MJ Umali, Site Acquisition Consultant
c/o Cellco Partnership d/b/a Verizon Wireless
Centerline Communications, LLC
750 West Center Street, Floor 3
West Bridgewater, MA 02379
Mobile: (978) 568-7906
MUmali@centerlinecommunications.com

August 11, 2021

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

RE: Notice of Exempt Modification // Site: BEACON FALLS II CT (ATC: 370641)
401-411 Lopus Road, Beacon Falls, CT 06403
N 41.4328 // W 73.0702

Dear Ms. Bachman:

Cellco Partnership d/b/a Verizon Wireless currently maintains 4 antennas at the 115-ft level on the existing 149 foot monopole tower, located at 401-411 Lopus Road, Beacon Falls, CT. The tower is owned by American Tower. The property is owned by GTP No Pay Vendor. The tower was originally approved by the Council in 2017. Verizon Wireless now intends to add23 new antennas for the LTE (3700 MHz) replacements for its 5G upgrade. Additionally, Verizon Wireless will add 2 Remote Radio Head (RRHs); 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 Gerard Smith, First Selectman, its Zoning Enforcement Officer, Mike Mormile, American Tower, the tower owner, and the property owner, GTP.

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 June 30, 2021 by Dewberry Engineers, Inc., a structural analysis dated April 29, 2021 by A.T. Engineering Service, PLLC., and a structural mount analysis by Maser Consulting Connecticut date June 24, 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 A.T. Engineering Service, PLLC, dated April 29, 2021, and a structural mount analysis by Maser Consulting Connecticut, dated June 24, 2021, pursuant to certain conditions defined therein. Design and engineering is fully illustrated within final construction drawings, signed and stamped dated June 30, 2021.

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,

MJ Umali

MJ Umali, Site Acquisition Consultant
c/o Cellco Partnership d/b/a Verizon Wireless
Centerline Communications, LLC
750 West Center Street, Floor 3
West Bridgewater, MA 02379
Mobile: (978) 568-7906
MUmali@centerlinecommunications.com

Attachments

cc: Gerard Smith, First Selectman – Chief Elected Official
Mike Mormile, Zoning Enforcement Officer – P&Z Official
American Tower Corporation - as tower owner
GTP – as ground owner

UPS CampusShip: View/Print Label

1. **Ensure there are no other shipping or tracking labels attached to your package.** Select the Print button on the print dialog box that appears. Note: If your browser does not support this function select Print from the File menu to print the label.

2. **Fold the printed label at the solid line below.** Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.

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

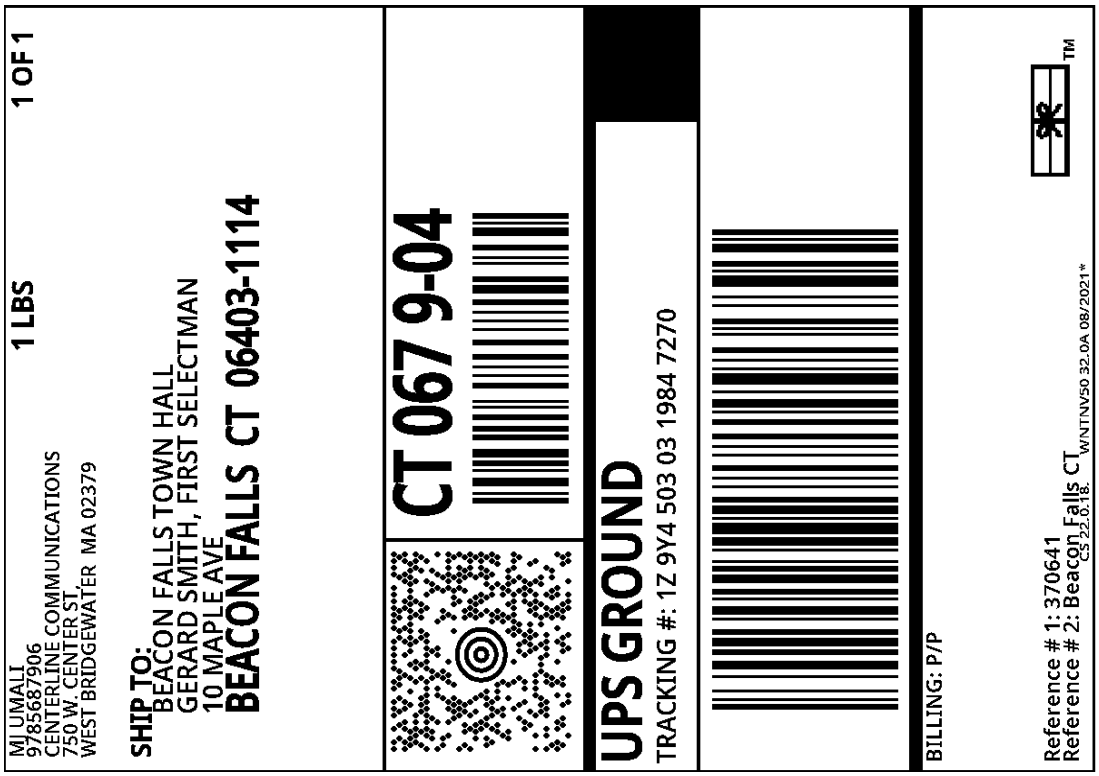
   Customers without a Daily Pickup
   Take your package to any location of The UPS Store®, UPS Access Point(TM) location, UPS Drop Box, UPS Customer Center, Staples® or Authorized Shipping Outlet near you. Items sent via UPS Return Services(SM) (including via Ground) are also accepted at Drop Boxes. To find the location nearest you, please visit the Resources area of CampusShip and select UPS Locations.
   Schedule a same day or future day Pickup to have a UPS driver pickup all your CampusShip packages.
   Hand the package to any UPS driver in your area.

UPS Access Point™
CVS STORE # 972
555 WASHINGTON ST
SOUTH EASTON ,MA 02375

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

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

FOLD HERE



UPS CampusShip: View/Print Label

1. **Ensure there are no other shipping or tracking labels attached to your package.** Select the Print button on the print dialog box that appears. Note: If your browser does not support this function select Print from the File menu to print the label.

2. **Fold the printed label at the solid line below.** Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.

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

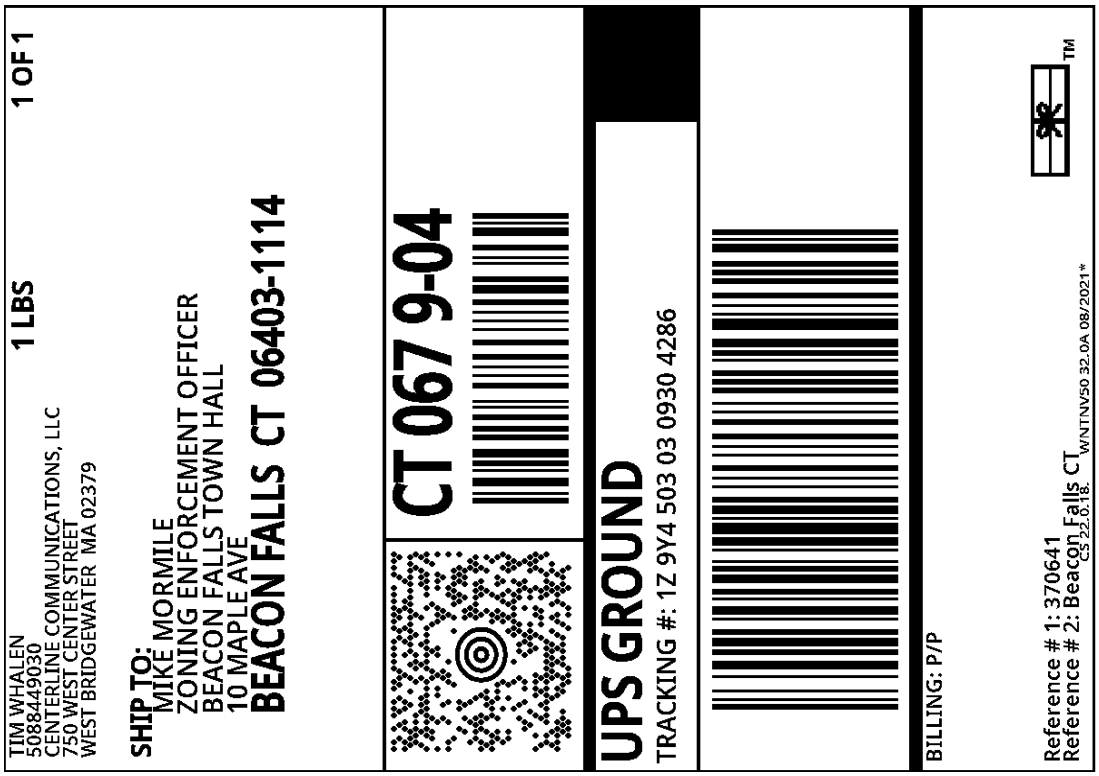
   Customers without a Daily Pickup
   Take your package to any location of The UPS Store®, UPS Access Point(TM) location, UPS Drop Box, UPS Customer Center, Staples® or Authorized Shipping Outlet near you. Items sent via UPS Return Services(SM) (including via Ground) are also accepted at Drop Boxes. To find the location nearest you, please visit the Resources area of CampusShip and select UPS Locations.
   Schedule a same day or future day Pickup to have a UPS driver pickup all your CampusShip packages.
   Hand the package to any UPS driver in your area.

UPS Access Point™
CVS STORE # 972
555 WASHINGTON ST
SOUTH EASTON ,MA 02375

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

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

FOLD HERE



UPS CampusShip: View/Print Label

1. **Ensure there are no other shipping or tracking labels attached to your package.** Select the Print button on the print dialog box that appears. Note: If your browser does not support this function select Print from the File menu to print the label.

2. **Fold the printed label at the solid line below.** Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.

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

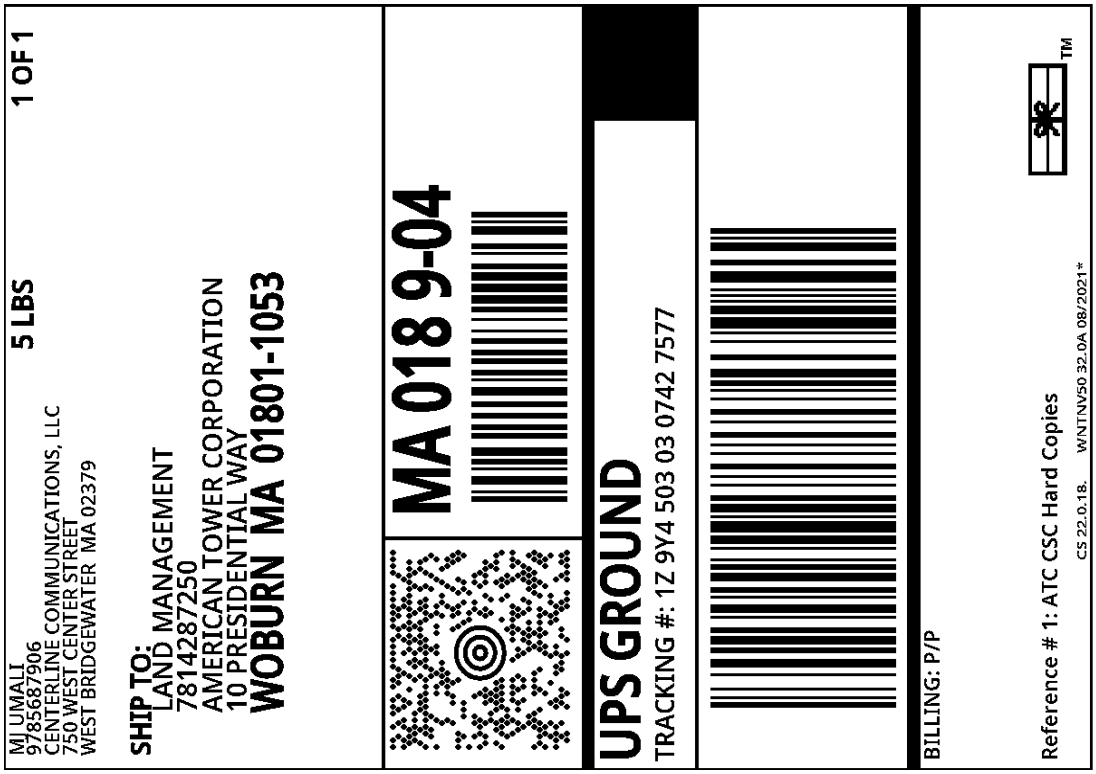
   Customers without a Daily Pickup
   Take your package to any location of The UPS Store®, UPS Access Point(TM) location, UPS Drop Box, UPS Customer Center, Staples® or Authorized Shipping Outlet near you. Items sent via UPS Return Services(SM) (including via Ground) are also accepted at Drop Boxes. To find the location nearest you, please visit the Resources area of CampusShip and select UPS Locations.
   Schedule a same day or future day Pickup to have a UPS driver pickup all your CampusShip packages.
   Hand the package to any UPS driver in your area.

UPS Access Point™
CVS STORE # 972
555 WASHINGTON ST
SOUTH EASTON ,MA 02375

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

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

FOLD HERE



UPS CampusShip: View/Print Label

1. **Ensure there are no other shipping or tracking labels attached to your package.** Select the Print button on the print dialog box that appears. Note: If your browser does not support this function select Print from the File menu to print the label.

2. **Fold the printed label at the solid line below.** Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.

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

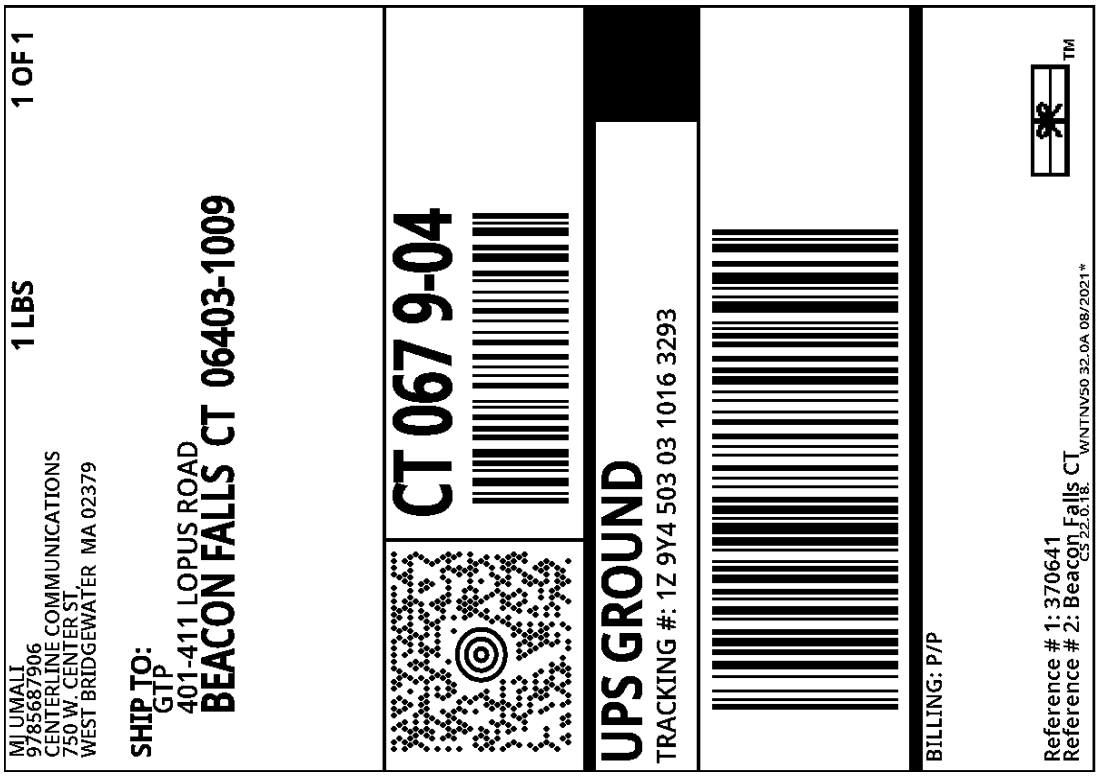
   Customers without a Daily Pickup
   Take your package to any location of The UPS Store®, UPS Access Point(TM) location, UPS Drop Box, UPS Customer Center, Staples® or Authorized Shipping Outlet near you. Items sent via UPS Return Services(SM) (including via Ground) are also accepted at Drop Boxes. To find the location nearest you, please visit the Resources area of CampusShip and select UPS Locations.
   Schedule a same day or future day Pickup to have a UPS driver pickup all your CampusShip packages.
   Hand the package to any UPS driver in your area.

UPS Access Point™
CVS STORE # 972
555 WASHINGTON ST
SOUTH EASTON ,MA 02375

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

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

FOLD HERE



AMERICAN TOWER®
CORPORATION

Structural Analysis Report

Structure	:	**149 ft Monopole**
ATC Site Name	:	**Beacon Falls CT, CT**
ATC Asset Number	:	**370641**
Engineering Number	:	**13668730_C3_01**
Proposed Carrier	:	**VERIZON WIRELESS**
Carrier Site Name	:	**BEACON FALLS II CT**
Carrier Site Number	:	**470974**
Site Location	:	**401-411 Lopus Road** **Beacon Falls, CT 06403-0000** **41.432800,-73.070200**
County	:	**New Haven**
Date	:	**April 29, 2021**
Max Usage	:	**39%**
Result	:	**Pass**

Prepared By:
Pedro Morales Mendoza
Engineer Intern

Reviewed By:

COA: PEC.0001553

AMERICAN TOWER®
CORPORATION

Table of Contents

Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 149 ft monopole to reflect the change in loading by VERIZON WIRELESS.

Supporting Documents

Tower Drawings	EEI Job #13674, dated October 19, 2005
Foundation Drawing	EEI Job #13674, dated October 19, 2005
Geotechnical Report	Tectonic Project #3917.BEACON, dated August 17, 2005

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:	118 mph (3-Second Gust)
Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ 1" radial ice concurrent
Code:	ANSI/TIA-222-H / 2015 IBC / 2018 Connecticut State Building Code
Exposure Category:	B
Risk Category:	II
Topographic Factor Procedure:	Method 1
Topographic Category:	1
Crest Height (H):	0 ft
Spectral Response:	Ss = 0.20, S_1 = 0.05
Site Class:	D - Stiff Soil

Conclusion

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

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

Existing and Reserved Equipment

Elev.[1] (ft)	Qty	Antenna	Mount Type	Lines	Carrier
145.0	6	Powerwave Allgon LGP21401	Low Profile Platform	(1) 3" conduit (1) 0.39" (10mm) Fiber Trunk (2) 0.78" (19.7mm) 8 AWG 6 (12) 1 5/8" Coax (1) 2" conduit	AT&T MOBILITY
	6	Powerwave Allgon 7020.00 Dual Band RET			
	6	Powerwave Allgon LGP13519			
	3	Ericsson RRUS 32 B2			
	6	Allgon 7770.00			
	3	CCI HPA-65R-BUU-H6			
	1	Raycap DC6-48-60-18-8F ("Squid")			
	3	Ericsson RRUS 11 (Band 12)			
135.0	3	RFS APXVAARR24_43-U-NA20	T-Arm	(4) 1 5/8" (1.63"-41.3mm) Fiber (6) 1 5/8" Coax	T-MOBILE
	3	Ericsson AIR 21, 1.3M, B2A B4P (91.5 lbs)			
	3	Ericsson AIR 21 B4A B2P			
	3	Ericsson KRY 112 144/1			
	3	Ericsson Radio 4449 B12,B71			
127.0	3	Generic 34" x 6" Panel	Flush	(6) 1 5/8" Coax	METRO PCS INC
115.0	2	Samsung B5/B13 RRH-BR04C	Low Profile Platform	(2) 1 5/8" Hybriflex	VERIZON WIRELESS
	2	Samsung B2/B66A RRH-BR049			
	1	RFS DB-B1-6C-12AB-0Z			
	4	JMA Wireless MX06FRO660-02			

Equipment to be Removed

Elev.[1] (ft)	Qty	Antenna	Mount Type	Lines	Carrier
No loading was considered as removed as part of this analysis.					

Proposed Equipment

Elev.[1] (ft)	Qty	Antenna	Mount Type	Lines	Carrier
115.0	2	Samsung B5/B13 RRH-BR04C	Low Profile Platform	-	VERIZON WIRELESS
	2	Samsung MT6407-77A			

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

Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Anchor Bolts	30%	Pass
Shaft	33%	Pass
Base Plate	17%	Pass

Foundations

Reaction Component	Original Design Reactions	Factored Design Reactions*	Analysis Reactions	% of Design
Moment (Kips-Ft)	3,762.3	5,079.1	1,852.5	36%
Shear (Kips)	34.9	47.1	18.5	39%
* The design reactions are factored by 1.35 per ANSI/TIA-222-H, Sec. 15.6.2				

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

Deflection and Sway*

Antenna Elevation (ft)	Antenna	Carrier	Deflection (ft)	Sway (Rotation) (°)
115.0	Samsung B5/B13 RRH-BR04C	VERIZON WIRELESS	0.535	0.583
	Samsung MT6407-77A			

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

Standard Conditions

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

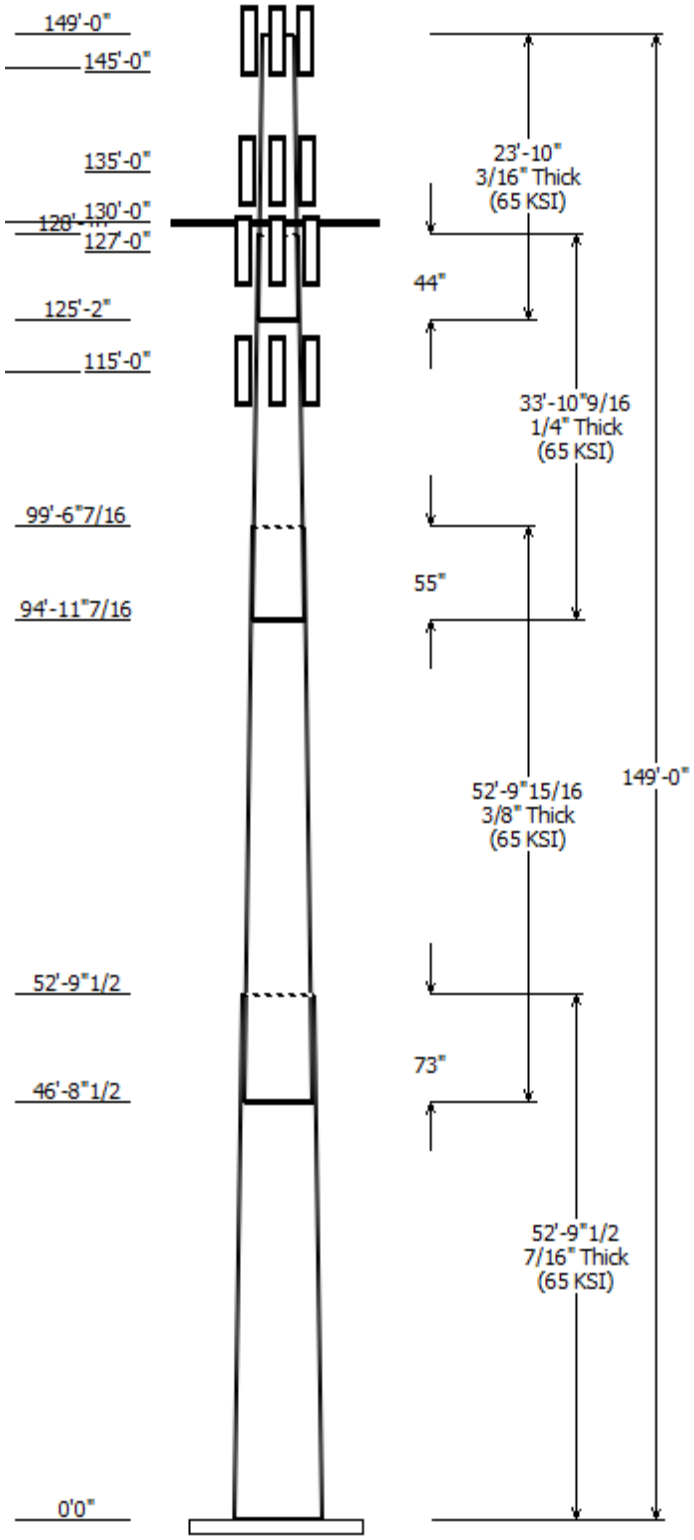
- Information supplied by the client regarding antenna, mounts and feed line loading
- Information from drawings, design and analysis documents, and field notes in the possession of A.T. Engineering Service, PLLC

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

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

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

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



Job Information

Client :	VERIZON WIRELESS		
Pole :	370641	Code:	ANSI/TIA-222-H
Location :	Beacon Falls CT, CT		
Description :	149 ft EEI Monopole	Risk Category :	II
Shape :	18 Sides	Exposure :	B
Height :	149.00 (ft)	Topo Method :	Method 1
Base Elev (ft):	0.00	Topographic Category :	1
Taper:	0.262584 (in/ft)		

Sections Properties

Shaft Section	Length (ft)	Diameter (in) Accross Flats Top	Bottom	Thick (in)	Joint Type	Overlap Length (in)	Shape	Steel Grade (ksi)
1	52.790	42.13	56.00	0.438		0.000	18 Sides	65
2	52.830	30.61	44.48	0.375	Slip Joint	73.000	18 Sides	65
3	33.880	23.42	32.31	0.250	Slip Joint	55.000	18 Sides	65
4	23.833	18.50	24.75	0.188	Slip Joint	44.000	18 Sides	65

Discrete Appurtenance

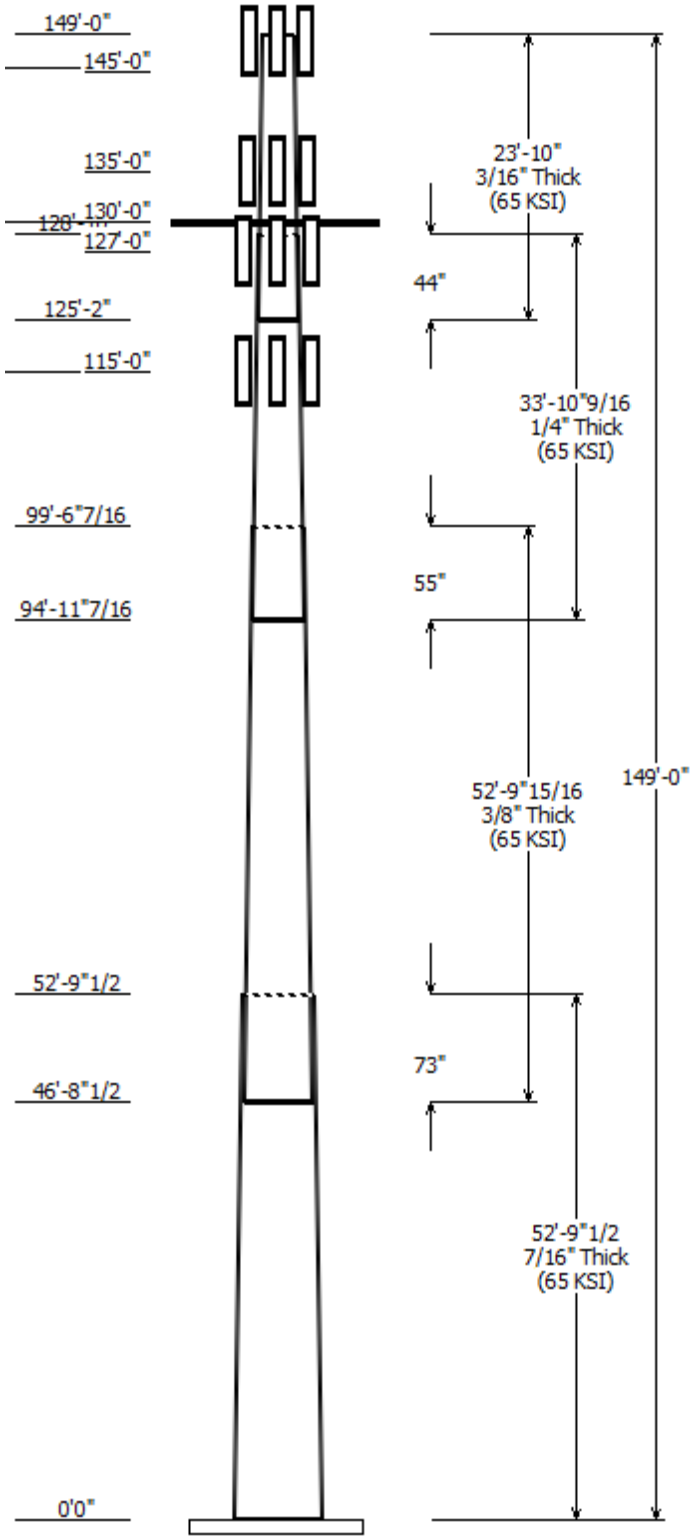
Attach Elev (ft)	Force Elev (ft)	Qty	Description
145.500	145.500	1	Generic Flat Low Profile Platf
145.000	147.000	3	CCI HPA-65R-BUU-H6
145.000	147.000	6	Allgon 7770.00
145.000	147.000	3	Ericsson RRUS 11 (Band 12)
145.000	147.000	1	Raycap DC6-48-60-18-8F
145.000	147.000	6	Powerwave Allgon LGP21401
145.000	145.000	3	Ericsson RRUS 32 B2
145.000	145.000	6	Powerwave Allgon 7020.00
145.000	147.000	6	Powerwave Allgon LGP13519
135.000	135.000	3	RFS APXVAARR24_43-U-NA20
135.000	135.000	3	Ericsson AIR 21, 1.3M, B2A B4P
135.000	135.000	3	Ericsson AIR 21 B4A B2P
135.000	135.000	3	Ericsson Radio 4449 B12,B71
135.000	137.000	3	Ericsson KRY 112 144/1
130.000	130.000	3	Round T-Arm
127.000	127.000	3	Generic 34" x 6" Panel
115.000	115.000	1	Generic Round Low Profile
115.000	115.000	4	JMA Wireless MX06FRO660-02
115.000	115.000	2	Samsung MT6407-77A
115.000	117.000	1	RFS DB-B1-6C-12AB-0Z
115.000	115.000	2	Samsung B2/B66A RRH-BR049
115.000	115.000	2	Samsung B5/B13 RRH-BR04C
115.000	115.000	2	Samsung B5/B13 RRH-BR04C

Linear Appurtenance

Elev (ft) From	To	Description	Exposed To Wind
0.000	115.0	1 5/8" Hybriflex	No
0.000	127.0	1 5/8" Coax	No
0.000	135.0	1 5/8" (1.63"-	No
0.000	135.0	1 5/8" Coax	No
0.000	145.0	0.39" (10mm)	No
0.000	145.0	0.78" (19.7mm) 8	No
0.000	145.0	1 5/8" Coax	No
0.000	145.0	2" conduit	No
0.000	147.0	3" conduit	No

Load Cases

1.2D + 1.0W	118 mph with No Ice



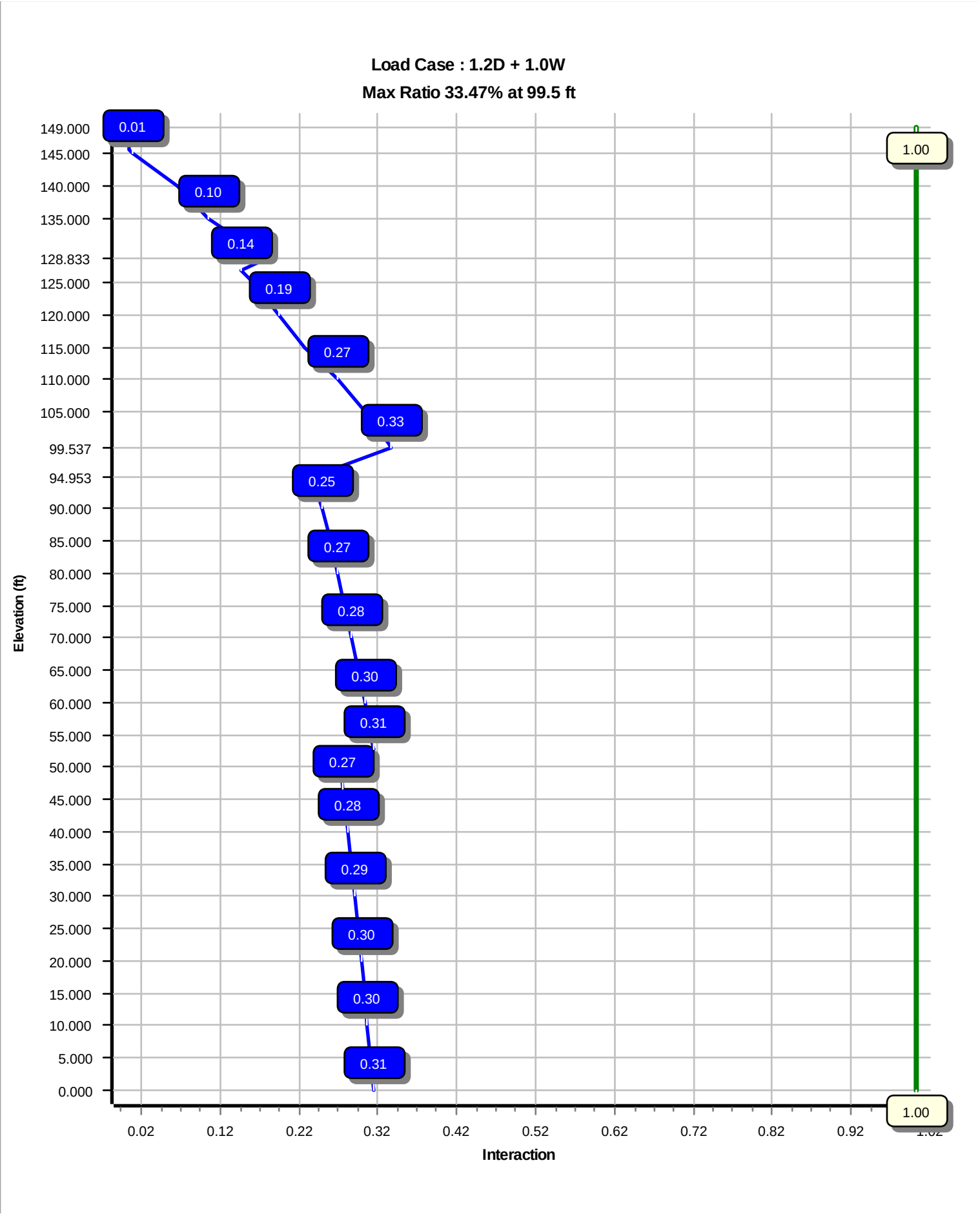
0.9D + 1.0W	118 mph with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	50 mph with 1.00 in Radial Ice
1.2D + 1.0Ev + 1.0Eh	Seismic
0.9D - 1.0Ev + 1.0Eh	Seismic (Reduced DL)
1.0D + 1.0W	Serviceability 60 mph

Reactions

Load Case	Moment (kip-ft)	Shear (kip)	Axial (kip)
1.2D + 1.0W	1852.54	18.52	44.08
0.9D + 1.0W	1837.57	18.51	33.06
1.2D + 1.0Di + 1.0Wi	502.98	5.18	55.78
1.2D + 1.0Ev + 1.0Eh	125.80	1.10	43.79
0.9D - 1.0Ev + 1.0Eh	124.56	1.10	30.22
1.0D + 1.0W	426.32	4.28	36.75

Dish Deflections

Load Case	Attach Elev (ft)	Deflection (in)	Rotation (deg)
	0.00	0.000	0.000


Load Case : 1.2D + 1.0W
Max Ratio 33.47% at 99.5 ft
Elevation (ft)
149.000
145.000
140.000
135.000
128.833
125.000
120.000
115.000
110.000
105.000
99.537
94.953
90.000
85.000
80.000
75.000
70.000
65.000
60.000
55.000
50.000
45.000
40.000
35.000
30.000
25.000
20.000
15.000
10.000
5.000
0.000
0.01
0.10
0.14
0.19
0.27
0.33
0.25
0.27
0.28
0.30
0.31
0.27
0.28
0.29
0.30
0.30
0.31
1.00
1.00
0.02
0.12
0.22
0.32
0.42
0.52
0.62
0.72
0.82
0.92
Interaction

Site Number: 370641 Code: ANSI/TIA-222-H

Site Name: Beacon Falls CT, CT Engineering Number:13668730_C3_01 4/29/2021 3:57:05 PM

Customer: VERIZON WIRELESS

Analysis Parameters

Location :	New Haven County, CT	Height (ft) :	149
Code :	ANSI/TIA-222-H	Base Diameter (in) :	56.00
Shape :	18 Sides	Top Diameter (in) :	18.50
Pole Type :	Taper	Taper (in/ft) :	0.263
Pole Manfacturer :	EEI	Rotation (deg) :	0.00
Kd (non-service) :	0.95	Ke :	0.99

Ice & Wind Parameters

Exposure Category:	B	Design Wind Speed Without Ice:	118 mph
Risk Category:	II	Design Wind Speed With Ice:	50 mph
Topographic Factor Procedure:	Method 1	Operational Wind Speed:	60 mph
Topographic Category:	1	Design Ice Thickness:	1.00 in
Crest Height:	0 ft	HMSL:	159.00 ft

Seismic Parameters

Analysis Method:	Equivalent Lateral Force Method				
Site Class:	D - Stiff Soil				
Period Based on Rayleigh Method (sec):	1.95				
T_L (sec):	6	p:	1	C_s:	0.030
S_s:	0.199	S_1:	0.054	C_s Max:	0.030
F_a:	1.600	F_v:	2.400	C_s Min:	0.030
S_{ds}:	0.212	S_{d1}:	0.086		

Load Cases

1.2D + 1.0W	118 mph with No Ice
0.9D + 1.0W	118 mph with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	50 mph with 1.00 in Radial Ice
1.2D + 1.0Ev + 1.0Eh	Seismic
0.9D - 1.0Ev + 1.0Eh	Seismic (Reduced DL)
1.0D + 1.0W	Serviceability 60 mph

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 (ft)	Top Area (in²)	Top Ix (in⁴)	Top W/t Ratio	Top D/t Ratio	Taper (in/ft)
1-18	52.790	0.4375	65		0.00	12,130	56.00	0.00	77.15	30093.2	20.81	128.00	42.13	52.79	57.90	12721.9	15.22	96.32	0.262584
2-18	52.830	0.3750	65	Slip	73.00	7,954	44.48	46.71	52.50	12906.4	19.15	118.63	30.61	99.54	35.99	4157.6	12.63	81.64	0.262584
3-18	33.880	0.2500	65	Slip	55.00	2,526	32.31	94.95	25.44	3305.6	21.03	129.27	23.42	128.83	18.39	1247.1	14.76	93.68	0.262584
4-18	23.833	0.1875	65	Slip	44.00	1,035	24.75	125.17	14.62	1115.3	21.52	132.04	18.50	149.00	10.90	461.7	15.63	98.67	0.262584
				Shaft Weight		23,646													

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
145.50	Generic Flat Low Profile Platform	1	1.00	0.000	1,875.00	26.100	1.00	2,414.28	38.813	1.00
145.00	Powerwave Allgon LGP13519	6	0.80	2.000	5.30	0.290	0.50	11.60	0.547	0.50
145.00	Powerwave Allgon 7020.00 Dual	6	0.80	0.000	2.20	0.339	0.50	8.99	0.611	0.50
145.00	Powerwave Allgon LGP21401	6	0.80	2.000	14.10	1.104	0.50	30.68	1.578	0.50
145.00	Raycap DC6-48-60-18-8F	1	0.80	2.000	31.80	1.470	1.00	72.81	1.934	1.00
145.00	Ericsson RRUS 11 (Band 12)	3	0.80	2.000	50.00	2.566	0.67	95.31	3.262	0.67
145.00	Ericsson RRUS 32 B2	3	0.80	0.000	53.00	2.743	0.67	101.88	3.520	0.67
145.00	Allgon 7770.00	6	0.80	2.000	35.00	5.508	0.65	117.88	6.191	0.65
145.00	CCI HPA-65R-BUU-H6	3	0.80	2.000	51.00	9.658	0.69	196.81	11.500	0.69
135.00	Ericsson KRY 112 144/1	3	0.80	2.000	11.00	0.351	0.50	18.10	0.619	0.50
135.00	Ericsson Radio 4449 B12,B71	3	0.80	0.000	74.00	1.639	0.50	110.94	2.196	0.50
135.00	Ericsson AIR 21 B4A B2P	3	0.80	0.000	90.00	5.800	0.71	183.16	7.178	0.71
135.00	Ericsson AIR 21, 1.3M, B2A B4P	3	0.80	0.000	91.50	6.037	0.70	187.56	7.452	0.70
135.00	RFS APXVAARR24_43-U-NA20	3	0.80	0.000	127.90	20.243	0.63	386.93	22.690	0.63
130.00	Round T-Arm	3	0.75	0.000	250.00	9.700	0.67	387.57	15.127	0.67
127.00	Generic 34" x 6" Panel	3	1.00	0.000	20.00	1.899	0.50	47.27	2.772	0.50
115.00	Samsung B5/B13 RRH-BR04C	2	0.80	0.000	70.30	1.875	0.50	107.43	2.461	0.50
115.00	Samsung B5/B13 RRH-BR04C	2	0.80	0.000	70.30	1.875	0.50	107.43	2.461	0.50
115.00	Samsung B2/B66A RRH-BR049	2	0.80	0.000	84.40	1.875	0.50	125.81	2.461	0.50
115.00	RFS DB-B1-6C-12AB-0Z	1	0.80	2.000	21.40	2.512	0.67	73.21	3.188	0.67
115.00	Samsung MT6407-77A	2	0.80	0.000	81.60	4.709	0.71	147.76	5.695	0.71
115.00	JMA Wireless MX06FRO660-02	4	0.80	0.000	46.00	9.872	0.71	201.63	11.653	0.71
115.00	Generic Round Low Profile	1	1.00	0.000	1,875.00	21.700	1.00	2,400.67	34.162	1.00
Totals	Num Loadings:23	70			7,395.20			12,905.86		

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	147.00	1	3" conduit	3.50	7.58	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
0.00	145.00	1	0.39" (10mm) Fiber	0.39	0.06	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
0.00	145.00	2	0.78" (19.7mm) 8 AWG	0.78	0.59	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
0.00	145.00	12	1 5/8" Coax	1.98	0.82	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
0.00	145.00	1	2" conduit	2.38	3.65	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
0.00	135.00	4	1 5/8" (1.63"-41.3mm)	1.63	1.61	N	0	0.00	0.00	0	0.00	N	T-MOBILE
0.00	135.00	6	1 5/8" Coax	1.98	0.82	N	0	0.00	0.00	0	0.00	N	T-MOBILE
0.00	127.00	6	1 5/8" Coax	1.98	0.82	N	0	0.00	0.00	0	0.00	N	METRO PCS INC
0.00	115.00	2	1 5/8" Hybriflex	1.98	1.30	N	0	0.00	0.00	0	0.00	N	VERIZON 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		0.4375	56.000	77.153	30,093.2	20.81	128.00	76.9	1058.	0.0	0.0
5.00		0.4375	54.687	75.330	28,009.9	20.28	125.00	77.6	1008.	0.0	1,297.2
10.00		0.4375	53.374	73.507	26,025.1	19.75	122.00	78.2	960.4	0.0	1,266.1
15.00		0.4375	52.061	71.683	24,136.3	19.22	119.00	78.8	913.1	0.0	1,235.1
20.00		0.4375	50.748	69.860	22,341.2	18.69	116.00	79.4	867.1	0.0	1,204.1
25.00		0.4375	49.435	68.037	20,637.4	18.16	113.00	80.0	822.2	0.0	1,173.1
30.00		0.4375	48.122	66.214	19,022.5	17.63	109.99	80.7	778.6	0.0	1,142.1
35.00		0.4375	46.810	64.391	17,494.1	17.10	106.99	81.3	736.1	0.0	1,111.1
40.00		0.4375	45.497	62.568	16,049.9	16.57	103.99	81.9	694.8	0.0	1,080.0
45.00		0.4375	44.184	60.745	14,687.4	16.04	100.99	82.5	654.7	0.0	1,049.0
46.71	Bot - Section 2	0.4375	43.736	60.123	14,240.6	15.86	99.97	82.6	641.3	0.0	351.0
50.00		0.4375	42.871	58.922	13,404.3	15.52	97.99	82.6	615.8	0.0	1,249.6
52.79	Top - Section 1	0.3750	42.888	50.600	11,554.4	18.40	114.37	79.8	530.6	0.0	1,039.1
55.00		0.3750	42.308	49.909	11,087.7	18.13	112.82	80.1	516.2	0.0	377.9
60.00		0.3750	40.995	48.346	10,078.5	17.51	109.32	80.8	484.2	0.0	835.8
65.00		0.3750	39.682	46.784	9,132.4	16.90	105.82	81.5	453.3	0.0	809.3
70.00		0.3750	38.369	45.221	8,247.6	16.28	102.32	82.3	423.4	0.0	782.7
75.00		0.3750	37.056	43.658	7,421.8	15.66	98.82	82.6	394.5	0.0	756.1
80.00		0.3750	35.743	42.096	6,653.0	15.04	95.32	82.6	366.6	0.0	729.5
85.00		0.3750	34.430	40.533	5,939.3	14.43	91.81	82.6	339.8	0.0	702.9
90.00		0.3750	33.117	38.970	5,278.5	13.81	88.31	82.6	313.9	0.0	676.3
94.95	Bot - Section 3	0.3750	31.817	37.422	4,674.1	13.20	84.84	82.6	289.3	0.0	643.8
95.00		0.3750	31.805	37.408	4,668.6	13.19	84.81	82.6	289.1	0.0	10.0
99.54	Top - Section 2	0.2500	31.113	24.489	2,947.2	20.18	124.45	77.7	186.6	0.0	951.9
100.0		0.2500	30.992	24.393	2,912.5	20.10	123.97	77.8	185.1	0.0	38.5
105.0		0.2500	29.679	23.351	2,555.0	19.17	118.71	78.9	169.6	0.0	406.2
110.0		0.2500	28.366	22.309	2,228.1	18.24	113.46	79.9	154.7	0.0	388.4
115.0		0.2500	27.053	21.267	1,930.3	17.32	108.21	81.0	140.5	0.0	370.7
120.0		0.2500	25.740	20.226	1,660.3	16.39	102.96	82.1	127.0	0.0	353.0
125.0		0.2500	24.427	19.184	1,416.7	15.47	97.71	82.6	114.2	0.0	335.3
125.1	Bot - Section 4	0.2500	24.383	19.149	1,409.1	15.43	97.53	82.6	113.8	0.0	10.9
127.0		0.2500	23.902	18.767	1,326.4	15.09	95.61	82.6	109.3	0.0	208.6
128.8	Top - Section 3	0.1875	23.795	14.049	989.3	20.61	126.91	77.2	81.9	0.0	204.4
130.0		0.1875	23.489	13.867	951.3	20.33	125.28	77.5	79.8	0.0	55.4
135.0		0.1875	22.176	13.086	799.4	19.09	118.27	78.9	71.0	0.0	229.3
140.0		0.1875	20.863	12.304	664.6	17.86	111.27	80.4	62.7	0.0	216.0
145.0		0.1875	19.550	11.523	545.8	16.62	104.27	81.8	55.0	0.0	202.7
145.5		0.1875	19.419	11.445	534.8	16.50	103.57	82.0	54.2	0.0	19.5
149.0		0.1875	18.500	10.898	461.7	15.63	98.67	82.6	49.2	0.0	133.0
											23,645.5

Load Case: 1.2D + 1.0W — 118 mph with No Ice — 23 Iterations

Gust Response Factor :1.10
Dead Load Factor :1.20
Wind Load Factor :1.00

Applied Segment Forces Summary

		Shaft Forces		Discrete Forces				Linear Forces		Sum of Forces			
Seg Elev (ft)	Description	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Torsion MY (lb-ft)	Moment MZ (lb)
0.00		221.6	0.0					0.0	0.0	221.6	0.0	0.0	0.0
5.00		437.9	1,556.6					0.0	247.1	437.9	1,803.7	0.0	0.0
10.00		427.4	1,519.4					0.0	247.1	427.4	1,766.5	0.0	0.0
15.00		416.9	1,482.1					0.0	247.1	416.9	1,729.3	0.0	0.0
20.00		406.4	1,444.9					0.0	247.1	406.4	1,692.1	0.0	0.0
25.00		395.8	1,407.7					0.0	247.1	395.8	1,654.8	0.0	0.0
30.00		389.9	1,370.5					0.0	247.1	389.9	1,617.6	0.0	0.0
35.00		391.7	1,333.3					0.0	247.1	391.7	1,580.4	0.0	0.0
40.00		395.6	1,296.0					0.0	247.1	395.6	1,543.2	0.0	0.0
45.00		266.3	1,258.8					0.0	247.1	266.3	1,506.0	0.0	0.0
46.71	Bot - Section 2	201.1	421.2					0.0	84.4	201.1	505.5	0.0	0.0
50.00		246.0	1,499.5					0.0	162.8	246.0	1,662.3	0.0	0.0
52.79	Top - Section 1	202.0	1,246.9					0.0	137.9	202.0	1,384.8	0.0	0.0
55.00		290.2	453.5					0.0	109.2	290.2	562.7	0.0	0.0
60.00		400.3	1,003.0					0.0	247.1	400.3	1,250.2	0.0	0.0
65.00		396.5	971.1					0.0	247.1	396.5	1,218.3	0.0	0.0
70.00		391.6	939.2					0.0	247.1	391.6	1,186.4	0.0	0.0
75.00		385.7	907.3					0.0	247.1	385.7	1,154.4	0.0	0.0
80.00		379.0	875.4					0.0	247.1	379.0	1,122.5	0.0	0.0
85.00		371.5	843.5					0.0	247.1	371.5	1,090.6	0.0	0.0
90.00		361.5	811.6					0.0	247.1	361.5	1,058.7	0.0	0.0
94.95	Bot - Section 3	179.5	772.6					0.0	244.8	179.5	1,017.4	0.0	0.0
95.00		163.0	12.0					0.0	2.3	163.0	14.3	0.0	0.0
99.54	Top - Section 2	177.6	1,142.3					0.0	224.2	177.6	1,366.5	0.0	0.0
100.00		188.9	46.2					0.0	22.9	188.9	69.1	0.0	0.0
105.00		340.1	487.4					0.0	247.1	340.1	734.5	0.0	0.0
110.00		329.4	466.1					0.0	247.1	329.4	713.3	0.0	0.0
115.00	Appurtenance(s)	318.2	444.8	2,107.6	0.0	103.1	3,232.3	0.0	247.1	2,425.8	3,924.3	0.0	0.0
120.00		306.5	423.6					0.0	231.5	306.5	655.1	0.0	0.0
125.00		155.1	402.3					0.0	231.5	155.1	633.8	0.0	0.0
125.17	Bot - Section 4	59.2	13.0					0.0	7.7	59.2	20.8	0.0	0.0
127.00	Appurtenance(s)	107.7	250.3	111.6	0.0	0.0	72.0	0.0	84.9	219.4	407.2	0.0	0.0
128.83	Top - Section 3	87.0	245.3					0.0	74.1	87.0	319.4	0.0	0.0
130.00	Appurtenance(s)	173.4	66.5	576.9	0.0	0.0	900.0	0.0	47.1	750.3	1,013.6	0.0	0.0
135.00	Appurtenance(s)	273.1	275.1	2,114.4	0.0	33.7	1,419.8	0.0	202.0	2,387.4	1,897.0	0.0	0.0
140.00		259.6	259.2					0.0	133.9	259.6	393.0	0.0	0.0
145.00	Appurtenance(s)	138.6	243.2	1,921.6	0.0	3,417.9	1,000.1	0.0	133.9	2,060.2	1,377.2	0.0	0.0
145.50	Appurtenance(s)	96.0	23.4	1,063.3	0.0	0.0	2,250.0	0.0	4.5	1,159.3	2,278.0	0.0	0.0
149.00		83.8	159.7					0.0	13.6	83.8	173.3	0.0	0.0
								Totals:		18,707.0	44,097.9	0.00	0.00

Site Number: 370641 Code: ANSI/TIA-222-H

Site Name: Beacon Falls CT, CT Engineering Number:13668730_C3_01 4/29/2021 3:57:07 PM

Customer: VERIZON WIRELESS

Load Case: 1.2D + 1.0W 118 mph with No Ice 23 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	-44.08	-18.52	0.00	-1,852.54	0.00	1,852.54	5,341.71	1,354.03	6,795.27	6,106.74	0.00	0.00	0.312
5.00	-42.25	-18.14	0.00	-1,759.95	0.00	1,759.95	5,257.68	1,322.03	6,477.96	5,867.53	0.05	-0.09	0.308
10.00	-40.46	-17.77	0.00	-1,669.24	0.00	1,669.24	5,171.61	1,290.04	6,168.24	5,630.68	0.18	-0.17	0.304
15.00	-38.71	-17.41	0.00	-1,580.37	0.00	1,580.37	5,083.50	1,258.04	5,866.11	5,396.35	0.41	-0.26	0.301
20.00	-36.99	-17.05	0.00	-1,493.32	0.00	1,493.32	4,993.34	1,226.05	5,571.56	5,164.71	0.73	-0.35	0.297
25.00	-35.31	-16.70	0.00	-1,408.04	0.00	1,408.04	4,901.14	1,194.05	5,284.60	4,935.92	1.15	-0.44	0.293
30.00	-33.67	-16.36	0.00	-1,324.52	0.00	1,324.52	4,806.90	1,162.06	5,005.22	4,710.14	1.67	-0.54	0.288
35.00	-32.06	-16.00	0.00	-1,242.74	0.00	1,242.74	4,710.62	1,130.06	4,733.44	4,487.55	2.28	-0.63	0.284
40.00	-30.50	-15.64	0.00	-1,162.73	0.00	1,162.73	4,612.30	1,098.07	4,469.24	4,268.32	3.00	-0.73	0.279
45.00	-28.98	-15.39	0.00	-1,084.52	0.00	1,084.52	4,511.93	1,066.07	4,212.62	4,052.61	3.82	-0.83	0.274
46.71	-28.46	-15.21	0.00	-1,058.25	0.00	1,058.25	4,466.81	1,055.15	4,126.76	3,970.57	4.12	-0.87	0.273
50.00	-26.79	-14.96	0.00	-1,008.18	0.00	1,008.18	4,377.60	1,034.08	3,963.59	3,812.78	4.75	-0.94	0.271
52.79	-25.39	-14.76	0.00	-966.43	0.00	966.43	3,632.02	888.02	3,410.01	3,174.03	5.31	-0.99	0.312
55.00	-24.82	-14.50	0.00	-933.81	0.00	933.81	3,596.86	875.90	3,317.57	3,100.03	5.78	-1.04	0.308
60.00	-23.54	-14.12	0.00	-861.33	0.00	861.33	3,515.84	848.48	3,113.10	2,934.48	6.93	-1.16	0.300
65.00	-22.31	-13.74	0.00	-790.73	0.00	790.73	3,432.77	821.05	2,915.14	2,771.69	8.21	-1.27	0.292
70.00	-21.10	-13.37	0.00	-722.01	0.00	722.01	3,347.66	793.63	2,723.68	2,611.84	9.60	-1.39	0.283
75.00	-19.93	-12.99	0.00	-655.17	0.00	655.17	3,243.59	766.20	2,538.72	2,442.34	11.12	-1.51	0.275
80.00	-18.79	-12.62	0.00	-590.20	0.00	590.20	3,127.49	738.78	2,360.26	2,269.78	12.77	-1.63	0.266
85.00	-17.69	-12.26	0.00	-527.08	0.00	527.08	3,011.40	711.35	2,188.31	2,103.54	14.54	-1.75	0.257
90.00	-16.62	-11.90	0.00	-465.79	0.00	465.79	2,895.30	683.93	2,022.86	1,943.62	16.43	-1.87	0.246
94.95	-15.59	-11.70	0.00	-406.86	0.00	406.86	2,780.28	656.76	1,865.37	1,791.43	18.43	-1.98	0.233
95.00	-15.58	-11.55	0.00	-406.31	0.00	406.31	2,779.20	656.50	1,863.91	1,790.03	18.45	-1.98	0.233
99.54	-14.20	-11.34	0.00	-353.91	0.00	353.91	1,711.73	429.78	1,198.10	1,086.74	20.39	-2.09	0.335
100.00	-14.13	-11.17	0.00	-348.66	0.00	348.66	1,707.20	428.09	1,188.67	1,079.56	20.59	-2.10	0.332
105.00	-13.38	-10.84	0.00	-292.82	0.00	292.82	1,657.18	409.81	1,089.32	1,002.81	22.88	-2.26	0.301
110.00	-12.65	-10.51	0.00	-238.64	0.00	238.64	1,605.11	391.52	994.30	927.61	25.32	-2.41	0.266
115.00	-8.82	-7.94	0.00	-185.98	0.00	185.98	1,551.00	373.24	903.62	854.11	27.92	-2.54	0.224
120.00	-8.16	-7.62	0.00	-146.30	0.00	146.30	1,494.85	354.96	817.27	782.50	30.64	-2.66	0.193
125.00	-7.53	-7.44	0.00	-108.22	0.00	108.22	1,425.26	336.68	735.26	707.26	33.49	-2.77	0.159
125.17	-7.51	-7.38	0.00	-106.98	0.00	106.98	1,422.68	336.07	732.60	704.69	33.59	-2.78	0.158
127.00	-7.11	-7.15	0.00	-93.45	0.00	93.45	1,394.30	329.36	703.67	676.72	34.66	-2.81	0.144
128.83	-6.79	-7.05	0.00	-80.34	0.00	80.34	975.56	246.56	525.75	473.84	35.75	-2.85	0.177
130.00	-5.81	-6.25	0.00	-72.12	0.00	72.12	967.13	243.36	512.20	463.60	36.45	-2.87	0.162
135.00	-4.03	-3.78	0.00	-40.82	0.00	40.82	929.74	229.65	456.11	420.37	39.50	-2.95	0.102
140.00	-3.65	-3.50	0.00	-21.93	0.00	21.93	890.31	215.94	403.28	378.30	42.62	-3.01	0.062
145.00	-2.38	-1.37	0.00	-1.01	0.00	1.01	848.83	202.23	353.69	337.57	45.79	-3.04	0.006
145.50	-0.17	-0.09	0.00	-0.32	0.00	0.32	844.57	200.86	348.91	333.57	46.11	-3.04	0.001
149.00	0.00	-0.08	0.00	0.00	0.00	0.00	809.65	191.26	316.37	304.35	48.33	-3.04	0.000

Load Case: 0.9D + 1.0W — 118 mph with No Ice (Reduced DL) — 23 Iterations

Gust Response Factor :1.10
Dead Load Factor :0.90
Wind Load Factor :1.00

Applied Segment Forces Summary

		Shaft Forces		Discrete Forces				Linear Forces		Sum of Forces			
Seg Elev (ft)	Description	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Torsion MY (lb-ft)	Moment MZ (lb)
0.00		221.6	0.0					0.0	0.0	221.6	0.0	0.0	0.0
5.00		437.9	1,167.4					0.0	185.4	437.9	1,352.8	0.0	0.0
10.00		427.4	1,139.5					0.0	185.4	427.4	1,324.9	0.0	0.0
15.00		416.9	1,111.6					0.0	185.4	416.9	1,297.0	0.0	0.0
20.00		406.4	1,083.7					0.0	185.4	406.4	1,269.0	0.0	0.0
25.00		395.8	1,055.8					0.0	185.4	395.8	1,241.1	0.0	0.0
30.00		389.9	1,027.9					0.0	185.4	389.9	1,213.2	0.0	0.0
35.00		391.7	999.9					0.0	185.4	391.7	1,185.3	0.0	0.0
40.00		395.6	972.0					0.0	185.4	395.6	1,157.4	0.0	0.0
45.00		266.3	944.1					0.0	185.4	266.3	1,129.5	0.0	0.0
46.71	Bot - Section 2	201.1	315.9					0.0	63.3	201.1	379.1	0.0	0.0
50.00		246.0	1,124.6					0.0	122.1	246.0	1,246.7	0.0	0.0
52.79	Top - Section 1	202.0	935.2					0.0	103.4	202.0	1,038.6	0.0	0.0
55.00		290.2	340.1					0.0	81.9	290.2	422.0	0.0	0.0
60.00		400.3	752.3					0.0	185.4	400.3	937.6	0.0	0.0
65.00		396.5	728.3					0.0	185.4	396.5	913.7	0.0	0.0
70.00		391.6	704.4					0.0	185.4	391.6	889.8	0.0	0.0
75.00		385.7	680.5					0.0	185.4	385.7	865.8	0.0	0.0
80.00		379.0	656.6					0.0	185.4	379.0	841.9	0.0	0.0
85.00		371.5	632.6					0.0	185.4	371.5	818.0	0.0	0.0
90.00		361.5	608.7					0.0	185.4	361.5	794.1	0.0	0.0
94.95	Bot - Section 3	179.5	579.4					0.0	183.6	179.5	763.1	0.0	0.0
95.00		163.0	9.0					0.0	1.7	163.0	10.7	0.0	0.0
99.54	Top - Section 2	177.6	856.7					0.0	168.2	177.6	1,024.9	0.0	0.0
100.00		188.9	34.7					0.0	17.2	188.9	51.9	0.0	0.0
105.00		340.1	365.5					0.0	185.4	340.1	550.9	0.0	0.0
110.00		329.4	349.6					0.0	185.4	329.4	534.9	0.0	0.0
115.00	Appurtenance(s)	318.2	333.6	2,107.6	0.0	103.1	2,424.2	0.0	185.4	2,425.8	2,943.2	0.0	0.0
120.00		306.5	317.7					0.0	173.7	306.5	491.3	0.0	0.0
125.00		155.1	301.7					0.0	173.7	155.1	475.4	0.0	0.0
125.17	Bot - Section 4	59.2	9.8					0.0	5.8	59.2	15.6	0.0	0.0
127.00	Appurtenance(s)	107.7	187.7	111.6	0.0	0.0	54.0	0.0	63.7	219.4	305.4	0.0	0.0
128.83	Top - Section 3	87.0	184.0					0.0	55.6	87.0	239.5	0.0	0.0
130.00	Appurtenance(s)	173.4	49.9	576.9	0.0	0.0	675.0	0.0	35.4	750.3	760.2	0.0	0.0
135.00	Appurtenance(s)	273.1	206.4	2,114.4	0.0	33.7	1,064.9	0.0	151.5	2,387.4	1,422.7	0.0	0.0
140.00		259.6	194.4					0.0	100.4	259.6	294.8	0.0	0.0
145.00	Appurtenance(s)	138.6	182.4	1,921.6	0.0	3,417.9	750.1	0.0	100.4	2,060.2	1,032.9	0.0	0.0
145.50	Appurtenance(s)	96.0	17.6	1,063.3	0.0	0.0	1,687.5	0.0	3.4	1,159.3	1,708.5	0.0	0.0
149.00		83.8	119.7					0.0	10.2	83.8	130.0	0.0	0.0
								Totals:		18,707.0	33,073.4	0.00	0.00

Load Case: 0.9D + 1.0W 118 mph with No Ice (Reduced DL) 23 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	-33.06	-18.51	0.00	-1,837.57	0.00	1,837.57	5,341.71	1,354.03	6,795.27	6,106.74	0.00	0.00	0.307
5.00	-31.68	-18.12	0.00	-1,745.02	0.00	1,745.02	5,257.68	1,322.03	6,477.96	5,867.53	0.05	-0.08	0.304
10.00	-30.33	-17.73	0.00	-1,654.43	0.00	1,654.43	5,171.61	1,290.04	6,168.24	5,630.68	0.18	-0.17	0.300
15.00	-29.01	-17.36	0.00	-1,565.76	0.00	1,565.76	5,083.50	1,258.04	5,866.11	5,396.35	0.41	-0.26	0.296
20.00	-27.71	-16.99	0.00	-1,478.97	0.00	1,478.97	4,993.34	1,226.05	5,571.56	5,164.71	0.73	-0.35	0.292
25.00	-26.45	-16.63	0.00	-1,394.03	0.00	1,394.03	4,901.14	1,194.05	5,284.60	4,935.92	1.14	-0.44	0.288
30.00	-25.21	-16.27	0.00	-1,310.90	0.00	1,310.90	4,806.90	1,162.06	5,005.22	4,710.14	1.65	-0.53	0.284
35.00	-24.00	-15.90	0.00	-1,229.57	0.00	1,229.57	4,710.62	1,130.06	4,733.44	4,487.55	2.26	-0.63	0.279
40.00	-22.82	-15.53	0.00	-1,150.05	0.00	1,150.05	4,612.30	1,098.07	4,469.24	4,268.32	2.97	-0.73	0.275
45.00	-21.68	-15.28	0.00	-1,072.38	0.00	1,072.38	4,511.93	1,066.07	4,212.62	4,052.61	3.79	-0.82	0.270
46.71	-21.29	-15.09	0.00	-1,046.31	0.00	1,046.31	4,466.81	1,055.15	4,126.76	3,970.57	4.09	-0.86	0.268
50.00	-20.03	-14.85	0.00	-996.61	0.00	996.61	4,377.60	1,034.08	3,963.59	3,812.78	4.70	-0.93	0.266
52.79	-18.98	-14.64	0.00	-955.19	0.00	955.19	3,632.02	888.02	3,410.01	3,174.03	5.26	-0.98	0.306
55.00	-18.55	-14.37	0.00	-922.83	0.00	922.83	3,596.86	875.90	3,317.57	3,100.03	5.73	-1.03	0.303
60.00	-17.59	-13.99	0.00	-850.97	0.00	850.97	3,515.84	848.48	3,113.10	2,934.48	6.87	-1.14	0.295
65.00	-16.66	-13.61	0.00	-781.02	0.00	781.02	3,432.77	821.05	2,915.14	2,771.69	8.13	-1.26	0.287
70.00	-15.75	-13.23	0.00	-712.98	0.00	712.98	3,347.66	793.63	2,723.68	2,611.84	9.51	-1.38	0.278
75.00	-14.87	-12.85	0.00	-646.84	0.00	646.84	3,243.59	766.20	2,538.72	2,442.34	11.01	-1.49	0.270
80.00	-14.01	-12.48	0.00	-582.58	0.00	582.58	3,127.49	738.78	2,360.26	2,269.78	12.64	-1.61	0.261
85.00	-13.18	-12.11	0.00	-520.19	0.00	520.19	3,011.40	711.35	2,188.31	2,103.54	14.39	-1.73	0.252
90.00	-12.37	-11.75	0.00	-459.64	0.00	459.64	2,895.30	683.93	2,022.86	1,943.62	16.26	-1.85	0.241
94.95	-11.60	-11.56	0.00	-401.44	0.00	401.44	2,780.28	656.76	1,865.37	1,791.43	18.24	-1.96	0.229
95.00	-11.59	-11.40	0.00	-400.90	0.00	400.90	2,779.20	656.50	1,863.91	1,790.03	18.26	-1.96	0.228
99.54	-10.56	-11.20	0.00	-349.17	0.00	349.17	1,711.73	429.78	1,198.10	1,086.74	20.18	-2.07	0.328
100.00	-10.50	-11.03	0.00	-343.98	0.00	343.98	1,707.20	428.09	1,188.67	1,079.56	20.38	-2.08	0.325
105.00	-9.93	-10.69	0.00	-288.85	0.00	288.85	1,657.18	409.81	1,089.32	1,002.81	22.64	-2.23	0.295
110.00	-9.39	-10.36	0.00	-235.39	0.00	235.39	1,605.11	391.52	994.30	927.61	25.05	-2.38	0.260
115.00	-6.53	-7.83	0.00	-183.47	0.00	183.47	1,551.00	373.24	903.62	854.11	27.61	-2.51	0.219
120.00	-6.04	-7.51	0.00	-144.33	0.00	144.33	1,494.85	354.96	817.27	782.50	30.31	-2.63	0.189
125.00	-5.56	-7.34	0.00	-106.77	0.00	106.77	1,425.26	336.68	735.26	707.26	33.13	-2.74	0.155
125.17	-5.55	-7.28	0.00	-105.54	0.00	105.54	1,422.68	336.07	732.60	704.69	33.22	-2.74	0.154
127.00	-5.25	-7.05	0.00	-92.19	0.00	92.19	1,394.30	329.36	703.67	676.72	34.28	-2.78	0.140
128.83	-5.01	-6.96	0.00	-79.26	0.00	79.26	975.56	246.56	525.75	473.84	35.36	-2.81	0.173
130.00	-4.28	-6.17	0.00	-71.15	0.00	71.15	967.13	243.36	512.20	463.60	36.05	-2.83	0.159
135.00	-2.98	-3.72	0.00	-40.25	0.00	40.25	929.74	229.65	456.11	420.37	39.06	-2.92	0.099
140.00	-2.70	-3.45	0.00	-21.65	0.00	21.65	890.31	215.94	403.28	378.30	42.15	-2.97	0.060
145.00	-1.77	-1.34	0.00	-0.99	0.00	0.99	848.83	202.23	353.69	337.57	45.27	-3.00	0.005
145.50	-0.13	-0.09	0.00	-0.32	0.00	0.32	844.57	200.86	348.91	333.57	45.59	-3.00	0.001
149.00	0.00	-0.08	0.00	0.00	0.00	0.00	809.65	191.26	316.37	304.35	47.79	-3.00	0.000

Load Case: 1.2D + 1.0Di + 1.0Wi — 50 mph with 1.00 in Radial Ice — 22 Iterations

Gust Response Factor :1.10 Ice Dead Load Factor :1.00
Dead Load Factor :1.20 Ice Importance Factor :1.00
Wind Load Factor :1.00

Applied Segment Forces Summary

Seg Elev (ft)	Description	Shaft Forces Wind FX (lb)	Shaft Forces Dead Load (lb)	Discrete Forces Wind FX (lb)	Discrete Forces Torsion MY (lb-ft)	Discrete Forces Moment MZ (lb-ft)	Discrete Forces Dead Load (lb)	Linear Forces Wind FX (lb)	Linear Forces Dead Load (lb)	Sum of Forces Wind FX (lb)	Sum of Forces Dead Load (lb)	Sum of Forces Torsion MY (lb-ft)	Sum of Forces Moment MZ (lb)
0.00		67.2	0.0					0.0	0.0	67.2	0.0	0.0	0.0
5.00		133.0	1,825.0					0.0	247.1	133.0	2,072.2	0.0	0.0
10.00		130.3	1,812.4					0.0	247.1	130.3	2,059.5	0.0	0.0
15.00		127.3	1,783.3					0.0	247.1	127.3	2,030.4	0.0	0.0
20.00		124.4	1,748.8					0.0	247.1	124.4	1,996.0	0.0	0.0
25.00		121.4	1,711.6					0.0	247.1	121.4	1,958.7	0.0	0.0
30.00		119.7	1,672.6					0.0	247.1	119.7	1,919.7	0.0	0.0
35.00		120.5	1,632.3					0.0	247.1	120.5	1,879.4	0.0	0.0
40.00		121.9	1,591.2					0.0	247.1	121.9	1,838.3	0.0	0.0
45.00		82.2	1,549.3					0.0	247.1	82.2	1,796.4	0.0	0.0
46.71	Bot - Section 2	62.1	520.1					0.0	84.4	62.1	604.5	0.0	0.0
50.00		76.0	1,691.0					0.0	162.8	76.0	1,853.8	0.0	0.0
52.79	Top - Section 1	62.5	1,407.4					0.0	137.9	62.5	1,545.3	0.0	0.0
55.00		89.9	579.6					0.0	109.2	89.9	688.8	0.0	0.0
60.00		124.2	1,281.5					0.0	247.1	124.2	1,528.6	0.0	0.0
65.00		123.2	1,243.2					0.0	247.1	123.2	1,490.3	0.0	0.0
70.00		122.0	1,204.6					0.0	247.1	122.0	1,451.8	0.0	0.0
75.00		120.4	1,165.8					0.0	247.1	120.4	1,412.9	0.0	0.0
80.00		118.6	1,126.7					0.0	247.1	118.6	1,373.8	0.0	0.0
85.00		116.5	1,087.4					0.0	247.1	116.5	1,334.5	0.0	0.0
90.00		113.7	1,047.9					0.0	247.1	113.7	1,295.0	0.0	0.0
94.95	Bot - Section 3	56.5	999.0					0.0	244.8	56.5	1,243.9	0.0	0.0
95.00		51.4	14.1					0.0	2.3	51.4	16.4	0.0	0.0
99.54	Top - Section 2	56.0	1,346.3					0.0	224.2	56.0	1,570.5	0.0	0.0
100.00		59.8	67.1					0.0	22.9	59.8	90.0	0.0	0.0
105.00		107.9	703.4					0.0	247.1	107.9	950.6	0.0	0.0
110.00		104.8	674.0					0.0	247.1	104.8	921.1	0.0	0.0
115.00	Appurtenance(s)	101.7	644.4	511.1	0.0	23.5	4,450.2	0.0	247.1	612.8	5,341.7	0.0	0.0
120.00		98.3	614.7					0.0	231.5	98.3	846.2	0.0	0.0
125.00		49.9	584.9					0.0	231.5	49.9	816.4	0.0	0.0
125.17	Bot - Section 4	19.1	19.1					0.0	7.7	19.1	26.9	0.0	0.0
127.00	Appurtenance(s)	34.7	317.0	29.3	0.0	0.0	135.9	0.0	84.9	64.0	537.9	0.0	0.0
128.83	Top - Section 3	28.1	310.9					0.0	74.1	28.1	385.0	0.0	0.0
130.00	Appurtenance(s)	56.2	107.8	161.5	0.0	0.0	1,222.7	0.0	47.1	217.7	1,377.6	0.0	0.0
135.00	Appurtenance(s)	88.8	443.0	447.0	0.0	10.7	2,575.4	0.0	202.0	535.9	3,220.4	0.0	0.0
140.00		85.0	418.2					0.0	133.9	85.0	552.1	0.0	0.0
145.00	Appurtenance(s)	45.5	393.3	420.8	0.0	737.3	2,233.6	0.0	133.9	466.3	2,760.8	0.0	0.0
145.50	Appurtenance(s)	31.8	38.4	283.9	0.0	0.0	2,673.0	0.0	4.5	315.7	2,716.0	0.0	0.0
149.00		27.7	259.7					0.0	13.6	27.7	273.4	0.0	0.0
								Totals:		5,233.98	55,776.7	0.00	0.00

Site Number: 370641 Code: ANSI/TIA-222-H

Site Name: Beacon Falls CT, CT Engineering Number:13668730_C3_01 4/29/2021 3:57:11 PM

Customer: VERIZON WIRELESS

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph with 1.00 in Radial Ice 22 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	-55.78	-5.18	0.00	-502.98	0.00	502.98	5,341.71	1,354.03	6,795.27	6,106.74	0.00	0.00	0.093
5.00	-53.70	-5.07	0.00	-477.09	0.00	477.09	5,257.68	1,322.03	6,477.96	5,867.53	0.01	-0.02	0.092
10.00	-51.64	-4.96	0.00	-451.76	0.00	451.76	5,171.61	1,290.04	6,168.24	5,630.68	0.05	-0.05	0.090
15.00	-49.61	-4.85	0.00	-426.98	0.00	426.98	5,083.50	1,258.04	5,866.11	5,396.35	0.11	-0.07	0.089
20.00	-47.61	-4.74	0.00	-402.74	0.00	402.74	4,993.34	1,226.05	5,571.56	5,164.71	0.20	-0.10	0.088
25.00	-45.65	-4.64	0.00	-379.04	0.00	379.04	4,901.14	1,194.05	5,284.60	4,935.92	0.31	-0.12	0.086
30.00	-43.73	-4.53	0.00	-355.86	0.00	355.86	4,806.90	1,162.06	5,005.22	4,710.14	0.45	-0.15	0.085
35.00	-41.85	-4.42	0.00	-333.21	0.00	333.21	4,710.62	1,130.06	4,733.44	4,487.55	0.62	-0.17	0.083
40.00	-40.01	-4.32	0.00	-311.08	0.00	311.08	4,612.30	1,098.07	4,469.24	4,268.32	0.81	-0.20	0.082
45.00	-38.21	-4.24	0.00	-289.51	0.00	289.51	4,511.93	1,066.07	4,212.62	4,052.61	1.03	-0.22	0.080
46.71	-37.60	-4.18	0.00	-282.28	0.00	282.28	4,466.81	1,055.15	4,126.76	3,970.57	1.11	-0.23	0.080
50.00	-35.75	-4.11	0.00	-268.50	0.00	268.50	4,377.60	1,034.08	3,963.59	3,812.78	1.28	-0.25	0.079
52.79	-34.20	-4.05	0.00	-257.04	0.00	257.04	3,632.02	888.02	3,410.01	3,174.03	1.43	-0.27	0.090
55.00	-33.51	-3.97	0.00	-248.09	0.00	248.09	3,596.86	875.90	3,317.57	3,100.03	1.56	-0.28	0.089
60.00	-31.98	-3.85	0.00	-228.25	0.00	228.25	3,515.84	848.48	3,113.10	2,934.48	1.87	-0.31	0.087
65.00	-30.49	-3.74	0.00	-208.99	0.00	208.99	3,432.77	821.05	2,915.14	2,771.69	2.21	-0.34	0.084
70.00	-29.04	-3.62	0.00	-190.30	0.00	190.30	3,347.66	793.63	2,723.68	2,611.84	2.58	-0.37	0.082
75.00	-27.63	-3.51	0.00	-172.19	0.00	172.19	3,243.59	766.20	2,538.72	2,442.34	2.99	-0.40	0.079
80.00	-26.25	-3.39	0.00	-154.65	0.00	154.65	3,127.49	738.78	2,360.26	2,269.78	3.43	-0.43	0.077
85.00	-24.92	-3.28	0.00	-137.69	0.00	137.69	3,011.40	711.35	2,188.31	2,103.54	3.90	-0.47	0.074
90.00	-23.62	-3.17	0.00	-121.29	0.00	121.29	2,895.30	683.93	2,022.86	1,943.62	4.41	-0.50	0.071
94.95	-22.38	-3.11	0.00	-105.60	0.00	105.60	2,780.28	656.76	1,865.37	1,791.43	4.94	-0.53	0.067
95.00	-22.36	-3.06	0.00	-105.45	0.00	105.45	2,779.20	656.50	1,863.91	1,790.03	4.95	-0.53	0.067
99.54	-20.79	-2.99	0.00	-91.57	0.00	91.57	1,711.73	429.78	1,198.10	1,086.74	5.46	-0.55	0.096
100.00	-20.70	-2.94	0.00	-90.18	0.00	90.18	1,707.20	428.09	1,188.67	1,079.56	5.51	-0.56	0.096
105.00	-19.75	-2.84	0.00	-75.47	0.00	75.47	1,657.18	409.81	1,089.32	1,002.81	6.12	-0.60	0.087
110.00	-18.82	-2.74	0.00	-61.28	0.00	61.28	1,605.11	391.52	994.30	927.61	6.77	-0.64	0.078
115.00	-13.49	-2.07	0.00	-47.59	0.00	47.59	1,551.00	373.24	903.62	854.11	7.45	-0.67	0.064
120.00	-12.64	-1.97	0.00	-37.24	0.00	37.24	1,494.85	354.96	817.27	782.50	8.17	-0.70	0.056
125.00	-11.83	-1.91	0.00	-27.40	0.00	27.40	1,425.26	336.68	735.26	707.26	8.92	-0.73	0.047
125.17	-11.80	-1.89	0.00	-27.08	0.00	27.08	1,422.68	336.07	732.60	704.69	8.95	-0.73	0.047
127.00	-11.26	-1.82	0.00	-23.62	0.00	23.62	1,394.30	329.36	703.67	676.72	9.23	-0.74	0.043
128.83	-10.88	-1.79	0.00	-20.27	0.00	20.27	975.56	246.56	525.75	473.84	9.52	-0.75	0.054
130.00	-9.50	-1.56	0.00	-18.19	0.00	18.19	967.13	243.36	512.20	463.60	9.70	-0.75	0.049
135.00	-6.29	-0.98	0.00	-10.39	0.00	10.39	929.74	229.65	456.11	420.37	10.50	-0.78	0.031
140.00	-5.74	-0.89	0.00	-5.49	0.00	5.49	890.31	215.94	403.28	378.30	11.32	-0.79	0.021
145.00	-2.98	-0.38	0.00	-0.30	0.00	0.30	848.83	202.23	353.69	337.57	12.16	-0.80	0.004
145.50	-0.27	-0.03	0.00	-0.11	0.00	0.11	844.57	200.86	348.91	333.57	12.24	-0.80	0.001
149.00	0.00	-0.03	0.00	0.00	0.00	0.00	809.65	191.26	316.37	304.35	12.82	-0.80	0.000

Load Case: 1.0D + 1.0W Serviceability 60 mph 22 Iterations

Gust Response Factor :1.10
Dead Load Factor :1.00
Wind Load Factor :1.00

Applied Segment Forces Summary

		Shaft Forces		Discrete Forces				Linear Forces		Sum of Forces			
Seg Elev (ft)	Description	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Torsion MY (lb-ft)	Moment MZ (lb)
0.00		51.3	0.0					0.0	0.0	51.3	0.0	0.0	0.0
5.00		101.3	1,297.2					0.0	206.0	101.3	1,503.1	0.0	0.0
10.00		98.9	1,266.1					0.0	206.0	98.9	1,472.1	0.0	0.0
15.00		96.4	1,235.1					0.0	206.0	96.4	1,441.1	0.0	0.0
20.00		94.0	1,204.1					0.0	206.0	94.0	1,410.1	0.0	0.0
25.00		91.6	1,173.1					0.0	206.0	91.6	1,379.0	0.0	0.0
30.00		90.2	1,142.1					0.0	206.0	90.2	1,348.0	0.0	0.0
35.00		90.6	1,111.1					0.0	206.0	90.6	1,317.0	0.0	0.0
40.00		91.5	1,080.0					0.0	206.0	91.5	1,286.0	0.0	0.0
45.00		61.6	1,049.0					0.0	206.0	61.6	1,255.0	0.0	0.0
46.71	Bot - Section 2	46.5	351.0					0.0	70.3	46.5	421.3	0.0	0.0
50.00		56.9	1,249.6					0.0	135.7	56.9	1,385.3	0.0	0.0
52.79	Top - Section 1	46.7	1,039.1					0.0	114.9	46.7	1,154.0	0.0	0.0
55.00		67.1	377.9					0.0	91.0	67.1	468.9	0.0	0.0
60.00		92.6	835.8					0.0	206.0	92.6	1,041.8	0.0	0.0
65.00		91.7	809.3					0.0	206.0	91.7	1,015.2	0.0	0.0
70.00		90.6	782.7					0.0	206.0	90.6	988.6	0.0	0.0
75.00		89.2	756.1					0.0	206.0	89.2	962.0	0.0	0.0
80.00		87.7	729.5					0.0	206.0	87.7	935.5	0.0	0.0
85.00		85.9	702.9					0.0	206.0	85.9	908.9	0.0	0.0
90.00		83.6	676.3					0.0	206.0	83.6	882.3	0.0	0.0
94.95	Bot - Section 3	41.5	643.8					0.0	204.0	41.5	847.8	0.0	0.0
95.00		37.7	10.0					0.0	1.9	37.7	11.9	0.0	0.0
99.54	Top - Section 2	41.1	951.9					0.0	186.9	41.1	1,138.7	0.0	0.0
100.00		43.7	38.5					0.0	19.1	43.7	57.6	0.0	0.0
105.00		78.7	406.2					0.0	206.0	78.7	612.1	0.0	0.0
110.00		76.2	388.4					0.0	206.0	76.2	594.4	0.0	0.0
115.00	Appurtenance(s)	73.6	370.7	487.6	0.0	23.8	2,693.6	0.0	206.0	561.2	3,270.3	0.0	0.0
120.00		70.9	353.0					0.0	193.0	70.9	545.9	0.0	0.0
125.00		35.9	335.3					0.0	193.0	35.9	528.2	0.0	0.0
125.17	Bot - Section 4	13.7	10.9					0.0	6.4	13.7	17.3	0.0	0.0
127.00	Appurtenance(s)	24.9	208.6	25.8	0.0	0.0	60.0	0.0	70.7	50.7	339.3	0.0	0.0
128.83	Top - Section 3	20.1	204.4					0.0	61.7	20.1	266.2	0.0	0.0
130.00	Appurtenance(s)	40.1	55.4	133.4	0.0	0.0	750.0	0.0	39.3	173.6	844.7	0.0	0.0
135.00	Appurtenance(s)	63.2	229.3	489.1	0.0	7.8	1,183.2	0.0	168.4	552.3	1,580.8	0.0	0.0
140.00		60.1	216.0					0.0	111.6	60.1	327.5	0.0	0.0
145.00	Appurtenance(s)	32.1	202.7	444.5	0.0	790.7	833.4	0.0	111.6	476.6	1,147.6	0.0	0.0
145.50	Appurtenance(s)	22.2	19.5	246.0	0.0	0.0	1,875.0	0.0	3.8	268.2	1,898.3	0.0	0.0
149.00		19.4	133.0					0.0	11.4	19.4	144.4	0.0	0.0
								Totals:		4,327.52	36,748.2	0.00	0.00

Load Case: 1.0D + 1.0W Serviceability 60 mph 22 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	-36.75	-4.28	0.00	-426.32	0.00	426.32	5,341.71	1,354.03	6,795.27	6,106.74	0.00	0.00	0.077
5.00	-35.24	-4.19	0.00	-404.91	0.00	404.91	5,257.68	1,322.03	6,477.96	5,867.53	0.01	-0.02	0.076
10.00	-33.77	-4.11	0.00	-383.94	0.00	383.94	5,171.61	1,290.04	6,168.24	5,630.68	0.04	-0.04	0.075
15.00	-32.33	-4.02	0.00	-363.42	0.00	363.42	5,083.50	1,258.04	5,866.11	5,396.35	0.09	-0.06	0.074
20.00	-30.92	-3.93	0.00	-343.32	0.00	343.32	4,993.34	1,226.05	5,571.56	5,164.71	0.17	-0.08	0.073
25.00	-29.54	-3.85	0.00	-323.65	0.00	323.65	4,901.14	1,194.05	5,284.60	4,935.92	0.26	-0.10	0.072
30.00	-28.19	-3.77	0.00	-304.39	0.00	304.39	4,806.90	1,162.06	5,005.22	4,710.14	0.38	-0.12	0.070
35.00	-26.87	-3.69	0.00	-285.54	0.00	285.54	4,710.62	1,130.06	4,733.44	4,487.55	0.53	-0.15	0.069
40.00	-25.58	-3.60	0.00	-267.11	0.00	267.11	4,612.30	1,098.07	4,469.24	4,268.32	0.69	-0.17	0.068
45.00	-24.33	-3.54	0.00	-249.10	0.00	249.10	4,511.93	1,066.07	4,212.62	4,052.61	0.88	-0.19	0.067
46.71	-23.90	-3.50	0.00	-243.05	0.00	243.05	4,466.81	1,055.15	4,126.76	3,970.57	0.95	-0.20	0.067
50.00	-22.52	-3.44	0.00	-231.53	0.00	231.53	4,377.60	1,034.08	3,963.59	3,812.78	1.09	-0.21	0.066
52.79	-21.36	-3.40	0.00	-221.92	0.00	221.92	3,632.02	888.02	3,410.01	3,174.03	1.22	-0.23	0.076
55.00	-20.89	-3.33	0.00	-214.42	0.00	214.42	3,596.86	875.90	3,317.57	3,100.03	1.33	-0.24	0.075
60.00	-19.85	-3.25	0.00	-197.74	0.00	197.74	3,515.84	848.48	3,113.10	2,934.48	1.59	-0.27	0.073
65.00	-18.83	-3.16	0.00	-181.51	0.00	181.51	3,432.77	821.05	2,915.14	2,771.69	1.89	-0.29	0.071
70.00	-17.84	-3.07	0.00	-165.72	0.00	165.72	3,347.66	793.63	2,723.68	2,611.84	2.21	-0.32	0.069
75.00	-16.88	-2.98	0.00	-150.36	0.00	150.36	3,243.59	766.20	2,538.72	2,442.34	2.56	-0.35	0.067
80.00	-15.95	-2.90	0.00	-135.44	0.00	135.44	3,127.49	738.78	2,360.26	2,269.78	2.94	-0.37	0.065
85.00	-15.04	-2.81	0.00	-120.95	0.00	120.95	3,011.40	711.35	2,188.31	2,103.54	3.34	-0.40	0.063
90.00	-14.15	-2.73	0.00	-106.88	0.00	106.88	2,895.30	683.93	2,022.86	1,943.62	3.78	-0.43	0.060
94.95	-13.30	-2.69	0.00	-93.35	0.00	93.35	2,780.28	656.76	1,865.37	1,791.43	4.24	-0.46	0.057
95.00	-13.29	-2.65	0.00	-93.23	0.00	93.23	2,779.20	656.50	1,863.91	1,790.03	4.24	-0.46	0.057
99.54	-12.15	-2.60	0.00	-81.20	0.00	81.20	1,711.73	429.78	1,198.10	1,086.74	4.69	-0.48	0.082
100.00	-12.10	-2.56	0.00	-80.00	0.00	80.00	1,707.20	428.09	1,188.67	1,079.56	4.73	-0.48	0.081
105.00	-11.48	-2.49	0.00	-67.18	0.00	67.18	1,657.18	409.81	1,089.32	1,002.81	5.26	-0.52	0.074
110.00	-10.89	-2.41	0.00	-54.75	0.00	54.75	1,605.11	391.52	994.30	927.61	5.82	-0.55	0.066
115.00	-7.62	-1.82	0.00	-42.68	0.00	42.68	1,551.00	373.24	903.62	854.11	6.41	-0.58	0.055
120.00	-7.08	-1.75	0.00	-33.57	0.00	33.57	1,494.85	354.96	817.27	782.50	7.04	-0.61	0.048
125.00	-6.55	-1.71	0.00	-24.84	0.00	24.84	1,425.26	336.68	735.26	707.26	7.70	-0.64	0.040
125.17	-6.53	-1.69	0.00	-24.55	0.00	24.55	1,422.68	336.07	732.60	704.69	7.72	-0.64	0.039
127.00	-6.19	-1.64	0.00	-21.45	0.00	21.45	1,394.30	329.36	703.67	676.72	7.96	-0.65	0.036
128.83	-5.93	-1.62	0.00	-18.44	0.00	18.44	975.56	246.56	525.75	473.84	8.21	-0.65	0.045
130.00	-5.08	-1.44	0.00	-16.55	0.00	16.55	967.13	243.36	512.20	463.60	8.37	-0.66	0.041
135.00	-3.51	-0.87	0.00	-9.36	0.00	9.36	929.74	229.65	456.11	420.37	9.08	-0.68	0.026
140.00	-3.18	-0.80	0.00	-5.03	0.00	5.03	890.31	215.94	403.28	378.30	9.79	-0.69	0.017
145.00	-2.04	-0.31	0.00	-0.23	0.00	0.23	848.83	202.23	353.69	337.57	10.52	-0.70	0.003
145.50	-0.14	-0.02	0.00	-0.07	0.00	0.07	844.57	200.86	348.91	333.57	10.59	-0.70	0.000
149.00	0.00	-0.02	0.00	0.00	0.00	0.00	809.65	191.26	316.37	304.35	11.10	-0.70	0.000

Equivalent Lateral Forces Method Analysis

Spectral Response Acceleration for Short Period (S_s):	0.20
Spectral Response Acceleration at 1.0 Second Period (S_1):	0.05
Long-Period Transition Period (T_L):	6
Importance Factor (I_E):	1.00
Site Coefficient F_a:	1.60
Site Coeffiecient F_v:	2.40
Response Modification Coefficient (R):	1.50
Design Spectral Response Acceleration at Short Period (S_{ds}):	0.21
Design Spectral Response Acceleration at 1.0 Second Period (S_{d1}):	0.09
Seismic Response Coefficient (C_s):	0.03
Upper Limit C_s	0.03
Lower Limit C_s	0.03
Period based on Rayleigh Method (sec):	1.95
Redundancy Factor (p):	1.00
Seismic Force Distribution Exponent (k):	1.73
Total Unfactored Dead Load:	36.75 k
Seismic Base Shear (E):	1.10 k

Load Case 1.2D + 1.0Ev + 1.0Eh Seismic

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
38	147.25	144	795	0.011	12	179
37	145.25	23	125	0.002	2	29
36	142.50	314	1,634	0.022	24	390
35	137.50	328	1,602	0.022	24	407
34	132.50	398	1,824	0.025	27	494
33	129.42	95	417	0.006	6	118
32	127.92	266	1,149	0.015	17	331
31	126.08	279	1,176	0.016	17	347
30	125.08	17	72	0.001	1	22
29	122.50	528	2,116	0.028	31	656
28	117.50	546	2,036	0.027	30	678
27	112.50	577	1,995	0.027	30	716
26	107.50	594	1,901	0.026	28	738
25	102.50	612	1,803	0.024	27	761
24	99.77	58	162	0.002	2	72
23	97.27	1,139	3,065	0.041	45	1,415
22	94.98	12	31	0.000	0	15
21	92.48	848	2,091	0.028	31	1,053
20	87.50	882	1,978	0.027	29	1,096
19	82.50	909	1,841	0.025	27	1,129
18	77.50	935	1,701	0.023	25	1,162
17	72.50	962	1,559	0.021	23	1,195
16	67.50	989	1,417	0.019	21	1,228
15	62.50	1,015	1,274	0.017	19	1,261
14	57.50	1,042	1,132	0.015	17	1,294

13	53.90	469	456	0.006	7	583
12	51.40	1,154	1,033	0.014	15	1,434
11	48.35	1,385	1,116	0.015	17	1,721
10	45.85	421	310	0.004	5	523
9	42.50	1,255	809	0.011	12	1,559
8	37.50	1,286	668	0.009	10	1,598
7	32.50	1,317	535	0.007	8	1,636
6	27.50	1,348	410	0.006	6	1,675
5	22.50	1,379	297	0.004	4	1,713
4	17.50	1,410	197	0.003	3	1,752
3	12.50	1,441	113	0.002	2	1,790
2	7.50	1,472	48	0.001	1	1,829
1	2.50	1,503	7	0.000	0	1,868
Generic Flat Low Pro	145.50	1,875	10,109	0.136	150	2,330
Powerwave Allgon LGP	145.00	32	170	0.002	3	40
Powerwave Allgon 702	145.00	13	71	0.001	1	16
Powerwave Allgon LGP	145.00	85	453	0.006	7	105
Raycap DC6-48-60-18-	145.00	32	170	0.002	3	40
Ericsson RRUS 11 (Ba	145.00	150	804	0.011	12	186
Ericsson RRUS 32 B2	145.00	159	852	0.011	13	198
Allgon 7770.00	145.00	210	1,125	0.015	17	261
CCI HPA-65R-BUU-H6	145.00	153	820	0.011	12	190
Ericsson KRY 112 144	135.00	33	156	0.002	2	41
Ericsson Radio 4449	135.00	222	1,052	0.014	16	276
Ericsson AIR 21 B4A	135.00	270	1,279	0.017	19	335
Ericsson AIR 21, 1.3	135.00	275	1,301	0.017	19	341
RFS APXVAARR24_43-U-	135.00	384	1,818	0.024	27	477
Round T-Arm	130.00	750	3,329	0.045	49	932
Generic 34" x 6" Pan	127.00	60	256	0.003	4	75
Samsung B5/B13 RRH-B	115.00	141	505	0.007	7	175
Samsung B5/B13 RRH-B	115.00	141	505	0.007	7	175
Samsung B2/B66A RRH-	115.00	169	606	0.008	9	210
RFS DB-B1-6C-12AB-0Z	115.00	21	77	0.001	1	27
Samsung MT6407-77A	115.00	163	586	0.008	9	203
JMA Wireless MX06FRO	115.00	184	661	0.009	10	229
Generic Round Low Pr	115.00	1,875	6,737	0.091	100	2,330
		36,748	74,339	1.000	1,102	45,658

Load Case 0.9D - 1.0Ev + 1.0Eh Seismic (Reduced DL)

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
38	147.25	144	795	0.011	12	124
37	145.25	23	125	0.002	2	20
36	142.50	314	1,634	0.022	24	269
35	137.50	328	1,602	0.022	24	281
34	132.50	398	1,824	0.025	27	341
33	129.42	95	417	0.006	6	81
32	127.92	266	1,149	0.015	17	228
31	126.08	279	1,176	0.016	17	240
30	125.08	17	72	0.001	1	15
29	122.50	528	2,116	0.028	31	453
28	117.50	546	2,036	0.027	30	468
27	112.50	577	1,995	0.027	30	495
26	107.50	594	1,901	0.026	28	510
25	102.50	612	1,803	0.024	27	525
24	99.77	58	162	0.002	2	49
23	97.27	1,139	3,065	0.041	45	977
22	94.98	12	31	0.000	0	10
21	92.48	848	2,091	0.028	31	727
20	87.50	882	1,978	0.027	29	757

19	82.50	909	1,841	0.025	27	779
18	77.50	935	1,701	0.023	25	802
17	72.50	962	1,559	0.021	23	825
16	67.50	989	1,417	0.019	21	848
15	62.50	1,015	1,274	0.017	19	871
14	57.50	1,042	1,132	0.015	17	893
13	53.90	469	456	0.006	7	402
12	51.40	1,154	1,033	0.014	15	990
11	48.35	1,385	1,116	0.015	17	1,188
10	45.85	421	310	0.004	5	361
9	42.50	1,255	809	0.011	12	1,076
8	37.50	1,286	668	0.009	10	1,103
7	32.50	1,317	535	0.007	8	1,129
6	27.50	1,348	410	0.006	6	1,156
5	22.50	1,379	297	0.004	4	1,183
4	17.50	1,410	197	0.003	3	1,209
3	12.50	1,441	113	0.002	2	1,236
2	7.50	1,472	48	0.001	1	1,262
1	2.50	1,503	7	0.000	0	1,289
Generic Flat Low Pro	145.50	1,875	10,109	0.136	150	1,608
Powerwave Allgon LGP	145.00	32	170	0.002	3	27
Powerwave Allgon 702	145.00	13	71	0.001	1	11
Powerwave Allgon LGP	145.00	85	453	0.006	7	73
Raycap DC6-48-60-18-	145.00	32	170	0.002	3	27
Ericsson RRUS 11 (Ba	145.00	150	804	0.011	12	129
Ericsson RRUS 32 B2	145.00	159	852	0.011	13	136
Allgon 7770.00	145.00	210	1,125	0.015	17	180
CCI HPA-65R-BUU-H6	145.00	153	820	0.011	12	131
Ericsson KRY 112 144	135.00	33	156	0.002	2	28
Ericsson Radio 4449	135.00	222	1,052	0.014	16	190
Ericsson AIR 21 B4A	135.00	270	1,279	0.017	19	232
Ericsson AIR 21, 1.3	135.00	275	1,301	0.017	19	235
RFS APXVAARR24_43-U-	135.00	384	1,818	0.024	27	329
Round T-Arm	130.00	750	3,329	0.045	49	643
Generic 34" x 6" Pan	127.00	60	256	0.003	4	51
Samsung B5/B13 RRH-B	115.00	141	505	0.007	7	121
Samsung B5/B13 RRH-B	115.00	141	505	0.007	7	121
Samsung B2/B66A RRH-	115.00	169	606	0.008	9	145
RFS DB-B1-6C-12AB-0Z	115.00	21	77	0.001	1	18
Samsung MT6407-77A	115.00	163	586	0.008	9	140
JMA Wireless MX06FRO	115.00	184	661	0.009	10	158
Generic Round Low Pr	115.00	1,875	6,737	0.091	100	1,608
		36,748	74,339	1.000	1,102	31,513

Load Case 1.2D + 1.0Ev + 1.0Eh Seismic

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-43.79	-1.10	0.00	-125.80	0.00	125.80	5,341.71	1,354.03	6,795.27	6,106.74	0.00	0.00	0.029
5.00	-41.96	-1.11	0.00	-120.28	0.00	120.28	5,257.68	1,322.03	6,477.96	5,867.53	0.00	-0.01	0.028
10.00	-40.17	-1.11	0.00	-114.75	0.00	114.75	5,171.61	1,290.04	6,168.24	5,630.68	0.01	-0.01	0.028
15.00	-38.42	-1.11	0.00	-109.20	0.00	109.20	5,083.50	1,258.04	5,866.11	5,396.35	0.03	-0.02	0.028
20.00	-36.71	-1.11	0.00	-103.64	0.00	103.64	4,993.34	1,226.05	5,571.56	5,164.71	0.05	-0.02	0.027
25.00	-35.03	-1.11	0.00	-98.10	0.00	98.10	4,901.14	1,194.05	5,284.60	4,935.92	0.08	-0.03	0.027
30.00	-33.39	-1.10	0.00	-92.56	0.00	92.56	4,806.90	1,162.06	5,005.22	4,710.14	0.11	-0.04	0.027
35.00	-31.80	-1.09	0.00	-87.05	0.00	87.05	4,710.62	1,130.06	4,733.44	4,487.55	0.16	-0.04	0.026
40.00	-30.24	-1.08	0.00	-81.58	0.00	81.58	4,612.30	1,098.07	4,469.24	4,268.32	0.21	-0.05	0.026
45.00	-29.71	-1.08	0.00	-76.16	0.00	76.16	4,511.93	1,066.07	4,212.62	4,052.61	0.26	-0.06	0.025
46.71	-27.99	-1.07	0.00	-74.31	0.00	74.31	4,466.81	1,055.15	4,126.76	3,970.57	0.28	-0.06	0.025
50.00	-26.56	-1.05	0.00	-70.80	0.00	70.80	4,377.60	1,034.08	3,963.59	3,812.78	0.33	-0.06	0.025
52.79	-25.98	-1.05	0.00	-67.87	0.00	67.87	3,632.02	888.02	3,410.01	3,174.03	0.37	-0.07	0.029
55.00	-24.68	-1.03	0.00	-65.56	0.00	65.56	3,596.86	875.90	3,317.57	3,100.03	0.40	-0.07	0.028
60.00	-23.42	-1.01	0.00	-60.42	0.00	60.42	3,515.84	848.48	3,113.10	2,934.48	0.48	-0.08	0.027
65.00	-22.19	-0.99	0.00	-55.36	0.00	55.36	3,432.77	821.05	2,915.14	2,771.69	0.57	-0.09	0.026
70.00	-21.00	-0.97	0.00	-50.40	0.00	50.40	3,347.66	793.63	2,723.68	2,611.84	0.67	-0.10	0.026
75.00	-19.83	-0.95	0.00	-45.54	0.00	45.54	3,243.59	766.20	2,538.72	2,442.34	0.77	-0.11	0.025
80.00	-18.70	-0.92	0.00	-40.82	0.00	40.82	3,127.49	738.78	2,360.26	2,269.78	0.89	-0.11	0.024
85.00	-17.61	-0.89	0.00	-36.22	0.00	36.22	3,011.40	711.35	2,188.31	2,103.54	1.01	-0.12	0.023
90.00	-16.55	-0.86	0.00	-31.77	0.00	31.77	2,895.30	683.93	2,022.86	1,943.62	1.14	-0.13	0.022
94.95	-16.54	-0.86	0.00	-27.52	0.00	27.52	2,780.28	656.76	1,865.37	1,791.43	1.28	-0.14	0.021
95.00	-15.12	-0.81	0.00	-27.48	0.00	27.48	2,779.20	656.50	1,863.91	1,790.03	1.28	-0.14	0.021
99.54	-15.05	-0.81	0.00	-23.79	0.00	23.79	1,711.73	429.78	1,198.10	1,086.74	1.42	-0.14	0.031
100.00	-14.29	-0.78	0.00	-23.42	0.00	23.42	1,707.20	428.09	1,188.67	1,079.56	1.43	-0.15	0.030
105.00	-13.55	-0.76	0.00	-19.50	0.00	19.50	1,657.18	409.81	1,089.32	1,002.81	1.59	-0.16	0.028
110.00	-12.84	-0.73	0.00	-15.73	0.00	15.73	1,605.11	391.52	994.30	927.61	1.76	-0.17	0.025
115.00	-8.81	-0.54	0.00	-12.10	0.00	12.10	1,551.00	373.24	903.62	854.11	1.94	-0.17	0.020
120.00	-8.16	-0.51	0.00	-9.39	0.00	9.39	1,494.85	354.96	817.27	782.50	2.12	-0.18	0.017
125.00	-8.14	-0.51	0.00	-6.84	0.00	6.84	1,425.26	336.68	735.26	707.26	2.32	-0.19	0.015
125.17	-7.79	-0.49	0.00	-6.76	0.00	6.76	1,422.68	336.07	732.60	704.69	2.33	-0.19	0.015
127.00	-7.38	-0.47	0.00	-5.86	0.00	5.86	1,394.30	329.36	703.67	676.72	2.40	-0.19	0.014
128.83	-7.27	-0.46	0.00	-5.00	0.00	5.00	975.56	246.56	525.75	473.84	2.47	-0.19	0.018
130.00	-5.84	-0.38	0.00	-4.46	0.00	4.46	967.13	243.36	512.20	463.60	2.52	-0.20	0.016
135.00	-3.96	-0.27	0.00	-2.56	0.00	2.56	929.74	229.65	456.11	420.37	2.73	-0.20	0.010
140.00	-3.57	-0.24	0.00	-1.22	0.00	1.22	890.31	215.94	403.28	378.30	2.94	-0.20	0.007
145.00	-0.18	-0.01	0.00	-0.01	0.00	0.01	848.83	202.23	353.69	337.57	3.16	-0.21	0.000
145.50	0.00	0.00	0.00	0.00	0.00	0.00	844.57	200.86	348.91	333.57	3.18	-0.21	0.000
149.00	0.00	0.00	0.00	0.00	0.00	0.00	809.65	191.26	316.37	304.35	3.33	-0.21	0.000

Load Case 0.9D - 1.0Ev + 1.0Eh Seismic (Reduced DL)

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-30.22	-1.10	0.00	-124.56	0.00	124.56	5,341.71	1,354.03	6,795.27	6,106.74	0.00	0.00	0.026
5.00	-28.96	-1.11	0.00	-119.04	0.00	119.04	5,257.68	1,322.03	6,477.96	5,867.53	0.00	-0.01	0.026
10.00	-27.73	-1.11	0.00	-113.51	0.00	113.51	5,171.61	1,290.04	6,168.24	5,630.68	0.01	-0.01	0.026
15.00	-26.52	-1.11	0.00	-107.98	0.00	107.98	5,083.50	1,258.04	5,866.11	5,396.35	0.03	-0.02	0.025
20.00	-25.33	-1.10	0.00	-102.45	0.00	102.45	4,993.34	1,226.05	5,571.56	5,164.71	0.05	-0.02	0.025
25.00	-24.18	-1.10	0.00	-96.93	0.00	96.93	4,901.14	1,194.05	5,284.60	4,935.92	0.08	-0.03	0.025
30.00	-23.05	-1.09	0.00	-91.43	0.00	91.43	4,806.90	1,162.06	5,005.22	4,710.14	0.11	-0.04	0.024
35.00	-21.95	-1.09	0.00	-85.96	0.00	85.96	4,710.62	1,130.06	4,733.44	4,487.55	0.16	-0.04	0.024
40.00	-20.87	-1.08	0.00	-80.53	0.00	80.53	4,612.30	1,098.07	4,469.24	4,268.32	0.20	-0.05	0.023
45.00	-20.51	-1.07	0.00	-75.15	0.00	75.15	4,511.93	1,066.07	4,212.62	4,052.61	0.26	-0.06	0.023
46.71	-19.32	-1.06	0.00	-73.32	0.00	73.32	4,466.81	1,055.15	4,126.76	3,970.57	0.28	-0.06	0.023
50.00	-18.33	-1.04	0.00	-69.84	0.00	69.84	4,377.60	1,034.08	3,963.59	3,812.78	0.32	-0.06	0.023
52.79	-17.93	-1.03	0.00	-66.94	0.00	66.94	3,632.02	888.02	3,410.01	3,174.03	0.36	-0.07	0.026
55.00	-17.03	-1.02	0.00	-64.65	0.00	64.65	3,596.86	875.90	3,317.57	3,100.03	0.40	-0.07	0.026
60.00	-16.16	-1.00	0.00	-59.56	0.00	59.56	3,515.84	848.48	3,113.10	2,934.48	0.47	-0.08	0.025
65.00	-15.32	-0.98	0.00	-54.55	0.00	54.55	3,432.77	821.05	2,915.14	2,771.69	0.56	-0.09	0.024
70.00	-14.49	-0.96	0.00	-49.65	0.00	49.65	3,347.66	793.63	2,723.68	2,611.84	0.66	-0.10	0.023
75.00	-13.69	-0.93	0.00	-44.86	0.00	44.86	3,243.59	766.20	2,538.72	2,442.34	0.76	-0.10	0.023
80.00	-12.91	-0.91	0.00	-40.19	0.00	40.19	3,127.49	738.78	2,360.26	2,269.78	0.88	-0.11	0.022
85.00	-12.15	-0.88	0.00	-35.65	0.00	35.65	3,011.40	711.35	2,188.31	2,103.54	1.00	-0.12	0.021
90.00	-11.43	-0.85	0.00	-31.27	0.00	31.27	2,895.30	683.93	2,022.86	1,943.62	1.13	-0.13	0.020
94.95	-11.41	-0.85	0.00	-27.07	0.00	27.07	2,780.28	656.76	1,865.37	1,791.43	1.26	-0.14	0.019
95.00	-10.44	-0.80	0.00	-27.03	0.00	27.03	2,779.20	656.50	1,863.91	1,790.03	1.27	-0.14	0.019
99.54	-10.39	-0.80	0.00	-23.40	0.00	23.40	1,711.73	429.78	1,198.10	1,086.74	1.40	-0.14	0.028
100.00	-9.86	-0.77	0.00	-23.03	0.00	23.03	1,707.20	428.09	1,188.67	1,079.56	1.41	-0.14	0.027
105.00	-9.35	-0.74	0.00	-19.18	0.00	19.18	1,657.18	409.81	1,089.32	1,002.81	1.57	-0.15	0.025
110.00	-8.86	-0.71	0.00	-15.46	0.00	15.46	1,605.11	391.52	994.30	927.61	1.74	-0.16	0.022
115.00	-6.08	-0.53	0.00	-11.89	0.00	11.89	1,551.00	373.24	903.62	854.11	1.91	-0.17	0.018
120.00	-5.63	-0.50	0.00	-9.23	0.00	9.23	1,494.85	354.96	817.27	782.50	2.10	-0.18	0.016
125.00	-5.61	-0.50	0.00	-6.73	0.00	6.73	1,425.26	336.68	735.26	707.26	2.29	-0.19	0.013
125.17	-5.37	-0.48	0.00	-6.64	0.00	6.64	1,422.68	336.07	732.60	704.69	2.30	-0.19	0.013
127.00	-5.10	-0.46	0.00	-5.76	0.00	5.76	1,394.30	329.36	703.67	676.72	2.37	-0.19	0.012
128.83	-5.01	-0.45	0.00	-4.92	0.00	4.92	975.56	246.56	525.75	473.84	2.44	-0.19	0.016
130.00	-4.03	-0.37	0.00	-4.39	0.00	4.39	967.13	243.36	512.20	463.60	2.49	-0.19	0.014
135.00	-2.73	-0.26	0.00	-2.52	0.00	2.52	929.74	229.65	456.11	420.37	2.69	-0.20	0.009
140.00	-2.47	-0.24	0.00	-1.20	0.00	1.20	890.31	215.94	403.28	378.30	2.90	-0.20	0.006
145.00	-0.12	-0.01	0.00	-0.01	0.00	0.01	848.83	202.23	353.69	337.57	3.11	-0.20	0.000
145.50	0.00	0.00	0.00	0.00	0.00	0.00	844.57	200.86	348.91	333.57	3.14	-0.20	0.000
149.00	0.00	0.00	0.00	0.00	0.00	0.00	809.65	191.26	316.37	304.35	3.28	-0.20	0.000

Analysis Summary

Load Case	Reactions Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)	Max Usage Elev (ft)	Interaction Ratio
1.2D + 1.0W	18.52	0.00	44.08	0.00	0.00	1852.54	99.54	0.33
0.9D + 1.0W	18.51	0.00	33.06	0.00	0.00	1837.57	99.54	0.33
1.2D + 1.0Di + 1.0Wi	5.18	0.00	55.78	0.00	0.00	502.98	99.54	0.10
1.2D + 1.0Ev + 1.0Eh	1.10	0.00	43.79	0.00	0.00	125.80	99.54	0.03
0.9D - 1.0Ev + 1.0Eh	1.10	0.00	30.22	0.00	0.00	124.56	99.54	0.03
1.0D + 1.0W	4.28	0.00	36.75	0.00	0.00	426.32	99.54	0.08

Base Plate & Anchor Rod Analysis

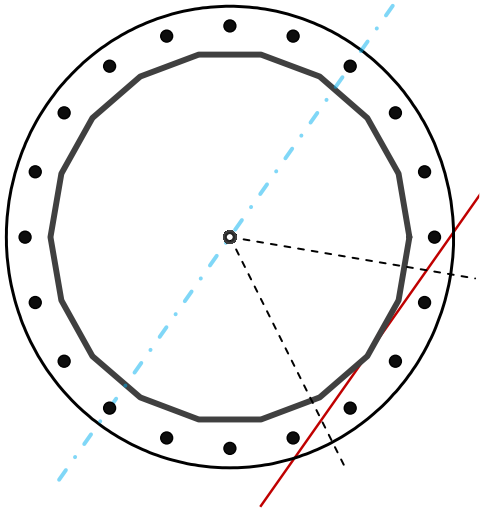
Pole Dimensions		
Number of Sides	18	-
Diameter	56	in
Thickness	0.4375	in
Orientation Offset	0	°

Base Reactions		
Moment, Mu	1852.5	k-ft
Axial, Pu	44.1	k
Shear, Vu	18.5	k
Neutral Axis	234	°

Report Capacities		
Component	Capacity	Result
Base Plate	17%	Pass
Anchor Rods	30%	Pass
Dwyidag	-	-

Base Plate		
Shape	Round	-
Diameter, ø	71	in
Thickness	2 1/2	in
Grade	A572-60	
Yield Strength, Fy	60	ksi
Tensile Strength, Fu	75	ksi
Clip	N/A	in
Orientation Offset	0	°
Anchor Rod Detail	d	η=0.5
Clear Distance	3	in
Applied Moment, Mu	477.2	k
Bending Stress, ϕMn	2767.5	k

Original Anchor Rods		
Arrangement	Radial	-
Quantity	20	-
Diameter, ø	2 1/4	in
Bolt Circle	65	in
Grade	A615-75	
Yield Strength, Fy	75	ksi
Tensile Strength, Fu	100	ksi
Spacing	10.2	in
Orientation Offset	0	°
Applied Force, Pu	73.2	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	18.5	1852.5	1.00
Anchor Rod Forces	18.5	1852.5	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	75.9806	4.2211	0.2704		29325.69
Bolt	3.9761	3.2477	0.8393	4.5	31859.49
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	71	in
Thickness, t	2.5	in
Yield Strength, Fy	60	ksi
Tensile Strength, Fu	75	ksi
Base Plate Chord	43.646	in
Detail Type	d	-
Detail Factor	0.50	-
Clear Distance	3	-

Anchor Rods		
Anchor Rod Quantity, N	20	-
Rod Diameter, d	2.25	in
Bolt Circle, BC	65	in
Yield Strength, Fy	75	ksi
Tensile Strength, Fu	100	ksi
Applied Axial, Pu	73.2	k
Applied Shear, Vu	0.5	k
Compressive Capacity, ϕPn	243.6	k
Tensile Capacity, ϕRnt	0.300	OK
Interaction Capacity	0.304	OK

External Base Plate		
Chord Length AA	37.500	in
Additional AA	5.000	in
Section Modulus, Z	66.406	in^3
Applied Moment, Mu	477.2	k-ft
Bending Capacity, ϕMn	3585.9	k-ft
Capacity, Mu/ϕMn	0.133	OK
Chord Length AB	36.170	in
Additional AB	5.000	in
Section Modulus, Z	64.329	in^3
Applied Moment, Mu	385.1	k-ft
Bending Capacity, ϕMn	3473.8	k-ft
Capacity, Mu/ϕMn	0.111	OK
Bend Line Length	32.800	in
Additional Bend Line	0.000	in
Section Modulus, Z	51.250	in^3
Applied Moment, Mu	477.2	k-ft
Bending Capacity, ϕMn	2767.5	k-ft
Capacity, Mu/ϕMn	0.172	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		

Maser Consulting Connecticut
2000 Midlantic Drive, Suite 100
Mt. Laurel, NJ 08054
856.797.0412
peter.albano@colliersengineering.com

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10073432
Maser Consulting Connecticut Project #: 21777533A

June 24, 2021

Site Information	*Site ID:*	*470974-VZW / BEACON FALLS 2 CT-Town Monopole*
	Site Name:	*BEACON FALLS 2 CT-Town Monopole*
	Carrier Name:	*Verizon Wireless*
	Address:	*401 Lopus Road* *Beacon Falls, Connecticut 06403* *New Haven County*
	Latitude:	*41.43276833°*
	Longitude:	*-73.07031527°*
Structure Information	*Tower Type:*	*Monopole*
	Mount Type:	*14.58-Ft Platform*

FUZE ID # 16244162

Analysis Results

Platform: **40.7% 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

Report Prepared By: Frank Centone

Digitally signed by Justin Linette
Date: 2021.06.24 15:34:12-04'00'

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 Data Sheet (RFDS)	*Verizon RFDS Site ID: 2560803, dated March 16, 2021*
Mount Mapping Report	*FDH Infrastructure Services, LLC, Site ID: 470974, dated April 10, 2021*
Previous Mount Analysis Report	*Maser Consulting Connecticut Project #: 21777533A, dated June 1, 2021*
Mount Modification Drawings	*Maser Consulting Connecticut Project #: 21777533A, dated June 24, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	118 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.994
Seismic Parameters:	S_S:	0.199
	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
113.5	115.0	2	Samsung	MT6407-77A	Added
		4	JMA Wireless	MX06FRO660-03	Retained
		2	Raycap	RRFDC-3315-PF-48	
		2	Samsung	B2/B66A RRH-BR049	
		2	Samsung	B5/B13 RRH-BR04C	

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 by Maser Consulting Connecticut, 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	20.6 %	Pass
Face Horizontal	11.0 %	Pass
Platform Crossmember	11.3 %	Pass
Corner Plate	22.4 %	Pass
Grating Support	11.4 %	Pass
Cross Arm Plate	40.7 %	Pass
Kickers	11.5 %	Pass
Mount Pipe	19.5 %	Pass
OVP Pipe	4.7 %	Pass
Support Rail	14.1 %	Pass
Support Rail Corner	28.5 %	Pass
Connection Check	19.5%	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**40.7%**

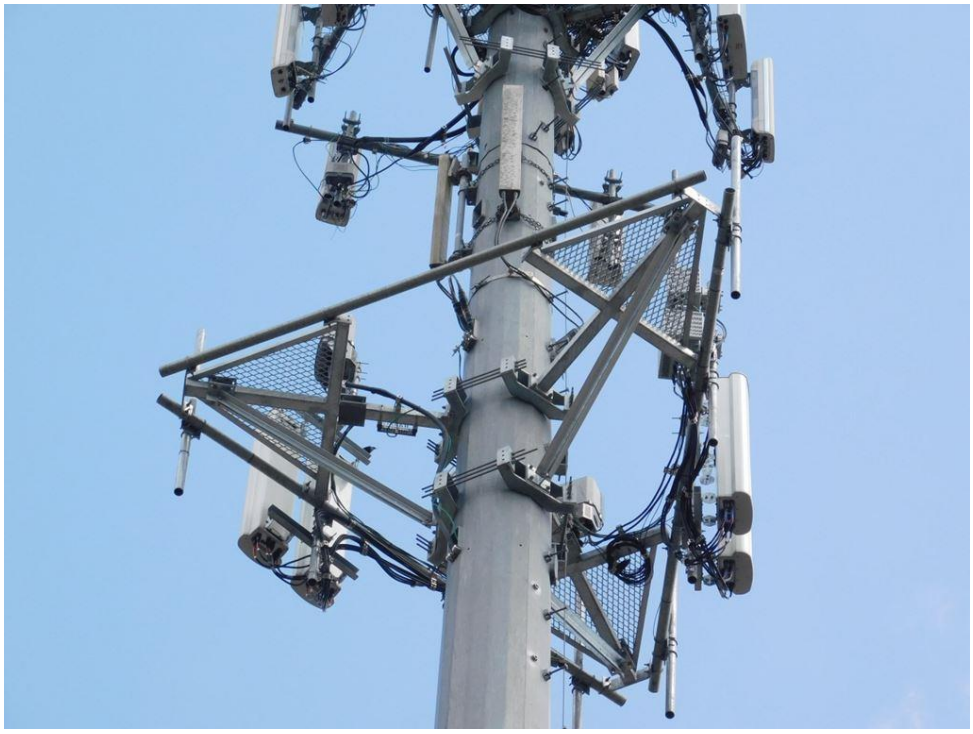
Recommendation:

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



V3.0 Updated on 8-31-2020

PAUL J. FORD & COMPANY

Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	ATC	**Mapping Date:**	
Site Name:	Beacon Falls 2 CT	**Tower Type:**	Monopole
Site Number or ID:	470974	**Tower Height (Ft.):**	
Mapping Contractor:	FDH Infrastructure Services, LLC	**Mount Elevation (Ft.):**	115

Mount Pipe Configuration and Geometries [Unit = Inches]

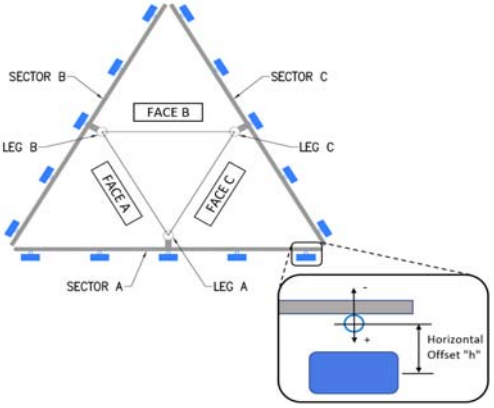
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	2.9"Ø x 3/16" x 96"	58.00	13.00	C1			
A2	2.9"Ø x 3/16" x 96"	58.00	62.00	C2			
A3	2.9"Ø x 3/16" x 96"	58.00	111.00	C3			
A4	2.9"Ø x 3/16" x 96"	58.00	160.00	C4			
A5				C5			
A6	2.4"Ø x 3/16" x 24" standoff pipe	24.00		C6			
B1	2.9"Ø x 3/16" x 96"	58.00	13.00	D1			
B2	2.9"Ø x 3/16" x 96"	58.00	62.00	D2			
B3	2.9"Ø x 3/16" x 96"	58.00	111.00	D3			
B4	2.9"Ø x 3/16" x 96"	58.00	160.00	D4			
B5				D5			
B6	2.4"Ø x 3/16" x 24" standoff pipe	24.00		D6			

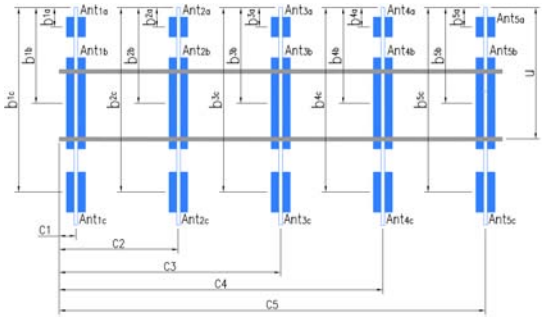
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	0.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	

Please enter additional infomation or comments below.

(2) 1 1/2"Ø (pic 32)

Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	



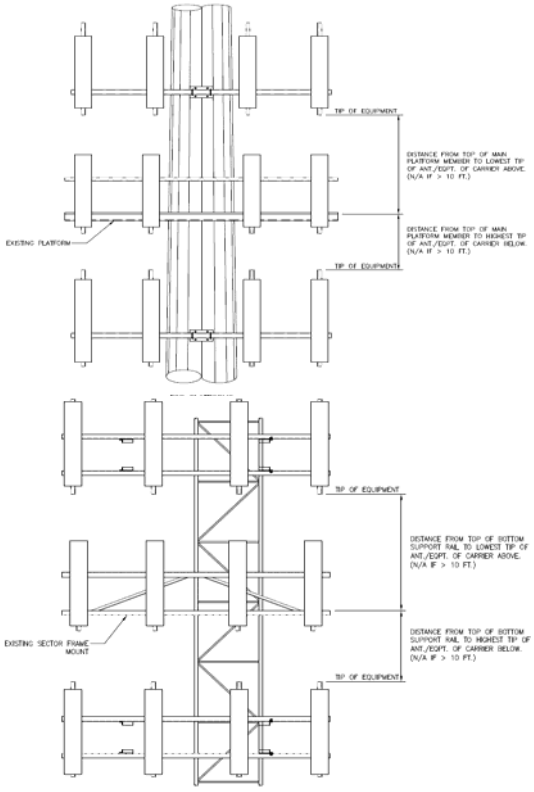


Antenna Layout (Looking Out From Tower)

Ants. Items	Enter antenna model. If not labeled, enter "Unknown". Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Mounting Locations [Units are inches and degrees] Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photos of antennas Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	JMA MX06FRO660-03	15.00	10.50	72.00		116.5	40.00	12.00	40.00	233
Ant_{2b}	JMA MX06FRO660-03	15.00	10.50	72.00		116.5	40.00	12.00	40.00	233
Ant_{2c}										
Ant_{3a}	Samsung RFV01U-D2A	16.00	10.00	15.00		118.833	12.00	-9.00	40.00	284
Ant_{3b}	Samsung RFV01U-D1A	16.00	12.00	15.00		116.25	43.00	-10.00	40.00	293
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	Raycap RRFDC-3315-P	15.00	10.00	19.00			-10.00	7.00	0.00	231
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector			Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	60.00	Deg	Leg A:	Deg
Sector B:	180.00	Deg	Leg B:	Deg
Sector C:	300.00	Deg	Leg C:	Deg
Sector D:		Deg	Leg D:	Deg

Climbing Facility Information			
Location:	Flat 1	Deg	Sector B
Climbing Facility	Corrosion Type:		Good condition.
	Access:		Climbing path was unobstructed.
	Condition:		Good condition.



Sector B										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	JMA MX06FRO660-03	15.00	10.50	72.00		116.5	40.00	12.00	180.00	243
Ant_{2b}	JMA MX06FRO660-03	15.00	10.50	72.00		116.5	40.00	12.00	180.00	243
Ant_{2c}										
Ant_{3a}	Samsung RFV01U-D2A	16.00	10.00	15.00		118.833	12.00	-9.00	180.00	325
Ant_{3b}	Samsung RFV01U-D1A	16.00	12.00	15.00		116.25	43.00	-10.00	180.00	327
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	Raycap RRFDC-3315-P	15.00	10.00	19.00			-10.00	7.00	120.00	240
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
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										
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		
2		
3		
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

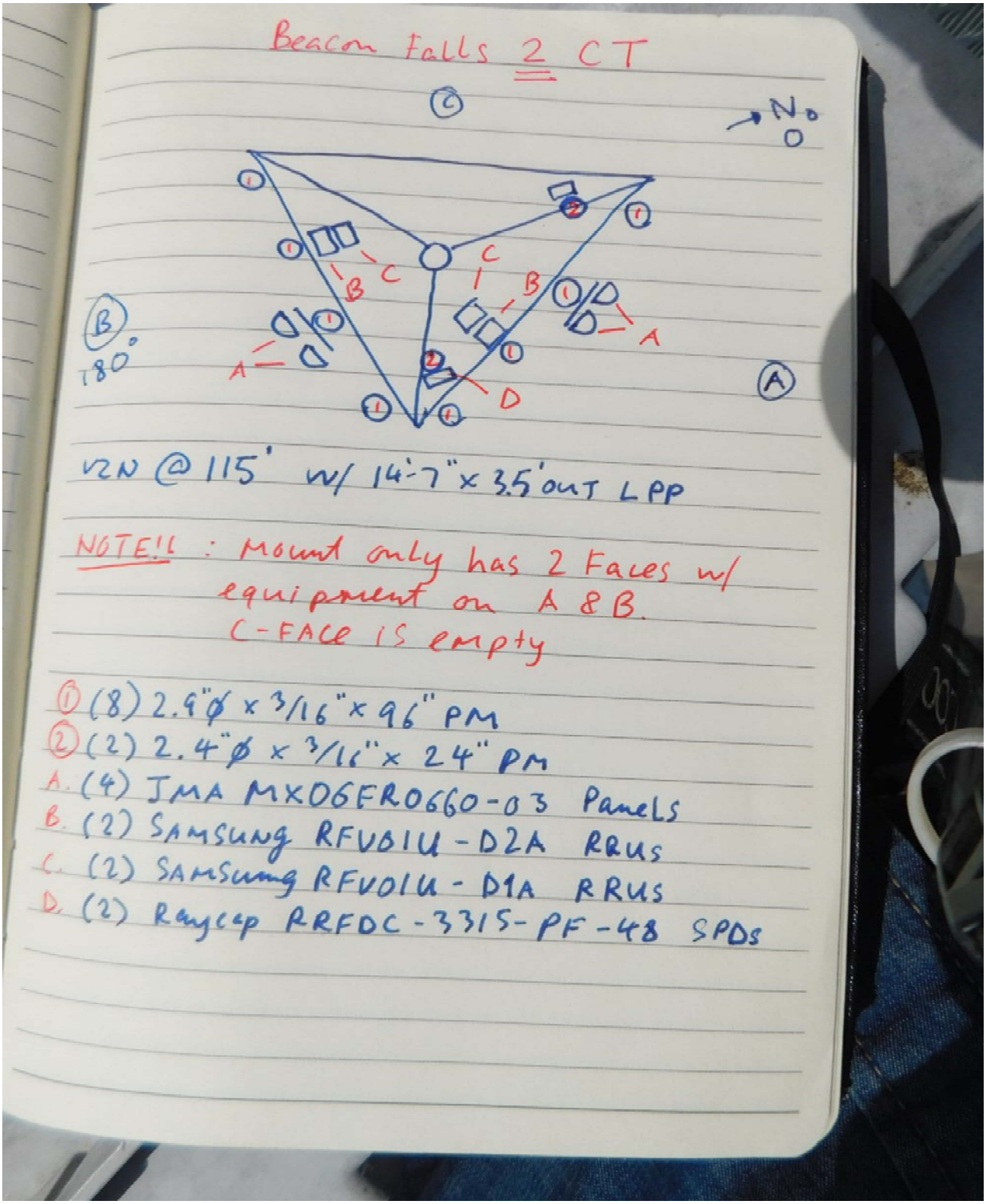
PAUL J. FORD & COMPANY

Antenna Mount Mapping Form (PATENT PENDING)

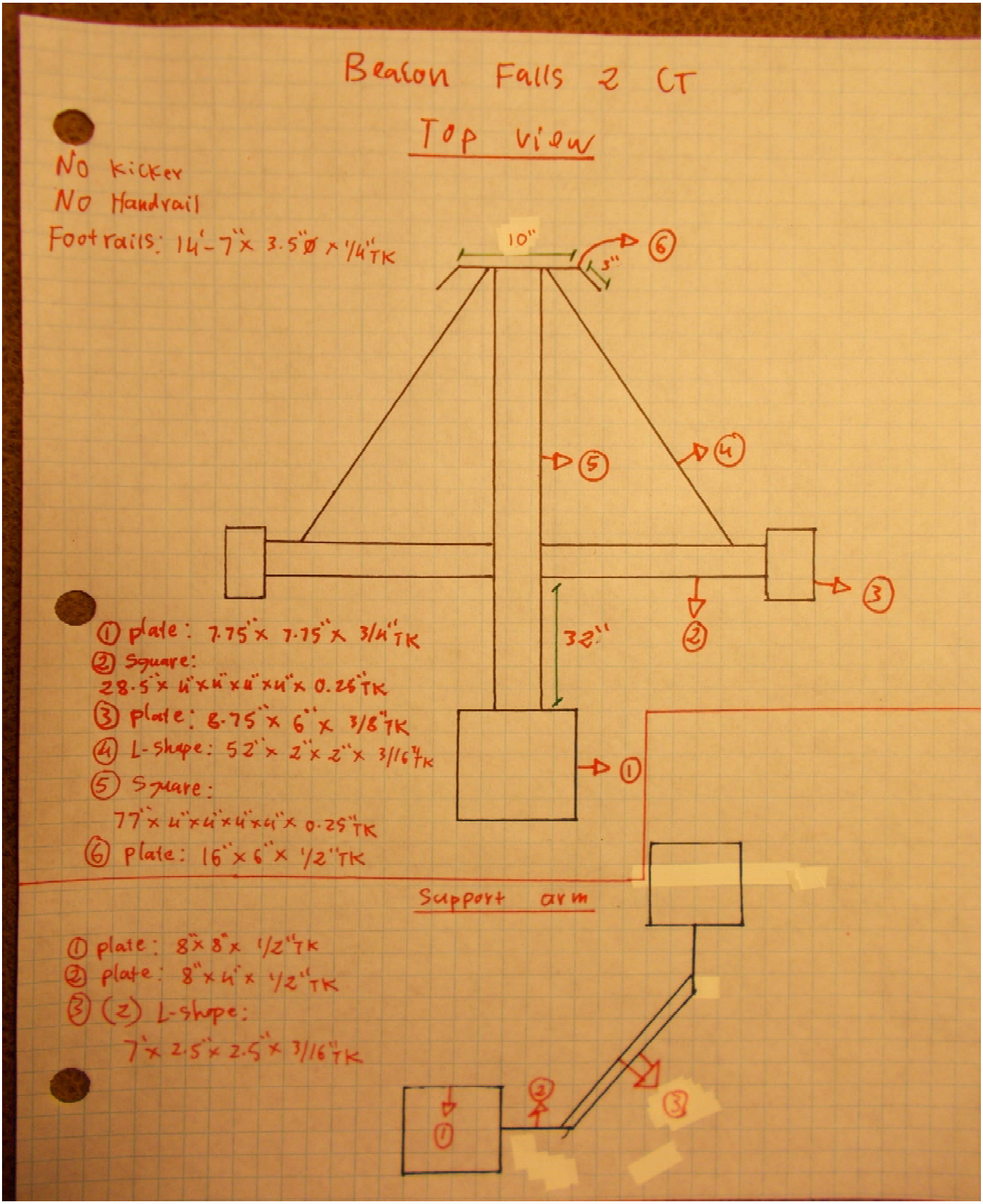
FCC #

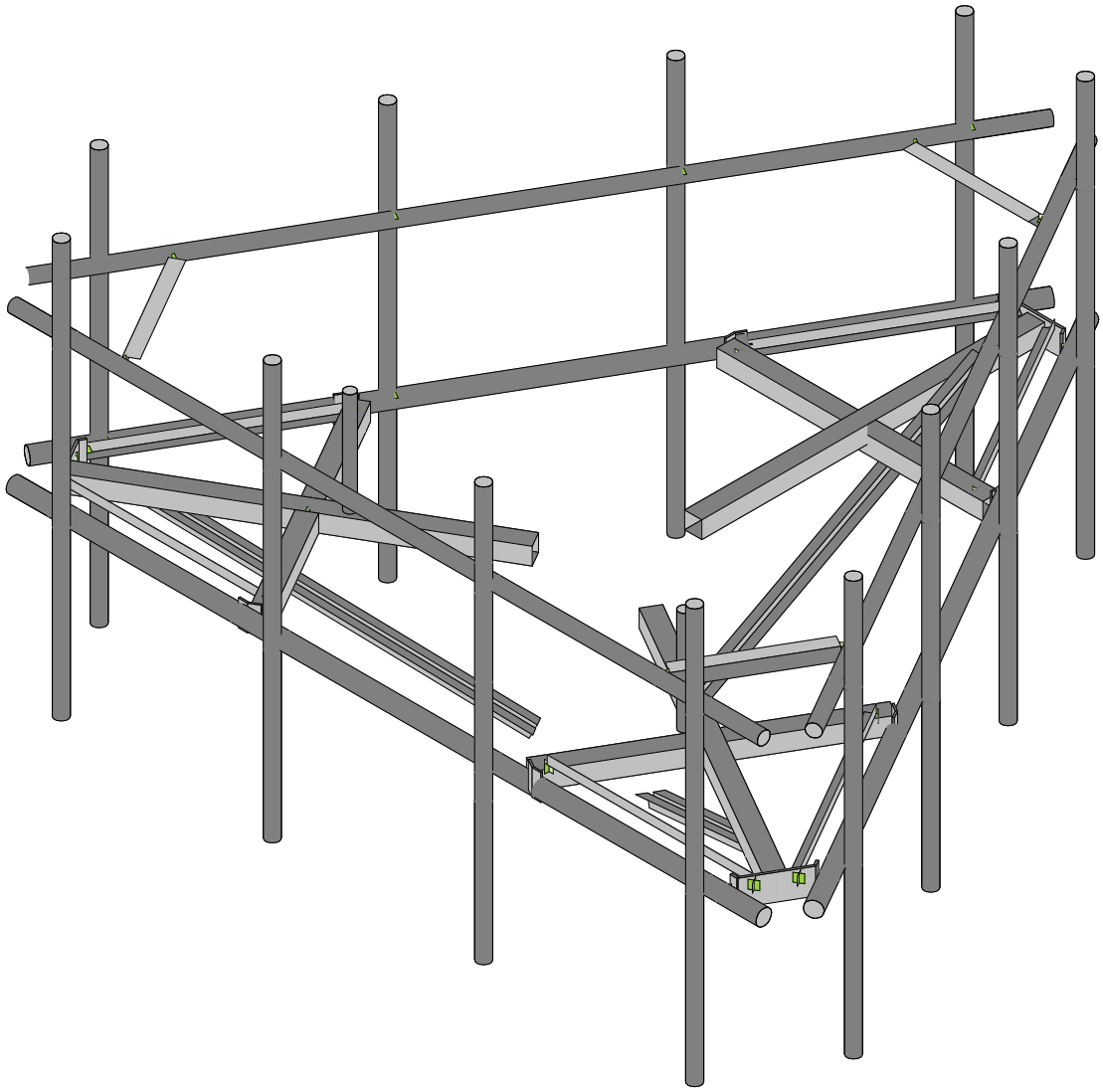
Tower Owner:	ATC	**Mapping Date:**	
Site Name:	Beacon Falls 2 CT	**Tower Type:**	Monopole
Site Number or ID:	470974	**Tower Height (Ft.):**	
Mapping Contractor:	FDH Infrastructure Services, LLC	**Mount Elevation (Ft.):**	115

Please Insert Sketches of the Antenna Mount

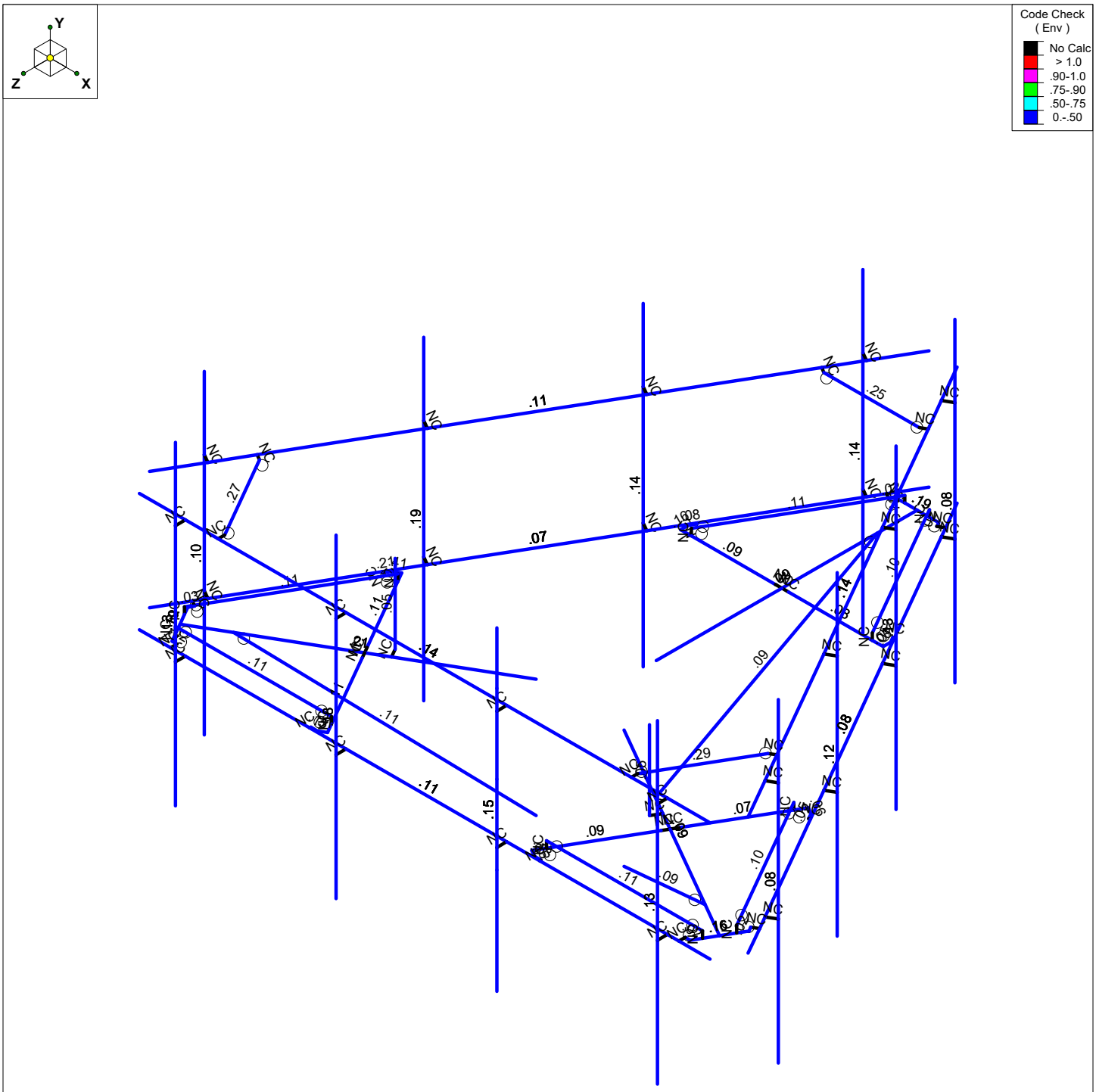


Please Insert Sketches of the Antenna Mount, cont'd



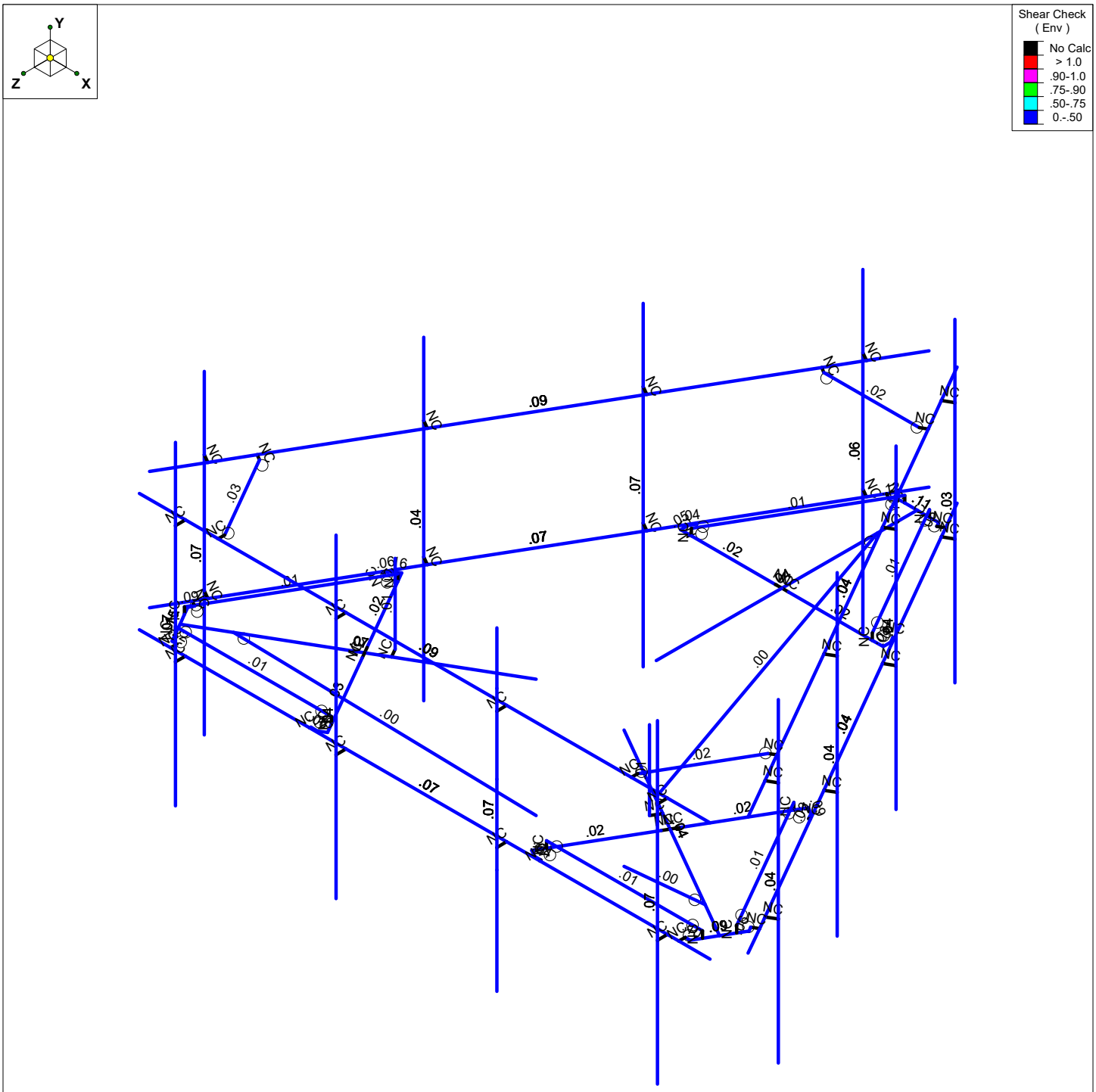


Maser Consulting	470974-VZW	SK - 1
FAC		June 22, 2021 at 7:49 PM
16244162		MOD_470974-VZW_MT_LO_H.r3d



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

Maser Consulting	470974-VZW	SK - 2
FAC		June 22, 2021 at 7:49 PM
16244162		MOD_470974-VZW_MT_LO_H.r3d



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

Maser Consulting	470974-VZW	SK - 3
FAC		June 22, 2021 at 7:49 PM
16244162		MOD_470974-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					54			
2	Antenna Di	None					54			
3	Antenna Wo (0 Deg)	None					54			
4	Antenna Wo (30 Deg)	None					54			
5	Antenna Wo (60 Deg)	None					54			
6	Antenna Wo (90 Deg)	None					54			
7	Antenna Wo (120 Deg)	None					54			
8	Antenna Wo (150 Deg)	None					54			
9	Antenna Wo (180 Deg)	None					54			
10	Antenna Wo (210 Deg)	None					54			
11	Antenna Wo (240 Deg)	None					54			
12	Antenna Wo (270 Deg)	None					54			
13	Antenna Wo (300 Deg)	None					54			
14	Antenna Wo (330 Deg)	None					54			
15	Antenna Wi (0 Deg)	None					54			
16	Antenna Wi (30 Deg)	None					54			
17	Antenna Wi (60 Deg)	None					54			
18	Antenna Wi (90 Deg)	None					54			
19	Antenna Wi (120 Deg)	None					54			
20	Antenna Wi (150 Deg)	None					54			
21	Antenna Wi (180 Deg)	None					54			
22	Antenna Wi (210 Deg)	None					54			
23	Antenna Wi (240 Deg)	None					54			
24	Antenna Wi (270 Deg)	None					54			
25	Antenna Wi (300 Deg)	None					54			
26	Antenna Wi (330 Deg)	None					54			
27	Antenna Wm (0 Deg)	None					54			
28	Antenna Wm (30 Deg)	None					54			
29	Antenna Wm (60 Deg)	None					54			
30	Antenna Wm (90 Deg)	None					54			
31	Antenna Wm (120 Deg)	None					54			
32	Antenna Wm (150 Deg)	None					54			
33	Antenna Wm (180 Deg)	None					54			
34	Antenna Wm (210 Deg)	None					54			
35	Antenna Wm (240 Deg)	None					54			
36	Antenna Wm (270 Deg)	None					54			
37	Antenna Wm (300 Deg)	None					54			
38	Antenna Wm (330 Deg)	None					54			
39	Structure D	None		-1					3	
40	Structure Di	None						62	3	
41	Structure Wo (0 Deg)	None						124		
42	Structure Wo (30 Deg)	None						124		
43	Structure Wo (60 Deg)	None						124		
44	Structure Wo (90 Deg)	None						124		
45	Structure Wo (120 D...	None						124		
46	Structure Wo (150 D...	None						124		
47	Structure Wo (180 D...	None						124		
48	Structure Wo (210 D...	None						124		
49	Structure Wo (240 D...	None						124		
50	Structure Wo (270 D...	None						124		
51	Structure Wo (300 D...	None						124		
52	Structure Wo (330 D...	None						124		
53	Structure Wi (0 Deg)	None						124		
54	Structure Wi (30 Deg)	None						124		
55	Structure Wi (60 Deg)	None						124		
56	Structure Wi (90 Deg)	None						124		

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						124		
58	Structure Wi (150 De...	None						124		
59	Structure Wi (180 De...	None						124		
60	Structure Wi (210 De...	None						124		
61	Structure Wi (240 De...	None						124		
62	Structure Wi (270 De...	None						124		
63	Structure Wi (300 De...	None						124		
64	Structure Wi (330 De...	None						124		
65	Structure Wm (0 Deg)	None						124		
66	Structure Wm (30 De...	None						124		
67	Structure Wm (60 De...	None						124		
68	Structure Wm (90 De...	None						124		
69	Structure Wm (120 D...	None						124		
70	Structure Wm (150 D...	None						124		
71	Structure Wm (180 D...	None						124		
72	Structure Wm (210 D...	None						124		
73	Structure Wm (240 D...	None						124		
74	Structure Wm (270 D...	None						124		
75	Structure Wm (300 D...	None						124		
76	Structure Wm (330 D...	None						124		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Are...	None						30		
82	BLC 40 Transient Are...	None						30		

Load Combinations

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

Load Combinations (Continued)

	Description	Sol...	PD...	SR...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...
27	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	Seismic M...		Y		1	1	39	1																
53	1.2D + 1.0...		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1										
54	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.866										
55	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5										
56	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	1	SY	1	SZ											
57	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5										
58	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866										
59	1.2D + 1.0...		Y		1	1.2	39	1.2	SX		SY	1	SZ	1										
60	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866										
61	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	.5										
62	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ											
63	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	-.5										
64	1.2D + 1.0...		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	CP	0	0	0	0	
2	N21	-1.118614	0	0.645832	0	
3	N26A	-3.881553	0	2.241015	0	
4	N29A	-6.856104	0	3.958373	0	
5	N36	-7.249996	0	4.595516	0	
6	N53A	7.249996	0	4.595516	0	
7	N49A	7.604831	0	3.980923	0	
8	N50	0.354835	0	-8.576439	0	
9	N51A	-0.354835	0	-8.576439	0	
10	N52A	-7.604831	0	3.980923	0	
11	N79A	-2.595102	0	4.46922	0	
12	N80A	-5.031241	0.166667	0.249703	0	
13	N81A	-2.731871	0.166667	4.232328	0	
14	N84A	-5.031241	0	0.249703	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
15	N85A	-2.731871	0	4.232328	0	
16	N86A	-7.01393	0.166667	3.683827	0	
17	N87A	-6.698628	0.166667	4.232325	0	
18	N88A	-7.014618	0	3.683827	0	
19	N89_1	-6.697942	0	4.232325	0	
20	N90_1	-5.168011	0	0.01281	0	
21	N91_1	-3.798223	0	2.385353	0	
22	N92_1	-3.96489	0	2.096678	0	
23	N95_1	-7.129545	0	3.484766	0	
24	N96_1	-6.58267	0	4.431981	0	
25	N112	-2.757481	0	4.56297	0	
26	N113	-5.330391	0	0.10656	0	
27	N116	-2.924148	0	4.56297	0	
28	N120	-2.924148	0	4.595516	0	
29	N120A	-6.45767	0	4.431981	0	
30	N124	-6.45767	0	4.595516	0	
31	N145	-5.413724	0	0.250898	0	
32	N147	-5.441909	0	0.234625	0	
33	N149	-7.067045	0	3.376513	0	
34	N151	-7.20867	0	3.294745	0	
35	N84B	1.118614	0	0.645832	0	
36	N85B	3.881553	0	2.241015	0	
37	N86B	6.856104	0	3.958373	0	
38	N87B	5.168009	0	0.012814	0	
39	N88B	2.73187	0.166667	4.232331	0	
40	N89A	5.031239	0.166667	0.249706	0	
41	N91A	2.73187	0	4.232331	0	
42	N92A	5.031239	0	0.249706	0	
43	N93	6.697252	0.166667	4.232328	0	
44	N94	7.014615	0.166667	3.685019	0	
45	N95A	6.697596	0	4.232924	0	
46	N96A	7.014272	0	3.684425	0	
47	N97A	2.5951	0	4.469224	0	
48	N98A	3.964888	0	2.096681	0	
49	N99	3.798221	0	2.385356	0	
50	N100	6.582668	0	4.431984	0	
51	N101	7.129543	0	3.484769	0	
52	N102	5.330389	0	0.106564	0	
53	N103	2.757479	0	4.562974	0	
54	N104	5.413722	0	0.250901	0	
55	N105	5.441907	0	0.234629	0	
56	N106	7.067043	0	3.376516	0	
57	N107	7.208669	0	3.294749	0	
58	N108	2.924146	0	4.562974	0	
59	N109	2.924146	0	4.595519	0	
60	N110	6.457668	0	4.431984	0	
61	N111	6.457668	0	4.595519	0	
62	N112A	0.	0	-1.291664	0	
63	N113A	-0.	0	-4.482031	0	
64	N114	-0.	0	-7.916747	0	
65	N115	-2.572908	0	-4.482034	0	
66	N116A	2.299372	0.166667	-4.482034	0	
67	N117	-2.299368	0.166667	-4.482034	0	
68	N119	2.299372	0	-4.482034	0	
69	N120B	-2.299368	0	-4.482034	0	
70	N121	0.316678	0.166667	-7.916155	0	
71	N122	-0.315987	0.166667	-7.917344	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
72	N123	0.317021	0	-7.91675	0	
73	N124A	-0.31633	0	-7.91675	0	
74	N125	2.572911	0	-4.482034	0	
75	N126	-0.166665	0	-4.482034	0	
76	N127	0.166669	0	-4.482034	0	
77	N128	0.546877	0	-7.91675	0	
78	N129	-0.546873	0	-7.91675	0	
79	N130	-2.572908	0	-4.669534	0	
80	N131	2.572911	0	-4.669534	0	
81	N132	-2.489574	0	-4.813872	0	
82	N133	-2.517759	0	-4.830144	0	
83	N134	-0.609373	0	-7.808497	0	
84	N135	-0.750998	0	-7.890264	0	
85	N136	2.489578	0	-4.813872	0	
86	N137	2.517763	0	-4.830144	0	
87	N138	0.609377	0	-7.808497	0	
88	N139	0.751002	0	-7.890264	0	
89	N92	-1.118614	-3	0.645832	0	
90	N93A	1.118614	-3	0.645832	0	
91	N94A	0.	-3	-1.291664	0	
92	N95	-0.	0	-6.916747	0	
93	N97	-5.990079	0	3.458373	0	
94	N99A	5.990079	0	3.458373	0	
95	N95B	6.166663	0	4.595516	0	
96	N96	2.083329	0	4.595516	0	
97	N97B	-2.000004	0	4.595516	0	
98	N98	-6.083337	0	4.595516	0	
99	N99B	6.166663	0	4.845516	0	
100	N100A	2.083329	0	4.845516	0	
101	N101A	-2.000004	0	4.845516	0	
102	N102A	-6.083337	0	4.845516	0	
103	N103A	6.166663	4.833333	4.845516	0	
104	N104A	2.083329	4.833333	4.845516	0	
105	N105A	-2.000004	4.833333	4.845516	0	
106	N106A	-6.083337	4.833333	4.845516	0	
107	N107A	6.166663	-3.166667	4.845516	0	
108	N108A	2.083329	-3.166667	4.845516	0	
109	N109A	-2.000004	-3.166667	4.845516	0	
110	N110A	-6.083337	-3.166667	4.845516	0	
111	N111A	3.44854	0	1.991015	0	
112	N112B	3.32354	0	2.207522	0	
113	N116B	-7.063165	0	3.042729	0	
114	N117A	-5.021498	0	-0.493542	0	
115	N118	-2.979831	0	-4.029812	0	
116	N119A	-0.938165	0	-7.566082	0	
117	N120C	-7.279671	0	2.917729	0	
118	N121A	-5.238004	0	-0.618542	0	
119	N122A	-3.196338	0	-4.154812	0	
120	N123A	-1.154671	0	-7.691082	0	
121	N124B	-7.279671	4.833333	2.917729	0	
122	N125A	-5.238004	4.833333	-0.618542	0	
123	N126A	-3.196338	4.833333	-4.154812	0	
124	N127A	-1.154671	4.833333	-7.691082	0	
125	N128A	-7.279671	-3.166667	2.917729	0	
126	N129A	-5.238004	-3.166667	-0.618542	0	
127	N130A	-3.196338	-3.166667	-4.154812	0	
128	N131A	-1.154671	-3.166667	-7.691082	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
129	N129B	3.32354	2	2.207522	0	
130	N131B	-3.44854	0	1.991015	0	
131	N132A	-3.57354	0	1.774509	0	
132	N133A	-3.57354	2	1.774509	0	
133	N133B	2.083329	1.5	4.845516	0	
134	N134A	2.083329	3.5	4.845516	0	
135	N135A	2.083329	-0.5	4.845516	0	
136	N136A	0.896502	0	-7.638244	0	
137	N137A	2.938169	0	-4.101974	0	
138	N138A	4.979835	0	-0.565704	0	
139	N139A	7.021502	0	2.970567	0	
140	N140	1.113008	0	-7.763244	0	
141	N141	3.154675	0	-4.226974	0	
142	N142	5.196342	0	-0.690704	0	
143	N143	7.238008	0	2.845567	0	
144	N144	1.113008	4.833333	-7.763244	0	
145	N145A	3.154675	4.833333	-4.226974	0	
146	N146	5.196342	4.833333	-0.690704	0	
147	N147A	7.238008	4.833333	2.845567	0	
148	N148	1.113008	-3.166667	-7.763244	0	
149	N149A	3.154675	-3.166667	-4.226974	0	
150	N150	5.196342	-3.166667	-0.690704	0	
151	N151A	7.238008	-3.166667	2.845567	0	
152	N152	-7.249996	3	4.595516	0	
153	N153	7.249996	3	4.595516	0	
154	N154	6.166663	3	4.595516	0	
155	N155	2.083329	3	4.595516	0	
156	N156	-2.000004	3	4.595516	0	
157	N157	-6.083337	3	4.595516	0	
158	N158	6.166663	3	4.845516	0	
159	N159	2.083329	3	4.845516	0	
160	N160	-2.000004	3	4.845516	0	
161	N161	-6.083337	3	4.845516	0	
162	N162	-5.250004	3	4.595516	0	
163	N163	-5.250004	3	4.428849	0	
164	N164	5.250004	3	4.595516	0	
165	N165	5.250004	3	4.428849	0	
166	N166	7.604831	3	3.980923	0	
167	N167	0.354835	3	-8.576439	0	
168	N168	0.896502	3	-7.638244	0	
169	N169	2.938169	3	-4.101974	0	
170	N170	4.979835	3	-0.565704	0	
171	N171	7.021502	3	2.970567	0	
172	N172	1.113008	3	-7.763244	0	
173	N173	3.154675	3	-4.226974	0	
174	N174	5.196342	3	-0.690704	0	
175	N175	7.238008	3	2.845567	0	
176	N176	6.604835	3	2.248879	0	
177	N177	6.460498	3	2.332212	0	
178	N178	1.354831	3	-6.844395	0	
179	N179	1.210494	3	-6.761061	0	
180	N180	-0.354835	3	-8.576439	0	
181	N181	-7.604831	3	3.980923	0	
182	N182	-7.063165	3	3.042729	0	
183	N183	-5.021498	3	-0.493542	0	
184	N184	-2.979831	3	-4.029812	0	
185	N185	-0.938165	3	-7.566082	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
186	N186	-7.279671	3	2.917729	0	
187	N187	-5.238004	3	-0.618542	0	
188	N188	-3.196338	3	-4.154812	0	
189	N189	-1.154671	3	-7.691082	0	
190	N190	-1.354831	3	-6.844395	0	
191	N191	-1.210494	3	-6.761061	0	
192	N192	-6.604835	3	2.248879	0	
193	N193	-6.460498	3	2.332212	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff Horizontal	HSS4X4X4	Beam	SquareTube	A500 Gr....	Typical	3.37	7.8	7.8	12.8
3	Corner Plate	PL1/2x6	Beam	BAR	A36 Gr.36	Typical	3	.063	9	.237
4	Platform Crossmember	HSS4X4X4	Beam	SquareTube	A500 Gr....	Typical	3.37	7.8	7.8	12.8
5	Grating Support	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
6	Mount Pipe	PIPE_2.5	Column	Wide Flange	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
7	Mount Pipe_1	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
8	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
9	Kickers	LL2.5x2.5...	Column	Double Angle (N...	A36 Gr.36	Typical	1.8	1.91	1.07	.023
10	Support Rail	PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
11	Support Rail Corner	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031

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	M13	N21	N29A			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
2	M20	N53A	N36			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
3	M32	N50	N49A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
4	M33A	N52A	N51A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
5	M41A	N90_1	N92_1			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
6	M42_1	N91_1	N79A			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
7	M43A_1	N96_1	N95_1			Corner Plate	Beam	BAR	A36 Gr.36	Typical
8	M44_1	N81A	N85A			RIGID	None	None	RIGID	Typical
9	M45_1	N80A	N84A			RIGID	None	None	RIGID	Typical
10	M46A	N86A	N80A			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
11	M47	N81A	N87A			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
12	M48	N87A	N89_1			RIGID	None	None	RIGID	Typical
13	M49	N86A	N88A			RIGID	None	None	RIGID	Typical
14	M50_1	N91_1	N26A			RIGID	None	None	RIGID	Typical
15	M51_1	N26A	N92_1			RIGID	None	None	RIGID	Typical
16	M64	N79A	N112			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
17	M65	N112	N116			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
18	M68	N116	N120			RIGID	None	None	RIGID	Typical
19	M71	N96_1	N120A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
20	M72	N120A	N124			RIGID	None	None	RIGID	Typical
21	M86	N90_1	N113			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
22	M87	N113	N145			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
23	M89	N145	N147			RIGID	None	None	RIGID	Typical
24	M90	N95_1	N149			Corner Plate	Beam	BAR	A36 Gr.36	Typical
25	M93	N149	N151			RIGID	None	None	RIGID	Typical
26	M50A	N84B	N86B			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
27	M51A	N97A	N99			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
28	M52	N98A	N87B			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
29	M53A	N101	N100			Corner Plate	Beam	BAR	A36 Gr.36	Typical
30	M54	N89A	N92A			RIGID	None	None	RIGID	Typical
31	M55	N88B	N91A			RIGID	None	None	RIGID	Typical
32	M56	N93	N88B			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
33	M57	N89A	N94			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
34	M58	N94	N96A			RIGID	None	None	RIGID	Typical
35	M59	N93	N95A			RIGID	None	None	RIGID	Typical
36	M60	N98A	N85B			RIGID	None	None	RIGID	Typical
37	M61	N85B	N99			RIGID	None	None	RIGID	Typical
38	M62	N87B	N102			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
39	M63	N102	N104			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
40	M64A	N104	N105			RIGID	None	None	RIGID	Typical
41	M65A	N101	N106			Corner Plate	Beam	BAR	A36 Gr.36	Typical
42	M66	N106	N107			RIGID	None	None	RIGID	Typical
43	M67	N97A	N103			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
44	M68A	N103	N108			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
45	M69	N108	N109			RIGID	None	None	RIGID	Typical
46	M70	N100	N110			Corner Plate	Beam	BAR	A36 Gr.36	Typical
47	M71A	N110	N111			RIGID	None	None	RIGID	Typical
48	M72A	N112A	N114			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
49	M73	N125	N127			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
50	M74	N126	N115			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
51	M75	N129	N128			Corner Plate	Beam	BAR	A36 Gr.36	Typical
52	M76	N117	N120B			RIGID	None	None	RIGID	Typical
53	M77	N116A	N119			RIGID	None	None	RIGID	Typical
54	M78	N121	N116A			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
55	M79	N117	N122			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
56	M80	N122	N124A			RIGID	None	None	RIGID	Typical
57	M81	N121	N123			RIGID	None	None	RIGID	Typical
58	M82	N126	N113A			RIGID	None	None	RIGID	Typical
59	M83	N113A	N127			RIGID	None	None	RIGID	Typical
60	M84	N115	N130			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
61	M85	N130	N132			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
62	M86A	N132	N133			RIGID	None	None	RIGID	Typical
63	M87A	N129	N134			Corner Plate	Beam	BAR	A36 Gr.36	Typical
64	M88	N134	N135			RIGID	None	None	RIGID	Typical
65	M89A	N125	N131			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
66	M90A	N131	N136			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
67	M91	N136	N137			RIGID	None	None	RIGID	Typical
68	M92	N128	N138			Corner Plate	Beam	BAR	A36 Gr.36	Typical
69	M93A	N138	N139			RIGID	None	None	RIGID	Typical
70	M71B	N97	N92			Kickers	Column	Double Angle (...	A36 Gr.36	Typical
71	M72B	N95	N94A			Kickers	Column	Double Angle (...	A36 Gr.36	Typical
72	M73A	N99A	N93A			Kickers	Column	Double Angle (...	A36 Gr.36	Typical
73	M73B	N102A	N98			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
74	M74A	N101A	N97B			RIGID	None	None	RIGID	Typical
75	M75A	N100A	N96			RIGID	None	None	RIGID	Typical
76	M76A	N99B	N95B			RIGID	None	None	RIGID	Typical
77	MP4A	N106A	N110A			Mount Pipe	Column	Wide Flange	A53 Gr.B	Typical
78	MP3A	N105A	N109A			Mount Pipe	Column	Wide Flange	A53 Gr.B	Typical
79	MP2A	N104A	N108A			Mount Pipe	Column	Wide Flange	A53 Gr.B	Typical
80	MP1A	N103A	N107A			Mount Pipe	Column	Wide Flange	A53 Gr.B	Typical
81	M81A	N111A	N112B			RIGID	None	None	RIGID	Typical
82	M83A	N123A	N119A			RIGID	None	None	RIGID	Typical
83	M84A	N122A	N118			RIGID	None	None	RIGID	Typical
84	M85A	N121A	N117A			RIGID	None	None	RIGID	Typical
85	M86B	N120C	N116B			RIGID	None	None	RIGID	Typical
86	MP4B	N127A	N131A			Mount Pipe	Column	Wide Flange	A53 Gr.B	Typical
87	MP3B	N126A	N130A			Mount Pipe	Column	Wide Flange	A53 Gr.B	Typical
88	MP2B	N125A	N129A			Mount Pipe	Column	Wide Flange	A53 Gr.B	Typical
89	MP1B	N124B	N128A			Mount Pipe	Column	Wide Flange	A53 Gr.B	Typical
90	OVP2	N129B	N112B			Mount Pipe_1	Column	Pipe	A53 Gr.B	Typical
91	M91A	N131B	N132A			RIGID	None	None	RIGID	Typical
92	OVP1	N133A	N132A			Mount Pipe_1	Column	Pipe	A53 Gr.B	Typical
93	M93B	N143	N139A			RIGID	None	None	RIGID	Typical
94	M94	N142	N138A			RIGID	None	None	RIGID	Typical
95	M95	N141	N137A			RIGID	None	None	RIGID	Typical
96	M96	N140	N136A			RIGID	None	None	RIGID	Typical
97	MP4C	N147A	N151A			Mount Pipe	Column	Wide Flange	A53 Gr.B	Typical
98	MP3C	N146	N150			Mount Pipe	Column	Wide Flange	A53 Gr.B	Typical
99	MP2C	N145A	N149A			Mount Pipe	Column	Wide Flange	A53 Gr.B	Typical
100	MP1C	N144	N148			Mount Pipe	Column	Wide Flange	A53 Gr.B	Typical
101	M101	N153	N152			Support Rail	Beam	Pipe	A53 Gr.B	Typical
102	M102	N161	N157			RIGID	None	None	RIGID	Typical
103	M103	N160	N156			RIGID	None	None	RIGID	Typical
104	M104	N159	N155			RIGID	None	None	RIGID	Typical
105	M105	N158	N154			RIGID	None	None	RIGID	Typical
106	M106	N162	N163			RIGID	None	None	RIGID	Typical
107	M107	N164	N165			RIGID	None	None	RIGID	Typical
108	M108	N167	N166			Support Rail	Beam	Pipe	A53 Gr.B	Typical
109	M109	N175	N171			RIGID	None	None	RIGID	Typical
110	M110	N174	N170			RIGID	None	None	RIGID	Typical
111	M111	N173	N169			RIGID	None	None	RIGID	Typical
112	M112	N172	N168			RIGID	None	None	RIGID	Typical
113	M113	N176	N177			RIGID	None	None	RIGID	Typical
114	M114	N178	N179			RIGID	None	None	RIGID	Typical
115	M115	N181	N180			Support Rail	Beam	Pipe	A53 Gr.B	Typical
116	M116	N189	N185			RIGID	None	None	RIGID	Typical
117	M117	N188	N184			RIGID	None	None	RIGID	Typical
118	M118	N187	N183			RIGID	None	None	RIGID	Typical
119	M119	N186	N182			RIGID	None	None	RIGID	Typical
120	M120	N190	N191			RIGID	None	None	RIGID	Typical
121	M121	N192	N193			RIGID	None	None	RIGID	Typical
122	M122	N163	N193		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical
123	M123	N191	N179		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical
124	M124	N177	N165		90	Support Rail C...	Beam	Single 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	M13	Standoff Ho...	6.625			Lbyy						Lateral
2	M20	Face Horizo...	14.5			Lbyy						Lateral
3	M32	Face Horizo...	14.5			Lbyy						Lateral
4	M33A	Face Horizo...	14.5			Lbyy						Lateral
5	M41A	Platform Cr...	2.406			Lbyy						Lateral
6	M42_1	Platform Cr...	2.406			Lbyy						Lateral
7	M43A_1	Corner Plate	1.094			Lbyy						Lateral
8	M46A	Grating Sup...	3.965			Lbyy						Lateral
9	M47	Grating Sup...	3.967			Lbyy						Lateral
10	M64	Cross Arm ...	.188									Lateral
11	M65	Cross Arm ...	.167									Lateral
12	M71	Corner Plate	.125			Lbyy						Lateral
13	M86	Cross Arm ...	.188									Lateral
14	M87	Cross Arm ...	.167									Lateral
15	M90	Corner Plate	.125			Lbyy						Lateral
16	M50A	Standoff Ho...	6.625			Lbyy						Lateral
17	M51A	Platform Cr...	2.406			Lbyy						Lateral
18	M52	Platform Cr...	2.406			Lbyy						Lateral
19	M53A	Corner Plate	1.094			Lbyy						Lateral
20	M56	Grating Sup...	3.965			Lbyy						Lateral
21	M57	Grating Sup...	3.967			Lbyy						Lateral
22	M62	Cross Arm ...	.188									Lateral
23	M63	Cross Arm ...	.167									Lateral
24	M65A	Corner Plate	.125			Lbyy						Lateral
25	M67	Cross Arm ...	.187									Lateral
26	M68A	Cross Arm ...	.167									Lateral
27	M70	Corner Plate	.125			Lbyy						Lateral
28	M72A	Standoff Ho...	6.625			Lbyy						Lateral
29	M73	Platform Cr...	2.406			Lbyy						Lateral
30	M74	Platform Cr...	2.406			Lbyy						Lateral
31	M75	Corner Plate	1.094			Lbyy						Lateral
32	M78	Grating Sup...	3.965			Lbyy						Lateral
33	M79	Grating Sup...	3.967			Lbyy						Lateral
34	M84	Cross Arm ...	.188									Lateral
35	M85	Cross Arm ...	.167									Lateral
36	M87A	Corner Plate	.125			Lbyy						Lateral
37	M89A	Cross Arm ...	.188									Lateral
38	M90A	Cross Arm ...	.167									Lateral
39	M92	Corner Plate	.125			Lbyy						Lateral
40	M71B	Kickers	6.375									Lateral
41	M72B	Kickers	6.375									Lateral
42	M73A	Kickers	6.375									Lateral
43	MP4A	Mount Pipe	8									Lateral
44	MP3A	Mount Pipe	8									Lateral
45	MP2A	Mount Pipe	8									Lateral
46	MP1A	Mount Pipe	8									Lateral
47	MP4B	Mount Pipe	8									Lateral
48	MP3B	Mount Pipe	8									Lateral
49	MP2B	Mount Pipe	8									Lateral
50	MP1B	Mount Pipe	8									Lateral
51	OVP2	Mount Pipe_1	2									Lateral
52	OVP1	Mount Pipe_1	2									Lateral
53	MP4C	Mount Pipe	8									Lateral
54	MP3C	Mount Pipe	8									Lateral
55	MP2C	Mount Pipe	8									Lateral
56	MP1C	Mount Pipe	8									Lateral
57	M101	Support Rail	14.5			Lbyy						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
58	M108	Support Rail	14.5			Lbyy						Lateral
59	M115	Support Rail	14.5			Lbyy						Lateral
60	M122	Support Rail...	2.421			Lbyy						Lateral
61	M123	Support Rail...	2.421			Lbyy						Lateral
62	M124	Support Rail...	2.421			Lbyy						Lateral

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	Y	-43.55	2.33
2	MP4A	My	-.033	2.33
3	MP4A	Mz	0	2.33
4	MP4A	Y	-43.55	4.33
5	MP4A	My	-.033	4.33
6	MP4A	Mz	0	4.33
7	MP4B	Y	-43.55	2.33
8	MP4B	My	-.033	2.33
9	MP4B	Mz	0	2.33
10	MP4B	Y	-43.55	4.33
11	MP4B	My	-.033	4.33
12	MP4B	Mz	0	4.33
13	MP2A	Y	-23	1.33
14	MP2A	My	-.017	1.33
15	MP2A	Mz	0	1.33
16	MP2A	Y	-23	5.33
17	MP2A	My	-.017	5.33
18	MP2A	Mz	0	5.33
19	MP2B	Y	-23	1.33
20	MP2B	My	.013	1.33
21	MP2B	Mz	-.011	1.33
22	MP2B	Y	-23	5.33
23	MP2B	My	.013	5.33
24	MP2B	Mz	-.011	5.33
25	MP2A	Y	-23	1.33
26	MP2A	My	-.017	1.33
27	MP2A	Mz	0	1.33
28	MP2A	Y	-23	5.33
29	MP2A	My	-.017	5.33
30	MP2A	Mz	0	5.33
31	MP2B	Y	-23	1.33
32	MP2B	My	.013	1.33
33	MP2B	Mz	-.011	1.33
34	MP2B	Y	-23	5.33
35	MP2B	My	.013	5.33
36	MP2B	Mz	-.011	5.33
37	OVP1	Y	-26.9	1
38	OVP1	My	-.01	1
39	OVP1	Mz	.009	1
40	MP3A	Y	-84.4	3.58
41	MP3A	My	.032	3.58
42	MP3A	Mz	-.027	3.58
43	MP3B	Y	-84.4	3.58
44	MP3B	My	.032	3.58
45	MP3B	Mz	-.027	3.58
46	MP3A	Y	-70.3	1
47	MP3A	My	.027	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
48	MP3A	Mz	-.023	1
49	MP3B	Y	-70.3	1
50	MP3B	My	.027	1
51	MP3B	Mz	-.023	1
52	OVP2	Y	-26.9	1
53	OVP2	My	-.01	1
54	OVP2	Mz	.009	1

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	Y	-34.841	2.33
2	MP4A	My	-.026	2.33
3	MP4A	Mz	0	2.33
4	MP4A	Y	-34.841	4.33
5	MP4A	My	-.026	4.33
6	MP4A	Mz	0	4.33
7	MP4B	Y	-34.841	2.33
8	MP4B	My	-.026	2.33
9	MP4B	Mz	0	2.33
10	MP4B	Y	-34.841	4.33
11	MP4B	My	-.026	4.33
12	MP4B	Mz	0	4.33
13	MP2A	Y	-80.726	1.33
14	MP2A	My	-.061	1.33
15	MP2A	Mz	0	1.33
16	MP2A	Y	-80.726	5.33
17	MP2A	My	-.061	5.33
18	MP2A	Mz	0	5.33
19	MP2B	Y	-80.726	1.33
20	MP2B	My	.046	1.33
21	MP2B	Mz	-.039	1.33
22	MP2B	Y	-80.726	5.33
23	MP2B	My	.046	5.33
24	MP2B	Mz	-.039	5.33
25	MP2A	Y	-80.726	1.33
26	MP2A	My	-.061	1.33
27	MP2A	Mz	0	1.33
28	MP2A	Y	-80.726	5.33
29	MP2A	My	-.061	5.33
30	MP2A	Mz	0	5.33
31	MP2B	Y	-80.726	1.33
32	MP2B	My	.046	1.33
33	MP2B	Mz	-.039	1.33
34	MP2B	Y	-80.726	5.33
35	MP2B	My	.046	5.33
36	MP2B	Mz	-.039	5.33
37	OVP1	Y	-54.085	1
38	OVP1	My	-.021	1
39	OVP1	Mz	.017	1
40	MP3A	Y	-43.912	3.58
41	MP3A	My	.017	3.58
42	MP3A	Mz	-.014	3.58
43	MP3B	Y	-43.912	3.58
44	MP3B	My	.017	3.58
45	MP3B	Mz	-.014	3.58
46	MP3A	Y	-39.484	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
47	MP3A	My	.015	1
48	MP3A	Mz	-.013	1
49	MP3B	Y	-39.484	1
50	MP3B	My	.015	1
51	MP3B	Mz	-.013	1
52	OVP2	Y	-54.085	1
53	OVP2	My	-.021	1
54	OVP2	Mz	.017	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	0	2.33
2	MP4A	Z	-72.957	2.33
3	MP4A	Mx	0	2.33
4	MP4A	X	0	4.33
5	MP4A	Z	-72.957	4.33
6	MP4A	Mx	0	4.33
7	MP4B	X	0	2.33
8	MP4B	Z	-72.957	2.33
9	MP4B	Mx	0	2.33
10	MP4B	X	0	4.33
11	MP4B	Z	-72.957	4.33
12	MP4B	Mx	0	4.33
13	MP2A	X	0	1.33
14	MP2A	Z	-153.209	1.33
15	MP2A	Mx	0	1.33
16	MP2A	X	0	5.33
17	MP2A	Z	-153.209	5.33
18	MP2A	Mx	0	5.33
19	MP2B	X	0	1.33
20	MP2B	Z	-136.969	1.33
21	MP2B	Mx	.066	1.33
22	MP2B	X	0	5.33
23	MP2B	Z	-136.969	5.33
24	MP2B	Mx	.066	5.33
25	MP2A	X	0	1.33
26	MP2A	Z	-153.209	1.33
27	MP2A	Mx	0	1.33
28	MP2A	X	0	5.33
29	MP2A	Z	-153.209	5.33
30	MP2A	Mx	0	5.33
31	MP2B	X	0	1.33
32	MP2B	Z	-136.969	1.33
33	MP2B	Mx	.066	1.33
34	MP2B	X	0	5.33
35	MP2B	Z	-136.969	5.33
36	MP2B	Mx	.066	5.33
37	OVP1	X	0	1
38	OVP1	Z	-66.37	1
39	OVP1	Mx	-.021	1
40	MP3A	X	0	3.58
41	MP3A	Z	-50.102	3.58
42	MP3A	Mx	.016	3.58
43	MP3B	X	0	3.58
44	MP3B	Z	-50.102	3.58
45	MP3B	Mx	.016	3.58

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
46	MP3A	X	0	1
47	MP3A	Z	-47.056	1
48	MP3A	Mx	.015	1
49	MP3B	X	0	1
50	MP3B	Z	-47.056	1
51	MP3B	Mx	.015	1
52	OVP2	X	0	1
53	OVP2	Z	-66.37	1
54	OVP2	Mx	-.021	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	30.929	2.33
2	MP4A	Z	-53.571	2.33
3	MP4A	Mx	-.023	2.33
4	MP4A	X	30.929	4.33
5	MP4A	Z	-53.571	4.33
6	MP4A	Mx	-.023	4.33
7	MP4B	X	30.929	2.33
8	MP4B	Z	-53.571	2.33
9	MP4B	Mx	-.023	2.33
10	MP4B	X	30.929	4.33
11	MP4B	Z	-53.571	4.33
12	MP4B	Mx	-.023	4.33
13	MP2A	X	71.691	1.33
14	MP2A	Z	-124.173	1.33
15	MP2A	Mx	-.054	1.33
16	MP2A	X	71.691	5.33
17	MP2A	Z	-124.173	5.33
18	MP2A	Mx	-.054	5.33
19	MP2B	X	59.251	1.33
20	MP2B	Z	-102.626	1.33
21	MP2B	Mx	.084	1.33
22	MP2B	X	59.251	5.33
23	MP2B	Z	-102.626	5.33
24	MP2B	Mx	.084	5.33
25	MP2A	X	71.691	1.33
26	MP2A	Z	-124.173	1.33
27	MP2A	Mx	-.054	1.33
28	MP2A	X	71.691	5.33
29	MP2A	Z	-124.173	5.33
30	MP2A	Mx	-.054	5.33
31	MP2B	X	59.251	1.33
32	MP2B	Z	-102.626	1.33
33	MP2B	Mx	.084	1.33
34	MP2B	X	59.251	5.33
35	MP2B	Z	-102.626	5.33
36	MP2B	Mx	.084	5.33
37	OVP1	X	26.793	1
38	OVP1	Z	-46.406	1
39	OVP1	Mx	-.025	1
40	MP3A	X	20.529	3.58
41	MP3A	Z	-35.558	3.58
42	MP3A	Mx	.019	3.58
43	MP3B	X	20.529	3.58
44	MP3B	Z	-35.558	3.58

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
45	MP3B	Mx	.019	3.58
46	MP3A	X	17.274	1
47	MP3A	Z	-29.919	1
48	MP3A	Mx	.016	1
49	MP3B	X	17.274	1
50	MP3B	Z	-29.919	1
51	MP3B	Mx	.016	1
52	OVP2	X	26.793	1
53	OVP2	Z	-46.406	1
54	OVP2	Mx	-.025	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	34.347	2.33
2	MP4A	Z	-19.83	2.33
3	MP4A	Mx	-.026	2.33
4	MP4A	X	34.347	4.33
5	MP4A	Z	-19.83	4.33
6	MP4A	Mx	-.026	4.33
7	MP4B	X	34.347	2.33
8	MP4B	Z	-19.83	2.33
9	MP4B	Mx	-.026	2.33
10	MP4B	X	34.347	4.33
11	MP4B	Z	-19.83	4.33
12	MP4B	Mx	-.026	4.33
13	MP2A	X	107.154	1.33
14	MP2A	Z	-61.865	1.33
15	MP2A	Mx	-.08	1.33
16	MP2A	X	107.154	5.33
17	MP2A	Z	-61.865	5.33
18	MP2A	Mx	-.08	5.33
19	MP2B	X	99.671	1.33
20	MP2B	Z	-57.545	1.33
21	MP2B	Mx	.085	1.33
22	MP2B	X	99.671	5.33
23	MP2B	Z	-57.545	5.33
24	MP2B	Mx	.085	5.33
25	MP2A	X	107.154	1.33
26	MP2A	Z	-61.865	1.33
27	MP2A	Mx	-.08	1.33
28	MP2A	X	107.154	5.33
29	MP2A	Z	-61.865	5.33
30	MP2A	Mx	-.08	5.33
31	MP2B	X	99.671	1.33
32	MP2B	Z	-57.545	1.33
33	MP2B	Mx	.085	1.33
34	MP2B	X	99.671	5.33
35	MP2B	Z	-57.545	5.33
36	MP2B	Mx	.085	5.33
37	OVP1	X	44.36	1
38	OVP1	Z	-25.611	1
39	OVP1	Mx	-.025	1
40	MP3A	X	34.11	3.58
41	MP3A	Z	-19.694	3.58
42	MP3A	Mx	.019	3.58
43	MP3B	X	34.11	3.58

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
44	MP3B	Z	-19.694	3.58
45	MP3B	Mx	.019	3.58
46	MP3A	X	27.917	1
47	MP3A	Z	-16.118	1
48	MP3A	Mx	.016	1
49	MP3B	X	27.917	1
50	MP3B	Z	-16.118	1
51	MP3B	Mx	.016	1
52	OVP2	X	44.36	1
53	OVP2	Z	-25.611	1
54	OVP2	Mx	-.025	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	28.562	2.33
2	MP4A	Z	0	2.33
3	MP4A	Mx	-.021	2.33
4	MP4A	X	28.562	4.33
5	MP4A	Z	0	4.33
6	MP4A	Mx	-.021	4.33
7	MP4B	X	28.562	2.33
8	MP4B	Z	0	2.33
9	MP4B	Mx	-.021	2.33
10	MP4B	X	28.562	4.33
11	MP4B	Z	0	4.33
12	MP4B	Mx	-.021	4.33
13	MP2A	X	113.905	1.33
14	MP2A	Z	0	1.33
15	MP2A	Mx	-.085	1.33
16	MP2A	X	113.905	5.33
17	MP2A	Z	0	5.33
18	MP2A	Mx	-.085	5.33
19	MP2B	X	130.144	1.33
20	MP2B	Z	0	1.33
21	MP2B	Mx	.075	1.33
22	MP2B	X	130.144	5.33
23	MP2B	Z	0	5.33
24	MP2B	Mx	.075	5.33
25	MP2A	X	113.905	1.33
26	MP2A	Z	0	1.33
27	MP2A	Mx	-.085	1.33
28	MP2A	X	113.905	5.33
29	MP2A	Z	0	5.33
30	MP2A	Mx	-.085	5.33
31	MP2B	X	130.144	1.33
32	MP2B	Z	0	1.33
33	MP2B	Mx	.075	1.33
34	MP2B	X	130.144	5.33
35	MP2B	Z	0	5.33
36	MP2B	Mx	.075	5.33
37	OVP1	X	61.645	1
38	OVP1	Z	0	1
39	OVP1	Mx	-.024	1
40	MP3A	X	46.76	3.58
41	MP3A	Z	0	3.58
42	MP3A	Mx	.018	3.58

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
43	MP3B	X	46.76	3.58
44	MP3B	Z	0	3.58
45	MP3B	Mx	.018	3.58
46	MP3A	X	42.433	1
47	MP3A	Z	0	1
48	MP3A	Mx	.016	1
49	MP3B	X	42.433	1
50	MP3B	Z	0	1
51	MP3B	Mx	.016	1
52	OVP2	X	61.645	1
53	OVP2	Z	0	1
54	OVP2	Mx	-.024	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	34.347	2.33
2	MP4A	Z	19.83	2.33
3	MP4A	Mx	-.026	2.33
4	MP4A	X	34.347	4.33
5	MP4A	Z	19.83	4.33
6	MP4A	Mx	-.026	4.33
7	MP4B	X	34.347	2.33
8	MP4B	Z	19.83	2.33
9	MP4B	Mx	-.026	2.33
10	MP4B	X	34.347	4.33
11	MP4B	Z	19.83	4.33
12	MP4B	Mx	-.026	4.33
13	MP2A	X	107.154	1.33
14	MP2A	Z	61.865	1.33
15	MP2A	Mx	-.08	1.33
16	MP2A	X	107.154	5.33
17	MP2A	Z	61.865	5.33
18	MP2A	Mx	-.08	5.33
19	MP2B	X	128.701	1.33
20	MP2B	Z	74.306	1.33
21	MP2B	Mx	.038	1.33
22	MP2B	X	128.701	5.33
23	MP2B	Z	74.306	5.33
24	MP2B	Mx	.038	5.33
25	MP2A	X	107.154	1.33
26	MP2A	Z	61.865	1.33
27	MP2A	Mx	-.08	1.33
28	MP2A	X	107.154	5.33
29	MP2A	Z	61.865	5.33
30	MP2A	Mx	-.08	5.33
31	MP2B	X	128.701	1.33
32	MP2B	Z	74.306	1.33
33	MP2B	Mx	.038	1.33
34	MP2B	X	128.701	5.33
35	MP2B	Z	74.306	5.33
36	MP2B	Mx	.038	5.33
37	OVP1	X	64.459	1
38	OVP1	Z	37.215	1
39	OVP1	Mx	-.013	1
40	MP3A	X	48.327	3.58
41	MP3A	Z	27.902	3.58

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
42	MP3A	Mx	.01	3.58
43	MP3B	X	48.327	3.58
44	MP3B	Z	27.902	3.58
45	MP3B	Mx	.01	3.58
46	MP3A	X	47.58	1
47	MP3A	Z	27.47	1
48	MP3A	Mx	.009	1
49	MP3B	X	47.58	1
50	MP3B	Z	27.47	1
51	MP3B	Mx	.009	1
52	OVP2	X	64.459	1
53	OVP2	Z	37.215	1
54	OVP2	Mx	-.013	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	30.929	2.33
2	MP4A	Z	53.571	2.33
3	MP4A	Mx	-.023	2.33
4	MP4A	X	30.929	4.33
5	MP4A	Z	53.571	4.33
6	MP4A	Mx	-.023	4.33
7	MP4B	X	30.929	2.33
8	MP4B	Z	53.571	2.33
9	MP4B	Mx	-.023	2.33
10	MP4B	X	30.929	4.33
11	MP4B	Z	53.571	4.33
12	MP4B	Mx	-.023	4.33
13	MP2A	X	71.691	1.33
14	MP2A	Z	124.173	1.33
15	MP2A	Mx	-.054	1.33
16	MP2A	X	71.691	5.33
17	MP2A	Z	124.173	5.33
18	MP2A	Mx	-.054	5.33
19	MP2B	X	76.012	1.33
20	MP2B	Z	131.656	1.33
21	MP2B	Mx	-.02	1.33
22	MP2B	X	76.012	5.33
23	MP2B	Z	131.656	5.33
24	MP2B	Mx	-.02	5.33
25	MP2A	X	71.691	1.33
26	MP2A	Z	124.173	1.33
27	MP2A	Mx	-.054	1.33
28	MP2A	X	71.691	5.33
29	MP2A	Z	124.173	5.33
30	MP2A	Mx	-.054	5.33
31	MP2B	X	76.012	1.33
32	MP2B	Z	131.656	1.33
33	MP2B	Mx	-.02	1.33
34	MP2B	X	76.012	5.33
35	MP2B	Z	131.656	5.33
36	MP2B	Mx	-.02	5.33
37	OVP1	X	38.396	1
38	OVP1	Z	66.505	1
39	OVP1	Mx	.007	1
40	MP3A	X	28.737	3.58

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
41	MP3A	Z	49.774	3.58
42	MP3A	Mx	-.005	3.58
43	MP3B	X	28.737	3.58
44	MP3B	Z	49.774	3.58
45	MP3B	Mx	-.005	3.58
46	MP3A	X	28.626	1
47	MP3A	Z	49.582	1
48	MP3A	Mx	-.005	1
49	MP3B	X	28.626	1
50	MP3B	Z	49.582	1
51	MP3B	Mx	-.005	1
52	OVP2	X	38.396	1
53	OVP2	Z	66.505	1
54	OVP2	Mx	.007	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	0	2.33
2	MP4A	Z	72.957	2.33
3	MP4A	Mx	0	2.33
4	MP4A	X	0	4.33
5	MP4A	Z	72.957	4.33
6	MP4A	Mx	0	4.33
7	MP4B	X	0	2.33
8	MP4B	Z	72.957	2.33
9	MP4B	Mx	0	2.33
10	MP4B	X	0	4.33
11	MP4B	Z	72.957	4.33
12	MP4B	Mx	0	4.33
13	MP2A	X	0	1.33
14	MP2A	Z	153.209	1.33
15	MP2A	Mx	0	1.33
16	MP2A	X	0	5.33
17	MP2A	Z	153.209	5.33
18	MP2A	Mx	0	5.33
19	MP2B	X	0	1.33
20	MP2B	Z	136.969	1.33
21	MP2B	Mx	-.066	1.33
22	MP2B	X	0	5.33
23	MP2B	Z	136.969	5.33
24	MP2B	Mx	-.066	5.33
25	MP2A	X	0	1.33
26	MP2A	Z	153.209	1.33
27	MP2A	Mx	0	1.33
28	MP2A	X	0	5.33
29	MP2A	Z	153.209	5.33
30	MP2A	Mx	0	5.33
31	MP2B	X	0	1.33
32	MP2B	Z	136.969	1.33
33	MP2B	Mx	-.066	1.33
34	MP2B	X	0	5.33
35	MP2B	Z	136.969	5.33
36	MP2B	Mx	-.066	5.33
37	OVP1	X	0	1
38	OVP1	Z	66.37	1
39	OVP1	Mx	.021	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
40	MP3A	X	0	3.58
41	MP3A	Z	50.102	3.58
42	MP3A	Mx	-.016	3.58
43	MP3B	X	0	3.58
44	MP3B	Z	50.102	3.58
45	MP3B	Mx	-.016	3.58
46	MP3A	X	0	1
47	MP3A	Z	47.056	1
48	MP3A	Mx	-.015	1
49	MP3B	X	0	1
50	MP3B	Z	47.056	1
51	MP3B	Mx	-.015	1
52	OVP2	X	0	1
53	OVP2	Z	66.37	1
54	OVP2	Mx	.021	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	-30.929	2.33
2	MP4A	Z	53.571	2.33
3	MP4A	Mx	.023	2.33
4	MP4A	X	-30.929	4.33
5	MP4A	Z	53.571	4.33
6	MP4A	Mx	.023	4.33
7	MP4B	X	-30.929	2.33
8	MP4B	Z	53.571	2.33
9	MP4B	Mx	.023	2.33
10	MP4B	X	-30.929	4.33
11	MP4B	Z	53.571	4.33
12	MP4B	Mx	.023	4.33
13	MP2A	X	-71.691	1.33
14	MP2A	Z	124.173	1.33
15	MP2A	Mx	.054	1.33
16	MP2A	X	-71.691	5.33
17	MP2A	Z	124.173	5.33
18	MP2A	Mx	.054	5.33
19	MP2B	X	-59.251	1.33
20	MP2B	Z	102.626	1.33
21	MP2B	Mx	-.084	1.33
22	MP2B	X	-59.251	5.33
23	MP2B	Z	102.626	5.33
24	MP2B	Mx	-.084	5.33
25	MP2A	X	-71.691	1.33
26	MP2A	Z	124.173	1.33
27	MP2A	Mx	.054	1.33
28	MP2A	X	-71.691	5.33
29	MP2A	Z	124.173	5.33
30	MP2A	Mx	.054	5.33
31	MP2B	X	-59.251	1.33
32	MP2B	Z	102.626	1.33
33	MP2B	Mx	-.084	1.33
34	MP2B	X	-59.251	5.33
35	MP2B	Z	102.626	5.33
36	MP2B	Mx	-.084	5.33
37	OVP1	X	-26.793	1
38	OVP1	Z	46.406	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
39	OVP1	Mx	.025	1
40	MP3A	X	-20.529	3.58
41	MP3A	Z	35.558	3.58
42	MP3A	Mx	-.019	3.58
43	MP3B	X	-20.529	3.58
44	MP3B	Z	35.558	3.58
45	MP3B	Mx	-.019	3.58
46	MP3A	X	-17.274	1
47	MP3A	Z	29.919	1
48	MP3A	Mx	-.016	1
49	MP3B	X	-17.274	1
50	MP3B	Z	29.919	1
51	MP3B	Mx	-.016	1
52	OVP2	X	-26.793	1
53	OVP2	Z	46.406	1
54	OVP2	Mx	.025	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	-34.347	2.33
2	MP4A	Z	19.83	2.33
3	MP4A	Mx	.026	2.33
4	MP4A	X	-34.347	4.33
5	MP4A	Z	19.83	4.33
6	MP4A	Mx	.026	4.33
7	MP4B	X	-34.347	2.33
8	MP4B	Z	19.83	2.33
9	MP4B	Mx	.026	2.33
10	MP4B	X	-34.347	4.33
11	MP4B	Z	19.83	4.33
12	MP4B	Mx	.026	4.33
13	MP2A	X	-107.154	1.33
14	MP2A	Z	61.865	1.33
15	MP2A	Mx	.08	1.33
16	MP2A	X	-107.154	5.33
17	MP2A	Z	61.865	5.33
18	MP2A	Mx	.08	5.33
19	MP2B	X	-99.671	1.33
20	MP2B	Z	57.545	1.33
21	MP2B	Mx	-.085	1.33
22	MP2B	X	-99.671	5.33
23	MP2B	Z	57.545	5.33
24	MP2B	Mx	-.085	5.33
25	MP2A	X	-107.154	1.33
26	MP2A	Z	61.865	1.33
27	MP2A	Mx	.08	1.33
28	MP2A	X	-107.154	5.33
29	MP2A	Z	61.865	5.33
30	MP2A	Mx	.08	5.33
31	MP2B	X	-99.671	1.33
32	MP2B	Z	57.545	1.33
33	MP2B	Mx	-.085	1.33
34	MP2B	X	-99.671	5.33
35	MP2B	Z	57.545	5.33
36	MP2B	Mx	-.085	5.33
37	OVP1	X	-44.36	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
38	OVP1	Z	25.611	1
39	OVP1	Mx	.025	1
40	MP3A	X	-34.11	3.58
41	MP3A	Z	19.694	3.58
42	MP3A	Mx	-.019	3.58
43	MP3B	X	-34.11	3.58
44	MP3B	Z	19.694	3.58
45	MP3B	Mx	-.019	3.58
46	MP3A	X	-27.917	1
47	MP3A	Z	16.118	1
48	MP3A	Mx	-.016	1
49	MP3B	X	-27.917	1
50	MP3B	Z	16.118	1
51	MP3B	Mx	-.016	1
52	OVP2	X	-44.36	1
53	OVP2	Z	25.611	1
54	OVP2	Mx	.025	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	-28.562	2.33
2	MP4A	Z	0	2.33
3	MP4A	Mx	.021	2.33
4	MP4A	X	-28.562	4.33
5	MP4A	Z	0	4.33
6	MP4A	Mx	.021	4.33
7	MP4B	X	-28.562	2.33
8	MP4B	Z	0	2.33
9	MP4B	Mx	.021	2.33
10	MP4B	X	-28.562	4.33
11	MP4B	Z	0	4.33
12	MP4B	Mx	.021	4.33
13	MP2A	X	-113.905	1.33
14	MP2A	Z	0	1.33
15	MP2A	Mx	.085	1.33
16	MP2A	X	-113.905	5.33
17	MP2A	Z	0	5.33
18	MP2A	Mx	.085	5.33
19	MP2B	X	-130.144	1.33
20	MP2B	Z	0	1.33
21	MP2B	Mx	-.075	1.33
22	MP2B	X	-130.144	5.33
23	MP2B	Z	0	5.33
24	MP2B	Mx	-.075	5.33
25	MP2A	X	-113.905	1.33
26	MP2A	Z	0	1.33
27	MP2A	Mx	.085	1.33
28	MP2A	X	-113.905	5.33
29	MP2A	Z	0	5.33
30	MP2A	Mx	.085	5.33
31	MP2B	X	-130.144	1.33
32	MP2B	Z	0	1.33
33	MP2B	Mx	-.075	1.33
34	MP2B	X	-130.144	5.33
35	MP2B	Z	0	5.33
36	MP2B	Mx	-.075	5.33

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
37	OVP1	X	-61.645	1
38	OVP1	Z	0	1
39	OVP1	Mx	.024	1
40	MP3A	X	-46.76	3.58
41	MP3A	Z	0	3.58
42	MP3A	Mx	-.018	3.58
43	MP3B	X	-46.76	3.58
44	MP3B	Z	0	3.58
45	MP3B	Mx	-.018	3.58
46	MP3A	X	-42.433	1
47	MP3A	Z	0	1
48	MP3A	Mx	-.016	1
49	MP3B	X	-42.433	1
50	MP3B	Z	0	1
51	MP3B	Mx	-.016	1
52	OVP2	X	-61.645	1
53	OVP2	Z	0	1
54	OVP2	Mx	.024	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	-34.347	2.33
2	MP4A	Z	-19.83	2.33
3	MP4A	Mx	.026	2.33
4	MP4A	X	-34.347	4.33
5	MP4A	Z	-19.83	4.33
6	MP4A	Mx	.026	4.33
7	MP4B	X	-34.347	2.33
8	MP4B	Z	-19.83	2.33
9	MP4B	Mx	.026	2.33
10	MP4B	X	-34.347	4.33
11	MP4B	Z	-19.83	4.33
12	MP4B	Mx	.026	4.33
13	MP2A	X	-107.154	1.33
14	MP2A	Z	-61.865	1.33
15	MP2A	Mx	.08	1.33
16	MP2A	X	-107.154	5.33
17	MP2A	Z	-61.865	5.33
18	MP2A	Mx	.08	5.33
19	MP2B	X	-128.701	1.33
20	MP2B	Z	-74.306	1.33
21	MP2B	Mx	-.038	1.33
22	MP2B	X	-128.701	5.33
23	MP2B	Z	-74.306	5.33
24	MP2B	Mx	-.038	5.33
25	MP2A	X	-107.154	1.33
26	MP2A	Z	-61.865	1.33
27	MP2A	Mx	.08	1.33
28	MP2A	X	-107.154	5.33
29	MP2A	Z	-61.865	5.33
30	MP2A	Mx	.08	5.33
31	MP2B	X	-128.701	1.33
32	MP2B	Z	-74.306	1.33
33	MP2B	Mx	-.038	1.33
34	MP2B	X	-128.701	5.33
35	MP2B	Z	-74.306	5.33

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
36	MP2B	Mx	-.038	5.33
37	OVP1	X	-64.459	1
38	OVP1	Z	-37.215	1
39	OVP1	Mx	.013	1
40	MP3A	X	-48.327	3.58
41	MP3A	Z	-27.902	3.58
42	MP3A	Mx	-.01	3.58
43	MP3B	X	-48.327	3.58
44	MP3B	Z	-27.902	3.58
45	MP3B	Mx	-.01	3.58
46	MP3A	X	-47.58	1
47	MP3A	Z	-27.47	1
48	MP3A	Mx	-.009	1
49	MP3B	X	-47.58	1
50	MP3B	Z	-27.47	1
51	MP3B	Mx	-.009	1
52	OVP2	X	-64.459	1
53	OVP2	Z	-37.215	1
54	OVP2	Mx	.013	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	-30.929	2.33
2	MP4A	Z	-53.571	2.33
3	MP4A	Mx	.023	2.33
4	MP4A	X	-30.929	4.33
5	MP4A	Z	-53.571	4.33
6	MP4A	Mx	.023	4.33
7	MP4B	X	-30.929	2.33
8	MP4B	Z	-53.571	2.33
9	MP4B	Mx	.023	2.33
10	MP4B	X	-30.929	4.33
11	MP4B	Z	-53.571	4.33
12	MP4B	Mx	.023	4.33
13	MP2A	X	-71.691	1.33
14	MP2A	Z	-124.173	1.33
15	MP2A	Mx	.054	1.33
16	MP2A	X	-71.691	5.33
17	MP2A	Z	-124.173	5.33
18	MP2A	Mx	.054	5.33
19	MP2B	X	-76.012	1.33
20	MP2B	Z	-131.656	1.33
21	MP2B	Mx	.02	1.33
22	MP2B	X	-76.012	5.33
23	MP2B	Z	-131.656	5.33
24	MP2B	Mx	.02	5.33
25	MP2A	X	-71.691	1.33
26	MP2A	Z	-124.173	1.33
27	MP2A	Mx	.054	1.33
28	MP2A	X	-71.691	5.33
29	MP2A	Z	-124.173	5.33
30	MP2A	Mx	.054	5.33
31	MP2B	X	-76.012	1.33
32	MP2B	Z	-131.656	1.33
33	MP2B	Mx	.02	1.33
34	MP2B	X	-76.012	5.33

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
35	MP2B	Z	-131.656	5.33
36	MP2B	Mx	.02	5.33
37	OVP1	X	-38.396	1
38	OVP1	Z	-66.505	1
39	OVP1	Mx	-.007	1
40	MP3A	X	-28.737	3.58
41	MP3A	Z	-49.774	3.58
42	MP3A	Mx	.005	3.58
43	MP3B	X	-28.737	3.58
44	MP3B	Z	-49.774	3.58
45	MP3B	Mx	.005	3.58
46	MP3A	X	-28.626	1
47	MP3A	Z	-49.582	1
48	MP3A	Mx	.005	1
49	MP3B	X	-28.626	1
50	MP3B	Z	-49.582	1
51	MP3B	Mx	.005	1
52	OVP2	X	-38.396	1
53	OVP2	Z	-66.505	1
54	OVP2	Mx	-.007	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	0	2.33
2	MP4A	Z	-14.764	2.33
3	MP4A	Mx	0	2.33
4	MP4A	X	0	4.33
5	MP4A	Z	-14.764	4.33
6	MP4A	Mx	0	4.33
7	MP4B	X	0	2.33
8	MP4B	Z	-14.764	2.33
9	MP4B	Mx	0	2.33
10	MP4B	X	0	4.33
11	MP4B	Z	-14.764	4.33
12	MP4B	Mx	0	4.33
13	MP2A	X	0	1.33
14	MP2A	Z	-29.946	1.33
15	MP2A	Mx	0	1.33
16	MP2A	X	0	5.33
17	MP2A	Z	-29.946	5.33
18	MP2A	Mx	0	5.33
19	MP2B	X	0	1.33
20	MP2B	Z	-26.93	1.33
21	MP2B	Mx	.013	1.33
22	MP2B	X	0	5.33
23	MP2B	Z	-26.93	5.33
24	MP2B	Mx	.013	5.33
25	MP2A	X	0	1.33
26	MP2A	Z	-29.946	1.33
27	MP2A	Mx	0	1.33
28	MP2A	X	0	5.33
29	MP2A	Z	-29.946	5.33
30	MP2A	Mx	0	5.33
31	MP2B	X	0	1.33
32	MP2B	Z	-26.93	1.33
33	MP2B	Mx	.013	1.33

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
34	MP2B	X	0	5.33
35	MP2B	Z	-26.93	5.33
36	MP2B	Mx	.013	5.33
37	OVP1	X	0	1
38	OVP1	Z	-14.046	1
39	OVP1	Mx	-.005	1
40	MP3A	X	0	3.58
41	MP3A	Z	-10.864	3.58
42	MP3A	Mx	.003	3.58
43	MP3B	X	0	3.58
44	MP3B	Z	-10.864	3.58
45	MP3B	Mx	.003	3.58
46	MP3A	X	0	1
47	MP3A	Z	-10.268	1
48	MP3A	Mx	.003	1
49	MP3B	X	0	1
50	MP3B	Z	-10.268	1
51	MP3B	Mx	.003	1
52	OVP2	X	0	1
53	OVP2	Z	-14.046	1
54	OVP2	Mx	-.005	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	6.321	2.33
2	MP4A	Z	-10.949	2.33
3	MP4A	Mx	-.005	2.33
4	MP4A	X	6.321	4.33
5	MP4A	Z	-10.949	4.33
6	MP4A	Mx	-.005	4.33
7	MP4B	X	6.321	2.33
8	MP4B	Z	-10.949	2.33
9	MP4B	Mx	-.005	2.33
10	MP4B	X	6.321	4.33
11	MP4B	Z	-10.949	4.33
12	MP4B	Mx	-.005	4.33
13	MP2A	X	14.06	1.33
14	MP2A	Z	-24.353	1.33
15	MP2A	Mx	-.011	1.33
16	MP2A	X	14.06	5.33
17	MP2A	Z	-24.353	5.33
18	MP2A	Mx	-.011	5.33
19	MP2B	X	11.75	1.33
20	MP2B	Z	-20.352	1.33
21	MP2B	Mx	.017	1.33
22	MP2B	X	11.75	5.33
23	MP2B	Z	-20.352	5.33
24	MP2B	Mx	.017	5.33
25	MP2A	X	14.06	1.33
26	MP2A	Z	-24.353	1.33
27	MP2A	Mx	-.011	1.33
28	MP2A	X	14.06	5.33
29	MP2A	Z	-24.353	5.33
30	MP2A	Mx	-.011	5.33
31	MP2B	X	11.75	1.33
32	MP2B	Z	-20.352	1.33

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
33	MP2B	Mx	.017	1.33
34	MP2B	X	11.75	5.33
35	MP2B	Z	-20.352	5.33
36	MP2B	Mx	.017	5.33
37	OVP1	X	5.798	1
38	OVP1	Z	-10.042	1
39	OVP1	Mx	-.005	1
40	MP3A	X	4.541	3.58
41	MP3A	Z	-7.866	3.58
42	MP3A	Mx	.004	3.58
43	MP3B	X	4.541	3.58
44	MP3B	Z	-7.866	3.58
45	MP3B	Mx	.004	3.58
46	MP3A	X	3.905	1
47	MP3A	Z	-6.764	1
48	MP3A	Mx	.004	1
49	MP3B	X	3.905	1
50	MP3B	Z	-6.764	1
51	MP3B	Mx	.004	1
52	OVP2	X	5.798	1
53	OVP2	Z	-10.042	1
54	OVP2	Mx	-.005	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	7.274	2.33
2	MP4A	Z	-4.2	2.33
3	MP4A	Mx	-.005	2.33
4	MP4A	X	7.274	4.33
5	MP4A	Z	-4.2	4.33
6	MP4A	Mx	-.005	4.33
7	MP4B	X	7.274	2.33
8	MP4B	Z	-4.2	2.33
9	MP4B	Mx	-.005	2.33
10	MP4B	X	7.274	4.33
11	MP4B	Z	-4.2	4.33
12	MP4B	Mx	-.005	4.33
13	MP2A	X	21.193	1.33
14	MP2A	Z	-12.236	1.33
15	MP2A	Mx	-.016	1.33
16	MP2A	X	21.193	5.33
17	MP2A	Z	-12.236	5.33
18	MP2A	Mx	-.016	5.33
19	MP2B	X	19.803	1.33
20	MP2B	Z	-11.433	1.33
21	MP2B	Mx	.017	1.33
22	MP2B	X	19.803	5.33
23	MP2B	Z	-11.433	5.33
24	MP2B	Mx	.017	5.33
25	MP2A	X	21.193	1.33
26	MP2A	Z	-12.236	1.33
27	MP2A	Mx	-.016	1.33
28	MP2A	X	21.193	5.33
29	MP2A	Z	-12.236	5.33
30	MP2A	Mx	-.016	5.33
31	MP2B	X	19.803	1.33

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
32	MP2B	Z	-11.433	1.33
33	MP2B	Mx	.017	1.33
34	MP2B	X	19.803	5.33
35	MP2B	Z	-11.433	5.33
36	MP2B	Mx	.017	5.33
37	OVP1	X	9.649	1
38	OVP1	Z	-5.571	1
39	OVP1	Mx	-.005	1
40	MP3A	X	7.581	3.58
41	MP3A	Z	-4.377	3.58
42	MP3A	Mx	.004	3.58
43	MP3B	X	7.581	3.58
44	MP3B	Z	-4.377	3.58
45	MP3B	Mx	.004	3.58
46	MP3A	X	6.371	1
47	MP3A	Z	-3.678	1
48	MP3A	Mx	.004	1
49	MP3B	X	6.371	1
50	MP3B	Z	-3.678	1
51	MP3B	Mx	.004	1
52	OVP2	X	9.649	1
53	OVP2	Z	-5.571	1
54	OVP2	Mx	-.005	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	6.278	2.33
2	MP4A	Z	0	2.33
3	MP4A	Mx	-.005	2.33
4	MP4A	X	6.278	4.33
5	MP4A	Z	0	4.33
6	MP4A	Mx	-.005	4.33
7	MP4B	X	6.278	2.33
8	MP4B	Z	0	2.33
9	MP4B	Mx	-.005	2.33
10	MP4B	X	6.278	4.33
11	MP4B	Z	0	4.33
12	MP4B	Mx	-.005	4.33
13	MP2A	X	22.646	1.33
14	MP2A	Z	0	1.33
15	MP2A	Mx	-.017	1.33
16	MP2A	X	22.646	5.33
17	MP2A	Z	0	5.33
18	MP2A	Mx	-.017	5.33
19	MP2B	X	25.662	1.33
20	MP2B	Z	0	1.33
21	MP2B	Mx	.015	1.33
22	MP2B	X	25.662	5.33
23	MP2B	Z	0	5.33
24	MP2B	Mx	.015	5.33
25	MP2A	X	22.646	1.33
26	MP2A	Z	0	1.33
27	MP2A	Mx	-.017	1.33
28	MP2A	X	22.646	5.33
29	MP2A	Z	0	5.33
30	MP2A	Mx	-.017	5.33

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
31	MP2B	X	25.662	1.33
32	MP2B	Z	0	1.33
33	MP2B	Mx	.015	1.33
34	MP2B	X	25.662	5.33
35	MP2B	Z	0	5.33
36	MP2B	Mx	.015	5.33
37	OVP1	X	13.14	1
38	OVP1	Z	0	1
39	OVP1	Mx	-.005	1
40	MP3A	X	10.205	3.58
41	MP3A	Z	0	3.58
42	MP3A	Mx	.004	3.58
43	MP3B	X	10.205	3.58
44	MP3B	Z	0	3.58
45	MP3B	Mx	.004	3.58
46	MP3A	X	9.36	1
47	MP3A	Z	0	1
48	MP3A	Mx	.004	1
49	MP3B	X	9.36	1
50	MP3B	Z	0	1
51	MP3B	Mx	.004	1
52	OVP2	X	13.14	1
53	OVP2	Z	0	1
54	OVP2	Mx	-.005	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	7.274	2.33
2	MP4A	Z	4.2	2.33
3	MP4A	Mx	-.005	2.33
4	MP4A	X	7.274	4.33
5	MP4A	Z	4.2	4.33
6	MP4A	Mx	-.005	4.33
7	MP4B	X	7.274	2.33
8	MP4B	Z	4.2	2.33
9	MP4B	Mx	-.005	2.33
10	MP4B	X	7.274	4.33
11	MP4B	Z	4.2	4.33
12	MP4B	Mx	-.005	4.33
13	MP2A	X	21.193	1.33
14	MP2A	Z	12.236	1.33
15	MP2A	Mx	-.016	1.33
16	MP2A	X	21.193	5.33
17	MP2A	Z	12.236	5.33
18	MP2A	Mx	-.016	5.33
19	MP2B	X	25.194	1.33
20	MP2B	Z	14.546	1.33
21	MP2B	Mx	.007	1.33
22	MP2B	X	25.194	5.33
23	MP2B	Z	14.546	5.33
24	MP2B	Mx	.007	5.33
25	MP2A	X	21.193	1.33
26	MP2A	Z	12.236	1.33
27	MP2A	Mx	-.016	1.33
28	MP2A	X	21.193	5.33
29	MP2A	Z	12.236	5.33

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
30	MP2A	Mx	-.016	5.33
31	MP2B	X	25.194	1.33
32	MP2B	Z	14.546	1.33
33	MP2B	Mx	.007	1.33
34	MP2B	X	25.194	5.33
35	MP2B	Z	14.546	5.33
36	MP2B	Mx	.007	5.33
37	OVP1	X	13.503	1
38	OVP1	Z	7.796	1
39	OVP1	Mx	-.003	1
40	MP3A	X	10.38	3.58
41	MP3A	Z	5.993	3.58
42	MP3A	Mx	.002	3.58
43	MP3B	X	10.38	3.58
44	MP3B	Z	5.993	3.58
45	MP3B	Mx	.002	3.58
46	MP3A	X	10.235	1
47	MP3A	Z	5.909	1
48	MP3A	Mx	.002	1
49	MP3B	X	10.235	1
50	MP3B	Z	5.909	1
51	MP3B	Mx	.002	1
52	OVP2	X	13.503	1
53	OVP2	Z	7.796	1
54	OVP2	Mx	-.003	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	6.321	2.33
2	MP4A	Z	10.949	2.33
3	MP4A	Mx	-.005	2.33
4	MP4A	X	6.321	4.33
5	MP4A	Z	10.949	4.33
6	MP4A	Mx	-.005	4.33
7	MP4B	X	6.321	2.33
8	MP4B	Z	10.949	2.33
9	MP4B	Mx	-.005	2.33
10	MP4B	X	6.321	4.33
11	MP4B	Z	10.949	4.33
12	MP4B	Mx	-.005	4.33
13	MP2A	X	14.06	1.33
14	MP2A	Z	24.353	1.33
15	MP2A	Mx	-.011	1.33
16	MP2A	X	14.06	5.33
17	MP2A	Z	24.353	5.33
18	MP2A	Mx	-.011	5.33
19	MP2B	X	14.863	1.33
20	MP2B	Z	25.743	1.33
21	MP2B	Mx	-.004	1.33
22	MP2B	X	14.863	5.33
23	MP2B	Z	25.743	5.33
24	MP2B	Mx	-.004	5.33
25	MP2A	X	14.06	1.33
26	MP2A	Z	24.353	1.33
27	MP2A	Mx	-.011	1.33
28	MP2A	X	14.06	5.33

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
29	MP2A	Z	24.353	5.33
30	MP2A	Mx	-.011	5.33
31	MP2B	X	14.863	1.33
32	MP2B	Z	25.743	1.33
33	MP2B	Mx	-.004	1.33
34	MP2B	X	14.863	5.33
35	MP2B	Z	25.743	5.33
36	MP2B	Mx	-.004	5.33
37	OVP1	X	8.022	1
38	OVP1	Z	13.895	1
39	OVP1	Mx	.001	1
40	MP3A	X	6.158	3.58
41	MP3A	Z	10.665	3.58
42	MP3A	Mx	-.001	3.58
43	MP3B	X	6.158	3.58
44	MP3B	Z	10.665	3.58
45	MP3B	Mx	-.001	3.58
46	MP3A	X	6.136	1
47	MP3A	Z	10.628	1
48	MP3A	Mx	-.001	1
49	MP3B	X	6.136	1
50	MP3B	Z	10.628	1
51	MP3B	Mx	-.001	1
52	OVP2	X	8.022	1
53	OVP2	Z	13.895	1
54	OVP2	Mx	.001	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	0	2.33
2	MP4A	Z	14.764	2.33
3	MP4A	Mx	0	2.33
4	MP4A	X	0	4.33
5	MP4A	Z	14.764	4.33
6	MP4A	Mx	0	4.33
7	MP4B	X	0	2.33
8	MP4B	Z	14.764	2.33
9	MP4B	Mx	0	2.33
10	MP4B	X	0	4.33
11	MP4B	Z	14.764	4.33
12	MP4B	Mx	0	4.33
13	MP2A	X	0	1.33
14	MP2A	Z	29.946	1.33
15	MP2A	Mx	0	1.33
16	MP2A	X	0	5.33
17	MP2A	Z	29.946	5.33
18	MP2A	Mx	0	5.33
19	MP2B	X	0	1.33
20	MP2B	Z	26.93	1.33
21	MP2B	Mx	-.013	1.33
22	MP2B	X	0	5.33
23	MP2B	Z	26.93	5.33
24	MP2B	Mx	-.013	5.33
25	MP2A	X	0	1.33
26	MP2A	Z	29.946	1.33
27	MP2A	Mx	0	1.33

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
28	MP2A	X	0	5.33
29	MP2A	Z	29.946	5.33
30	MP2A	Mx	0	5.33
31	MP2B	X	0	1.33
32	MP2B	Z	26.93	1.33
33	MP2B	Mx	-.013	1.33
34	MP2B	X	0	5.33
35	MP2B	Z	26.93	5.33
36	MP2B	Mx	-.013	5.33
37	OVP1	X	0	1
38	OVP1	Z	14.046	1
39	OVP1	Mx	.005	1
40	MP3A	X	0	3.58
41	MP3A	Z	10.864	3.58
42	MP3A	Mx	-.003	3.58
43	MP3B	X	0	3.58
44	MP3B	Z	10.864	3.58
45	MP3B	Mx	-.003	3.58
46	MP3A	X	0	1
47	MP3A	Z	10.268	1
48	MP3A	Mx	-.003	1
49	MP3B	X	0	1
50	MP3B	Z	10.268	1
51	MP3B	Mx	-.003	1
52	OVP2	X	0	1
53	OVP2	Z	14.046	1
54	OVP2	Mx	.005	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	-6.321	2.33
2	MP4A	Z	10.949	2.33
3	MP4A	Mx	.005	2.33
4	MP4A	X	-6.321	4.33
5	MP4A	Z	10.949	4.33
6	MP4A	Mx	.005	4.33
7	MP4B	X	-6.321	2.33
8	MP4B	Z	10.949	2.33
9	MP4B	Mx	.005	2.33
10	MP4B	X	-6.321	4.33
11	MP4B	Z	10.949	4.33
12	MP4B	Mx	.005	4.33
13	MP2A	X	-14.06	1.33
14	MP2A	Z	24.353	1.33
15	MP2A	Mx	.011	1.33
16	MP2A	X	-14.06	5.33
17	MP2A	Z	24.353	5.33
18	MP2A	Mx	.011	5.33
19	MP2B	X	-11.75	1.33
20	MP2B	Z	20.352	1.33
21	MP2B	Mx	-.017	1.33
22	MP2B	X	-11.75	5.33
23	MP2B	Z	20.352	5.33
24	MP2B	Mx	-.017	5.33
25	MP2A	X	-14.06	1.33
26	MP2A	Z	24.353	1.33

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
27	MP2A	Mx	.011	1.33
28	MP2A	X	-14.06	5.33
29	MP2A	Z	24.353	5.33
30	MP2A	Mx	.011	5.33
31	MP2B	X	-11.75	1.33
32	MP2B	Z	20.352	1.33
33	MP2B	Mx	-.017	1.33
34	MP2B	X	-11.75	5.33
35	MP2B	Z	20.352	5.33
36	MP2B	Mx	-.017	5.33
37	OVP1	X	-5.798	1
38	OVP1	Z	10.042	1
39	OVP1	Mx	.005	1
40	MP3A	X	-4.541	3.58
41	MP3A	Z	7.866	3.58
42	MP3A	Mx	-.004	3.58
43	MP3B	X	-4.541	3.58
44	MP3B	Z	7.866	3.58
45	MP3B	Mx	-.004	3.58
46	MP3A	X	-3.905	1
47	MP3A	Z	6.764	1
48	MP3A	Mx	-.004	1
49	MP3B	X	-3.905	1
50	MP3B	Z	6.764	1
51	MP3B	Mx	-.004	1
52	OVP2	X	-5.798	1
53	OVP2	Z	10.042	1
54	OVP2	Mx	.005	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	-7.274	2.33
2	MP4A	Z	4.2	2.33
3	MP4A	Mx	.005	2.33
4	MP4A	X	-7.274	4.33
5	MP4A	Z	4.2	4.33
6	MP4A	Mx	.005	4.33
7	MP4B	X	-7.274	2.33
8	MP4B	Z	4.2	2.33
9	MP4B	Mx	.005	2.33
10	MP4B	X	-7.274	4.33
11	MP4B	Z	4.2	4.33
12	MP4B	Mx	.005	4.33
13	MP2A	X	-21.193	1.33
14	MP2A	Z	12.236	1.33
15	MP2A	Mx	.016	1.33
16	MP2A	X	-21.193	5.33
17	MP2A	Z	12.236	5.33
18	MP2A	Mx	.016	5.33
19	MP2B	X	-19.803	1.33
20	MP2B	Z	11.433	1.33
21	MP2B	Mx	-.017	1.33
22	MP2B	X	-19.803	5.33
23	MP2B	Z	11.433	5.33
24	MP2B	Mx	-.017	5.33
25	MP2A	X	-21.193	1.33

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
26	MP2A	Z	12.236	1.33
27	MP2A	Mx	.016	1.33
28	MP2A	X	-21.193	5.33
29	MP2A	Z	12.236	5.33
30	MP2A	Mx	.016	5.33
31	MP2B	X	-19.803	1.33
32	MP2B	Z	11.433	1.33
33	MP2B	Mx	-.017	1.33
34	MP2B	X	-19.803	5.33
35	MP2B	Z	11.433	5.33
36	MP2B	Mx	-.017	5.33
37	OVP1	X	-9.649	1
38	OVP1	Z	5.571	1
39	OVP1	Mx	.005	1
40	MP3A	X	-7.581	3.58
41	MP3A	Z	4.377	3.58
42	MP3A	Mx	-.004	3.58
43	MP3B	X	-7.581	3.58
44	MP3B	Z	4.377	3.58
45	MP3B	Mx	-.004	3.58
46	MP3A	X	-6.371	1
47	MP3A	Z	3.678	1
48	MP3A	Mx	-.004	1
49	MP3B	X	-6.371	1
50	MP3B	Z	3.678	1
51	MP3B	Mx	-.004	1
52	OVP2	X	-9.649	1
53	OVP2	Z	5.571	1
54	OVP2	Mx	.005	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	-6.278	2.33
2	MP4A	Z	0	2.33
3	MP4A	Mx	.005	2.33
4	MP4A	X	-6.278	4.33
5	MP4A	Z	0	4.33
6	MP4A	Mx	.005	4.33
7	MP4B	X	-6.278	2.33
8	MP4B	Z	0	2.33
9	MP4B	Mx	.005	2.33
10	MP4B	X	-6.278	4.33
11	MP4B	Z	0	4.33
12	MP4B	Mx	.005	4.33
13	MP2A	X	-22.646	1.33
14	MP2A	Z	0	1.33
15	MP2A	Mx	.017	1.33
16	MP2A	X	-22.646	5.33
17	MP2A	Z	0	5.33
18	MP2A	Mx	.017	5.33
19	MP2B	X	-25.662	1.33
20	MP2B	Z	0	1.33
21	MP2B	Mx	-.015	1.33
22	MP2B	X	-25.662	5.33
23	MP2B	Z	0	5.33
24	MP2B	Mx	-.015	5.33

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
25	MP2A	X	-22.646	1.33
26	MP2A	Z	0	1.33
27	MP2A	Mx	.017	1.33
28	MP2A	X	-22.646	5.33
29	MP2A	Z	0	5.33
30	MP2A	Mx	.017	5.33
31	MP2B	X	-25.662	1.33
32	MP2B	Z	0	1.33
33	MP2B	Mx	-.015	1.33
34	MP2B	X	-25.662	5.33
35	MP2B	Z	0	5.33
36	MP2B	Mx	-.015	5.33
37	OVP1	X	-13.14	1
38	OVP1	Z	0	1
39	OVP1	Mx	.005	1
40	MP3A	X	-10.205	3.58
41	MP3A	Z	0	3.58
42	MP3A	Mx	-.004	3.58
43	MP3B	X	-10.205	3.58
44	MP3B	Z	0	3.58
45	MP3B	Mx	-.004	3.58
46	MP3A	X	-9.36	1
47	MP3A	Z	0	1
48	MP3A	Mx	-.004	1
49	MP3B	X	-9.36	1
50	MP3B	Z	0	1
51	MP3B	Mx	-.004	1
52	OVP2	X	-13.14	1
53	OVP2	Z	0	1
54	OVP2	Mx	.005	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	-7.274	2.33
2	MP4A	Z	-4.2	2.33
3	MP4A	Mx	.005	2.33
4	MP4A	X	-7.274	4.33
5	MP4A	Z	-4.2	4.33
6	MP4A	Mx	.005	4.33
7	MP4B	X	-7.274	2.33
8	MP4B	Z	-4.2	2.33
9	MP4B	Mx	.005	2.33
10	MP4B	X	-7.274	4.33
11	MP4B	Z	-4.2	4.33
12	MP4B	Mx	.005	4.33
13	MP2A	X	-21.193	1.33
14	MP2A	Z	-12.236	1.33
15	MP2A	Mx	.016	1.33
16	MP2A	X	-21.193	5.33
17	MP2A	Z	-12.236	5.33
18	MP2A	Mx	.016	5.33
19	MP2B	X	-25.194	1.33
20	MP2B	Z	-14.546	1.33
21	MP2B	Mx	-.007	1.33
22	MP2B	X	-25.194	5.33
23	MP2B	Z	-14.546	5.33

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
24	MP2B	Mx	-.007	5.33
25	MP2A	X	-21.193	1.33
26	MP2A	Z	-12.236	1.33
27	MP2A	Mx	.016	1.33
28	MP2A	X	-21.193	5.33
29	MP2A	Z	-12.236	5.33
30	MP2A	Mx	.016	5.33
31	MP2B	X	-25.194	1.33
32	MP2B	Z	-14.546	1.33
33	MP2B	Mx	-.007	1.33
34	MP2B	X	-25.194	5.33
35	MP2B	Z	-14.546	5.33
36	MP2B	Mx	-.007	5.33
37	OVP1	X	-13.503	1
38	OVP1	Z	-7.796	1
39	OVP1	Mx	.003	1
40	MP3A	X	-10.38	3.58
41	MP3A	Z	-5.993	3.58
42	MP3A	Mx	-.002	3.58
43	MP3B	X	-10.38	3.58
44	MP3B	Z	-5.993	3.58
45	MP3B	Mx	-.002	3.58
46	MP3A	X	-10.235	1
47	MP3A	Z	-5.909	1
48	MP3A	Mx	-.002	1
49	MP3B	X	-10.235	1
50	MP3B	Z	-5.909	1
51	MP3B	Mx	-.002	1
52	OVP2	X	-13.503	1
53	OVP2	Z	-7.796	1
54	OVP2	Mx	.003	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	-6.321	2.33
2	MP4A	Z	-10.949	2.33
3	MP4A	Mx	.005	2.33
4	MP4A	X	-6.321	4.33
5	MP4A	Z	-10.949	4.33
6	MP4A	Mx	.005	4.33
7	MP4B	X	-6.321	2.33
8	MP4B	Z	-10.949	2.33
9	MP4B	Mx	.005	2.33
10	MP4B	X	-6.321	4.33
11	MP4B	Z	-10.949	4.33
12	MP4B	Mx	.005	4.33
13	MP2A	X	-14.06	1.33
14	MP2A	Z	-24.353	1.33
15	MP2A	Mx	.011	1.33
16	MP2A	X	-14.06	5.33
17	MP2A	Z	-24.353	5.33
18	MP2A	Mx	.011	5.33
19	MP2B	X	-14.863	1.33
20	MP2B	Z	-25.743	1.33
21	MP2B	Mx	.004	1.33
22	MP2B	X	-14.863	5.33

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
23	MP2B	Z	-25.743	5.33
24	MP2B	Mx	.004	5.33
25	MP2A	X	-14.06	1.33
26	MP2A	Z	-24.353	1.33
27	MP2A	Mx	.011	1.33
28	MP2A	X	-14.06	5.33
29	MP2A	Z	-24.353	5.33
30	MP2A	Mx	.011	5.33
31	MP2B	X	-14.863	1.33
32	MP2B	Z	-25.743	1.33
33	MP2B	Mx	.004	1.33
34	MP2B	X	-14.863	5.33
35	MP2B	Z	-25.743	5.33
36	MP2B	Mx	.004	5.33
37	OVP1	X	-8.022	1
38	OVP1	Z	-13.895	1
39	OVP1	Mx	-.001	1
40	MP3A	X	-6.158	3.58
41	MP3A	Z	-10.665	3.58
42	MP3A	Mx	.001	3.58
43	MP3B	X	-6.158	3.58
44	MP3B	Z	-10.665	3.58
45	MP3B	Mx	.001	3.58
46	MP3A	X	-6.136	1
47	MP3A	Z	-10.628	1
48	MP3A	Mx	.001	1
49	MP3B	X	-6.136	1
50	MP3B	Z	-10.628	1
51	MP3B	Mx	.001	1
52	OVP2	X	-8.022	1
53	OVP2	Z	-13.895	1
54	OVP2	Mx	-.001	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	0	2.33
2	MP4A	Z	-4.716	2.33
3	MP4A	Mx	0	2.33
4	MP4A	X	0	4.33
5	MP4A	Z	-4.716	4.33
6	MP4A	Mx	0	4.33
7	MP4B	X	0	2.33
8	MP4B	Z	-4.716	2.33
9	MP4B	Mx	0	2.33
10	MP4B	X	0	4.33
11	MP4B	Z	-4.716	4.33
12	MP4B	Mx	0	4.33
13	MP2A	X	0	1.33
14	MP2A	Z	-9.903	1.33
15	MP2A	Mx	0	1.33
16	MP2A	X	0	5.33
17	MP2A	Z	-9.903	5.33
18	MP2A	Mx	0	5.33
19	MP2B	X	0	1.33
20	MP2B	Z	-8.853	1.33
21	MP2B	Mx	.004	1.33

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
22	MP2B	X	0	5.33
23	MP2B	Z	-8.853	5.33
24	MP2B	Mx	.004	5.33
25	MP2A	X	0	1.33
26	MP2A	Z	-9.903	1.33
27	MP2A	Mx	0	1.33
28	MP2A	X	0	5.33
29	MP2A	Z	-9.903	5.33
30	MP2A	Mx	0	5.33
31	MP2B	X	0	1.33
32	MP2B	Z	-8.853	1.33
33	MP2B	Mx	.004	1.33
34	MP2B	X	0	5.33
35	MP2B	Z	-8.853	5.33
36	MP2B	Mx	.004	5.33
37	OVP1	X	0	1
38	OVP1	Z	-4.29	1
39	OVP1	Mx	-.001	1
40	MP3A	X	0	3.58
41	MP3A	Z	-3.238	3.58
42	MP3A	Mx	.001	3.58
43	MP3B	X	0	3.58
44	MP3B	Z	-3.238	3.58
45	MP3B	Mx	.001	3.58
46	MP3A	X	0	1
47	MP3A	Z	-3.042	1
48	MP3A	Mx	.000978	1
49	MP3B	X	0	1
50	MP3B	Z	-3.042	1
51	MP3B	Mx	.000978	1
52	OVP2	X	0	1
53	OVP2	Z	-4.29	1
54	OVP2	Mx	-.001	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	1.999	2.33
2	MP4A	Z	-3.463	2.33
3	MP4A	Mx	-.001	2.33
4	MP4A	X	1.999	4.33
5	MP4A	Z	-3.463	4.33
6	MP4A	Mx	-.001	4.33
7	MP4B	X	1.999	2.33
8	MP4B	Z	-3.463	2.33
9	MP4B	Mx	-.001	2.33
10	MP4B	X	1.999	4.33
11	MP4B	Z	-3.463	4.33
12	MP4B	Mx	-.001	4.33
13	MP2A	X	4.634	1.33
14	MP2A	Z	-8.026	1.33
15	MP2A	Mx	-.003	1.33
16	MP2A	X	4.634	5.33
17	MP2A	Z	-8.026	5.33
18	MP2A	Mx	-.003	5.33
19	MP2B	X	3.83	1.33
20	MP2B	Z	-6.633	1.33

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
21	MP2B	Mx	.005	1.33
22	MP2B	X	3.83	5.33
23	MP2B	Z	-6.633	5.33
24	MP2B	Mx	.005	5.33
25	MP2A	X	4.634	1.33
26	MP2A	Z	-8.026	1.33
27	MP2A	Mx	-.003	1.33
28	MP2A	X	4.634	5.33
29	MP2A	Z	-8.026	5.33
30	MP2A	Mx	-.003	5.33
31	MP2B	X	3.83	1.33
32	MP2B	Z	-6.633	1.33
33	MP2B	Mx	.005	1.33
34	MP2B	X	3.83	5.33
35	MP2B	Z	-6.633	5.33
36	MP2B	Mx	.005	5.33
37	OVP1	X	1.732	1
38	OVP1	Z	-3	1
39	OVP1	Mx	-.002	1
40	MP3A	X	1.327	3.58
41	MP3A	Z	-2.298	3.58
42	MP3A	Mx	.001	3.58
43	MP3B	X	1.327	3.58
44	MP3B	Z	-2.298	3.58
45	MP3B	Mx	.001	3.58
46	MP3A	X	1.117	1
47	MP3A	Z	-1.934	1
48	MP3A	Mx	.001	1
49	MP3B	X	1.117	1
50	MP3B	Z	-1.934	1
51	MP3B	Mx	.001	1
52	OVP2	X	1.732	1
53	OVP2	Z	-3	1
54	OVP2	Mx	-.002	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	2.22	2.33
2	MP4A	Z	-1.282	2.33
3	MP4A	Mx	-.002	2.33
4	MP4A	X	2.22	4.33
5	MP4A	Z	-1.282	4.33
6	MP4A	Mx	-.002	4.33
7	MP4B	X	2.22	2.33
8	MP4B	Z	-1.282	2.33
9	MP4B	Mx	-.002	2.33
10	MP4B	X	2.22	4.33
11	MP4B	Z	-1.282	4.33
12	MP4B	Mx	-.002	4.33
13	MP2A	X	6.926	1.33
14	MP2A	Z	-3.999	1.33
15	MP2A	Mx	-.005	1.33
16	MP2A	X	6.926	5.33
17	MP2A	Z	-3.999	5.33
18	MP2A	Mx	-.005	5.33
19	MP2B	X	6.442	1.33

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
20	MP2B	Z	-3.72	1.33
21	MP2B	Mx	.005	1.33
22	MP2B	X	6.442	5.33
23	MP2B	Z	-3.72	5.33
24	MP2B	Mx	.005	5.33
25	MP2A	X	6.926	1.33
26	MP2A	Z	-3.999	1.33
27	MP2A	Mx	-.005	1.33
28	MP2A	X	6.926	5.33
29	MP2A	Z	-3.999	5.33
30	MP2A	Mx	-.005	5.33
31	MP2B	X	6.442	1.33
32	MP2B	Z	-3.72	1.33
33	MP2B	Mx	.005	1.33
34	MP2B	X	6.442	5.33
35	MP2B	Z	-3.72	5.33
36	MP2B	Mx	.005	5.33
37	OVP1	X	2.867	1
38	OVP1	Z	-1.655	1
39	OVP1	Mx	-.002	1
40	MP3A	X	2.205	3.58
41	MP3A	Z	-1.273	3.58
42	MP3A	Mx	.001	3.58
43	MP3B	X	2.205	3.58
44	MP3B	Z	-1.273	3.58
45	MP3B	Mx	.001	3.58
46	MP3A	X	1.804	1
47	MP3A	Z	-1.042	1
48	MP3A	Mx	.001	1
49	MP3B	X	1.804	1
50	MP3B	Z	-1.042	1
51	MP3B	Mx	.001	1
52	OVP2	X	2.867	1
53	OVP2	Z	-1.655	1
54	OVP2	Mx	-.002	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	1.846	2.33
2	MP4A	Z	0	2.33
3	MP4A	Mx	-.001	2.33
4	MP4A	X	1.846	4.33
5	MP4A	Z	0	4.33
6	MP4A	Mx	-.001	4.33
7	MP4B	X	1.846	2.33
8	MP4B	Z	0	2.33
9	MP4B	Mx	-.001	2.33
10	MP4B	X	1.846	4.33
11	MP4B	Z	0	4.33
12	MP4B	Mx	-.001	4.33
13	MP2A	X	7.362	1.33
14	MP2A	Z	0	1.33
15	MP2A	Mx	-.006	1.33
16	MP2A	X	7.362	5.33
17	MP2A	Z	0	5.33
18	MP2A	Mx	-.006	5.33

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
19	MP2B	X	8.412	1.33
20	MP2B	Z	0	1.33
21	MP2B	Mx	.005	1.33
22	MP2B	X	8.412	5.33
23	MP2B	Z	0	5.33
24	MP2B	Mx	.005	5.33
25	MP2A	X	7.362	1.33
26	MP2A	Z	0	1.33
27	MP2A	Mx	-.006	1.33
28	MP2A	X	7.362	5.33
29	MP2A	Z	0	5.33
30	MP2A	Mx	-.006	5.33
31	MP2B	X	8.412	1.33
32	MP2B	Z	0	1.33
33	MP2B	Mx	.005	1.33
34	MP2B	X	8.412	5.33
35	MP2B	Z	0	5.33
36	MP2B	Mx	.005	5.33
37	OVP1	X	3.985	1
38	OVP1	Z	0	1
39	OVP1	Mx	-.002	1
40	MP3A	X	3.022	3.58
41	MP3A	Z	0	3.58
42	MP3A	Mx	.001	3.58
43	MP3B	X	3.022	3.58
44	MP3B	Z	0	3.58
45	MP3B	Mx	.001	3.58
46	MP3A	X	2.743	1
47	MP3A	Z	0	1
48	MP3A	Mx	.001	1
49	MP3B	X	2.743	1
50	MP3B	Z	0	1
51	MP3B	Mx	.001	1
52	OVP2	X	3.985	1
53	OVP2	Z	0	1
54	OVP2	Mx	-.002	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	2.22	2.33
2	MP4A	Z	1.282	2.33
3	MP4A	Mx	-.002	2.33
4	MP4A	X	2.22	4.33
5	MP4A	Z	1.282	4.33
6	MP4A	Mx	-.002	4.33
7	MP4B	X	2.22	2.33
8	MP4B	Z	1.282	2.33
9	MP4B	Mx	-.002	2.33
10	MP4B	X	2.22	4.33
11	MP4B	Z	1.282	4.33
12	MP4B	Mx	-.002	4.33
13	MP2A	X	6.926	1.33
14	MP2A	Z	3.999	1.33
15	MP2A	Mx	-.005	1.33
16	MP2A	X	6.926	5.33
17	MP2A	Z	3.999	5.33

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
18	MP2A	Mx	-.005	5.33
19	MP2B	X	8.319	1.33
20	MP2B	Z	4.803	1.33
21	MP2B	Mx	.002	1.33
22	MP2B	X	8.319	5.33
23	MP2B	Z	4.803	5.33
24	MP2B	Mx	.002	5.33
25	MP2A	X	6.926	1.33
26	MP2A	Z	3.999	1.33
27	MP2A	Mx	-.005	1.33
28	MP2A	X	6.926	5.33
29	MP2A	Z	3.999	5.33
30	MP2A	Mx	-.005	5.33
31	MP2B	X	8.319	1.33
32	MP2B	Z	4.803	1.33
33	MP2B	Mx	.002	1.33
34	MP2B	X	8.319	5.33
35	MP2B	Z	4.803	5.33
36	MP2B	Mx	.002	5.33
37	OVP1	X	4.166	1
38	OVP1	Z	2.405	1
39	OVP1	Mx	-.000823	1
40	MP3A	X	3.124	3.58
41	MP3A	Z	1.803	3.58
42	MP3A	Mx	.000617	3.58
43	MP3B	X	3.124	3.58
44	MP3B	Z	1.803	3.58
45	MP3B	Mx	.000617	3.58
46	MP3A	X	3.075	1
47	MP3A	Z	1.776	1
48	MP3A	Mx	.000607	1
49	MP3B	X	3.075	1
50	MP3B	Z	1.776	1
51	MP3B	Mx	.000607	1
52	OVP2	X	4.166	1
53	OVP2	Z	2.405	1
54	OVP2	Mx	-.000823	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	1.999	2.33
2	MP4A	Z	3.463	2.33
3	MP4A	Mx	-.001	2.33
4	MP4A	X	1.999	4.33
5	MP4A	Z	3.463	4.33
6	MP4A	Mx	-.001	4.33
7	MP4B	X	1.999	2.33
8	MP4B	Z	3.463	2.33
9	MP4B	Mx	-.001	2.33
10	MP4B	X	1.999	4.33
11	MP4B	Z	3.463	4.33
12	MP4B	Mx	-.001	4.33
13	MP2A	X	4.634	1.33
14	MP2A	Z	8.026	1.33
15	MP2A	Mx	-.003	1.33
16	MP2A	X	4.634	5.33

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
17	MP2A	Z	8.026	5.33
18	MP2A	Mx	-.003	5.33
19	MP2B	X	4.913	1.33
20	MP2B	Z	8.51	1.33
21	MP2B	Mx	-.001	1.33
22	MP2B	X	4.913	5.33
23	MP2B	Z	8.51	5.33
24	MP2B	Mx	-.001	5.33
25	MP2A	X	4.634	1.33
26	MP2A	Z	8.026	1.33
27	MP2A	Mx	-.003	1.33
28	MP2A	X	4.634	5.33
29	MP2A	Z	8.026	5.33
30	MP2A	Mx	-.003	5.33
31	MP2B	X	4.913	1.33
32	MP2B	Z	8.51	1.33
33	MP2B	Mx	-.001	1.33
34	MP2B	X	4.913	5.33
35	MP2B	Z	8.51	5.33
36	MP2B	Mx	-.001	5.33
37	OVP1	X	2.482	1
38	OVP1	Z	4.299	1
39	OVP1	Mx	.000431	1
40	MP3A	X	1.857	3.58
41	MP3A	Z	3.217	3.58
42	MP3A	Mx	-.000323	3.58
43	MP3B	X	1.857	3.58
44	MP3B	Z	3.217	3.58
45	MP3B	Mx	-.000323	3.58
46	MP3A	X	1.85	1
47	MP3A	Z	3.205	1
48	MP3A	Mx	-.000321	1
49	MP3B	X	1.85	1
50	MP3B	Z	3.205	1
51	MP3B	Mx	-.000321	1
52	OVP2	X	2.482	1
53	OVP2	Z	4.299	1
54	OVP2	Mx	.000431	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	0	2.33
2	MP4A	Z	4.716	2.33
3	MP4A	Mx	0	2.33
4	MP4A	X	0	4.33
5	MP4A	Z	4.716	4.33
6	MP4A	Mx	0	4.33
7	MP4B	X	0	2.33
8	MP4B	Z	4.716	2.33
9	MP4B	Mx	0	2.33
10	MP4B	X	0	4.33
11	MP4B	Z	4.716	4.33
12	MP4B	Mx	0	4.33
13	MP2A	X	0	1.33
14	MP2A	Z	9.903	1.33
15	MP2A	Mx	0	1.33

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
16	MP2A	X	0	5.33
17	MP2A	Z	9.903	5.33
18	MP2A	Mx	0	5.33
19	MP2B	X	0	1.33
20	MP2B	Z	8.853	1.33
21	MP2B	Mx	-.004	1.33
22	MP2B	X	0	5.33
23	MP2B	Z	8.853	5.33
24	MP2B	Mx	-.004	5.33
25	MP2A	X	0	1.33
26	MP2A	Z	9.903	1.33
27	MP2A	Mx	0	1.33
28	MP2A	X	0	5.33
29	MP2A	Z	9.903	5.33
30	MP2A	Mx	0	5.33
31	MP2B	X	0	1.33
32	MP2B	Z	8.853	1.33
33	MP2B	Mx	-.004	1.33
34	MP2B	X	0	5.33
35	MP2B	Z	8.853	5.33
36	MP2B	Mx	-.004	5.33
37	OVP1	X	0	1
38	OVP1	Z	4.29	1
39	OVP1	Mx	.001	1
40	MP3A	X	0	3.58
41	MP3A	Z	3.238	3.58
42	MP3A	Mx	-.001	3.58
43	MP3B	X	0	3.58
44	MP3B	Z	3.238	3.58
45	MP3B	Mx	-.001	3.58
46	MP3A	X	0	1
47	MP3A	Z	3.042	1
48	MP3A	Mx	-.000978	1
49	MP3B	X	0	1
50	MP3B	Z	3.042	1
51	MP3B	Mx	-.000978	1
52	OVP2	X	0	1
53	OVP2	Z	4.29	1
54	OVP2	Mx	.001	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	-1.999	2.33
2	MP4A	Z	3.463	2.33
3	MP4A	Mx	.001	2.33
4	MP4A	X	-1.999	4.33
5	MP4A	Z	3.463	4.33
6	MP4A	Mx	.001	4.33
7	MP4B	X	-1.999	2.33
8	MP4B	Z	3.463	2.33
9	MP4B	Mx	.001	2.33
10	MP4B	X	-1.999	4.33
11	MP4B	Z	3.463	4.33
12	MP4B	Mx	.001	4.33
13	MP2A	X	-4.634	1.33
14	MP2A	Z	8.026	1.33

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
15	MP2A	Mx	.003	1.33
16	MP2A	X	-4.634	5.33
17	MP2A	Z	8.026	5.33
18	MP2A	Mx	.003	5.33
19	MP2B	X	-3.83	1.33
20	MP2B	Z	6.633	1.33
21	MP2B	Mx	-.005	1.33
22	MP2B	X	-3.83	5.33
23	MP2B	Z	6.633	5.33
24	MP2B	Mx	-.005	5.33
25	MP2A	X	-4.634	1.33
26	MP2A	Z	8.026	1.33
27	MP2A	Mx	.003	1.33
28	MP2A	X	-4.634	5.33
29	MP2A	Z	8.026	5.33
30	MP2A	Mx	.003	5.33
31	MP2B	X	-3.83	1.33
32	MP2B	Z	6.633	1.33
33	MP2B	Mx	-.005	1.33
34	MP2B	X	-3.83	5.33
35	MP2B	Z	6.633	5.33
36	MP2B	Mx	-.005	5.33
37	OVP1	X	-1.732	1
38	OVP1	Z	3	1
39	OVP1	Mx	.002	1
40	MP3A	X	-1.327	3.58
41	MP3A	Z	2.298	3.58
42	MP3A	Mx	-.001	3.58
43	MP3B	X	-1.327	3.58
44	MP3B	Z	2.298	3.58
45	MP3B	Mx	-.001	3.58
46	MP3A	X	-1.117	1
47	MP3A	Z	1.934	1
48	MP3A	Mx	-.001	1
49	MP3B	X	-1.117	1
50	MP3B	Z	1.934	1
51	MP3B	Mx	-.001	1
52	OVP2	X	-1.732	1
53	OVP2	Z	3	1
54	OVP2	Mx	.002	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	-2.22	2.33
2	MP4A	Z	1.282	2.33
3	MP4A	Mx	.002	2.33
4	MP4A	X	-2.22	4.33
5	MP4A	Z	1.282	4.33
6	MP4A	Mx	.002	4.33
7	MP4B	X	-2.22	2.33
8	MP4B	Z	1.282	2.33
9	MP4B	Mx	.002	2.33
10	MP4B	X	-2.22	4.33
11	MP4B	Z	1.282	4.33
12	MP4B	Mx	.002	4.33
13	MP2A	X	-6.926	1.33

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
14	MP2A	Z	3.999	1.33
15	MP2A	Mx	.005	1.33
16	MP2A	X	-6.926	5.33
17	MP2A	Z	3.999	5.33
18	MP2A	Mx	.005	5.33
19	MP2B	X	-6.442	1.33
20	MP2B	Z	3.72	1.33
21	MP2B	Mx	-.005	1.33
22	MP2B	X	-6.442	5.33
23	MP2B	Z	3.72	5.33
24	MP2B	Mx	-.005	5.33
25	MP2A	X	-6.926	1.33
26	MP2A	Z	3.999	1.33
27	MP2A	Mx	.005	1.33
28	MP2A	X	-6.926	5.33
29	MP2A	Z	3.999	5.33
30	MP2A	Mx	.005	5.33
31	MP2B	X	-6.442	1.33
32	MP2B	Z	3.72	1.33
33	MP2B	Mx	-.005	1.33
34	MP2B	X	-6.442	5.33
35	MP2B	Z	3.72	5.33
36	MP2B	Mx	-.005	5.33
37	OVP1	X	-2.867	1
38	OVP1	Z	1.655	1
39	OVP1	Mx	.002	1
40	MP3A	X	-2.205	3.58
41	MP3A	Z	1.273	3.58
42	MP3A	Mx	-.001	3.58
43	MP3B	X	-2.205	3.58
44	MP3B	Z	1.273	3.58
45	MP3B	Mx	-.001	3.58
46	MP3A	X	-1.804	1
47	MP3A	Z	1.042	1
48	MP3A	Mx	-.001	1
49	MP3B	X	-1.804	1
50	MP3B	Z	1.042	1
51	MP3B	Mx	-.001	1
52	OVP2	X	-2.867	1
53	OVP2	Z	1.655	1
54	OVP2	Mx	.002	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	-1.846	2.33
2	MP4A	Z	0	2.33
3	MP4A	Mx	.001	2.33
4	MP4A	X	-1.846	4.33
5	MP4A	Z	0	4.33
6	MP4A	Mx	.001	4.33
7	MP4B	X	-1.846	2.33
8	MP4B	Z	0	2.33
9	MP4B	Mx	.001	2.33
10	MP4B	X	-1.846	4.33
11	MP4B	Z	0	4.33
12	MP4B	Mx	.001	4.33

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
13	MP2A	X	-7.362	1.33
14	MP2A	Z	0	1.33
15	MP2A	Mx	.006	1.33
16	MP2A	X	-7.362	5.33
17	MP2A	Z	0	5.33
18	MP2A	Mx	.006	5.33
19	MP2B	X	-8.412	1.33
20	MP2B	Z	0	1.33
21	MP2B	Mx	-.005	1.33
22	MP2B	X	-8.412	5.33
23	MP2B	Z	0	5.33
24	MP2B	Mx	-.005	5.33
25	MP2A	X	-7.362	1.33
26	MP2A	Z	0	1.33
27	MP2A	Mx	.006	1.33
28	MP2A	X	-7.362	5.33
29	MP2A	Z	0	5.33
30	MP2A	Mx	.006	5.33
31	MP2B	X	-8.412	1.33
32	MP2B	Z	0	1.33
33	MP2B	Mx	-.005	1.33
34	MP2B	X	-8.412	5.33
35	MP2B	Z	0	5.33
36	MP2B	Mx	-.005	5.33
37	OVP1	X	-3.985	1
38	OVP1	Z	0	1
39	OVP1	Mx	.002	1
40	MP3A	X	-3.022	3.58
41	MP3A	Z	0	3.58
42	MP3A	Mx	-.001	3.58
43	MP3B	X	-3.022	3.58
44	MP3B	Z	0	3.58
45	MP3B	Mx	-.001	3.58
46	MP3A	X	-2.743	1
47	MP3A	Z	0	1
48	MP3A	Mx	-.001	1
49	MP3B	X	-2.743	1
50	MP3B	Z	0	1
51	MP3B	Mx	-.001	1
52	OVP2	X	-3.985	1
53	OVP2	Z	0	1
54	OVP2	Mx	.002	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	-2.22	2.33
2	MP4A	Z	-1.282	2.33
3	MP4A	Mx	.002	2.33
4	MP4A	X	-2.22	4.33
5	MP4A	Z	-1.282	4.33
6	MP4A	Mx	.002	4.33
7	MP4B	X	-2.22	2.33
8	MP4B	Z	-1.282	2.33
9	MP4B	Mx	.002	2.33
10	MP4B	X	-2.22	4.33
11	MP4B	Z	-1.282	4.33

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
12	MP4B	Mx	.002	4.33
13	MP2A	X	-6.926	1.33
14	MP2A	Z	-3.999	1.33
15	MP2A	Mx	.005	1.33
16	MP2A	X	-6.926	5.33
17	MP2A	Z	-3.999	5.33
18	MP2A	Mx	.005	5.33
19	MP2B	X	-8.319	1.33
20	MP2B	Z	-4.803	1.33
21	MP2B	Mx	-.002	1.33
22	MP2B	X	-8.319	5.33
23	MP2B	Z	-4.803	5.33
24	MP2B	Mx	-.002	5.33
25	MP2A	X	-6.926	1.33
26	MP2A	Z	-3.999	1.33
27	MP2A	Mx	.005	1.33
28	MP2A	X	-6.926	5.33
29	MP2A	Z	-3.999	5.33
30	MP2A	Mx	.005	5.33
31	MP2B	X	-8.319	1.33
32	MP2B	Z	-4.803	1.33
33	MP2B	Mx	-.002	1.33
34	MP2B	X	-8.319	5.33
35	MP2B	Z	-4.803	5.33
36	MP2B	Mx	-.002	5.33
37	OVP1	X	-4.166	1
38	OVP1	Z	-2.405	1
39	OVP1	Mx	.000823	1
40	MP3A	X	-3.124	3.58
41	MP3A	Z	-1.803	3.58
42	MP3A	Mx	-.000617	3.58
43	MP3B	X	-3.124	3.58
44	MP3B	Z	-1.803	3.58
45	MP3B	Mx	-.000617	3.58
46	MP3A	X	-3.075	1
47	MP3A	Z	-1.776	1
48	MP3A	Mx	-.000607	1
49	MP3B	X	-3.075	1
50	MP3B	Z	-1.776	1
51	MP3B	Mx	-.000607	1
52	OVP2	X	-4.166	1
53	OVP2	Z	-2.405	1
54	OVP2	Mx	.000823	1

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	MP4A	X	-1.999	2.33
2	MP4A	Z	-3.463	2.33
3	MP4A	Mx	.001	2.33
4	MP4A	X	-1.999	4.33
5	MP4A	Z	-3.463	4.33
6	MP4A	Mx	.001	4.33
7	MP4B	X	-1.999	2.33
8	MP4B	Z	-3.463	2.33
9	MP4B	Mx	.001	2.33
10	MP4B	X	-1.999	4.33

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
11	MP4B	Z	-3.463	4.33
12	MP4B	Mx	.001	4.33
13	MP2A	X	-4.634	1.33
14	MP2A	Z	-8.026	1.33
15	MP2A	Mx	.003	1.33
16	MP2A	X	-4.634	5.33
17	MP2A	Z	-8.026	5.33
18	MP2A	Mx	.003	5.33
19	MP2B	X	-4.913	1.33
20	MP2B	Z	-8.51	1.33
21	MP2B	Mx	.001	1.33
22	MP2B	X	-4.913	5.33
23	MP2B	Z	-8.51	5.33
24	MP2B	Mx	.001	5.33
25	MP2A	X	-4.634	1.33
26	MP2A	Z	-8.026	1.33
27	MP2A	Mx	.003	1.33
28	MP2A	X	-4.634	5.33
29	MP2A	Z	-8.026	5.33
30	MP2A	Mx	.003	5.33
31	MP2B	X	-4.913	1.33
32	MP2B	Z	-8.51	1.33
33	MP2B	Mx	.001	1.33
34	MP2B	X	-4.913	5.33
35	MP2B	Z	-8.51	5.33
36	MP2B	Mx	.001	5.33
37	OVP1	X	-2.482	1
38	OVP1	Z	-4.299	1
39	OVP1	Mx	-.000431	1
40	MP3A	X	-1.857	3.58
41	MP3A	Z	-3.217	3.58
42	MP3A	Mx	.000323	3.58
43	MP3B	X	-1.857	3.58
44	MP3B	Z	-3.217	3.58
45	MP3B	Mx	.000323	3.58
46	MP3A	X	-1.85	1
47	MP3A	Z	-3.205	1
48	MP3A	Mx	.000321	1
49	MP3B	X	-1.85	1
50	MP3B	Z	-3.205	1
51	MP3B	Mx	.000321	1
52	OVP2	X	-2.482	1
53	OVP2	Z	-4.299	1
54	OVP2	Mx	-.000431	1

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	M20	Y	-500	%64

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	M20	Y	-500	%93

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 79 : Lv1) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	M20	Y	-250	%50

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[ft,%]
1	M20	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	M13	Y	-9.384	-9.384	0	%100
2	M20	Y	-6.402	-6.402	0	%100
3	M32	Y	-6.402	-6.402	0	%100
4	M33A	Y	-6.402	-6.402	0	%100
5	M41A	Y	-9.384	-9.384	0	%100
6	M42_1	Y	-9.384	-9.384	0	%100
7	M43A_1	Y	-9.887	-9.887	0	%100
8	M46A	Y	-5.474	-5.474	0	%100
9	M47	Y	-5.474	-5.474	0	%100
10	M64	Y	-9.875	-9.875	0	%100
11	M65	Y	-9.875	-9.875	0	%100
12	M71	Y	-9.887	-9.887	0	%100
13	M86	Y	-9.875	-9.875	0	%100
14	M87	Y	-9.875	-9.875	0	%100
15	M90	Y	-9.887	-9.887	0	%100
16	M50A	Y	-9.384	-9.384	0	%100
17	M51A	Y	-9.384	-9.384	0	%100
18	M52	Y	-9.384	-9.384	0	%100
19	M53A	Y	-9.887	-9.887	0	%100
20	M56	Y	-5.474	-5.474	0	%100
21	M57	Y	-5.474	-5.474	0	%100
22	M62	Y	-9.875	-9.875	0	%100
23	M63	Y	-9.875	-9.875	0	%100
24	M65A	Y	-9.887	-9.887	0	%100
25	M67	Y	-9.875	-9.875	0	%100
26	M68A	Y	-9.875	-9.875	0	%100
27	M70	Y	-9.887	-9.887	0	%100
28	M72A	Y	-9.384	-9.384	0	%100
29	M73	Y	-9.384	-9.384	0	%100
30	M74	Y	-9.384	-9.384	0	%100
31	M75	Y	-9.887	-9.887	0	%100
32	M78	Y	-5.474	-5.474	0	%100
33	M79	Y	-5.474	-5.474	0	%100
34	M84	Y	-9.875	-9.875	0	%100
35	M85	Y	-9.875	-9.875	0	%100
36	M87A	Y	-9.887	-9.887	0	%100
37	M89A	Y	-9.875	-9.875	0	%100
38	M90A	Y	-9.875	-9.875	0	%100
39	M92	Y	-9.887	-9.887	0	%100
40	M71B	Y	-8.476	-8.476	0	%100
41	M72B	Y	-8.476	-8.476	0	%100
42	M73A	Y	-8.476	-8.476	0	%100
43	MP4A	Y	-5.538	-5.538	0	%100
44	MP3A	Y	-5.538	-5.538	0	%100
45	MP2A	Y	-5.538	-5.538	0	%100
46	MP1A	Y	-5.538	-5.538	0	%100
47	MP4B	Y	-5.538	-5.538	0	%100

Member Distributed Loads (BLC 40 : Structure Di) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
48	MP3B	Y	-5.538	-5.538	0	%100
49	MP2B	Y	-5.538	-5.538	0	%100
50	MP1B	Y	-5.538	-5.538	0	%100
51	OVP2	Y	-4.847	-4.847	0	%100
52	OVP1	Y	-4.847	-4.847	0	%100
53	MP4C	Y	-5.538	-5.538	0	%100
54	MP3C	Y	-5.538	-5.538	0	%100
55	MP2C	Y	-5.538	-5.538	0	%100
56	MP1C	Y	-5.538	-5.538	0	%100
57	M101	Y	-5.538	-5.538	0	%100
58	M108	Y	-5.538	-5.538	0	%100
59	M115	Y	-5.538	-5.538	0	%100
60	M122	Y	-7.429	-7.429	0	%100
61	M123	Y	-7.429	-7.429	0	%100
62	M124	Y	-7.429	-7.429	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	M13	X	0	0	0	%100
2	M13	Z	-8.928	-8.928	0	%100
3	M20	X	0	0	0	%100
4	M20	Z	-10.866	-10.866	0	%100
5	M32	X	0	0	0	%100
6	M32	Z	-2.716	-2.716	0	%100
7	M33A	X	0	0	0	%100
8	M33A	Z	-2.716	-2.716	0	%100
9	M41A	X	0	0	0	%100
10	M41A	Z	-2.339	-2.339	0	%100
11	M42_1	X	0	0	0	%100
12	M42_1	Z	-2.339	-2.339	0	%100
13	M43A_1	X	0	0	0	%100
14	M43A_1	Z	-4.657	-4.657	0	%100
15	M46A	X	0	0	0	%100
16	M46A	Z	-2.535	-2.535	0	%100
17	M47	X	0	0	0	%100
18	M47	Z	-10.142	-10.142	0	%100
19	M64	X	0	0	0	%100
20	M64	Z	-14.057	-14.057	0	%100
21	M65	X	0	0	0	%100
22	M65	Z	-18.972	-18.972	0	%100
23	M71	X	0	0	0	%100
24	M71	Z	-19.662	-19.662	0	%100
25	M86	X	0	0	0	%100
26	M86	Z	-14.057	-14.057	0	%100
27	M87	X	0	0	0	%100
28	M87	Z	-4.743	-4.743	0	%100
29	M90	X	0	0	0	%100
30	M90	Z	-4.916	-4.916	0	%100
31	M50A	X	0	0	0	%100
32	M50A	Z	-8.928	-8.928	0	%100
33	M51A	X	0	0	0	%100
34	M51A	Z	-2.339	-2.339	0	%100
35	M52	X	0	0	0	%100
36	M52	Z	-2.339	-2.339	0	%100
37	M53A	X	0	0	0	%100
38	M53A	Z	-4.657	-4.657	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,%]
39	M56	X	0	0	0	%100
40	M56	Z	-10.14	-10.14	0	%100
41	M57	X	0	0	0	%100
42	M57	Z	-2.535	-2.535	0	%100
43	M62	X	0	0	0	%100
44	M62	Z	-14.057	-14.057	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	-4.743	-4.743	0	%100
47	M65A	X	0	0	0	%100
48	M65A	Z	-4.916	-4.916	0	%100
49	M67	X	0	0	0	%100
50	M67	Z	-14.057	-14.057	0	%100
51	M68A	X	0	0	0	%100
52	M68A	Z	-18.972	-18.972	0	%100
53	M70	X	0	0	0	%100
54	M70	Z	-19.662	-19.662	0	%100
55	M72A	X	0	0	0	%100
56	M72A	Z	0	0	0	%100
57	M73	X	0	0	0	%100
58	M73	Z	-9.358	-9.358	0	%100
59	M74	X	0	0	0	%100
60	M74	Z	-9.358	-9.358	0	%100
61	M75	X	0	0	0	%100
62	M75	Z	-18.627	-18.627	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	-2.535	-2.535	0	%100
65	M79	X	0	0	0	%100
66	M79	Z	-2.535	-2.535	0	%100
67	M84	X	0	0	0	%100
68	M84	Z	0	0	0	%100
69	M85	X	0	0	0	%100
70	M85	Z	-4.743	-4.743	0	%100
71	M87A	X	0	0	0	%100
72	M87A	Z	-4.916	-4.916	0	%100
73	M89A	X	0	0	0	%100
74	M89A	Z	0	0	0	%100
75	M90A	X	0	0	0	%100
76	M90A	Z	-4.743	-4.743	0	%100
77	M92	X	0	0	0	%100
78	M92	Z	-4.916	-4.916	0	%100
79	M71B	X	0	0	0	%100
80	M71B	Z	-10.902	-10.902	0	%100
81	M72B	X	0	0	0	%100
82	M72B	Z	-4.803	-4.803	0	%100
83	M73A	X	0	0	0	%100
84	M73A	Z	-10.902	-10.902	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	-8.926	-8.926	0	%100
87	MP3A	X	0	0	0	%100
88	MP3A	Z	-8.926	-8.926	0	%100
89	MP2A	X	0	0	0	%100
90	MP2A	Z	-8.926	-8.926	0	%100
91	MP1A	X	0	0	0	%100
92	MP1A	Z	-8.926	-8.926	0	%100
93	MP4B	X	0	0	0	%100
94	MP4B	Z	-8.926	-8.926	0	%100
95	MP3B	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,%]
96	MP3B	Z	-8.926	-8.926	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-8.926	-8.926	0	%100
99	MP1B	X	0	0	0	%100
100	MP1B	Z	-8.926	-8.926	0	%100
101	OVP2	X	0	0	0	%100
102	OVP2	Z	-5.34	-5.34	0	%100
103	OVP1	X	0	0	0	%100
104	OVP1	Z	-5.34	-5.34	0	%100
105	MP4C	X	0	0	0	%100
106	MP4C	Z	-8.926	-8.926	0	%100
107	MP3C	X	0	0	0	%100
108	MP3C	Z	-8.926	-8.926	0	%100
109	MP2C	X	0	0	0	%100
110	MP2C	Z	-8.926	-8.926	0	%100
111	MP1C	X	0	0	0	%100
112	MP1C	Z	-8.926	-8.926	0	%100
113	M101	X	0	0	0	%100
114	M101	Z	-8.926	-8.926	0	%100
115	M108	X	0	0	0	%100
116	M108	Z	-2.231	-2.231	0	%100
117	M115	X	0	0	0	%100
118	M115	Z	-2.231	-2.231	0	%100
119	M122	X	0	0	0	%100
120	M122	Z	-2.89	-2.89	0	%100
121	M123	X	0	0	0	%100
122	M123	Z	-11.56	-11.56	0	%100
123	M124	X	0	0	0	%100
124	M124	Z	-2.89	-2.89	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	M13	X	1.488	1.488	0	%100
2	M13	Z	-2.577	-2.577	0	%100
3	M20	X	4.075	4.075	0	%100
4	M20	Z	-7.058	-7.058	0	%100
5	M32	X	4.075	4.075	0	%100
6	M32	Z	-7.058	-7.058	0	%100
7	M33A	X	0	0	0	%100
8	M33A	Z	0	0	0	%100
9	M41A	X	3.509	3.509	0	%100
10	M41A	Z	-6.078	-6.078	0	%100
11	M42_1	X	3.509	3.509	0	%100
12	M42_1	Z	-6.078	-6.078	0	%100
13	M43A_1	X	6.985	6.985	0	%100
14	M43A_1	Z	-12.099	-12.099	0	%100
15	M46A	X	0	0	0	%100
16	M46A	Z	0	0	0	%100
17	M47	X	3.803	3.803	0	%100
18	M47	Z	-6.587	-6.587	0	%100
19	M64	X	2.343	2.343	0	%100
20	M64	Z	-4.058	-4.058	0	%100
21	M65	X	7.115	7.115	0	%100
22	M65	Z	-12.323	-12.323	0	%100
23	M71	X	7.373	7.373	0	%100
24	M71	Z	-12.771	-12.771	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,%]
25	M86	X	2.343	2.343	0	%100
26	M86	Z	-4.058	-4.058	0	%100
27	M87	X	0	0	0	%100
28	M87	Z	0	0	0	%100
29	M90	X	0	0	0	%100
30	M90	Z	0	0	0	%100
31	M50A	X	5.952	5.952	0	%100
32	M50A	Z	-10.309	-10.309	0	%100
33	M51A	X	0	0	0	%100
34	M51A	Z	0	0	0	%100
35	M52	X	0	0	0	%100
36	M52	Z	0	0	0	%100
37	M53A	X	0	0	0	%100
38	M53A	Z	0	0	0	%100
39	M56	X	3.803	3.803	0	%100
40	M56	Z	-6.586	-6.586	0	%100
41	M57	X	3.803	3.803	0	%100
42	M57	Z	-6.587	-6.587	0	%100
43	M62	X	9.371	9.371	0	%100
44	M62	Z	-16.231	-16.231	0	%100
45	M63	X	7.115	7.115	0	%100
46	M63	Z	-12.323	-12.323	0	%100
47	M65A	X	7.373	7.373	0	%100
48	M65A	Z	-12.771	-12.771	0	%100
49	M67	X	9.371	9.371	0	%100
50	M67	Z	-16.231	-16.231	0	%100
51	M68A	X	7.115	7.115	0	%100
52	M68A	Z	-12.323	-12.323	0	%100
53	M70	X	7.373	7.373	0	%100
54	M70	Z	-12.771	-12.771	0	%100
55	M72A	X	1.488	1.488	0	%100
56	M72A	Z	-2.577	-2.577	0	%100
57	M73	X	3.509	3.509	0	%100
58	M73	Z	-6.078	-6.078	0	%100
59	M74	X	3.509	3.509	0	%100
60	M74	Z	-6.078	-6.078	0	%100
61	M75	X	6.985	6.985	0	%100
62	M75	Z	-12.099	-12.099	0	%100
63	M78	X	3.803	3.803	0	%100
64	M78	Z	-6.586	-6.586	0	%100
65	M79	X	0	0	0	%100
66	M79	Z	0	0	0	%100
67	M84	X	2.343	2.343	0	%100
68	M84	Z	-4.058	-4.058	0	%100
69	M85	X	0	0	0	%100
70	M85	Z	0	0	0	%100
71	M87A	X	0	0	0	%100
72	M87A	Z	0	0	0	%100
73	M89A	X	2.343	2.343	0	%100
74	M89A	Z	-4.058	-4.058	0	%100
75	M90A	X	7.115	7.115	0	%100
76	M90A	Z	-12.323	-12.323	0	%100
77	M92	X	7.373	7.373	0	%100
78	M92	Z	-12.771	-12.771	0	%100
79	M71B	X	3.418	3.418	0	%100
80	M71B	Z	-5.92	-5.92	0	%100
81	M72B	X	3.418	3.418	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,%]
82	M72B	Z	-5.92	-5.92	0	%100
83	M73A	X	6.468	6.468	0	%100
84	M73A	Z	-11.203	-11.203	0	%100
85	MP4A	X	4.463	4.463	0	%100
86	MP4A	Z	-7.73	-7.73	0	%100
87	MP3A	X	4.463	4.463	0	%100
88	MP3A	Z	-7.73	-7.73	0	%100
89	MP2A	X	4.463	4.463	0	%100
90	MP2A	Z	-7.73	-7.73	0	%100
91	MP1A	X	4.463	4.463	0	%100
92	MP1A	Z	-7.73	-7.73	0	%100
93	MP4B	X	4.463	4.463	0	%100
94	MP4B	Z	-7.73	-7.73	0	%100
95	MP3B	X	4.463	4.463	0	%100
96	MP3B	Z	-7.73	-7.73	0	%100
97	MP2B	X	4.463	4.463	0	%100
98	MP2B	Z	-7.73	-7.73	0	%100
99	MP1B	X	4.463	4.463	0	%100
100	MP1B	Z	-7.73	-7.73	0	%100
101	OVP2	X	2.67	2.67	0	%100
102	OVP2	Z	-4.624	-4.624	0	%100
103	OVP1	X	2.67	2.67	0	%100
104	OVP1	Z	-4.624	-4.624	0	%100
105	MP4C	X	4.463	4.463	0	%100
106	MP4C	Z	-7.73	-7.73	0	%100
107	MP3C	X	4.463	4.463	0	%100
108	MP3C	Z	-7.73	-7.73	0	%100
109	MP2C	X	4.463	4.463	0	%100
110	MP2C	Z	-7.73	-7.73	0	%100
111	MP1C	X	4.463	4.463	0	%100
112	MP1C	Z	-7.73	-7.73	0	%100
113	M101	X	3.347	3.347	0	%100
114	M101	Z	-5.797	-5.797	0	%100
115	M108	X	3.347	3.347	0	%100
116	M108	Z	-5.797	-5.797	0	%100
117	M115	X	0	0	0	%100
118	M115	Z	0	0	0	%100
119	M122	X	4.335	4.335	0	%100
120	M122	Z	-7.509	-7.509	0	%100
121	M123	X	4.335	4.335	0	%100
122	M123	Z	-7.509	-7.509	0	%100
123	M124	X	0	0	0	%100
124	M124	Z	0	0	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	M13	X	0	0	0	%100
2	M13	Z	0	0	0	%100
3	M20	X	2.353	2.353	0	%100
4	M20	Z	-1.358	-1.358	0	%100
5	M32	X	9.41	9.41	0	%100
6	M32	Z	-5.433	-5.433	0	%100
7	M33A	X	2.353	2.353	0	%100
8	M33A	Z	-1.358	-1.358	0	%100
9	M41A	X	8.104	8.104	0	%100
10	M41A	Z	-4.679	-4.679	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,%]
11	M42_1	X	8.104	8.104	0	%100
12	M42_1	Z	-4.679	-4.679	0	%100
13	M43A_1	X	16.132	16.132	0	%100
14	M43A_1	Z	-9.314	-9.314	0	%100
15	M46A	X	2.195	2.195	0	%100
16	M46A	Z	-1.268	-1.268	0	%100
17	M47	X	2.196	2.196	0	%100
18	M47	Z	-1.268	-1.268	0	%100
19	M64	X	0	0	0	%100
20	M64	Z	0	0	0	%100
21	M65	X	4.108	4.108	0	%100
22	M65	Z	-2.372	-2.372	0	%100
23	M71	X	4.257	4.257	0	%100
24	M71	Z	-2.458	-2.458	0	%100
25	M86	X	0	0	0	%100
26	M86	Z	0	0	0	%100
27	M87	X	4.108	4.108	0	%100
28	M87	Z	-2.372	-2.372	0	%100
29	M90	X	4.257	4.257	0	%100
30	M90	Z	-2.458	-2.458	0	%100
31	M50A	X	7.732	7.732	0	%100
32	M50A	Z	-4.464	-4.464	0	%100
33	M51A	X	2.026	2.026	0	%100
34	M51A	Z	-1.17	-1.17	0	%100
35	M52	X	2.026	2.026	0	%100
36	M52	Z	-1.17	-1.17	0	%100
37	M53A	X	4.033	4.033	0	%100
38	M53A	Z	-2.328	-2.328	0	%100
39	M56	X	2.195	2.195	0	%100
40	M56	Z	-1.268	-1.268	0	%100
41	M57	X	8.783	8.783	0	%100
42	M57	Z	-5.071	-5.071	0	%100
43	M62	X	12.173	12.173	0	%100
44	M62	Z	-7.028	-7.028	0	%100
45	M63	X	16.43	16.43	0	%100
46	M63	Z	-9.486	-9.486	0	%100
47	M65A	X	17.028	17.028	0	%100
48	M65A	Z	-9.831	-9.831	0	%100
49	M67	X	12.173	12.173	0	%100
50	M67	Z	-7.028	-7.028	0	%100
51	M68A	X	4.108	4.108	0	%100
52	M68A	Z	-2.372	-2.372	0	%100
53	M70	X	4.257	4.257	0	%100
54	M70	Z	-2.458	-2.458	0	%100
55	M72A	X	7.732	7.732	0	%100
56	M72A	Z	-4.464	-4.464	0	%100
57	M73	X	2.026	2.026	0	%100
58	M73	Z	-1.17	-1.17	0	%100
59	M74	X	2.026	2.026	0	%100
60	M74	Z	-1.17	-1.17	0	%100
61	M75	X	4.033	4.033	0	%100
62	M75	Z	-2.328	-2.328	0	%100
63	M78	X	8.782	8.782	0	%100
64	M78	Z	-5.07	-5.07	0	%100
65	M79	X	2.196	2.196	0	%100
66	M79	Z	-1.268	-1.268	0	%100
67	M84	X	12.173	12.173	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,%]
68	M84	Z	-7.028	-7.028	0	%100
69	M85	X	4.108	4.108	0	%100
70	M85	Z	-2.372	-2.372	0	%100
71	M87A	X	4.257	4.257	0	%100
72	M87A	Z	-2.458	-2.458	0	%100
73	M89A	X	12.173	12.173	0	%100
74	M89A	Z	-7.028	-7.028	0	%100
75	M90A	X	16.43	16.43	0	%100
76	M90A	Z	-9.486	-9.486	0	%100
77	M92	X	17.028	17.028	0	%100
78	M92	Z	-9.831	-9.831	0	%100
79	M71B	X	4.159	4.159	0	%100
80	M71B	Z	-2.401	-2.401	0	%100
81	M72B	X	9.442	9.442	0	%100
82	M72B	Z	-5.451	-5.451	0	%100
83	M73A	X	9.442	9.442	0	%100
84	M73A	Z	-5.451	-5.451	0	%100
85	MP4A	X	7.73	7.73	0	%100
86	MP4A	Z	-4.463	-4.463	0	%100
87	MP3A	X	7.73	7.73	0	%100
88	MP3A	Z	-4.463	-4.463	0	%100
89	MP2A	X	7.73	7.73	0	%100
90	MP2A	Z	-4.463	-4.463	0	%100
91	MP1A	X	7.73	7.73	0	%100
92	MP1A	Z	-4.463	-4.463	0	%100
93	MP4B	X	7.73	7.73	0	%100
94	MP4B	Z	-4.463	-4.463	0	%100
95	MP3B	X	7.73	7.73	0	%100
96	MP3B	Z	-4.463	-4.463	0	%100
97	MP2B	X	7.73	7.73	0	%100
98	MP2B	Z	-4.463	-4.463	0	%100
99	MP1B	X	7.73	7.73	0	%100
100	MP1B	Z	-4.463	-4.463	0	%100
101	OVP2	X	4.624	4.624	0	%100
102	OVP2	Z	-2.67	-2.67	0	%100
103	OVP1	X	4.624	4.624	0	%100
104	OVP1	Z	-2.67	-2.67	0	%100
105	MP4C	X	7.73	7.73	0	%100
106	MP4C	Z	-4.463	-4.463	0	%100
107	MP3C	X	7.73	7.73	0	%100
108	MP3C	Z	-4.463	-4.463	0	%100
109	MP2C	X	7.73	7.73	0	%100
110	MP2C	Z	-4.463	-4.463	0	%100
111	MP1C	X	7.73	7.73	0	%100
112	MP1C	Z	-4.463	-4.463	0	%100
113	M101	X	1.932	1.932	0	%100
114	M101	Z	-1.116	-1.116	0	%100
115	M108	X	7.73	7.73	0	%100
116	M108	Z	-4.463	-4.463	0	%100
117	M115	X	1.932	1.932	0	%100
118	M115	Z	-1.116	-1.116	0	%100
119	M122	X	10.011	10.011	0	%100
120	M122	Z	-5.78	-5.78	0	%100
121	M123	X	2.503	2.503	0	%100
122	M123	Z	-1.445	-1.445	0	%100
123	M124	X	2.503	2.503	0	%100
124	M124	Z	-1.445	-1.445	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	M13	X	2.976	2.976	0	%100
2	M13	Z	0	0	0	%100
3	M20	X	0	0	0	%100
4	M20	Z	0	0	0	%100
5	M32	X	8.149	8.149	0	%100
6	M32	Z	0	0	0	%100
7	M33A	X	8.149	8.149	0	%100
8	M33A	Z	0	0	0	%100
9	M41A	X	7.018	7.018	0	%100
10	M41A	Z	0	0	0	%100
11	M42_1	X	7.018	7.018	0	%100
12	M42_1	Z	0	0	0	%100
13	M43A_1	X	13.97	13.97	0	%100
14	M43A_1	Z	0	0	0	%100
15	M46A	X	7.605	7.605	0	%100
16	M46A	Z	0	0	0	%100
17	M47	X	0	0	0	%100
18	M47	Z	0	0	0	%100
19	M64	X	4.686	4.686	0	%100
20	M64	Z	0	0	0	%100
21	M65	X	0	0	0	%100
22	M65	Z	0	0	0	%100
23	M71	X	0	0	0	%100
24	M71	Z	0	0	0	%100
25	M86	X	4.686	4.686	0	%100
26	M86	Z	0	0	0	%100
27	M87	X	14.229	14.229	0	%100
28	M87	Z	0	0	0	%100
29	M90	X	14.747	14.747	0	%100
30	M90	Z	0	0	0	%100
31	M50A	X	2.976	2.976	0	%100
32	M50A	Z	0	0	0	%100
33	M51A	X	7.018	7.018	0	%100
34	M51A	Z	0	0	0	%100
35	M52	X	7.018	7.018	0	%100
36	M52	Z	0	0	0	%100
37	M53A	X	13.97	13.97	0	%100
38	M53A	Z	0	0	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	0	0	0	%100
41	M57	X	7.606	7.606	0	%100
42	M57	Z	0	0	0	%100
43	M62	X	4.686	4.686	0	%100
44	M62	Z	0	0	0	%100
45	M63	X	14.229	14.229	0	%100
46	M63	Z	0	0	0	%100
47	M65A	X	14.747	14.747	0	%100
48	M65A	Z	0	0	0	%100
49	M67	X	4.686	4.686	0	%100
50	M67	Z	0	0	0	%100
51	M68A	X	0	0	0	%100
52	M68A	Z	0	0	0	%100
53	M70	X	0	0	0	%100
54	M70	Z	0	0	0	%100
55	M72A	X	11.904	11.904	0	%100
56	M72A	Z	0	0	0	%100
57	M73	X	0	0	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,%]
58	M73	Z	0	0	0	%100
59	M74	X	0	0	0	%100
60	M74	Z	0	0	0	%100
61	M75	X	0	0	0	%100
62	M75	Z	0	0	0	%100
63	M78	X	7.605	7.605	0	%100
64	M78	Z	0	0	0	%100
65	M79	X	7.606	7.606	0	%100
66	M79	Z	0	0	0	%100
67	M84	X	18.742	18.742	0	%100
68	M84	Z	0	0	0	%100
69	M85	X	14.229	14.229	0	%100
70	M85	Z	0	0	0	%100
71	M87A	X	14.747	14.747	0	%100
72	M87A	Z	0	0	0	%100
73	M89A	X	18.742	18.742	0	%100
74	M89A	Z	0	0	0	%100
75	M90A	X	14.229	14.229	0	%100
76	M90A	Z	0	0	0	%100
77	M92	X	14.747	14.747	0	%100
78	M92	Z	0	0	0	%100
79	M71B	X	6.836	6.836	0	%100
80	M71B	Z	0	0	0	%100
81	M72B	X	12.936	12.936	0	%100
82	M72B	Z	0	0	0	%100
83	M73A	X	6.836	6.836	0	%100
84	M73A	Z	0	0	0	%100
85	MP4A	X	8.926	8.926	0	%100
86	MP4A	Z	0	0	0	%100
87	MP3A	X	8.926	8.926	0	%100
88	MP3A	Z	0	0	0	%100
89	MP2A	X	8.926	8.926	0	%100
90	MP2A	Z	0	0	0	%100
91	MP1A	X	8.926	8.926	0	%100
92	MP1A	Z	0	0	0	%100
93	MP4B	X	8.926	8.926	0	%100
94	MP4B	Z	0	0	0	%100
95	MP3B	X	8.926	8.926	0	%100
96	MP3B	Z	0	0	0	%100
97	MP2B	X	8.926	8.926	0	%100
98	MP2B	Z	0	0	0	%100
99	MP1B	X	8.926	8.926	0	%100
100	MP1B	Z	0	0	0	%100
101	OVP2	X	5.34	5.34	0	%100
102	OVP2	Z	0	0	0	%100
103	OVP1	X	5.34	5.34	0	%100
104	OVP1	Z	0	0	0	%100
105	MP4C	X	8.926	8.926	0	%100
106	MP4C	Z	0	0	0	%100
107	MP3C	X	8.926	8.926	0	%100
108	MP3C	Z	0	0	0	%100
109	MP2C	X	8.926	8.926	0	%100
110	MP2C	Z	0	0	0	%100
111	MP1C	X	8.926	8.926	0	%100
112	MP1C	Z	0	0	0	%100
113	M101	X	0	0	0	%100
114	M101	Z	0	0	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,%]
115	M108	X	6.694	6.694	0	%100
116	M108	Z	0	0	0	%100
117	M115	X	6.694	6.694	0	%100
118	M115	Z	0	0	0	%100
119	M122	X	8.67	8.67	0	%100
120	M122	Z	0	0	0	%100
121	M123	X	0	0	0	%100
122	M123	Z	0	0	0	%100
123	M124	X	8.67	8.67	0	%100
124	M124	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	M13	X	7.732	7.732	0	%100
2	M13	Z	4.464	4.464	0	%100
3	M20	X	2.353	2.353	0	%100
4	M20	Z	1.358	1.358	0	%100
5	M32	X	2.353	2.353	0	%100
6	M32	Z	1.358	1.358	0	%100
7	M33A	X	9.41	9.41	0	%100
8	M33A	Z	5.433	5.433	0	%100
9	M41A	X	2.026	2.026	0	%100
10	M41A	Z	1.17	1.17	0	%100
11	M42_1	X	2.026	2.026	0	%100
12	M42_1	Z	1.17	1.17	0	%100
13	M43A_1	X	4.033	4.033	0	%100
14	M43A_1	Z	2.328	2.328	0	%100
15	M46A	X	8.782	8.782	0	%100
16	M46A	Z	5.07	5.07	0	%100
17	M47	X	2.196	2.196	0	%100
18	M47	Z	1.268	1.268	0	%100
19	M64	X	12.173	12.173	0	%100
20	M64	Z	7.028	7.028	0	%100
21	M65	X	4.108	4.108	0	%100
22	M65	Z	2.372	2.372	0	%100
23	M71	X	4.257	4.257	0	%100
24	M71	Z	2.458	2.458	0	%100
25	M86	X	12.173	12.173	0	%100
26	M86	Z	7.028	7.028	0	%100
27	M87	X	16.43	16.43	0	%100
28	M87	Z	9.486	9.486	0	%100
29	M90	X	17.028	17.028	0	%100
30	M90	Z	9.831	9.831	0	%100
31	M50A	X	0	0	0	%100
32	M50A	Z	0	0	0	%100
33	M51A	X	8.104	8.104	0	%100
34	M51A	Z	4.679	4.679	0	%100
35	M52	X	8.104	8.104	0	%100
36	M52	Z	4.679	4.679	0	%100
37	M53A	X	16.132	16.132	0	%100
38	M53A	Z	9.314	9.314	0	%100
39	M56	X	2.195	2.195	0	%100
40	M56	Z	1.268	1.268	0	%100
41	M57	X	2.196	2.196	0	%100
42	M57	Z	1.268	1.268	0	%100
43	M62	X	0	0	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,%]
44	M62	Z	0	0	0	%100
45	M63	X	4.108	4.108	0	%100
46	M63	Z	2.372	2.372	0	%100
47	M65A	X	4.257	4.257	0	%100
48	M65A	Z	2.458	2.458	0	%100
49	M67	X	0	0	0	%100
50	M67	Z	0	0	0	%100
51	M68A	X	4.108	4.108	0	%100
52	M68A	Z	2.372	2.372	0	%100
53	M70	X	4.257	4.257	0	%100
54	M70	Z	2.458	2.458	0	%100
55	M72A	X	7.732	7.732	0	%100
56	M72A	Z	4.464	4.464	0	%100
57	M73	X	2.026	2.026	0	%100
58	M73	Z	1.17	1.17	0	%100
59	M74	X	2.026	2.026	0	%100
60	M74	Z	1.17	1.17	0	%100
61	M75	X	4.033	4.033	0	%100
62	M75	Z	2.328	2.328	0	%100
63	M78	X	2.195	2.195	0	%100
64	M78	Z	1.268	1.268	0	%100
65	M79	X	8.783	8.783	0	%100
66	M79	Z	5.071	5.071	0	%100
67	M84	X	12.173	12.173	0	%100
68	M84	Z	7.028	7.028	0	%100
69	M85	X	16.43	16.43	0	%100
70	M85	Z	9.486	9.486	0	%100
71	M87A	X	17.028	17.028	0	%100
72	M87A	Z	9.831	9.831	0	%100
73	M89A	X	12.173	12.173	0	%100
74	M89A	Z	7.028	7.028	0	%100
75	M90A	X	4.108	4.108	0	%100
76	M90A	Z	2.372	2.372	0	%100
77	M92	X	4.257	4.257	0	%100
78	M92	Z	2.458	2.458	0	%100
79	M71B	X	9.442	9.442	0	%100
80	M71B	Z	5.451	5.451	0	%100
81	M72B	X	9.442	9.442	0	%100
82	M72B	Z	5.451	5.451	0	%100
83	M73A	X	4.159	4.159	0	%100
84	M73A	Z	2.401	2.401	0	%100
85	MP4A	X	7.73	7.73	0	%100
86	MP4A	Z	4.463	4.463	0	%100
87	MP3A	X	7.73	7.73	0	%100
88	MP3A	Z	4.463	4.463	0	%100
89	MP2A	X	7.73	7.73	0	%100
90	MP2A	Z	4.463	4.463	0	%100
91	MP1A	X	7.73	7.73	0	%100
92	MP1A	Z	4.463	4.463	0	%100
93	MP4B	X	7.73	7.73	0	%100
94	MP4B	Z	4.463	4.463	0	%100
95	MP3B	X	7.73	7.73	0	%100
96	MP3B	Z	4.463	4.463	0	%100
97	MP2B	X	7.73	7.73	0	%100
98	MP2B	Z	4.463	4.463	0	%100
99	MP1B	X	7.73	7.73	0	%100
100	MP1B	Z	4.463	4.463	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,%]
101	OVP2	X	4.624	4.624	0	%100
102	OVP2	Z	2.67	2.67	0	%100
103	OVP1	X	4.624	4.624	0	%100
104	OVP1	Z	2.67	2.67	0	%100
105	MP4C	X	7.73	7.73	0	%100
106	MP4C	Z	4.463	4.463	0	%100
107	MP3C	X	7.73	7.73	0	%100
108	MP3C	Z	4.463	4.463	0	%100
109	MP2C	X	7.73	7.73	0	%100
110	MP2C	Z	4.463	4.463	0	%100
111	MP1C	X	7.73	7.73	0	%100
112	MP1C	Z	4.463	4.463	0	%100
113	M101	X	1.932	1.932	0	%100
114	M101	Z	1.116	1.116	0	%100
115	M108	X	1.932	1.932	0	%100
116	M108	Z	1.116	1.116	0	%100
117	M115	X	7.73	7.73	0	%100
118	M115	Z	4.463	4.463	0	%100
119	M122	X	2.503	2.503	0	%100
120	M122	Z	1.445	1.445	0	%100
121	M123	X	2.503	2.503	0	%100
122	M123	Z	1.445	1.445	0	%100
123	M124	X	10.011	10.011	0	%100
124	M124	Z	5.78	5.78	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	M13	X	5.952	5.952	0	%100
2	M13	Z	10.309	10.309	0	%100
3	M20	X	4.075	4.075	0	%100
4	M20	Z	7.058	7.058	0	%100
5	M32	X	0	0	0	%100
6	M32	Z	0	0	0	%100
7	M33A	X	4.075	4.075	0	%100
8	M33A	Z	7.058	7.058	0	%100
9	M41A	X	0	0	0	%100
10	M41A	Z	0	0	0	%100
11	M42_1	X	0	0	0	%100
12	M42_1	Z	0	0	0	%100
13	M43A_1	X	0	0	0	%100
14	M43A_1	Z	0	0	0	%100
15	M46A	X	3.803	3.803	0	%100
16	M46A	Z	6.586	6.586	0	%100
17	M47	X	3.803	3.803	0	%100
18	M47	Z	6.587	6.587	0	%100
19	M64	X	9.371	9.371	0	%100
20	M64	Z	16.231	16.231	0	%100
21	M65	X	7.115	7.115	0	%100
22	M65	Z	12.323	12.323	0	%100
23	M71	X	7.373	7.373	0	%100
24	M71	Z	12.771	12.771	0	%100
25	M86	X	9.371	9.371	0	%100
26	M86	Z	16.231	16.231	0	%100
27	M87	X	7.115	7.115	0	%100
28	M87	Z	12.323	12.323	0	%100
29	M90	X	7.373	7.373	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,%]
30	M90	Z	12.771	12.771	0	%100
31	M50A	X	1.488	1.488	0	%100
32	M50A	Z	2.577	2.577	0	%100
33	M51A	X	3.509	3.509	0	%100
34	M51A	Z	6.078	6.078	0	%100
35	M52	X	3.509	3.509	0	%100
36	M52	Z	6.078	6.078	0	%100
37	M53A	X	6.985	6.985	0	%100
38	M53A	Z	12.099	12.099	0	%100
39	M56	X	3.803	3.803	0	%100
40	M56	Z	6.586	6.586	0	%100
41	M57	X	0	0	0	%100
42	M57	Z	0	0	0	%100
43	M62	X	2.343	2.343	0	%100
44	M62	Z	4.058	4.058	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	0	0	0	%100
47	M65A	X	0	0	0	%100
48	M65A	Z	0	0	0	%100
49	M67	X	2.343	2.343	0	%100
50	M67	Z	4.058	4.058	0	%100
51	M68A	X	7.115	7.115	0	%100
52	M68A	Z	12.323	12.323	0	%100
53	M70	X	7.373	7.373	0	%100
54	M70	Z	12.771	12.771	0	%100
55	M72A	X	1.488	1.488	0	%100
56	M72A	Z	2.577	2.577	0	%100
57	M73	X	3.509	3.509	0	%100
58	M73	Z	6.078	6.078	0	%100
59	M74	X	3.509	3.509	0	%100
60	M74	Z	6.078	6.078	0	%100
61	M75	X	6.985	6.985	0	%100
62	M75	Z	12.099	12.099	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79	X	3.803	3.803	0	%100
66	M79	Z	6.587	6.587	0	%100
67	M84	X	2.343	2.343	0	%100
68	M84	Z	4.058	4.058	0	%100
69	M85	X	7.115	7.115	0	%100
70	M85	Z	12.323	12.323	0	%100
71	M87A	X	7.373	7.373	0	%100
72	M87A	Z	12.771	12.771	0	%100
73	M89A	X	2.343	2.343	0	%100
74	M89A	Z	4.058	4.058	0	%100
75	M90A	X	0	0	0	%100
76	M90A	Z	0	0	0	%100
77	M92	X	0	0	0	%100
78	M92	Z	0	0	0	%100
79	M71B	X	6.468	6.468	0	%100
80	M71B	Z	11.203	11.203	0	%100
81	M72B	X	3.418	3.418	0	%100
82	M72B	Z	5.92	5.92	0	%100
83	M73A	X	3.418	3.418	0	%100
84	M73A	Z	5.92	5.92	0	%100
85	MP4A	X	4.463	4.463	0	%100
86	MP4A	Z	7.73	7.73	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,%]
87	MP3A	X	4.463	4.463	0	%100
88	MP3A	Z	7.73	7.73	0	%100
89	MP2A	X	4.463	4.463	0	%100
90	MP2A	Z	7.73	7.73	0	%100
91	MP1A	X	4.463	4.463	0	%100
92	MP1A	Z	7.73	7.73	0	%100
93	MP4B	X	4.463	4.463	0	%100
94	MP4B	Z	7.73	7.73	0	%100
95	MP3B	X	4.463	4.463	0	%100
96	MP3B	Z	7.73	7.73	0	%100
97	MP2B	X	4.463	4.463	0	%100
98	MP2B	Z	7.73	7.73	0	%100
99	MP1B	X	4.463	4.463	0	%100
100	MP1B	Z	7.73	7.73	0	%100
101	OVP2	X	2.67	2.67	0	%100
102	OVP2	Z	4.624	4.624	0	%100
103	OVP1	X	2.67	2.67	0	%100
104	OVP1	Z	4.624	4.624	0	%100
105	MP4C	X	4.463	4.463	0	%100
106	MP4C	Z	7.73	7.73	0	%100
107	MP3C	X	4.463	4.463	0	%100
108	MP3C	Z	7.73	7.73	0	%100
109	MP2C	X	4.463	4.463	0	%100
110	MP2C	Z	7.73	7.73	0	%100
111	MP1C	X	4.463	4.463	0	%100
112	MP1C	Z	7.73	7.73	0	%100
113	M101	X	3.347	3.347	0	%100
114	M101	Z	5.797	5.797	0	%100
115	M108	X	0	0	0	%100
116	M108	Z	0	0	0	%100
117	M115	X	3.347	3.347	0	%100
118	M115	Z	5.797	5.797	0	%100
119	M122	X	0	0	0	%100
120	M122	Z	0	0	0	%100
121	M123	X	4.335	4.335	0	%100
122	M123	Z	7.509	7.509	0	%100
123	M124	X	4.335	4.335	0	%100
124	M124	Z	7.509	7.509	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	M13	X	0	0	0	%100
2	M13	Z	8.928	8.928	0	%100
3	M20	X	0	0	0	%100
4	M20	Z	10.866	10.866	0	%100
5	M32	X	0	0	0	%100
6	M32	Z	2.716	2.716	0	%100
7	M33A	X	0	0	0	%100
8	M33A	Z	2.716	2.716	0	%100
9	M41A	X	0	0	0	%100
10	M41A	Z	2.339	2.339	0	%100
11	M42_1	X	0	0	0	%100
12	M42_1	Z	2.339	2.339	0	%100
13	M43A_1	X	0	0	0	%100
14	M43A_1	Z	4.657	4.657	0	%100
15	M46A	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,%]
16	M46A	Z	2.535	2.535	0	%100
17	M47	X	0	0	0	%100
18	M47	Z	10.142	10.142	0	%100
19	M64	X	0	0	0	%100
20	M64	Z	14.057	14.057	0	%100
21	M65	X	0	0	0	%100
22	M65	Z	18.972	18.972	0	%100
23	M71	X	0	0	0	%100
24	M71	Z	19.662	19.662	0	%100
25	M86	X	0	0	0	%100
26	M86	Z	14.057	14.057	0	%100
27	M87	X	0	0	0	%100
28	M87	Z	4.743	4.743	0	%100
29	M90	X	0	0	0	%100
30	M90	Z	4.916	4.916	0	%100
31	M50A	X	0	0	0	%100
32	M50A	Z	8.928	8.928	0	%100
33	M51A	X	0	0	0	%100
34	M51A	Z	2.339	2.339	0	%100
35	M52	X	0	0	0	%100
36	M52	Z	2.339	2.339	0	%100
37	M53A	X	0	0	0	%100
38	M53A	Z	4.657	4.657	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	10.14	10.14	0	%100
41	M57	X	0	0	0	%100
42	M57	Z	2.535	2.535	0	%100
43	M62	X	0	0	0	%100
44	M62	Z	14.057	14.057	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	4.743	4.743	0	%100
47	M65A	X	0	0	0	%100
48	M65A	Z	4.916	4.916	0	%100
49	M67	X	0	0	0	%100
50	M67	Z	14.057	14.057	0	%100
51	M68A	X	0	0	0	%100
52	M68A	Z	18.972	18.972	0	%100
53	M70	X	0	0	0	%100
54	M70	Z	19.662	19.662	0	%100
55	M72A	X	0	0	0	%100
56	M72A	Z	0	0	0	%100
57	M73	X	0	0	0	%100
58	M73	Z	9.358	9.358	0	%100
59	M74	X	0	0	0	%100
60	M74	Z	9.358	9.358	0	%100
61	M75	X	0	0	0	%100
62	M75	Z	18.627	18.627	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	2.535	2.535	0	%100
65	M79	X	0	0	0	%100
66	M79	Z	2.535	2.535	0	%100
67	M84	X	0	0	0	%100
68	M84	Z	0	0	0	%100
69	M85	X	0	0	0	%100
70	M85	Z	4.743	4.743	0	%100
71	M87A	X	0	0	0	%100
72	M87A	Z	4.916	4.916	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,%]
73	M89A	X	0	0	0	%100
74	M89A	Z	0	0	0	%100
75	M90A	X	0	0	0	%100
76	M90A	Z	4.743	4.743	0	%100
77	M92	X	0	0	0	%100
78	M92	Z	4.916	4.916	0	%100
79	M71B	X	0	0	0	%100
80	M71B	Z	10.902	10.902	0	%100
81	M72B	X	0	0	0	%100
82	M72B	Z	4.803	4.803	0	%100
83	M73A	X	0	0	0	%100
84	M73A	Z	10.902	10.902	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	8.926	8.926	0	%100
87	MP3A	X	0	0	0	%100
88	MP3A	Z	8.926	8.926	0	%100
89	MP2A	X	0	0	0	%100
90	MP2A	Z	8.926	8.926	0	%100
91	MP1A	X	0	0	0	%100
92	MP1A	Z	8.926	8.926	0	%100
93	MP4B	X	0	0	0	%100
94	MP4B	Z	8.926	8.926	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	8.926	8.926	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	8.926	8.926	0	%100
99	MP1B	X	0	0	0	%100
100	MP1B	Z	8.926	8.926	0	%100
101	OVP2	X	0	0	0	%100
102	OVP2	Z	5.34	5.34	0	%100
103	OVP1	X	0	0	0	%100
104	OVP1	Z	5.34	5.34	0	%100
105	MP4C	X	0	0	0	%100
106	MP4C	Z	8.926	8.926	0	%100
107	MP3C	X	0	0	0	%100
108	MP3C	Z	8.926	8.926	0	%100
109	MP2C	X	0	0	0	%100
110	MP2C	Z	8.926	8.926	0	%100
111	MP1C	X	0	0	0	%100
112	MP1C	Z	8.926	8.926	0	%100
113	M101	X	0	0	0	%100
114	M101	Z	8.926	8.926	0	%100
115	M108	X	0	0	0	%100
116	M108	Z	2.231	2.231	0	%100
117	M115	X	0	0	0	%100
118	M115	Z	2.231	2.231	0	%100
119	M122	X	0	0	0	%100
120	M122	Z	2.89	2.89	0	%100
121	M123	X	0	0	0	%100
122	M123	Z	11.56	11.56	0	%100
123	M124	X	0	0	0	%100
124	M124	Z	2.89	2.89	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	M13	X	-1.488	-1.488	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,%]
2	M13	Z	2.577	2.577	0	%100
3	M20	X	-4.075	-4.075	0	%100
4	M20	Z	7.058	7.058	0	%100
5	M32	X	-4.075	-4.075	0	%100
6	M32	Z	7.058	7.058	0	%100
7	M33A	X	0	0	0	%100
8	M33A	Z	0	0	0	%100
9	M41A	X	-3.509	-3.509	0	%100
10	M41A	Z	6.078	6.078	0	%100
11	M42_1	X	-3.509	-3.509	0	%100
12	M42_1	Z	6.078	6.078	0	%100
13	M43A_1	X	-6.985	-6.985	0	%100
14	M43A_1	Z	12.099	12.099	0	%100
15	M46A	X	0	0	0	%100
16	M46A	Z	0	0	0	%100
17	M47	X	-3.803	-3.803	0	%100
18	M47	Z	6.587	6.587	0	%100
19	M64	X	-2.343	-2.343	0	%100
20	M64	Z	4.058	4.058	0	%100
21	M65	X	-7.115	-7.115	0	%100
22	M65	Z	12.323	12.323	0	%100
23	M71	X	-7.373	-7.373	0	%100
24	M71	Z	12.771	12.771	0	%100
25	M86	X	-2.343	-2.343	0	%100
26	M86	Z	4.058	4.058	0	%100
27	M87	X	0	0	0	%100
28	M87	Z	0	0	0	%100
29	M90	X	0	0	0	%100
30	M90	Z	0	0	0	%100
31	M50A	X	-5.952	-5.952	0	%100
32	M50A	Z	10.309	10.309	0	%100
33	M51A	X	0	0	0	%100
34	M51A	Z	0	0	0	%100
35	M52	X	0	0	0	%100
36	M52	Z	0	0	0	%100
37	M53A	X	0	0	0	%100
38	M53A	Z	0	0	0	%100
39	M56	X	-3.803	-3.803	0	%100
40	M56	Z	6.586	6.586	0	%100
41	M57	X	-3.803	-3.803	0	%100
42	M57	Z	6.587	6.587	0	%100
43	M62	X	-9.371	-9.371	0	%100
44	M62	Z	16.231	16.231	0	%100
45	M63	X	-7.115	-7.115	0	%100
46	M63	Z	12.323	12.323	0	%100
47	M65A	X	-7.373	-7.373	0	%100
48	M65A	Z	12.771	12.771	0	%100
49	M67	X	-9.371	-9.371	0	%100
50	M67	Z	16.231	16.231	0	%100
51	M68A	X	-7.115	-7.115	0	%100
52	M68A	Z	12.323	12.323	0	%100
53	M70	X	-7.373	-7.373	0	%100
54	M70	Z	12.771	12.771	0	%100
55	M72A	X	-1.488	-1.488	0	%100
56	M72A	Z	2.577	2.577	0	%100
57	M73	X	-3.509	-3.509	0	%100
58	M73	Z	6.078	6.078	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,%]
59	M74	X	-3.509	-3.509	0	%100
60	M74	Z	6.078	6.078	0	%100
61	M75	X	-6.985	-6.985	0	%100
62	M75	Z	12.099	12.099	0	%100
63	M78	X	-3.803	-3.803	0	%100
64	M78	Z	6.586	6.586	0	%100
65	M79	X	0	0	0	%100
66	M79	Z	0	0	0	%100
67	M84	X	-2.343	-2.343	0	%100
68	M84	Z	4.058	4.058	0	%100
69	M85	X	0	0	0	%100
70	M85	Z	0	0	0	%100
71	M87A	X	0	0	0	%100
72	M87A	Z	0	0	0	%100
73	M89A	X	-2.343	-2.343	0	%100
74	M89A	Z	4.058	4.058	0	%100
75	M90A	X	-7.115	-7.115	0	%100
76	M90A	Z	12.323	12.323	0	%100
77	M92	X	-7.373	-7.373	0	%100
78	M92	Z	12.771	12.771	0	%100
79	M71B	X	-3.418	-3.418	0	%100
80	M71B	Z	5.92	5.92	0	%100
81	M72B	X	-3.418	-3.418	0	%100
82	M72B	Z	5.92	5.92	0	%100
83	M73A	X	-6.468	-6.468	0	%100
84	M73A	Z	11.203	11.203	0	%100
85	MP4A	X	-4.463	-4.463	0	%100
86	MP4A	Z	7.73	7.73	0	%100
87	MP3A	X	-4.463	-4.463	0	%100
88	MP3A	Z	7.73	7.73	0	%100
89	MP2A	X	-4.463	-4.463	0	%100
90	MP2A	Z	7.73	7.73	0	%100
91	MP1A	X	-4.463	-4.463	0	%100
92	MP1A	Z	7.73	7.73	0	%100
93	MP4B	X	-4.463	-4.463	0	%100
94	MP4B	Z	7.73	7.73	0	%100
95	MP3B	X	-4.463	-4.463	0	%100
96	MP3B	Z	7.73	7.73	0	%100
97	MP2B	X	-4.463	-4.463	0	%100
98	MP2B	Z	7.73	7.73	0	%100
99	MP1B	X	-4.463	-4.463	0	%100
100	MP1B	Z	7.73	7.73	0	%100
101	OVP2	X	-2.67	-2.67	0	%100
102	OVP2	Z	4.624	4.624	0	%100
103	OVP1	X	-2.67	-2.67	0	%100
104	OVP1	Z	4.624	4.624	0	%100
105	MP4C	X	-4.463	-4.463	0	%100
106	MP4C	Z	7.73	7.73	0	%100
107	MP3C	X	-4.463	-4.463	0	%100
108	MP3C	Z	7.73	7.73	0	%100
109	MP2C	X	-4.463	-4.463	0	%100
110	MP2C	Z	7.73	7.73	0	%100
111	MP1C	X	-4.463	-4.463	0	%100
112	MP1C	Z	7.73	7.73	0	%100
113	M101	X	-3.347	-3.347	0	%100
114	M101	Z	5.797	5.797	0	%100
115	M108	X	-3.347	-3.347	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,%]
116	M108	Z	5.797	5.797	0	%100
117	M115	X	0	0	0	%100
118	M115	Z	0	0	0	%100
119	M122	X	-4.335	-4.335	0	%100
120	M122	Z	7.509	7.509	0	%100
121	M123	X	-4.335	-4.335	0	%100
122	M123	Z	7.509	7.509	0	%100
123	M124	X	0	0	0	%100
124	M124	Z	0	0	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	M13	X	0	0	0	%100
2	M13	Z	0	0	0	%100
3	M20	X	-2.353	-2.353	0	%100
4	M20	Z	1.358	1.358	0	%100
5	M32	X	-9.41	-9.41	0	%100
6	M32	Z	5.433	5.433	0	%100
7	M33A	X	-2.353	-2.353	0	%100
8	M33A	Z	1.358	1.358	0	%100
9	M41A	X	-8.104	-8.104	0	%100
10	M41A	Z	4.679	4.679	0	%100
11	M42_1	X	-8.104	-8.104	0	%100
12	M42_1	Z	4.679	4.679	0	%100
13	M43A_1	X	-16.132	-16.132	0	%100
14	M43A_1	Z	9.314	9.314	0	%100
15	M46A	X	-2.195	-2.195	0	%100
16	M46A	Z	1.268	1.268	0	%100
17	M47	X	-2.196	-2.196	0	%100
18	M47	Z	1.268	1.268	0	%100
19	M64	X	0	0	0	%100
20	M64	Z	0	0	0	%100
21	M65	X	-4.108	-4.108	0	%100
22	M65	Z	2.372	2.372	0	%100
23	M71	X	-4.257	-4.257	0	%100
24	M71	Z	2.458	2.458	0	%100
25	M86	X	0	0	0	%100
26	M86	Z	0	0	0	%100
27	M87	X	-4.108	-4.108	0	%100
28	M87	Z	2.372	2.372	0	%100
29	M90	X	-4.257	-4.257	0	%100
30	M90	Z	2.458	2.458	0	%100
31	M50A	X	-7.732	-7.732	0	%100
32	M50A	Z	4.464	4.464	0	%100
33	M51A	X	-2.026	-2.026	0	%100
34	M51A	Z	1.17	1.17	0	%100
35	M52	X	-2.026	-2.026	0	%100
36	M52	Z	1.17	1.17	0	%100
37	M53A	X	-4.033	-4.033	0	%100
38	M53A	Z	2.328	2.328	0	%100
39	M56	X	-2.195	-2.195	0	%100
40	M56	Z	1.268	1.268	0	%100
41	M57	X	-8.783	-8.783	0	%100
42	M57	Z	5.071	5.071	0	%100
43	M62	X	-12.173	-12.173	0	%100
44	M62	Z	7.028	7.028	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,%]
45	M63	X	-16.43	-16.43	0	%100
46	M63	Z	9.486	9.486	0	%100
47	M65A	X	-17.028	-17.028	0	%100
48	M65A	Z	9.831	9.831	0	%100
49	M67	X	-12.173	-12.173	0	%100
50	M67	Z	7.028	7.028	0	%100
51	M68A	X	-4.108	-4.108	0	%100
52	M68A	Z	2.372	2.372	0	%100
53	M70	X	-4.257	-4.257	0	%100
54	M70	Z	2.458	2.458	0	%100
55	M72A	X	-7.732	-7.732	0	%100
56	M72A	Z	4.464	4.464	0	%100
57	M73	X	-2.026	-2.026	0	%100
58	M73	Z	1.17	1.17	0	%100
59	M74	X	-2.026	-2.026	0	%100
60	M74	Z	1.17	1.17	0	%100
61	M75	X	-4.033	-4.033	0	%100
62	M75	Z	2.328	2.328	0	%100
63	M78	X	-8.782	-8.782	0	%100
64	M78	Z	5.07	5.07	0	%100
65	M79	X	-2.196	-2.196	0	%100
66	M79	Z	1.268	1.268	0	%100
67	M84	X	-12.173	-12.173	0	%100
68	M84	Z	7.028	7.028	0	%100
69	M85	X	-4.108	-4.108	0	%100
70	M85	Z	2.372	2.372	0	%100
71	M87A	X	-4.257	-4.257	0	%100
72	M87A	Z	2.458	2.458	0	%100
73	M89A	X	-12.173	-12.173	0	%100
74	M89A	Z	7.028	7.028	0	%100
75	M90A	X	-16.43	-16.43	0	%100
76	M90A	Z	9.486	9.486	0	%100
77	M92	X	-17.028	-17.028	0	%100
78	M92	Z	9.831	9.831	0	%100
79	M71B	X	-4.159	-4.159	0	%100
80	M71B	Z	2.401	2.401	0	%100
81	M72B	X	-9.442	-9.442	0	%100
82	M72B	Z	5.451	5.451	0	%100
83	M73A	X	-9.442	-9.442	0	%100
84	M73A	Z	5.451	5.451	0	%100
85	MP4A	X	-7.73	-7.73	0	%100
86	MP4A	Z	4.463	4.463	0	%100
87	MP3A	X	-7.73	-7.73	0	%100
88	MP3A	Z	4.463	4.463	0	%100
89	MP2A	X	-7.73	-7.73	0	%100
90	MP2A	Z	4.463	4.463	0	%100
91	MP1A	X	-7.73	-7.73	0	%100
92	MP1A	Z	4.463	4.463	0	%100
93	MP4B	X	-7.73	-7.73	0	%100
94	MP4B	Z	4.463	4.463	0	%100
95	MP3B	X	-7.73	-7.73	0	%100
96	MP3B	Z	4.463	4.463	0	%100
97	MP2B	X	-7.73	-7.73	0	%100
98	MP2B	Z	4.463	4.463	0	%100
99	MP1B	X	-7.73	-7.73	0	%100
100	MP1B	Z	4.463	4.463	0	%100
101	OVP2	X	-4.624	-4.624	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,%]
102	OVP2	Z	2.67	2.67	0	%100
103	OVP1	X	-4.624	-4.624	0	%100
104	OVP1	Z	2.67	2.67	0	%100
105	MP4C	X	-7.73	-7.73	0	%100
106	MP4C	Z	4.463	4.463	0	%100
107	MP3C	X	-7.73	-7.73	0	%100
108	MP3C	Z	4.463	4.463	0	%100
109	MP2C	X	-7.73	-7.73	0	%100
110	MP2C	Z	4.463	4.463	0	%100
111	MP1C	X	-7.73	-7.73	0	%100
112	MP1C	Z	4.463	4.463	0	%100
113	M101	X	-1.932	-1.932	0	%100
114	M101	Z	1.116	1.116	0	%100
115	M108	X	-7.73	-7.73	0	%100
116	M108	Z	4.463	4.463	0	%100
117	M115	X	-1.932	-1.932	0	%100
118	M115	Z	1.116	1.116	0	%100
119	M122	X	-10.011	-10.011	0	%100
120	M122	Z	5.78	5.78	0	%100
121	M123	X	-2.503	-2.503	0	%100
122	M123	Z	1.445	1.445	0	%100
123	M124	X	-2.503	-2.503	0	%100
124	M124	Z	1.445	1.445	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	M13	X	-2.976	-2.976	0	%100
2	M13	Z	0	0	0	%100
3	M20	X	0	0	0	%100
4	M20	Z	0	0	0	%100
5	M32	X	-8.149	-8.149	0	%100
6	M32	Z	0	0	0	%100
7	M33A	X	-8.149	-8.149	0	%100
8	M33A	Z	0	0	0	%100
9	M41A	X	-7.018	-7.018	0	%100
10	M41A	Z	0	0	0	%100
11	M42_1	X	-7.018	-7.018	0	%100
12	M42_1	Z	0	0	0	%100
13	M43A_1	X	-13.97	-13.97	0	%100
14	M43A_1	Z	0	0	0	%100
15	M46A	X	-7.605	-7.605	0	%100
16	M46A	Z	0	0	0	%100
17	M47	X	0	0	0	%100
18	M47	Z	0	0	0	%100
19	M64	X	-4.686	-4.686	0	%100
20	M64	Z	0	0	0	%100
21	M65	X	0	0	0	%100
22	M65	Z	0	0	0	%100
23	M71	X	0	0	0	%100
24	M71	Z	0	0	0	%100
25	M86	X	-4.686	-4.686	0	%100
26	M86	Z	0	0	0	%100
27	M87	X	-14.229	-14.229	0	%100
28	M87	Z	0	0	0	%100
29	M90	X	-14.747	-14.747	0	%100
30	M90	Z	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,%]
31	M50A	X	-2.976	-2.976	0	%100
32	M50A	Z	0	0	0	%100
33	M51A	X	-7.018	-7.018	0	%100
34	M51A	Z	0	0	0	%100
35	M52	X	-7.018	-7.018	0	%100
36	M52	Z	0	0	0	%100
37	M53A	X	-13.97	-13.97	0	%100
38	M53A	Z	0	0	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	0	0	0	%100
41	M57	X	-7.606	-7.606	0	%100
42	M57	Z	0	0	0	%100
43	M62	X	-4.686	-4.686	0	%100
44	M62	Z	0	0	0	%100
45	M63	X	-14.229	-14.229	0	%100
46	M63	Z	0	0	0	%100
47	M65A	X	-14.747	-14.747	0	%100
48	M65A	Z	0	0	0	%100
49	M67	X	-4.686	-4.686	0	%100
50	M67	Z	0	0	0	%100
51	M68A	X	0	0	0	%100
52	M68A	Z	0	0	0	%100
53	M70	X	0	0	0	%100
54	M70	Z	0	0	0	%100
55	M72A	X	-11.904	-11.904	0	%100
56	M72A	Z	0	0	0	%100
57	M73	X	0	0	0	%100
58	M73	Z	0	0	0	%100
59	M74	X	0	0	0	%100
60	M74	Z	0	0	0	%100
61	M75	X	0	0	0	%100
62	M75	Z	0	0	0	%100
63	M78	X	-7.605	-7.605	0	%100
64	M78	Z	0	0	0	%100
65	M79	X	-7.606	-7.606	0	%100
66	M79	Z	0	0	0	%100
67	M84	X	-18.742	-18.742	0	%100
68	M84	Z	0	0	0	%100
69	M85	X	-14.229	-14.229	0	%100
70	M85	Z	0	0	0	%100
71	M87A	X	-14.747	-14.747	0	%100
72	M87A	Z	0	0	0	%100
73	M89A	X	-18.742	-18.742	0	%100
74	M89A	Z	0	0	0	%100
75	M90A	X	-14.229	-14.229	0	%100
76	M90A	Z	0	0	0	%100
77	M92	X	-14.747	-14.747	0	%100
78	M92	Z	0	0	0	%100
79	M71B	X	-6.836	-6.836	0	%100
80	M71B	Z	0	0	0	%100
81	M72B	X	-12.936	-12.936	0	%100
82	M72B	Z	0	0	0	%100
83	M73A	X	-6.836	-6.836	0	%100
84	M73A	Z	0	0	0	%100
85	MP4A	X	-8.926	-8.926	0	%100
86	MP4A	Z	0	0	0	%100
87	MP3A	X	-8.926	-8.926	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,%]
88	MP3A	Z	0	0	0	%100
89	MP2A	X	-8.926	-8.926	0	%100
90	MP2A	Z	0	0	0	%100
91	MP1A	X	-8.926	-8.926	0	%100
92	MP1A	Z	0	0	0	%100
93	MP4B	X	-8.926	-8.926	0	%100
94	MP4B	Z	0	0	0	%100
95	MP3B	X	-8.926	-8.926	0	%100
96	MP3B	Z	0	0	0	%100
97	MP2B	X	-8.926	-8.926	0	%100
98	MP2B	Z	0	0	0	%100
99	MP1B	X	-8.926	-8.926	0	%100
100	MP1B	Z	0	0	0	%100
101	OVP2	X	-5.34	-5.34	0	%100
102	OVP2	Z	0	0	0	%100
103	OVP1	X	-5.34	-5.34	0	%100
104	OVP1	Z	0	0	0	%100
105	MP4C	X	-8.926	-8.926	0	%100
106	MP4C	Z	0	0	0	%100
107	MP3C	X	-8.926	-8.926	0	%100
108	MP3C	Z	0	0	0	%100
109	MP2C	X	-8.926	-8.926	0	%100
110	MP2C	Z	0	0	0	%100
111	MP1C	X	-8.926	-8.926	0	%100
112	MP1C	Z	0	0	0	%100
113	M101	X	0	0	0	%100
114	M101	Z	0	0	0	%100
115	M108	X	-6.694	-6.694	0	%100
116	M108	Z	0	0	0	%100
117	M115	X	-6.694	-6.694	0	%100
118	M115	Z	0	0	0	%100
119	M122	X	-8.67	-8.67	0	%100
120	M122	Z	0	0	0	%100
121	M123	X	0	0	0	%100
122	M123	Z	0	0	0	%100
123	M124	X	-8.67	-8.67	0	%100
124	M124	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	M13	X	-7.732	-7.732	0	%100
2	M13	Z	-4.464	-4.464	0	%100
3	M20	X	-2.353	-2.353	0	%100
4	M20	Z	-1.358	-1.358	0	%100
5	M32	X	-2.353	-2.353	0	%100
6	M32	Z	-1.358	-1.358	0	%100
7	M33A	X	-9.41	-9.41	0	%100
8	M33A	Z	-5.433	-5.433	0	%100
9	M41A	X	-2.026	-2.026	0	%100
10	M41A	Z	-1.17	-1.17	0	%100
11	M42_1	X	-2.026	-2.026	0	%100
12	M42_1	Z	-1.17	-1.17	0	%100
13	M43A_1	X	-4.033	-4.033	0	%100
14	M43A_1	Z	-2.328	-2.328	0	%100
15	M46A	X	-8.782	-8.782	0	%100
16	M46A	Z	-5.07	-5.07	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,%]
17	M47	X	-2.196	-2.196	0	%100
18	M47	Z	-1.268	-1.268	0	%100
19	M64	X	-12.173	-12.173	0	%100
20	M64	Z	-7.028	-7.028	0	%100
21	M65	X	-4.108	-4.108	0	%100
22	M65	Z	-2.372	-2.372	0	%100
23	M71	X	-4.257	-4.257	0	%100
24	M71	Z	-2.458	-2.458	0	%100
25	M86	X	-12.173	-12.173	0	%100
26	M86	Z	-7.028	-7.028	0	%100
27	M87	X	-16.43	-16.43	0	%100
28	M87	Z	-9.486	-9.486	0	%100
29	M90	X	-17.028	-17.028	0	%100
30	M90	Z	-9.831	-9.831	0	%100
31	M50A	X	0	0	0	%100
32	M50A	Z	0	0	0	%100
33	M51A	X	-8.104	-8.104	0	%100
34	M51A	Z	-4.679	-4.679	0	%100
35	M52	X	-8.104	-8.104	0	%100
36	M52	Z	-4.679	-4.679	0	%100
37	M53A	X	-16.132	-16.132	0	%100
38	M53A	Z	-9.314	-9.314	0	%100
39	M56	X	-2.195	-2.195	0	%100
40	M56	Z	-1.268	-1.268	0	%100
41	M57	X	-2.196	-2.196	0	%100
42	M57	Z	-1.268	-1.268	0	%100
43	M62	X	0	0	0	%100
44	M62	Z	0	0	0	%100
45	M63	X	-4.108	-4.108	0	%100
46	M63	Z	-2.372	-2.372	0	%100
47	M65A	X	-4.257	-4.257	0	%100
48	M65A	Z	-2.458	-2.458	0	%100
49	M67	X	0	0	0	%100
50	M67	Z	0	0	0	%100
51	M68A	X	-4.108	-4.108	0	%100
52	M68A	Z	-2.372	-2.372	0	%100
53	M70	X	-4.257	-4.257	0	%100
54	M70	Z	-2.458	-2.458	0	%100
55	M72A	X	-7.732	-7.732	0	%100
56	M72A	Z	-4.464	-4.464	0	%100
57	M73	X	-2.026	-2.026	0	%100
58	M73	Z	-1.17	-1.17	0	%100
59	M74	X	-2.026	-2.026	0	%100
60	M74	Z	-1.17	-1.17	0	%100
61	M75	X	-4.033	-4.033	0	%100
62	M75	Z	-2.328	-2.328	0	%100
63	M78	X	-2.195	-2.195	0	%100
64	M78	Z	-1.268	-1.268	0	%100
65	M79	X	-8.783	-8.783	0	%100
66	M79	Z	-5.071	-5.071	0	%100
67	M84	X	-12.173	-12.173	0	%100
68	M84	Z	-7.028	-7.028	0	%100
69	M85	X	-16.43	-16.43	0	%100
70	M85	Z	-9.486	-9.486	0	%100
71	M87A	X	-17.028	-17.028	0	%100
72	M87A	Z	-9.831	-9.831	0	%100
73	M89A	X	-12.173	-12.173	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,%]
74	M89A	Z	-7.028	-7.028	0	%100
75	M90A	X	-4.108	-4.108	0	%100
76	M90A	Z	-2.372	-2.372	0	%100
77	M92	X	-4.257	-4.257	0	%100
78	M92	Z	-2.458	-2.458	0	%100
79	M71B	X	-9.442	-9.442	0	%100
80	M71B	Z	-5.451	-5.451	0	%100
81	M72B	X	-9.442	-9.442	0	%100
82	M72B	Z	-5.451	-5.451	0	%100
83	M73A	X	-4.159	-4.159	0	%100
84	M73A	Z	-2.401	-2.401	0	%100
85	MP4A	X	-7.73	-7.73	0	%100
86	MP4A	Z	-4.463	-4.463	0	%100
87	MP3A	X	-7.73	-7.73	0	%100
88	MP3A	Z	-4.463	-4.463	0	%100
89	MP2A	X	-7.73	-7.73	0	%100
90	MP2A	Z	-4.463	-4.463	0	%100
91	MP1A	X	-7.73	-7.73	0	%100
92	MP1A	Z	-4.463	-4.463	0	%100
93	MP4B	X	-7.73	-7.73	0	%100
94	MP4B	Z	-4.463	-4.463	0	%100
95	MP3B	X	-7.73	-7.73	0	%100
96	MP3B	Z	-4.463	-4.463	0	%100
97	MP2B	X	-7.73	-7.73	0	%100
98	MP2B	Z	-4.463	-4.463	0	%100
99	MP1B	X	-7.73	-7.73	0	%100
100	MP1B	Z	-4.463	-4.463	0	%100
101	OVP2	X	-4.624	-4.624	0	%100
102	OVP2	Z	-2.67	-2.67	0	%100
103	OVP1	X	-4.624	-4.624	0	%100
104	OVP1	Z	-2.67	-2.67	0	%100
105	MP4C	X	-7.73	-7.73	0	%100
106	MP4C	Z	-4.463	-4.463	0	%100
107	MP3C	X	-7.73	-7.73	0	%100
108	MP3C	Z	-4.463	-4.463	0	%100
109	MP2C	X	-7.73	-7.73	0	%100
110	MP2C	Z	-4.463	-4.463	0	%100
111	MP1C	X	-7.73	-7.73	0	%100
112	MP1C	Z	-4.463	-4.463	0	%100
113	M101	X	-1.932	-1.932	0	%100
114	M101	Z	-1.116	-1.116	0	%100
115	M108	X	-1.932	-1.932	0	%100
116	M108	Z	-1.116	-1.116	0	%100
117	M115	X	-7.73	-7.73	0	%100
118	M115	Z	-4.463	-4.463	0	%100
119	M122	X	-2.503	-2.503	0	%100
120	M122	Z	-1.445	-1.445	0	%100
121	M123	X	-2.503	-2.503	0	%100
122	M123	Z	-1.445	-1.445	0	%100
123	M124	X	-10.011	-10.011	0	%100
124	M124	Z	-5.78	-5.78	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	M13	X	-5.952	-5.952	0	%100
2	M13	Z	-10.309	-10.309	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,%]
3	M20	X	-4.075	-4.075	0	%100
4	M20	Z	-7.058	-7.058	0	%100
5	M32	X	0	0	0	%100
6	M32	Z	0	0	0	%100
7	M33A	X	-4.075	-4.075	0	%100
8	M33A	Z	-7.058	-7.058	0	%100
9	M41A	X	0	0	0	%100
10	M41A	Z	0	0	0	%100
11	M42_1	X	0	0	0	%100
12	M42_1	Z	0	0	0	%100
13	M43A_1	X	0	0	0	%100
14	M43A_1	Z	0	0	0	%100
15	M46A	X	-3.803	-3.803	0	%100
16	M46A	Z	-6.586	-6.586	0	%100
17	M47	X	-3.803	-3.803	0	%100
18	M47	Z	-6.587	-6.587	0	%100
19	M64	X	-9.371	-9.371	0	%100
20	M64	Z	-16.231	-16.231	0	%100
21	M65	X	-7.115	-7.115	0	%100
22	M65	Z	-12.323	-12.323	0	%100
23	M71	X	-7.373	-7.373	0	%100
24	M71	Z	-12.771	-12.771	0	%100
25	M86	X	-9.371	-9.371	0	%100
26	M86	Z	-16.231	-16.231	0	%100
27	M87	X	-7.115	-7.115	0	%100
28	M87	Z	-12.323	-12.323	0	%100
29	M90	X	-7.373	-7.373	0	%100
30	M90	Z	-12.771	-12.771	0	%100
31	M50A	X	-1.488	-1.488	0	%100
32	M50A	Z	-2.577	-2.577	0	%100
33	M51A	X	-3.509	-3.509	0	%100
34	M51A	Z	-6.078	-6.078	0	%100
35	M52	X	-3.509	-3.509	0	%100
36	M52	Z	-6.078	-6.078	0	%100
37	M53A	X	-6.985	-6.985	0	%100
38	M53A	Z	-12.099	-12.099	0	%100
39	M56	X	-3.803	-3.803	0	%100
40	M56	Z	-6.586	-6.586	0	%100
41	M57	X	0	0	0	%100
42	M57	Z	0	0	0	%100
43	M62	X	-2.343	-2.343	0	%100
44	M62	Z	-4.058	-4.058	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	0	0	0	%100
47	M65A	X	0	0	0	%100
48	M65A	Z	0	0	0	%100
49	M67	X	-2.343	-2.343	0	%100
50	M67	Z	-4.058	-4.058	0	%100
51	M68A	X	-7.115	-7.115	0	%100
52	M68A	Z	-12.323	-12.323	0	%100
53	M70	X	-7.373	-7.373	0	%100
54	M70	Z	-12.771	-12.771	0	%100
55	M72A	X	-1.488	-1.488	0	%100
56	M72A	Z	-2.577	-2.577	0	%100
57	M73	X	-3.509	-3.509	0	%100
58	M73	Z	-6.078	-6.078	0	%100
59	M74	X	-3.509	-3.509	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,%]
60	M74	Z	-6.078	-6.078	0	%100
61	M75	X	-6.985	-6.985	0	%100
62	M75	Z	-12.099	-12.099	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79	X	-3.803	-3.803	0	%100
66	M79	Z	-6.587	-6.587	0	%100
67	M84	X	-2.343	-2.343	0	%100
68	M84	Z	-4.058	-4.058	0	%100
69	M85	X	-7.115	-7.115	0	%100
70	M85	Z	-12.323	-12.323	0	%100
71	M87A	X	-7.373	-7.373	0	%100
72	M87A	Z	-12.771	-12.771	0	%100
73	M89A	X	-2.343	-2.343	0	%100
74	M89A	Z	-4.058	-4.058	0	%100
75	M90A	X	0	0	0	%100
76	M90A	Z	0	0	0	%100
77	M92	X	0	0	0	%100
78	M92	Z	0	0	0	%100
79	M71B	X	-6.468	-6.468	0	%100
80	M71B	Z	-11.203	-11.203	0	%100
81	M72B	X	-3.418	-3.418	0	%100
82	M72B	Z	-5.92	-5.92	0	%100
83	M73A	X	-3.418	-3.418	0	%100
84	M73A	Z	-5.92	-5.92	0	%100
85	MP4A	X	-4.463	-4.463	0	%100
86	MP4A	Z	-7.73	-7.73	0	%100
87	MP3A	X	-4.463	-4.463	0	%100
88	MP3A	Z	-7.73	-7.73	0	%100
89	MP2A	X	-4.463	-4.463	0	%100
90	MP2A	Z	-7.73	-7.73	0	%100
91	MP1A	X	-4.463	-4.463	0	%100
92	MP1A	Z	-7.73	-7.73	0	%100
93	MP4B	X	-4.463	-4.463	0	%100
94	MP4B	Z	-7.73	-7.73	0	%100
95	MP3B	X	-4.463	-4.463	0	%100
96	MP3B	Z	-7.73	-7.73	0	%100
97	MP2B	X	-4.463	-4.463	0	%100
98	MP2B	Z	-7.73	-7.73	0	%100
99	MP1B	X	-4.463	-4.463	0	%100
100	MP1B	Z	-7.73	-7.73	0	%100
101	OVP2	X	-2.67	-2.67	0	%100
102	OVP2	Z	-4.624	-4.624	0	%100
103	OVP1	X	-2.67	-2.67	0	%100
104	OVP1	Z	-4.624	-4.624	0	%100
105	MP4C	X	-4.463	-4.463	0	%100
106	MP4C	Z	-7.73	-7.73	0	%100
107	MP3C	X	-4.463	-4.463	0	%100
108	MP3C	Z	-7.73	-7.73	0	%100
109	MP2C	X	-4.463	-4.463	0	%100
110	MP2C	Z	-7.73	-7.73	0	%100
111	MP1C	X	-4.463	-4.463	0	%100
112	MP1C	Z	-7.73	-7.73	0	%100
113	M101	X	-3.347	-3.347	0	%100
114	M101	Z	-5.797	-5.797	0	%100
115	M108	X	0	0	0	%100
116	M108	Z	0	0	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,%]
117	M115	X	-3.347	-3.347	0	%100
118	M115	Z	-5.797	-5.797	0	%100
119	M122	X	0	0	0	%100
120	M122	Z	0	0	0	%100
121	M123	X	-4.335	-4.335	0	%100
122	M123	Z	-7.509	-7.509	0	%100
123	M124	X	-4.335	-4.335	0	%100
124	M124	Z	-7.509	-7.509	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	M13	X	0	0	0	%100
2	M13	Z	-2.549	-2.549	0	%100
3	M20	X	0	0	0	%100
4	M20	Z	-3.212	-3.212	0	%100
5	M32	X	0	0	0	%100
6	M32	Z	-.803	-.803	0	%100
7	M33A	X	0	0	0	%100
8	M33A	Z	-.803	-.803	0	%100
9	M41A	X	0	0	0	%100
10	M41A	Z	-.664	-.664	0	%100
11	M42_1	X	0	0	0	%100
12	M42_1	Z	-.664	-.664	0	%100
13	M43A_1	X	0	0	0	%100
14	M43A_1	Z	-1.039	-1.039	0	%100
15	M46A	X	0	0	0	%100
16	M46A	Z	-.747	-.747	0	%100
17	M47	X	0	0	0	%100
18	M47	Z	-2.99	-2.99	0	%100
19	M64	X	0	0	0	%100
20	M64	Z	-3.076	-3.076	0	%100
21	M65	X	0	0	0	%100
22	M65	Z	-4.142	-4.142	0	%100
23	M71	X	0	0	0	%100
24	M71	Z	-4.266	-4.266	0	%100
25	M86	X	0	0	0	%100
26	M86	Z	-3.076	-3.076	0	%100
27	M87	X	0	0	0	%100
28	M87	Z	-1.036	-1.036	0	%100
29	M90	X	0	0	0	%100
30	M90	Z	-1.067	-1.067	0	%100
31	M50A	X	0	0	0	%100
32	M50A	Z	-2.549	-2.549	0	%100
33	M51A	X	0	0	0	%100
34	M51A	Z	-.664	-.664	0	%100
35	M52	X	0	0	0	%100
36	M52	Z	-.664	-.664	0	%100
37	M53A	X	0	0	0	%100
38	M53A	Z	-1.039	-1.039	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	-2.989	-2.989	0	%100
41	M57	X	0	0	0	%100
42	M57	Z	-.747	-.747	0	%100
43	M62	X	0	0	0	%100
44	M62	Z	-3.076	-3.076	0	%100
45	M63	X	0	0	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,%]
46	M63	Z	-1.036	-1.036	0	%100
47	M65A	X	0	0	0	%100
48	M65A	Z	-1.067	-1.067	0	%100
49	M67	X	0	0	0	%100
50	M67	Z	-3.076	-3.076	0	%100
51	M68A	X	0	0	0	%100
52	M68A	Z	-4.142	-4.142	0	%100
53	M70	X	0	0	0	%100
54	M70	Z	-4.266	-4.266	0	%100
55	M72A	X	0	0	0	%100
56	M72A	Z	0	0	0	%100
57	M73	X	0	0	0	%100
58	M73	Z	-2.656	-2.656	0	%100
59	M74	X	0	0	0	%100
60	M74	Z	-2.656	-2.656	0	%100
61	M75	X	0	0	0	%100
62	M75	Z	-4.157	-4.157	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	-.747	-.747	0	%100
65	M79	X	0	0	0	%100
66	M79	Z	-.747	-.747	0	%100
67	M84	X	0	0	0	%100
68	M84	Z	0	0	0	%100
69	M85	X	0	0	0	%100
70	M85	Z	-1.036	-1.036	0	%100
71	M87A	X	0	0	0	%100
72	M87A	Z	-1.067	-1.067	0	%100
73	M89A	X	0	0	0	%100
74	M89A	Z	0	0	0	%100
75	M90A	X	0	0	0	%100
76	M90A	Z	-1.036	-1.036	0	%100
77	M92	X	0	0	0	%100
78	M92	Z	-1.067	-1.067	0	%100
79	M71B	X	0	0	0	%100
80	M71B	Z	-2.973	-2.973	0	%100
81	M72B	X	0	0	0	%100
82	M72B	Z	-1.142	-1.142	0	%100
83	M73A	X	0	0	0	%100
84	M73A	Z	-2.973	-2.973	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	-2.864	-2.864	0	%100
87	MP3A	X	0	0	0	%100
88	MP3A	Z	-2.864	-2.864	0	%100
89	MP2A	X	0	0	0	%100
90	MP2A	Z	-2.864	-2.864	0	%100
91	MP1A	X	0	0	0	%100
92	MP1A	Z	-2.864	-2.864	0	%100
93	MP4B	X	0	0	0	%100
94	MP4B	Z	-2.864	-2.864	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	-2.864	-2.864	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-2.864	-2.864	0	%100
99	MP1B	X	0	0	0	%100
100	MP1B	Z	-2.864	-2.864	0	%100
101	OVP2	X	0	0	0	%100
102	OVP2	Z	-1.884	-1.884	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,%]
103	OVP1	X	0	0	0	%100
104	OVP1	Z	-1.884	-1.884	0	%100
105	MP4C	X	0	0	0	%100
106	MP4C	Z	-2.864	-2.864	0	%100
107	MP3C	X	0	0	0	%100
108	MP3C	Z	-2.864	-2.864	0	%100
109	MP2C	X	0	0	0	%100
110	MP2C	Z	-2.864	-2.864	0	%100
111	MP1C	X	0	0	0	%100
112	MP1C	Z	-2.864	-2.864	0	%100
113	M101	X	0	0	0	%100
114	M101	Z	-2.864	-2.864	0	%100
115	M108	X	0	0	0	%100
116	M108	Z	-.716	-.716	0	%100
117	M115	X	0	0	0	%100
118	M115	Z	-.716	-.716	0	%100
119	M122	X	0	0	0	%100
120	M122	Z	-.763	-.763	0	%100
121	M123	X	0	0	0	%100
122	M123	Z	-3.053	-3.053	0	%100
123	M124	X	0	0	0	%100
124	M124	Z	-.763	-.763	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	M13	X	.425	.425	0	%100
2	M13	Z	-.736	-.736	0	%100
3	M20	X	1.205	1.205	0	%100
4	M20	Z	-2.086	-2.086	0	%100
5	M32	X	1.205	1.205	0	%100
6	M32	Z	-2.086	-2.086	0	%100
7	M33A	X	0	0	0	%100
8	M33A	Z	0	0	0	%100
9	M41A	X	.996	.996	0	%100
10	M41A	Z	-1.725	-1.725	0	%100
11	M42_1	X	.996	.996	0	%100
12	M42_1	Z	-1.725	-1.725	0	%100
13	M43A_1	X	1.559	1.559	0	%100
14	M43A_1	Z	-2.7	-2.7	0	%100
15	M46A	X	0	0	0	%100
16	M46A	Z	0	0	0	%100
17	M47	X	1.121	1.121	0	%100
18	M47	Z	-1.942	-1.942	0	%100
19	M64	X	.513	.513	0	%100
20	M64	Z	-.888	-.888	0	%100
21	M65	X	1.553	1.553	0	%100
22	M65	Z	-2.69	-2.69	0	%100
23	M71	X	1.6	1.6	0	%100
24	M71	Z	-2.771	-2.771	0	%100
25	M86	X	.513	.513	0	%100
26	M86	Z	-.888	-.888	0	%100
27	M87	X	0	0	0	%100
28	M87	Z	0	0	0	%100
29	M90	X	0	0	0	%100
30	M90	Z	0	0	0	%100
31	M50A	X	1.699	1.699	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,%]
32	M50A	Z	-2.943	-2.943	0	%100
33	M51A	X	0	0	0	%100
34	M51A	Z	0	0	0	%100
35	M52	X	0	0	0	%100
36	M52	Z	0	0	0	%100
37	M53A	X	0	0	0	%100
38	M53A	Z	0	0	0	%100
39	M56	X	1.121	1.121	0	%100
40	M56	Z	-1.942	-1.942	0	%100
41	M57	X	1.121	1.121	0	%100
42	M57	Z	-1.942	-1.942	0	%100
43	M62	X	2.05	2.05	0	%100
44	M62	Z	-3.551	-3.551	0	%100
45	M63	X	1.553	1.553	0	%100
46	M63	Z	-2.69	-2.69	0	%100
47	M65A	X	1.6	1.6	0	%100
48	M65A	Z	-2.771	-2.771	0	%100
49	M67	X	2.05	2.05	0	%100
50	M67	Z	-3.551	-3.551	0	%100
51	M68A	X	1.553	1.553	0	%100
52	M68A	Z	-2.69	-2.69	0	%100
53	M70	X	1.6	1.6	0	%100
54	M70	Z	-2.771	-2.771	0	%100
55	M72A	X	.425	.425	0	%100
56	M72A	Z	-.736	-.736	0	%100
57	M73	X	.996	.996	0	%100
58	M73	Z	-1.725	-1.725	0	%100
59	M74	X	.996	.996	0	%100
60	M74	Z	-1.725	-1.725	0	%100
61	M75	X	1.559	1.559	0	%100
62	M75	Z	-2.7	-2.7	0	%100
63	M78	X	1.121	1.121	0	%100
64	M78	Z	-1.942	-1.942	0	%100
65	M79	X	0	0	0	%100
66	M79	Z	0	0	0	%100
67	M84	X	.513	.513	0	%100
68	M84	Z	-.888	-.888	0	%100
69	M85	X	0	0	0	%100
70	M85	Z	0	0	0	%100
71	M87A	X	0	0	0	%100
72	M87A	Z	0	0	0	%100
73	M89A	X	.513	.513	0	%100
74	M89A	Z	-.888	-.888	0	%100
75	M90A	X	1.553	1.553	0	%100
76	M90A	Z	-2.69	-2.69	0	%100
77	M92	X	1.6	1.6	0	%100
78	M92	Z	-2.771	-2.771	0	%100
79	M71B	X	.876	.876	0	%100
80	M71B	Z	-1.517	-1.517	0	%100
81	M72B	X	.876	.876	0	%100
82	M72B	Z	-1.517	-1.517	0	%100
83	M73A	X	1.792	1.792	0	%100
84	M73A	Z	-3.104	-3.104	0	%100
85	MP4A	X	1.432	1.432	0	%100
86	MP4A	Z	-2.48	-2.48	0	%100
87	MP3A	X	1.432	1.432	0	%100
88	MP3A	Z	-2.48	-2.48	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,%]
89	MP2A	X	1.432	1.432	0	%100
90	MP2A	Z	-2.48	-2.48	0	%100
91	MP1A	X	1.432	1.432	0	%100
92	MP1A	Z	-2.48	-2.48	0	%100
93	MP4B	X	1.432	1.432	0	%100
94	MP4B	Z	-2.48	-2.48	0	%100
95	MP3B	X	1.432	1.432	0	%100
96	MP3B	Z	-2.48	-2.48	0	%100
97	MP2B	X	1.432	1.432	0	%100
98	MP2B	Z	-2.48	-2.48	0	%100
99	MP1B	X	1.432	1.432	0	%100
100	MP1B	Z	-2.48	-2.48	0	%100
101	OVP2	X	.942	.942	0	%100
102	OVP2	Z	-1.631	-1.631	0	%100
103	OVP1	X	.942	.942	0	%100
104	OVP1	Z	-1.631	-1.631	0	%100
105	MP4C	X	1.432	1.432	0	%100
106	MP4C	Z	-2.48	-2.48	0	%100
107	MP3C	X	1.432	1.432	0	%100
108	MP3C	Z	-2.48	-2.48	0	%100
109	MP2C	X	1.432	1.432	0	%100
110	MP2C	Z	-2.48	-2.48	0	%100
111	MP1C	X	1.432	1.432	0	%100
112	MP1C	Z	-2.48	-2.48	0	%100
113	M101	X	1.074	1.074	0	%100
114	M101	Z	-1.86	-1.86	0	%100
115	M108	X	1.074	1.074	0	%100
116	M108	Z	-1.86	-1.86	0	%100
117	M115	X	0	0	0	%100
118	M115	Z	0	0	0	%100
119	M122	X	1.145	1.145	0	%100
120	M122	Z	-1.983	-1.983	0	%100
121	M123	X	1.145	1.145	0	%100
122	M123	Z	-1.983	-1.983	0	%100
123	M124	X	0	0	0	%100
124	M124	Z	0	0	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	M13	X	0	0	0	%100
2	M13	Z	0	0	0	%100
3	M20	X	.695	.695	0	%100
4	M20	Z	-.402	-.402	0	%100
5	M32	X	2.782	2.782	0	%100
6	M32	Z	-1.606	-1.606	0	%100
7	M33A	X	.695	.695	0	%100
8	M33A	Z	-.402	-.402	0	%100
9	M41A	X	2.3	2.3	0	%100
10	M41A	Z	-1.328	-1.328	0	%100
11	M42_1	X	2.3	2.3	0	%100
12	M42_1	Z	-1.328	-1.328	0	%100
13	M43A_1	X	3.6	3.6	0	%100
14	M43A_1	Z	-2.079	-2.079	0	%100
15	M46A	X	.647	.647	0	%100
16	M46A	Z	-.374	-.374	0	%100
17	M47	X	.647	.647	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,%]
18	M47	Z	-.374	-.374	0	%100
19	M64	X	0	0	0	%100
20	M64	Z	0	0	0	%100
21	M65	X	.897	.897	0	%100
22	M65	Z	-.518	-.518	0	%100
23	M71	X	.924	.924	0	%100
24	M71	Z	-.533	-.533	0	%100
25	M86	X	0	0	0	%100
26	M86	Z	0	0	0	%100
27	M87	X	.897	.897	0	%100
28	M87	Z	-.518	-.518	0	%100
29	M90	X	.924	.924	0	%100
30	M90	Z	-.533	-.533	0	%100
31	M50A	X	2.208	2.208	0	%100
32	M50A	Z	-1.275	-1.275	0	%100
33	M51A	X	.575	.575	0	%100
34	M51A	Z	-.332	-.332	0	%100
35	M52	X	.575	.575	0	%100
36	M52	Z	-.332	-.332	0	%100
37	M53A	X	.9	.9	0	%100
38	M53A	Z	-.52	-.52	0	%100
39	M56	X	.647	.647	0	%100
40	M56	Z	-.374	-.374	0	%100
41	M57	X	2.589	2.589	0	%100
42	M57	Z	-1.495	-1.495	0	%100
43	M62	X	2.664	2.664	0	%100
44	M62	Z	-1.538	-1.538	0	%100
45	M63	X	3.587	3.587	0	%100
46	M63	Z	-2.071	-2.071	0	%100
47	M65A	X	3.695	3.695	0	%100
48	M65A	Z	-2.133	-2.133	0	%100
49	M67	X	2.664	2.664	0	%100
50	M67	Z	-1.538	-1.538	0	%100
51	M68A	X	.897	.897	0	%100
52	M68A	Z	-.518	-.518	0	%100
53	M70	X	.924	.924	0	%100
54	M70	Z	-.533	-.533	0	%100
55	M72A	X	2.208	2.208	0	%100
56	M72A	Z	-1.275	-1.275	0	%100
57	M73	X	.575	.575	0	%100
58	M73	Z	-.332	-.332	0	%100
59	M74	X	.575	.575	0	%100
60	M74	Z	-.332	-.332	0	%100
61	M75	X	.9	.9	0	%100
62	M75	Z	-.52	-.52	0	%100
63	M78	X	2.589	2.589	0	%100
64	M78	Z	-1.495	-1.495	0	%100
65	M79	X	.647	.647	0	%100
66	M79	Z	-.374	-.374	0	%100
67	M84	X	2.664	2.664	0	%100
68	M84	Z	-1.538	-1.538	0	%100
69	M85	X	.897	.897	0	%100
70	M85	Z	-.518	-.518	0	%100
71	M87A	X	.924	.924	0	%100
72	M87A	Z	-.533	-.533	0	%100
73	M89A	X	2.664	2.664	0	%100
74	M89A	Z	-1.538	-1.538	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,%]
75	M90A	X	3.587	3.587	0	%100
76	M90A	Z	-2.071	-2.071	0	%100
77	M92	X	3.695	3.695	0	%100
78	M92	Z	-2.133	-2.133	0	%100
79	M71B	X	.989	.989	0	%100
80	M71B	Z	-.571	-.571	0	%100
81	M72B	X	2.575	2.575	0	%100
82	M72B	Z	-1.487	-1.487	0	%100
83	M73A	X	2.575	2.575	0	%100
84	M73A	Z	-1.487	-1.487	0	%100
85	MP4A	X	2.48	2.48	0	%100
86	MP4A	Z	-1.432	-1.432	0	%100
87	MP3A	X	2.48	2.48	0	%100
88	MP3A	Z	-1.432	-1.432	0	%100
89	MP2A	X	2.48	2.48	0	%100
90	MP2A	Z	-1.432	-1.432	0	%100
91	MP1A	X	2.48	2.48	0	%100
92	MP1A	Z	-1.432	-1.432	0	%100
93	MP4B	X	2.48	2.48	0	%100
94	MP4B	Z	-1.432	-1.432	0	%100
95	MP3B	X	2.48	2.48	0	%100
96	MP3B	Z	-1.432	-1.432	0	%100
97	MP2B	X	2.48	2.48	0	%100
98	MP2B	Z	-1.432	-1.432	0	%100
99	MP1B	X	2.48	2.48	0	%100
100	MP1B	Z	-1.432	-1.432	0	%100
101	OVP2	X	1.631	1.631	0	%100
102	OVP2	Z	-.942	-.942	0	%100
103	OVP1	X	1.631	1.631	0	%100
104	OVP1	Z	-.942	-.942	0	%100
105	MP4C	X	2.48	2.48	0	%100
106	MP4C	Z	-1.432	-1.432	0	%100
107	MP3C	X	2.48	2.48	0	%100
108	MP3C	Z	-1.432	-1.432	0	%100
109	MP2C	X	2.48	2.48	0	%100
110	MP2C	Z	-1.432	-1.432	0	%100
111	MP1C	X	2.48	2.48	0	%100
112	MP1C	Z	-1.432	-1.432	0	%100
113	M101	X	.62	.62	0	%100
114	M101	Z	-.358	-.358	0	%100
115	M108	X	2.48	2.48	0	%100
116	M108	Z	-1.432	-1.432	0	%100
117	M115	X	.62	.62	0	%100
118	M115	Z	-.358	-.358	0	%100
119	M122	X	2.644	2.644	0	%100
120	M122	Z	-1.526	-1.526	0	%100
121	M123	X	.661	.661	0	%100
122	M123	Z	-.382	-.382	0	%100
123	M124	X	.661	.661	0	%100
124	M124	Z	-.382	-.382	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	M13	X	.85	.85	0	%100
2	M13	Z	0	0	0	%100
3	M20	X	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,%]
4	M20	Z	0	0	0	%100
5	M32	X	2.409	2.409	0	%100
6	M32	Z	0	0	0	%100
7	M33A	X	2.409	2.409	0	%100
8	M33A	Z	0	0	0	%100
9	M41A	X	1.992	1.992	0	%100
10	M41A	Z	0	0	0	%100
11	M42_1	X	1.992	1.992	0	%100
12	M42_1	Z	0	0	0	%100
13	M43A_1	X	3.118	3.118	0	%100
14	M43A_1	Z	0	0	0	%100
15	M46A	X	2.242	2.242	0	%100
16	M46A	Z	0	0	0	%100
17	M47	X	0	0	0	%100
18	M47	Z	0	0	0	%100
19	M64	X	1.025	1.025	0	%100
20	M64	Z	0	0	0	%100
21	M65	X	0	0	0	%100
22	M65	Z	0	0	0	%100
23	M71	X	0	0	0	%100
24	M71	Z	0	0	0	%100
25	M86	X	1.025	1.025	0	%100
26	M86	Z	0	0	0	%100
27	M87	X	3.107	3.107	0	%100
28	M87	Z	0	0	0	%100
29	M90	X	3.2	3.2	0	%100
30	M90	Z	0	0	0	%100
31	M50A	X	.85	.85	0	%100
32	M50A	Z	0	0	0	%100
33	M51A	X	1.992	1.992	0	%100
34	M51A	Z	0	0	0	%100
35	M52	X	1.992	1.992	0	%100
36	M52	Z	0	0	0	%100
37	M53A	X	3.118	3.118	0	%100
38	M53A	Z	0	0	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	0	0	0	%100
41	M57	X	2.242	2.242	0	%100
42	M57	Z	0	0	0	%100
43	M62	X	1.025	1.025	0	%100
44	M62	Z	0	0	0	%100
45	M63	X	3.107	3.107	0	%100
46	M63	Z	0	0	0	%100
47	M65A	X	3.2	3.2	0	%100
48	M65A	Z	0	0	0	%100
49	M67	X	1.025	1.025	0	%100
50	M67	Z	0	0	0	%100
51	M68A	X	0	0	0	%100
52	M68A	Z	0	0	0	%100
53	M70	X	0	0	0	%100
54	M70	Z	0	0	0	%100
55	M72A	X	3.399	3.399	0	%100
56	M72A	Z	0	0	0	%100
57	M73	X	0	0	0	%100
58	M73	Z	0	0	0	%100
59	M74	X	0	0	0	%100
60	M74	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,%]
61	M75	X	0	0	0	%100
62	M75	Z	0	0	0	%100
63	M78	X	2.242	2.242	0	%100
64	M78	Z	0	0	0	%100
65	M79	X	2.242	2.242	0	%100
66	M79	Z	0	0	0	%100
67	M84	X	4.101	4.101	0	%100
68	M84	Z	0	0	0	%100
69	M85	X	3.107	3.107	0	%100
70	M85	Z	0	0	0	%100
71	M87A	X	3.2	3.2	0	%100
72	M87A	Z	0	0	0	%100
73	M89A	X	4.101	4.101	0	%100
74	M89A	Z	0	0	0	%100
75	M90A	X	3.107	3.107	0	%100
76	M90A	Z	0	0	0	%100
77	M92	X	3.2	3.2	0	%100
78	M92	Z	0	0	0	%100
79	M71B	X	1.752	1.752	0	%100
80	M71B	Z	0	0	0	%100
81	M72B	X	3.584	3.584	0	%100
82	M72B	Z	0	0	0	%100
83	M73A	X	1.752	1.752	0	%100
84	M73A	Z	0	0	0	%100
85	MP4A	X	2.864	2.864	0	%100
86	MP4A	Z	0	0	0	%100
87	MP3A	X	2.864	2.864	0	%100
88	MP3A	Z	0	0	0	%100
89	MP2A	X	2.864	2.864	0	%100
90	MP2A	Z	0	0	0	%100
91	MP1A	X	2.864	2.864	0	%100
92	MP1A	Z	0	0	0	%100
93	MP4B	X	2.864	2.864	0	%100
94	MP4B	Z	0	0	0	%100
95	MP3B	X	2.864	2.864	0	%100
96	MP3B	Z	0	0	0	%100
97	MP2B	X	2.864	2.864	0	%100
98	MP2B	Z	0	0	0	%100
99	MP1B	X	2.864	2.864	0	%100
100	MP1B	Z	0	0	0	%100
101	OVP2	X	1.884	1.884	0	%100
102	OVP2	Z	0	0	0	%100
103	OVP1	X	1.884	1.884	0	%100
104	OVP1	Z	0	0	0	%100
105	MP4C	X	2.864	2.864	0	%100
106	MP4C	Z	0	0	0	%100
107	MP3C	X	2.864	2.864	0	%100
108	MP3C	Z	0	0	0	%100
109	MP2C	X	2.864	2.864	0	%100
110	MP2C	Z	0	0	0	%100
111	MP1C	X	2.864	2.864	0	%100
112	MP1C	Z	0	0	0	%100
113	M101	X	0	0	0	%100
114	M101	Z	0	0	0	%100
115	M108	X	2.148	2.148	0	%100
116	M108	Z	0	0	0	%100
117	M115	X	2.148	2.148	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,%]
118	M115	Z	0	0	0	%100
119	M122	X	2.29	2.29	0	%100
120	M122	Z	0	0	0	%100
121	M123	X	0	0	0	%100
122	M123	Z	0	0	0	%100
123	M124	X	2.29	2.29	0	%100
124	M124	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	M13	X	2.208	2.208	0	%100
2	M13	Z	1.275	1.275	0	%100
3	M20	X	.695	.695	0	%100
4	M20	Z	.402	.402	0	%100
5	M32	X	.695	.695	0	%100
6	M32	Z	.402	.402	0	%100
7	M33A	X	2.782	2.782	0	%100
8	M33A	Z	1.606	1.606	0	%100
9	M41A	X	.575	.575	0	%100
10	M41A	Z	.332	.332	0	%100
11	M42_1	X	.575	.575	0	%100
12	M42_1	Z	.332	.332	0	%100
13	M43A_1	X	.9	.9	0	%100
14	M43A_1	Z	.52	.52	0	%100
15	M46A	X	2.589	2.589	0	%100
16	M46A	Z	1.495	1.495	0	%100
17	M47	X	.647	.647	0	%100
18	M47	Z	.374	.374	0	%100
19	M64	X	2.664	2.664	0	%100
20	M64	Z	1.538	1.538	0	%100
21	M65	X	.897	.897	0	%100
22	M65	Z	.518	.518	0	%100
23	M71	X	.924	.924	0	%100
24	M71	Z	.533	.533	0	%100
25	M86	X	2.664	2.664	0	%100
26	M86	Z	1.538	1.538	0	%100
27	M87	X	3.587	3.587	0	%100
28	M87	Z	2.071	2.071	0	%100
29	M90	X	3.695	3.695	0	%100
30	M90	Z	2.133	2.133	0	%100
31	M50A	X	0	0	0	%100
32	M50A	Z	0	0	0	%100
33	M51A	X	2.3	2.3	0	%100
34	M51A	Z	1.328	1.328	0	%100
35	M52	X	2.3	2.3	0	%100
36	M52	Z	1.328	1.328	0	%100
37	M53A	X	3.6	3.6	0	%100
38	M53A	Z	2.079	2.079	0	%100
39	M56	X	.647	.647	0	%100
40	M56	Z	.374	.374	0	%100
41	M57	X	.647	.647	0	%100
42	M57	Z	.374	.374	0	%100
43	M62	X	0	0	0	%100
44	M62	Z	0	0	0	%100
45	M63	X	.897	.897	0	%100
46	M63	Z	.518	.518	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,%]
47	M65A	X	.924	.924	0	%100
48	M65A	Z	.533	.533	0	%100
49	M67	X	0	0	0	%100
50	M67	Z	0	0	0	%100
51	M68A	X	.897	.897	0	%100
52	M68A	Z	.518	.518	0	%100
53	M70	X	.924	.924	0	%100
54	M70	Z	.533	.533	0	%100
55	M72A	X	2.208	2.208	0	%100
56	M72A	Z	1.275	1.275	0	%100
57	M73	X	.575	.575	0	%100
58	M73	Z	.332	.332	0	%100
59	M74	X	.575	.575	0	%100
60	M74	Z	.332	.332	0	%100
61	M75	X	.9	.9	0	%100
62	M75	Z	.52	.52	0	%100
63	M78	X	.647	.647	0	%100
64	M78	Z	.374	.374	0	%100
65	M79	X	2.589	2.589	0	%100
66	M79	Z	1.495	1.495	0	%100
67	M84	X	2.664	2.664	0	%100
68	M84	Z	1.538	1.538	0	%100
69	M85	X	3.587	3.587	0	%100
70	M85	Z	2.071	2.071	0	%100
71	M87A	X	3.695	3.695	0	%100
72	M87A	Z	2.133	2.133	0	%100
73	M89A	X	2.664	2.664	0	%100
74	M89A	Z	1.538	1.538	0	%100
75	M90A	X	.897	.897	0	%100
76	M90A	Z	.518	.518	0	%100
77	M92	X	.924	.924	0	%100
78	M92	Z	.533	.533	0	%100
79	M71B	X	2.575	2.575	0	%100
80	M71B	Z	1.487	1.487	0	%100
81	M72B	X	2.575	2.575	0	%100
82	M72B	Z	1.487	1.487	0	%100
83	M73A	X	.989	.989	0	%100
84	M73A	Z	.571	.571	0	%100
85	MP4A	X	2.48	2.48	0	%100
86	MP4A	Z	1.432	1.432	0	%100
87	MP3A	X	2.48	2.48	0	%100
88	MP3A	Z	1.432	1.432	0	%100
89	MP2A	X	2.48	2.48	0	%100
90	MP2A	Z	1.432	1.432	0	%100
91	MP1A	X	2.48	2.48	0	%100
92	MP1A	Z	1.432	1.432	0	%100
93	MP4B	X	2.48	2.48	0	%100
94	MP4B	Z	1.432	1.432	0	%100
95	MP3B	X	2.48	2.48	0	%100
96	MP3B	Z	1.432	1.432	0	%100
97	MP2B	X	2.48	2.48	0	%100
98	MP2B	Z	1.432	1.432	0	%100
99	MP1B	X	2.48	2.48	0	%100
100	MP1B	Z	1.432	1.432	0	%100
101	OVP2	X	1.631	1.631	0	%100
102	OVP2	Z	.942	.942	0	%100
103	OVP1	X	1.631	1.631	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,%]
104	OVP1	Z	.942	.942	0	%100
105	MP4C	X	2.48	2.48	0	%100
106	MP4C	Z	1.432	1.432	0	%100
107	MP3C	X	2.48	2.48	0	%100
108	MP3C	Z	1.432	1.432	0	%100
109	MP2C	X	2.48	2.48	0	%100
110	MP2C	Z	1.432	1.432	0	%100
111	MP1C	X	2.48	2.48	0	%100
112	MP1C	Z	1.432	1.432	0	%100
113	M101	X	.62	.62	0	%100
114	M101	Z	.358	.358	0	%100
115	M108	X	.62	.62	0	%100
116	M108	Z	.358	.358	0	%100
117	M115	X	2.48	2.48	0	%100
118	M115	Z	1.432	1.432	0	%100
119	M122	X	.661	.661	0	%100
120	M122	Z	.382	.382	0	%100
121	M123	X	.661	.661	0	%100
122	M123	Z	.382	.382	0	%100
123	M124	X	2.644	2.644	0	%100
124	M124	Z	1.526	1.526	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	M13	X	1.699	1.699	0	%100
2	M13	Z	2.943	2.943	0	%100
3	M20	X	1.205	1.205	0	%100
4	M20	Z	2.086	2.086	0	%100
5	M32	X	0	0	0	%100
6	M32	Z	0	0	0	%100
7	M33A	X	1.205	1.205	0	%100
8	M33A	Z	2.086	2.086	0	%100
9	M41A	X	0	0	0	%100
10	M41A	Z	0	0	0	%100
11	M42_1	X	0	0	0	%100
12	M42_1	Z	0	0	0	%100
13	M43A_1	X	0	0	0	%100
14	M43A_1	Z	0	0	0	%100
15	M46A	X	1.121	1.121	0	%100
16	M46A	Z	1.942	1.942	0	%100
17	M47	X	1.121	1.121	0	%100
18	M47	Z	1.942	1.942	0	%100
19	M64	X	2.05	2.05	0	%100
20	M64	Z	3.551	3.551	0	%100
21	M65	X	1.553	1.553	0	%100
22	M65	Z	2.69	2.69	0	%100
23	M71	X	1.6	1.6	0	%100
24	M71	Z	2.771	2.771	0	%100
25	M86	X	2.05	2.05	0	%100
26	M86	Z	3.551	3.551	0	%100
27	M87	X	1.553	1.553	0	%100
28	M87	Z	2.69	2.69	0	%100
29	M90	X	1.6	1.6	0	%100
30	M90	Z	2.771	2.771	0	%100
31	M50A	X	.425	.425	0	%100
32	M50A	Z	.736	.736	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,%]
33	M51A	X	.996	.996	0	%100
34	M51A	Z	1.725	1.725	0	%100
35	M52	X	.996	.996	0	%100
36	M52	Z	1.725	1.725	0	%100
37	M53A	X	1.559	1.559	0	%100
38	M53A	Z	2.7	2.7	0	%100
39	M56	X	1.121	1.121	0	%100
40	M56	Z	1.942	1.942	0	%100
41	M57	X	0	0	0	%100
42	M57	Z	0	0	0	%100
43	M62	X	.513	.513	0	%100
44	M62	Z	.888	.888	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	0	0	0	%100
47	M65A	X	0	0	0	%100
48	M65A	Z	0	0	0	%100
49	M67	X	.513	.513	0	%100
50	M67	Z	.888	.888	0	%100
51	M68A	X	1.553	1.553	0	%100
52	M68A	Z	2.69	2.69	0	%100
53	M70	X	1.6	1.6	0	%100
54	M70	Z	2.771	2.771	0	%100
55	M72A	X	.425	.425	0	%100
56	M72A	Z	.736	.736	0	%100
57	M73	X	.996	.996	0	%100
58	M73	Z	1.725	1.725	0	%100
59	M74	X	.996	.996	0	%100
60	M74	Z	1.725	1.725	0	%100
61	M75	X	1.559	1.559	0	%100
62	M75	Z	2.7	2.7	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79	X	1.121	1.121	0	%100
66	M79	Z	1.942	1.942	0	%100
67	M84	X	.513	.513	0	%100
68	M84	Z	.888	.888	0	%100
69	M85	X	1.553	1.553	0	%100
70	M85	Z	2.69	2.69	0	%100
71	M87A	X	1.6	1.6	0	%100
72	M87A	Z	2.771	2.771	0	%100
73	M89A	X	.513	.513	0	%100
74	M89A	Z	.888	.888	0	%100
75	M90A	X	0	0	0	%100
76	M90A	Z	0	0	0	%100
77	M92	X	0	0	0	%100
78	M92	Z	0	0	0	%100
79	M71B	X	1.792	1.792	0	%100
80	M71B	Z	3.104	3.104	0	%100
81	M72B	X	.876	.876	0	%100
82	M72B	Z	1.517	1.517	0	%100
83	M73A	X	.876	.876	0	%100
84	M73A	Z	1.517	1.517	0	%100
85	MP4A	X	1.432	1.432	0	%100
86	MP4A	Z	2.48	2.48	0	%100
87	MP3A	X	1.432	1.432	0	%100
88	MP3A	Z	2.48	2.48	0	%100
89	MP2A	X	1.432	1.432	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,%]
90	MP2A	Z	2.48	2.48	0	%100
91	MP1A	X	1.432	1.432	0	%100
92	MP1A	Z	2.48	2.48	0	%100
93	MP4B	X	1.432	1.432	0	%100
94	MP4B	Z	2.48	2.48	0	%100
95	MP3B	X	1.432	1.432	0	%100
96	MP3B	Z	2.48	2.48	0	%100
97	MP2B	X	1.432	1.432	0	%100
98	MP2B	Z	2.48	2.48	0	%100
99	MP1B	X	1.432	1.432	0	%100
100	MP1B	Z	2.48	2.48	0	%100
101	OVP2	X	.942	.942	0	%100
102	OVP2	Z	1.631	1.631	0	%100
103	OVP1	X	.942	.942	0	%100
104	OVP1	Z	1.631	1.631	0	%100
105	MP4C	X	1.432	1.432	0	%100
106	MP4C	Z	2.48	2.48	0	%100
107	MP3C	X	1.432	1.432	0	%100
108	MP3C	Z	2.48	2.48	0	%100
109	MP2C	X	1.432	1.432	0	%100
110	MP2C	Z	2.48	2.48	0	%100
111	MP1C	X	1.432	1.432	0	%100
112	MP1C	Z	2.48	2.48	0	%100
113	M101	X	1.074	1.074	0	%100
114	M101	Z	1.86	1.86	0	%100
115	M108	X	0	0	0	%100
116	M108	Z	0	0	0	%100
117	M115	X	1.074	1.074	0	%100
118	M115	Z	1.86	1.86	0	%100
119	M122	X	0	0	0	%100
120	M122	Z	0	0	0	%100
121	M123	X	1.145	1.145	0	%100
122	M123	Z	1.983	1.983	0	%100
123	M124	X	1.145	1.145	0	%100
124	M124	Z	1.983	1.983	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	M13	X	0	0	0	%100
2	M13	Z	2.549	2.549	0	%100
3	M20	X	0	0	0	%100
4	M20	Z	3.212	3.212	0	%100
5	M32	X	0	0	0	%100
6	M32	Z	.803	.803	0	%100
7	M33A	X	0	0	0	%100
8	M33A	Z	.803	.803	0	%100
9	M41A	X	0	0	0	%100
10	M41A	Z	.664	.664	0	%100
11	M42_1	X	0	0	0	%100
12	M42_1	Z	.664	.664	0	%100
13	M43A_1	X	0	0	0	%100
14	M43A_1	Z	1.039	1.039	0	%100
15	M46A	X	0	0	0	%100
16	M46A	Z	.747	.747	0	%100
17	M47	X	0	0	0	%100
18	M47	Z	2.99	2.99	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,%]
19	M64	X	0	0	0	%100
20	M64	Z	3.076	3.076	0	%100
21	M65	X	0	0	0	%100
22	M65	Z	4.142	4.142	0	%100
23	M71	X	0	0	0	%100
24	M71	Z	4.266	4.266	0	%100
25	M86	X	0	0	0	%100
26	M86	Z	3.076	3.076	0	%100
27	M87	X	0	0	0	%100
28	M87	Z	1.036	1.036	0	%100
29	M90	X	0	0	0	%100
30	M90	Z	1.067	1.067	0	%100
31	M50A	X	0	0	0	%100
32	M50A	Z	2.549	2.549	0	%100
33	M51A	X	0	0	0	%100
34	M51A	Z	.664	.664	0	%100
35	M52	X	0	0	0	%100
36	M52	Z	.664	.664	0	%100
37	M53A	X	0	0	0	%100
38	M53A	Z	1.039	1.039	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	2.989	2.989	0	%100
41	M57	X	0	0	0	%100
42	M57	Z	.747	.747	0	%100
43	M62	X	0	0	0	%100
44	M62	Z	3.076	3.076	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	1.036	1.036	0	%100
47	M65A	X	0	0	0	%100
48	M65A	Z	1.067	1.067	0	%100
49	M67	X	0	0	0	%100
50	M67	Z	3.076	3.076	0	%100
51	M68A	X	0	0	0	%100
52	M68A	Z	4.142	4.142	0	%100
53	M70	X	0	0	0	%100
54	M70	Z	4.266	4.266	0	%100
55	M72A	X	0	0	0	%100
56	M72A	Z	0	0	0	%100
57	M73	X	0	0	0	%100
58	M73	Z	2.656	2.656	0	%100
59	M74	X	0	0	0	%100
60	M74	Z	2.656	2.656	0	%100
61	M75	X	0	0	0	%100
62	M75	Z	4.157	4.157	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	.747	.747	0	%100
65	M79	X	0	0	0	%100
66	M79	Z	.747	.747	0	%100
67	M84	X	0	0	0	%100
68	M84	Z	0	0	0	%100
69	M85	X	0	0	0	%100
70	M85	Z	1.036	1.036	0	%100
71	M87A	X	0	0	0	%100
72	M87A	Z	1.067	1.067	0	%100
73	M89A	X	0	0	0	%100
74	M89A	Z	0	0	0	%100
75	M90A	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,%]
76	M90A	Z	1.036	1.036	0	%100
77	M92	X	0	0	0	%100
78	M92	Z	1.067	1.067	0	%100
79	M71B	X	0	0	0	%100
80	M71B	Z	2.973	2.973	0	%100
81	M72B	X	0	0	0	%100
82	M72B	Z	1.142	1.142	0	%100
83	M73A	X	0	0	0	%100
84	M73A	Z	2.973	2.973	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	2.864	2.864	0	%100
87	MP3A	X	0	0	0	%100
88	MP3A	Z	2.864	2.864	0	%100
89	MP2A	X	0	0	0	%100
90	MP2A	Z	2.864	2.864	0	%100
91	MP1A	X	0	0	0	%100
92	MP1A	Z	2.864	2.864	0	%100
93	MP4B	X	0	0	0	%100
94	MP4B	Z	2.864	2.864	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	2.864	2.864	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	2.864	2.864	0	%100
99	MP1B	X	0	0	0	%100
100	MP1B	Z	2.864	2.864	0	%100
101	OVP2	X	0	0	0	%100
102	OVP2	Z	1.884	1.884	0	%100
103	OVP1	X	0	0	0	%100
104	OVP1	Z	1.884	1.884	0	%100
105	MP4C	X	0	0	0	%100
106	MP4C	Z	2.864	2.864	0	%100
107	MP3C	X	0	0	0	%100
108	MP3C	Z	2.864	2.864	0	%100
109	MP2C	X	0	0	0	%100
110	MP2C	Z	2.864	2.864	0	%100
111	MP1C	X	0	0	0	%100
112	MP1C	Z	2.864	2.864	0	%100
113	M101	X	0	0	0	%100
114	M101	Z	2.864	2.864	0	%100
115	M108	X	0	0	0	%100
116	M108	Z	.716	.716	0	%100
117	M115	X	0	0	0	%100
118	M115	Z	.716	.716	0	%100
119	M122	X	0	0	0	%100
120	M122	Z	.763	.763	0	%100
121	M123	X	0	0	0	%100
122	M123	Z	3.053	3.053	0	%100
123	M124	X	0	0	0	%100
124	M124	Z	.763	.763	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	M13	X	-.425	-.425	0	%100
2	M13	Z	.736	.736	0	%100
3	M20	X	-1.205	-1.205	0	%100
4	M20	Z	2.086	2.086	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,%]
5	M32	X	-1.205	-1.205	0	%100
6	M32	Z	2.086	2.086	0	%100
7	M33A	X	0	0	0	%100
8	M33A	Z	0	0	0	%100
9	M41A	X	-.996	-.996	0	%100
10	M41A	Z	1.725	1.725	0	%100
11	M42_1	X	-.996	-.996	0	%100
12	M42_1	Z	1.725	1.725	0	%100
13	M43A_1	X	-1.559	-1.559	0	%100
14	M43A_1	Z	2.7	2.7	0	%100
15	M46A	X	0	0	0	%100
16	M46A	Z	0	0	0	%100
17	M47	X	-1.121	-1.121	0	%100
18	M47	Z	1.942	1.942	0	%100
19	M64	X	-.513	-.513	0	%100
20	M64	Z	.888	.888	0	%100
21	M65	X	-1.553	-1.553	0	%100
22	M65	Z	2.69	2.69	0	%100
23	M71	X	-1.6	-1.6	0	%100
24	M71	Z	2.771	2.771	0	%100
25	M86	X	-.513	-.513	0	%100
26	M86	Z	.888	.888	0	%100
27	M87	X	0	0	0	%100
28	M87	Z	0	0	0	%100
29	M90	X	0	0	0	%100
30	M90	Z	0	0	0	%100
31	M50A	X	-1.699	-1.699	0	%100
32	M50A	Z	2.943	2.943	0	%100
33	M51A	X	0	0	0	%100
34	M51A	Z	0	0	0	%100
35	M52	X	0	0	0	%100
36	M52	Z	0	0	0	%100
37	M53A	X	0	0	0	%100
38	M53A	Z	0	0	0	%100
39	M56	X	-1.121	-1.121	0	%100
40	M56	Z	1.942	1.942	0	%100
41	M57	X	-1.121	-1.121	0	%100
42	M57	Z	1.942	1.942	0	%100
43	M62	X	-2.05	-2.05	0	%100
44	M62	Z	3.551	3.551	0	%100
45	M63	X	-1.553	-1.553	0	%100
46	M63	Z	2.69	2.69	0	%100
47	M65A	X	-1.6	-1.6	0	%100
48	M65A	Z	2.771	2.771	0	%100
49	M67	X	-2.05	-2.05	0	%100
50	M67	Z	3.551	3.551	0	%100
51	M68A	X	-1.553	-1.553	0	%100
52	M68A	Z	2.69	2.69	0	%100
53	M70	X	-1.6	-1.6	0	%100
54	M70	Z	2.771	2.771	0	%100
55	M72A	X	-.425	-.425	0	%100
56	M72A	Z	.736	.736	0	%100
57	M73	X	-.996	-.996	0	%100
58	M73	Z	1.725	1.725	0	%100
59	M74	X	-.996	-.996	0	%100
60	M74	Z	1.725	1.725	0	%100
61	M75	X	-1.559	-1.559	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,%]
62	M75	Z	2.7	2.7	0	%100
63	M78	X	-1.121	-1.121	0	%100
64	M78	Z	1.942	1.942	0	%100
65	M79	X	0	0	0	%100
66	M79	Z	0	0	0	%100
67	M84	X	-.513	-.513	0	%100
68	M84	Z	.888	.888	0	%100
69	M85	X	0	0	0	%100
70	M85	Z	0	0	0	%100
71	M87A	X	0	0	0	%100
72	M87A	Z	0	0	0	%100
73	M89A	X	-.513	-.513	0	%100
74	M89A	Z	.888	.888	0	%100
75	M90A	X	-1.553	-1.553	0	%100
76	M90A	Z	2.69	2.69	0	%100
77	M92	X	-1.6	-1.6	0	%100
78	M92	Z	2.771	2.771	0	%100
79	M71B	X	-.876	-.876	0	%100
80	M71B	Z	1.517	1.517	0	%100
81	M72B	X	-.876	-.876	0	%100
82	M72B	Z	1.517	1.517	0	%100
83	M73A	X	-1.792	-1.792	0	%100
84	M73A	Z	3.104	3.104	0	%100
85	MP4A	X	-1.432	-1.432	0	%100
86	MP4A	Z	2.48	2.48	0	%100
87	MP3A	X	-1.432	-1.432	0	%100
88	MP3A	Z	2.48	2.48	0	%100
89	MP2A	X	-1.432	-1.432	0	%100
90	MP2A	Z	2.48	2.48	0	%100
91	MP1A	X	-1.432	-1.432	0	%100
92	MP1A	Z	2.48	2.48	0	%100
93	MP4B	X	-1.432	-1.432	0	%100
94	MP4B	Z	2.48	2.48	0	%100
95	MP3B	X	-1.432	-1.432	0	%100
96	MP3B	Z	2.48	2.48	0	%100
97	MP2B	X	-1.432	-1.432	0	%100
98	MP2B	Z	2.48	2.48	0	%100
99	MP1B	X	-1.432	-1.432	0	%100
100	MP1B	Z	2.48	2.48	0	%100
101	OVP2	X	-.942	-.942	0	%100
102	OVP2	Z	1.631	1.631	0	%100
103	OVP1	X	-.942	-.942	0	%100
104	OVP1	Z	1.631	1.631	0	%100
105	MP4C	X	-1.432	-1.432	0	%100
106	MP4C	Z	2.48	2.48	0	%100
107	MP3C	X	-1.432	-1.432	0	%100
108	MP3C	Z	2.48	2.48	0	%100
109	MP2C	X	-1.432	-1.432	0	%100
110	MP2C	Z	2.48	2.48	0	%100
111	MP1C	X	-1.432	-1.432	0	%100
112	MP1C	Z	2.48	2.48	0	%100
113	M101	X	-1.074	-1.074	0	%100
114	M101	Z	1.86	1.86	0	%100
115	M108	X	-1.074	-1.074	0	%100
116	M108	Z	1.86	1.86	0	%100
117	M115	X	0	0	0	%100
118	M115	Z	0	0	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,%]
119	M122	X	-1.145	-1.145	0	%100
120	M122	Z	1.983	1.983	0	%100
121	M123	X	-1.145	-1.145	0	%100
122	M123	Z	1.983	1.983	0	%100
123	M124	X	0	0	0	%100
124	M124	Z	0	0	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	M13	X	0	0	0	%100
2	M13	Z	0	0	0	%100
3	M20	X	-.695	-.695	0	%100
4	M20	Z	.402	.402	0	%100
5	M32	X	-2.782	-2.782	0	%100
6	M32	Z	1.606	1.606	0	%100
7	M33A	X	-.695	-.695	0	%100
8	M33A	Z	.402	.402	0	%100
9	M41A	X	-2.3	-2.3	0	%100
10	M41A	Z	1.328	1.328	0	%100
11	M42_1	X	-2.3	-2.3	0	%100
12	M42_1	Z	1.328	1.328	0	%100
13	M43A_1	X	-3.6	-3.6	0	%100
14	M43A_1	Z	2.079	2.079	0	%100
15	M46A	X	-.647	-.647	0	%100
16	M46A	Z	.374	.374	0	%100
17	M47	X	-.647	-.647	0	%100
18	M47	Z	.374	.374	0	%100
19	M64	X	0	0	0	%100
20	M64	Z	0	0	0	%100
21	M65	X	-.897	-.897	0	%100
22	M65	Z	.518	.518	0	%100
23	M71	X	-.924	-.924	0	%100
24	M71	Z	.533	.533	0	%100
25	M86	X	0	0	0	%100
26	M86	Z	0	0	0	%100
27	M87	X	-.897	-.897	0	%100
28	M87	Z	.518	.518	0	%100
29	M90	X	-.924	-.924	0	%100
30	M90	Z	.533	.533	0	%100
31	M50A	X	-2.208	-2.208	0	%100
32	M50A	Z	1.275	1.275	0	%100
33	M51A	X	-.575	-.575	0	%100
34	M51A	Z	.332	.332	0	%100
35	M52	X	-.575	-.575	0	%100
36	M52	Z	.332	.332	0	%100
37	M53A	X	-.9	-.9	0	%100
38	M53A	Z	.52	.52	0	%100
39	M56	X	-.647	-.647	0	%100
40	M56	Z	.374	.374	0	%100
41	M57	X	-2.589	-2.589	0	%100
42	M57	Z	1.495	1.495	0	%100
43	M62	X	-2.664	-2.664	0	%100
44	M62	Z	1.538	1.538	0	%100
45	M63	X	-3.587	-3.587	0	%100
46	M63	Z	2.071	2.071	0	%100
47	M65A	X	-3.695	-3.695	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,%]
48	M65A	Z	2.133	2.133	0	%100
49	M67	X	-2.664	-2.664	0	%100
50	M67	Z	1.538	1.538	0	%100
51	M68A	X	-.897	-.897	0	%100
52	M68A	Z	.518	.518	0	%100
53	M70	X	-.924	-.924	0	%100
54	M70	Z	.533	.533	0	%100
55	M72A	X	-2.208	-2.208	0	%100
56	M72A	Z	1.275	1.275	0	%100
57	M73	X	-.575	-.575	0	%100
58	M73	Z	.332	.332	0	%100
59	M74	X	-.575	-.575	0	%100
60	M74	Z	.332	.332	0	%100
61	M75	X	-.9	-.9	0	%100
62	M75	Z	.52	.52	0	%100
63	M78	X	-2.589	-2.589	0	%100
64	M78	Z	1.495	1.495	0	%100
65	M79	X	-.647	-.647	0	%100
66	M79	Z	.374	.374	0	%100
67	M84	X	-2.664	-2.664	0	%100
68	M84	Z	1.538	1.538	0	%100
69	M85	X	-.897	-.897	0	%100
70	M85	Z	.518	.518	0	%100
71	M87A	X	-.924	-.924	0	%100
72	M87A	Z	.533	.533	0	%100
73	M89A	X	-2.664	-2.664	0	%100
74	M89A	Z	1.538	1.538	0	%100
75	M90A	X	-3.587	-3.587	0	%100
76	M90A	Z	2.071	2.071	0	%100
77	M92	X	-3.695	-3.695	0	%100
78	M92	Z	2.133	2.133	0	%100
79	M71B	X	-.989	-.989	0	%100
80	M71B	Z	.571	.571	0	%100
81	M72B	X	-2.575	-2.575	0	%100
82	M72B	Z	1.487	1.487	0	%100
83	M73A	X	-2.575	-2.575	0	%100
84	M73A	Z	1.487	1.487	0	%100
85	MP4A	X	-2.48	-2.48	0	%100
86	MP4A	Z	1.432	1.432	0	%100
87	MP3A	X	-2.48	-2.48	0	%100
88	MP3A	Z	1.432	1.432	0	%100
89	MP2A	X	-2.48	-2.48	0	%100
90	MP2A	Z	1.432	1.432	0	%100
91	MP1A	X	-2.48	-2.48	0	%100
92	MP1A	Z	1.432	1.432	0	%100
93	MP4B	X	-2.48	-2.48	0	%100
94	MP4B	Z	1.432	1.432	0	%100
95	MP3B	X	-2.48	-2.48	0	%100
96	MP3B	Z	1.432	1.432	0	%100
97	MP2B	X	-2.48	-2.48	0	%100
98	MP2B	Z	1.432	1.432	0	%100
99	MP1B	X	-2.48	-2.48	0	%100
100	MP1B	Z	1.432	1.432	0	%100
101	OVP2	X	-1.631	-1.631	0	%100
102	OVP2	Z	.942	.942	0	%100
103	OVP1	X	-1.631	-1.631	0	%100
104	OVP1	Z	.942	.942	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,%]
105	MP4C	X	-2.48	-2.48	0	%100
106	MP4C	Z	1.432	1.432	0	%100
107	MP3C	X	-2.48	-2.48	0	%100
108	MP3C	Z	1.432	1.432	0	%100
109	MP2C	X	-2.48	-2.48	0	%100
110	MP2C	Z	1.432	1.432	0	%100
111	MP1C	X	-2.48	-2.48	0	%100
112	MP1C	Z	1.432	1.432	0	%100
113	M101	X	-.62	-.62	0	%100
114	M101	Z	.358	.358	0	%100
115	M108	X	-2.48	-2.48	0	%100
116	M108	Z	1.432	1.432	0	%100
117	M115	X	-.62	-.62	0	%100
118	M115	Z	.358	.358	0	%100
119	M122	X	-2.644	-2.644	0	%100
120	M122	Z	1.526	1.526	0	%100
121	M123	X	-.661	-.661	0	%100
122	M123	Z	.382	.382	0	%100
123	M124	X	-.661	-.661	0	%100
124	M124	Z	.382	.382	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	M13	X	-.85	-.85	0	%100
2	M13	Z	0	0	0	%100
3	M20	X	0	0	0	%100
4	M20	Z	0	0	0	%100
5	M32	X	-2.409	-2.409	0	%100
6	M32	Z	0	0	0	%100
7	M33A	X	-2.409	-2.409	0	%100
8	M33A	Z	0	0	0	%100
9	M41A	X	-1.992	-1.992	0	%100
10	M41A	Z	0	0	0	%100
11	M42_1	X	-1.992	-1.992	0	%100
12	M42_1	Z	0	0	0	%100
13	M43A_1	X	-3.118	-3.118	0	%100
14	M43A_1	Z	0	0	0	%100
15	M46A	X	-2.242	-2.242	0	%100
16	M46A	Z	0	0	0	%100
17	M47	X	0	0	0	%100
18	M47	Z	0	0	0	%100
19	M64	X	-1.025	-1.025	0	%100
20	M64	Z	0	0	0	%100
21	M65	X	0	0	0	%100
22	M65	Z	0	0	0	%100
23	M71	X	0	0	0	%100
24	M71	Z	0	0	0	%100
25	M86	X	-1.025	-1.025	0	%100
26	M86	Z	0	0	0	%100
27	M87	X	-3.107	-3.107	0	%100
28	M87	Z	0	0	0	%100
29	M90	X	-3.2	-3.2	0	%100
30	M90	Z	0	0	0	%100
31	M50A	X	-.85	-.85	0	%100
32	M50A	Z	0	0	0	%100
33	M51A	X	-1.992	-1.992	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,%]
34	M51A	Z	0	0	0	%100
35	M52	X	-1.992	-1.992	0	%100
36	M52	Z	0	0	0	%100
37	M53A	X	-3.118	-3.118	0	%100
38	M53A	Z	0	0	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	0	0	0	%100
41	M57	X	-2.242	-2.242	0	%100
42	M57	Z	0	0	0	%100
43	M62	X	-1.025	-1.025	0	%100
44	M62	Z	0	0	0	%100
45	M63	X	-3.107	-3.107	0	%100
46	M63	Z	0	0	0	%100
47	M65A	X	-3.2	-3.2	0	%100
48	M65A	Z	0	0	0	%100
49	M67	X	-1.025	-1.025	0	%100
50	M67	Z	0	0	0	%100
51	M68A	X	0	0	0	%100
52	M68A	Z	0	0	0	%100
53	M70	X	0	0	0	%100
54	M70	Z	0	0	0	%100
55	M72A	X	-3.399	-3.399	0	%100
56	M72A	Z	0	0	0	%100
57	M73	X	0	0	0	%100
58	M73	Z	0	0	0	%100
59	M74	X	0	0	0	%100
60	M74	Z	0	0	0	%100
61	M75	X	0	0	0	%100
62	M75	Z	0	0	0	%100
63	M78	X	-2.242	-2.242	0	%100
64	M78	Z	0	0	0	%100
65	M79	X	-2.242	-2.242	0	%100
66	M79	Z	0	0	0	%100
67	M84	X	-4.101	-4.101	0	%100
68	M84	Z	0	0	0	%100
69	M85	X	-3.107	-3.107	0	%100
70	M85	Z	0	0	0	%100
71	M87A	X	-3.2	-3.2	0	%100
72	M87A	Z	0	0	0	%100
73	M89A	X	-4.101	-4.101	0	%100
74	M89A	Z	0	0	0	%100
75	M90A	X	-3.107	-3.107	0	%100
76	M90A	Z	0	0	0	%100
77	M92	X	-3.2	-3.2	0	%100
78	M92	Z	0	0	0	%100
79	M71B	X	-1.752	-1.752	0	%100
80	M71B	Z	0	0	0	%100
81	M72B	X	-3.584	-3.584	0	%100
82	M72B	Z	0	0	0	%100
83	M73A	X	-1.752	-1.752	0	%100
84	M73A	Z	0	0	0	%100
85	MP4A	X	-2.864	-2.864	0	%100
86	MP4A	Z	0	0	0	%100
87	MP3A	X	-2.864	-2.864	0	%100
88	MP3A	Z	0	0	0	%100
89	MP2A	X	-2.864	-2.864	0	%100
90	MP2A	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,%]
91	MP1A	X	-2.864	-2.864	0	%100
92	MP1A	Z	0	0	0	%100
93	MP4B	X	-2.864	-2.864	0	%100
94	MP4B	Z	0	0	0	%100
95	MP3B	X	-2.864	-2.864	0	%100
96	MP3B	Z	0	0	0	%100
97	MP2B	X	-2.864	-2.864	0	%100
98	MP2B	Z	0	0	0	%100
99	MP1B	X	-2.864	-2.864	0	%100
100	MP1B	Z	0	0	0	%100
101	OVP2	X	-1.884	-1.884	0	%100
102	OVP2	Z	0	0	0	%100
103	OVP1	X	-1.884	-1.884	0	%100
104	OVP1	Z	0	0	0	%100
105	MP4C	X	-2.864	-2.864	0	%100
106	MP4C	Z	0	0	0	%100
107	MP3C	X	-2.864	-2.864	0	%100
108	MP3C	Z	0	0	0	%100
109	MP2C	X	-2.864	-2.864	0	%100
110	MP2C	Z	0	0	0	%100
111	MP1C	X	-2.864	-2.864	0	%100
112	MP1C	Z	0	0	0	%100
113	M101	X	0	0	0	%100
114	M101	Z	0	0	0	%100
115	M108	X	-2.148	-2.148	0	%100
116	M108	Z	0	0	0	%100
117	M115	X	-2.148	-2.148	0	%100
118	M115	Z	0	0	0	%100
119	M122	X	-2.29	-2.29	0	%100
120	M122	Z	0	0	0	%100
121	M123	X	0	0	0	%100
122	M123	Z	0	0	0	%100
123	M124	X	-2.29	-2.29	0	%100
124	M124	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	M13	X	-2.208	-2.208	0	%100
2	M13	Z	-1.275	-1.275	0	%100
3	M20	X	-.695	-.695	0	%100
4	M20	Z	-.402	-.402	0	%100
5	M32	X	-.695	-.695	0	%100
6	M32	Z	-.402	-.402	0	%100
7	M33A	X	-2.782	-2.782	0	%100
8	M33A	Z	-1.606	-1.606	0	%100
9	M41A	X	-.575	-.575	0	%100
10	M41A	Z	-.332	-.332	0	%100
11	M42_1	X	-.575	-.575	0	%100
12	M42_1	Z	-.332	-.332	0	%100
13	M43A_1	X	-.9	-.9	0	%100
14	M43A_1	Z	-.52	-.52	0	%100
15	M46A	X	-2.589	-2.589	0	%100
16	M46A	Z	-1.495	-1.495	0	%100
17	M47	X	-.647	-.647	0	%100
18	M47	Z	-.374	-.374	0	%100
19	M64	X	-2.664	-2.664	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,%]
20	M64	Z	-1.538	-1.538	0	%100
21	M65	X	-.897	-.897	0	%100
22	M65	Z	-.518	-.518	0	%100
23	M71	X	-.924	-.924	0	%100
24	M71	Z	-.533	-.533	0	%100
25	M86	X	-2.664	-2.664	0	%100
26	M86	Z	-1.538	-1.538	0	%100
27	M87	X	-3.587	-3.587	0	%100
28	M87	Z	-2.071	-2.071	0	%100
29	M90	X	-3.695	-3.695	0	%100
30	M90	Z	-2.133	-2.133	0	%100
31	M50A	X	0	0	0	%100
32	M50A	Z	0	0	0	%100
33	M51A	X	-2.3	-2.3	0	%100
34	M51A	Z	-1.328	-1.328	0	%100
35	M52	X	-2.3	-2.3	0	%100
36	M52	Z	-1.328	-1.328	0	%100
37	M53A	X	-3.6	-3.6	0	%100
38	M53A	Z	-2.079	-2.079	0	%100
39	M56	X	-.647	-.647	0	%100
40	M56	Z	-.374	-.374	0	%100
41	M57	X	-.647	-.647	0	%100
42	M57	Z	-.374	-.374	0	%100
43	M62	X	0	0	0	%100
44	M62	Z	0	0	0	%100
45	M63	X	-.897	-.897	0	%100
46	M63	Z	-.518	-.518	0	%100
47	M65A	X	-.924	-.924	0	%100
48	M65A	Z	-.533	-.533	0	%100
49	M67	X	0	0	0	%100
50	M67	Z	0	0	0	%100
51	M68A	X	-.897	-.897	0	%100
52	M68A	Z	-.518	-.518	0	%100
53	M70	X	-.924	-.924	0	%100
54	M70	Z	-.533	-.533	0	%100
55	M72A	X	-2.208	-2.208	0	%100
56	M72A	Z	-1.275	-1.275	0	%100
57	M73	X	-.575	-.575	0	%100
58	M73	Z	-.332	-.332	0	%100
59	M74	X	-.575	-.575	0	%100
60	M74	Z	-.332	-.332	0	%100
61	M75	X	-.9	-.9	0	%100
62	M75	Z	-.52	-.52	0	%100
63	M78	X	-.647	-.647	0	%100
64	M78	Z	-.374	-.374	0	%100
65	M79	X	-2.589	-2.589	0	%100
66	M79	Z	-1.495	-1.495	0	%100
67	M84	X	-2.664	-2.664	0	%100
68	M84	Z	-1.538	-1.538	0	%100
69	M85	X	-3.587	-3.587	0	%100
70	M85	Z	-2.071	-2.071	0	%100
71	M87A	X	-3.695	-3.695	0	%100
72	M87A	Z	-2.133	-2.133	0	%100
73	M89A	X	-2.664	-2.664	0	%100
74	M89A	Z	-1.538	-1.538	0	%100
75	M90A	X	-.897	-.897	0	%100
76	M90A	Z	-.518	-.518	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,%]
77	M92	X	-.924	-.924	0	%100
78	M92	Z	-.533	-.533	0	%100
79	M71B	X	-2.575	-2.575	0	%100
80	M71B	Z	-1.487	-1.487	0	%100
81	M72B	X	-2.575	-2.575	0	%100
82	M72B	Z	-1.487	-1.487	0	%100
83	M73A	X	-.989	-.989	0	%100
84	M73A	Z	-.571	-.571	0	%100
85	MP4A	X	-2.48	-2.48	0	%100
86	MP4A	Z	-1.432	-1.432	0	%100
87	MP3A	X	-2.48	-2.48	0	%100
88	MP3A	Z	-1.432	-1.432	0	%100
89	MP2A	X	-2.48	-2.48	0	%100
90	MP2A	Z	-1.432	-1.432	0	%100
91	MP1A	X	-2.48	-2.48	0	%100
92	MP1A	Z	-1.432	-1.432	0	%100
93	MP4B	X	-2.48	-2.48	0	%100
94	MP4B	Z	-1.432	-1.432	0	%100
95	MP3B	X	-2.48	-2.48	0	%100
96	MP3B	Z	-1.432	-1.432	0	%100
97	MP2B	X	-2.48	-2.48	0	%100
98	MP2B	Z	-1.432	-1.432	0	%100
99	MP1B	X	-2.48	-2.48	0	%100
100	MP1B	Z	-1.432	-1.432	0	%100
101	OVP2	X	-1.631	-1.631	0	%100
102	OVP2	Z	-.942	-.942	0	%100
103	OVP1	X	-1.631	-1.631	0	%100
104	OVP1	Z	-.942	-.942	0	%100
105	MP4C	X	-2.48	-2.48	0	%100
106	MP4C	Z	-1.432	-1.432	0	%100
107	MP3C	X	-2.48	-2.48	0	%100
108	MP3C	Z	-1.432	-1.432	0	%100
109	MP2C	X	-2.48	-2.48	0	%100
110	MP2C	Z	-1.432	-1.432	0	%100
111	MP1C	X	-2.48	-2.48	0	%100
112	MP1C	Z	-1.432	-1.432	0	%100
113	M101	X	-.62	-.62	0	%100
114	M101	Z	-.358	-.358	0	%100
115	M108	X	-.62	-.62	0	%100
116	M108	Z	-.358	-.358	0	%100
117	M115	X	-2.48	-2.48	0	%100
118	M115	Z	-1.432	-1.432	0	%100
119	M122	X	-.661	-.661	0	%100
120	M122	Z	-.382	-.382	0	%100
121	M123	X	-.661	-.661	0	%100
122	M123	Z	-.382	-.382	0	%100
123	M124	X	-2.644	-2.644	0	%100
124	M124	Z	-1.526	-1.526	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	M13	X	-1.699	-1.699	0	%100
2	M13	Z	-2.943	-2.943	0	%100
3	M20	X	-1.205	-1.205	0	%100
4	M20	Z	-2.086	-2.086	0	%100
5	M32	X	0	0	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,%]
6	M32	Z	0	0	0	%100
7	M33A	X	-1.205	-1.205	0	%100
8	M33A	Z	-2.086	-2.086	0	%100
9	M41A	X	0	0	0	%100
10	M41A	Z	0	0	0	%100
11	M42_1	X	0	0	0	%100
12	M42_1	Z	0	0	0	%100
13	M43A_1	X	0	0	0	%100
14	M43A_1	Z	0	0	0	%100
15	M46A	X	-1.121	-1.121	0	%100
16	M46A	Z	-1.942	-1.942	0	%100
17	M47	X	-1.121	-1.121	0	%100
18	M47	Z	-1.942	-1.942	0	%100
19	M64	X	-2.05	-2.05	0	%100
20	M64	Z	-3.551	-3.551	0	%100
21	M65	X	-1.553	-1.553	0	%100
22	M65	Z	-2.69	-2.69	0	%100
23	M71	X	-1.6	-1.6	0	%100
24	M71	Z	-2.771	-2.771	0	%100
25	M86	X	-2.05	-2.05	0	%100
26	M86	Z	-3.551	-3.551	0	%100
27	M87	X	-1.553	-1.553	0	%100
28	M87	Z	-2.69	-2.69	0	%100
29	M90	X	-1.6	-1.6	0	%100
30	M90	Z	-2.771	-2.771	0	%100
31	M50A	X	-.425	-.425	0	%100
32	M50A	Z	-.736	-.736	0	%100
33	M51A	X	-.996	-.996	0	%100
34	M51A	Z	-1.725	-1.725	0	%100
35	M52	X	-.996	-.996	0	%100
36	M52	Z	-1.725	-1.725	0	%100
37	M53A	X	-1.559	-1.559	0	%100
38	M53A	Z	-2.7	-2.7	0	%100
39	M56	X	-1.121	-1.121	0	%100
40	M56	Z	-1.942	-1.942	0	%100
41	M57	X	0	0	0	%100
42	M57	Z	0	0	0	%100
43	M62	X	-.513	-.513	0	%100
44	M62	Z	-.888	-.888	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	0	0	0	%100
47	M65A	X	0	0	0	%100
48	M65A	Z	0	0	0	%100
49	M67	X	-.513	-.513	0	%100
50	M67	Z	-.888	-.888	0	%100
51	M68A	X	-1.553	-1.553	0	%100
52	M68A	Z	-2.69	-2.69	0	%100
53	M70	X	-1.6	-1.6	0	%100
54	M70	Z	-2.771	-2.771	0	%100
55	M72A	X	-.425	-.425	0	%100
56	M72A	Z	-.736	-.736	0	%100
57	M73	X	-.996	-.996	0	%100
58	M73	Z	-1.725	-1.725	0	%100
59	M74	X	-.996	-.996	0	%100
60	M74	Z	-1.725	-1.725	0	%100
61	M75	X	-1.559	-1.559	0	%100
62	M75	Z	-2.7	-2.7	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,%]
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79	X	-1.121	-1.121	0	%100
66	M79	Z	-1.942	-1.942	0	%100
67	M84	X	-.513	-.513	0	%100
68	M84	Z	-.888	-.888	0	%100
69	M85	X	-1.553	-1.553	0	%100
70	M85	Z	-2.69	-2.69	0	%100
71	M87A	X	-1.6	-1.6	0	%100
72	M87A	Z	-2.771	-2.771	0	%100
73	M89A	X	-.513	-.513	0	%100
74	M89A	Z	-.888	-.888	0	%100
75	M90A	X	0	0	0	%100
76	M90A	Z	0	0	0	%100
77	M92	X	0	0	0	%100
78	M92	Z	0	0	0	%100
79	M71B	X	-1.792	-1.792	0	%100
80	M71B	Z	-3.104	-3.104	0	%100
81	M72B	X	-.876	-.876	0	%100
82	M72B	Z	-1.517	-1.517	0	%100
83	M73A	X	-.876	-.876	0	%100
84	M73A	Z	-1.517	-1.517	0	%100
85	MP4A	X	-1.432	-1.432	0	%100
86	MP4A	Z	-2.48	-2.48	0	%100
87	MP3A	X	-1.432	-1.432	0	%100
88	MP3A	Z	-2.48	-2.48	0	%100
89	MP2A	X	-1.432	-1.432	0	%100
90	MP2A	Z	-2.48	-2.48	0	%100
91	MP1A	X	-1.432	-1.432	0	%100
92	MP1A	Z	-2.48	-2.48	0	%100
93	MP4B	X	-1.432	-1.432	0	%100
94	MP4B	Z	-2.48	-2.48	0	%100
95	MP3B	X	-1.432	-1.432	0	%100
96	MP3B	Z	-2.48	-2.48	0	%100
97	MP2B	X	-1.432	-1.432	0	%100
98	MP2B	Z	-2.48	-2.48	0	%100
99	MP1B	X	-1.432	-1.432	0	%100
100	MP1B	Z	-2.48	-2.48	0	%100
101	OVP2	X	-.942	-.942	0	%100
102	OVP2	Z	-1.631	-1.631	0	%100
103	OVP1	X	-.942	-.942	0	%100
104	OVP1	Z	-1.631	-1.631	0	%100
105	MP4C	X	-1.432	-1.432	0	%100
106	MP4C	Z	-2.48	-2.48	0	%100
107	MP3C	X	-1.432	-1.432	0	%100
108	MP3C	Z	-2.48	-2.48	0	%100
109	MP2C	X	-1.432	-1.432	0	%100
110	MP2C	Z	-2.48	-2.48	0	%100
111	MP1C	X	-1.432	-1.432	0	%100
112	MP1C	Z	-2.48	-2.48	0	%100
113	M101	X	-1.074	-1.074	0	%100
114	M101	Z	-1.86	-1.86	0	%100
115	M108	X	0	0	0	%100
116	M108	Z	0	0	0	%100
117	M115	X	-1.074	-1.074	0	%100
118	M115	Z	-1.86	-1.86	0	%100
119	M122	X	0	0	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,%]
120	M122	Z	0	0	0	%100
121	M123	X	-1.145	-1.145	0	%100
122	M123	Z	-1.983	-1.983	0	%100
123	M124	X	-1.145	-1.145	0	%100
124	M124	Z	-1.983	-1.983	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	M13	X	0	0	0	%100
2	M13	Z	-.577	-.577	0	%100
3	M20	X	0	0	0	%100
4	M20	Z	-.702	-.702	0	%100
5	M32	X	0	0	0	%100
6	M32	Z	-.176	-.176	0	%100
7	M33A	X	0	0	0	%100
8	M33A	Z	-.176	-.176	0	%100
9	M41A	X	0	0	0	%100
10	M41A	Z	-.151	-.151	0	%100
11	M42_1	X	0	0	0	%100
12	M42_1	Z	-.151	-.151	0	%100
13	M43A_1	X	0	0	0	%100
14	M43A_1	Z	-.301	-.301	0	%100
15	M46A	X	0	0	0	%100
16	M46A	Z	-.164	-.164	0	%100
17	M47	X	0	0	0	%100
18	M47	Z	-.656	-.656	0	%100
19	M64	X	0	0	0	%100
20	M64	Z	-.909	-.909	0	%100
21	M65	X	0	0	0	%100
22	M65	Z	-1.226	-1.226	0	%100
23	M71	X	0	0	0	%100
24	M71	Z	-1.271	-1.271	0	%100
25	M86	X	0	0	0	%100
26	M86	Z	-.909	-.909	0	%100
27	M87	X	0	0	0	%100
28	M87	Z	-.307	-.307	0	%100
29	M90	X	0	0	0	%100
30	M90	Z	-.318	-.318	0	%100
31	M50A	X	0	0	0	%100
32	M50A	Z	-.577	-.577	0	%100
33	M51A	X	0	0	0	%100
34	M51A	Z	-.151	-.151	0	%100
35	M52	X	0	0	0	%100
36	M52	Z	-.151	-.151	0	%100
37	M53A	X	0	0	0	%100
38	M53A	Z	-.301	-.301	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	-.655	-.655	0	%100
41	M57	X	0	0	0	%100
42	M57	Z	-.164	-.164	0	%100
43	M62	X	0	0	0	%100
44	M62	Z	-.909	-.909	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	-.307	-.307	0	%100
47	M65A	X	0	0	0	%100
48	M65A	Z	-.318	-.318	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,%]
49	M67	X	0	0	0	%100
50	M67	Z	-.909	-.909	0	%100
51	M68A	X	0	0	0	%100
52	M68A	Z	-1.226	-1.226	0	%100
53	M70	X	0	0	0	%100
54	M70	Z	-1.271	-1.271	0	%100
55	M72A	X	0	0	0	%100
56	M72A	Z	0	0	0	%100
57	M73	X	0	0	0	%100
58	M73	Z	-.605	-.605	0	%100
59	M74	X	0	0	0	%100
60	M74	Z	-.605	-.605	0	%100
61	M75	X	0	0	0	%100
62	M75	Z	-1.204	-1.204	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	-.164	-.164	0	%100
65	M79	X	0	0	0	%100
66	M79	Z	-.164	-.164	0	%100
67	M84	X	0	0	0	%100
68	M84	Z	0	0	0	%100
69	M85	X	0	0	0	%100
70	M85	Z	-.307	-.307	0	%100
71	M87A	X	0	0	0	%100
72	M87A	Z	-.318	-.318	0	%100
73	M89A	X	0	0	0	%100
74	M89A	Z	0	0	0	%100
75	M90A	X	0	0	0	%100
76	M90A	Z	-.307	-.307	0	%100
77	M92	X	0	0	0	%100
78	M92	Z	-.318	-.318	0	%100
79	M71B	X	0	0	0	%100
80	M71B	Z	-.705	-.705	0	%100
81	M72B	X	0	0	0	%100
82	M72B	Z	-.31	-.31	0	%100
83	M73A	X	0	0	0	%100
84	M73A	Z	-.705	-.705	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	-.577	-.577	0	%100
87	MP3A	X	0	0	0	%100
88	MP3A	Z	-.577	-.577	0	%100
89	MP2A	X	0	0	0	%100
90	MP2A	Z	-.577	-.577	0	%100
91	MP1A	X	0	0	0	%100
92	MP1A	Z	-.577	-.577	0	%100
93	MP4B	X	0	0	0	%100
94	MP4B	Z	-.577	-.577	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	-.577	-.577	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-.577	-.577	0	%100
99	MP1B	X	0	0	0	%100
100	MP1B	Z	-.577	-.577	0	%100
101	OVP2	X	0	0	0	%100
102	OVP2	Z	-.345	-.345	0	%100
103	OVP1	X	0	0	0	%100
104	OVP1	Z	-.345	-.345	0	%100
105	MP4C	X	0	0	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,%]
106	MP4C	Z	-.577	-.577	0	%100
107	MP3C	X	0	0	0	%100
108	MP3C	Z	-.577	-.577	0	%100
109	MP2C	X	0	0	0	%100
110	MP2C	Z	-.577	-.577	0	%100
111	MP1C	X	0	0	0	%100
112	MP1C	Z	-.577	-.577	0	%100
113	M101	X	0	0	0	%100
114	M101	Z	-.577	-.577	0	%100
115	M108	X	0	0	0	%100
116	M108	Z	-.144	-.144	0	%100
117	M115	X	0	0	0	%100
118	M115	Z	-.144	-.144	0	%100
119	M122	X	0	0	0	%100
120	M122	Z	-.187	-.187	0	%100
121	M123	X	0	0	0	%100
122	M123	Z	-.747	-.747	0	%100
123	M124	X	0	0	0	%100
124	M124	Z	-.187	-.187	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	M13	X	.096	.096	0	%100
2	M13	Z	-.167	-.167	0	%100
3	M20	X	.263	.263	0	%100
4	M20	Z	-.456	-.456	0	%100
5	M32	X	.263	.263	0	%100
6	M32	Z	-.456	-.456	0	%100
7	M33A	X	0	0	0	%100
8	M33A	Z	0	0	0	%100
9	M41A	X	.227	.227	0	%100
10	M41A	Z	-.393	-.393	0	%100
11	M42_1	X	.227	.227	0	%100
12	M42_1	Z	-.393	-.393	0	%100
13	M43A_1	X	.452	.452	0	%100
14	M43A_1	Z	-.782	-.782	0	%100
15	M46A	X	0	0	0	%100
16	M46A	Z	0	0	0	%100
17	M47	X	.246	.246	0	%100
18	M47	Z	-.426	-.426	0	%100
19	M64	X	.151	.151	0	%100
20	M64	Z	-.262	-.262	0	%100
21	M65	X	.46	.46	0	%100
22	M65	Z	-.797	-.797	0	%100
23	M71	X	.477	.477	0	%100
24	M71	Z	-.825	-.825	0	%100
25	M86	X	.151	.151	0	%100
26	M86	Z	-.262	-.262	0	%100
27	M87	X	0	0	0	%100
28	M87	Z	0	0	0	%100
29	M90	X	0	0	0	%100
30	M90	Z	0	0	0	%100
31	M50A	X	.385	.385	0	%100
32	M50A	Z	-.666	-.666	0	%100
33	M51A	X	0	0	0	%100
34	M51A	Z	0	0	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,%]
35	M52	X	0	0	0	%100
36	M52	Z	0	0	0	%100
37	M53A	X	0	0	0	%100
38	M53A	Z	0	0	0	%100
39	M56	X	.246	.246	0	%100
40	M56	Z	-.426	-.426	0	%100
41	M57	X	.246	.246	0	%100
42	M57	Z	-.426	-.426	0	%100
43	M62	X	.606	.606	0	%100
44	M62	Z	-1.049	-1.049	0	%100
45	M63	X	.46	.46	0	%100
46	M63	Z	-.797	-.797	0	%100
47	M65A	X	.477	.477	0	%100
48	M65A	Z	-.825	-.825	0	%100
49	M67	X	.606	.606	0	%100
50	M67	Z	-1.049	-1.049	0	%100
51	M68A	X	.46	.46	0	%100
52	M68A	Z	-.797	-.797	0	%100
53	M70	X	.477	.477	0	%100
54	M70	Z	-.825	-.825	0	%100
55	M72A	X	.096	.096	0	%100
56	M72A	Z	-.167	-.167	0	%100
57	M73	X	.227	.227	0	%100
58	M73	Z	-.393	-.393	0	%100
59	M74	X	.227	.227	0	%100
60	M74	Z	-.393	-.393	0	%100
61	M75	X	.452	.452	0	%100
62	M75	Z	-.782	-.782	0	%100
63	M78	X	.246	.246	0	%100
64	M78	Z	-.426	-.426	0	%100
65	M79	X	0	0	0	%100
66	M79	Z	0	0	0	%100
67	M84	X	.151	.151	0	%100
68	M84	Z	-.262	-.262	0	%100
69	M85	X	0	0	0	%100
70	M85	Z	0	0	0	%100
71	M87A	X	0	0	0	%100
72	M87A	Z	0	0	0	%100
73	M89A	X	.151	.151	0	%100
74	M89A	Z	-.262	-.262	0	%100
75	M90A	X	.46	.46	0	%100
76	M90A	Z	-.797	-.797	0	%100
77	M92	X	.477	.477	0	%100
78	M92	Z	-.825	-.825	0	%100
79	M71B	X	.221	.221	0	%100
80	M71B	Z	-.383	-.383	0	%100
81	M72B	X	.221	.221	0	%100
82	M72B	Z	-.383	-.383	0	%100
83	M73A	X	.418	.418	0	%100
84	M73A	Z	-.724	-.724	0	%100
85	MP4A	X	.288	.288	0	%100
86	MP4A	Z	-.5	-.5	0	%100
87	MP3A	X	.288	.288	0	%100
88	MP3A	Z	-.5	-.5	0	%100
89	MP2A	X	.288	.288	0	%100
90	MP2A	Z	-.5	-.5	0	%100
91	MP1A	X	.288	.288	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,%]
92	MP1A	Z	-.5	-.5	0	%100
93	MP4B	X	.288	.288	0	%100
94	MP4B	Z	-.5	-.5	0	%100
95	MP3B	X	.288	.288	0	%100
96	MP3B	Z	-.5	-.5	0	%100
97	MP2B	X	.288	.288	0	%100
98	MP2B	Z	-.5	-.5	0	%100
99	MP1B	X	.288	.288	0	%100
100	MP1B	Z	-.5	-.5	0	%100
101	OVP2	X	.173	.173	0	%100
102	OVP2	Z	-.299	-.299	0	%100
103	OVP1	X	.173	.173	0	%100
104	OVP1	Z	-.299	-.299	0	%100
105	MP4C	X	.288	.288	0	%100
106	MP4C	Z	-.5	-.5	0	%100
107	MP3C	X	.288	.288	0	%100
108	MP3C	Z	-.5	-.5	0	%100
109	MP2C	X	.288	.288	0	%100
110	MP2C	Z	-.5	-.5	0	%100
111	MP1C	X	.288	.288	0	%100
112	MP1C	Z	-.5	-.5	0	%100
113	M101	X	.216	.216	0	%100
114	M101	Z	-.375	-.375	0	%100
115	M108	X	.216	.216	0	%100
116	M108	Z	-.375	-.375	0	%100
117	M115	X	0	0	0	%100
118	M115	Z	0	0	0	%100
119	M122	X	.28	.28	0	%100
120	M122	Z	-.485	-.485	0	%100
121	M123	X	.28	.28	0	%100
122	M123	Z	-.485	-.485	0	%100
123	M124	X	0	0	0	%100
124	M124	Z	0	0	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	M13	X	0	0	0	%100
2	M13	Z	0	0	0	%100
3	M20	X	.152	.152	0	%100
4	M20	Z	-.088	-.088	0	%100
5	M32	X	.608	.608	0	%100
6	M32	Z	-.351	-.351	0	%100
7	M33A	X	.152	.152	0	%100
8	M33A	Z	-.088	-.088	0	%100
9	M41A	X	.524	.524	0	%100
10	M41A	Z	-.302	-.302	0	%100
11	M42_1	X	.524	.524	0	%100
12	M42_1	Z	-.302	-.302	0	%100
13	M43A_1	X	1.043	1.043	0	%100
14	M43A_1	Z	-.602	-.602	0	%100
15	M46A	X	.142	.142	0	%100
16	M46A	Z	-.082	-.082	0	%100
17	M47	X	.142	.142	0	%100
18	M47	Z	-.082	-.082	0	%100
19	M64	X	0	0	0	%100
20	M64	Z	0	0	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,%]
21	M65	X	.266	.266	0	%100
22	M65	Z	-.153	-.153	0	%100
23	M71	X	.275	.275	0	%100
24	M71	Z	-.159	-.159	0	%100
25	M86	X	0	0	0	%100
26	M86	Z	0	0	0	%100
27	M87	X	.266	.266	0	%100
28	M87	Z	-.153	-.153	0	%100
29	M90	X	.275	.275	0	%100
30	M90	Z	-.159	-.159	0	%100
31	M50A	X	.5	.5	0	%100
32	M50A	Z	-.289	-.289	0	%100
33	M51A	X	.131	.131	0	%100
34	M51A	Z	-.076	-.076	0	%100
35	M52	X	.131	.131	0	%100
36	M52	Z	-.076	-.076	0	%100
37	M53A	X	.261	.261	0	%100
38	M53A	Z	-.15	-.15	0	%100
39	M56	X	.142	.142	0	%100
40	M56	Z	-.082	-.082	0	%100
41	M57	X	.568	.568	0	%100
42	M57	Z	-.328	-.328	0	%100
43	M62	X	.787	.787	0	%100
44	M62	Z	-.454	-.454	0	%100
45	M63	X	1.062	1.062	0	%100
46	M63	Z	-.613	-.613	0	%100
47	M65A	X	1.101	1.101	0	%100
48	M65A	Z	-.635	-.635	0	%100
49	M67	X	.787	.787	0	%100
50	M67	Z	-.454	-.454	0	%100
51	M68A	X	.266	.266	0	%100
52	M68A	Z	-.153	-.153	0	%100
53	M70	X	.275	.275	0	%100
54	M70	Z	-.159	-.159	0	%100
55	M72A	X	.5	.5	0	%100
56	M72A	Z	-.289	-.289	0	%100
57	M73	X	.131	.131	0	%100
58	M73	Z	-.076	-.076	0	%100
59	M74	X	.131	.131	0	%100
60	M74	Z	-.076	-.076	0	%100
61	M75	X	.261	.261	0	%100
62	M75	Z	-.15	-.15	0	%100
63	M78	X	.568	.568	0	%100
64	M78	Z	-.328	-.328	0	%100
65	M79	X	.142	.142	0	%100
66	M79	Z	-.082	-.082	0	%100
67	M84	X	.787	.787	0	%100
68	M84	Z	-.454	-.454	0	%100
69	M85	X	.266	.266	0	%100
70	M85	Z	-.153	-.153	0	%100
71	M87A	X	.275	.275	0	%100
72	M87A	Z	-.159	-.159	0	%100
73	M89A	X	.787	.787	0	%100
74	M89A	Z	-.454	-.454	0	%100
75	M90A	X	1.062	1.062	0	%100
76	M90A	Z	-.613	-.613	0	%100
77	M92	X	1.101	1.101	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,%]
78	M92	Z	-.635	-.635	0	%100
79	M71B	X	.269	.269	0	%100
80	M71B	Z	-.155	-.155	0	%100
81	M72B	X	.61	.61	0	%100
82	M72B	Z	-.352	-.352	0	%100
83	M73A	X	.61	.61	0	%100
84	M73A	Z	-.352	-.352	0	%100
85	MP4A	X	.5	.5	0	%100
86	MP4A	Z	-.288	-.288	0	%100
87	MP3A	X	.5	.5	0	%100
88	MP3A	Z	-.288	-.288	0	%100
89	MP2A	X	.5	.5	0	%100
90	MP2A	Z	-.288	-.288	0	%100
91	MP1A	X	.5	.5	0	%100
92	MP1A	Z	-.288	-.288	0	%100
93	MP4B	X	.5	.5	0	%100
94	MP4B	Z	-.288	-.288	0	%100
95	MP3B	X	.5	.5	0	%100
96	MP3B	Z	-.288	-.288	0	%100
97	MP2B	X	.5	.5	0	%100
98	MP2B	Z	-.288	-.288	0	%100
99	MP1B	X	.5	.5	0	%100
100	MP1B	Z	-.288	-.288	0	%100
101	OVP2	X	.299	.299	0	%100
102	OVP2	Z	-.173	-.173	0	%100
103	OVP1	X	.299	.299	0	%100
104	OVP1	Z	-.173	-.173	0	%100
105	MP4C	X	.5	.5	0	%100
106	MP4C	Z	-.288	-.288	0	%100
107	MP3C	X	.5	.5	0	%100
108	MP3C	Z	-.288	-.288	0	%100
109	MP2C	X	.5	.5	0	%100
110	MP2C	Z	-.288	-.288	0	%100
111	MP1C	X	.5	.5	0	%100
112	MP1C	Z	-.288	-.288	0	%100
113	M101	X	.125	.125	0	%100
114	M101	Z	-.072	-.072	0	%100
115	M108	X	.5	.5	0	%100
116	M108	Z	-.288	-.288	0	%100
117	M115	X	.125	.125	0	%100
118	M115	Z	-.072	-.072	0	%100
119	M122	X	.647	.647	0	%100
120	M122	Z	-.374	-.374	0	%100
121	M123	X	.162	.162	0	%100
122	M123	Z	-.093	-.093	0	%100
123	M124	X	.162	.162	0	%100
124	M124	Z	-.093	-.093	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	M13	X	.192	.192	0	%100
2	M13	Z	0	0	0	%100
3	M20	X	0	0	0	%100
4	M20	Z	0	0	0	%100
5	M32	X	.527	.527	0	%100
6	M32	Z	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,%]
7	M33A	X	.527	.527	0	%100
8	M33A	Z	0	0	0	%100
9	M41A	X	.454	.454	0	%100
10	M41A	Z	0	0	0	%100
11	M42_1	X	.454	.454	0	%100
12	M42_1	Z	0	0	0	%100
13	M43A_1	X	.903	.903	0	%100
14	M43A_1	Z	0	0	0	%100
15	M46A	X	.492	.492	0	%100
16	M46A	Z	0	0	0	%100
17	M47	X	0	0	0	%100
18	M47	Z	0	0	0	%100
19	M64	X	.303	.303	0	%100
20	M64	Z	0	0	0	%100
21	M65	X	0	0	0	%100
22	M65	Z	0	0	0	%100
23	M71	X	0	0	0	%100
24	M71	Z	0	0	0	%100
25	M86	X	.303	.303	0	%100
26	M86	Z	0	0	0	%100
27	M87	X	.92	.92	0	%100
28	M87	Z	0	0	0	%100
29	M90	X	.953	.953	0	%100
30	M90	Z	0	0	0	%100
31	M50A	X	.192	.192	0	%100
32	M50A	Z	0	0	0	%100
33	M51A	X	.454	.454	0	%100
34	M51A	Z	0	0	0	%100
35	M52	X	.454	.454	0	%100
36	M52	Z	0	0	0	%100
37	M53A	X	.903	.903	0	%100
38	M53A	Z	0	0	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	0	0	0	%100
41	M57	X	.492	.492	0	%100
42	M57	Z	0	0	0	%100
43	M62	X	.303	.303	0	%100
44	M62	Z	0	0	0	%100
45	M63	X	.92	.92	0	%100
46	M63	Z	0	0	0	%100
47	M65A	X	.953	.953	0	%100
48	M65A	Z	0	0	0	%100
49	M67	X	.303	.303	0	%100
50	M67	Z	0	0	0	%100
51	M68A	X	0	0	0	%100
52	M68A	Z	0	0	0	%100
53	M70	X	0	0	0	%100
54	M70	Z	0	0	0	%100
55	M72A	X	.769	.769	0	%100
56	M72A	Z	0	0	0	%100
57	M73	X	0	0	0	%100
58	M73	Z	0	0	0	%100
59	M74	X	0	0	0	%100
60	M74	Z	0	0	0	%100
61	M75	X	0	0	0	%100
62	M75	Z	0	0	0	%100
63	M78	X	.492	.492	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,%]
64	M78	Z	0	0	0	%100
65	M79	X	.492	.492	0	%100
66	M79	Z	0	0	0	%100
67	M84	X	1.211	1.211	0	%100
68	M84	Z	0	0	0	%100
69	M85	X	.92	.92	0	%100
70	M85	Z	0	0	0	%100
71	M87A	X	.953	.953	0	%100
72	M87A	Z	0	0	0	%100
73	M89A	X	1.211	1.211	0	%100
74	M89A	Z	0	0	0	%100
75	M90A	X	.92	.92	0	%100
76	M90A	Z	0	0	0	%100
77	M92	X	.953	.953	0	%100
78	M92	Z	0	0	0	%100
79	M71B	X	.442	.442	0	%100
80	M71B	Z	0	0	0	%100
81	M72B	X	.836	.836	0	%100
82	M72B	Z	0	0	0	%100
83	M73A	X	.442	.442	0	%100
84	M73A	Z	0	0	0	%100
85	MP4A	X	.577	.577	0	%100
86	MP4A	Z	0	0	0	%100
87	MP3A	X	.577	.577	0	%100
88	MP3A	Z	0	0	0	%100
89	MP2A	X	.577	.577	0	%100
90	MP2A	Z	0	0	0	%100
91	MP1A	X	.577	.577	0	%100
92	MP1A	Z	0	0	0	%100
93	MP4B	X	.577	.577	0	%100
94	MP4B	Z	0	0	0	%100
95	MP3B	X	.577	.577	0	%100
96	MP3B	Z	0	0	0	%100
97	MP2B	X	.577	.577	0	%100
98	MP2B	Z	0	0	0	%100
99	MP1B	X	.577	.577	0	%100
100	MP1B	Z	0	0	0	%100
101	OVP2	X	.345	.345	0	%100
102	OVP2	Z	0	0	0	%100
103	OVP1	X	.345	.345	0	%100
104	OVP1	Z	0	0	0	%100
105	MP4C	X	.577	.577	0	%100
106	MP4C	Z	0	0	0	%100
107	MP3C	X	.577	.577	0	%100
108	MP3C	Z	0	0	0	%100
109	MP2C	X	.577	.577	0	%100
110	MP2C	Z	0	0	0	%100
111	MP1C	X	.577	.577	0	%100
112	MP1C	Z	0	0	0	%100
113	M101	X	0	0	0	%100
114	M101	Z	0	0	0	%100
115	M108	X	.433	.433	0	%100
116	M108	Z	0	0	0	%100
117	M115	X	.433	.433	0	%100
118	M115	Z	0	0	0	%100
119	M122	X	.56	.56	0	%100
120	M122	Z	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,%]
121	M123	X	0	0	0	%100
122	M123	Z	0	0	0	%100
123	M124	X	.56	.56	0	%100
124	M124	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	M13	X	.5	.5	0	%100
2	M13	Z	.289	.289	0	%100
3	M20	X	.152	.152	0	%100
4	M20	Z	.088	.088	0	%100
5	M32	X	.152	.152	0	%100
6	M32	Z	.088	.088	0	%100
7	M33A	X	.608	.608	0	%100
8	M33A	Z	.351	.351	0	%100
9	M41A	X	.131	.131	0	%100
10	M41A	Z	.076	.076	0	%100
11	M42_1	X	.131	.131	0	%100
12	M42_1	Z	.076	.076	0	%100
13	M43A_1	X	.261	.261	0	%100
14	M43A_1	Z	.15	.15	0	%100
15	M46A	X	.568	.568	0	%100
16	M46A	Z	.328	.328	0	%100
17	M47	X	.142	.142	0	%100
18	M47	Z	.082	.082	0	%100
19	M64	X	.787	.787	0	%100
20	M64	Z	.454	.454	0	%100
21	M65	X	.266	.266	0	%100
22	M65	Z	.153	.153	0	%100
23	M71	X	.275	.275	0	%100
24	M71	Z	.159	.159	0	%100
25	M86	X	.787	.787	0	%100
26	M86	Z	.454	.454	0	%100
27	M87	X	1.062	1.062	0	%100
28	M87	Z	.613	.613	0	%100
29	M90	X	1.101	1.101	0	%100
30	M90	Z	.635	.635	0	%100
31	M50A	X	0	0	0	%100
32	M50A	Z	0	0	0	%100
33	M51A	X	.524	.524	0	%100
34	M51A	Z	.302	.302	0	%100
35	M52	X	.524	.524	0	%100
36	M52	Z	.302	.302	0	%100
37	M53A	X	1.043	1.043	0	%100
38	M53A	Z	.602	.602	0	%100
39	M56	X	.142	.142	0	%100
40	M56	Z	.082	.082	0	%100
41	M57	X	.142	.142	0	%100
42	M57	Z	.082	.082	0	%100
43	M62	X	0	0	0	%100
44	M62	Z	0	0	0	%100
45	M63	X	.266	.266	0	%100
46	M63	Z	.153	.153	0	%100
47	M65A	X	.275	.275	0	%100
48	M65A	Z	.159	.159	0	%100
49	M67	X	0	0	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,%]
50	M67	Z	0	0	0	%100
51	M68A	X	.266	.266	0	%100
52	M68A	Z	.153	.153	0	%100
53	M70	X	.275	.275	0	%100
54	M70	Z	.159	.159	0	%100
55	M72A	X	.5	.5	0	%100
56	M72A	Z	.289	.289	0	%100
57	M73	X	.131	.131	0	%100
58	M73	Z	.076	.076	0	%100
59	M74	X	.131	.131	0	%100
60	M74	Z	.076	.076	0	%100
61	M75	X	.261	.261	0	%100
62	M75	Z	.15	.15	0	%100
63	M78	X	.142	.142	0	%100
64	M78	Z	.082	.082	0	%100
65	M79	X	.568	.568	0	%100
66	M79	Z	.328	.328	0	%100
67	M84	X	.787	.787	0	%100
68	M84	Z	.454	.454	0	%100
69	M85	X	1.062	1.062	0	%100
70	M85	Z	.613	.613	0	%100
71	M87A	X	1.101	1.101	0	%100
72	M87A	Z	.635	.635	0	%100
73	M89A	X	.787	.787	0	%100
74	M89A	Z	.454	.454	0	%100
75	M90A	X	.266	.266	0	%100
76	M90A	Z	.153	.153	0	%100
77	M92	X	.275	.275	0	%100
78	M92	Z	.159	.159	0	%100
79	M71B	X	.61	.61	0	%100
80	M71B	Z	.352	.352	0	%100
81	M72B	X	.61	.61	0	%100
82	M72B	Z	.352	.352	0	%100
83	M73A	X	.269	.269	0	%100
84	M73A	Z	.155	.155	0	%100
85	MP4A	X	.5	.5	0	%100
86	MP4A	Z	.288	.288	0	%100
87	MP3A	X	.5	.5	0	%100
88	MP3A	Z	.288	.288	0	%100
89	MP2A	X	.5	.5	0	%100
90	MP2A	Z	.288	.288	0	%100
91	MP1A	X	.5	.5	0	%100
92	MP1A	Z	.288	.288	0	%100
93	MP4B	X	.5	.5	0	%100
94	MP4B	Z	.288	.288	0	%100
95	MP3B	X	.5	.5	0	%100
96	MP3B	Z	.288	.288	0	%100
97	MP2B	X	.5	.5	0	%100
98	MP2B	Z	.288	.288	0	%100
99	MP1B	X	.5	.5	0	%100
100	MP1B	Z	.288	.288	0	%100
101	OVP2	X	.299	.299	0	%100
102	OVP2	Z	.173	.173	0	%100
103	OVP1	X	.299	.299	0	%100
104	OVP1	Z	.173	.173	0	%100
105	MP4C	X	.5	.5	0	%100
106	MP4C	Z	.288	.288	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,%]
107	MP3C	X	.5	.5	0	%100
108	MP3C	Z	.288	.288	0	%100
109	MP2C	X	.5	.5	0	%100
110	MP2C	Z	.288	.288	0	%100
111	MP1C	X	.5	.5	0	%100
112	MP1C	Z	.288	.288	0	%100
113	M101	X	.125	.125	0	%100
114	M101	Z	.072	.072	0	%100
115	M108	X	.125	.125	0	%100
116	M108	Z	.072	.072	0	%100
117	M115	X	.5	.5	0	%100
118	M115	Z	.288	.288	0	%100
119	M122	X	.162	.162	0	%100
120	M122	Z	.093	.093	0	%100
121	M123	X	.162	.162	0	%100
122	M123	Z	.093	.093	0	%100
123	M124	X	.647	.647	0	%100
124	M124	Z	.374	.374	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	M13	X	.385	.385	0	%100
2	M13	Z	.666	.666	0	%100
3	M20	X	.263	.263	0	%100
4	M20	Z	.456	.456	0	%100
5	M32	X	0	0	0	%100
6	M32	Z	0	0	0	%100
7	M33A	X	.263	.263	0	%100
8	M33A	Z	.456	.456	0	%100
9	M41A	X	0	0	0	%100
10	M41A	Z	0	0	0	%100
11	M42_1	X	0	0	0	%100
12	M42_1	Z	0	0	0	%100
13	M43A_1	X	0	0	0	%100
14	M43A_1	Z	0	0	0	%100
15	M46A	X	.246	.246	0	%100
16	M46A	Z	.426	.426	0	%100
17	M47	X	.246	.246	0	%100
18	M47	Z	.426	.426	0	%100
19	M64	X	.606	.606	0	%100
20	M64	Z	1.049	1.049	0	%100
21	M65	X	.46	.46	0	%100
22	M65	Z	.797	.797	0	%100
23	M71	X	.477	.477	0	%100
24	M71	Z	.825	.825	0	%100
25	M86	X	.606	.606	0	%100
26	M86	Z	1.049	1.049	0	%100
27	M87	X	.46	.46	0	%100
28	M87	Z	.797	.797	0	%100
29	M90	X	.477	.477	0	%100
30	M90	Z	.825	.825	0	%100
31	M50A	X	.096	.096	0	%100
32	M50A	Z	.167	.167	0	%100
33	M51A	X	.227	.227	0	%100
34	M51A	Z	.393	.393	0	%100
35	M52	X	.227	.227	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,%]
36	M52	Z	.393	.393	0	%100
37	M53A	X	.452	.452	0	%100
38	M53A	Z	.782	.782	0	%100
39	M56	X	.246	.246	0	%100
40	M56	Z	.426	.426	0	%100
41	M57	X	0	0	0	%100
42	M57	Z	0	0	0	%100
43	M62	X	.151	.151	0	%100
44	M62	Z	.262	.262	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	0	0	0	%100
47	M65A	X	0	0	0	%100
48	M65A	Z	0	0	0	%100
49	M67	X	.151	.151	0	%100
50	M67	Z	.262	.262	0	%100
51	M68A	X	.46	.46	0	%100
52	M68A	Z	.797	.797	0	%100
53	M70	X	.477	.477	0	%100
54	M70	Z	.825	.825	0	%100
55	M72A	X	.096	.096	0	%100
56	M72A	Z	.167	.167	0	%100
57	M73	X	.227	.227	0	%100
58	M73	Z	.393	.393	0	%100
59	M74	X	.227	.227	0	%100
60	M74	Z	.393	.393	0	%100
61	M75	X	.452	.452	0	%100
62	M75	Z	.782	.782	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79	X	.246	.246	0	%100
66	M79	Z	.426	.426	0	%100
67	M84	X	.151	.151	0	%100
68	M84	Z	.262	.262	0	%100
69	M85	X	.46	.46	0	%100
70	M85	Z	.797	.797	0	%100
71	M87A	X	.477	.477	0	%100
72	M87A	Z	.825	.825	0	%100
73	M89A	X	.151	.151	0	%100
74	M89A	Z	.262	.262	0	%100
75	M90A	X	0	0	0	%100
76	M90A	Z	0	0	0	%100
77	M92	X	0	0	0	%100
78	M92	Z	0	0	0	%100
79	M71B	X	.418	.418	0	%100
80	M71B	Z	.724	.724	0	%100
81	M72B	X	.221	.221	0	%100
82	M72B	Z	.383	.383	0	%100
83	M73A	X	.221	.221	0	%100
84	M73A	Z	.383	.383	0	%100
85	MP4A	X	.288	.288	0	%100
86	MP4A	Z	.5	.5	0	%100
87	MP3A	X	.288	.288	0	%100
88	MP3A	Z	.5	.5	0	%100
89	MP2A	X	.288	.288	0	%100
90	MP2A	Z	.5	.5	0	%100
91	MP1A	X	.288	.288	0	%100
92	MP1A	Z	.5	.5	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,%]
93	MP4B	X	.288	.288	0	%100
94	MP4B	Z	.5	.5	0	%100
95	MP3B	X	.288	.288	0	%100
96	MP3B	Z	.5	.5	0	%100
97	MP2B	X	.288	.288	0	%100
98	MP2B	Z	.5	.5	0	%100
99	MP1B	X	.288	.288	0	%100
100	MP1B	Z	.5	.5	0	%100
101	OVP2	X	.173	.173	0	%100
102	OVP2	Z	.299	.299	0	%100
103	OVP1	X	.173	.173	0	%100
104	OVP1	Z	.299	.299	0	%100
105	MP4C	X	.288	.288	0	%100
106	MP4C	Z	.5	.5	0	%100
107	MP3C	X	.288	.288	0	%100
108	MP3C	Z	.5	.5	0	%100
109	MP2C	X	.288	.288	0	%100
110	MP2C	Z	.5	.5	0	%100
111	MP1C	X	.288	.288	0	%100
112	MP1C	Z	.5	.5	0	%100
113	M101	X	.216	.216	0	%100
114	M101	Z	.375	.375	0	%100
115	M108	X	0	0	0	%100
116	M108	Z	0	0	0	%100
117	M115	X	.216	.216	0	%100
118	M115	Z	.375	.375	0	%100
119	M122	X	0	0	0	%100
120	M122	Z	0	0	0	%100
121	M123	X	.28	.28	0	%100
122	M123	Z	.485	.485	0	%100
123	M124	X	.28	.28	0	%100
124	M124	Z	.485	.485	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	M13	X	0	0	0	%100
2	M13	Z	.577	.577	0	%100
3	M20	X	0	0	0	%100
4	M20	Z	.702	.702	0	%100
5	M32	X	0	0	0	%100
6	M32	Z	.176	.176	0	%100
7	M33A	X	0	0	0	%100
8	M33A	Z	.176	.176	0	%100
9	M41A	X	0	0	0	%100
10	M41A	Z	.151	.151	0	%100
11	M42_1	X	0	0	0	%100
12	M42_1	Z	.151	.151	0	%100
13	M43A_1	X	0	0	0	%100
14	M43A_1	Z	.301	.301	0	%100
15	M46A	X	0	0	0	%100
16	M46A	Z	.164	.164	0	%100
17	M47	X	0	0	0	%100
18	M47	Z	.656	.656	0	%100
19	M64	X	0	0	0	%100
20	M64	Z	.909	.909	0	%100
21	M65	X	0	0	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,%]
22	M65	Z	1.226	1.226	0	%100
23	M71	X	0	0	0	%100
24	M71	Z	1.271	1.271	0	%100
25	M86	X	0	0	0	%100
26	M86	Z	.909	.909	0	%100
27	M87	X	0	0	0	%100
28	M87	Z	.307	.307	0	%100
29	M90	X	0	0	0	%100
30	M90	Z	.318	.318	0	%100
31	M50A	X	0	0	0	%100
32	M50A	Z	.577	.577	0	%100
33	M51A	X	0	0	0	%100
34	M51A	Z	.151	.151	0	%100
35	M52	X	0	0	0	%100
36	M52	Z	.151	.151	0	%100
37	M53A	X	0	0	0	%100
38	M53A	Z	.301	.301	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	.655	.655	0	%100
41	M57	X	0	0	0	%100
42	M57	Z	.164	.164	0	%100
43	M62	X	0	0	0	%100
44	M62	Z	.909	.909	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	.307	.307	0	%100
47	M65A	X	0	0	0	%100
48	M65A	Z	.318	.318	0	%100
49	M67	X	0	0	0	%100
50	M67	Z	.909	.909	0	%100
51	M68A	X	0	0	0	%100
52	M68A	Z	1.226	1.226	0	%100
53	M70	X	0	0	0	%100
54	M70	Z	1.271	1.271	0	%100
55	M72A	X	0	0	0	%100
56	M72A	Z	0	0	0	%100
57	M73	X	0	0	0	%100
58	M73	Z	.605	.605	0	%100
59	M74	X	0	0	0	%100
60	M74	Z	.605	.605	0	%100
61	M75	X	0	0	0	%100
62	M75	Z	1.204	1.204	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	.164	.164	0	%100
65	M79	X	0	0	0	%100
66	M79	Z	.164	.164	0	%100
67	M84	X	0	0	0	%100
68	M84	Z	0	0	0	%100
69	M85	X	0	0	0	%100
70	M85	Z	.307	.307	0	%100
71	M87A	X	0	0	0	%100
72	M87A	Z	.318	.318	0	%100
73	M89A	X	0	0	0	%100
74	M89A	Z	0	0	0	%100
75	M90A	X	0	0	0	%100
76	M90A	Z	.307	.307	0	%100
77	M92	X	0	0	0	%100
78	M92	Z	.318	.318	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,%]
79	M71B	X	0	0	0	%100
80	M71B	Z	.705	.705	0	%100
81	M72B	X	0	0	0	%100
82	M72B	Z	.31	.31	0	%100
83	M73A	X	0	0	0	%100
84	M73A	Z	.705	.705	0	%100
85	MP4A	X	0	0	0	%100
86	MP4A	Z	.577	.577	0	%100
87	MP3A	X	0	0	0	%100
88	MP3A	Z	.577	.577	0	%100
89	MP2A	X	0	0	0	%100
90	MP2A	Z	.577	.577	0	%100
91	MP1A	X	0	0	0	%100
92	MP1A	Z	.577	.577	0	%100
93	MP4B	X	0	0	0	%100
94	MP4B	Z	.577	.577	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	.577	.577	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	.577	.577	0	%100
99	MP1B	X	0	0	0	%100
100	MP1B	Z	.577	.577	0	%100
101	OVP2	X	0	0	0	%100
102	OVP2	Z	.345	.345	0	%100
103	OVP1	X	0	0	0	%100
104	OVP1	Z	.345	.345	0	%100
105	MP4C	X	0	0	0	%100
106	MP4C	Z	.577	.577	0	%100
107	MP3C	X	0	0	0	%100
108	MP3C	Z	.577	.577	0	%100
109	MP2C	X	0	0	0	%100
110	MP2C	Z	.577	.577	0	%100
111	MP1C	X	0	0	0	%100
112	MP1C	Z	.577	.577	0	%100
113	M101	X	0	0	0	%100
114	M101	Z	.577	.577	0	%100
115	M108	X	0	0	0	%100
116	M108	Z	.144	.144	0	%100
117	M115	X	0	0	0	%100
118	M115	Z	.144	.144	0	%100
119	M122	X	0	0	0	%100
120	M122	Z	.187	.187	0	%100
121	M123	X	0	0	0	%100
122	M123	Z	.747	.747	0	%100
123	M124	X	0	0	0	%100
124	M124	Z	.187	.187	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	M13	X	-.096	-.096	0	%100
2	M13	Z	.167	.167	0	%100
3	M20	X	-.263	-.263	0	%100
4	M20	Z	.456	.456	0	%100
5	M32	X	-.263	-.263	0	%100
6	M32	Z	.456	.456	0	%100
7	M33A	X	0	0	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,%]
8	M33A	Z	0	0	0	%100
9	M41A	X	-.227	-.227	0	%100
10	M41A	Z	.393	.393	0	%100
11	M42_1	X	-.227	-.227	0	%100
12	M42_1	Z	.393	.393	0	%100
13	M43A_1	X	-.452	-.452	0	%100
14	M43A_1	Z	.782	.782	0	%100
15	M46A	X	0	0	0	%100
16	M46A	Z	0	0	0	%100
17	M47	X	-.246	-.246	0	%100
18	M47	Z	.426	.426	0	%100
19	M64	X	-.151	-.151	0	%100
20	M64	Z	.262	.262	0	%100
21	M65	X	-.46	-.46	0	%100
22	M65	Z	.797	.797	0	%100
23	M71	X	-.477	-.477	0	%100
24	M71	Z	.825	.825	0	%100
25	M86	X	-.151	-.151	0	%100
26	M86	Z	.262	.262	0	%100
27	M87	X	0	0	0	%100
28	M87	Z	0	0	0	%100
29	M90	X	0	0	0	%100
30	M90	Z	0	0	0	%100
31	M50A	X	-.385	-.385	0	%100
32	M50A	Z	.666	.666	0	%100
33	M51A	X	0	0	0	%100
34	M51A	Z	0	0	0	%100
35	M52	X	0	0	0	%100
36	M52	Z	0	0	0	%100
37	M53A	X	0	0	0	%100
38	M53A	Z	0	0	0	%100
39	M56	X	-.246	-.246	0	%100
40	M56	Z	.426	.426	0	%100
41	M57	X	-.246	-.246	0	%100
42	M57	Z	.426	.426	0	%100
43	M62	X	-.606	-.606	0	%100
44	M62	Z	1.049	1.049	0	%100
45	M63	X	-.46	-.46	0	%100
46	M63	Z	.797	.797	0	%100
47	M65A	X	-.477	-.477	0	%100
48	M65A	Z	.825	.825	0	%100
49	M67	X	-.606	-.606	0	%100
50	M67	Z	1.049	1.049	0	%100
51	M68A	X	-.46	-.46	0	%100
52	M68A	Z	.797	.797	0	%100
53	M70	X	-.477	-.477	0	%100
54	M70	Z	.825	.825	0	%100
55	M72A	X	-.096	-.096	0	%100
56	M72A	Z	.167	.167	0	%100
57	M73	X	-.227	-.227	0	%100
58	M73	Z	.393	.393	0	%100
59	M74	X	-.227	-.227	0	%100
60	M74	Z	.393	.393	0	%100
61	M75	X	-.452	-.452	0	%100
62	M75	Z	.782	.782	0	%100
63	M78	X	-.246	-.246	0	%100
64	M78	Z	.426	.426	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,%]
65	M79	X	0	0	0	%100
66	M79	Z	0	0	0	%100
67	M84	X	-.151	-.151	0	%100
68	M84	Z	.262	.262	0	%100
69	M85	X	0	0	0	%100
70	M85	Z	0	0	0	%100
71	M87A	X	0	0	0	%100
72	M87A	Z	0	0	0	%100
73	M89A	X	-.151	-.151	0	%100
74	M89A	Z	.262	.262	0	%100
75	M90A	X	-.46	-.46	0	%100
76	M90A	Z	.797	.797	0	%100
77	M92	X	-.477	-.477	0	%100
78	M92	Z	.825	.825	0	%100
79	M71B	X	-.221	-.221	0	%100
80	M71B	Z	.383	.383	0	%100
81	M72B	X	-.221	-.221	0	%100
82	M72B	Z	.383	.383	0	%100
83	M73A	X	-.418	-.418	0	%100
84	M73A	Z	.724	.724	0	%100
85	MP4A	X	-.288	-.288	0	%100
86	MP4A	Z	.5	.5	0	%100
87	MP3A	X	-.288	-.288	0	%100
88	MP3A	Z	.5	.5	0	%100
89	MP2A	X	-.288	-.288	0	%100
90	MP2A	Z	.5	.5	0	%100
91	MP1A	X	-.288	-.288	0	%100
92	MP1A	Z	.5	.5	0	%100
93	MP4B	X	-.288	-.288	0	%100
94	MP4B	Z	.5	.5	0	%100
95	MP3B	X	-.288	-.288	0	%100
96	MP3B	Z	.5	.5	0	%100
97	MP2B	X	-.288	-.288	0	%100
98	MP2B	Z	.5	.5	0	%100
99	MP1B	X	-.288	-.288	0	%100
100	MP1B	Z	.5	.5	0	%100
101	OVP2	X	-.173	-.173	0	%100
102	OVP2	Z	.299	.299	0	%100
103	OVP1	X	-.173	-.173	0	%100
104	OVP1	Z	.299	.299	0	%100
105	MP4C	X	-.288	-.288	0	%100
106	MP4C	Z	.5	.5	0	%100
107	MP3C	X	-.288	-.288	0	%100
108	MP3C	Z	.5	.5	0	%100
109	MP2C	X	-.288	-.288	0	%100
110	MP2C	Z	.5	.5	0	%100
111	MP1C	X	-.288	-.288	0	%100
112	MP1C	Z	.5	.5	0	%100
113	M101	X	-.216	-.216	0	%100
114	M101	Z	.375	.375	0	%100
115	M108	X	-.216	-.216	0	%100
116	M108	Z	.375	.375	0	%100
117	M115	X	0	0	0	%100
118	M115	Z	0	0	0	%100
119	M122	X	-.28	-.28	0	%100
120	M122	Z	.485	.485	0	%100
121	M123	X	-.28	-.28	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,%]
122	M123	Z	.485	.485	0	%100
123	M124	X	0	0	0	%100
124	M124	Z	0	0	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	M13	X	0	0	0	%100
2	M13	Z	0	0	0	%100
3	M20	X	-.152	-.152	0	%100
4	M20	Z	.088	.088	0	%100
5	M32	X	-.608	-.608	0	%100
6	M32	Z	.351	.351	0	%100
7	M33A	X	-.152	-.152	0	%100
8	M33A	Z	.088	.088	0	%100
9	M41A	X	-.524	-.524	0	%100
10	M41A	Z	.302	.302	0	%100
11	M42_1	X	-.524	-.524	0	%100
12	M42_1	Z	.302	.302	0	%100
13	M43A_1	X	-1.043	-1.043	0	%100
14	M43A_1	Z	.602	.602	0	%100
15	M46A	X	-.142	-.142	0	%100
16	M46A	Z	.082	.082	0	%100
17	M47	X	-.142	-.142	0	%100
18	M47	Z	.082	.082	0	%100
19	M64	X	0	0	0	%100
20	M64	Z	0	0	0	%100
21	M65	X	-.266	-.266	0	%100
22	M65	Z	.153	.153	0	%100
23	M71	X	-.275	-.275	0	%100
24	M71	Z	.159	.159	0	%100
25	M86	X	0	0	0	%100
26	M86	Z	0	0	0	%100
27	M87	X	-.266	-.266	0	%100
28	M87	Z	.153	.153	0	%100
29	M90	X	-.275	-.275	0	%100
30	M90	Z	.159	.159	0	%100
31	M50A	X	-.5	-.5	0	%100
32	M50A	Z	.289	.289	0	%100
33	M51A	X	-.131	-.131	0	%100
34	M51A	Z	.076	.076	0	%100
35	M52	X	-.131	-.131	0	%100
36	M52	Z	.076	.076	0	%100
37	M53A	X	-.261	-.261	0	%100
38	M53A	Z	.15	.15	0	%100
39	M56	X	-.142	-.142	0	%100
40	M56	Z	.082	.082	0	%100
41	M57	X	-.568	-.568	0	%100
42	M57	Z	.328	.328	0	%100
43	M62	X	-.787	-.787	0	%100
44	M62	Z	.454	.454	0	%100
45	M63	X	-1.062	-1.062	0	%100
46	M63	Z	.613	.613	0	%100
47	M65A	X	-1.101	-1.101	0	%100
48	M65A	Z	.635	.635	0	%100
49	M67	X	-.787	-.787	0	%100
50	M67	Z	.454	.454	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,%]
51	M68A	X	-.266	-.266	0	%100
52	M68A	Z	.153	.153	0	%100
53	M70	X	-.275	-.275	0	%100
54	M70	Z	.159	.159	0	%100
55	M72A	X	-.5	-.5	0	%100
56	M72A	Z	.289	.289	0	%100
57	M73	X	-.131	-.131	0	%100
58	M73	Z	.076	.076	0	%100
59	M74	X	-.131	-.131	0	%100
60	M74	Z	.076	.076	0	%100
61	M75	X	-.261	-.261	0	%100
62	M75	Z	.15	.15	0	%100
63	M78	X	-.568	-.568	0	%100
64	M78	Z	.328	.328	0	%100
65	M79	X	-.142	-.142	0	%100
66	M79	Z	.082	.082	0	%100
67	M84	X	-.787	-.787	0	%100
68	M84	Z	.454	.454	0	%100
69	M85	X	-.266	-.266	0	%100
70	M85	Z	.153	.153	0	%100
71	M87A	X	-.275	-.275	0	%100
72	M87A	Z	.159	.159	0	%100
73	M89A	X	-.787	-.787	0	%100
74	M89A	Z	.454	.454	0	%100
75	M90A	X	-1.062	-1.062	0	%100
76	M90A	Z	.613	.613	0	%100
77	M92	X	-1.101	-1.101	0	%100
78	M92	Z	.635	.635	0	%100
79	M71B	X	-.269	-.269	0	%100
80	M71B	Z	.155	.155	0	%100
81	M72B	X	-.61	-.61	0	%100
82	M72B	Z	.352	.352	0	%100
83	M73A	X	-.61	-.61	0	%100
84	M73A	Z	.352	.352	0	%100
85	MP4A	X	-.5	-.5	0	%100
86	MP4A	Z	.288	.288	0	%100
87	MP3A	X	-.5	-.5	0	%100
88	MP3A	Z	.288	.288	0	%100
89	MP2A	X	-.5	-.5	0	%100
90	MP2A	Z	.288	.288	0	%100
91	MP1A	X	-.5	-.5	0	%100
92	MP1A	Z	.288	.288	0	%100
93	MP4B	X	-.5	-.5	0	%100
94	MP4B	Z	.288	.288	0	%100
95	MP3B	X	-.5	-.5	0	%100
96	MP3B	Z	.288	.288	0	%100
97	MP2B	X	-.5	-.5	0	%100
98	MP2B	Z	.288	.288	0	%100
99	MP1B	X	-.5	-.5	0	%100
100	MP1B	Z	.288	.288	0	%100
101	OVP2	X	-.299	-.299	0	%100
102	OVP2	Z	.173	.173	0	%100
103	OVP1	X	-.299	-.299	0	%100
104	OVP1	Z	.173	.173	0	%100
105	MP4C	X	-.5	-.5	0	%100
106	MP4C	Z	.288	.288	0	%100
107	MP3C	X	-.5	-.5	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,%]
108	MP3C	Z	.288	.288	0	%100
109	MP2C	X	-.5	-.5	0	%100
110	MP2C	Z	.288	.288	0	%100
111	MP1C	X	-.5	-.5	0	%100
112	MP1C	Z	.288	.288	0	%100
113	M101	X	-.125	-.125	0	%100
114	M101	Z	.072	.072	0	%100
115	M108	X	-.5	-.5	0	%100
116	M108	Z	.288	.288	0	%100
117	M115	X	-.125	-.125	0	%100
118	M115	Z	.072	.072	0	%100
119	M122	X	-.647	-.647	0	%100
120	M122	Z	.374	.374	0	%100
121	M123	X	-.162	-.162	0	%100
122	M123	Z	.093	.093	0	%100
123	M124	X	-.162	-.162	0	%100
124	M124	Z	.093	.093	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	M13	X	-.192	-.192	0	%100
2	M13	Z	0	0	0	%100
3	M20	X	0	0	0	%100
4	M20	Z	0	0	0	%100
5	M32	X	-.527	-.527	0	%100
6	M32	Z	0	0	0	%100
7	M33A	X	-.527	-.527	0	%100
8	M33A	Z	0	0	0	%100
9	M41A	X	-.454	-.454	0	%100
10	M41A	Z	0	0	0	%100
11	M42_1	X	-.454	-.454	0	%100
12	M42_1	Z	0	0	0	%100
13	M43A_1	X	-.903	-.903	0	%100
14	M43A_1	Z	0	0	0	%100
15	M46A	X	-.492	-.492	0	%100
16	M46A	Z	0	0	0	%100
17	M47	X	0	0	0	%100
18	M47	Z	0	0	0	%100
19	M64	X	-.303	-.303	0	%100
20	M64	Z	0	0	0	%100
21	M65	X	0	0	0	%100
22	M65	Z	0	0	0	%100
23	M71	X	0	0	0	%100
24	M71	Z	0	0	0	%100
25	M86	X	-.303	-.303	0	%100
26	M86	Z	0	0	0	%100
27	M87	X	-.92	-.92	0	%100
28	M87	Z	0	0	0	%100
29	M90	X	-.953	-.953	0	%100
30	M90	Z	0	0	0	%100
31	M50A	X	-.192	-.192	0	%100
32	M50A	Z	0	0	0	%100
33	M51A	X	-.454	-.454	0	%100
34	M51A	Z	0	0	0	%100
35	M52	X	-.454	-.454	0	%100
36	M52	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	M53A	X	-.903	-.903	0	%100
38	M53A	Z	0	0	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	0	0	0	%100
41	M57	X	-.492	-.492	0	%100
42	M57	Z	0	0	0	%100
43	M62	X	-.303	-.303	0	%100
44	M62	Z	0	0	0	%100
45	M63	X	-.92	-.92	0	%100
46	M63	Z	0	0	0	%100
47	M65A	X	-.953	-.953	0	%100
48	M65A	Z	0	0	0	%100
49	M67	X	-.303	-.303	0	%100
50	M67	Z	0	0	0	%100
51	M68A	X	0	0	0	%100
52	M68A	Z	0	0	0	%100
53	M70	X	0	0	0	%100
54	M70	Z	0	0	0	%100
55	M72A	X	-.769	-.769	0	%100
56	M72A	Z	0	0	0	%100
57	M73	X	0	0	0	%100
58	M73	Z	0	0	0	%100
59	M74	X	0	0	0	%100
60	M74	Z	0	0	0	%100
61	M75	X	0	0	0	%100
62	M75	Z	0	0	0	%100
63	M78	X	-.492	-.492	0	%100
64	M78	Z	0	0	0	%100
65	M79	X	-.492	-.492	0	%100
66	M79	Z	0	0	0	%100
67	M84	X	-1.211	-1.211	0	%100
68	M84	Z	0	0	0	%100
69	M85	X	-.92	-.92	0	%100
70	M85	Z	0	0	0	%100
71	M87A	X	-.953	-.953	0	%100
72	M87A	Z	0	0	0	%100
73	M89A	X	-1.211	-1.211	0	%100
74	M89A	Z	0	0	0	%100
75	M90A	X	-.92	-.92	0	%100
76	M90A	Z	0	0	0	%100
77	M92	X	-.953	-.953	0	%100
78	M92	Z	0	0	0	%100
79	M71B	X	-.442	-.442	0	%100
80	M71B	Z	0	0	0	%100
81	M72B	X	-.836	-.836	0	%100
82	M72B	Z	0	0	0	%100
83	M73A	X	-.442	-.442	0	%100
84	M73A	Z	0	0	0	%100
85	MP4A	X	-.577	-.577	0	%100
86	MP4A	Z	0	0	0	%100
87	MP3A	X	-.577	-.577	0	%100
88	MP3A	Z	0	0	0	%100
89	MP2A	X	-.577	-.577	0	%100
90	MP2A	Z	0	0	0	%100
91	MP1A	X	-.577	-.577	0	%100
92	MP1A	Z	0	0	0	%100
93	MP4B	X	-.577	-.577	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,%]
94	MP4B	Z	0	0	0	%100
95	MP3B	X	-.577	-.577	0	%100
96	MP3B	Z	0	0	0	%100
97	MP2B	X	-.577	-.577	0	%100
98	MP2B	Z	0	0	0	%100
99	MP1B	X	-.577	-.577	0	%100
100	MP1B	Z	0	0	0	%100
101	OVP2	X	-.345	-.345	0	%100
102	OVP2	Z	0	0	0	%100
103	OVP1	X	-.345	-.345	0	%100
104	OVP1	Z	0	0	0	%100
105	MP4C	X	-.577	-.577	0	%100
106	MP4C	Z	0	0	0	%100
107	MP3C	X	-.577	-.577	0	%100
108	MP3C	Z	0	0	0	%100
109	MP2C	X	-.577	-.577	0	%100
110	MP2C	Z	0	0	0	%100
111	MP1C	X	-.577	-.577	0	%100
112	MP1C	Z	0	0	0	%100
113	M101	X	0	0	0	%100
114	M101	Z	0	0	0	%100
115	M108	X	-.433	-.433	0	%100
116	M108	Z	0	0	0	%100
117	M115	X	-.433	-.433	0	%100
118	M115	Z	0	0	0	%100
119	M122	X	-.56	-.56	0	%100
120	M122	Z	0	0	0	%100
121	M123	X	0	0	0	%100
122	M123	Z	0	0	0	%100
123	M124	X	-.56	-.56	0	%100
124	M124	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	M13	X	-.5	-.5	0	%100
2	M13	Z	-.289	-.289	0	%100
3	M20	X	-.152	-.152	0	%100
4	M20	Z	-.088	-.088	0	%100
5	M32	X	-.152	-.152	0	%100
6	M32	Z	-.088	-.088	0	%100
7	M33A	X	-.608	-.608	0	%100
8	M33A	Z	-.351	-.351	0	%100
9	M41A	X	-.131	-.131	0	%100
10	M41A	Z	-.076	-.076	0	%100
11	M42_1	X	-.131	-.131	0	%100
12	M42_1	Z	-.076	-.076	0	%100
13	M43A_1	X	-.261	-.261	0	%100
14	M43A_1	Z	-.15	-.15	0	%100
15	M46A	X	-.568	-.568	0	%100
16	M46A	Z	-.328	-.328	0	%100
17	M47	X	-.142	-.142	0	%100
18	M47	Z	-.082	-.082	0	%100
19	M64	X	-.787	-.787	0	%100
20	M64	Z	-.454	-.454	0	%100
21	M65	X	-.266	-.266	0	%100
22	M65	Z	-.153	-.153	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,%]
23	M71	X	-.275	-.275	0	%100
24	M71	Z	-.159	-.159	0	%100
25	M86	X	-.787	-.787	0	%100
26	M86	Z	-.454	-.454	0	%100
27	M87	X	-1.062	-1.062	0	%100
28	M87	Z	-.613	-.613	0	%100
29	M90	X	-1.101	-1.101	0	%100
30	M90	Z	-.635	-.635	0	%100
31	M50A	X	0	0	0	%100
32	M50A	Z	0	0	0	%100
33	M51A	X	-.524	-.524	0	%100
34	M51A	Z	-.302	-.302	0	%100
35	M52	X	-.524	-.524	0	%100
36	M52	Z	-.302	-.302	0	%100
37	M53A	X	-1.043	-1.043	0	%100
38	M53A	Z	-.602	-.602	0	%100
39	M56	X	-.142	-.142	0	%100
40	M56	Z	-.082	-.082	0	%100
41	M57	X	-.142	-.142	0	%100
42	M57	Z	-.082	-.082	0	%100
43	M62	X	0	0	0	%100
44	M62	Z	0	0	0	%100
45	M63	X	-.266	-.266	0	%100
46	M63	Z	-.153	-.153	0	%100
47	M65A	X	-.275	-.275	0	%100
48	M65A	Z	-.159	-.159	0	%100
49	M67	X	0	0	0	%100
50	M67	Z	0	0	0	%100
51	M68A	X	-.266	-.266	0	%100
52	M68A	Z	-.153	-.153	0	%100
53	M70	X	-.275	-.275	0	%100
54	M70	Z	-.159	-.159	0	%100
55	M72A	X	-.5	-.5	0	%100
56	M72A	Z	-.289	-.289	0	%100
57	M73	X	-.131	-.131	0	%100
58	M73	Z	-.076	-.076	0	%100
59	M74	X	-.131	-.131	0	%100
60	M74	Z	-.076	-.076	0	%100
61	M75	X	-.261	-.261	0	%100
62	M75	Z	-.15	-.15	0	%100
63	M78	X	-.142	-.142	0	%100
64	M78	Z	-.082	-.082	0	%100
65	M79	X	-.568	-.568	0	%100
66	M79	Z	-.328	-.328	0	%100
67	M84	X	-.787	-.787	0	%100
68	M84	Z	-.454	-.454	0	%100
69	M85	X	-1.062	-1.062	0	%100
70	M85	Z	-.613	-.613	0	%100
71	M87A	X	-1.101	-1.101	0	%100
72	M87A	Z	-.635	-.635	0	%100
73	M89A	X	-.787	-.787	0	%100
74	M89A	Z	-.454	-.454	0	%100
75	M90A	X	-.266	-.266	0	%100
76	M90A	Z	-.153	-.153	0	%100
77	M92	X	-.275	-.275	0	%100
78	M92	Z	-.159	-.159	0	%100
79	M71B	X	-.61	-.61	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,%]
80	M71B	Z	-.352	-.352	0	%100
81	M72B	X	-.61	-.61	0	%100
82	M72B	Z	-.352	-.352	0	%100
83	M73A	X	-.269	-.269	0	%100
84	M73A	Z	-.155	-.155	0	%100
85	MP4A	X	-.5	-.5	0	%100
86	MP4A	Z	-.288	-.288	0	%100
87	MP3A	X	-.5	-.5	0	%100
88	MP3A	Z	-.288	-.288	0	%100
89	MP2A	X	-.5	-.5	0	%100
90	MP2A	Z	-.288	-.288	0	%100
91	MP1A	X	-.5	-.5	0	%100
92	MP1A	Z	-.288	-.288	0	%100
93	MP4B	X	-.5	-.5	0	%100
94	MP4B	Z	-.288	-.288	0	%100
95	MP3B	X	-.5	-.5	0	%100
96	MP3B	Z	-.288	-.288	0	%100
97	MP2B	X	-.5	-.5	0	%100
98	MP2B	Z	-.288	-.288	0	%100
99	MP1B	X	-.5	-.5	0	%100
100	MP1B	Z	-.288	-.288	0	%100
101	OVP2	X	-.299	-.299	0	%100
102	OVP2	Z	-.173	-.173	0	%100
103	OVP1	X	-.299	-.299	0	%100
104	OVP1	Z	-.173	-.173	0	%100
105	MP4C	X	-.5	-.5	0	%100
106	MP4C	Z	-.288	-.288	0	%100
107	MP3C	X	-.5	-.5	0	%100
108	MP3C	Z	-.288	-.288	0	%100
109	MP2C	X	-.5	-.5	0	%100
110	MP2C	Z	-.288	-.288	0	%100
111	MP1C	X	-.5	-.5	0	%100
112	MP1C	Z	-.288	-.288	0	%100
113	M101	X	-.125	-.125	0	%100
114	M101	Z	-.072	-.072	0	%100
115	M108	X	-.125	-.125	0	%100
116	M108	Z	-.072	-.072	0	%100
117	M115	X	-.5	-.5	0	%100
118	M115	Z	-.288	-.288	0	%100
119	M122	X	-.162	-.162	0	%100
120	M122	Z	-.093	-.093	0	%100
121	M123	X	-.162	-.162	0	%100
122	M123	Z	-.093	-.093	0	%100
123	M124	X	-.647	-.647	0	%100
124	M124	Z	-.374	-.374	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	M13	X	-.385	-.385	0	%100
2	M13	Z	-.666	-.666	0	%100
3	M20	X	-.263	-.263	0	%100
4	M20	Z	-.456	-.456	0	%100
5	M32	X	0	0	0	%100
6	M32	Z	0	0	0	%100
7	M33A	X	-.263	-.263	0	%100
8	M33A	Z	-.456	-.456	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,%]
9	M41A	X	0	0	0	%100
10	M41A	Z	0	0	0	%100
11	M42_1	X	0	0	0	%100
12	M42_1	Z	0	0	0	%100
13	M43A_1	X	0	0	0	%100
14	M43A_1	Z	0	0	0	%100
15	M46A	X	-.246	-.246	0	%100
16	M46A	Z	-.426	-.426	0	%100
17	M47	X	-.246	-.246	0	%100
18	M47	Z	-.426	-.426	0	%100
19	M64	X	-.606	-.606	0	%100
20	M64	Z	-1.049	-1.049	0	%100
21	M65	X	-.46	-.46	0	%100
22	M65	Z	-.797	-.797	0	%100
23	M71	X	-.477	-.477	0	%100
24	M71	Z	-.825	-.825	0	%100
25	M86	X	-.606	-.606	0	%100
26	M86	Z	-1.049	-1.049	0	%100
27	M87	X	-.46	-.46	0	%100
28	M87	Z	-.797	-.797	0	%100
29	M90	X	-.477	-.477	0	%100
30	M90	Z	-.825	-.825	0	%100
31	M50A	X	-.096	-.096	0	%100
32	M50A	Z	-.167	-.167	0	%100
33	M51A	X	-.227	-.227	0	%100
34	M51A	Z	-.393	-.393	0	%100
35	M52	X	-.227	-.227	0	%100
36	M52	Z	-.393	-.393	0	%100
37	M53A	X	-.452	-.452	0	%100
38	M53A	Z	-.782	-.782	0	%100
39	M56	X	-.246	-.246	0	%100
40	M56	Z	-.426	-.426	0	%100
41	M57	X	0	0	0	%100
42	M57	Z	0	0	0	%100
43	M62	X	-.151	-.151	0	%100
44	M62	Z	-.262	-.262	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	0	0	0	%100
47	M65A	X	0	0	0	%100
48	M65A	Z	0	0	0	%100
49	M67	X	-.151	-.151	0	%100
50	M67	Z	-.262	-.262	0	%100
51	M68A	X	-.46	-.46	0	%100
52	M68A	Z	-.797	-.797	0	%100
53	M70	X	-.477	-.477	0	%100
54	M70	Z	-.825	-.825	0	%100
55	M72A	X	-.096	-.096	0	%100
56	M72A	Z	-.167	-.167	0	%100
57	M73	X	-.227	-.227	0	%100
58	M73	Z	-.393	-.393	0	%100
59	M74	X	-.227	-.227	0	%100
60	M74	Z	-.393	-.393	0	%100
61	M75	X	-.452	-.452	0	%100
62	M75	Z	-.782	-.782	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79	X	-.246	-.246	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,%]
66	M79	Z	-.426	-.426	0	%100
67	M84	X	-.151	-.151	0	%100
68	M84	Z	-.262	-.262	0	%100
69	M85	X	-.46	-.46	0	%100
70	M85	Z	-.797	-.797	0	%100
71	M87A	X	-.477	-.477	0	%100
72	M87A	Z	-.825	-.825	0	%100
73	M89A	X	-.151	-.151	0	%100
74	M89A	Z	-.262	-.262	0	%100
75	M90A	X	0	0	0	%100
76	M90A	Z	0	0	0	%100
77	M92	X	0	0	0	%100
78	M92	Z	0	0	0	%100
79	M71B	X	-.418	-.418	0	%100
80	M71B	Z	-.724	-.724	0	%100
81	M72B	X	-.221	-.221	0	%100
82	M72B	Z	-.383	-.383	0	%100
83	M73A	X	-.221	-.221	0	%100
84	M73A	Z	-.383	-.383	0	%100
85	MP4A	X	-.288	-.288	0	%100
86	MP4A	Z	-.5	-.5	0	%100
87	MP3A	X	-.288	-.288	0	%100
88	MP3A	Z	-.5	-.5	0	%100
89	MP2A	X	-.288	-.288	0	%100
90	MP2A	Z	-.5	-.5	0	%100
91	MP1A	X	-.288	-.288	0	%100
92	MP1A	Z	-.5	-.5	0	%100
93	MP4B	X	-.288	-.288	0	%100
94	MP4B	Z	-.5	-.5	0	%100
95	MP3B	X	-.288	-.288	0	%100
96	MP3B	Z	-.5	-.5	0	%100
97	MP2B	X	-.288	-.288	0	%100
98	MP2B	Z	-.5	-.5	0	%100
99	MP1B	X	-.288	-.288	0	%100
100	MP1B	Z	-.5	-.5	0	%100
101	OVP2	X	-.173	-.173	0	%100
102	OVP2	Z	-.299	-.299	0	%100
103	OVP1	X	-.173	-.173	0	%100
104	OVP1	Z	-.299	-.299	0	%100
105	MP4C	X	-.288	-.288	0	%100
106	MP4C	Z	-.5	-.5	0	%100
107	MP3C	X	-.288	-.288	0	%100
108	MP3C	Z	-.5	-.5	0	%100
109	MP2C	X	-.288	-.288	0	%100
110	MP2C	Z	-.5	-.5	0	%100
111	MP1C	X	-.288	-.288	0	%100
112	MP1C	Z	-.5	-.5	0	%100
113	M101	X	-.216	-.216	0	%100
114	M101	Z	-.375	-.375	0	%100
115	M108	X	0	0	0	%100
116	M108	Z	0	0	0	%100
117	M115	X	-.216	-.216	0	%100
118	M115	Z	-.375	-.375	0	%100
119	M122	X	0	0	0	%100
120	M122	Z	0	0	0	%100
121	M123	X	-.28	-.28	0	%100
122	M123	Z	-.485	-.485	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,%]
123	M124	X	-.28	-.28	0	%100
124	M124	Z	-.485	-.485	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	M46A	Y	-2.356	-4.541	0	.793
2	M46A	Y	-4.541	-6.018	.793	1.586
3	M46A	Y	-6.018	-7.77	1.586	2.379
4	M46A	Y	-7.77	-7.475	2.379	3.172
5	M46A	Y	-7.475	-4.145	3.172	3.965
6	M47	Y	-4.166	-7.563	0	.793
7	M47	Y	-7.563	-7.938	.793	1.587
8	M47	Y	-7.938	-6.372	1.587	2.38
9	M47	Y	-6.372	-4.807	2.38	3.173
10	M47	Y	-4.807	-2.16	3.173	3.967
11	M56	Y	-2.356	-4.541	0	.793
12	M56	Y	-4.541	-6.018	.793	1.586
13	M56	Y	-6.018	-7.77	1.586	2.379
14	M56	Y	-7.77	-7.475	2.379	3.172
15	M56	Y	-7.475	-4.145	3.172	3.965
16	M57	Y	-4.166	-7.563	0	.793
17	M57	Y	-7.563	-7.938	.793	1.587
18	M57	Y	-7.938	-6.372	1.587	2.38
19	M57	Y	-6.372	-4.807	2.38	3.173
20	M57	Y	-4.807	-2.16	3.173	3.967
21	M78	Y	-2.356	-4.541	0	.793
22	M78	Y	-4.541	-6.018	.793	1.586
23	M78	Y	-6.018	-7.77	1.586	2.379
24	M78	Y	-7.77	-7.475	2.379	3.172
25	M78	Y	-7.475	-4.145	3.172	3.965
26	M79	Y	-4.166	-7.563	0	.793
27	M79	Y	-7.563	-7.938	.793	1.587
28	M79	Y	-7.938	-6.372	1.587	2.38
29	M79	Y	-6.372	-4.807	2.38	3.173
30	M79	Y	-4.807	-2.16	3.173	3.967

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	M46A	Y	-4.506	-8.687	0	.793
2	M46A	Y	-8.687	-11.511	.793	1.586
3	M46A	Y	-11.511	-14.864	1.586	2.379
4	M46A	Y	-14.864	-14.298	2.379	3.172
5	M46A	Y	-14.298	-7.928	3.172	3.965
6	M47	Y	-7.969	-14.467	0	.793
7	M47	Y	-14.467	-15.184	.793	1.587
8	M47	Y	-15.184	-12.19	1.587	2.38
9	M47	Y	-12.19	-9.195	2.38	3.173
10	M47	Y	-9.195	-4.132	3.173	3.967
11	M56	Y	-4.506	-8.687	0	.793
12	M56	Y	-8.687	-11.511	.793	1.586
13	M56	Y	-11.511	-14.864	1.586	2.379
14	M56	Y	-14.864	-14.298	2.379	3.172
15	M56	Y	-14.298	-7.928	3.172	3.965
16	M57	Y	-7.969	-14.467	0	.793
17	M57	Y	-14.467	-15.184	.793	1.587
18	M57	Y	-15.184	-12.19	1.587	2.38

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	M57	Y	-12.19	-9.195	2.38	3.173
20	M57	Y	-9.195	-4.132	3.173	3.967
21	M78	Y	-4.506	-8.687	0	.793
22	M78	Y	-8.687	-11.511	.793	1.586
23	M78	Y	-11.511	-14.864	1.586	2.379
24	M78	Y	-14.864	-14.298	2.379	3.172
25	M78	Y	-14.298	-7.928	3.172	3.965
26	M79	Y	-7.969	-14.467	0	.793
27	M79	Y	-14.467	-15.184	.793	1.587
28	M79	Y	-15.184	-12.19	1.587	2.38
29	M79	Y	-12.19	-9.195	2.38	3.173
30	M79	Y	-9.195	-4.132	3.173	3.967

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N87A	N86A	N80A	N81A	Y	Two Way	-.005
2	N88B	N89A	N94	N93	Y	Two Way	-.005
3	N117	N122	N121	N116A	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N87A	N86A	N80A	N81A	Y	Two Way	-.01
2	N88B	N89A	N94	N93	Y	Two Way	-.01
3	N117	N122	N121	N116A	Y	Two Way	-.01

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [lb-ft]	LC	MY [lb-ft]	LC	MZ [lb-ft]	LC
1	N21	max	3486.618	9	765.889	15	685.713	1	-279.212	7	2633.417	12	-345.638	46
2		min	-772.212	3	303.619	50	-2249.495	7	-979.949	25	-2628.907	6	-1123.241	16
3	N84B	max	1093.663	11	531.958	23	655.19	12	-289.861	7	999.169	8	569.05	23
4		min	-2953.899	5	190.634	5	-1716.452	6	-778.566	13	-1015.268	2	224.748	5
5	N112A	max	430.852	10	430.719	19	3601.483	1	733.861	19	859.746	12	-110.765	10
6		min	-438.034	4	146.906	25	-1003.076	7	255.275	25	-851.918	6	-384.757	16
7	N92	max	-845.311	3	1914.041	21	1746.392	21	0	51	0	51	0	51
8		min	-3024.966	21	535.815	3	488.135	3	0	1	0	1	0	1
9	N93A	max	2263.783	17	1445.663	17	1306.384	17	0	51	0	51	0	51
10		min	338.173	11	223.63	11	195.646	11	0	1	0	1	0	1
11	N94A	max	41.037	10	1543.97	13	-600.31	7	0	51	0	51	0	51
12		min	-41.037	4	335.416	7	-2798.196	13	0	1	0	1	0	1
13	Totals:	max	3276.861	10	6293.37	14	3664.324	1						
14		min	-3276.86	4	3165.469	8	-3664.325	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc ...	phi*Pnt [...	phi*Mn y...	phi*Mn z...	Cb	Eqn
1	M13	HSS4X4X4	.206	0	12	.070	5.659	y	47	116105....	139518	16180.5	16180.5	1....	H1-1b
2	M20	PIPE_3.0	.110	9.365	35	.074	4.38		7	21266.0...	65205	5748.75	5748.75	2....	H1-1b
3	M32	PIPE_3.0	.076	4.38	6	.035	5.286		12	21266.0...	65205	5748.75	5748.75	3....	H1-1b
4	M33A	PIPE_3.0	.072	9.365	1	.069	4.38		11	21266.0...	65205	5748.75	5748.75	3....	H1-1b
5	M41A	HSS4X4X4	.113	2.406	22	.025	.251	z	10	136177....	139518	16180.5	16180.5	1....	H1-1b
6	M42_1	HSS4X4X4	.108	0	20	.026	2.156	z	8	136177....	139518	16180.5	16180.5	1....	H1-1b
7	M43A_1	PL1/2x6	.193	.547	3	.152	.547	y	38	62895.0...	97200	1012.5	12150	1....	H1-1b
8	M46A	L2x2x3	.106	3.965	9	.011	0	y	14	10640.6...	23392.8	557.717	1088.399	1....	H2-1

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc ...	phi*Pnt [...	phi*Mn y...	phi*Mn z...	Cb	Eqn
9	M47	L2x2x3	.114	0	8	.010	3.967	y	16	10634.8...	23392.8	557.717	1092.304	1....	H2-1
10	M64	PL3/8x6	.312	0	6	.126	0	y	16	71237.9...	72900	569.7	9112.5	2....	H1-1b
11	M65	PL3/8x6	.154	0	6	.059	0	y	34	71583.5...	72900	569.7	9112.5	1.3	H1-1b
12	M71	PL1/2x6	.025	0	7	.224	0	y	47	96648.9...	97200	1012.5	12150	1....	H1-1b
13	M86	PL3/8x6	.407	0	12	.160	0	y	26	71237.9...	72900	569.7	9112.5	2....	H1-1b
14	M87	PL3/8x6	.205	0	12	.061	0	y	20	71583.5...	72900	569.7	9112.5	1....	H1-1b
15	M90	PL1/2x6	.032	0	11	.087	0	y	19	96648.9...	97200	1012.5	12150	1....	H1-1b
16	M50A	HSS4X4X4	.092	3.175	7	.043	0	y	13	116105....	139518	16180.5	16180.5	1....	H1-1b
17	M51A	HSS4X4X4	.093	2.406	6	.025	.251	z	6	136177....	139518	16180.5	16180.5	1....	H1-1b
18	M52	HSS4X4X4	.068	0	4	.019	2.156	z	11	136177....	139518	16180.5	16180.5	1....	H1-1b
19	M53A	PL1/2x6	.159	.547	12	.093	.228	y	4	62895.0...	97200	1012.5	12150	1....	H1-1b
20	M56	L2x2x3	.109	3.965	6	.009	3.965	y	21	10640.6...	23392.8	557.717	1092.918	1....	H2-1
21	M57	L2x2x3	.099	0	4	.011	0	y	13	10634.8...	23392.8	557.717	1092.304	1....	H2-1
22	M62	PL3/8x6	.063	0	2	.089	0	y	24	71237.9...	72900	569.7	9112.5	1....	H1-1b
23	M63	PL3/8x6	.050	.167	10	.029	0	y	18	71583.5...	72900	569.7	9112.5	1....	H1-1b
24	M65A	PL1/2x6	.017	.125	6	.062	0	y	6	96648.9...	97200	1012.5	12150	1....	H1-1b
25	M67	PL3/8x6	.251	0	8	.072	0	y	35	71237.9...	72900	569.7	9112.5	1....	H1-1b
26	M68A	PL3/8x6	.128	0	8	.039	0	y	17	71583.5...	72900	569.7	9112.5	1....	H1-1b
27	M70	PL1/2x6	.024	0	7	.100	0	y	16	96648.9...	97200	1012.5	12150	1....	H1-1b
28	M72A	HSS4X4X4	.086	0	12	.039	5.659	y	14	116105....	139518	16180.5	16180.5	2....	H1-1b
29	M73	HSS4X4X4	.076	2.406	2	.020	.251	z	7	136177....	139518	16180.5	16180.5	1....	H1-1b
30	M74	HSS4X4X4	.091	0	12	.024	2.156	z	12	136177....	139518	16180.5	16180.5	1....	H1-1b
31	M75	PL1/2x6	.187	.547	7	.106	.866	y	2	62895.0...	97200	1012.5	12150	1....	H1-1b
32	M78	L2x2x3	.101	3.965	2	.011	3.965	y	17	10640.6...	23392.8	557.717	1092.918	1....	H2-1
33	M79	L2x2x3	.112	0	12	.008	0	y	21	10634.8...	23392.8	557.717	1092.304	1....	H2-1
34	M84	PL3/8x6	.158	0	10	.053	0	y	1	71237.9...	72900	569.7	9112.5	1....	H1-1b
35	M85	PL3/8x6	.077	0	4	.037	0	y	13	71583.5...	72900	569.7	9112.5	2....	H1-1b
36	M87A	PL1/2x6	.019	.125	1	.125	0	y	14	96648.9...	97200	1012.5	12150	1....	H1-1b
37	M89A	PL3/8x6	.058	0	4	.087	0	y	18	71237.9...	72900	569.7	9112.5	1....	H1-1b
38	M90A	PL3/8x6	.052	.167	8	.031	0	y	13	71583.5...	72900	569.7	9112.5	1....	H1-1b
39	M92	PL1/2x6	.020	.125	1	.061	0	y	12	96648.9...	97200	1012.5	12150	1....	H1-1b
40	M71B	LL2.5x2.5x...	.115	6.375	21	.003	0	y	22	34731.73	58320	3300.48	2506.391	1	H1-1b*
41	M72B	LL2.5x2.5x...	.092	6.375	13	.003	6.375	y	24	34731.73	58320	3300.48	2506.391	1	H1-1b*
42	M73A	LL2.5x2.5x...	.086	6.375	17	.003	6.375	y	18	34731.73	58320	3300.48	2506.391	1	H1-1b*
43	MP4A	PIPE_2.5	.131	4.833	35	.072	4.833		12	30038.4...	50715	3596.25	3596.25	1....	H1-1b
44	MP3A	PIPE_2.5	.175	4.833	11	.043	4.833		9	30038.4...	50715	3596.25	3596.25	1....	H1-1b
45	MP2A	PIPE_2.5	.152	4.833	5	.066	4.833		6	30038.4...	50715	3596.25	3596.25	1....	H1-1b
46	MP1A	PIPE_2.5	.126	4.833	5	.066	1.833		1	30038.4...	50715	3596.25	3596.25	1....	H1-1b
47	MP4B	PIPE_2.5	.143	4.833	1	.060	1.833		5	30038.4...	50715	3596.25	3596.25	2....	H1-1b
48	MP3B	PIPE_2.5	.145	4.833	1	.066	4.833		12	30038.4...	50715	3596.25	3596.25	1....	H1-1b
49	MP2B	PIPE_2.5	.195	4.833	7	.044	4.833		7	30038.4...	50715	3596.25	3596.25	2....	H1-1b
50	MP1B	PIPE_2.5	.104	4.833	7	.074	4.833		6	30038.4...	50715	3596.25	3596.25	2....	H1-1b
51	OVP2	PIPE_2.0	.047	2	6	.009	2		6	30625.4...	32130	1871.625	1871.625	2....	H1-1b
52	OVP1	PIPE_2.0	.047	2	6	.009	2		6	30625.4...	32130	1871.625	1871.625	2....	H1-1b
53	MP4C	PIPE_2.5	.082	4.833	6	.036	4.833		8	30038.4...	50715	3596.25	3596.25	2....	H1-1b
54	MP3C	PIPE_2.5	.124	4.833	6	.043	4.833		6	30038.4...	50715	3596.25	3596.25	1....	H1-1b
55	MP2C	PIPE_2.5	.130	4.833	12	.044	4.833		12	30038.4...	50715	3596.25	3596.25	1....	H1-1b
56	MP1C	PIPE_2.5	.081	4.833	6	.031	4.833		10	30038.4...	50715	3596.25	3596.25	1....	H1-1b
57	M101	PIPE_2.5	.136	5.135	7	.089	1.964		6	10819.5...	50715	3596.25	3596.25	3....	H1-1b
58	M108	PIPE_2.5	.141	12.385	12	.039	5.286		12	10819.5...	50715	3596.25	3596.25	3....	H1-1b
59	M115	PIPE_2.5	.112	12.536	12	.086	12.536		12	10819.5...	50715	3596.25	3596.25	3....	H1-1b
60	M122	L3X3X4	.269	0	6	.027	0	y	6	40975.2...	46656	1688.138	3755.745	2....	H2-1
61	M123	L3X3X4	.250	2.421	11	.021	2.421	y	11	40975.2...	46656	1688.138	3755.745	2....	H2-1
62	M124	L3X3X4	.285	0	7	.022	0	y	7	40975.2...	46656	1688.138	3755.745	2....	H2-1

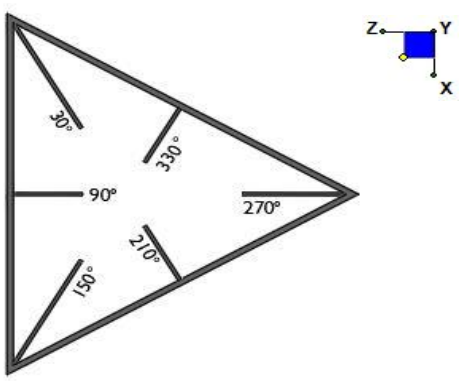
Client:	Verizon	Date:	6/22/2021
Site Name:	Beacon Falls 2 CT-Tower Monopole		
Project No.	21777533A		
Title:	Mount Fix	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

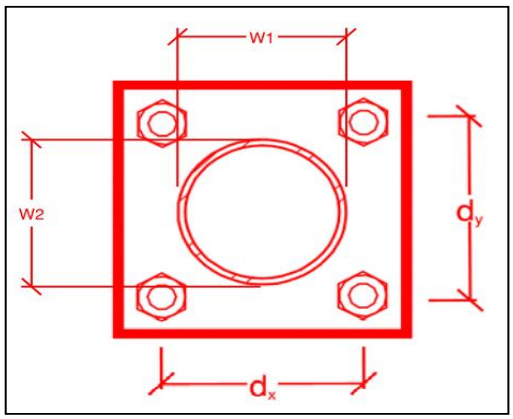
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N21	30
N84B	150
N112A	270



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)*:	5.5
d_y (in) *(Delta Y of typ. bolt config. sketch)*:	5.5
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength (kips):	13.4
Required Shear Strength (kips):	3.0
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**16.2%***
Shear Capacity Overall:	**6.0%**



**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):	8
Plate Height (in):	8
W1 (in):	4
W2 (in):	4
Fy (ksi, plate):	36
t_{Plate} (in):	0.75
Weld Size (1/16 in):	6
Phi*Rn (kip/in):	8.35
Required Weld Strength (kip/in):	1.63
Plate Bending Capacity:	**16.2%**
Weld Capacity:	**19.5%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)*:	1.1
Phi*Mn_{xx} *(kip-in)*:	36.5
Mu_{yy} *(kip-in)*:	4.8
Phi*Mn_{yy} *(kip-in)*:	36.5

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

---

Purpose – to provide Maser Consulting Connecticut the proper documentation in order 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:

- 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) must be shown.
- Notation that all hardware was properly installed, and the existing hardware was inspected for any issues.
- Verification that loading is as communicated in the modification drawings. NOTE If loading is different than what is conveyed in the modification drawing contact Maser Consulting Connecticut immediately.
- Each photo should be time and date stamped
- Photos should be high resolution and submitted in a Zip File and should be organized in the file structure as depicted in Schedule A attached.
- Contractor shall ensure that the safety climb wire rope is supported and 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.
- The photos in the file structure should be uploaded **to** **https://pmi.vzwsmart.com** as depicted on the drawings

Photo Requirements:

- *Base and "During Installation Photos"*
  - Base pictures include
    - Photo of Gate Signs showing the tower owner, site name, and number
    - Photo of carrier shelter showing the carrier site name and number if available
    - Photos of the galvanizing compound and/or paint used (if applicable), clearly showing the label and name
  - "During Installation Photos if provided - must be placed only in this folder
- *Photos taken at ground level*
  - Overall tower structure before and after installation of the modifications
  - Photos of the appropriate mount before and 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 each individual sector before and also after installation of modifications. Each entire sector must be in one photo to show in the inter-connection of members.
        - These photos should also certify that the placement and geometry of the equipment on the mount is as depicted on the sketch and table in the mount analysis
    - Close-up photos of each installed modification per the modification drawings; pictures should also include connection hardware (U-bolts, bolts, nuts, all-threaded rods, etc.)
    - Photos showing the measurements of the installed modification member sizes (i.e. lengths, widths, depths, diameters, thicknesses)
    - Photos showing the elevation or distances of the installed modifications from the appropriate reference locations shown in the modification drawings
    - Photos showing the installed modifications onto the tower with tape drop measurements (if applicable) (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, a tape drop measurement shall be provided before the elevation change
    - 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.

Material Certification:

- Materials utilized must be as per specification on the drawings or the equivalent as validated by Maser Consulting Connecticut.
    - If the drawings are as specified on the drawings
        - The contractor should provide the packing list or the materials utilized to perform the mount modification
    - If an equivalent is utilized
        - It is required that the Maser Consulting Connecticut certification of such is included in the contractor submission package. There may be an additional charge for this certification if the equivalent submission doesn't meet specifications as prescribed in the drawings.
- The contractor must certify that the materials meet these specifications by one of these methods.

☐ The Material utilized was as specified on the Maser Consulting Connecticut Mount Modification Drawings and included in the Material certification folder is a packing list or invoice for these materials

☐ The material utilized was an "equivalent" and included as part of the contractor submission is the Maser Consulting Connecticut certification, invoices, or specifications validating accepted status

Certifying Individual: Company _____

Name _____

Signature _____

Antenna & equipment placement and Geometry Confirmation:

- The contractor must certify that the antenna & equipment placement and geometry is in accordance with the antenna placement diagrams as included in this mount analysis.

☐ The contractor certifies that the photos support and the equipment on the mount is as depicted on the antenna placement diagrams as included in this mount analysis.

☐ The contractor notes that the equipment on the mount is not in accordance with the antenna placement diagrams and has accordingly marked up the diagrams or provided a diagram outlining the differences.

Certifying Individual: Company _____

Name _____

Signature _____

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

Issue:

Contractor to Install safety climb wire clip on existing mount collar such that the existing safety climb wire does not contact the existing mount members.

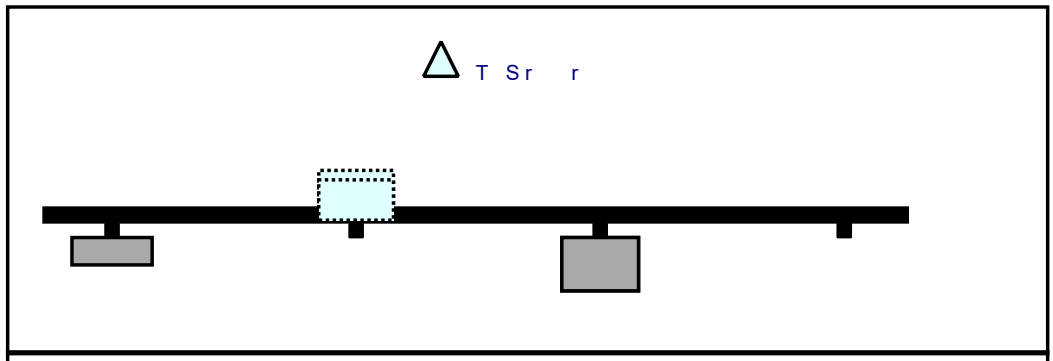
Response:

Schedule A – Photo & Document File Structure

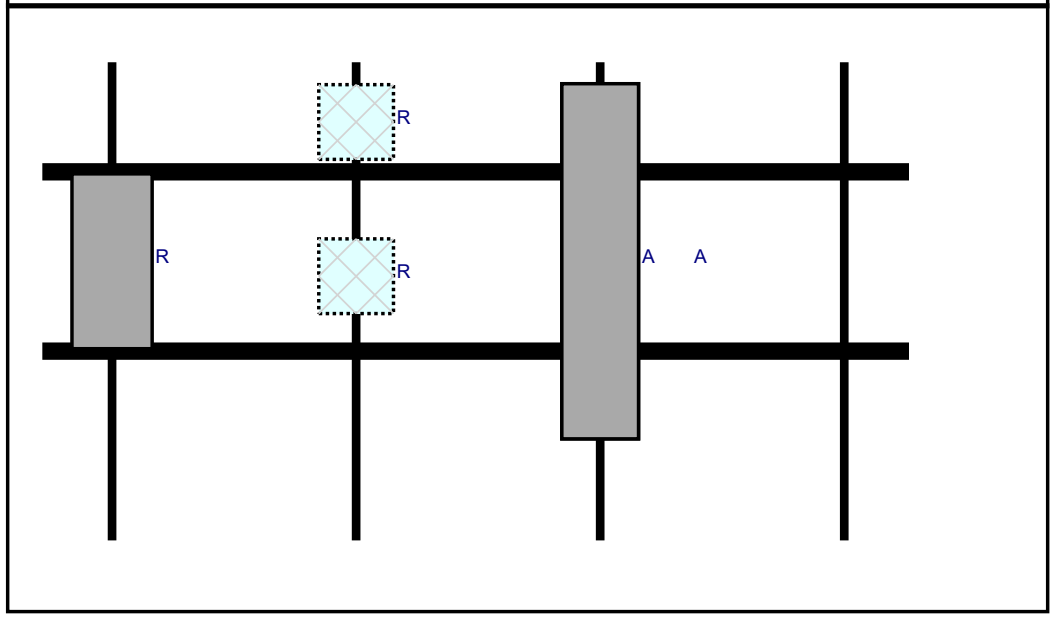
- VzW Site Number / Name
  - Base & "During Installation" Photos
  - Pre-Installation Photos
    - Alpha
    - Beta
    - Gamma
    - Ground Level
    - Tape Drop
  - Post-Installation Photos
    - Alpha
    - Beta
    - Gamma
    - Ground Level
    - Tape Drop
    - Photos of climbing facility and safety climb – If Present
  - Certifications – Submission of this document including certifications
  - Specific Required Additional Photos

S r **A**
Sr r T M
M E . P

Plan View



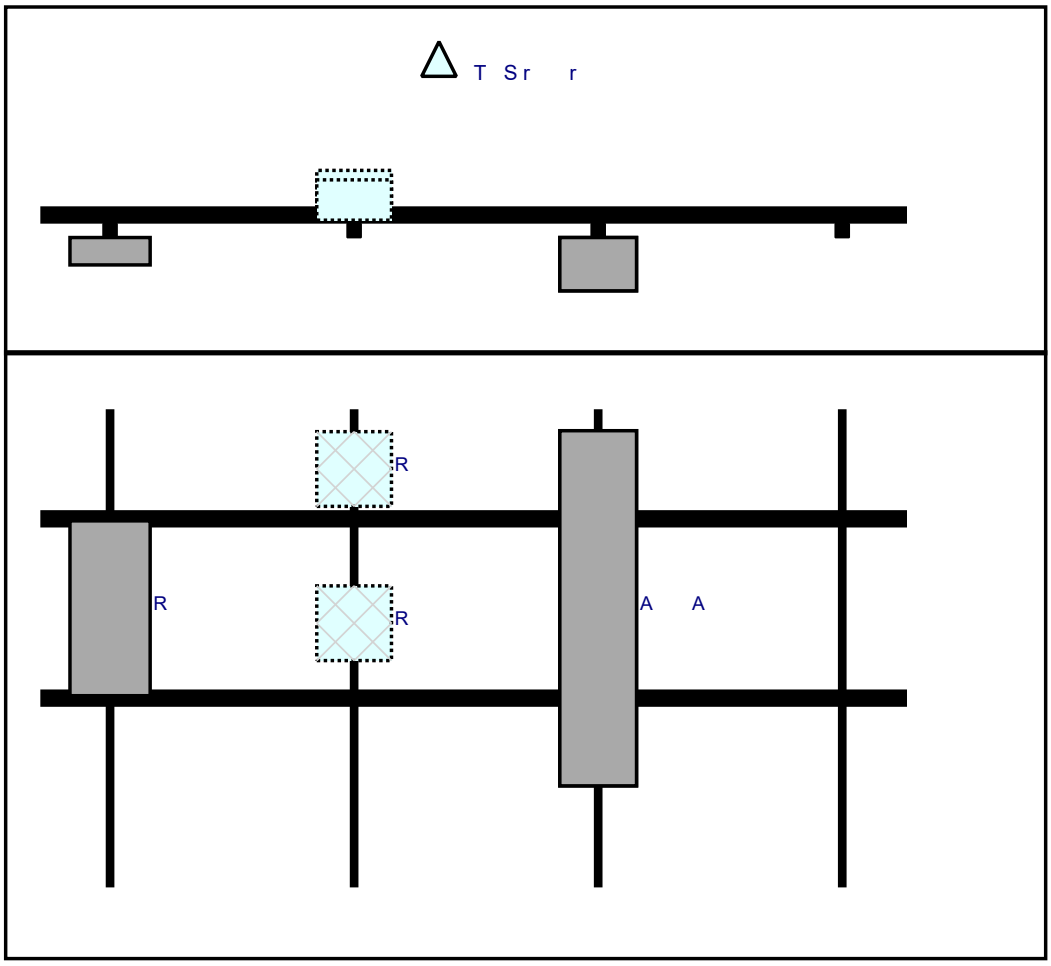
Front View
L Sr r



d D P P A .A A

R M d	r L.	P P	r T. O	S d
A M RO . .		r .		R d
A M RO . .		r .		R d
R B B A RR BR R D A		B d .		R d
R B B RR BR R D A		B d		R d
R MT A . .		r .		Add d

S r **B**
Sr r T M
M E . P



Plan View

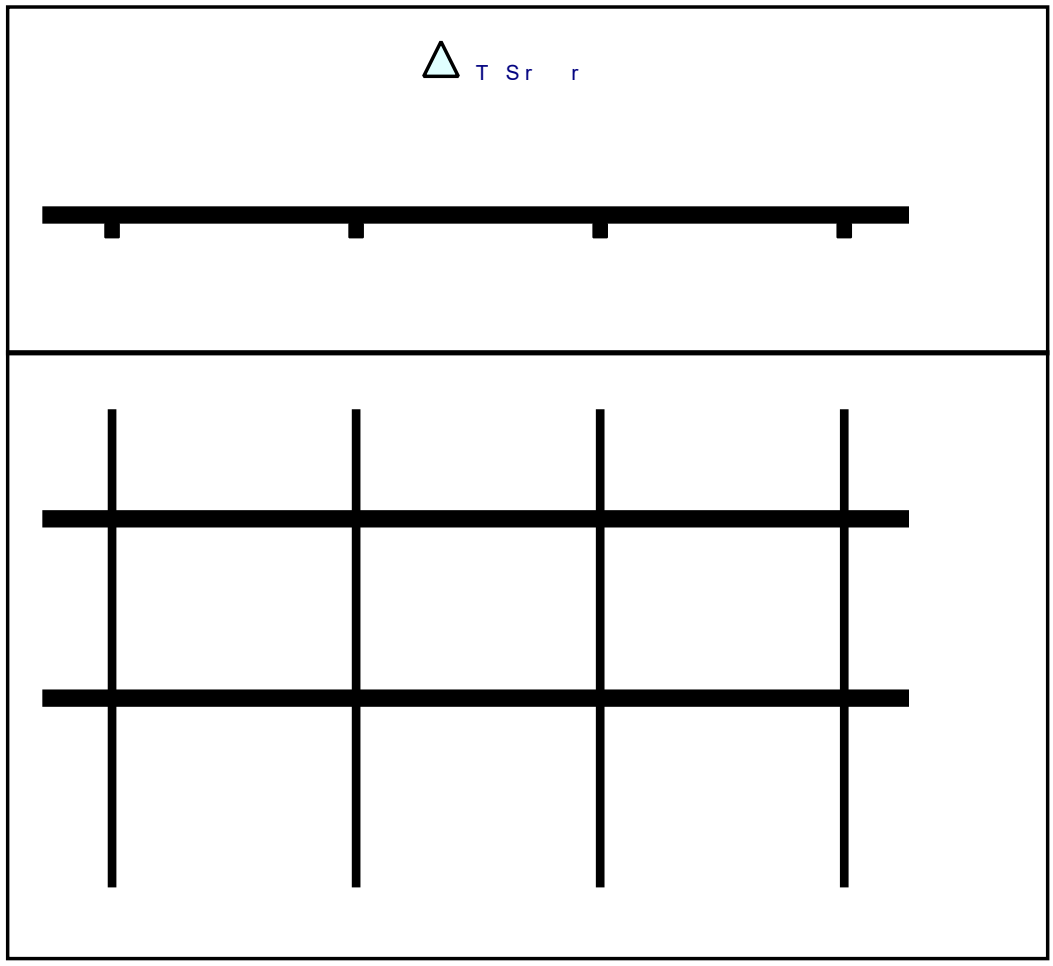
Front View
L Sr r

d D P P A .A A

R M d	r L.	P P	r T. O	S d
A M RO . .		r .		R d
A M RO . .		r .		R d
R B B A RR BR R D A		B d .		R d
R B B RR BR R D A		B d		R d
R MT A . .		r .		Add d

S r **C**
Sr r T M
M E . P

Plan View



Front View
L Sr r

d D P P A .A A
R M d r L. P P r T. O S d

Maser Consulting Connecticut

MASER CONSULTING
— CONNECTICUT —

Subject:	*TIA-222-H Usage*	
Site Information	*Site ID:*	*470974-VZW / BEACON FALLS 2 CT-Town Monopole*
	Site Name:	*BEACON FALLS 2 CT-Town Monopole*
	Carrier Name:	*Verizon Wireless*
	Address:	*401 Lopus Road* *Beacon Falls, Connecticut 06403* *New Haven County*
	Latitude:	*41.43276833°*
	Longitude:	*-73.07031527°*
Structure Information	*Tower Type:*	*Monopole*
	Mount Type:	*14.58-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. The 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 map 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 method, seismic analysis, 30-degree increment wind direction 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
Sr. Technical Manager

PROJECT NOTES

1. SEE MODIFICATION NOTES
2. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITY COMPANIES OR OTHER PUBLIC/GOVERNING AUTHORITIES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.
4. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE AS A RESULT OF CONSTRUCTION OF THIS FACILITY AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
6. THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
7. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING THE BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND CONSTRUCTION DRAWINGS.
8. THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THESE DRAWINGS MUST BE VERIFIED. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
9. SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE REQUIRED TO BE WORN TO ALERT OF ANY POTENTIALLY DANGEROUS EXPOSURE LEVELS.
10. NO NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS FACILITY AS TO CAUSE A NUISANCE.
11. THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION (NO HANDICAP ACCESS IS REQUIRED).

verizon

MOUNT MODIFICATION DRAWINGS
EXISTING 14.58' PLATFORM

SITE NAME: BEACON FALLS 2 CT - TOWN MONOPOLE
SITE NUMBER: 470974

401 LOPUS ROAD
BEACON FALLS, CT 06403
NEW HAVEN COUNTY

PROJECT INFORMATION

SITE INFORMATION

LATITUDE:	41.43276833° N
LONGITUDE:	73.07031527° W
JURISDICTION:	NEW HAVEN COUNTY

APPLICANT/LESSEE

COMPANY:	VERIZON WIRELESS

CLIENT REPRESENTATIVE

COMPANY:	VERIZON WIRELESS
ADDRESS:	118 FLANDERS ROAD, THIRD FLOOR
CITY, STATE, ZIP:	WESTBOROUGH, MA 01581
CONTACT:	ANDREW CANDIELLO
EMAIL:	ANDREW.CANDIELLO@VERIZONWIRELESS.COM

PROJECT MANAGER

COMPANY:	MASER CONSULTING CONNECTICUT
CONTACT:	PETER ALBANO
PHONE:	856-797-0412
E-MAIL:	PETER.ALBANO@COLLIERSENGINEERING.COM

SHEET INDEX

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION:	HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #:	10073432
VZW LOCATION CODE (PSLC):	470974
FUZE ID:	16244162

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

REFERENCED DOCUMENTS

FAILING MOUNT ANALYSIS REPORT

SMART TOOL PROJECT #:	10050573
MASER CONSULTING CONNECTICUT PROJECT #:	21777533A
ANALYSIS DATE:	6/1/2021

MASER CONSULTING CONNECTICUT
WILL BE KNOWN AS COLLIERS ENGINEERING & DESIGN IN 2021
Customer Loyalty *through* Client Satisfaction
www.maserconsulting.com
Office Locations:
- NEW JERSEY
- NEW YORK
- PENNSYLVANIA
- VIRGINIA
- FLORIDA
- NORTH CAROLINA
- SOUTH CAROLINA
- NEW MEXICO
- MARYLAND
- GEORGIA
- TEXAS
- TENNESSEE
- COLORADO

verizon

PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTHS SURFACE ANYWHERE IN ANY STATE
811 Know what's below. Call before you dig.
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE:	JOB NUMBER:
AS SHOWN	21777533A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	6/24/2021	ISSUED FOR CONSTRUCTION	JRA	JPL

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

Justin Linette
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NUMBER: 31965
MASER CONSULTING CONNECTICUT
C.T. C.O.A. #: PC.0000131

Digitally Signed by Justin Peter Linette
Date: 2021.06.24 15:37:32-04'00'

SITE NAME:
BEACON FALLS 2 CT - TOWN MONOPOLE
470974
401 LOPUS ROAD
BEACON FALLS, CT 06403
NEW HAVEN COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE: TITLE SHEET

SHEET NUMBER: T-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

BILL OF MATERIALS

VZWSMART KITS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
12	VZWSMART	VZWSMART-MSK1	CROSSOVER PLATE	
4		VZWSMART-MSK2	CROSSOVER PLATE	
3		VZWSMART-PLK3	SUPPORT RAIL CORNER BRACKET	

OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
3	-	-	174" LONG, P2.5 STD	GALVANIZED
3	-	-	36" LONG, L3x3x1/4	GALVANIZED, CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2
4	-	-	96" LONG, P2.5 STD	GALVANIZED

NOTE: ALL MATERIALS REQUIRED FOR THE DESIGNED MODIFICATIONS BUT NOT LISTED IN THIS SHEET ARE ASSUMED TO BE PROVIDED BY THE CONTRACTOR

VZWSMART KITS - APPROVED VENDORS

COMMSCOPE

CONTACT	SALVADOR ANGUIANO
PHONE	(817) 304-7492
EMAIL	SALVADOR.ANGUIANO@COMMSCOPE.COM
WEBSITE	WWW.COMMSCOPE.COM

METROSITE FABRICATORS, LLC

CONTACT	KENT RAMEY
PHONE	(706) 335-7045 (O), (706) 982-9788 (M)
EMAIL	KENT@METROSITELLC.COM
WEBSITE	METROSITEFABRICATORS.COM

PERFECTVISION

CONTACT	WIRELESS SALES
PHONE	(844) 887-6723
EMAIL	WWW.PERFECT-VISION.COM
WEBSITE	WIRELESSSALES@PERFECT-VISION.COM

SABRE INDUSTRIES, INC.

CONTACT	ANGIE WELCH
PHONE	(866) 428-6937
EMAIL	AKWELCH@SABREINDUSTRIES.COM
WEBSITE	WWW.SABRESITESOLUTIONS.COM

SITE PRO 1

CONTACT	PAULA BOSWELL
PHONE	(972) 236-9843
EMAIL	PAULA.BOSWELL@VALMONT.COM
WEBSITE	WWW.SITEPRO1.COM

NOTE: WHEN SPECIFIED, VZWSMART KITS SHALL BE REQUIRED AND WILL BE VERIFIED DURING THE DESKTOP PMI

MASER CONSULTING CONNECTICUT
WILL BE KNOWN AS COLLIERS ENGINEERING & DESIGN IN 2021
Customer Loyalty *through* Client Satisfaction
www.maserconsulting.com
Office Locations:
- NEW JERSEY
- NEW YORK
- PENNSYLVANIA
- VIRGINIA
- FLORIDA
- NORTH CAROLINA
- SOUTH CAROLINA
- NEW MEXICO
- MARYLAND
- GEORGIA
- TEXAS
- TENNESSEE
- COLORADO

verizon

811 PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTHS SURFACE ANYWHERE IN ANY STATE
Know what's below. Call before you dig.
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE: AS SHOWN
JOB NUMBER: 21777533A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	6/24/2021	ISSUED FOR CONSTRUCTION	JRA	JPL

Justin Linette
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NUMBER: 31965
MASER CONSULTING CONNECTICUT
C.T. C.O.A. #: PC.0000131

Digitally signed by Justin Peter Linette
Date: 2021.06.24 15:37:31-04'00'

SITE NAME:
BEACON FALLS 2 CT - TOWN MONOPOLE
470974

401 LOPUS ROAD
BEACON FALLS, CT 06403
NEW HAVEN COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE: BILL OF MATERIALS

SHEET NUMBER: S-1

GENERAL NOTES

1. THESE MODIFICATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE TELECOMMUNICATIONS INDUSTRY STANDARD TIA-222-H. MATERIALS AND SERVICES PROVIDED BY THE CONTRACTOR SHALL CONFORM TO THE ABOVE MENTIONED CODES.
2. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT DAMAGE TO EXISTING STRUCTURES. ANY DAMAGE TO EXISTING STRUCTURES AS A RESULT OF THE CONTRACTOR'S WORK OR FROM DAMAGE DUE TO OTHER CAUSES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE BEGINNING WORK, ORDERING MATERIAL, AND PREPARING OF SHOP DRAWINGS. ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER. IF THE CONTRACTOR DISCOVERS ANY EXISTING CONDITIONS THAT ARE NOT REPRESENTED ON THESE DRAWINGS, OR ANY CONDITIONS THAT WOULD INTERFERE WITH THE INSTALLATION OF THE MODIFICATIONS, NOTIFY THE ENGINEER IMMEDIATELY.
4. IT IS ASSUMED THAT ANY STRUCTURAL MODIFICATION WORK SPECIFIED ON THESE PLANS WILL BE ACCOMPLISHED BY KNOWLEDGEABLE WORKMEN WITH TOWER CONSTRUCTION EXPERIENCE.
5. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS, MEANS, TECHNIQUES, SEQUENCES, AND PROCEDURES.
6. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN AND SHALL MEET ANSI/TIA-322 (LATEST EDITION), OSHA, AND GENERAL INDUSTRY STANDARDS. ALL RIGGING PLANS SHALL ADHERE TO ANSI/TIA-322 (LATEST EDITION) INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION.
7. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PROGRAMS IN ACCORDANCE WITH APPLICABLE SAFETY CODES.
8. WORK SHALL ONLY BE PERFORMED DURING CALM DRY DAYS (WINDS LESS THAN 30-MPH). THE STRUCTURE SHOWN ON THE DRAWINGS IS STRUCTURALLY SOUND ONLY IN THE COMPLETED FORM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STRENGTH AND STABILITY OF THE STRUCTURE DURING ERECTION. CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT, SHORING, BRACING AND ANY OTHER STRUCTURAL SYSTEMS AS REQUIRED TO RESIST ALL FORCES THAT MAY OCCUR DURING HANDLING AND ERECTION UNTIL THE STRUCTURE IS FULLY COMPLETED. TEMPORARY SUPPORTS, BRACING AND OTHER STRUCTURAL SYSTEMS REQUIRED DURING CONSTRUCTION SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER THEIR USE.
9. ALL INSTALLATIONS PERFORMED ON THIS STRUCTURE SHALL BE COMPLETED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE STANDARD FOR INSTALLATION, ALTERATION AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS, ANSI/TIA-322.
10. CONTRACTOR SHALL SECURE SITE BACK TO EXISTING CONDITION UNDER SUPERVISION OF OWNER. ALL FENCE, STONE, GEOFABRIC, GROUNDING, AND SURROUNDING GRADE SHALL BE REPLACED AND REPAIRED AS REQUIRED TO ACHIEVE OWNER APPROVAL. POSITIVE DRAINAGE AWAY FROM TOWER SITE SHALL BE MAINTAINED.
11. CONNECTIONS BETWEEN ITEMS SUPPORTED BY THE STRUCTURE AND THE STRUCTURE NOT SPECIFICALLY DETAILED IN THE CONTRACT DOCUMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR. SUCH CONNECTIONS SHALL BE DESIGNED, COORDINATED AND INSPECTED BY A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE OF THE PROJECT. SUBMIT SIGNED AND SEALED CALCULATIONS DURING SHOP DRAWING REVIEW.
12. DO NOT SCALE DRAWINGS.
13. DO NOT USE THESE DRAWINGS FOR ANY OTHER SITE.
14. ALL MATERIAL UTILIZED FOR THIS PROJECT MUST BE NEW AND FREE OF ANY DEFECTS. ANY MATERIAL SUBSTITUTIONS, INCLUDING BUT NOT LIMITED TO ALTERED SIZE AND/OR STRENGTHS, MUST BE APPROVED BY THE OWNER AND ENGINEER IN WRITING.
15. THE MOUNT UNDER NO CIRCUMSTANCES SHOULD BE USED AS A TIE OFF POINT.

DESIGN LOADS

WIND LOADS

a. BASIC WIND SPEED (3 SECOND GUST), V = 118 MPH

b. EXPOSURE CATEGORY B

c. TOPOGRAPHIC CATEGORY 1

d. MEAN BASE ELEVATION (AMSL) = 161.88'

ICE LOADS

a. ICE WIND SPEED (3 SECOND GUST), V = 50 MPH

b. ICE THICKNESS = 1.00 IN

SEISMIC LOADS

a. SEISMIC DESIGN CATEGORY B

b. SHORT TERM MCER GROUND MOTION, S_S = .199

c. LONG TERM MCER GROUND MOTION, S_1 = .054

STRUCTURAL STEEL

1. DESIGN, DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING PUBLICATIONS EXCEPT AS SPECIFICALLY INDICATED IN THE CONTRACT DOCUMENTS.
   a. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION (15TH EDITION)
   b. SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS
   c. AISC CODE OF STANDARD PRACTICE
2. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE SHOWN:

CHANNELS, ANGLES, PLATES, ETC.	ASTM A36 (GR 36)
STEEL PIPE	ASTM A53 (GR 35)
BOLTS	ASTM A325
NUTS	ASTM A563
LOCK WASHERS	LOCKING STRUCTURAL GRADE

3. ALL SUBSTITUTIONS PROPOSED BY THE CONTRACTOR SHALL BE APPROVED IN WRITING BY THE ENGINEER. CONTRACTOR SHALL PROVIDE DOCUMENTATION TO ENGINEER FOR VERIFYING THE SUBSTITUTE IS SUITABLE FOR USE AND MEETS ORIGINAL DESIGN CRITERIA. DIFFERENCES FROM THE ORIGINAL DESIGN, INCLUDING MAINTENANCE, REPAIR AND REPLACEMENT, SHALL BE NOTED. ESTIMATES OF COSTS/CREDITS ASSOCIATED WITH THE SUBSTITUTION (INCLUDING RE-DESIGN COSTS AND COSTS TO SUB-CONTRACTORS) SHALL BE PROVIDED TO THE ENGINEER. CONTRACTOR SHALL PROVIDE ADDITIONAL DOCUMENTATION AND/OR SPECIFICATIONS TO THE ENGINEER AS REQUESTED.
4. PROVIDE STRUCTURAL STEEL SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
   a. SUBMIT SHOP DRAWINGS TO PETER.ALBANO@COLLIERSENGINEERING.COM
   b. PROVIDE MASER CONSULTING PROJECT # AND MASER CONSULTING CONNECTICUT PROJECT ENGINEER CONTACT IN THE BODY OF THE EMAIL.
5. DRILL NO HOLES IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBERS OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
6. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
7. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING STEEL. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
8. ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES TO BE INSTALLED IN ACCORDANCE WITH TIA-222-H SECTION 4.9.2 REQUIREMENTS.
9. WHERE CONNECTIONS ARE NOT FULLY DETAILED ON THESE DRAWINGS, FABRICATOR SHALL DESIGN CONNECTIONS TO RESIST LOADS AND FORCES WHERE SHOWN ON DRAWINGS AND AS OUTLINED IN SPECIFICATIONS.
10. FOR MEMBERS BEING REPLACED, PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GRADE. MAINTAIN AISC REQUIREMENTS FOR MINIMUM BOLT DISTANCE AND SPACING.
11. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT IS AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.
12. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
13. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
14. ALL EXISTING PAINTED/GALVANIZED SURFACES DAMAGED DURING REHAB INCLUDING AREAS UNDER STIFFENER PLATES SHALL BE WIRE BRUSHED CLEAN, REPAIRED BY COLD GALVANIZING (ZINGA OR ZINC COTE), AND REPAINTED TO MATCH THE EXISTING FINISH (IF APPLICABLE).
15. ALL HOLES IN STEEL MEMBERS SHALL BE SIZED 1/16" LARGER THAN THE BOLT DIAMETER. STANDARD HOLES SHALL BE USED UNLESS NOTED OTHERWISE.

MASER CONSULTING CONNECTICUT
WILL BE KNOWN AS COLLIERS ENGINEERING & DESIGN IN 2021
Customer Loyalty *through* Client Satisfaction
www.maserconsulting.com
Office Locations:
- NEW JERSEY
- NEW YORK
- PENNSYLVANIA
- VIRGINIA
- FLORIDA
- NORTH CAROLINA
- SOUTH CAROLINA
- NEW MEXICO
- MARYLAND
- GEORGIA
- TEXAS
- TENNESSEE
- COLORADO

verizon

PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTHS SURFACE ANYWHERE IN ANY STATE
811 Know what's below. Call before you dig.
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE :	JOB NUMBER :
AS SHOWN	21777533A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	6/24/2021	ISSUED FOR CONSTRUCTION	JRA	JPL

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

Justin Linette
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NUMBER: 31965
MASER CONSULTING CONNECTICUT
C.T. C.O.A. #: PC.0000131

Digitally Signed by Justin Peter Linette
Date: 2021.06.24 15:37:32 -04'00'

SITE NAME:
BEACON FALLS 2 CT - TOWN MONOPOLE
470974

401 LOPUS ROAD
BEACON FALLS, CT 06403
NEW HAVEN COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE :
MODIFICATION NOTES

SHEET NUMBER :
S-2

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

MODIFICATION INSPECTION NOTES

MI CHECKLIST	
CONSTRUCTION/ INSTALLATION INSPECTIONS AND TESTING REQUIRED (COMPLETED BY EOR)	REPORT ITEM
PRE-CONSTRUCTION	
X	MI CHECKLIST DRAWING
X	EOR APPROVED SHOP DRAWINGS
NA	FABRICATION INSPECTION
NA	FABRICATOR CERTIFIED WELD INSPECTION
X	MATERIAL TEST REPORT (MTR)
NA	FABRICATOR NDE INSPECTION
X	PACKING SLIPS
ADDITIONAL TESTING AND INSPECTIONS:	
CONSTRUCTION	
X	CONSTRUCTION INSPECTIONS
NA	CONTRACTOR'S CERTIFIED WELD INSPECTION AND NDE REPORTS
X	ON SITE COLD GALVANIZING VERIFICATION
X	GC AS-BUILT DOCUMENTS
ADDITIONAL TESTING AND INSPECTIONS:	
POST-CONSTRUCTION	
X	MI INSPECTOR REDLINE OR RECORD DRAWING(S)
X	VZW PMI DOCUMENTS
X	PHOTOGRAPHS
ADDITIONAL TESTING AND INSPECTIONS:	

NOTE: X DENOTES A DOCUMENT REQUIRED FOR THE MI REPORT
NA DENOTES A DOCUMENT THAT IS NOT REQUIRED FOR THE MI REPORT

THE MODIFICATION INSPECTION (MI) IS A VISUAL INSPECTION OF MODIFICATIONS AND A REVIEW OF CONSTRUCTION INSPECTIONS AND OTHER REPORTS TO ENSURE THE INSTALLATION WAS CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, NAMELY THE MODIFICATION DRAWINGS, AS DESIGNED BY THE ENGINEER OF RECORD (EOR).

THE MI IS TO CONFIRM INSTALLATION CONFIGURATION AND WORKMANSHIP ONLY AND IS NOT A REVIEW OF THE MODIFICATION DESIGN ITSELF, NOR DOES THE MI INSPECTOR TAKE OWNERSHIP OF THE MODIFICATION DESIGN. OWNERSHIP OF THE STRUCTURAL MODIFICATION DESIGN EFFECTIVENESS AND INTEGRITY RESIDES WITH THE EOR AT ALL TIMES.

TO ENSURE THAT THE REQUIREMENTS OF THE MI ARE MET, IT IS VITAL THAT THE GENERAL CONTRACTOR (GC) AND THE MI INSPECTOR BEGIN COMMUNICATING AND COORDINATING AS SOON AS A PURCHASE ORDER (PO) IS RECEIVED. IT IS EXPECTED THAT EACH PARTY WILL BE PROACTIVE IN REACHING OUT TO THE OTHER PARTY.

MI INSPECTOR

THE MI INSPECTOR IS REQUIRED TO CONTACT THE GC AS SOON AS RECEIVING A PO FOR THE MI TO, AT A MINIMUM:

- REVIEW THE REQUIREMENTS OF THE MI CHECKLIST
- WORK WITH THE GC TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE INSPECTIONS

THE MI INSPECTOR IS RESPONSIBLE FOR COLLECTING ALL GC INSPECTION AND TEST REPORTS, REVIEWING THE DOCUMENTS FOR ADHERENCE TO THE CONTRACT DOCUMENTS, CONDUCTING THE IN-FIELD INSPECTIONS, AND SUBMITTING THE MI REPORT TO EOR.

GENERAL CONTRACTOR

THE GC IS REQUIRED TO CONTACT THE MI INSPECTOR AS SOON AS RECEIVING A PO FOR THE MODIFICATION INSTALLATION OR TURNKEY PROJECT TO, AT A MINIMUM:

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

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

RECOMMENDATIONS

THE FOLLOWING RECOMMENDATIONS AND SUGGESTIONS ARE OFFERED TO ENHANCE THE EFFICIENCY AND EFFECTIVENESS OF DELIVERING AN MI REPORT:

- IT IS SUGGESTED THAT THE GC PROVIDE A MINIMUM OF 5 BUSINESS DAYS NOTICE, PREFERABLY 10, TO THE MI INSPECTOR AS TO WHEN THE SITE WILL BE READY FOR THE MI TO BE CONDUCTED.
- THE GC AND MI INSPECTOR COORDINATE CLOSELY THROUGHOUT THE ENTIRE PROJECT.
- WHEN POSSIBLE, IT IS PREFERRED TO HAVE THE GC AND MI INSPECTOR ON-SITE SIMULTANEOUSLY FOR ANY GUY WIRE TENSIONING OR RE-TENSIONING OPERATIONS.
- IT MAY BE BENEFICIAL TO INSTALL ALL MODIFICATIONS PRIOR TO CONDUCTING THE FOUNDATION INSPECTIONS TO ALLOW THE FOUNDATION AND MI INSPECTION(S) TO COMMENCE WITH ONE SITE VISIT.
- WHEN POSSIBLE, IT IS PREFERRED TO HAVE THE GC AND MI INSPECTOR ON-SITE DURING THE MI TO HAVE ANY DEFICIENCIES CORRECTED DURING THE INITIAL MI. THEREFORE, THE GC MAY CHOOSE TO COORDINATE THE MI CAREFULLY TO ENSURE ALL CONSTRUCTION FACILITIES ARE AT THEIR DISPOSAL WHEN THE MI INSPECTOR IS ON SITE.

CORRECTION OF FAILING MI'S

IF THE MODIFICATION INSTALLATION WOULD FAIL THE MI ("FAILED MI"), THE GC SHALL WORK WITH THE OWNER TO COORDINATE A REMEDIATION PLAN:

- CORRECT FAILING ISSUES TO COMPLY WITH THE SPECIFICATIONS CONTAINED IN THE ORIGINAL CONTRACT DOCUMENTS AND COORDINATE A SUPPLEMENT MI.

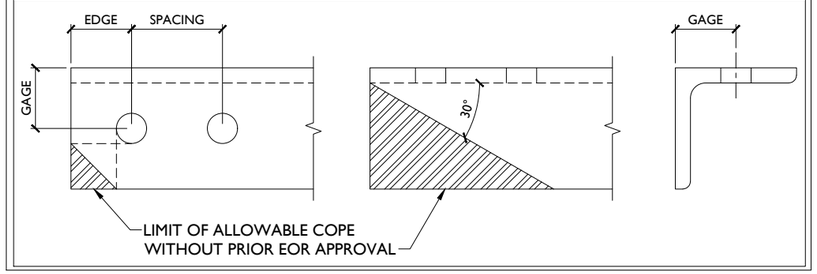
REQUIRED PHOTOS

BETWEEN THE GC AND THE MI INSPECTOR THE FOLLOWING PHOTOGRAPHS, AT A MINIMUM, ARE TO BE TAKEN AND INCLUDED IN THE MI REPORT:

- PRE-CONSTRUCTION GENERAL SITE CONDITION
- PHOTOGRAPHS DURING THE REINFORCEMENT MODIFICATION CONSTRUCTION/ERECTION AND INSPECTION
  - RAW MATERIALS
  - PHOTOS OF ALL CRITICAL DETAILS
  - FOUNDATION MODIFICATIONS
  - WELD PREPARATION
  - BOLT INSTALLATION
  - FINAL INSTALLED CONDITION
  - SURFACE COATING REPAIR
- POST CONSTRUCTION PHOTOGRAPHS
  - FINAL INFIELD CONDITION

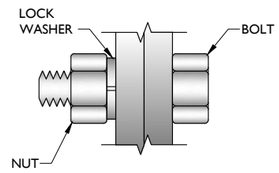
PHOTOS OF ELEVATED MODIFICATIONS TAKEN ONLY FROM THE GROUND SHALL BE CONSIDERED INADEQUATE.

ALLOWABLE COPING



BOLT SCHEDULE (IN.)				
BOLT DIAMETER	**STANDARD HOLE**	**SHORT SLOT**	**MIN. EDGE DISTANCE**	**SPACING**
1/2	9/16	9/16 x 11/16	7/8	1 1/2
5/8	11/16	11/16 x 7/8	1 1/8	1 7/8
3/4	13/16	13/16 x 1	1 1/4	2 1/4
7/8	15/16	15/16 x 1 1/8	1 1/2	2 5/8
1	1 1/16	1 1/16 x 1 5/16	1 3/4	3

WORKABLE GAGES (IN.)	
LEG	**GAGE**
4	2 1/2
3 1/2	2
3	1 3/4
2 1/2	1 3/8
2	1 1/8



TYP. BOLT ASSEMBLY

NOTES:

1. ALL DIMENSIONS REPRESENTED IN THE ABOVE TABLES ARE AISC MINIMUM REQUIREMENTS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ENGINEER IF DISTANCES ARE LESS THAN THOSE PROVIDED.
2. THE DIMENSIONS PROVIDED ARE MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS OF PROPOSED MEMBERS WITHIN THESE DRAWINGS MAY VARY FROM THE AISC MINIMUM REQUIREMENTS.
3. SHORT SLOT HOLES SHALL ONLY BE USED WHEN DEPICTED IN THE DRAWINGS
4. MATCH EXISTING GAGES WHEN APPLICABLE, UNLESS MINIMUM EDGE DISTANCES ARE COMPROMISED.

MASER CONSULTING CONNECTICUT
WILL BE KNOWN AS COLLIERS ENGINEERING & DESIGN IN 2021
Customer Loyalty *through* Client Satisfaction
www.maserconsulting.com
Office Locations:
NEW JERSEY, NEW YORK, PENNSYLVANIA, VIRGINIA, FLORIDA, NORTH CAROLINA, SOUTH CAROLINA, NEW MEXICO, MARYLAND, GEORGIA, TEXAS, TENNESSEE, COLORADO

verizon

PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTHS SURFACE ANYWHERE IN ANY STATE
811 Know what's below. Call before you dig.
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE: AS SHOWN | JOB NUMBER: 21777533A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	6/24/2021	ISSUED FOR CONSTRUCTION	JRA	JPL

STATE OF CONNECTICUT
Justin Linette
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NUMBER: 31965
MASER CONSULTING CONNECTICUT
C.T. C.O.A. #: PEC.0000131
Digitally Signed by Justin Peter Linette
Date: 2021.06.24 15:37:33-04'00'

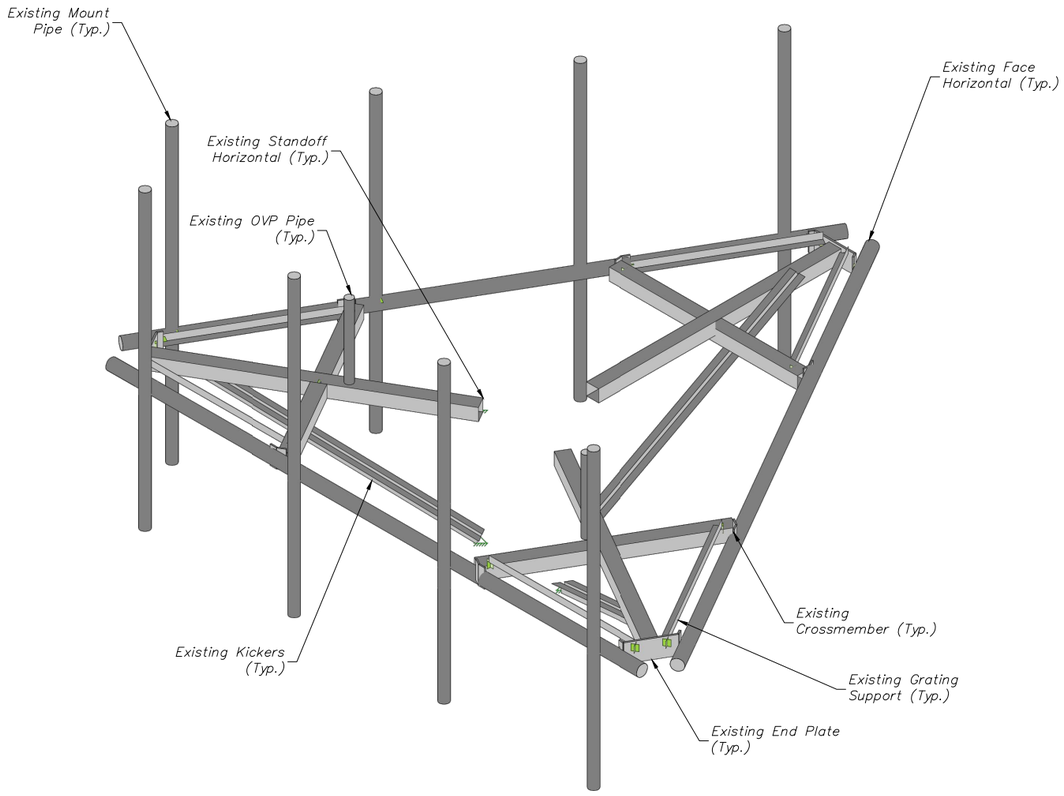
SITE NAME:
BEACON FALLS 2 CT - TOWN MONOPOLE
470974
401 LOPUS ROAD
BEACON FALLS, CT 06403
NEW HAVEN COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE: MODIFICATION NOTES

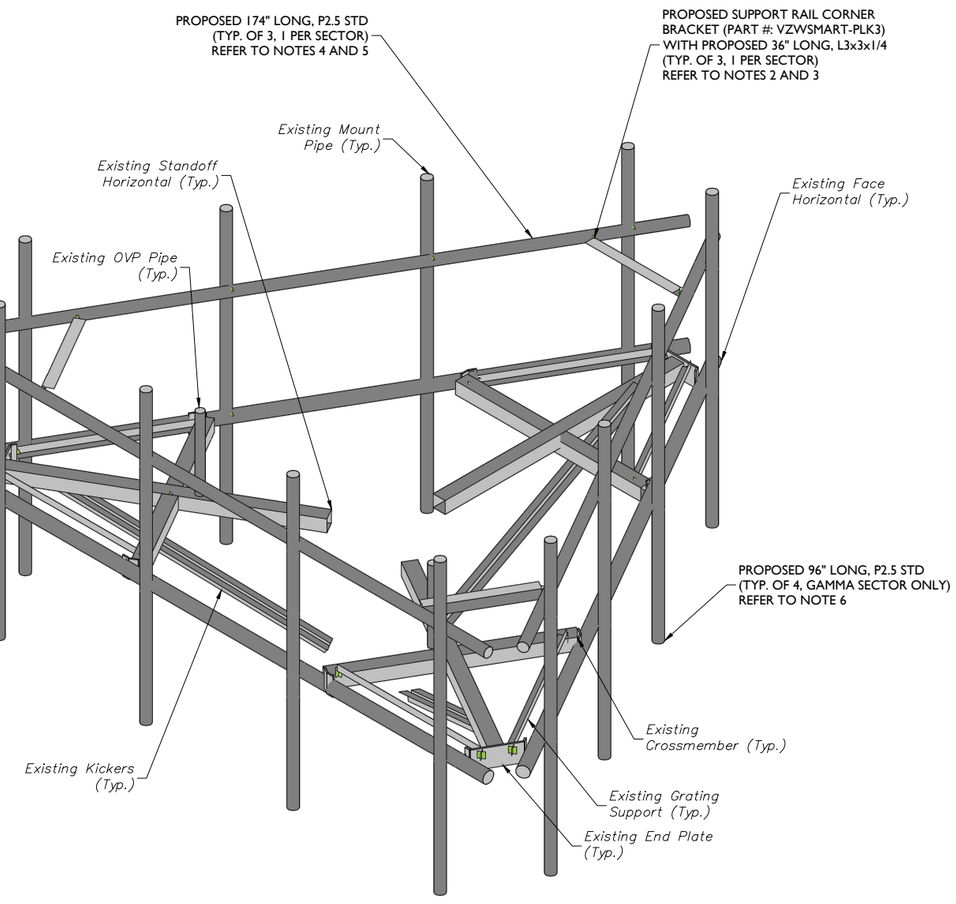
SHEET NUMBER: S-3

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



1 EXISTING PLATFORM ISOMETRIC VIEW

SCALE : N.T.S.



2 PROPOSED PLATFORM ISOMETRIC VIEW

SCALE : N.T.S.

STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY FDH INFRASTRUCTURE SERVICES, LLC ON 4/10/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (113'-6") ARE IN GOOD CONDITION. MASER CONSULTING CONNECTICUT DOES NOT WARRANT THIS INFORMATION.
2. INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES.

MODIFICATION NOTES:

1. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
2. CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2.
3. CONTRACTOR SHALL CONNECT PROPOSED L3x3x1/4 ANGLES TO CORNER BRACKETS USING THE PROVIDED (8) 5/8" DIA. BOLTS, (4) BOLTS PER CONNECTION.
4. 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.
5. CONNECT NEW HORIZONTAL TO ALL VERTICAL MOUNT PIPES WITH CROSSOVER PLATES (PART #: VZWSMART-MSK1).
6. CONNECT NEW MOUNT PIPE TO EXISTING HORIZONTAL WITH CROSSOVER PLATES (PART #: VZWSMART-MSK2).

MASER CONSULTING CONNECTICUT
WILL BE KNOWN AS COLLIERS ENGINEERING & DESIGN IN 2021
Customer Loyalty *through* Client Satisfaction
www.maserconsulting.com
Office Locations:
- NEW JERSEY
- NEW YORK
- PENNSYLVANIA
- VIRGINIA
- FLORIDA
- NORTH CAROLINA
- SOUTH CAROLINA
- NEW MEXICO
- MARYLAND
- GEORGIA
- TEXAS
- TENNESSEE
- COLORADO

verizon

811 PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTHS SURFACE ANYWHERE IN ANY STATE
Know what's below. Call before you dig.
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE : AS SHOWN
JOB NUMBER : 21777533A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	6/24/2021	ISSUED FOR CONSTRUCTION	JRA	JPL

STATE OF CONNECTICUT
Justin Linette
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NUMBER: 31965
MASER CONSULTING CONNECTICUT
C.T. C.O.A. #: PEC.0000131
LICENSED PROFESSIONAL ENGINEER
Digitally Signed by Justin Peter Linette
Date: 2021.06.24 15:37:22-04'00'

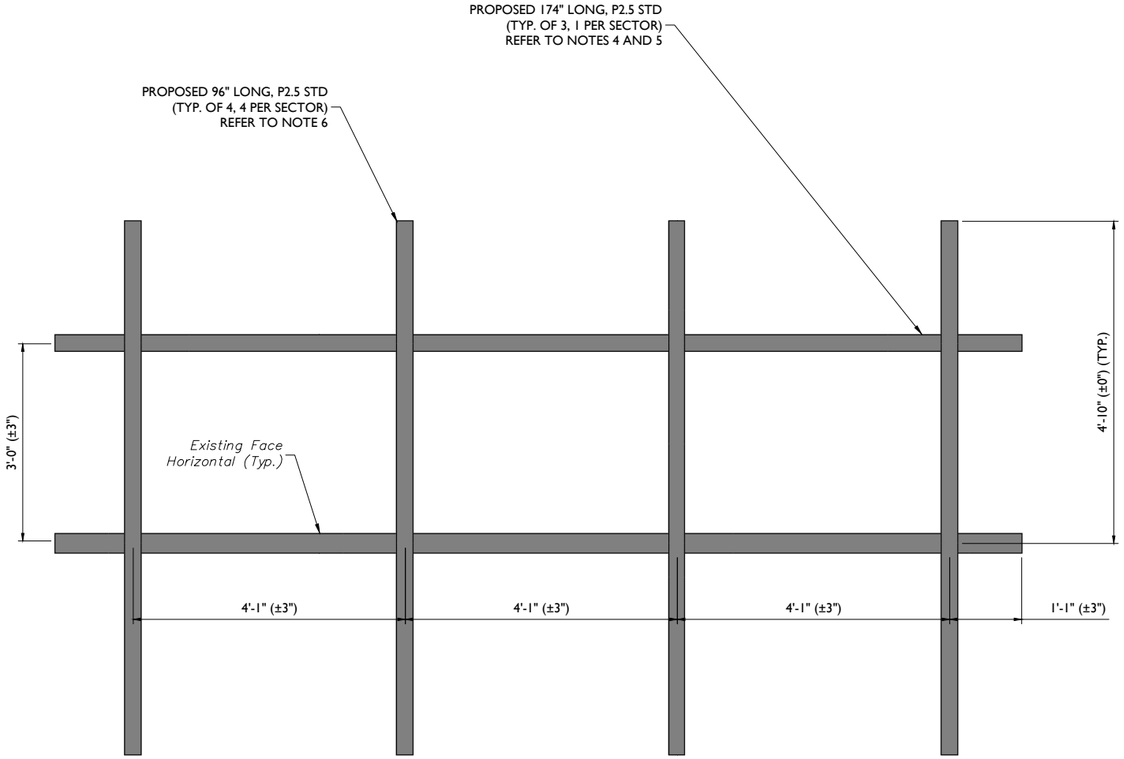
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE NAME:
BEACON FALLS 2 CT - TOWN MONOPOLE
470974
401 LOPUS ROAD
BEACON FALLS, CT 06403
NEW HAVEN COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

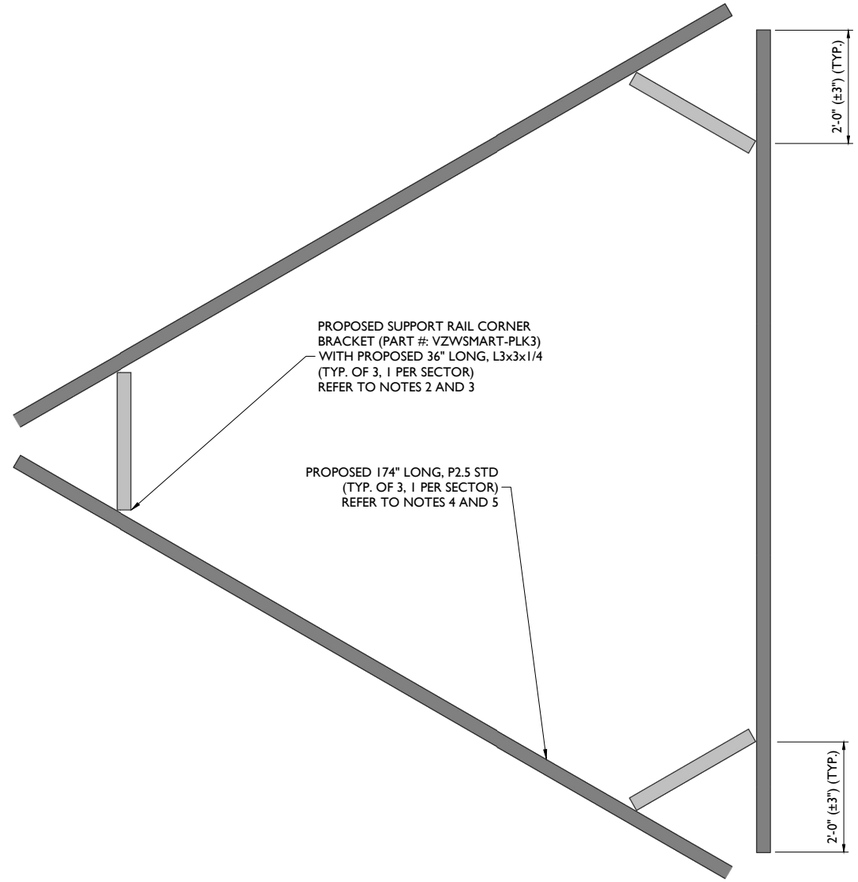
SHEET TITLE :
MODIFICATION DETAILS

SHEET NUMBER :
S-4



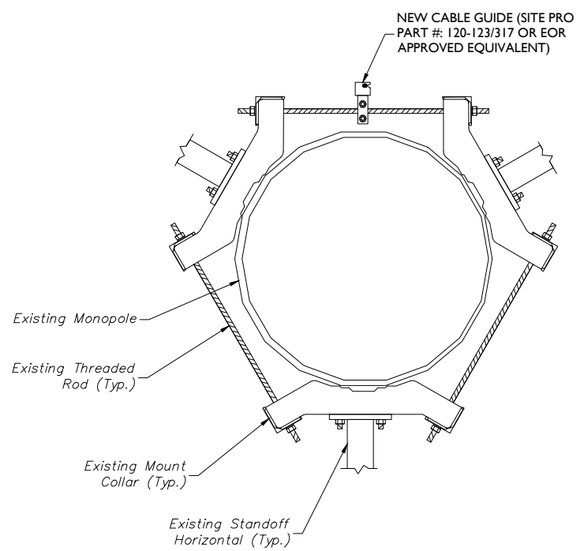
1 PROPOSED FRONT ELEVATION (GAMMA SECTOR)

SCALE : N.T.S.



2 PROPOSED PLAN VIEW - SUPPORT RAIL

SCALE : N.T.S.



3 PROPOSED CABLE GUIDE THREADED ROD ATTACHMENT - PLAN VIEW

SCALE : N.T.S.

MODIFICATION NOTES:

1. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
2. CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2.
3. CONTRACTOR SHALL CONNECT PROPOSED L3x3x1/4 ANGLES TO CORNER BRACKETS USING THE PROVIDED (8) 5/8" DIA. BOLTS, (4) BOLTS PER CONNECTION.
4. 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.
5. CONNECT NEW HORIZONTAL TO ALL VERTICAL MOUNT PIPES WITH CROSSOVER PLATES (PART #: VZWSMART-MSK1).
6. CONNECT NEW MOUNT PIPE TO EXISTING HORIZONTAL WITH CROSSOVER PLATES (PART #: VZWSMART-MSK2).

MASER CONSULTING CONNECTICUT
WILL BE KNOWN AS COLLIERS ENGINEERING & DESIGN IN 2021
Customer Loyalty *through* Client Satisfaction
www.maserconsulting.com
Office Locations:
- NEW JERSEY
- NEW YORK
- PENNSYLVANIA
- VIRGINIA
- FLORIDA
- NORTH CAROLINA
- SOUTH CAROLINA
- NEW MEXICO
- MARYLAND
- GEORGIA
- TEXAS
- TENNESSEE
- COLORADO

verizon

PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTHS SURFACE ANYWHERE IN ANY STATE
811 Know what's below. Call before you dig.
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE :	JOB NUMBER :
AS SHOWN	21777533A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	6/24/2021	ISSUED FOR CONSTRUCTION	JRA	JPL

Justin Linette
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NUMBER: 31965
MASER CONSULTING CONNECTICUT
C.T. C.O.A. #: PC.0000131

Digitally Signed by Justin Peter Linette
Date: 2021.06.24 15:37:22-04'00'

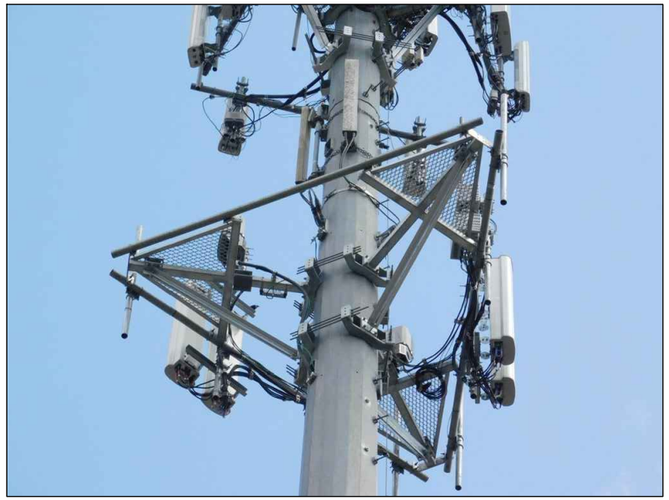
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE NAME:
BEACON FALLS 2 CT - TOWN MONOPOLE
470974
401 LOPUS ROAD
BEACON FALLS, CT 06403
NEW HAVEN COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE :
MODIFICATION DETAILS

SHEET NUMBER :
S-5



MOUNT PHOTO 1

MOUNT PHOTO 2

MOUNT PHOTO 3

MOUNT PHOTO 4

MASER CONSULTING CONNECTICUT
WILL BE KNOWN AS COLLIERS ENGINEERING & DESIGN IN 2021
Customer Loyalty *through* Client Satisfaction
www.maserconsulting.com
Office Locations:

- NEW JERSEY
- NEW YORK
- PENNSYLVANIA
- VIRGINIA
- FLORIDA
- NORTH CAROLINA
- SOUTH CAROLINA
- NEW MEXICO
- MARYLAND
- GEORGIA
- TEXAS
- TENNESSEE
- COLORADO

verizon

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

PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTHS SURFACE ANYWHERE IN ANY STATE

FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE :	JOB NUMBER :
AS SHOWN	21777533A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	6/24/2021	ISSUED FOR CONSTRUCTION	JRA	JPL

Justin Linette
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NUMBER: 31965
MASER CONSULTING CONNECTICUT
C.T. C.O.A. #: PEC.0000131

Digitally Signed by Justin Peter Linette
Date: 2021.06.24 15:37:22-04'00'

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:
BEACON FALLS 2 CT - TOWN MONOPOLE
470974

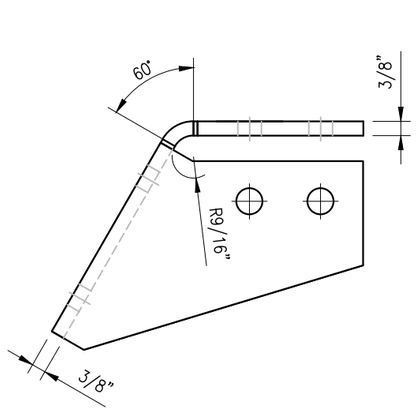
401 LOPUS ROAD
BEACON FALLS, CT 06403
NEW HAVEN COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054

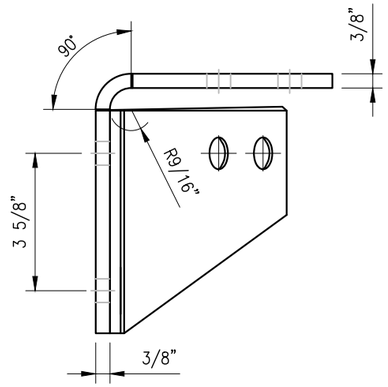
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE :
MOUNT PHOTOS

SHEET NUMBER :
S-6

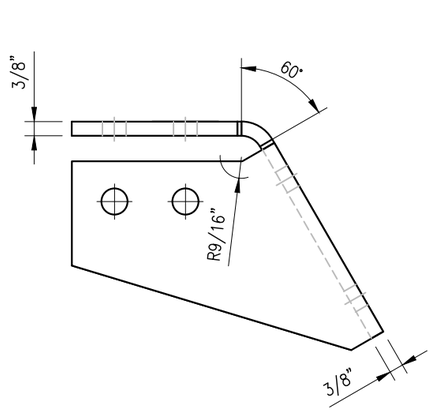


TOP VIEW

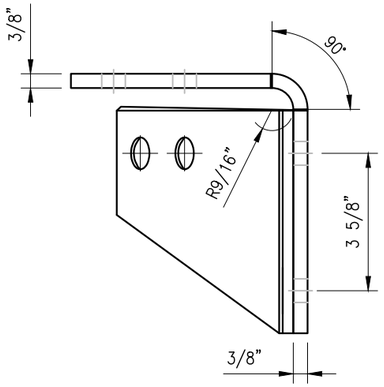


SIDE VIEW

CBP-L



TOP VIEW



SIDE VIEW

CBP-R

NOTES:
1. HOT-DIPPED GALVANIZED PER ASTM A123.

VZWSMART-PLK3 (SUPPORT RAIL CORNER BRACKET)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	CBP-L	CORNER BENT PLATE BRACKET	PLK3-F1	9
2	1	CBP-R	CORNER BENT PLATE BRACKET	PLK3-F1	9
3	4	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	5
4	8	---	BOLT 5/8" X 2" A325	---	3
5	16	FW-625	5/8" HDG USS FLAT WASHER	---	1
6	16	LW-625	5/8" HDG LOCK WASHER	---	0
7	16	NUT-625	5/8" HDG HEX NUT	---	2
				GALVANIZED WT	30

VzW SMART Tool© Vendor

verizon

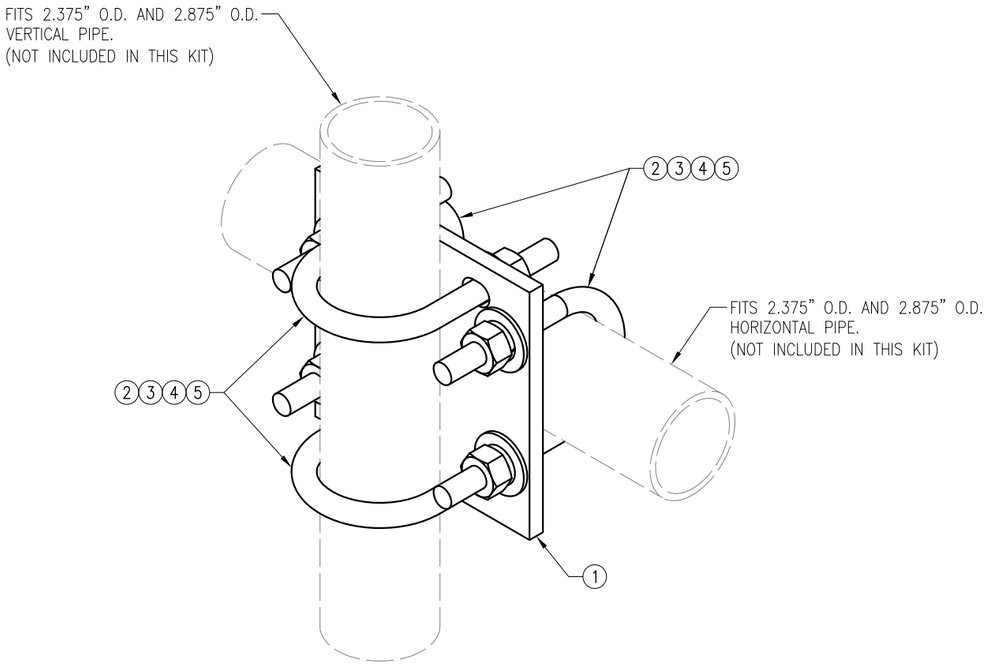
DRAWN BY: H.R | CHECKED BY: HMA

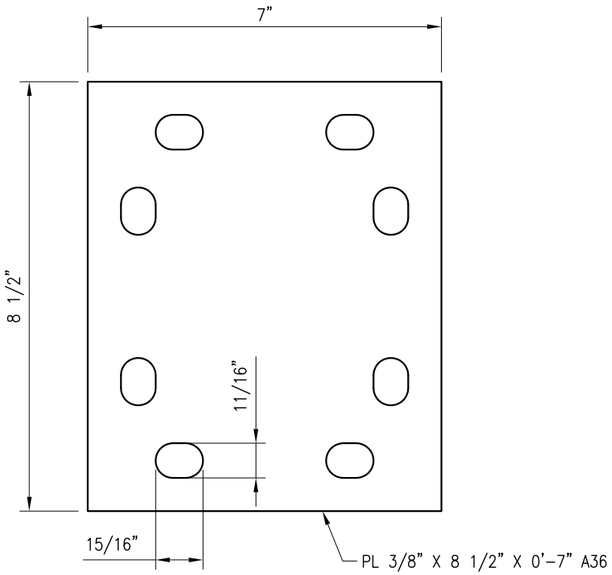
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:
VZWSMART-PLK3 SUPPORT RAIL CORNER BRACKET

SHEET NUMBER: VZWSMART-PLK3

REV #: 0





PL375-857

VZWSMART-MSK1 (CROSSOVER PLATE)					
ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	PL375-857	PL 3/8" X 8 1/2" X 0'-7" A36	MSK1-F1	6
2	4	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	5
3	8	FW-625	5/8" HDG USS FLAT WASHER	---	1
4	8	LW-625	5/8" HDG LOCK WASHER	---	0
5	8	NUT-625	5/8" HDG HEX NUT	---	1
				GALVANIZED WT	14

NOTES:
1. HOT-DIPPED GALVANIZED PER ASTM A123.

VzW SMART Tool© Vendor

verizon

DRAWN BY: H.R | CHECKED BY: HMA

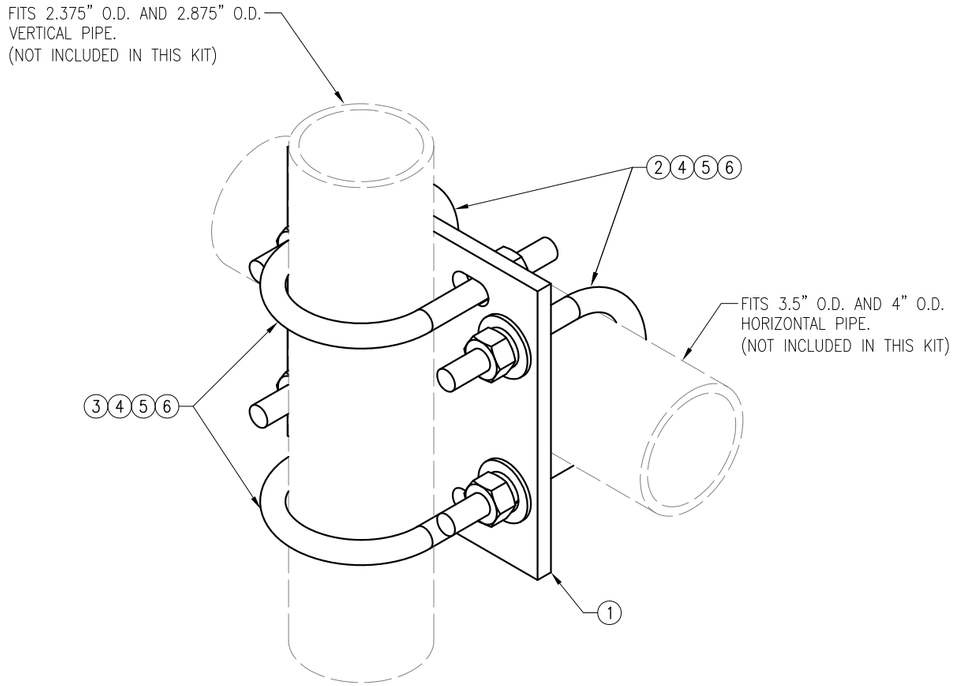
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20

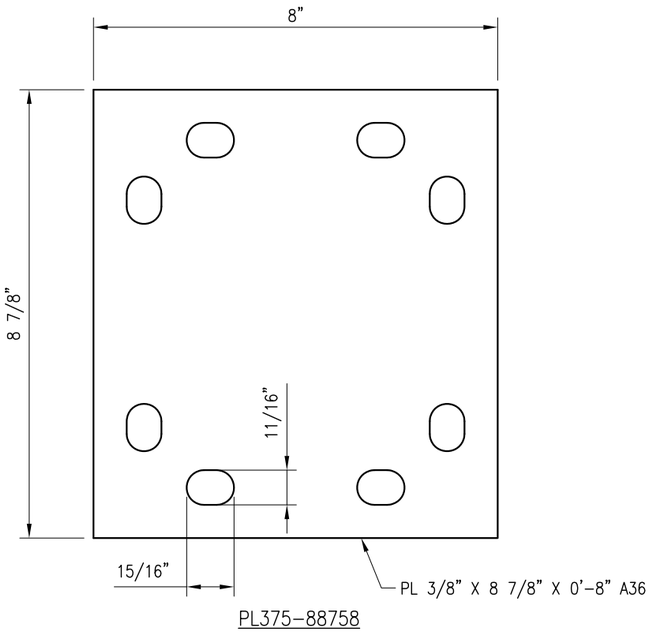
SHEET TITLE:

VZWSMART-MSK1
CROSSOVER PLATE

SHEET NUMBER: VZWSMART-MSK1

REV #: 0





PL375-88758

NOTES:
1. HOT-DIPPED GALVANIZED PER ASTM A123.

VZWSMART-MSK2 (CROSSOVER PLATE)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	PL375-88758	PL 3/8" X 8 3/4" X 0'-8" A36	MSK2-F1	8
2	2	MS02-625-4125-600	RU-BOLT 5/8" X 4 1/8" I.W. X 6" I.L. A36 (OR EQUIV.)	RBC-1	3
3	2	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	3
4	8	FW-625	5/8" HDG USS FLAT WASHER	---	1
5	8	LW-625	5/8" HDG LOCK WASHER	---	0
6	8	NUT-625	5/8" HDG HEX NUT	---	1
				GALVANIZED WT	15

VzW SMART Tool© Vendor

verizon

DRAWN BY: H.R | CHECKED BY: HMA

REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:
VZWSMART-MSK2
CROSSOVER PLATE

SHEET NUMBER: VZWSMART-MSK2

REV #: 0

Site Name: ***BEACON FALLS 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	648	2593	149	0.0042	0.5007	0.84%
VZW CDMA	877.26	2	404	807	149	0.0013	0.5848	0.22%
VZW Cellular	874	4	742	2969	149	0.0048	0.5827	0.83%
VZW PCS	1975	4	1561	6243	149	0.0101	1.0000	1.01%
VZW AWS	2120	4	1528	6112	149	0.0099	1.0000	0.99%
VZW CBAND	3730.08	4	6531	26125	149	0.0423	1.0000	4.23%
Total Percentage of Maximum Permissible Exposure								8.12%

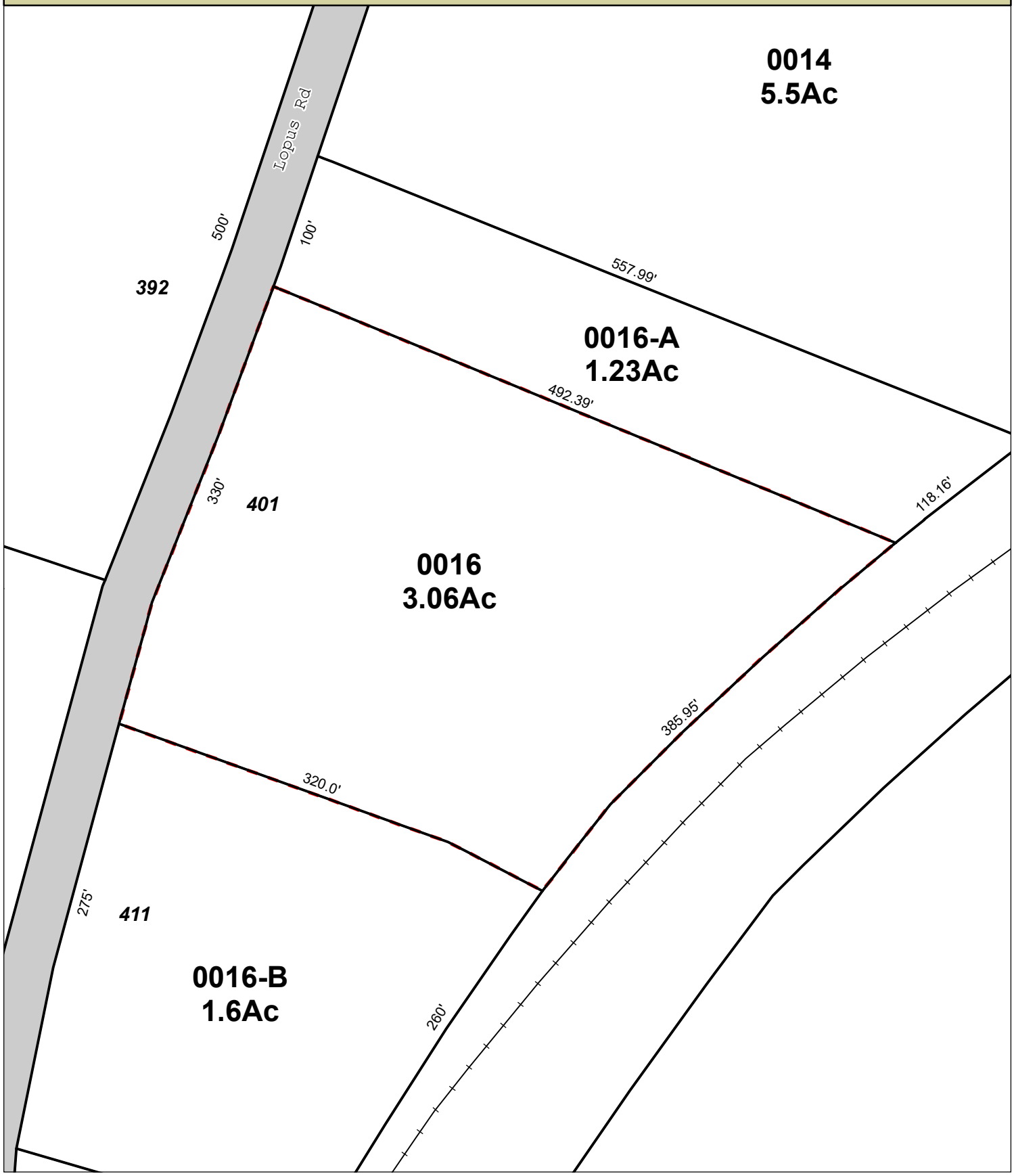
*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992
**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council's November 10, 2015 Memorandum for Exempt Modification filings

MHz = Megahertz
mW/cm^2 = milliwatts per square centimeter
ERP = Effective Radiated Power

Absolute worst case maximum values used.

Town of Beacon Falls, Connecticut - Assessment Parcel Map

Parcel: 003-001-0016 **Address:** 401 LOPUS RD



N

Approximate Scale: 1 inch = 100 feet

0 30 60 90 120 Feet

Map Produced May 2021

GLOBAL TOWER PROPERTIES, LLC
750 PARK OF COMMERCE BLVD SUITE 300
BOCA RATON, FL 33487

Tax ID 003-001-0016 Printed 04/26/2019 Card No. 1 of 1

Neighborhood Number
300
Neighborhood Name
General Industrial
TAXING DISTRICT INFORMATION

Jurisdiction Name	BEACON FALLS
Area	006
Routing Number	003-001-0016

Transfer of Ownership

Owner	Consideration	Transfer Date	Deed Type	Deed Book/Page
BEACON FALLS TOWN OF	0	10/05/2012		. .

Valuation Record

Assessment Year		2012	2016						
Reason for Change		Use Chg	2016 Reval						
2016 Market	L	0	0						
	I	250000	275000						
	T	250000	275000						
70% Assessed	L	0	0						
	I	175000	192500						
	T	175000	192500						

Site Description

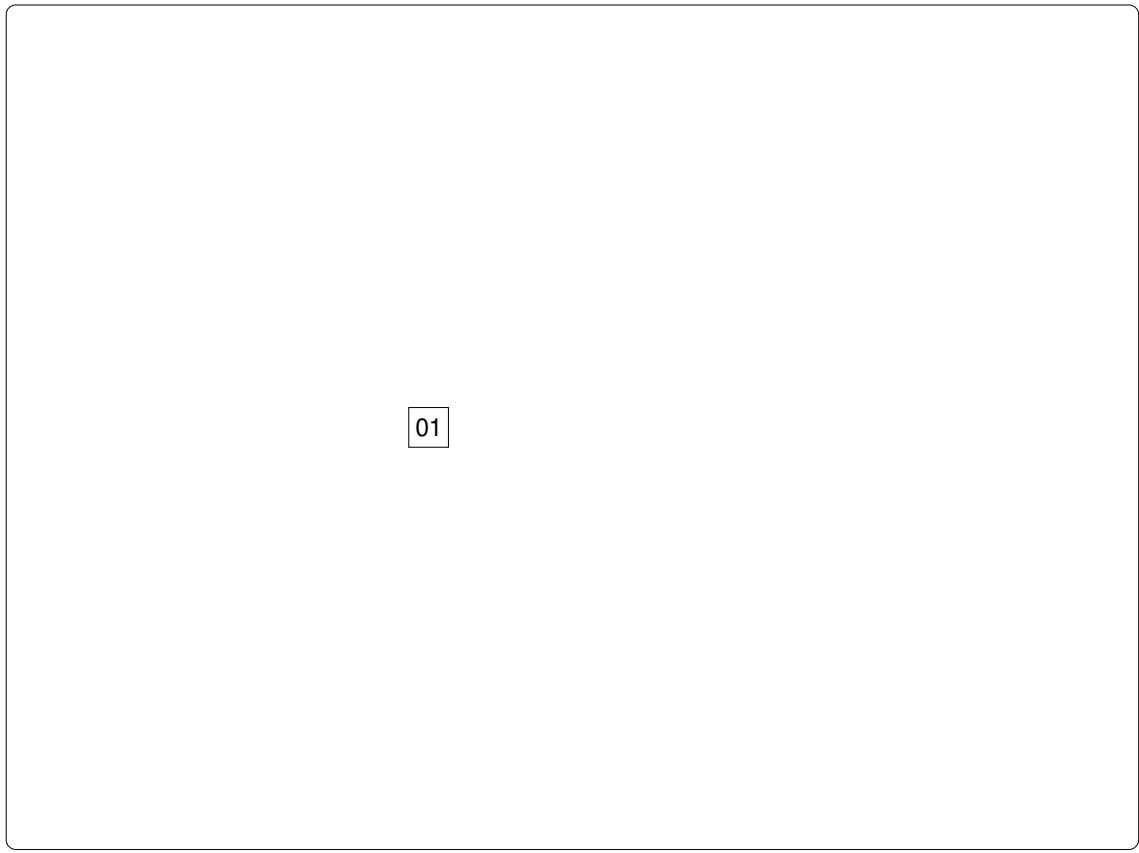
Topography
Level
Public Utilities
Electric
Street or Road
Paved
Neighborhood
Static
Zoning:
IPD
Legal Acres:
0.0000

Land Size

Land Type	Rating, Soil ID - or - Actual Frontage	Acreage - or - Effective Frontage	Square Feet - or - Effective Depth	Influence Factor

Tax ID 003-001-0016 Printed 04/26/2019

Physical Characteristics



Special Features

Description

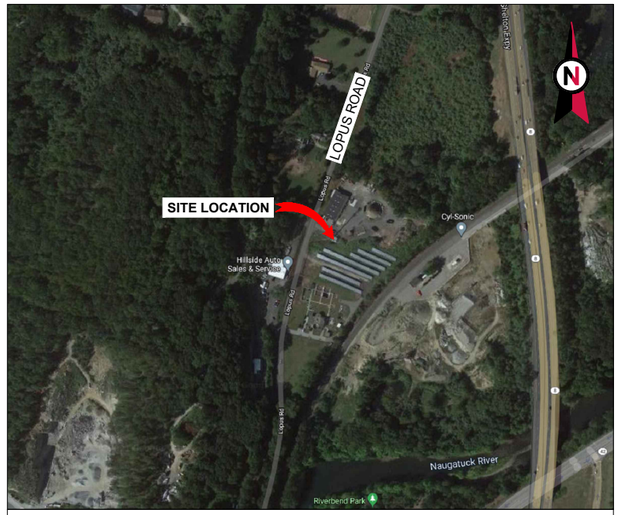
Summary of Improvements

ID	USE	Story Height	Const Type	Grade	Year Cons	Eff Year	Cond	Size or Area
01	TOWERMON	0.00		AVG	2011	2011	AV	160

VICINITY MAP

AMERICAN TOWER®

ATC SITE NAME: BEACON FALLS CT
ATC SITE NUMBER: 370641
VERIZON SITE NAME: BEACON FALLS 2 CT
VERIZON SITE NUMBER:470974
SITE ADDRESS: 401-411 LOPUS ROAD
BEACON FALLS, CT 06403-0000



LOCATION MAP

VERIZON
5G L-SUB6 CARRIER ADD ANTENNA 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-AMENDMENTS TO IBC 2015
2. INTERNATIONAL BUILDING CODE 2015, INTERNATIONAL CODE COUNCIL
3. TIA-222-G-4, STRUCTURAL STANDARD FOR ANTENNA SUPPORTING STRUCTURES AND ANTENNAS
4. ASCE 7-10 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, AMERICAN SOCIETY OF CIVIL ENGINEERS
5. STEEL CONSTRUCTION MANUAL 14TH EDITION, AMERICAN INSTITUTE OF STEEL CONSTRUCTION
6. CITY/COUNTY ORDINANCES

UTILITY COMPANIES

POWER COMPANY: UNKNOWN
PHONE: (XXX) XXX-XXXX

TELEPHONE COMPANY: UNKNOWN
PHONE: (XXX) XXX-XXXX

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

PROJECT SUMMARY

SITE ADDRESS:

401-411 LOPUS ROAD

BEACON FALLS, CT 06403-0000

COUNTY: NEW HAVEN

GEOGRAPHIC COORDINATES:

LATITUDE: 41.43283333

LONGITUDE: -73.07022222

GROUND ELEVATION: 159' AMSL

PROJECT TEAM

TOWER OWNER:

AMERICAN TOWER
10 PRESIDENTIAL WAY
WOBURN, MA 01801

APPLICANT:

VERIZON WIRELESS
118 FLANDERS ROAD
WESTBOROUGH, MA 01581

ENGINEER:

DEWBERRY ENGINEERS INC.
99 SUMMER STREET
SUITE 700
BOSTON, MA 02110

PROPERTY OWNER:

GTP NO PAY VENDOR
401-411 LOPUS ROAD
BEACON FALLS, CT 06403

PROJECT DESCRIPTION

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

INSTALL (2) ANTENNA(s) AND (2) RRH(s)

EXISTING (4) ANTENNA(s), (4) RRH(s), (2) OVP(s) AND (2) 6X12 1-5/8" HYBRID 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.

PROJECT LOCATION DIRECTIONS

FROM HAMDEN CT TAKE WILBUR CROSS PARKWAY CT-15 SOUTH TOWARD NEW YORK CITY. TAKE EXIT 59 CT-69 WOODBRIDGE / NEW HAVEN. TURN LEFT ONTO CT-69; TURN LEFT ON LUCY ST; TURN RIGHT ON CT-63 AMITY ROAD; TURN LEFT ON SEYMOUR ROAD CT-67; MERGE ONTO CT-8 NORTH TOWARD WATERBURY; TAKE EXIT 23 CT-42 TO BEACON FALLS / OXFORD; TURN RIGHT ONTO SOUTH MAIN ST CT-42; TURN LEFT ON DEPOT ST; TURN RIGHT ON LOPUS ROAD. SITE IS ON THE LEFT

SHEET INDEX

SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:
G-001	TITLE SHEET	0	07/13/21	BR
G-002	GENERAL NOTES	0	07/13/21	BR
C-101	DETAILED SITE PLAN	0	07/13/21	BR
C-201	TOWER ELEVATION	0	07/13/21	BR
C-401	ANTENNA INFORMATION & SCHEDULE	0	07/13/21	BR
C-501	CONSTRUCTION DETAILS	0	07/13/21	BR
E-501	GROUNDING DETAILS	0	07/13/21	BR
R-601	SUPPLEMENTAL			
R-602	SUPPLEMENTAL			
	MOUNT MODIFICATION DRAWINGS (13 SHEETS)			

AMERICAN TOWER®

Dewberry®
Dewberry Engineers Inc.
99 SUMMER STREET
SUITE 700
BOSTON, MA 02110
PHONE: 617.531.0801
FAX: 617.695.3310

REV.	DESCRIPTION	BY	DATE
A	PRELIM	MR	06/02/21
0	FINAL	BR	07/13/21

ATC SITE NUMBER:
370641

ATC SITE NAME:
BEACON FALLS CT

VERIZON SITE NAME:
BEACON FALLS 2 CT

SITE ADDRESS:
401-411 LOPUS ROAD
BEACON FALLS, CT 06403-0000

SEAL:

verizon

DATE DRAWN:	06/02/21
ATC JOB NO:	13668730_D1
CUSTOMER ID:	BEACON FALLS 2 CT
CUSTOMER #:	470974

TITLE SHEET

SHEET NUMBER:	REVISION:
G-001	0

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

B. INSTALL ANTENNA AS INDICATE 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 GREED GROUND WIRE "DAISY CHAIN" CONNECTIONS ARE TO BE WEATHER SEALED WITH RFS CONNECTORS/SPLICE WEATHERPROOFING KIT #221213 OR EQUAL.

3. ALL COAXIAL CABLE GROUNDING KITS ARE TO BE INSTALLED ON STRAIGHT RUNS OF COAXIAL CABLE (NOT WITHIN BENDS)

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

AMERICAN TOWER®

Dewberry®
Dewberry Engineers Inc.
99 SUMMER STREET
SUITE 700
BOSTON, MA 02110
PHONE: 617.531.0801
FAX: 617.695.3310

REV.	DESCRIPTION	BY	DATE
A	PRELIM	MR	06/02/21
0	FINAL	BR	07/13/21

ATC SITE NUMBER:
370641

ATC SITE NAME:
BEACON FALLS CT

VERIZON SITE NAME:
BEACON FALLS 2 CT

SITE ADDRESS:
401-411 LOPUS ROAD
BEACON FALLS, CT 06403-0000

SEAL:

verizon

DATE DRAWN:	06/02/21
ATC JOB NO:	13668730_D1
CUSTOMER ID:	BEACON FALLS 2 CT
CUSTOMER #:	470974

GENERAL NOTES

SHEET NUMBER:	REVISION:
G-002	0

SITE PLAN NOTES:

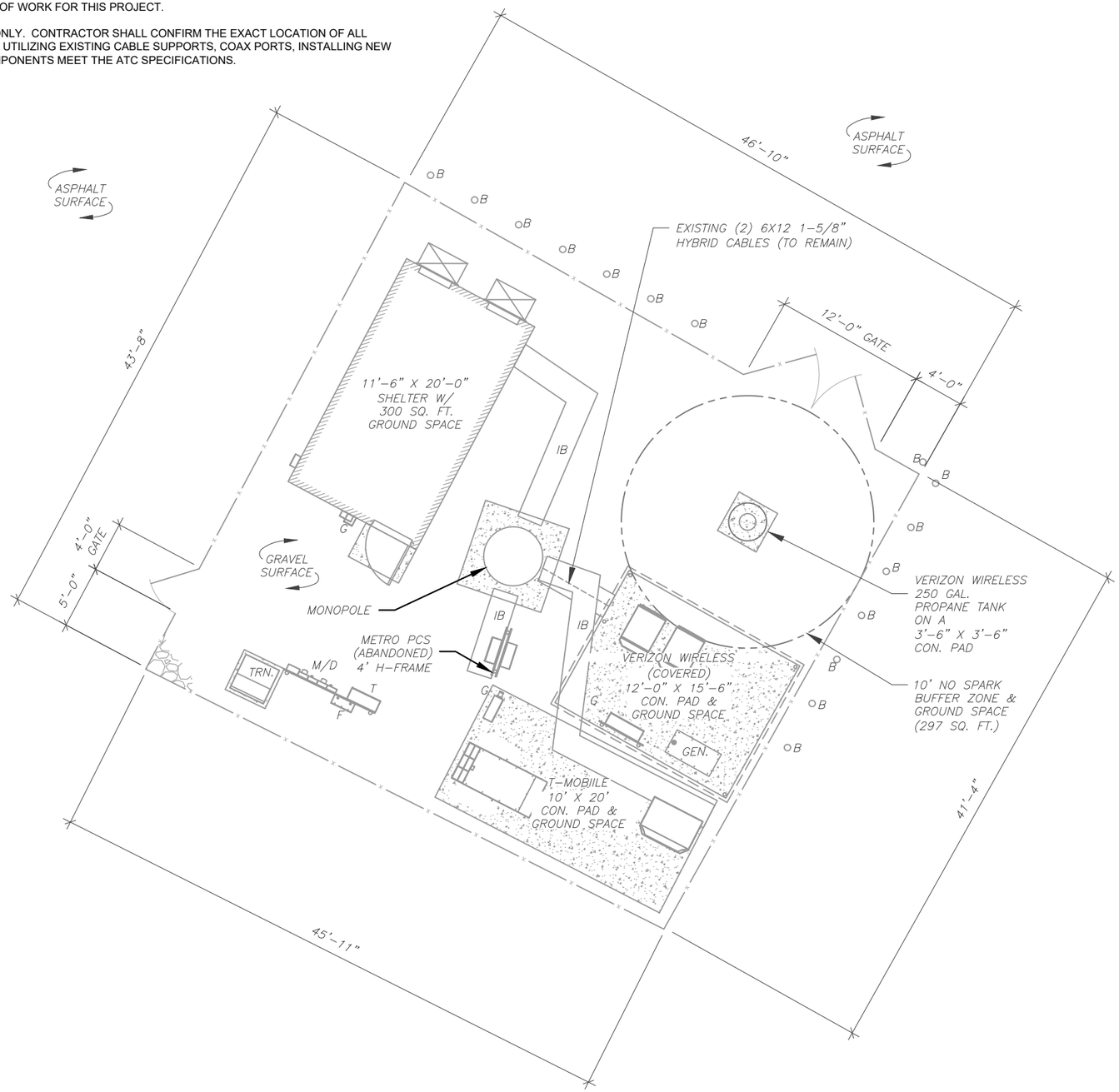
1. THIS SITE PLAN REPRESENTS THE BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF THIS DESIGN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION AND VERIFY ALL EXISTING CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT.

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

3. 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

N

AMERICAN TOWER®

Dewberry®
Dewberry Engineers Inc.
99 SUMMER STREET
SUITE 700
BOSTON, MA 02110
PHONE: 617.531.0801
FAX: 617.695.3310

REV.	DESCRIPTION	BY	DATE
A	PRELIM	MR	06/02/21
0	FINAL	BR	07/13/21

ATC SITE NUMBER:
370641

ATC SITE NAME:
BEACON FALLS CT

VERIZON SITE NAME:
BEACON FALLS 2 CT

SITE ADDRESS:
401-411 LOPUS ROAD
BEACON FALLS, CT 06403-0000

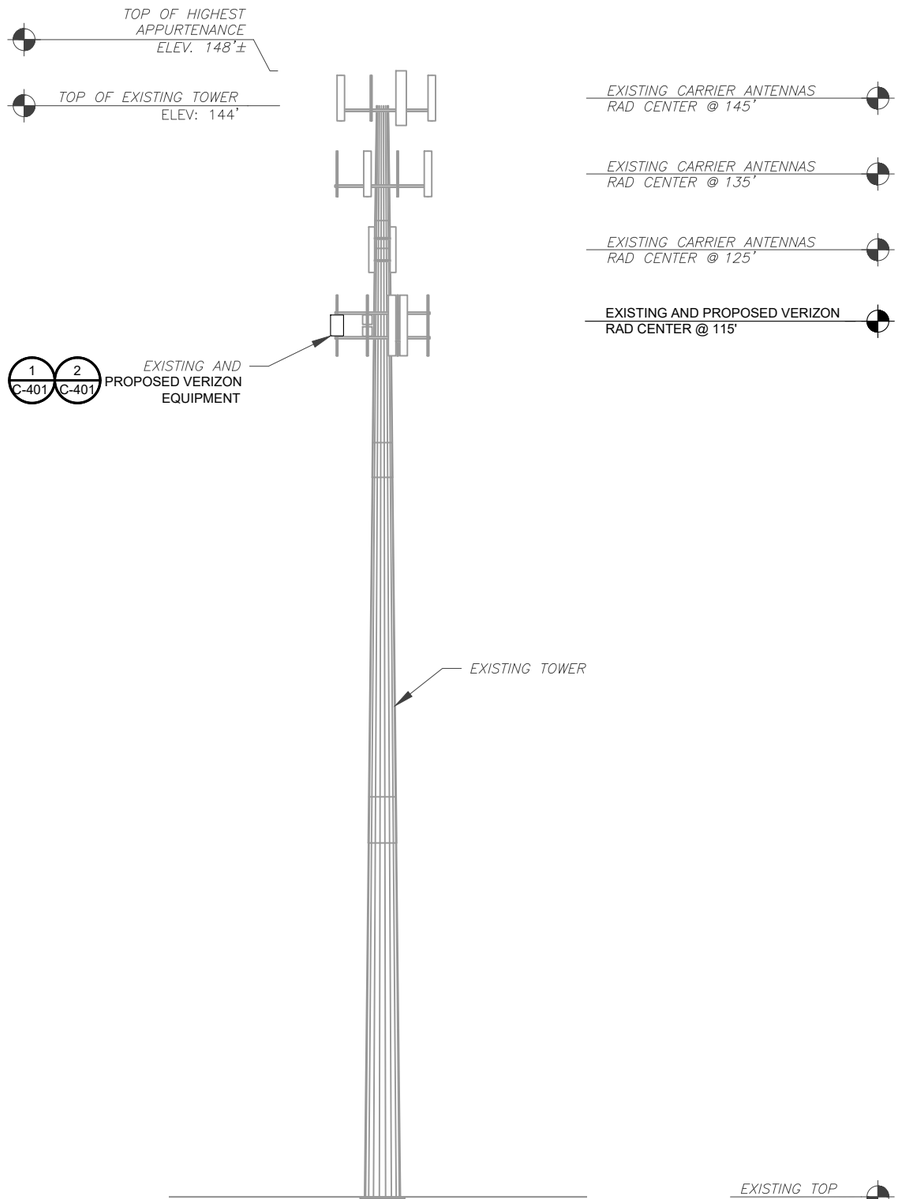
SEAL:

verizon

DATE DRAWN:	06/02/21
ATC JOB NO:	13668730_D1
CUSTOMER ID:	BEACON FALLS 2 CT
CUSTOMER #:	470974

DETAILED SITE PLAN

SHEET NUMBER:	REVISION:
C-101	0



1 TOWER ELEVATION
SCALE: N.T.S.

PER MOUNT ANALYSIS COMPLETED BY MASER CONSULTING, DATED 06/10/2021, THE EXISTING MOUNT MUST BE MODIFIED TO ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION PROPOSED IN THE MOUNT ANALYSIS, INCLUDED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT.

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.)

AMERICAN TOWER®

Dewberry®
Dewberry Engineers Inc.
99 SUMMER STREET
SUITE 700
BOSTON, MA 02110
PHONE: 617.531.0801
FAX: 617.695.3310

REV.	DESCRIPTION	BY	DATE
A	PRELIM	MR	06/02/21
0	FINAL	BR	07/13/21

ATC SITE NUMBER:
370641

ATC SITE NAME:
BEACON FALLS CT

VERIZON SITE NAME:
BEACON FALLS 2 CT

SITE ADDRESS:
401-411 LOPUS ROAD
BEACON FALLS, CT 06403-0000

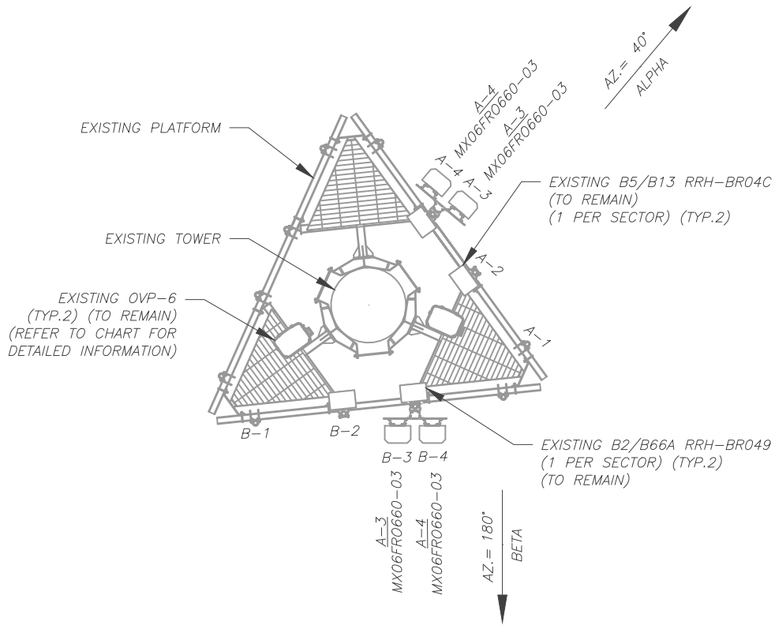
SEAL:

verizon

DATE DRAWN:	06/02/21
ATC JOB NO:	13668730_D1
CUSTOMER ID:	BEACON FALLS 2 CT
CUSTOMER #:	470974

TOWER ELEVATION

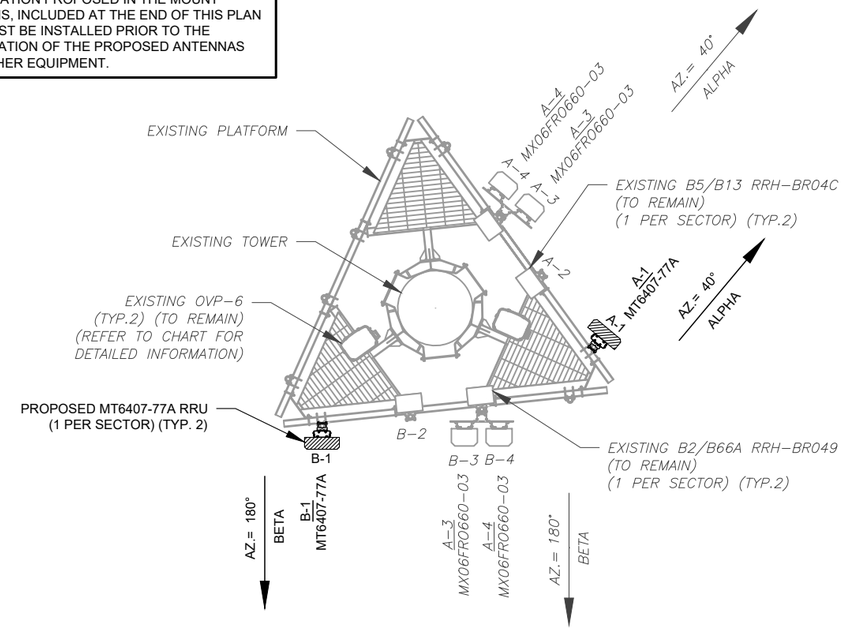
SHEET NUMBER:	REVISION:
C-201	0



1 EXISTING ANTENNA PLAN

SCALE: N.T.S.

PER MOUNT ANALYSIS COMPLETED BY MASER CONSULTING, DATED 06/10/2021, THE EXISTING MOUNT MUST BE MODIFIED TO ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION PROPOSED IN THE MOUNT ANALYSIS, INCLUDED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT.



2 FINAL ANTENNA PLAN

SCALE: 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	115'	40°	A2	–	–	–	–	B5/B13 RRH-BR04C	RMN
			A3	MX06FRO660-03	700/850/850 5G/ 1900/AWS	0/2,2,2,0, 0	RMN	B2/B66A RRH-BR049	RMN
			A4	MX06FRO660-03	700/850/850 5G/ 1900/AWS	0/2,2,2,0, 0	RMN	–	–
BETA	115'	180°	B2	–	–	–	–	B5/B13 RRH-BR04C	RMN
			B3	MX06FRO660-03	700/850/850 5G/ 1900/AWS	0/2,2,2,0, 0	RMN	B2/B66A RRH-BR049	RMN
			B4	MX06FRO660-03	700/850/850 5G/ 1900/AWS	0/2,2,2,0, 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	115'	40°	A1	MT6407-77A	L-SUB6	0/6	ADD	MT6407-77A	ADD
			A2	-	-	-	-	B5/B13 RRH-BR04C	RMN
								-	RMN
			A3	MX06FRO660-03	750/850/850 5G/1900/AWS	0/2,2,2,0,0	RMN	B2/B66A RRH-BR049	RMN
			A4	MX06FRO660-03	750/850/850 5G/1900/AWS	0/2,2,2,0,0	RMN	-	
BETA	115'	180°	B1	MT6407-77A	L-SUB6	0/6	ADD	MT6407-77A	ADD
			B2	-	-	-	-	B5/B13 RRH-BR04C	RMN
								-	RMN
			B3	MX06FRO660-03	750/850/850 5G/1900/AWS	0/2,2,2,0,0	RMN	B2/B66A RRH-BR049	RMN
			B4	MX06FRO660-03	750/850/850 5G/1900/AWS	0/2,2,2,0,0	RMN	-	–

EXISTING FIBER DISTRIBUTION/OVP BOX		EXISTING CABLING SUMMARY		
MODEL NUMBER	STATUS	COAX	HYBRID	STATUS
(2) DB-B1-6C-12AB-0Z	RMN	–	(2) 6X12 1-5/8"	RMN

3 EQUIPMENT SCHEDULES

FINAL FIBER DISTRIBUTION / OVP BOX		FINAL CABLING SUMMARY		
MODEL NUMBER	STATUS	COAX	HYBRID	STATUS
(2) DB-B1-6C-12AB-0Z	RMN	–	(2) 6X12 1-5/8"	RMN

AMERICAN TOWER®

Dewberry®

Dewberry Engineers Inc.
99 SUMMER STREET
SUITE 700
BOSTON, MA 02110
PHONE: 617.531.0801
FAX: 617.695.3310

REV.	DESCRIPTION	BY	DATE
A	PRELIM	MR	06/02/21
0	FINAL	BR	07/13/21

ATC SITE NUMBER:
370641

ATC SITE NAME:
BEACON FALLS CT

VERIZON SITE NAME:
BEACON FALLS 2 CT

SITE ADDRESS:
401-411 LOPUS ROAD
BEACON FALLS, CT 06403-0000

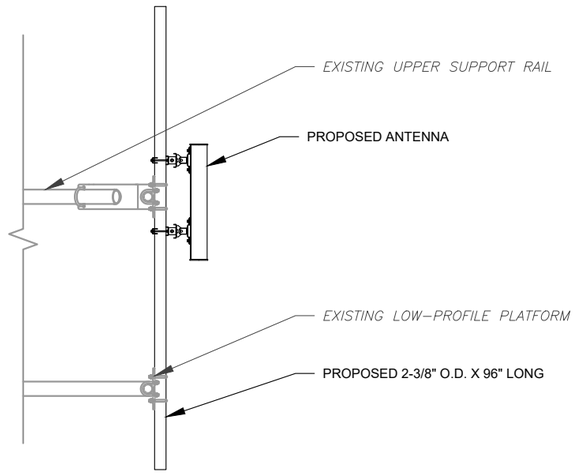
SEAL:

verizon

DATE DRAWN:	06/02/21
ATC JOB NO:	13668730_D1
CUSTOMER ID:	BEACON FALLS 2 CT
CUSTOMER #:	470974

ANTENNA INFORMATION & SCHEDULE

SHEET NUMBER:	REVISION:
C-401	0



1 PROPOSED 5G ANTENNA MOUNTING DETAIL - TYPICAL

SCALE: N.T.S.

AMERICAN TOWER®

Dewberry®
Dewberry Engineers Inc.
99 SUMMER STREET
SUITE 700
BOSTON, MA 02110
PHONE: 617.531.0801
FAX: 617.695.3310

REV.	DESCRIPTION	BY	DATE
A	PRELIM	MR	06/02/21
0	FINAL	BR	07/13/21

ATC SITE NUMBER:
370641

ATC SITE NAME:
BEACON FALLS CT

VERIZON SITE NAME:
BEACON FALLS 2 CT

SITE ADDRESS:
401-411 LOPUS ROAD
BEACON FALLS, CT 06403-0000

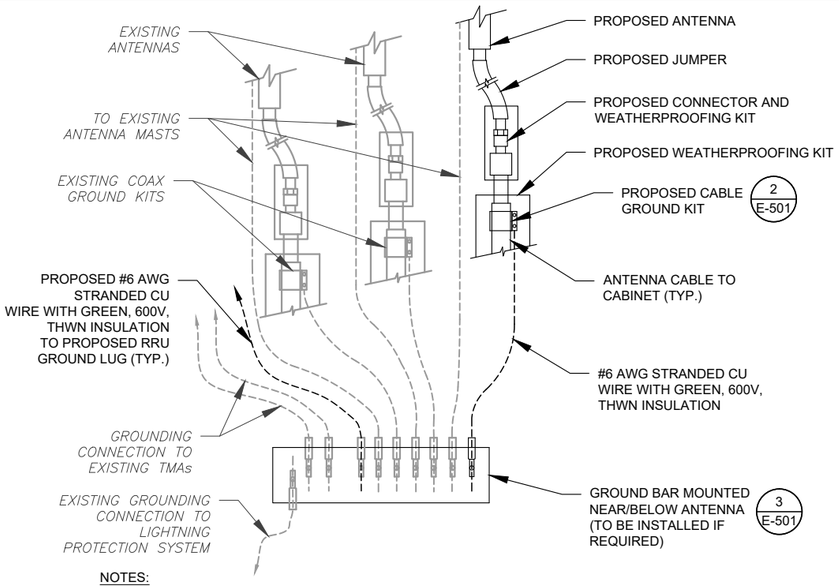
SEAL:

verizon

DATE DRAWN:	06/02/21
ATC JOB NO:	13668730_D1
CUSTOMER ID:	BEACON FALLS 2 CT
CUSTOMER #:	470974

CONSTRUCTION DETAILS

SHEET NUMBER:	REVISION:
C-501	0

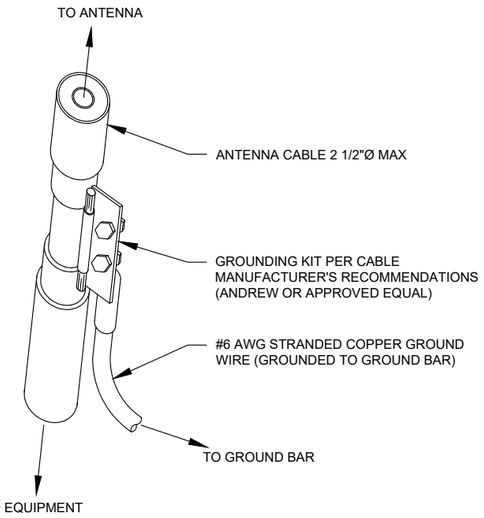


NOTES:

1. THIS DETAIL IS INTENDED TO SHOW THE GENERAL GROUNDING REQUIREMENTS. SLIGHT ADJUSTMENTS MAY BE REQUIRED BASED ON EXISTING SITE CONDITIONS. THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS AS NEEDED AND INFORM THE CONSTRUCTION MANAGER OF ANY CONFLICTS.
2. SITE GROUNDING SHALL COMPLY WITH 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.

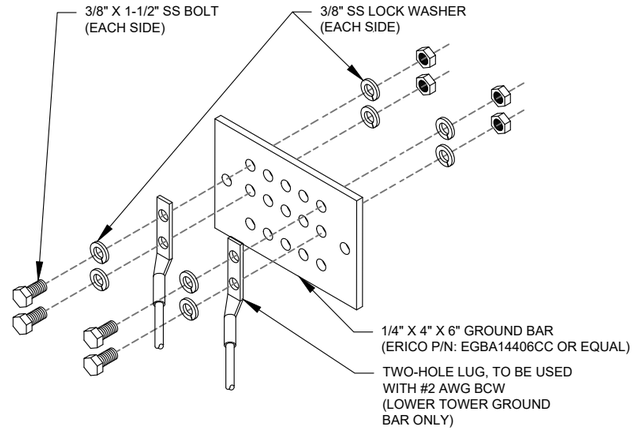


GROUND KIT NOTES:

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.

AMERICAN TOWER®

Dewberry®
Dewberry Engineers Inc.
99 SUMMER STREET
SUITE 700
BOSTON, MA 02110
PHONE: 617.531.0801
FAX: 617.695.3310

REV.	DESCRIPTION	BY	DATE
A	PRELIM	MR	06/02/21
0	FINAL	BR	07/13/21

ATC SITE NUMBER:
370641

ATC SITE NAME:
BEACON FALLS CT

VERIZON SITE NAME:
BEACON FALLS 2 CT

SITE ADDRESS:
401-411 LOPUS ROAD
BEACON FALLS, CT 06403-0000

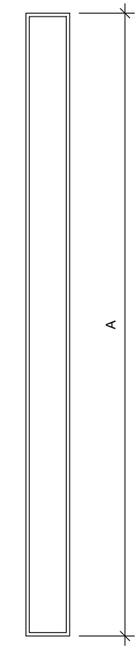
SEAL:

verizon

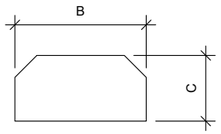
DATE DRAWN:	06/02/21
ATC JOB NO:	13668730_D1
CUSTOMER ID:	BEACON FALLS 2 CT
CUSTOMER #:	470974

GROUNDING DETAILS

SHEET NUMBER:	REVISION:
E-501	0



FRONT VIEW

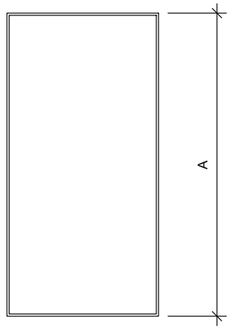


TOP VIEW

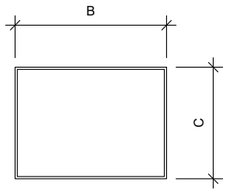
1 ANTENNA SPECIFICATIONS

FOR ILLUSTRATIVE PURPOSES ONLY - NOT TO SCALE

ANTENNA SPECIFICATIONS				
ANTENNA MODEL	A	B	C	WEIGHT (LBS)
MT6407-77A	35.1"	16.1"	5.5"	81.6



FRONT VIEW



TOP VIEW

2 RRU SPECIFICATIONS

FOR ILLUSTRATIVE PURPOSES ONLY - NOT TO SCALE

RRU SPECIFICATIONS				
RRU MODEL	A	B	C	WEIGHT (LBS)
MT6407-77A	35.1"	16.1"	5.5"	81.6

AMERICAN TOWER®

Dewberry®
Dewberry Engineers Inc.
99 SUMMER STREET
SUITE 700
BOSTON, MA 02110
PHONE: 617.531.0801
FAX: 617.695.3310

ATC SITE NUMBER:
370641

ATC SITE NAME:
BEACON FALLS CT

VERIZON SITE NAME:
BEACON FALLS 2 CT

SITE ADDRESS:
401-411 LOPUS ROAD
BEACON FALLS, CT 06403-0000

verizon

DATE DRAWN:	06/02/21
ATC JOB NO:	13668730_D1
CUSTOMER ID:	BEACON FALLS 2 CT
CUSTOMER #:	470974

SUPPLEMENTAL

SHEET NUMBER:
R-601

verizon

MASER CONSULTING CONNECTICUT

Maser Consulting Connecticut
2000 Midlantic Drive, Suite 100
Mt. Laurel, NJ 08054
(856) 797-0412
peter.albano@colliersengineering.com

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10072488
Maser Consulting Connecticut Project #: 21777520A

June 10, 2021

Site Information

Site ID:	*469421-VZW / BEACON FALLS CT*
Site Name:	*BEACON FALLS CT*
Carrier Name:	*Verizon Wireless*
Address:	*664 Rimmon Hill Rd* *Beacon Falls, Connecticut 06483* *New Haven County*
Latitude:	*41.407317°*
Longitude:	*-73.079275°*

Structure Information

Tower Type:	*Monopole*
Mount Type:	*12.83-Ft Platform*

FUZE ID # 16244575

Analysis Results

Platform: **67.3% 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

Report Prepared By: Prasanna Dhakal

STATE OF CONNECTICUT · DEJIAN XU · No. 33733 · LICENSED PROFESSIONAL ENGINEER · 06/11/2021

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	*21.3%*	*Pass*
Corner Plate	*67.3%*	*Pass*
Connection Plate	*13.9%*	*Pass*
Crossmember	*7.4%*	*Pass*
Face Horizontal	*54.5%*	*Pass*
Mount Pipe	*38.4%*	*Pass*
Mod Support Rail	*21.6%*	*Pass*
Mod Support Rail Corner	*29.5%*	*Pass*
Mod Kicker	*12.7%*	*Pass*
Mount Connection (Bolt)	*18.2%*	*Pass*
Mount Connection (Plate)	*20.3%*	*Pass*
Structure Rating – *(Controlling Utilization of all Components)*	**67.3%**	

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

1 MOUNT ANALYSIS

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

AMERICAN TOWER®

Dewberry®
Dewberry Engineers Inc.
99 SUMMER STREET
SUITE 700
BOSTON, MA 02110
PHONE: 617.531.0801
FAX: 617.695.3310

ATC SITE NUMBER:
370641

ATC SITE NAME:
BEACON FALLS CT

VERIZON SITE NAME:
BEACON FALLS 2 CT

SITE ADDRESS:
401-411 LOPUS ROAD
BEACON FALLS, CT 06403-0000

verizon

DATE DRAWN:	06/02/21
ATC JOB NO:	13668730_D1
CUSTOMER ID:	BEACON FALLS 2 CT
CUSTOMER #:	470974

SUPPLEMENTAL

SHEET NUMBER:
R-602

PROJECT NOTES

1. SEE MODIFICATION NOTES
2. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITY COMPANIES OR OTHER PUBLIC/GOVERNING AUTHORITIES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.
4. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE AS A RESULT OF CONSTRUCTION OF THIS FACILITY AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
6. THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
7. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING THE BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND CONSTRUCTION DRAWINGS.
8. THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THESE DRAWINGS MUST BE VERIFIED. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
9. SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE REQUIRED TO BE WORN TO ALERT OF ANY POTENTIALLY DANGEROUS EXPOSURE LEVELS.
10. NO NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS FACILITY AS TO CAUSE A NUISANCE.
11. THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION (NO HANDICAP ACCESS IS REQUIRED).

verizon

MOUNT MODIFICATION DRAWINGS
EXISTING 12.83' PLATFORM

SITE NAME: BEACON FALLS CT
SITE NUMBER: 469421

664 RIMMON HILL RD
BEACON FALLS, CT 06483
NEW HAVEN COUNTY

PROJECT INFORMATION

SITE INFORMATION

LATITUDE:	41.407317° N
LONGITUDE:	73.079275° W
JURISDICTION:	NEW HAVEN COUNTY

APPLICANT/LESSEE

COMPANY:	VERIZON WIRELESS

CLIENT REPRESENTATIVE

COMPANY:	VERIZON WIRELESS
ADDRESS:	118 FLANDERS ROAD, THIRD FLOOR
CITY, STATE, ZIP:	WESTBOROUGH, MA 01581
CONTACT:	ANDREW CANDIELLO
EMAIL:	ANDREW.CANDIELLO@VERIZONWIRELESS.COM

PROJECT MANAGER

COMPANY:	MASER CONSULTING
CONTACT:	PETER ALBANO
PHONE:	(856) 797-0412
E-MAIL:	PETER.ALBANO@COLLIERSENGINEERING.COM

SHEET INDEX

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION:	HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #:	10072488
VZW LOCATION CODE (PSLC):	469421
FUZE ID:	16244575

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

REFERENCED DOCUMENTS

FAILING MOUNT ANALYSIS REPORT

SMART TOOL PROJECT #:	10050547
MASER CONSULTING PROJECT #:	21777520A
ANALYSIS DATE:	5/20/2021

MASER CONSULTING CONNECTICUT
WILL BE KNOWN AS COLLIERS ENGINEERING & DESIGN IN 2021
Customer Loyalty *through* Client Satisfaction
www.maserconsulting.com
Office Locations:
- NEW JERSEY
- NEW YORK
- PENNSYLVANIA
- VIRGINIA
- FLORIDA
- NORTH CAROLINA
- SOUTH CAROLINA
- NEW MEXICO
- MARYLAND
- GEORGIA
- TEXAS
- TENNESSEE
- COLORADO

verizon

811 PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTHS SURFACE ANYWHERE IN ANY STATE
Know what's below. Call before you dig.
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE: AS SHOWN | JOB NUMBER: 21777520A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	6/11/2021	ISSUED FOR CONSTRUCTION	BPC	DX

STATE OF CONNECTICUT
DEJIAN XU
LICENSED PROFESSIONAL ENGINEER
LICENSE NO. 33733
MASER CONSULTING
LICENSED PROFESSIONAL ENGINEER
06/11/2021

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:
BEACON FALLS CT
469421
664 RIMMON HILL RD
BEACON FALLS, CT 06483
NEW HAVEN COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE: TITLE SHEET

SHEET NUMBER: T-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

BILL OF MATERIALS

VZWSMART KITS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
1	VZWSMART	VZWSMART-PLK1	SUPPORT RAIL KIT	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2
1		VZWSMART-PLK5	KICKER KIT	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2
1		VZWSMART-PLK7	MONOPOLE COLLAR MOUNT ASSEMBLY	
3		VZWSMART-MSK1	CROSSOVER PLATE	

OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
3	-	-	96" LONG, P2.5 STD	GALVANIZED
3	-	-	1/2" DIA. U-BOLT	
1	-	-	36" LONG, P2.0 STD	GALVANIZED
1	SITE PRO 1	SQCX4-K	CROSSOVER PLATE KIT W/ SQUARE U-BOLTS AND STD. U-BOLTS	OR EOR APPROVED EQUAL, CONTACT MASER CONSULTING FOR APPROVAL OF SUBSTITUTION

NOTE: ALL MATERIALS REQUIRED FOR THE DESIGNED MODIFICATIONS BUT NOT LISTED IN THIS SHEET ARE ASSUMED TO BE PROVIDED BY THE CONTRACTOR

VZWSMART KITS - APPROVED VENDORS

COMMSCOPE

CONTACT	SALVADOR ANGUIANO
PHONE	(817) 304-7492
EMAIL	SALVADOR.ANGUIANO@COMMSCOPE.COM
WEBSITE	WWW.COMMSCOPE.COM

METROSITE FABRICATORS, LLC

CONTACT	KENT RAMEY
PHONE	(706) 335-7045 (O), (706) 982-9788 (M)
EMAIL	KENT@METROSITELLC.COM
WEBSITE	METROSITEFABRICATORS.COM

PERFECTVISION

CONTACT	WIRELESS SALES
PHONE	(844) 887-6723
EMAIL	WWW.PERFECT-VISION.COM
WEBSITE	WIRELESSSALES@PERFECT-VISION.COM

SABRE INDUSTRIES, INC.

CONTACT	ANGIE WELCH
PHONE	(866) 428-6937
EMAIL	AKWELCH@SABREINDUSTRIES.COM
WEBSITE	WWW.SABRESITESOLUTIONS.COM

SITE PRO 1

CONTACT	PAULA BOSWELL
PHONE	(972) 236-9843
EMAIL	PAULA.BOSWELL@VALMONT.COM
WEBSITE	WWW.SITEPRO1.COM

NOTE: WHEN SPECIFIED, VZWSMART KITS SHALL BE REQUIRED AND WILL BE VERIFIED DURING THE DESKTOP PMI

MASER CONSULTING CONNECTICUT
WILL BE KNOWN AS COLLIERS ENGINEERING & DESIGN IN 2021
Customer Loyalty *through* Client Satisfaction
www.maserconsulting.com
Office Locations:
- NEW JERSEY
- NEW YORK
- PENNSYLVANIA
- VIRGINIA
- FLORIDA
- NORTH CAROLINA
- SOUTH CAROLINA
- NEW MEXICO
- MARYLAND
- GEORGIA
- TEXAS
- TENNESSEE
- COLORADO

verizon

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

PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE

FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE : AS SHOWN | JOB NUMBER : 21777520A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	6/11/2021	ISSUED FOR CONSTRUCTION	BPC	DX

STATE OF CONNECTICUT
DEJIAN XU
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NO. 33733
MASER CONSULTING
LICENSED PROFESSIONAL ENGINEER
06/11/2021

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:

BEACON FALLS CT
469421

664 RIMMON HILL RD
BEACON FALLS, CT 06483
NEW HAVEN COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE : BILL OF MATERIALS

SHEET NUMBER : S-1

GENERAL NOTES

1. THESE MODIFICATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE TELECOMMUNICATIONS INDUSTRY STANDARD TIA-222-H. MATERIALS AND SERVICES PROVIDED BY THE CONTRACTOR SHALL CONFORM TO THE ABOVE MENTIONED CODES.
2. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT DAMAGE TO EXISTING STRUCTURES. ANY DAMAGE TO EXISTING STRUCTURES AS A RESULT OF THE CONTRACTOR'S WORK OR FROM DAMAGE DUE TO OTHER CAUSES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE BEGINNING WORK, ORDERING MATERIAL, AND PREPARING OF SHOP DRAWINGS. ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER. IF THE CONTRACTOR DISCOVERS ANY EXISTING CONDITIONS THAT ARE NOT REPRESENTED ON THESE DRAWINGS, OR ANY CONDITIONS THAT WOULD INTERFERE WITH THE INSTALLATION OF THE MODIFICATIONS, NOTIFY THE ENGINEER IMMEDIATELY.
4. IT IS ASSUMED THAT ANY STRUCTURAL MODIFICATION WORK SPECIFIED ON THESE PLANS WILL BE ACCOMPLISHED BY KNOWLEDGEABLE WORKMEN WITH TOWER CONSTRUCTION EXPERIENCE.
5. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS, MEANS, TECHNIQUES, SEQUENCES, AND PROCEDURES.
6. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN AND SHALL MEET ANSI/TIA-322 (LATEST EDITION), OSHA, AND GENERAL INDUSTRY STANDARDS. ALL RIGGING PLANS SHALL ADHERE TO ANSI/TIA-322 (LATEST EDITION) INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION.
7. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PROGRAMS IN ACCORDANCE WITH APPLICABLE SAFETY CODES.
8. WORK SHALL ONLY BE PERFORMED DURING CALM DRY DAYS (WINDS LESS THAN 30-MPH). THE STRUCTURE SHOWN ON THE DRAWINGS IS STRUCTURALLY SOUND ONLY IN THE COMPLETED FORM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STRENGTH AND STABILITY OF THE STRUCTURE DURING ERECTION. CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT, SHORING, BRACING AND ANY OTHER STRUCTURAL SYSTEMS AS REQUIRED TO RESIST ALL FORCES THAT MAY OCCUR DURING HANDLING AND ERECTION UNTIL THE STRUCTURE IS FULLY COMPLETED. TEMPORARY SUPPORTS, BRACING AND OTHER STRUCTURAL SYSTEMS REQUIRED DURING CONSTRUCTION SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER THEIR USE.
9. ALL INSTALLATIONS PERFORMED ON THIS STRUCTURE SHALL BE COMPLETED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE STANDARD FOR INSTALLATION, ALTERATION AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS, ANSI/TIA-322.
10. CONTRACTOR SHALL SECURE SITE BACK TO EXISTING CONDITION UNDER SUPERVISION OF OWNER. ALL FENCE, STONE, GEOFABRIC, GROUNDING, AND SURROUNDING GRADE SHALL BE REPLACED AND REPAIRED AS REQUIRED TO ACHIEVE OWNER APPROVAL. POSITIVE DRAINAGE AWAY FROM TOWER SITE SHALL BE MAINTAINED.
11. CONNECTIONS BETWEEN ITEMS SUPPORTED BY THE STRUCTURE AND THE STRUCTURE NOT SPECIFICALLY DETAILED IN THE CONTRACT DOCUMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR. SUCH CONNECTIONS SHALL BE DESIGNED, COORDINATED AND INSPECTED BY A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE OF THE PROJECT. SUBMIT SIGNED AND SEALED CALCULATIONS DURING SHOP DRAWING REVIEW.
12. DO NOT SCALE DRAWINGS.
13. DO NOT USE THESE DRAWINGS FOR ANY OTHER SITE.
14. ALL MATERIAL UTILIZED FOR THIS PROJECT MUST BE NEW AND FREE OF ANY DEFECTS. ANY MATERIAL SUBSTITUTIONS, INCLUDING BUT NOT LIMITED TO ALTERED SIZE AND/OR STRENGTHS, MUST BE APPROVED BY THE OWNER AND ENGINEER IN WRITING.
15. THE MOUNT UNDER NO CIRCUMSTANCES SHOULD BE USED AS A TIE OFF POINT.

DESIGN LOADS

WIND LOADS

a. BASIC WIND SPEED (3 SECOND GUST), V = 118 MPH
b. EXPOSURE CATEGORY C
c. TOPOGRAPHIC CATEGORY 1
d. MEAN BASE ELEVATION (AMSL) = 420.4'

ICE LOADS

a. ICE WIND SPEED (3 SECOND GUST), V = 50 MPH
b. ICE THICKNESS = 1.00 IN

SEISMIC LOADS

a. SEISMIC DESIGN CATEGORY B
b. SHORT TERM MCER GROUND MOTION, S_S = .200
c. LONG TERM MCER GROUND MOTION, S_1 = .054

STRUCTURAL STEEL

1. DESIGN, DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING PUBLICATIONS EXCEPT AS SPECIFICALLY INDICATED IN THE CONTRACT DOCUMENTS.
   a. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION (15TH EDITION)
   b. SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS
   c. AISC CODE OF STANDARD PRACTICE
2. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE SHOWN:

CHANNELS, ANGLES, PLATES, ETC.	ASTM A36 (GR 36)
STEEL PIPE	ASTM A53 (GR 35)
BOLTS	ASTM A325
NUTS	ASTM A563
LOCK WASHERS	LOCKING STRUCTURAL GRADE

3. ALL SUBSTITUTIONS PROPOSED BY THE CONTRACTOR SHALL BE APPROVED IN WRITING BY THE ENGINEER. CONTRACTOR SHALL PROVIDE DOCUMENTATION TO ENGINEER FOR VERIFYING THE SUBSTITUTE IS SUITABLE FOR USE AND MEETS ORIGINAL DESIGN CRITERIA. DIFFERENCES FROM THE ORIGINAL DESIGN, INCLUDING MAINTENANCE, REPAIR AND REPLACEMENT, SHALL BE NOTED. ESTIMATES OF COSTS/CREDITS ASSOCIATED WITH THE SUBSTITUTION (INCLUDING RE-DESIGN COSTS AND COSTS TO SUB-CONTRACTORS) SHALL BE PROVIDED TO THE ENGINEER. CONTRACTOR SHALL PROVIDE ADDITIONAL DOCUMENTATION AND/OR SPECIFICATIONS TO THE ENGINEER AS REQUESTED.
4. PROVIDE STRUCTURAL STEEL SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
   a. SUBMIT SHOP DRAWINGS TO PETER.ALBANO@COLLIERSENGINEERING.COM
   b. PROVIDE MASER CONSULTING PROJECT # AND MASER CONSULTING PROJECT ENGINEER CONTACT IN THE BODY OF THE EMAIL.
5. DRILL NO HOLES IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBERS OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
6. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
7. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING STEEL. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
8. ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES TO BE INSTALLED IN ACCORDANCE WITH TIA-222-H SECTION 4.9.2 REQUIREMENTS.
9. WHERE CONNECTIONS ARE NOT FULLY DETAILED ON THESE DRAWINGS, FABRICATOR SHALL DESIGN CONNECTIONS TO RESIST LOADS AND FORCES WHERE SHOWN ON DRAWINGS AND AS OUTLINED IN SPECIFICATIONS.
10. FOR MEMBERS BEING REPLACED, PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GRADE. MAINTAIN AISC REQUIREMENTS FOR MINIMUM BOLT DISTANCE AND SPACING.
11. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT IS AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.
12. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
13. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
14. ALL EXISTING PAINTED/GALVANIZED SURFACES DAMAGED DURING REHAB INCLUDING AREAS UNDER STIFFENER PLATES SHALL BE WIRE BRUSHED CLEAN, REPAIRED BY COLD GALVANIZING (ZINGA OR ZINC COTE), AND REPAINTED TO MATCH THE EXISTING FINISH (IF APPLICABLE).
15. ALL HOLES IN STEEL MEMBERS SHALL BE SIZED 1/16" LARGER THAN THE BOLT DIAMETER. STANDARD HOLES SHALL BE USED UNLESS NOTED OTHERWISE.

MASER CONSULTING CONNECTICUT
WILL BE KNOWN AS COLLIERS ENGINEERING & DESIGN IN 2021
Customer Loyalty *through* Client Satisfaction
www.maserconsulting.com
Office Locations:
- NEW JERSEY
- NEW YORK
- PENNSYLVANIA
- VIRGINIA
- FLORIDA
- NORTH CAROLINA
- SOUTH CAROLINA
- NEW MEXICO
- MARYLAND
- GEORGIA
- TEXAS
- TENNESSEE
- COLORADO

verizon

811 PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE
Know what's below. Call before you dig.
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE: AS SHOWN | JOB NUMBER: 21777520A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	6/11/2021	ISSUED FOR CONSTRUCTION	BPC	DX

STATE OF CONNECTICUT
DEJIAN XU
LICENSED PROFESSIONAL ENGINEER
LICENSE NO. 33733
MASER CONSULTING
LICENSED PROFESSIONAL ENGINEER
06/11/2021

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:
BEACON FALLS CT
469421
664 RIMMON HILL RD
BEACON FALLS, CT 06483
NEW HAVEN COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE: MODIFICATION NOTES

SHEET NUMBER: S-2

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

MODIFICATION INSPECTION NOTES

MI CHECKLIST

CONSTRUCTION/ INSTALLATION INSPECTIONS AND TESTING REQUIRED (COMPLETED BY EOR)	REPORT ITEM
PRE-CONSTRUCTION	
X	MI CHECKLIST DRAWING
X	EOR APPROVED SHOP DRAWINGS
NA	FABRICATION INSPECTION
NA	FABRICATOR CERTIFIED WELD INSPECTION
X	MATERIAL TEST REPORT (MTR)
NA	FABRICATOR NDE INSPECTION
X	PACKING SLIPS
ADDITIONAL TESTING AND INSPECTIONS:	
CONSTRUCTION	
X	CONSTRUCTION INSPECTIONS
NA	CONTRACTOR'S CERTIFIED WELD INSPECTION AND NDE REPORTS
X	ON SITE COLD GALVANIZING VERIFICATION
X	GC AS-BUILT DOCUMENTS
ADDITIONAL TESTING AND INSPECTIONS:	
POST-CONSTRUCTION	
X	MI INSPECTOR REDLINE OR RECORD DRAWING(S)
X	VZW PMI DOCUMENTS
X	PHOTOGRAPHS
ADDITIONAL TESTING AND INSPECTIONS:	

NOTE: X DENOTES A DOCUMENT REQUIRED FOR THE MI REPORT
NA DENOTES A DOCUMENT THAT IS NOT REQUIRED FOR THE MI REPORT

THE MODIFICATION INSPECTION (MI) IS A VISUAL INSPECTION OF MODIFICATIONS AND A REVIEW OF CONSTRUCTION INSPECTIONS AND OTHER REPORTS TO ENSURE THE INSTALLATION WAS CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, NAMELY THE MODIFICATION DRAWINGS, AS DESIGNED BY THE ENGINEER OF RECORD (EOR).

THE MI IS TO CONFIRM INSTALLATION CONFIGURATION AND WORKMANSHIP ONLY AND IS NOT A REVIEW OF THE MODIFICATION DESIGN ITSELF, NOR DOES THE MI INSPECTOR TAKE OWNERSHIP OF THE MODIFICATION DESIGN. OWNERSHIP OF THE STRUCTURAL MODIFICATION DESIGN EFFECTIVENESS AND INTEGRITY RESIDES WITH THE EOR AT ALL TIMES.

TO ENSURE THAT THE REQUIREMENTS OF THE MI ARE MET, IT IS VITAL THAT THE GENERAL CONTRACTOR (GC) AND THE MI INSPECTOR BEGIN COMMUNICATING AND COORDINATING AS SOON AS A PURCHASE ORDER (PO) IS RECEIVED. IT IS EXPECTED THAT EACH PARTY WILL BE PROACTIVE IN REACHING OUT TO THE OTHER PARTY.

MI INSPECTOR

THE MI INSPECTOR IS REQUIRED TO CONTACT THE GC AS SOON AS RECEIVING A PO FOR THE MI TO, AT A MINIMUM:

- REVIEW THE REQUIREMENTS OF THE MI CHECKLIST
- WORK WITH THE GC TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE INSPECTIONS

THE MI INSPECTOR IS RESPONSIBLE FOR COLLECTING ALL GC INSPECTION AND TEST REPORTS, REVIEWING THE DOCUMENTS FOR ADHERENCE TO THE CONTRACT DOCUMENTS, CONDUCTING THE IN-FIELD INSPECTIONS, AND SUBMITTING THE MI REPORT TO EOR.

GENERAL CONTRACTOR

THE GC IS REQUIRED TO CONTACT THE MI INSPECTOR AS SOON AS RECEIVING A PO FOR THE MODIFICATION INSTALLATION OR TURNKEY PROJECT TO, AT A MINIMUM:

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

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

RECOMMENDATIONS

THE FOLLOWING RECOMMENDATIONS AND SUGGESTIONS ARE OFFERED TO ENHANCE THE EFFICIENCY AND EFFECTIVENESS OF DELIVERING AN MI REPORT:

- IT IS SUGGESTED THAT THE GC PROVIDE A MINIMUM OF 5 BUSINESS DAYS NOTICE, PREFERABLY 10, TO THE MI INSPECTOR AS TO WHEN THE SITE WILL BE READY FOR THE MI TO BE CONDUCTED.
- THE GC AND MI INSPECTOR COORDINATE CLOSELY THROUGHOUT THE ENTIRE PROJECT.
- WHEN POSSIBLE, IT IS PREFERRED TO HAVE THE GC AND MI INSPECTOR ON-SITE SIMULTANEOUSLY FOR ANY GUY WIRE TENSIONING OR RE-TENSIONING OPERATIONS.
- IT MAY BE BENEFICIAL TO INSTALL ALL MODIFICATIONS PRIOR TO CONDUCTING THE FOUNDATION INSPECTIONS TO ALLOW THE FOUNDATION AND MI INSPECTION(S) TO COMMENCE WITH ONE SITE VISIT.
- WHEN POSSIBLE, IT IS PREFERRED TO HAVE THE GC AND MI INSPECTOR ON-SITE DURING THE MI TO HAVE ANY DEFICIENCIES CORRECTED DURING THE INITIAL MI. THEREFORE, THE GC MAY CHOOSE TO COORDINATE THE MI CAREFULLY TO ENSURE ALL CONSTRUCTION FACILITIES ARE AT THEIR DISPOSAL WHEN THE MI INSPECTOR IS ON SITE.

CORRECTION OF FAILING MI'S

IF THE MODIFICATION INSTALLATION WOULD FAIL THE MI ("FAILED MI"), THE GC SHALL WORK WITH THE OWNER TO COORDINATE A REMEDIATION PLAN:

- CORRECT FAILING ISSUES TO COMPLY WITH THE SPECIFICATIONS CONTAINED IN THE ORIGINAL CONTRACT DOCUMENTS AND COORDINATE A SUPPLEMENT MI.

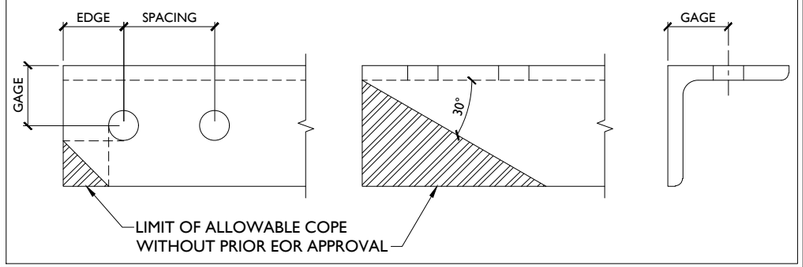
REQUIRED PHOTOS

BETWEEN THE GC AND THE MI INSPECTOR THE FOLLOWING PHOTOGRAPHS, AT A MINIMUM, ARE TO BE TAKEN AND INCLUDED IN THE MI REPORT:

- PRE-CONSTRUCTION GENERAL SITE CONDITION
- PHOTOGRAPHS DURING THE REINFORCEMENT MODIFICATION CONSTRUCTION/ERECTION AND INSPECTION
  - RAW MATERIALS
  - PHOTOS OF ALL CRITICAL DETAILS
  - FOUNDATION MODIFICATIONS
  - WELD PREPARATION
  - BOLT INSTALLATION
  - FINAL INSTALLED CONDITION
  - SURFACE COATING REPAIR
- POST CONSTRUCTION PHOTOGRAPHS
  - FINAL INFIELD CONDITION

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

ALLOWABLE COPING

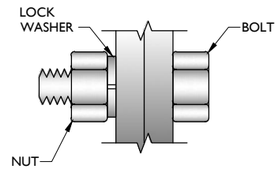


BOLT SCHEDULE (IN.)

BOLT DIAMETER	STANDARD HOLE	SHORT SLOT	MIN. EDGE DISTANCE	SPACING
1/2	9/16	9/16 x 11/16	7/8	1 1/2
5/8	11/16	11/16 x 7/8	1 1/8	1 7/8
3/4	13/16	13/16 x 1	1 1/4	2 1/4
7/8	15/16	15/16 x 1 1/8	1 1/2	2 5/8
1	1 1/16	1 1/16 x 1 5/16	1 3/4	3

WORKABLE GAGES (IN.)

LEG	GAGE
4	2 1/2
3 1/2	2
3	1 3/4
2 1/2	1 3/8
2	1 1/8



TYP. BOLT ASSEMBLY

NOTES:

1. ALL DIMENSIONS REPRESENTED IN THE ABOVE TABLES ARE AISC MINIMUM REQUIREMENTS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ENGINEER IF DISTANCES ARE LESS THAN THOSE PROVIDED.
2. THE DIMENSIONS PROVIDED ARE MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS OF PROPOSED MEMBERS WITHIN THESE DRAWINGS MAY VARY FROM THE AISC MINIMUM REQUIREMENTS.
3. SHORT SLOT HOLES SHALL ONLY BE USED WHEN DEPICTED IN THE DRAWINGS
4. MATCH EXISTING GAGES WHEN APPLICABLE, UNLESS MINIMUM EDGE DISTANCES ARE COMPROMISED.

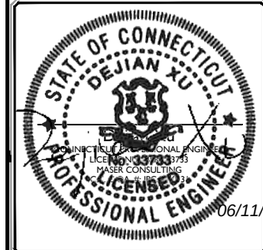
MASER CONSULTING CONNECTICUT
WILL BE KNOWN AS COLLIERS ENGINEERING & DESIGN IN 2021
Customer Loyalty *through* Client Satisfaction
www.maserconsulting.com
Office Locations:
NEW JERSEY, NEW YORK, PENNSYLVANIA, VIRGINIA, FLORIDA, NORTH CAROLINA, SOUTH CAROLINA, NEW MEXICO, MARYLAND, GEORGIA, TEXAS, TENNESSEE, COLORADO

verizon

811 Know what's below. Call before you dig.
PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTHS SURFACE ANYWHERE IN ANY STATE
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE: AS SHOWN | JOB NUMBER: 21777520A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	6/11/2021	ISSUED FOR CONSTRUCTION	BPC	DX



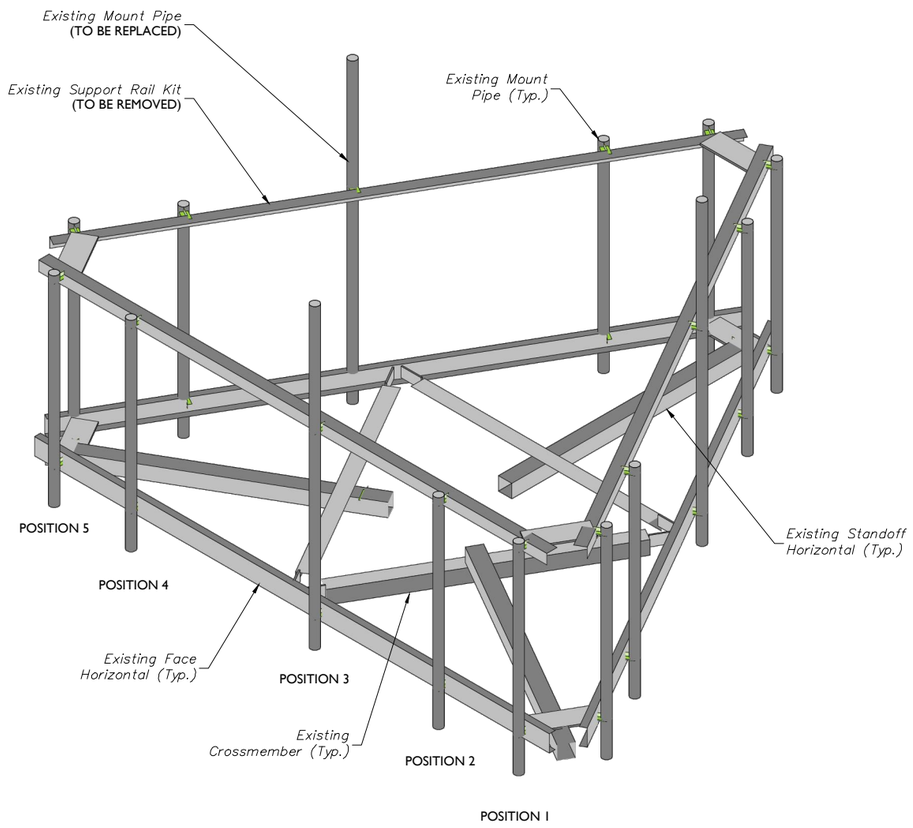
SITE NAME:

BEACON FALLS CT
469421
664 RIMMON HILL RD
BEACON FALLS, CT 06483
NEW HAVEN COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

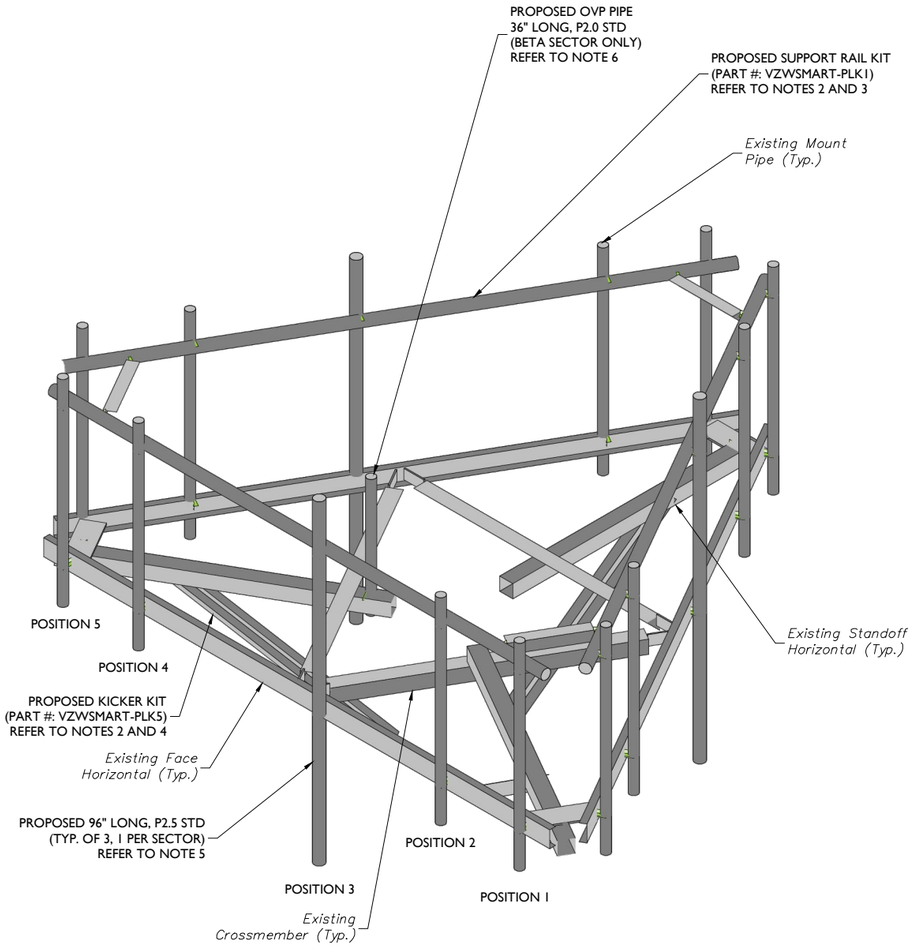
SHEET TITLE: MODIFICATION NOTES

SHEET NUMBER: S-3



1 EXISTING PLATFORM ISOMETRIC VIEW

SCALE : N.T.S.



2 PROPOSED PLATFORM ISOMETRIC VIEW

SCALE : N.T.S.

STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY FDH INFRASTRUCTURE SERVICES ON 4/13/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (147'-0") ARE IN GOOD CONDITION. MASER DOES NOT WARRANT THIS INFORMATION.
2. INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES.

MODIFICATION NOTES:

1. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
2. CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2.
3. 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.
4. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7).
5. CONNECT PROPOSED MOUNT PIPE TO FACE HORIZONTAL USING (1) 1/2" U-BOLT AND CONNECT TO THE SUPPORT RAIL WITH MSK1 CROSSOVER PLATE. CONTRACTOR TO DRILL HOLE ON FACE HORIZONTAL AS NECESSARY.
6. CONNECT NEW OVP PIPE TO EXISTING STANDOFF HORIZONTAL WITH CROSSOVER PLATES (SITE PRO 1 PART#: SQCX4-K, OR EOR APPROVED EQUAL, CONTACT MASER CONSULTING FOR APPROVAL OF SUBSTITUTION)

MASER CONSULTING CONNECTICUT
WILL BE KNOWN AS COLLIERS ENGINEERING & DESIGN IN 2021
Customer Loyalty *through* Client Satisfaction
www.maserconsulting.com
Office Locations:
- NEW JERSEY
- NEW YORK
- PENNSYLVANIA
- VIRGINIA
- FLORIDA
- NORTH CAROLINA
- SOUTH CAROLINA
- NEW MEXICO
- MARYLAND
- GEORGIA
- TEXAS
- TENNESSEE
- COLORADO

verizon

811 PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE
Know what's below. Call before you dig.
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE : AS SHOWN
JOB NUMBER : 21777520A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	6/11/2021	ISSUED FOR CONSTRUCTION	BPC	DX

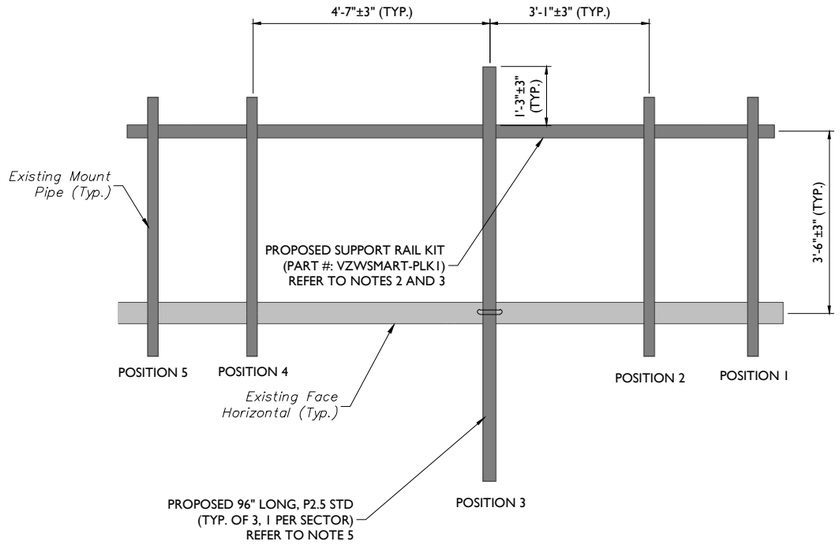
STATE OF CONNECTICUT
DEJIAN XU
LICENSED PROFESSIONAL ENGINEER
LIC. NO. 33733
MASER CONSULTING
06/11/2021

SITE NAME:
BEACON FALLS CT
469421
664 RIMMON HILL RD
BEACON FALLS, CT 06483
NEW HAVEN COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

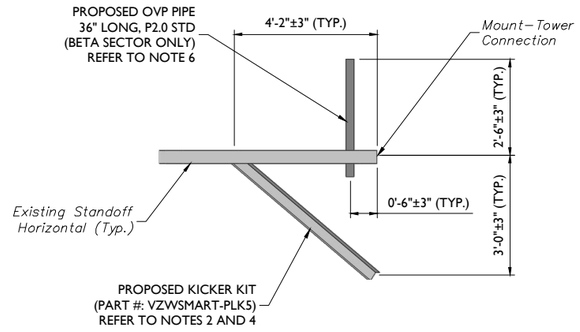
SHEET TITLE : MODIFICATION DETAILS

SHEET NUMBER : S-4



1 PROPOSED FRONT ELEVATION (TYP. ALL SECTORS)

SCALE : N.T.S.



2 PROPOSED SIDE ELEVATION (TYP. ALL SECTORS)

SCALE : N.T.S.

MODIFICATION NOTES:

1. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
2. CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2.
3. 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.
4. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7).
5. CONNECT PROPOSED MOUNT PIPE TO FACE HORIZONTAL USING (1) 1/2" U-BOLT AND CONNECT TO THE SUPPORT RAIL WITH MSK1 CROSSOVER PLATE. CONTRACTOR TO DRILL HOLE ON FACE HORIZONTAL AS NECESSARY.
6. CONNECT NEW OVP PIPE TO EXISTING STANDOFF HORIZONTAL WITH CROSSOVER PLATES (SITE PRO 1 PART#: SQCX4-K, OR EOR APPROVED EQUAL, CONTACT MASER CONSULTING FOR APPROVAL OF SUBSTITUTION)

MASER CONSULTING CONNECTICUT
WILL BE KNOWN AS COLLIERS ENGINEERING & DESIGN IN 2021
Customer Loyalty *through* Client Satisfaction
www.maserconsulting.com
Office Locations:
- NEW JERSEY
- NEW YORK
- PENNSYLVANIA
- VIRGINIA
- FLORIDA
- NORTH CAROLINA
- SOUTH CAROLINA
- NEW MEXICO
- MARYLAND
- GEORGIA
- TEXAS
- TENNESSEE
- COLORADO

verizon

811 PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE
Know what's below. Call before you dig.
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE : AS SHOWN
JOB NUMBER : 21777520A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	6/11/2021	ISSUED FOR CONSTRUCTION	BPC	DX

STATE OF CONNECTICUT
DEJIAN XU
CONNECTICUT LICENSED PROFESSIONAL ENGINEER
LICENSE NO. 33733
MASER CONSULTING
LICENSED PROFESSIONAL ENGINEER
06/11/2021

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:

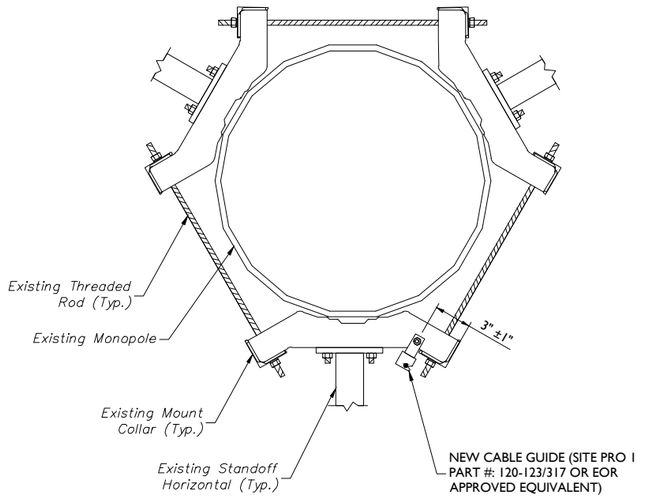
BEACON FALLS CT
469421

664 RIMMON HILL RD
BEACON FALLS, CT 06483
NEW HAVEN COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

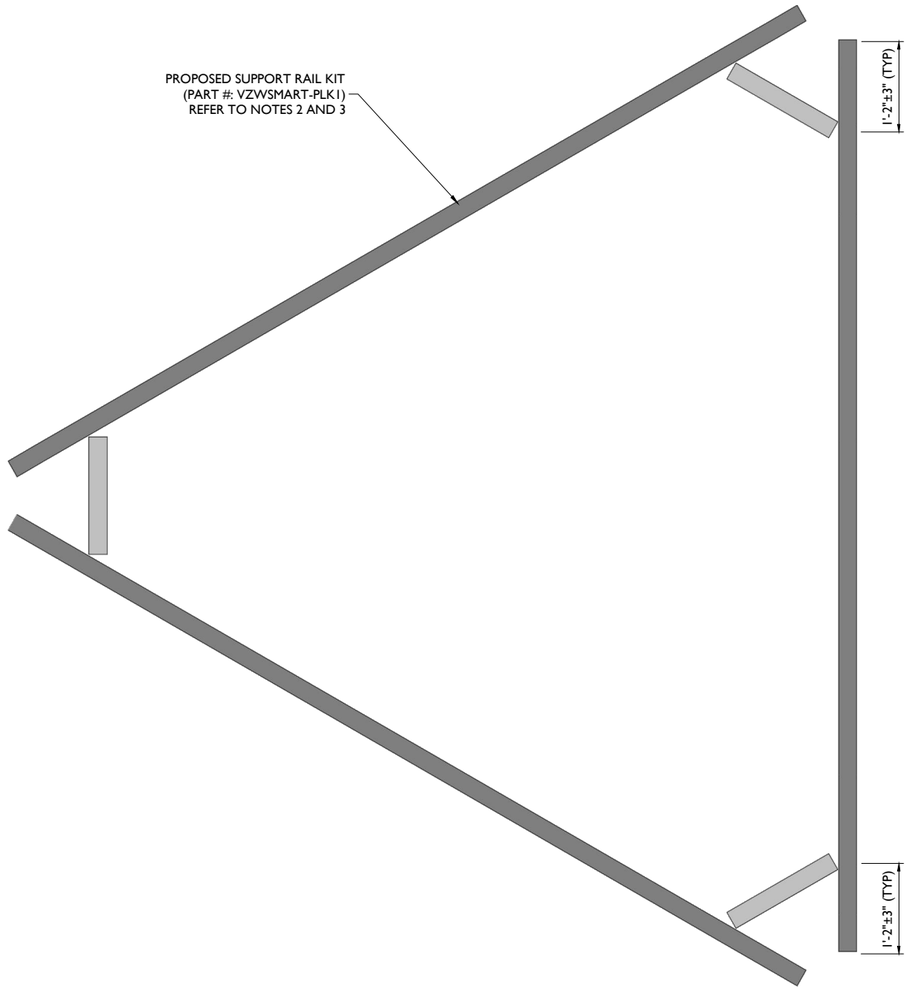
SHEET TITLE : MODIFICATION DETAILS

SHEET NUMBER : S-5



1 PROPOSED COLLAR ATTACHMENT SAFETY CLIMB - PLAN VIEW

SCALE : N.T.S.



2 PROPOSED FRAME VIEW

SCALE : N.T.S.

MODIFICATION NOTES:

1. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
2. CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2.
3. 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.
4. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7).
5. CONNECT PROPOSED MOUNT PIPE TO FACE HORIZONTAL USING (1) 1/2" U-BOLT AND CONNECT TO THE SUPPORT RAIL WITH MSK1 CROSSOVER PLATE. CONTRACTOR TO DRILL HOLE ON FACE HORIZONTAL AS NECESSARY.
6. CONNECT NEW OVP PIPE TO EXISTING STANDOFF HORIZONTAL WITH CROSSOVER PLATES (SITE PRO 1 PART#: SQCX4-K, OR EOR APPROVED EQUAL, CONTACT MASER CONSULTING FOR APPROVAL OF SUBSTITUTION)

MASER CONSULTING CONNECTICUT
WILL BE KNOWN AS COLLIERS ENGINEERING & DESIGN IN 2021
Customer Loyalty *through* Client Satisfaction
www.maserconsulting.com
Office Locations:
- NEW JERSEY
- NEW YORK
- PENNSYLVANIA
- VIRGINIA
- FLORIDA
- NORTH CAROLINA
- SOUTH CAROLINA
- NEW MEXICO
- MARYLAND
- GEORGIA
- TEXAS
- TENNESSEE
- COLORADO

verizon

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

PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTHS SURFACE ANYWHERE IN ANY STATE

FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE : AS SHOWN | JOB NUMBER : 21777520A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	6/11/2021	ISSUED FOR CONSTRUCTION	BPC	DX

STATE OF CONNECTICUT
DEJIAN XU
LICENSED PROFESSIONAL ENGINEER
LICENSE NO. 33733
MASER CONSULTING
LICENSED PROFESSIONAL ENGINEER
06/11/2021

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:

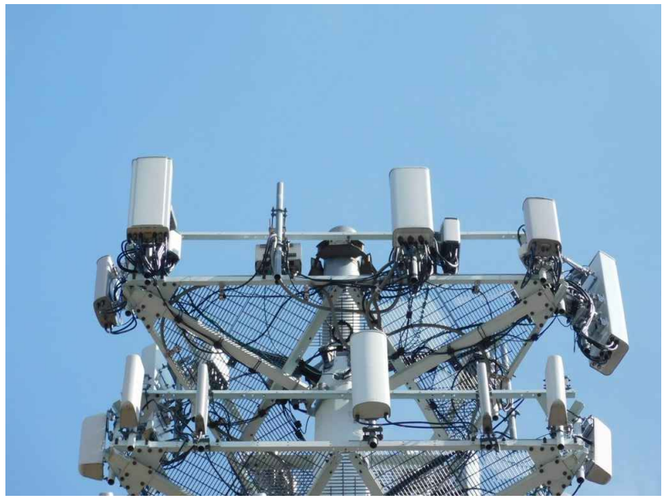
BEACON FALLS CT
469421

664 RIMMON HILL RD
BEACON FALLS, CT 06483
NEW HAVEN COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE : MODIFICATION DETAILS

SHEET NUMBER : S-6



MOUNT PHOTO 1

MOUNT PHOTO 2

MOUNT PHOTO 3

MOUNT PHOTO 4

MASER CONSULTING CONNECTICUT
WILL BE KNOWN AS COLLIERS ENGINEERING & DESIGN IN 2021
Customer Loyalty *through* Client Satisfaction
www.maserconsulting.com
Office Locations:
- NEW JERSEY
- NEW YORK
- PENNSYLVANIA
- VIRGINIA
- FLORIDA
- NORTH CAROLINA
- SOUTH CAROLINA
- NEW MEXICO
- MARYLAND
- GEORGIA
- TEXAS
- TENNESSEE
- COLORADO

verizon

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

PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE

FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE : AS SHOWN

JOB NUMBER : 21777520A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	6/11/2021	ISSUED FOR CONSTRUCTION	BPC	DX

STATE OF CONNECTICUT
DEJIAN XU
LICENSED PROFESSIONAL ENGINEER
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NO. 33733
MASER CONSULTING
06/11/2021

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:

BEACON FALLS CT
469421

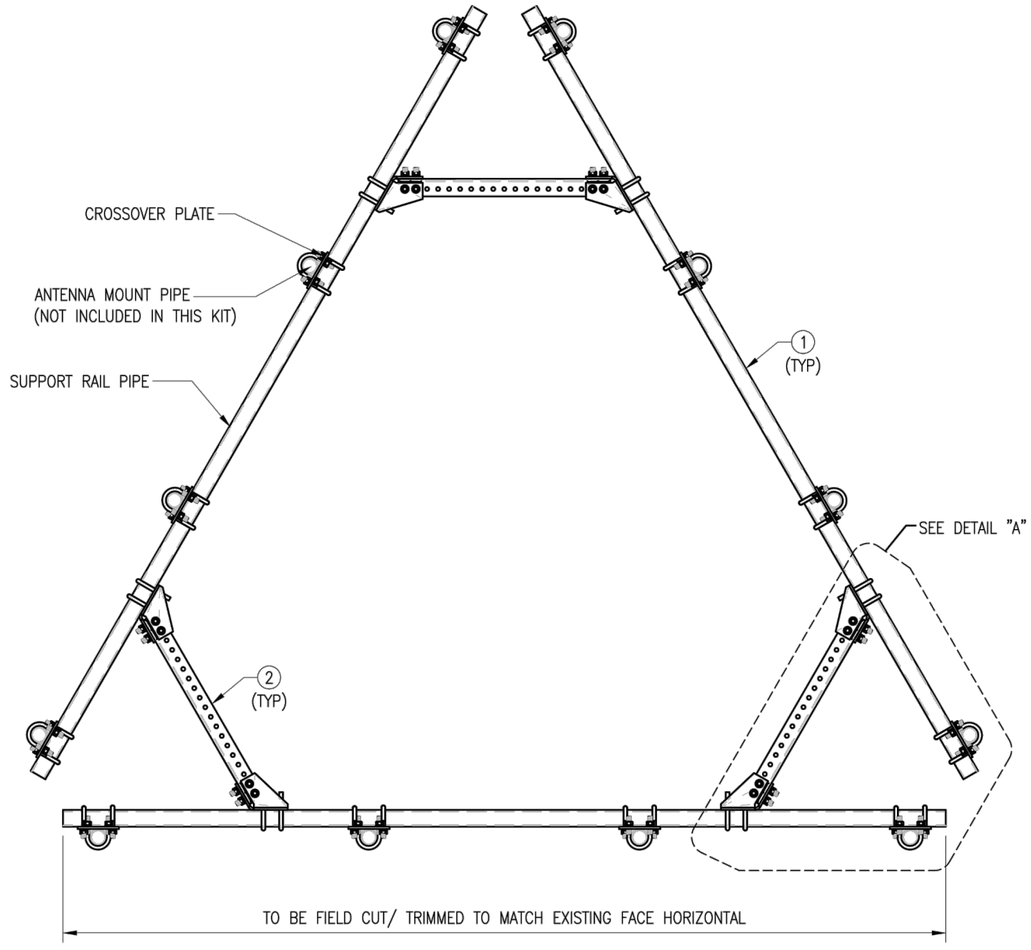
664 RIMMON HILL RD
BEACON FALLS, CT 06483
NEW HAVEN COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054

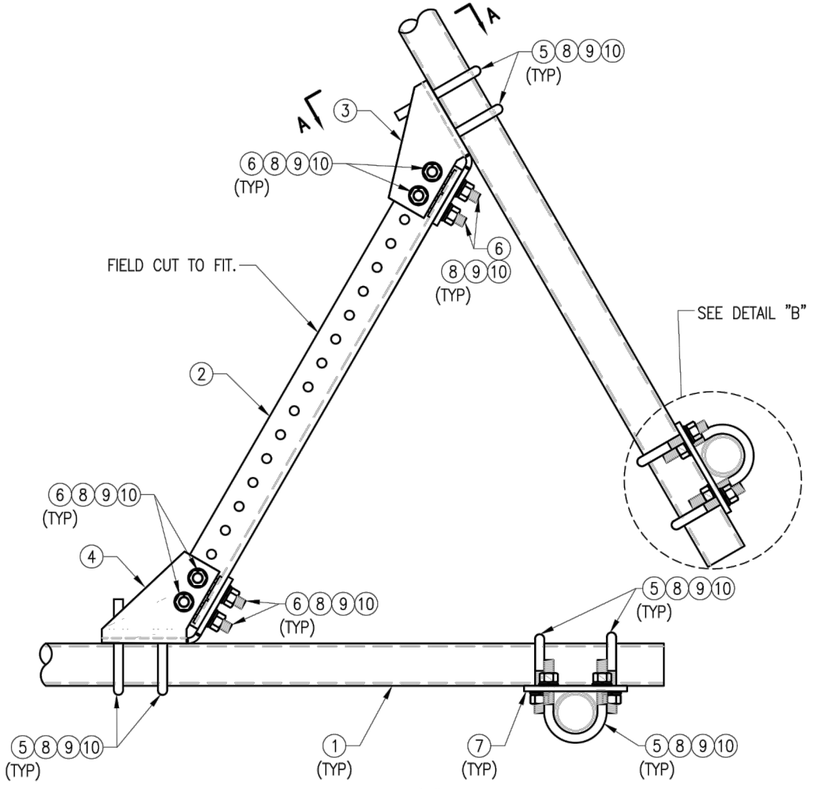
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE :
MOUNT PHOTOS

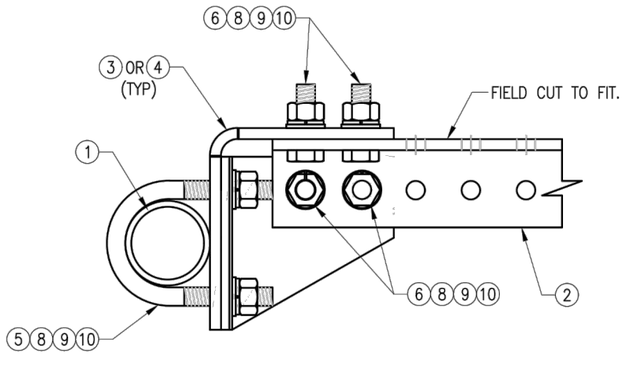
SHEET NUMBER :
S-7



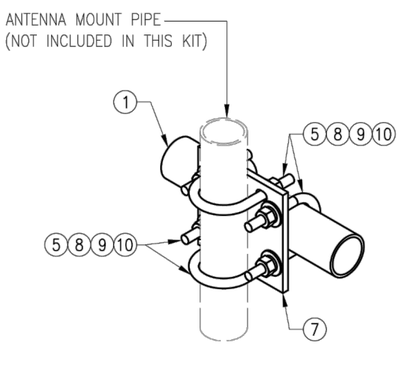
PLAN VIEW



DETAIL "A"



SECTION "A–A"



DETAIL "B"

NOTES:
1. HOT–DIPPED GALVANIZED PER ASTM A123.

VZW SMART–PLK1 (SUPPORT RAIL KIT)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	PST2875–12.5	2.5" PST (2.875" O.D. X 0.203" THK.) X 12'–6" A53 GR–B	PLK1–F1	292
2	3	L33375–3	L 3" X 3" X 3/8" X 3'–0" A36	PLK1–F1	66
3	3	CBP–L	CORNER BENT PLATE BRACKET	PLK1–F2	28
4	3	CBP–R	CORNER BENT PLATE BRACKET	PLK1–F2	28
5	60	MS02–625–300–500	RU–BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC–1	82
6	24	---	BOLT 5/8" X 2" A325	---	9
7	12	PL375–857	PL 3/8" X 8 1/2" X 7'–0" A36	PLK1–F3	77
8	144	FW–625	5/8" HDG USS FLAT WASHER	---	12
9	144	LW–625	5/8" HDG LOCK WASHER	---	3
10	144	NUT–625	5/8" HDG HEX NUT	---	17
				GALVANIZED WT	504

VzW SMART Tool© Vendor

verizon

DRAWN BY: H.R | CHECKED BY: HMA

REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20

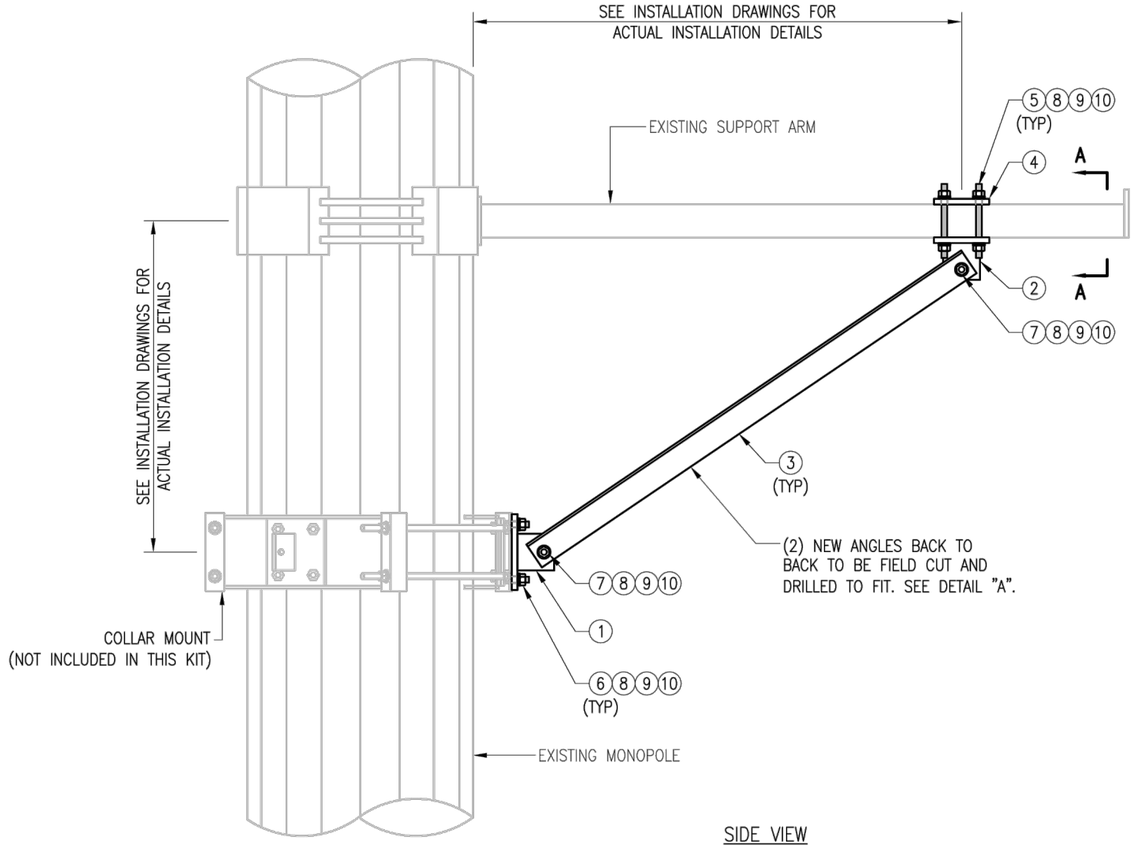
SHEET TITLE:

VZWSMART–PLK1
SUPPORT RAIL KIT

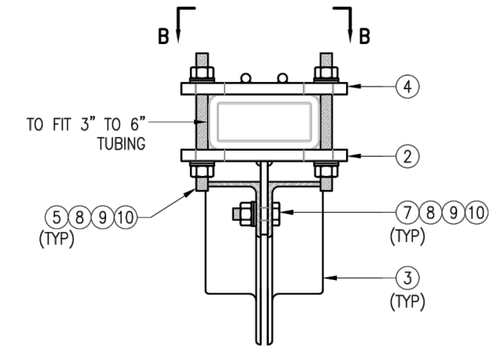
SHEET NUMBER: VZWSMART–PLK1

REV #: 0

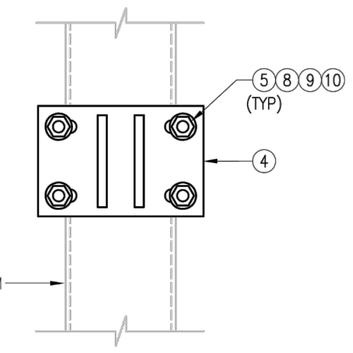
NOTE:
THE LOCATION OF KICKER AND EXISTING ANTENNA MOUNT SHOWN ON THE DRAWING IS FOR REPRESENTATION PURPOSE ONLY. SEE INSTALLATION DRAWINGS FOR ACTUAL INSTALLATION OF DETAILS.



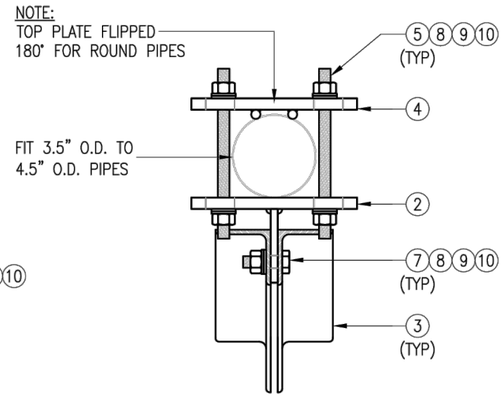
SIDE VIEW
KICKER KIT



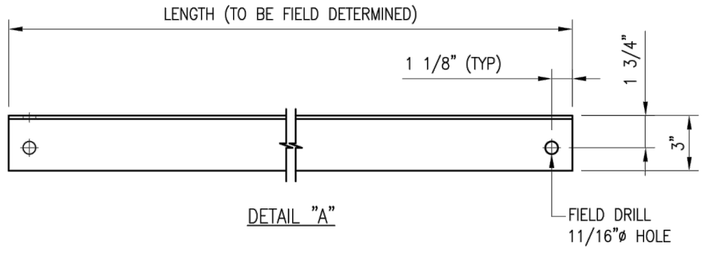
SECTION "A–A"
RECT. HSS MOUNTING



SECTION "B–B"



SECTION "A–A"
ROUND PIPE MOUNTING



DETAIL "A"

NOTES:
1. ALL HOLES ARE 11/16" DIA. U.N.O
2. HOT–DIPPED GALVANIZED PER ASTM A123.
3. FIT UP TO 6" SQ. TUBING OR 4 1/2" O.D. PIPE

VZWSMART–PLK5 (KICKER KIT)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	BRKW–XXX	BRACKET WELDMENT A36	PLK5–F3	43.8
2	3	BRKW–XXXX	BRACKET WELDMENT A36	PLK5–F2	35.7
3	6	L331875–8	L 3" X 3" X 3/16" X 8'–0" A36	PLK5–F4	182.9
4	3	PL–KI	PL 5/8" X 6" X 9" A36	PLK5–F1	29.0
5	12	---	THREADED ROD 5/8" DIA. X 1'–0" F1554–36 HDG	---	--
6	6	---	BOLT 5/8" X 2" A325	---	--
7	12	---	BOLT 5/8" X 2 1/2" A325	---	--
8	42	FW–625	5/8" HDG USS FLAT WASHER	---	3
9	42	LW–625	5/8" HDG LOCK WASHER	---	1
10	42	NUT–625	5/8" HDG HEX NUT	---	5
				GALVANIZED WT	291

VzW SMART Tool© Vendor

verizon

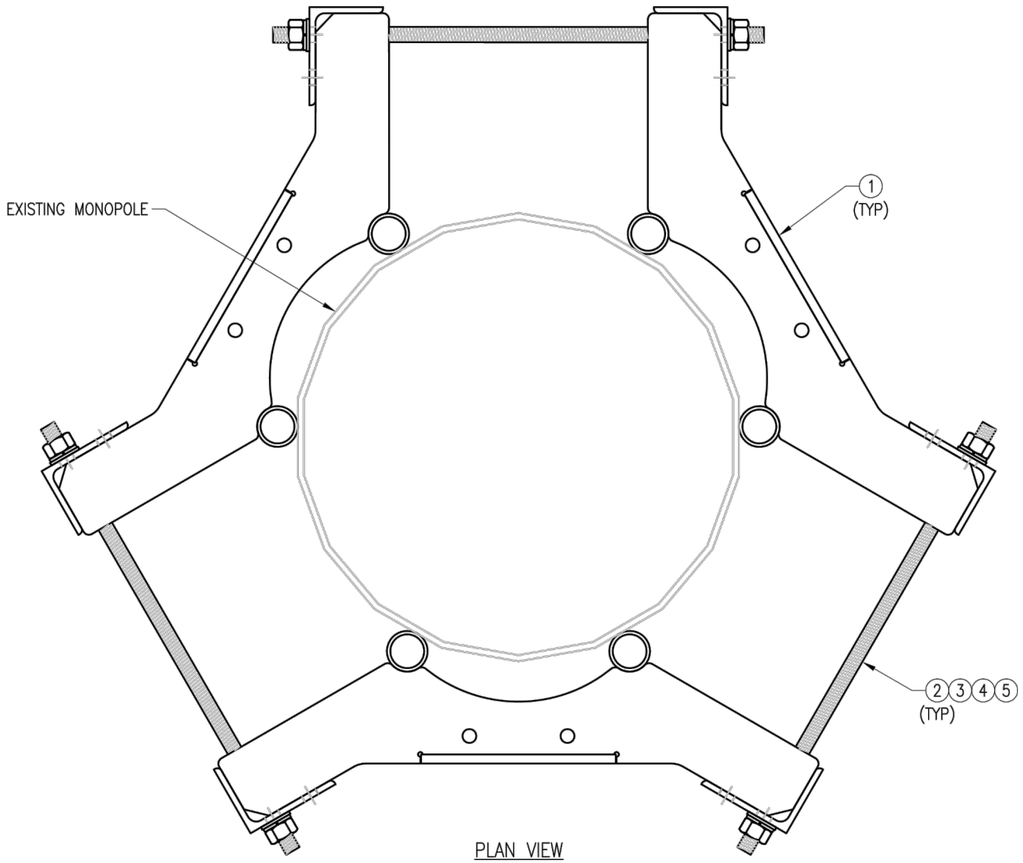
DRAWN BY: MN | CHECKED BY: HMA/KW

REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	MN	05/08/20

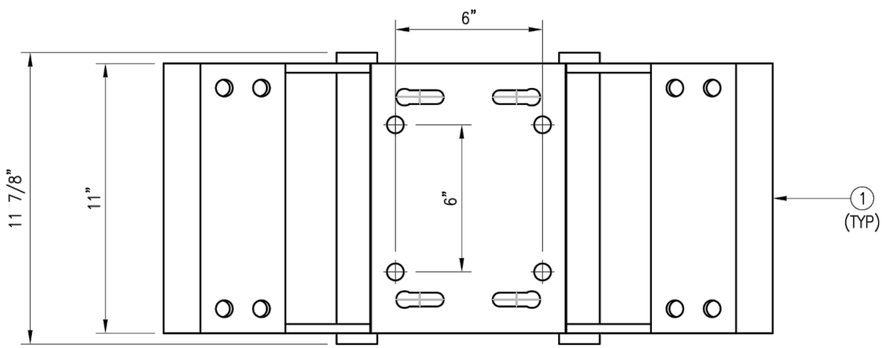
SHEET TITLE:
VZWSMART–PLK5
KICKER KIT

SHEET NUMBER: VZWSMART–PLK5

REV #: 0



PLAN VIEW
MONOPOLE COLLAR MOUNT ASSEMBLY



FRONT VIEW

NOTES:
1. FIT 12" TO 45" DIA MONOPOLE.
2. HOT-DIPPED GALVANIZED PER ASTM A123.

VZWSMART-PLK7 (MONOPOLE COLLAR MOUNT ASSEMBLY)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	CM-1245	COLLAR MOUNT ASSEMBLY	PLK7-F1	147
2	6	---	THREADED ROD 5/8" X 4'-0" A193-B7	---	
3	12	FW-625	5/8" HDG USS FLAT WASHER	---	1
4	12	LW-625	5/8" HDG LOCK WASHER	---	0
5	12	NUT-625	5/8" HDG HEX NUT	---	1
				GALVANIZED WT	150

VzW
SMART Tool©
Vendor

verizon

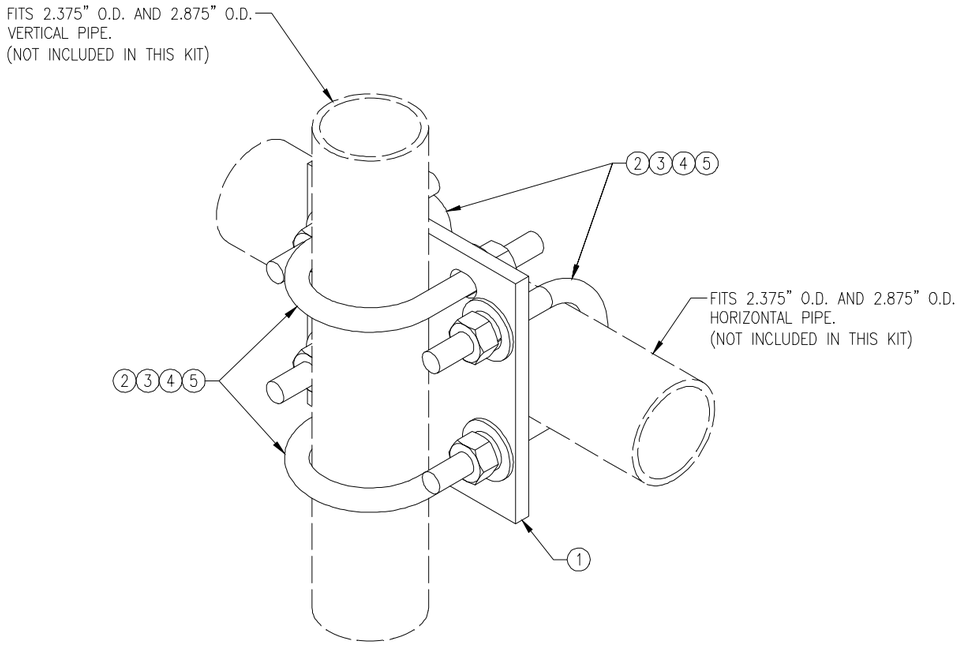
DRAWN BY: BT | CHECKED BY: HMA/KW

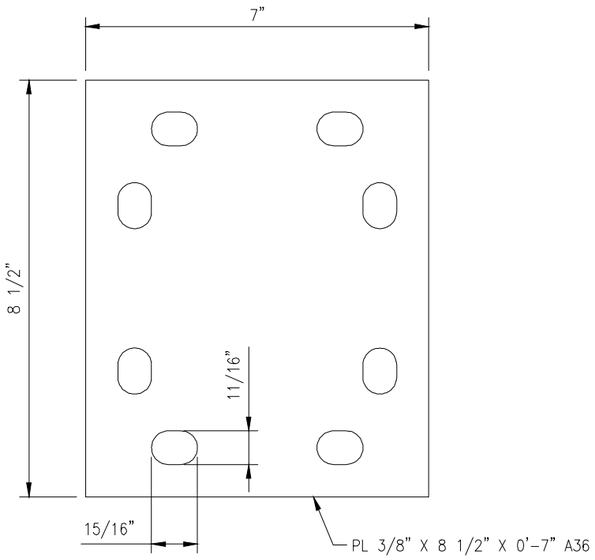
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	BT	05/11/20

SHEET TITLE:
VZWSMART-PLK7
MONOPOLE COLLAR
MOUNT ASSEMBLY

SHEET NUMBER: VZWSMART-PLK7

REV #: 0





PL375-857

NOTES:
1. HOT-DIPPED GALVANIZED PER ASTM A123.

VZWSMART-MSK1 (CROSSOVER PLATE)					
ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	PL375-857	PL 3/8" X 8 1/2" X 0'-7" A36	MSK1-F1	6
2	4	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	5
3	8	FW-625	5/8" HDG USS FLAT WASHER	---	1
4	8	LW-625	5/8" HDG LOCK WASHER	---	0
5	8	NUT-625	5/8" HDG HEX NUT	---	1
				GALVANIZED WT	14

VzW SMART Tool© Vendor

verizon

DRAWN BY: H.R | CHECKED BY: HMA

REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20

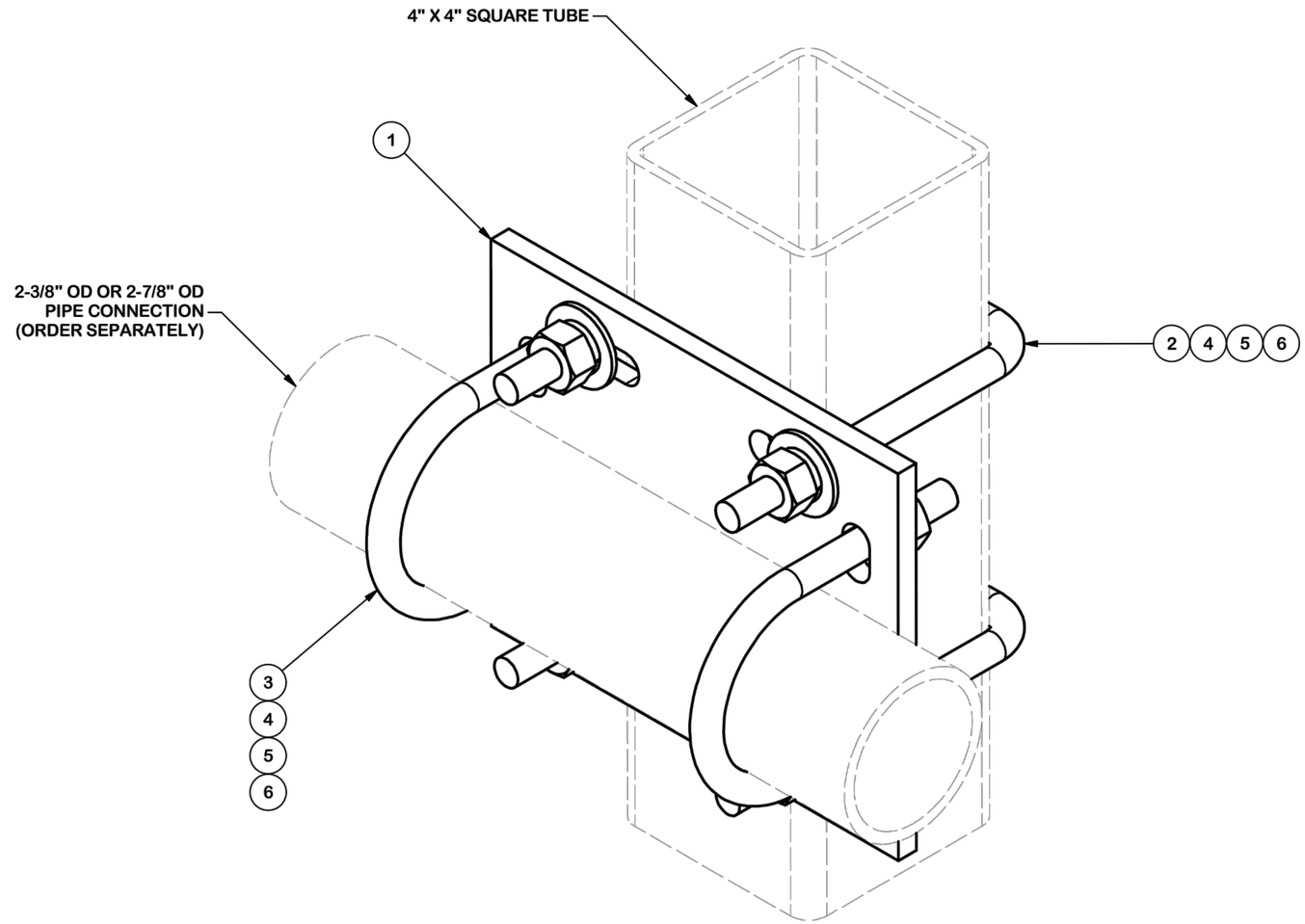
SHEET TITLE:

VZWSMART-MSK1
CROSSOVER PLATE

SHEET NUMBER: VZWSMART-MSK1

REV #: 0

PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	1	SCX4	CROSSOVER PLATE	8 1/2 in	6.02	6.02
2	2	X-SUB1418	SQUARE U-BOLT 0.5" DIA. X 4.125" IW X 6" IL X 3" TR		0.98	1.95
3	2	X-UB1212	1/2" X 2-1/2" X 4-1/2" X 2" U-BOLT (HDG.)		0.60	1.19
3	2	X-UB1300	1/2" X 3" X 5" X 2" U-BOLT (HDG.)		0.67	1.34
4	8	G12FW	1/2" HDG USS FLATWASHER	3/32 in	0.03	0.27
5	8	G12LW	1/2" HDG LOCKWASHER	1/8 in	0.01	0.11
6	8	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	0.57
					TOTAL WT. #	11.35



TOLERANCE NOTES

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

DESCRIPTION
CROSSOVER PLATE KIT
W/ SQUARE U-BOLTS AND STD. U-BOLTS

CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.
	CSL 9/18/2018	3RD PARTY	SQCX4-K

CLASS	SUB	DRAWING USAGE	CHECKED BY	DWG. NO.
87	02	CUSTOMER	BMC 11/12/2018	SQCX4-K

SITE PRO 1
A valmont COMPANY
Engineering Support Team: 1-888-753-7446
Locations:
New York, NY
Atlanta, GA
Los Angeles, CA
Plymouth, IN
Salem, OR
Dallas, TX