS DESIGN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION AND VERIFY ALL EXISTING CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT.

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



1 DETAILED SITE PLAN

GRAPHIC SCALE

10 0 5 10

(IN FEET)
1 UNIT = 10 FEET

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GRANBY, CT 06035

SEAL:

COA: JPC.0000131

verizon

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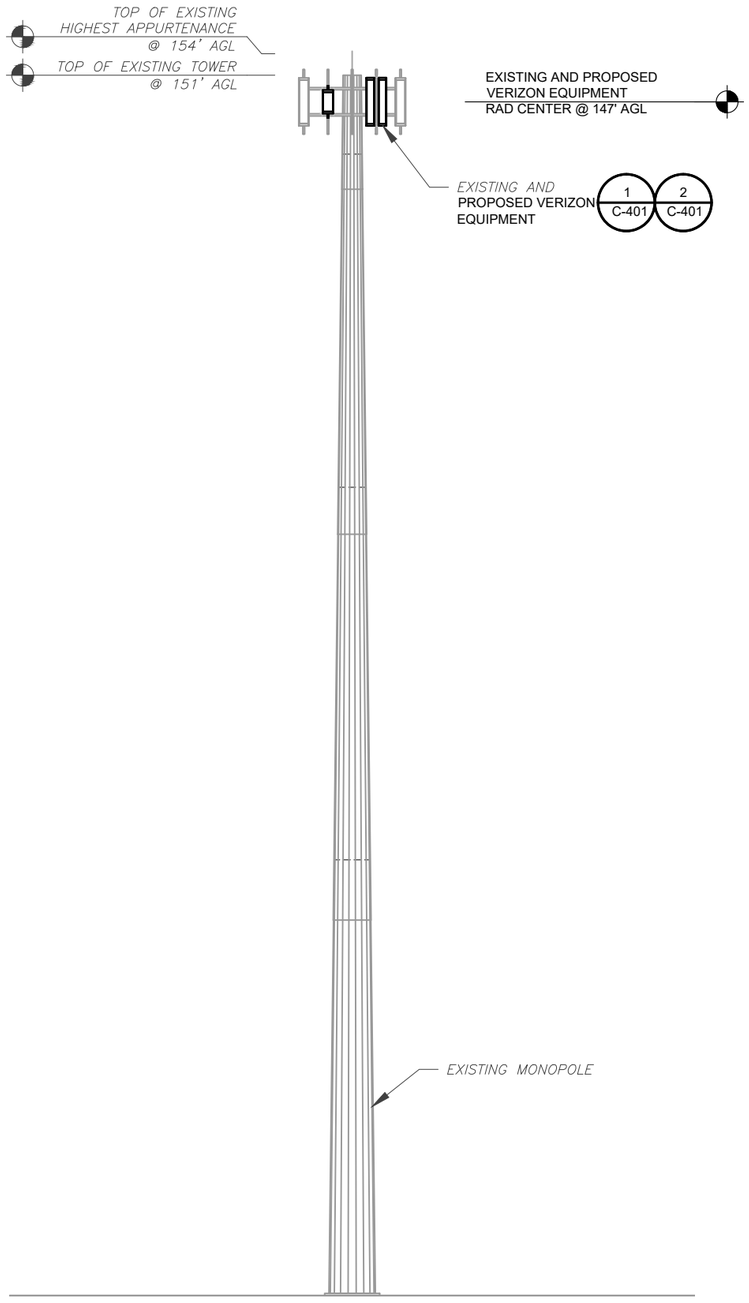
CUSTOMER ID:	WEST GRANBY CT
CUSTOMER #:	468847

DETAILED SITE PLAN

SHEET NUMBER:	REVISION:
C-101	1

PER MOUNT ANALYSIS COMPLETED BY MASER CONSULTING CONNECTICUT, DATED 11/03/21, THE EXISTING MOUNT MUST BE MODIFIED TO ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION DETAILED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT.



1 TOWER ELEVATION
SCALE: N.T.S.

TOWER NOTE:
1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM WITH THE PROJECT MANAGER THAT THEY HAVE THE MOST RECENT VERSION OF THE STRUCTURAL ANALYSIS BEFORE COMMENCING WORK. EXISTING AND PROPOSED TOWER APPURTENANCES, MOUNTS, AND ANTENNAS ARE SHOWN BASED ON THE STRUCTURAL ANALYSIS.
2. WHERE APPLICABLE, ALL NEW ANTENNAS, EQUIPMENT, MOUNTS, CABLING, ETC. SHALL BE PAINTED/SOCKED TO MATCH EXISTING EQUIPMENT IN ACCORDANCE WITH FAA, JURISDICTION, AND/OR OTHER LOCAL REQUIREMENTS.
3. TOWER ELEVATIONS ARE MEASURED FROM TOP OF BASE PLATE TO MATCH STRUCTURAL ANALYSIS. ELEVATIONS DO NOT REFLECT TRUE ABOVE GROUND LEVEL (A.G.L.)
4. TOWER ELEVATION DEPICTION MAY NOT REFLECT ALL EQUIPMENT INCLUDED IN STRUCTURAL ANALYSIS. REFER TO STRUCTURAL ANALYSIS FOR FULL TOWER LOADING.

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SEAL:

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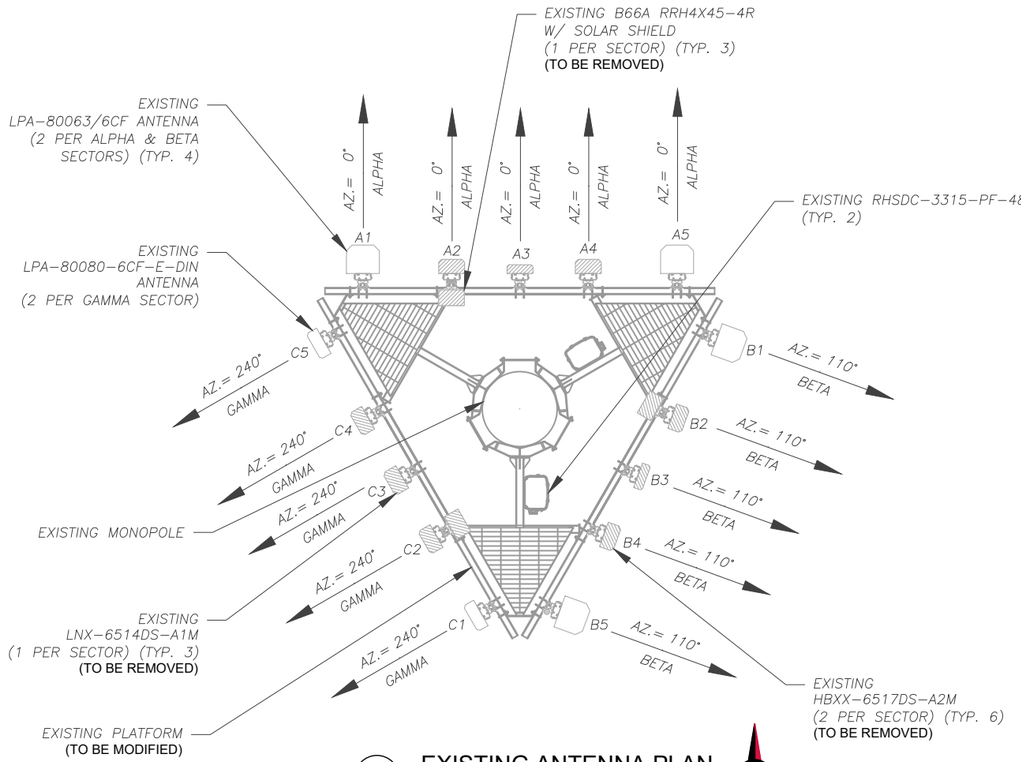
verizon

DATE DRAWN:	11/22/21
ATC JOB NO:	13734088_D1
CUSTOMER ID:	WEST GRANBY CT
CUSTOMER #:	468847

TOWER ELEVATION

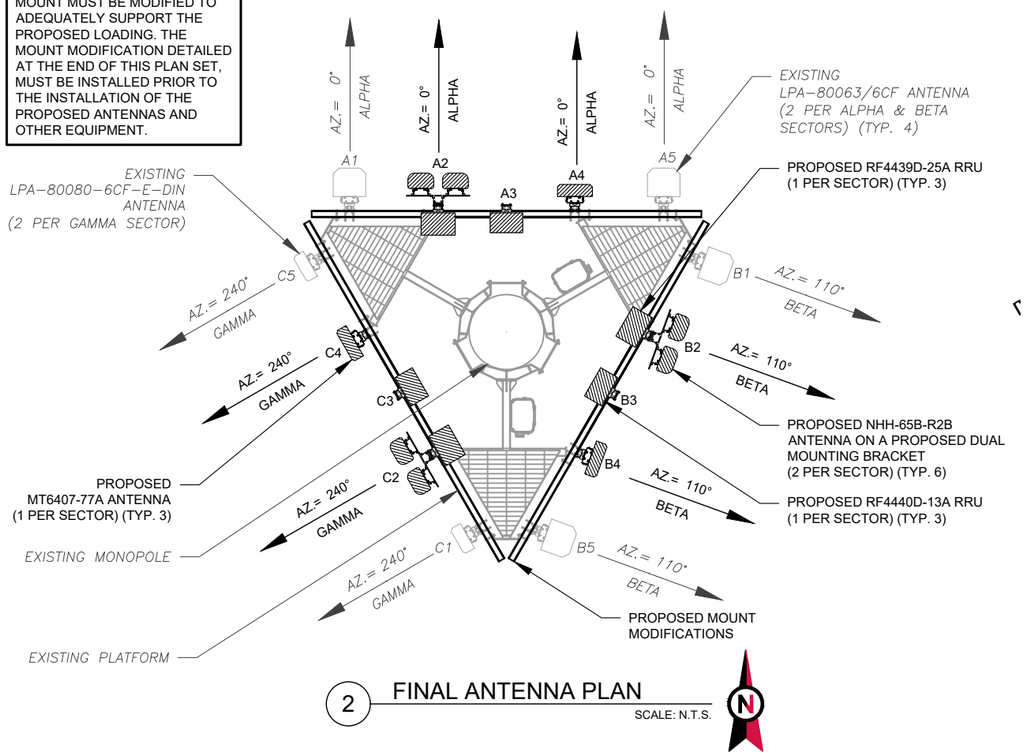
SHEET NUMBER:	REVISION:
C-201	1



1 EXISTING ANTENNA PLAN

SCALE: N.T.S.

PER MOUNT ANALYSIS COMPLETED BY MASER CONSULTING CONNECTICUT, DATED 11/03/21, THE EXISTING MOUNT MUST BE MODIFIED TO ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION DETAILED 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: N.T.S.

EXISTING ANTENNA SCHEDULE

LOCATION			ANTENNA SUMMARY					NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	MECH/ELEC D-TILT	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	147'	0°	A1	LPA-80063/6CF-EDIN	CDMA 850	1/0	RMN	-	-
			A2	HBXX-6517DS-A2M	LTE/AWS	0/4	RMV	B66A RRH4X45-4R W/SOLAR SHIELD	RMV
			A3	LNX-6514DS-A1M	LTE/700	0/0	RMV	-	-
			A4	HBXX-6517DS-A2M	LTE/AWS	0/0	RMV	-	-
			A5	LPA-80063/6CF-EDIN	CDMA 850	1/0	RMN	-	-
BETA	147'	110°	B1	LPA-80063/6CF-EDIN	CDMA 850	3/5	RMN	-	-
			B2	HBXX-6517DS-A2M	LTE/AWS	0/5	RMV	B66A RRH4X45-4R W/SOLAR SHIELD	RMV
			B3	LNX-6514DS-A1M	LTE/700	0/0	RMV	-	-
			B4	HBXX-6517DS-A2M	LTE/AWS	0/0	RMV	-	-
			B5	LPA-80063/6CF-EDIN	CDMA 850	3/5	RMN	-	-
GAMMA	147'	240°	C1	LPA-80080/6CF-E-DIN	CDMA 850	0/0	RMN	-	-
			C2	HBXX-6517DS-A2M	LTE/AWS	0/0	RMV	B66A RRH4X45-4R W/SOLAR SHIELD	RMV
			C3	LNX-6514DS-A1M	LTE/700	0/0	RMV	-	-
			C4	HBXX-6517DS-A2M	LTE/AWS	0/0	RMV	-	-
			C5	LPA-80080/6CF-E-DIN	CDMA 850	0/0	RMN	-	-

NOTES

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

STATUS ABBREVIATIONS

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

CABLE LENGTHS FOR JUMPERS

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

FINAL ANTENNA SCHEDULE

LOCATION			ANTENNA SUMMARY					NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	MECH/ELEC D-TILT	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	147'	0°	A1	LPA-80063/6CF-EDIN	CDMA 850	1/0	RMN	-	-
			A2	NHH-65B-R2B NHH-65B-R2B	LTE 700/850/1900/AWS	0/6 0/1	ADD	RF4439D-25A	ADD
			A3	-	-	-	-	RF4440D-13A	ADD
			A4	MT6407-77A	5G	0/6	ADD	-	-
			A5	LPA-80063/6CF-EDIN	CDMA 850	1/0	RMN	-	-
BETA	147'	110°	B1	LPA-80063/6CF-EDIN	CDMA 850	3/5	RMN	-	-
			B2	NHH-65B-R2B NHH-65B-R2B	LTE 700/850/1900/AWS	0/3 0/3	ADD	RF4439D-25A	ADD
			B3	-	-	-	-	RF4440D-13A	ADD
			B4	MT6407-77A	5G	0/6	ADD	-	-
			B5	LPA-80063/6CF-EDIN	CDMA 850	3/5	RMN	-	-
GAMMA	147'	240°	C1	LPA-80080/6CF-E-DIN	CDMA 850	0/0	RMN	-	-
			C2	NHH-65B-R2B NHH-65B-R2B	LTE 700/850/1900/AWS	0/1 0/1	ADD	RF4439D-25A	ADD
			C3	-	-	-	-	RF4440D-13A	ADD
			C4	MT6407-77A	5G	0/3	ADD	-	-
			C5	LPA-80080/6CF-E-DIN	CDMA 850	0/0	RMN	-	-

EXISTING FIBER DISTRIBUTION/OVP BOX		EXISTING CABLING SUMMARY		
MODEL NUMBER	STATUS	COAX	HYBRID	STATUS
(2) RHSDC-3315-PF-48	RMN	(16) 1-5/8"	(2) 1 5/8"	RMN
-	-	(2) 1-5/8"	-	RMV

3 EQUIPMENT SCHEDULES

FINAL FIBER DISTRIBUTION / OVP BOX		FINAL CABLING SUMMARY		
MODEL NUMBER	STATUS	COAX	HYBRID	STATUS
(2) RHSDC-3315-PF-48	RMN	(16) 1-5/8"	(2) 1 5/8"	RMN

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411186

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VERIZON SITE NAME:
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SITE ADDRESS:
8 UPPER MEADOW RD
GRANBY, CT 06035

SEAL:

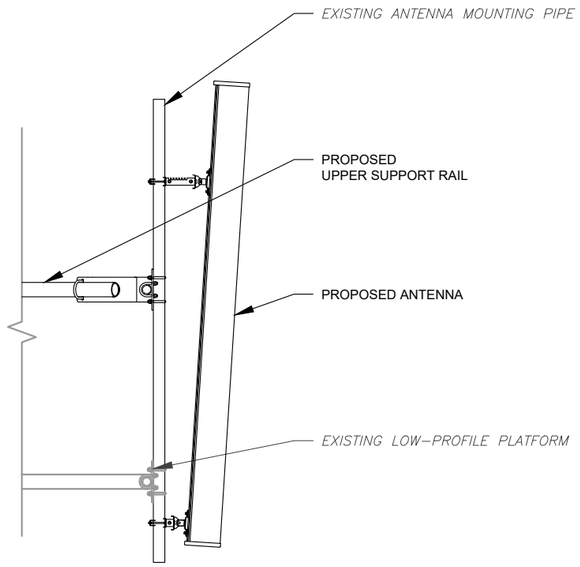
COA: JPC.0000131

verizon

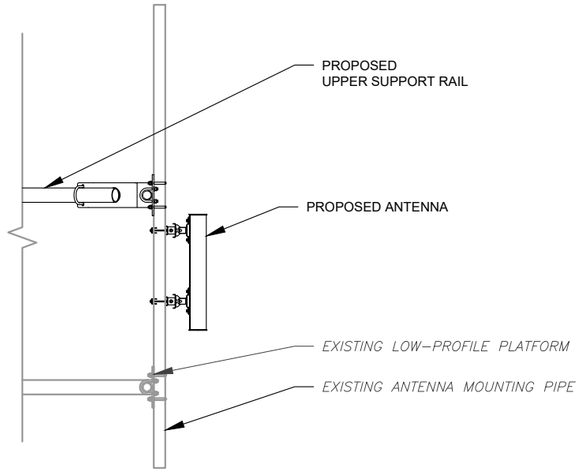
DATE DRAWN:	11/22/21
ATC JOB NO:	13734088_D1
CUSTOMER ID:	WEST GRANBY CT
CUSTOMER #:	468847

ANTENNA INFORMATION & SCHEDULE

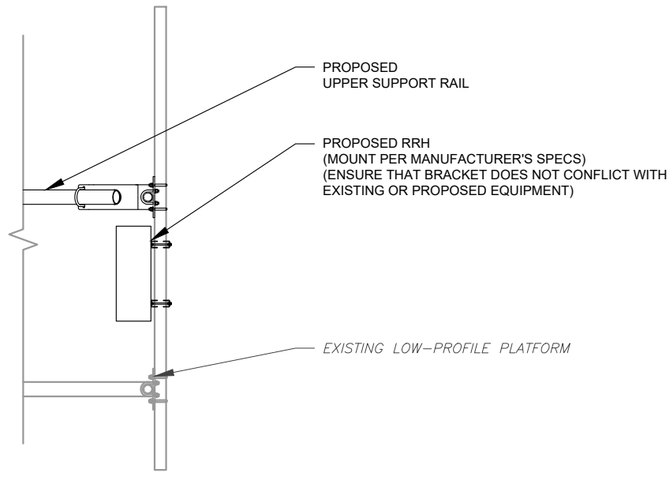
SHEET NUMBER:	REVISION:
C-401	1



1 PROPOSED ANTENNA MOUNTING DETAIL - TYPICAL
SCALE: N.T.S.



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



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

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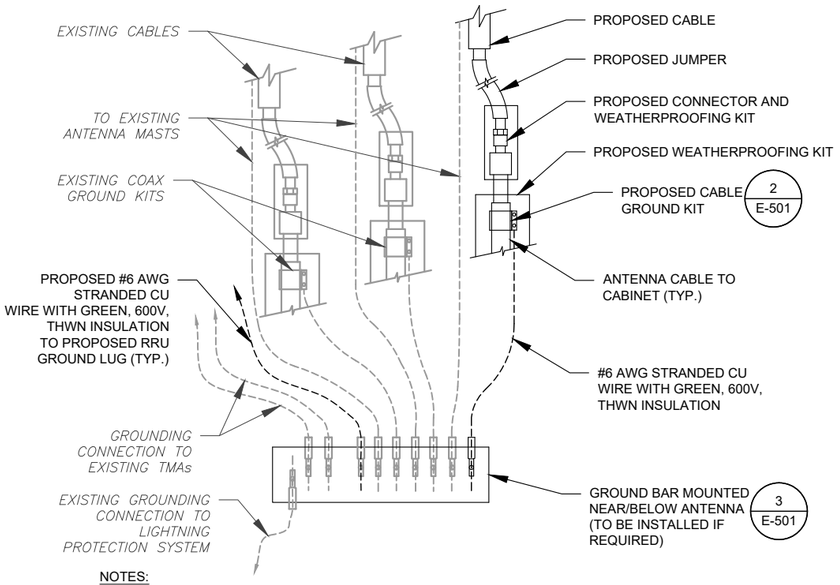
CUSTOMER #:	468847

CONSTRUCTION DETAILS

SHEET NUMBER:	REVISION:
C-501	1

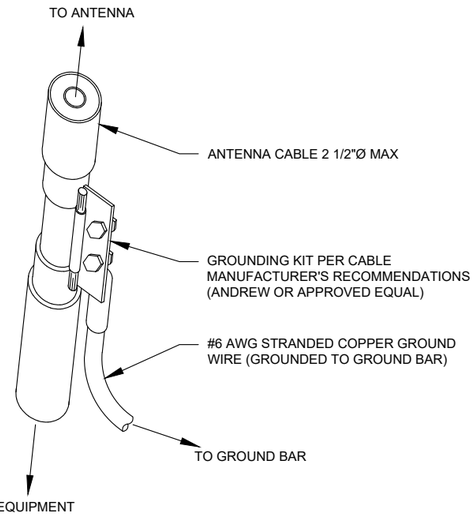


NOTES:

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 VERIZON GROUNDING STANDARDS, LATEST EDITION, AND COMPLY WITH VERIZON GROUNDING CHECKLIST, LATEST VERSION. WHEN NATIONAL AND LOCAL GROUNDING CODES ARE MORE STRINGENT THEY SHALL GOVERN.

1 TYPICAL ANTENNA GROUNDING DIAGRAM

SCALE: N.T.S.

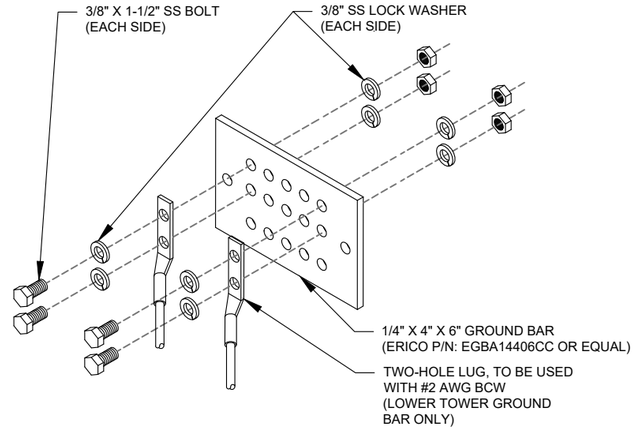


GROUND KIT NOTES:

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

2 CABLE GROUND KIT CONNECTION DETAIL

SCALE: N.T.S.



GROUND BAR NOTES:

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

3 TOWER GROUND BAR DETAIL

SCALE: N.T.S.

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verizon

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CUSTOMER ID:	WEST GRANBY CT
CUSTOMER #:	468847

GROUNDING DETAILS

SHEET NUMBER:	REVISION:
E-501	1

Antenna Summary

Added

700	850	1900	AWS	L-Sub6	Make	Model	Centerline	Tip Height	Azimuth	RET	4xRx	Inst. Type	Quantity	Item ID
LTE	LTE 5G	LTE	LTE		COMMSCOPE	NHH-65B-R2B	150	153	0(01) 110(02) 240(03)	true	true	PHYSICAL	6	NHH-65B-R2B
				5G	Samsung	MT6407-77A	150	151.5	0(0259) 110(0260) 240(0261)	false	false	PHYSICAL	3	

Removed

700	850	1900	AWS	L-Sub6	Make	Model	Centerline	Tip Height	Azimuth	RET	4xRx	Inst. Type	Quantity	Item ID
			LTE		ANDREW	HBXX-6517DS-A2M	150	153.1	0(01) 110(02) 240(03)	false	false	PHYSICAL	6	
LTE					ANDREW	LNX-6514DS-A1M	150	153	0(01) 110(02) 240(03)	false	false	PHYSICAL	3	

Retained

700	850	1900	AWS	L-Sub6	Make	Model	Centerline	Tip Height	Azimuth	RET	4xRx	Inst. Type	Quantity	Item ID
	CDMA				ANTEL	LPA-80063/6CF	150	153	0(D1)	false	false	PHYSICAL	2	
	CDMA				ANTEL	LPA-80063/6CF 5	150	153	110(D2)	false	false	PHYSICAL	2	
	CDMA				ANTEL	LPA-80080/6CF	150	153	240(D3)	false	false	PHYSICAL	2	

Added: 9 | Removed: 9 | Retained: 6

Equipment Summary

Added

Equipment Type	Location	700	850	1900	AWS	L-Sub6	Make	Model	Cable Length	Cable Size	Install Type	Quantity	Item ID
Mount	Tower						COMMSCOPE	BSAMNT-SBS-1-2			PHYSICAL	3	
RRU	Tower					5G	Samsung	MT6407-77A			PHYSICAL	3	
RRU	Tower			LTE	LTE		Samsung	RF4439d-25A			PHYSICAL	3	
RRU	Tower	LTE	LTE 5G				Samsung	RF4440d-13A			PHYSICAL	3	

Removed

Equipment Type	Location	700	850	1900	AWS	L-Sub6	Make	Model	Cable Length	Cable Size	Install Type	Quantity	Item ID
RRU	Tower				LTE		Nokia	UHIE B66A RRH 4x45			PHYSICAL	3	
RRU	Shelter	LTE					Nokia	UHBA B13 RRH 4x30			PHYSICAL	3	

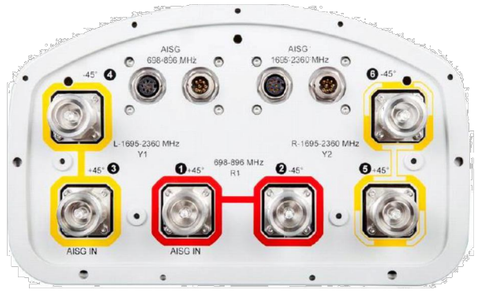
Retained

Equipment Type	Location	700	850	1900	AWS	L-Sub6	Make	Model	Cable Length	Cable Size	Install Type	Quantity	Item ID
Coaxial Cables	Tower		CDMA				N/A	1-5/8" Coax		1 5/8"	PHYSICAL	6	
Coaxial Cables	Tower						N/A	1-5/8" Coax		1 5/8"	SPARE	12	
Hybrid Cable	Tower	LTE	LTE 5G	LTE	LTE	5G	N/A	6x12 Hybriflex		1 1/4"	PHYSICAL	2	
OVP Box	Tower	LTE	LTE 5G	LTE	LTE	5G	Raycap	RHSDC-3315-PF-48			PHYSICAL	2	

SUPPLEMENTAL

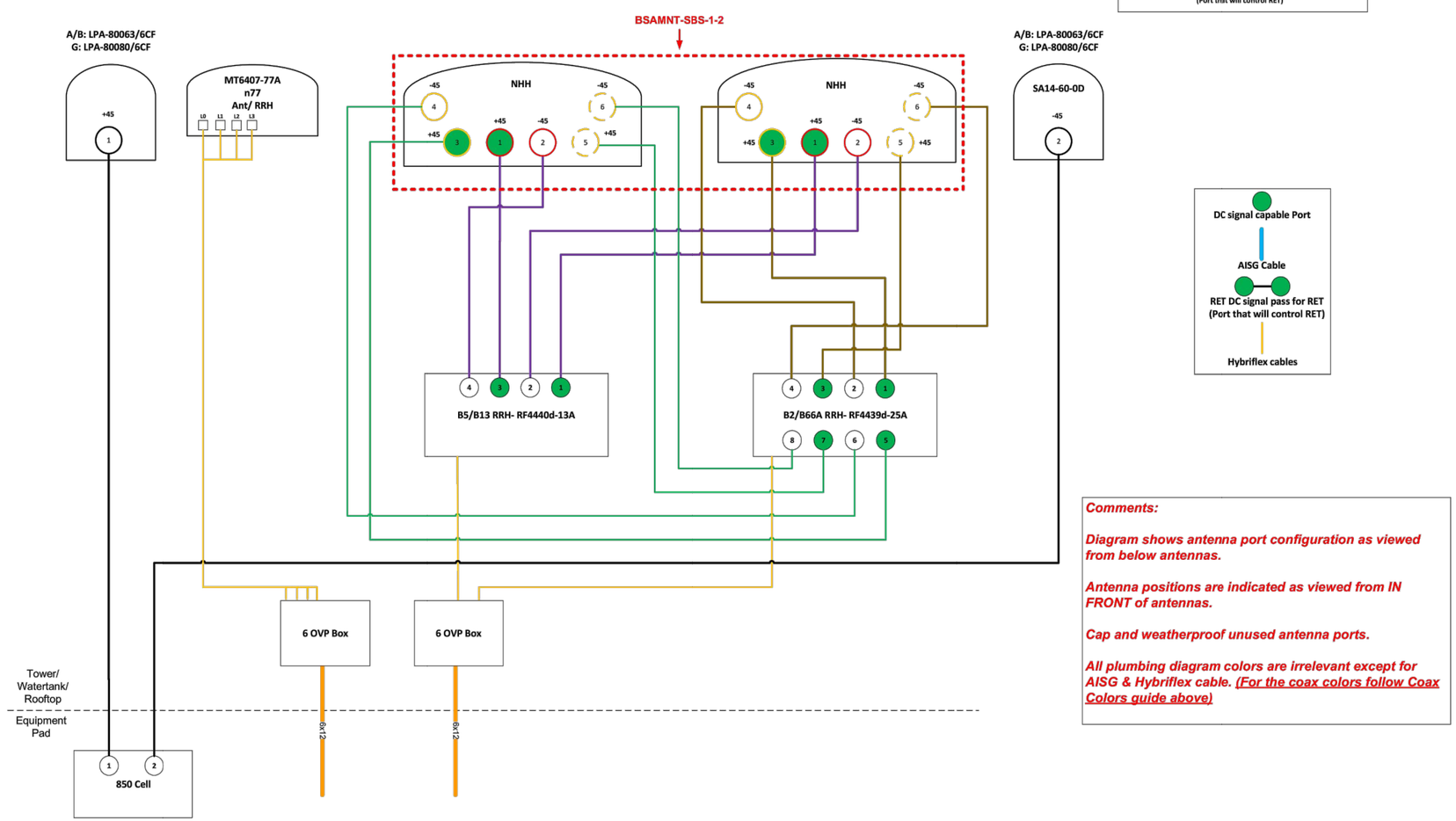
SHEET NUMBER: R-601

REVISION: -



- Port 1 & 2 are for low band (698-896 MHz).
- Port 3,4,5, & 6 are for high band (1695-2360 MHz).
- Smart Bias Tee (SBT) is through port 1 & 3 for low band and port 1 for high band.
- AISG cable is only needed when drawn in the diagrams below, if it is not drawn then SBT is enough to control all RET motors.
- Not all SBT ports are needed to control RET, only green port connection to green port will control RET.

RET DC signal pass for RET
(Port that will control RET)



DC signal capable Port

AISG Cable

RET DC signal pass for RET
(Port that will control RET)

Hybriflex cables

Comments:

Diagram shows antenna port configuration as viewed from below antennas.

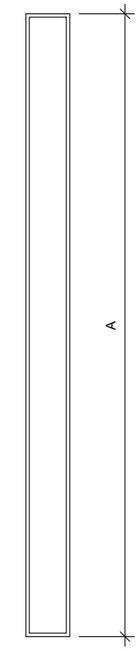
Antenna positions are indicated as viewed from IN FRONT of antennas.

Cap and weatherproof unused antenna ports.

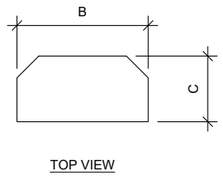
All plumbing diagram colors are irrelevant except for AISG & Hybriflex cable. (For the coax colors follow Coax Colors guide above)

SUPPLEMENTAL

SHEET NUMBER:	REVISION:
R-602	-



FRONT VIEW

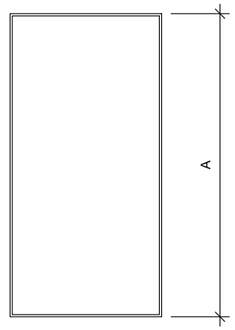


TOP VIEW

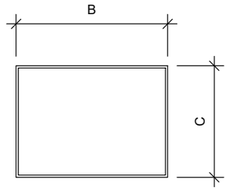
1 ANTENNA SPECIFICATIONS

FOR ILLUSTRATIVE PURPOSES ONLY - N.T.S.

ANTENNA SPECIFICATIONS				
ANTENNA MODEL	A	B	C	WEIGHT (LBS)
NHH-65B-R2B	72.0"	11.9"	7.1"	43.7
MT6407-77A	35.1"	16.1"	5.5	81.6



FRONT VIEW



TOP VIEW

2 RRU SPECIFICATIONS

FOR ILLUSTRATIVE PURPOSES ONLY - N.T.S.

RRU SPECIFICATIONS				
RRU MODEL	A	B	C	WEIGHT (LBS)
RF4439D-25A	20.0"	15.0"	10.4"	74.7
RF4440D-13A	15.0"	15.0"	9.1"	70.3

SUPPLEMENTAL

SHEET NUMBER: R-603

REVISION: -

Maser Consulting Connecticut
1055 Washington boulevard
Stamford, CT 06901
856.797.0412
peter.albano@colliersengineering.com

Post-Modification Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10101708
Maser Consulting Connecticut Project #: 21777453A

November 3, 2021

Site Information

Site ID:	*468847-VZW / WEST GRANBY CT*
Site Name:	*WEST GRANBY CT*
Carrier Name:	*Verizon Wireless*
Address:	*8 Upper Meadow Road West Granby, Connecticut 06090 Hartford County*
Latitude:	*41.953300°*
Longitude:	*-72.829842°*

Structure Information

Tower Type:	*150-Ft Monopole*
Mount Type:	*13.63-Ft Platform*

FUZE ID # 16273389

Analysis Results

Platform: **56.1% Pass**

******Contractor PMI Requirements*:**
Included at the end of this MA report
Available & Submitted via portal at https://pmi.vzwsmart.com
Contractor - Please Review Specific Site PMI Requirements Upon Award
Requirements also Noted on Mount Modification Drawings
Requirements may also be Noted on A & E drawings
For additional questions and support, please reach out to:
pmisupport@colliersengineering.com

Report Prepared By: Frank Centone

STATE OF CONNECTICUT
JUSTIN PETER LINETTE
No. 31965
LICENSED PROFESSIONAL ENGINEER

Digitally signed by Justin Linette
Date: 2021.11.03 17:00:13-04'00'

Final Loading Configuration:

The following equipment has been considered for the analysis of the mount:

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
146.50	147.00	6	Commscope	NHH-65B-R2B	Added
		3	Samsung	MT6407-77A	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	
		4	Antel	LPA-80063/6CF	Retained
		2	Antel	LPA-80080/6CF	
		2	Raycap	RHSDC-3315-PF-48	

The recent mount mapping reported existing OVP units. It is acceptable to install up to any three (3) of the OVP model numbers listed below as required at any location other than the mount face without affecting the structural capacity of the mount. If OVP units are installed on the mount face, a mount re-analysis may be required unless replacing an existing OVP.

Model Number	Ports	AKA
DB-B1-6C-12AB-0Z	6	OVP-6
RVZDC-6627-PF-48	12	OVP-12

1 MOUNT ANALYSIS

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

SUPPLEMENTAL

SHEET NUMBER: R-604

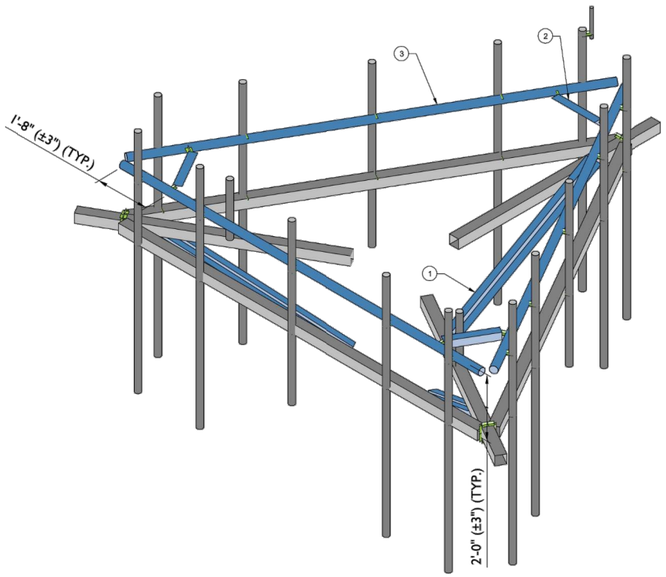
REVISION: -

LEGEND:

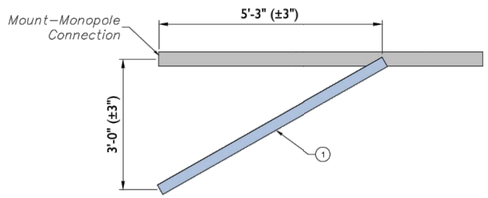
- PROPOSED
- RELOCATED
- EXISTING

MOUNT MODIFICATION SCHEDULE				
NO.	ELEVATION	QUANTITY	DESCRIPTION	NOTES
1	149'-6"	1	PROPOSED KICKER KIT (PART #: VZWSMART-PLK5))	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7).
2		3	PROPOSED SUPPORT RAIL CORNER BRACKET (PART #: VZWSMART-PLK3) WITH 30" LONG L3X3X1/4 ANGLE	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1. CONNECT PROPOSED L3X3X1/4 ANGLES TO CORNER BRACKETS USING THE PROVIDED (8) 5/8" DIA. BOLTS, (4) BOLTS PER CONNECTION.
3		3	162" LONG, P2 1/2 STD	CONNECT NEW HORIZONTAL TO ALL EXISTING VERTICAL MOUNT PIPES WITH CROSSOVER PLATES (PART #: VZWSMART-MSK1). RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE.

NOTES.
MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.



1 PROPOSED ISOMETRIC VIEW
SCALE : N.T.S.



2 PROPOSED SIDE ELEVATION VIEW (TYP. ALL SECTORS)
SCALE : N.T.S.

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SCALE:	JOB NUMBER:
AS SHOWN	21777453A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
1	11/03/2021	ISSUED FOR CONSTRUCTION	DC	JL
0	10/22/21	ISSUED FOR CONSTRUCTION	FAC	JL

STATE OF CONNECTICUT — JUSTIN PETER LINETTE — 31965 — LICENSED PROFESSIONAL ENGINEER

Digitally signed by Justin Peter Linette
Date: 2021.11.03 17:04:34-04'00'

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

SITE NAME:

WEST GRANBY CT
468847

8 UPPER MEADOW ROAD
WEST GRANBY,
CONNECTICUT 06090
HARTFORD COUNTY

Colliers Engineering & Design
STAMFORD
1055 Washington Boulevard
Stamford, CT 06901
Phone: 203.324.0800
COLLIERS ENGINEERING & DESIGN CT, P.C.
DOING BUSINESS AS MASER CONSULTING

SHEET TITLE:
MODIFICATION DETAILS

SHEET NUMBER:
SS-1

SUPPLEMENTAL

SHEET NUMBER: R-605

REVISION: -