Robinson+Cole

KENNETH C. BALDWIN

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Also admitted in Massachusetts
and New York

June 14, 2021

Via Electronic Mail

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

Re: **Notice of Exempt Modification – Facility Modification**
300 Tresser Boulevard (a/k/a 667 East Main Street), Stamford, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains an existing wireless telecommunications facility at the above-referenced property address (the "Property"). The facility consists of antennas and remote radio heads on the roof of the building and related equipment inside an equipment room inside the building's garage at the Property. Cellco's rooftop telecommunications facility was approved by the Council in April of 1987 (Docket No. 73). A copy of the Council's Docket No. 73 Decision and Order is included in Attachment 1.

Cellco now intends to modify its facility by adding four (4) new Samsung 64T64RMMU antennas (one antenna per sector) to the existing facility. A set of project plans showing Cellco's proposed facility modifications and new antennas specifications are included in Attachment 2.

Please accept this letter as notification pursuant to R.C.S.A. § 16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to Stamford's Chief Elected Official and Land Use Officer.

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

1. The proposed modifications will not result in an increase in the height of the existing tower. Cellco's replacement antennas will be installed on new pipe mounts, one per sector, at same heights on the roof.

2. The proposed modifications will not involve any change to ground-mounted equipment and, therefore, 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 installation of Cellco's new antennas will not increase radio frequency (RF) emissions at the facility to a level at or above the Federal Communications Commission (FCC) safety standard. A general power density calculation table for the modified facility is included in Attachment 3. The modified facility will be capable of providing Cellco's 5G wireless service.

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

6. According to the attached Structural Analysis ("SA") and Mount Analysis ("MA"), the existing host building and antenna mounting devices can support Cellco's proposed facility modifications. Copies of the SA and MA are included in Attachment 4. Also included in Attachment 4 is a separate letter prepared by the consulting engineer responsible for the MA verifying that the antenna model described in the MA as a nL-Sub6 Antenna, is the Samsung 64T64R (MT6407-77A) model antenna that will be installed on the tower.

A copy of the parcel map and Property owner information is included in Attachment 5. A Certificate of Mailing verifying that this filing was sent to municipal officials and the property owner is included in Attachment 6.

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

Sincerely,

Kenneth C. Baldwin

Enclosures
Copy to:
David R. Martin, Stamford Mayor
Ralph Blessing, Land Use Bureau Chief
Bayview Preservation Partners
Aleksey Tyurin

ATTACHMENT 1

DOCKET NO. 73

AN APPLICATION OF METRO MOBILE CTS OF FAIRFIELD COUNTY, INC., FOR CERTIFICATES OF ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED FOR THE CONSTRUCTION, MAINTENANCE, AND OPERATION OF THREE FACILITIES CONSISTING OF TELECOMMUNICATIONS TOWERS AND ASSOCIATED EQUIPMENT FOR THE PURPOSE OF PROVIDING DOMESTIC PUBLIC CELLULAR RADIO TELECOMMUNICATIONS SERVICE IN THE TOWN OF GREENWICH AND IN THE CITIES OF NORWALK AND STAMFORD, CONNECTICUT.	:	CONNECTICUT SITING COUNCIL
	:	April 1, 1987

D E C I S I O N A N D O R D E R

Pursuant to the foregoing opinion, the Connecticut Siting Council (Council) hereby directs that a Certificate of Environmental Compatibility and Public Need, as provided by Section 16-50k of the General Statutes of Connecticut (CGS), be issued to Metro Mobile CTS of Fairfield County, Inc., for the construction, operation, and maintenance of cellular mobile telecommunications equipment in the Town of Greenwich, and the Cities of Norwalk and Stamford, Connecticut.

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

1. The Norwalk tower, including antennas, shall be no taller than necessary to provide the proposed service, and in no event shall exceed 193 feet.
2. A fence not lower than eight feet shall surround the Norwalk tower.
3. Unless necessary to comply with condition number four, below, no lights shall be installed on the Norwalk tower.
4. The facilities shall be constructed in accordance with all applicable federal, state, and municipal laws and regulations.

5. The certificate holder shall prepare a development and management (D&M) plan for the Norwalk site in compliance with sections 16-50j-75 through 16-50j-77 of the Regulations of State Agencies. The D&M plan shall provide for evergreen screening around the perimeter of the fence at this site, and for other landscaping to improve the appearance of the facility.
6. The receive antennas at the Greenwich and Stamford sites shall be mounted below the high points of the facades of their respective buildings to minimize their visibility.
7. No construction activities shall take place outside the hours of 7:00 A.M. to 7:00 P.M., Monday through Saturday.
8. The certificate holder or its successor shall notify the Council if and when directional antennas or any equipment other than that listed in this application is added to these facilities.
9. The certificate holder or its successor shall permit public or private entities to share space on the Norwalk tower, for due consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.
10. If these facilities do not provide or permanently cease to provide cellular service following completion of construction, this Decision and Order shall be void, and the tower and all associated equipment in this application shall be dismantled and removed or reapplication for any new use shall be made to the Council before any such new use is made.

11. Unless otherwise approved by the Council, this Decision and Order shall be void if all construction authorized herein is not completed within three years of the issuance of this Decision and Order, or within three years of the completion of any appeal taken in this Decision.

12. The certificate holder shall comply with any future radio frequency (RF) standards promulgated by state or federal regulatory agencies. Upon the establishment of any new governmental RF standards, the facilities granted in this Decision shall continue to be in compliance with such standards.

Pursuant to CGS section 16-50p, we hereby direct that a copy of the Decision and Order be served on each person listed below. A notice of the issuance shall be published in the Stamford Advocate, the Greenwich Times, the Norwalk Hour, and the Bridgeport Post.

The parties to the proceeding are:

Mr. Armand Mascioli (Applicant)
General Manager
Metro Mobile CTS of Fairfield
County, Inc.
5 Eversley Avenue
Norwalk, Connecticut 06855

Howard L. Slater, Esquire (its attorney)
Byrne, Slater, Sandler,
Shulman & Rouse, P.C.
330 Main Street
P.O. Box 3216
Hartford, Connecticut 06103

Richard Rubin, Esquire (its attorney)
Fleischman and Walsh, P.C.
1725 N Street, N.W.
Washington, D.C. 20036

Southern New England
Telephone Company

(its attorney)

Mr. Peter J. Tyrrell
Senior Attorney
Southern New England
Telephone Company
227 Church Street
New Haven, Connecticut 06506

C E R T I F I C A T I O N

The undersigned members of the Connecticut Siting Council hereby certify that they have heard this case or read the record thereof, and that we voted as follows:

Dated at New Britain, Connecticut, this 1st day of April, 1987.

Council Members	Vote Cast
Gloria Dibble Pond Gloria Dibble Pond Chairperson	Yes
Commissioner John Downey Designee: Commissioner Peter G. Boucher	Yes
Acting Commissioner John Anderson Designee: Brian Emerick	Yes
Owen L. Clark	Yes
Fred J. Doocy	Yes
Mortimer A. Gelston	Yes
James G. Horsfall	Absent
William H. Smith	Absent
Colin C. Tait	Yes

STATE OF CONNECTICUT)
: ss. New Britain, April 1, 1987
COUNTY OF HARTFORD)

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

ATTEST:

John C. Kelly
Executive Director
Connecticut Siting Council

I certify that a copy of the opinion and decision and order have been forwarded by mail to all parties of record on April 3, 1987.

ATTEST:

Robert K. Erling
Siting Analyst
Connecticut Siting Council

ATTACHMENT 2

WIRELESS COMMUNICATIONS FACILITY

SITE NAME:
STAMFORD CT

BAYVIEW TOWERS
300 TRESSER BLVD.
STAMFORD, CT 06901

ANTENNA MODIFICATION

PROJECT SUMMARY	
SITE NAME:	STAMFORD CT
SITE ADDRESS:	300 TRESSER BLVD. a.k.a. 667 EAST MAIN ST. STAMFORD, CT 06901
PROPERTY OWNER:	BAYVIEW PRESERVATION PARTNERS 300 TRESSER BLVD. STAMFORD, CT 06901
PARCEL ID:	002-6361
COORDINATES:	41° 03' 11.17" N 73° 32' 01.27" W
VERIZON CONSTRUCTION:	WALTER CHARCZYNSKI (860) 306-1806
VERIZON REAL ESTATE:	ALEX TYURIN (860) 550-3195

AERIAL MAP

SHEET INDEX

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WIRELESS COMMUNICATIONS FACILITY

20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

On Air Engineering, LLC
88 Foundry Pond Road
Cold Spring, NY 10516
201-456-4624
onair@optonline.net

LICENSURE

STATE OF CONNECTICUT
DAVID A. WEINPAHL
NO. 22144
LICENSED
LICENSED PROFESSIONAL ENGINEER

DAVID WEINPAHL, P.E.
CT LIC NO. 22144

SUBMITTALS

NO	DATE	DESCRIPTION
0	02.25.21	REVIEW

DRAWN BY:	MF
CHECKED BY:	DW

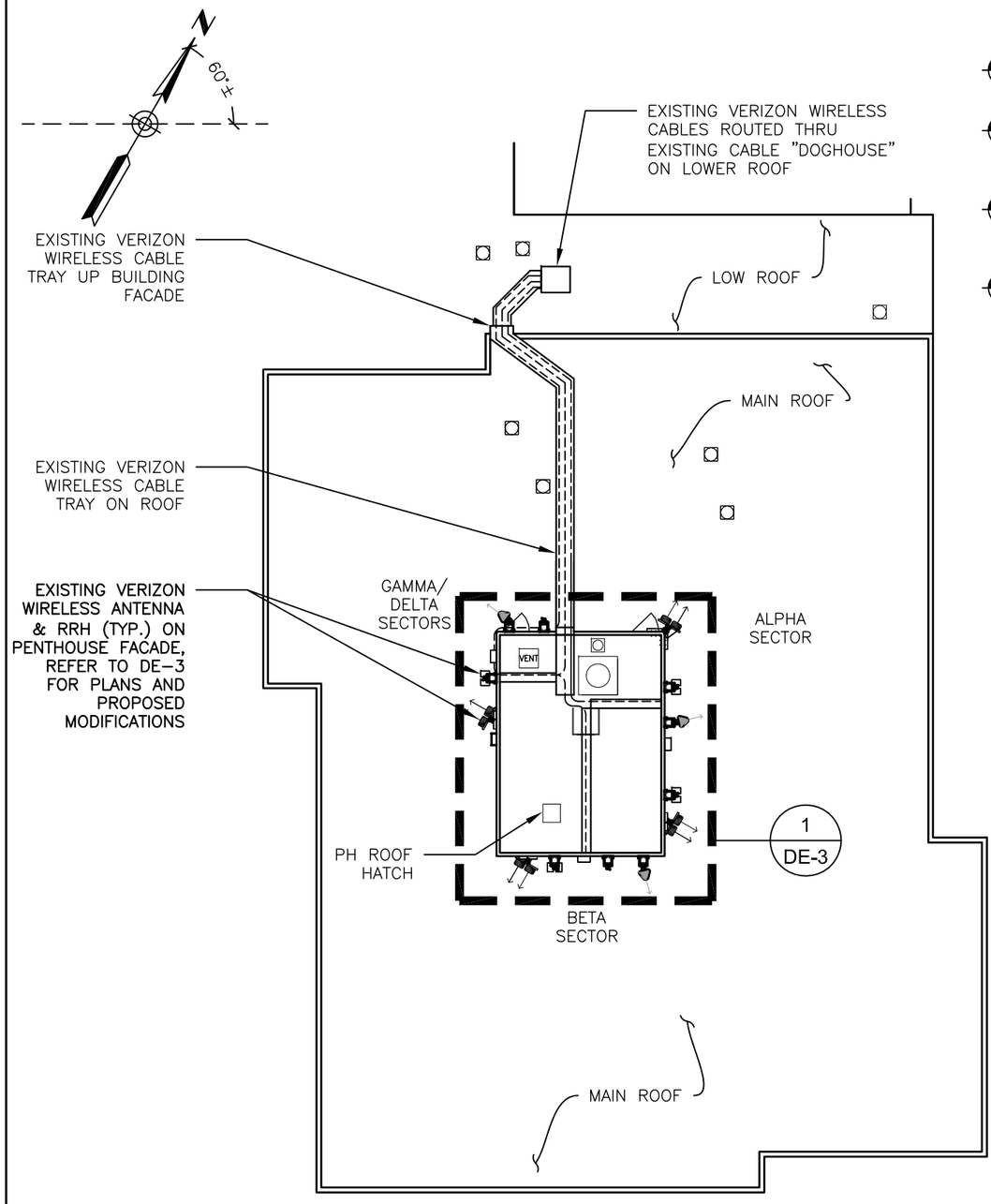
PROJECT NAME:
ANTMO
VZS01
DESIGN EXHIBITS

SITE NAME:
STAMFORD CT

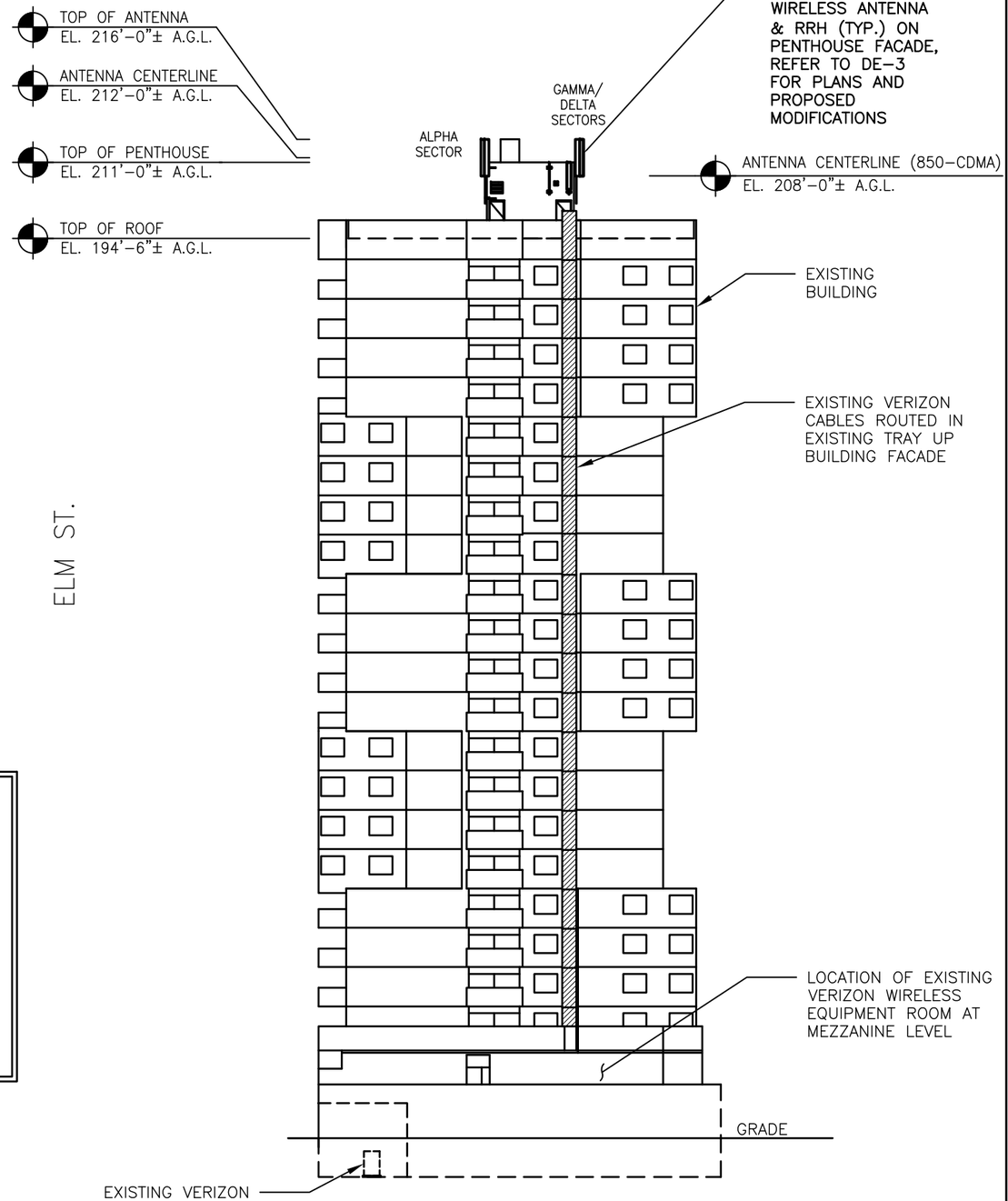
SITE ADDRESS:
BAYVIEW TOWERS
300 TRESSER BLVD.
STAMFORD, CT 06901

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
DE-1



1 DE-2 **ROOF PLAN**
Scale: 1/16" = 1'-0"



2 DE-2 **NORTH ELEVATION**
Scale: 1" = 30'

NOTES:
1. ROOF PLAN IS BASED EXISTING DRAWINGS PROVIDED BY VERIZON WIRELESS AND A LIMITED DESIGN VISIT ON 12-1-20 FOR A PROPOSED ANTENNA MODIFICATION.
2. PLANS ARE DIAGRAMMATIC ONLY AND NOT TO BE SCALED.
3. REFER TO STRUCTURAL ANALYSIS AND MOUNT ANALYSIS, BY OTHERS, UNDER SEPARATE COVER.

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0	02.25.21	REVIEW

DRAWN BY:	MF
CHECKED BY:	DW

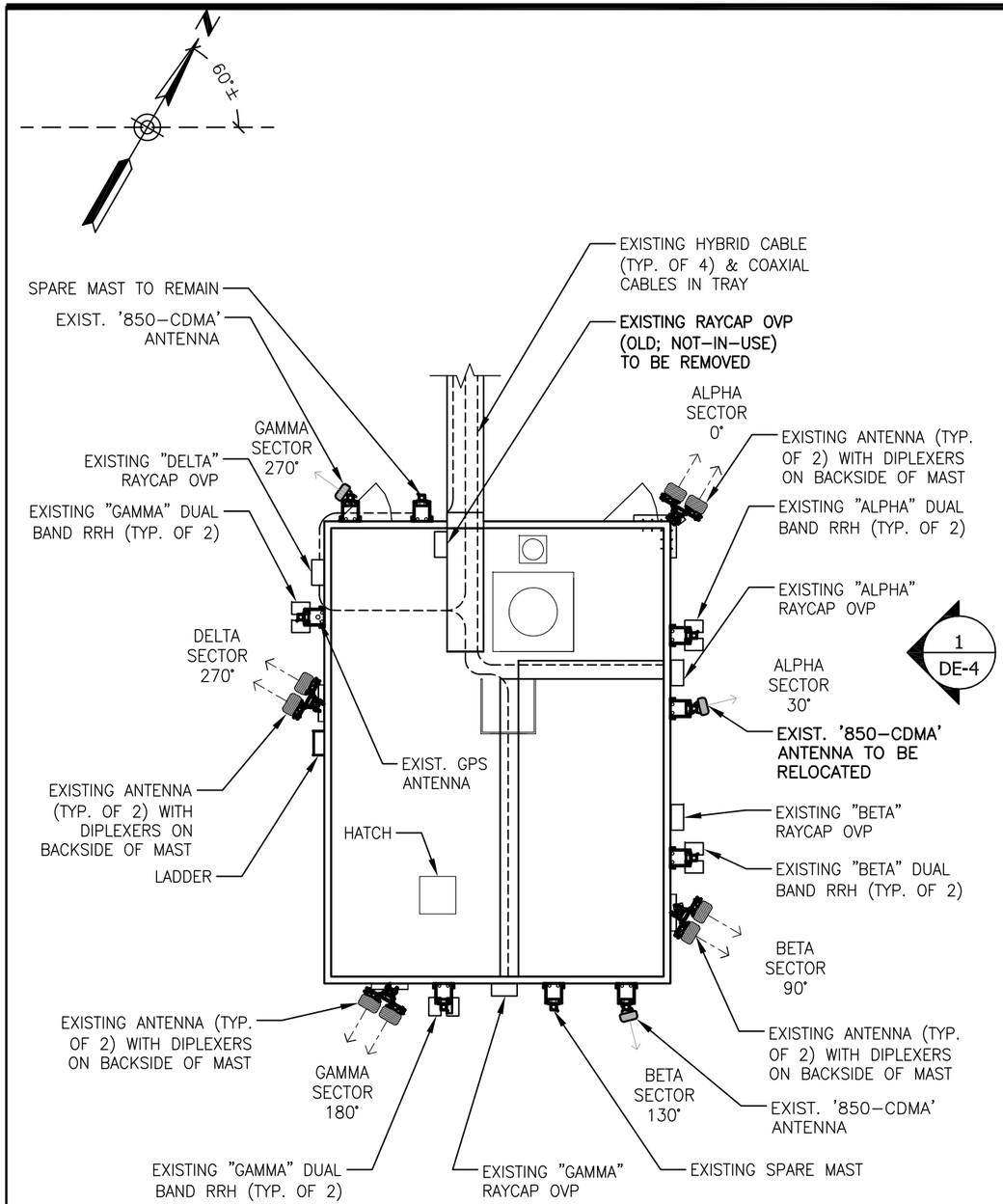
PROJECT NAME:
ANTMO
VZS01
DESIGN EXHIBITS

SITE NAME:
STAMFORD CT

SITE ADDRESS:
BAYVIEW TOWERS
300 TRESSER BLVD.
STAMFORD, CT 06901

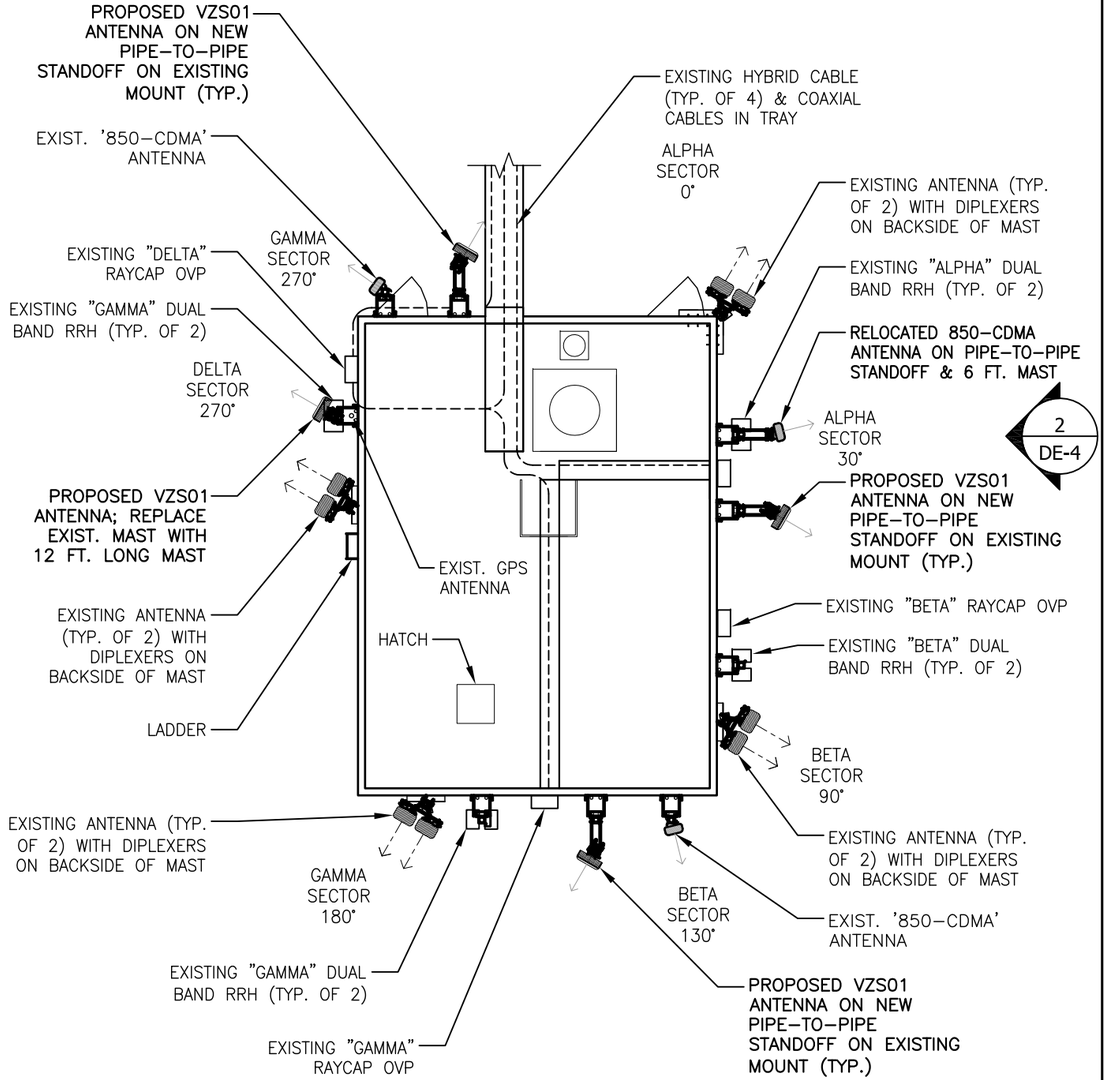
SHEET TITLE:
ROOF PLAN &
NORTH ELEVATION

SHEET NUMBER:
DE-2



1 / DE-3 ANTENNA PLAN ON PENTHOUSE - EXISTING

Scale: 1/8" = 1'-0"



2 / DE-3 ANTENNA PLAN ON PENTHOUSE - PROPOSED

Scale: 1/8" = 1'-0"

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DRAWN BY:	MF
CHECKED BY:	DW

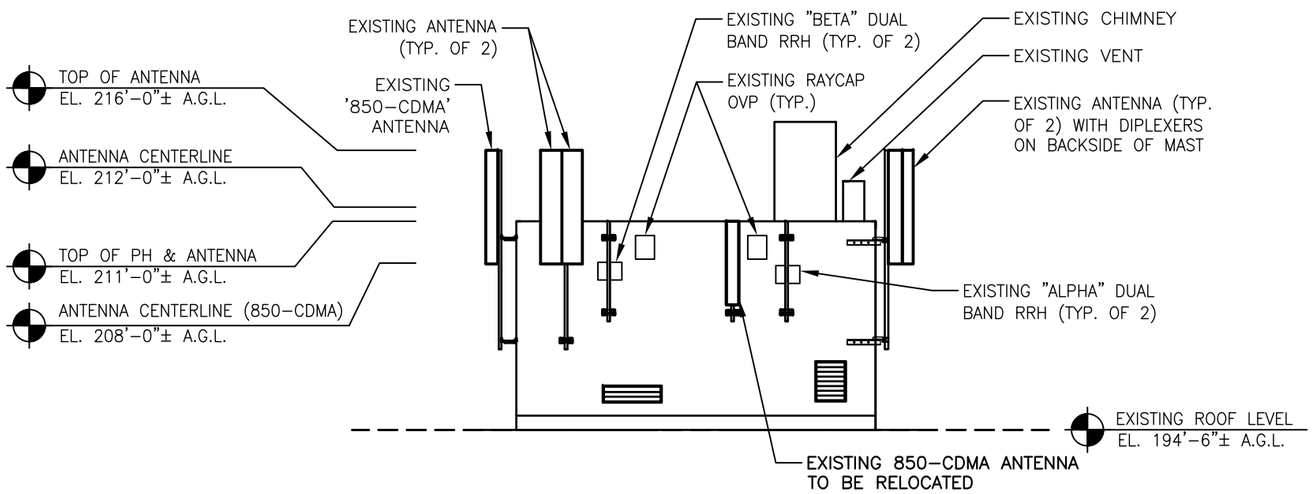
PROJECT NAME:
ANTMO
VZS01
DESIGN EXHIBITS

SITE NAME:
STAMFORD CT

SITE ADDRESS:
BAYVIEW TOWERS
300 TRESSER BLVD.
STAMFORD, CT 06901

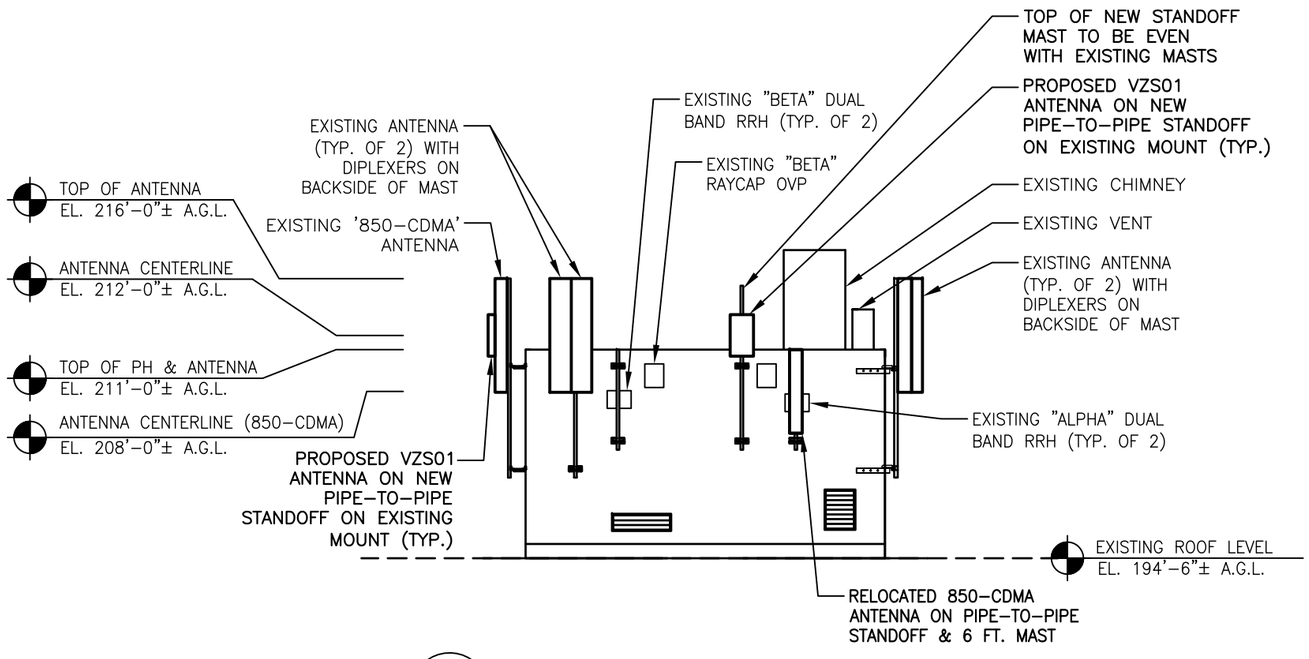
SHEET TITLE:
ANTENNA
SECTOR PLANS

SHEET NUMBER:
DE-3



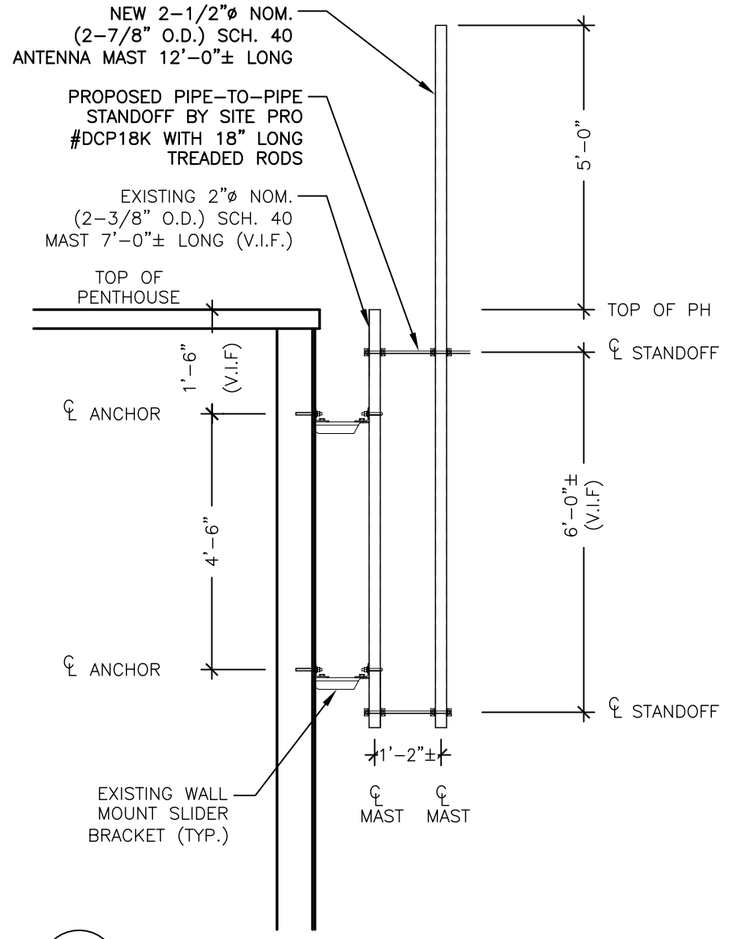
1 / DE-4 PENTHOUSE EAST ELEVATION - EXISTING

Scale: 3/32"=1'-0"



2 / DE-4 PENTHOUSE EAST ELEVATION - PROPOSED

Scale: 3/32"=1'-0"



3 / DE-4 ANTENNA MOUNTING DETAIL - PROPOSED VZS01

Scale: 3/8"=1'-0"

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CT LIC NO. 22144

SUBMITTALS

0	02.25.21	REVIEW

NO	DATE	DESCRIPTION

DRAWN BY:	MF
CHECKED BY:	DW

PROJECT NAME:

ANTMO
VZS01
DESIGN EXHIBITS

SITE NAME:

STAMFORD CT

SITE ADDRESS:

BAYVIEW TOWERS
300 TRESSER BLVD.
STAMFORD, CT 06901

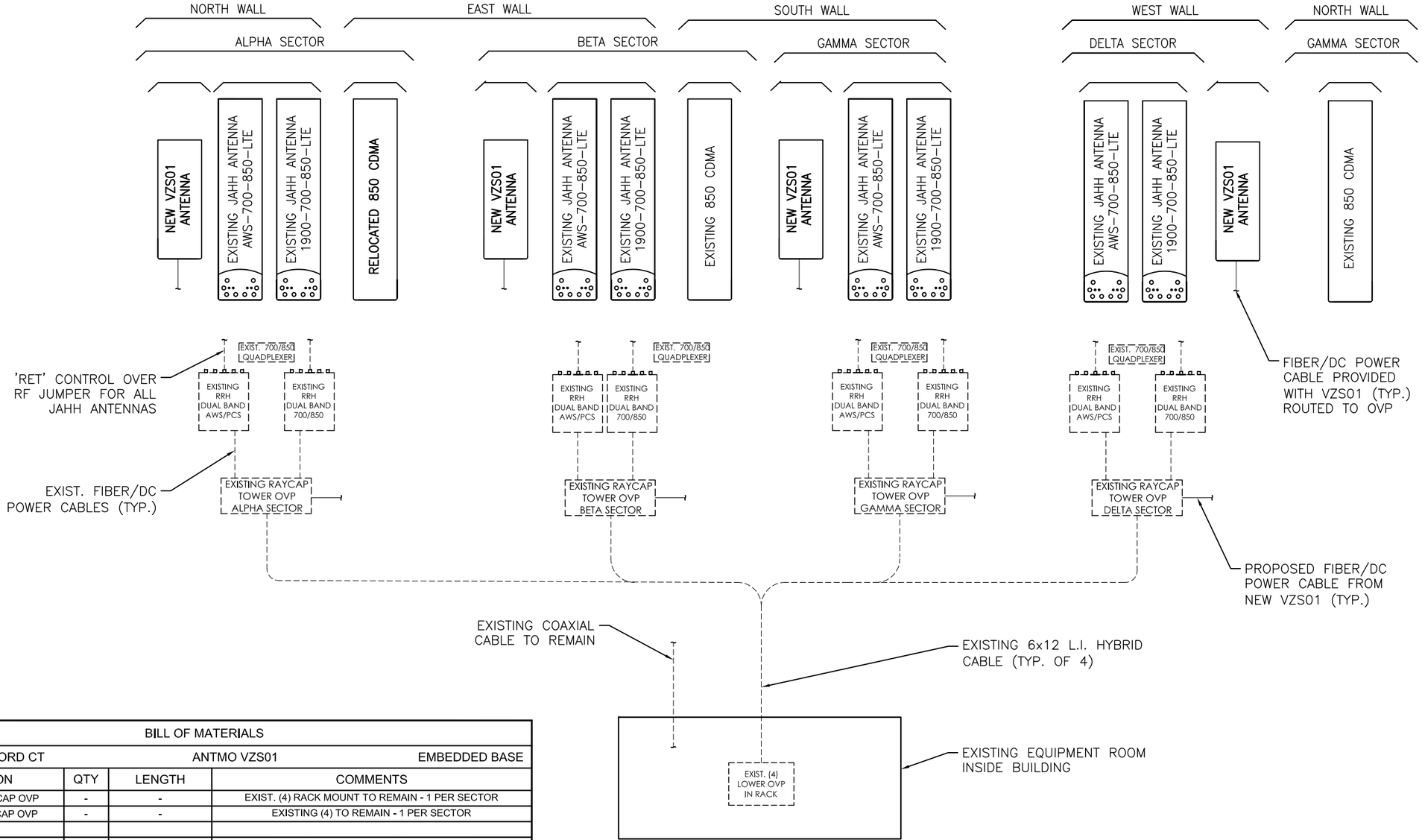
SHEET TITLE:

PENTHOUSE EAST ELEVATIONS & MOUNTING DETAIL

SHEET NUMBER:

DE-4

NOTE: ALL ANTENNAS VIEWED FROM REAR



BILL OF MATERIALS			
SITE NAME: STAMFORD CT		ANTMO VZS01	EMBEDDED BASE
DESCRIPTION	QTY	LENGTH	COMMENTS
LOWER 6-CKT. RAYCAP OVP	-	-	EXIST. (4) RACK MOUNT TO REMAIN - 1 PER SECTOR
UPPER 6-CKT. RAYCAP OVP	-	-	EXISTING (4) TO REMAIN - 1 PER SECTOR
6x12 L.I. HYBRID CABLE	-	-	EXISTING (4) TO REMAIN - 1 PER SECTOR
1/2" JUMPERS	-	-	SEE NOTE 2
AWS/PCS DUAL BAND RRH	-	-	EXISTING (4) TO REMAIN - 1 PER SECTOR
700/850 DUAL BAND RRH	-	-	EXISTING (4) TO REMAIN - 1 PER SECTOR
700/850 TWIN DIPLEXER	-	-	EXISTING (4) TO REMAIN - 1 PER SECTOR
VZS01 ANTENNA	4	-	SAMSUNG INTEGRATED - REFER TO RFDS
JAHH ANTENNA AWS-700-850-LTE	-	-	EXISTING (4) TO REMAIN - 1 PER SECTOR
JAHH ANTENNA PCS-700-850-LTE	-	-	EXISTING (4) TO REMAIN - 1 PER SECTOR
SIDE-BY-SIDE MTG. BRACKET	-	-	EXISTING (4) TO REMAIN - 1 PER SECTOR
850-CDMA ANTENNA	-	-	EXISTING (3) TO REMAIN - 4 PER SECTOR

NOTES:
1. ITEMS SHOWN ARE FOR MAJOR DESIGN ELEMENTS ONLY. REFER TO VERIZON WIRELESS RFDS FOR ALL MANUFACTURER PART NUMBERS AND ACCESSORY ITEMS REQUIRED FOR A COMPLETE INSTALLATION.
2. CONTRACTOR SHALL DETERMINE AND PROVIDE ALL REQUIRED PRE-FAB JUMPER QUANTITIES AND LENGTHS, KEEPING ALL LENGTHS TO A MINIMUM.

1 / DE-5 RF PLUMBING DIAGRAM
Scale: N.T.S

GENERAL NOTES:

1. CONTRACTOR SHALL REFER TO THE LATEST VERIZON WIRELESS RFDS WHICH MAY INCLUDE ANTENNA SECTOR AZIMUTHS/ANTENNA CHANGES, ETC. THAT ARE REQUIRED AS PART OF THE PROJECT.
2. CONTRACTOR SHALL SECURE ALL CONTROL CABLES IN ACCORDANCE WITH INDUSTRY STANDARDS AND MANUFACTURERS INSTRUCTIONS. EXTERIOR CABLES MAY BE TAPED OR TIE-WRAPPED TO EXISTING SUPPORTS EVERY 4 FT. MAX. FOR HORIZONTAL RUNS. CONTRACTOR MAY USE HOISTING GRIPS AT TOP OF VERTICAL CABLE RUNS WHEN REQUIRED.
3. ALL CABLES SHALL BE ROUTED AND SECURED ON STRUCTURAL MEMBERS ONLY - DO NOT "LOOP" THE CABLES IN MID-AIR BETWEEN ANTENNAS
4. REFER TO RFDS FOR DETAILED PLUMBING DIAGRAM SHOWING ALL JUMPER AND OTHER CABLING CONNECTIONS AT ANTENNAS, RRH's, DIPLEXERS OR OTHER DEVICES.

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DESIGN EXHIBITS

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300 TRESSER BLVD.
STAMFORD, CT 06901

SHEET TITLE:
RF PLUMBING DIAGRAM & B.O.M

SHEET NUMBER:
DE-5

GENERAL CONSTRUCTION NOTES:

1. CONTRACTOR SHALL NOT COMMENCE ANY WORK UNTIL HE OBTAINS, AT HIS OWN EXPENSE, ALL INSURANCE REQUIRED BY *CELLCO PARTNERSHIP d/b/a VERIZON, THE PRO*PERTY OWNER AND/OR PROPERTY MANAGEMENT COMPANY.

2. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS AND ALL LOCAL LAWS AND REGULATIONS, CURRENT EDITIONS.

3. CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND MAKE PROVISIONS AS TO THE COST THEREOF. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

4. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, ANGLES AND EXISTING CONDITIONS AT THE SITE PRIOR TO FABRICATION AND/OR INSTALLATION OF ANY WORK IN THE CONTRACT AREA AND SUBMIT TO THE ENGINEER ANY DISCREPANCIES FROM THE DRAWINGS.

5. CONTRACTOR IS TO REVIEW ALL DRAWINGS AND SPECIFICATIONS IN THE CONTRACT DOCUMENT SET. CONTRACTOR SHALL COORDINATE ALL WORK SHOWN IN THE SET OF DRAWINGS. CONTRACTOR SHALL PROVIDE A COMPLETE SET OF DRAWINGS TO ALL SUB-CONTRACTORS AND ALL RELATED PARTIES. THE SUB-CONTRACTORS SHALL EXAMINE ALL THE DRAWINGS AND SPECIFICATIONS FOR THE INFORMATION THAT AFFECTS THEIR WORK.

6. CONTRACTOR SHALL PROVIDE A COMPLETE BUILD-OUT WITH ALL FINISHES, STRUCTURAL, MECHANICAL AND ELECTRICAL COMPONENTS AND PROVIDE ALL ITEMS AS SHOWN OR INDICATED ON DRAWINGS OR WRITTEN IN SPECIFICATIONS.

7. CONTRACTOR SHALL FURNISH ALL MATERIAL, LABOR AND EQUIPMENT TO COMPLETE THE WORK AND FURNISH A COMPLETED JOB IN ACCORDANCE WITH LOCAL AND STATE GOVERNING AUTHORITIES AND OTHER AUTHORITIES HAVING LAWFUL JURISDICTION OVER THE WORK.

8. CONTRACTOR SHALL OBTAIN AT HIS OWN EXPENSE ALL PERMITS AND ALL INSPECTIONS REQUIRED FROM FEDERAL AND STATE GOVERNMENTS, COUNTIES, MUNICIPALITIES AND OTHER REGULATORY AGENCIES WHICH MAY BE REQUIRED FOR THE PROJECT.

10. DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.

11. ALL MATERIAL PROVIDED BY *CELLCO PARTNERSHIP d/b/a VERIZON IS TO BE* REVIEWED BY CONTRACTOR AND ALL APPLICABLE SUB-CONTRACTOR PRIOR TO INSTALLATION. ANY DEFICIENCIES TO PROVIDED MATERIALS SHALL BE BROUGHT TO THE CONSTRUCTION MANAGERS ATTENTION IMMEDIATELY.

12. THE MATERIALS INSTALLED IN THE WORK SHALL MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. NO SUBSTITUTIONS ARE ALLOWED.

13. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION, FOR SEQUENCES AND PROCEDURES TO BE USED, AND TO ENSURE THE SAFETY OF THE EXISTING BUILDING AND ITS COMPONENT DURING CONSTRUCTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, BRACING, UNDERPINNING, ETC. THAT MAY BE NECESSARY.

14. CONTRACTOR SHALL COORDINATE ALL CIVIL, STRUCTURAL AND ELECTRICAL DRAWINGS FOR THE LOCATION OF ALL OPENINGS, RECESSES, BUILT-IN WORK, ETC.

15. CONTRACTOR SHALL RECEIVE CLARIFICATION IN WRITING AND SHALL RECEIVE IN WRITING AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEMS NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.

16. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ALL PRODUCTS OR ITEMS NOTED AS "EXISTING" WHICH ARE NOT FOUND TO BE IN THE FIELD.

17. ERECTION SHALL BE DONE IN A WORKMANLIKE MANNER BY COMPETENT EXPERIENCED WORKMEN IN ACCORDANCE WITH APPLICABLE CODES AND THE BEST-ACCEPTED PRACTICE. ALL MEMBERS SHALL BE LAID PLUMB AND TRUE AS INDICATED ON THE DRAWINGS.

18. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE WORK AREA, ADJACENT AREAS, AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFORM TO ALL O.S.H.A REQUIREMENTS.

19. CONTRACTOR SHALL COORDINATE HIS WORK AND SCHEDULE HIS ACTIVITIES AND WORKING HOURS IN ACCORDANCE WITH THE REQUIREMENTS OF THE PROPERTY OWNER AND/OR PROPERTY MANAGEMENT COMPANY.

20. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH THE WORK OF OTHERS AS IT MAY RELATE TO RADIO EQUIPMENT, ANTENNAS AND ANY OTHER PORTIONS OF THE WORK.

21. CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OR WHERE LOCAL CODES OR REGULATIONS MAY TAKE PRECEDENCE.

22. CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING SURFACES, EQUIPMENT, IMPROVEMENTS, PIPING, ANTENNA AND ANTENNA CABLES AND REPAIR ANY DAMAGE THAT OCCURS DURING CONSTRUCTION.

23. CONTRACTOR SHALL REPAIR ALL EXISTING SURFACES DAMAGED DURING CONSTRUCTION SUCH THAT THEY MATCH AND BLEND WITH ADJACENT SURFACES.

24. CONTRACTOR SHALL KEEP CONTRACT AREA CLEAN, HAZARD FREE AND DISPOSE OF ALL DEBRIS AND RUBBISH. EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY OF THE OWNER SHALL BE REMOVED. LEAVE PREMISES IN CLEAN CONDITIONS AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ITEMS UNTIL COMPLETION OF CONSTRUCTION.

25. BEFORE FINAL ACCEPTANCE OF THE WORK, CONTRACTOR SHALL REMOVE ALL EQUIPMENT, TEMPORARY WORKS, UNUSED AND USELESS MATERIALS, RUBBISH AND TEMPORARY STRUCTURES.

verizon

WIRELESS COMMUNICATIONS FACILITY

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onair@optonline.net

LICENSURE

DAVID WEINPAHL, P.E.
CT LIC NO. 22144

SUBMITTALS

NO	DATE	DESCRIPTION
0	02.25.21	REVIEW

DRAWN BY:	MF
CHECKED BY:	DW

PROJECT NAME:
ANTMO
VZS01
DESIGN EXHIBITS

SITE NAME:
STAMFORD CT

SITE ADDRESS:
BAYVIEW TOWERS
300 TRESSER BLVD.
STAMFORD, CT 06901

SHEET TITLE:
GENERAL CONSTRUCTION NOTES

SHEET NUMBER:
DE-6

SAMSUNG

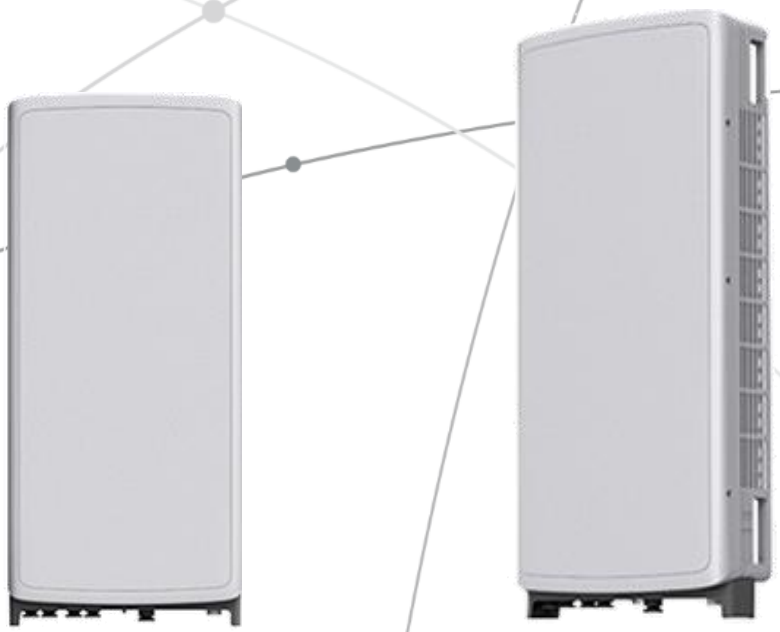
SAMSUNG

C-Band 64T64R Massive MIMO Radio

for High Capacity and Wide Coverage

Samsung C-Band 64T64R Massive MIMO Radio enables mobile operators to increase coverage range, boost data speeds and ultimately offer enriched 5G experiences to users in the U.S..

Model Code : MT6407-77A

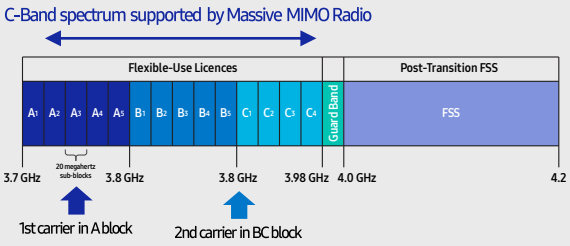


Points of Differentiation

Wide Bandwidth

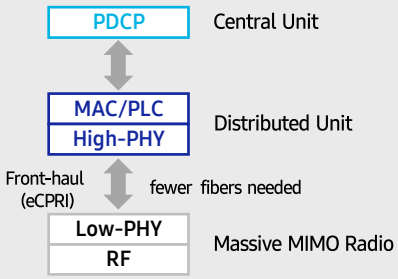
With capability to support up to 2 CC carrier configuration, Samsung C-Band massive MIMO Radio supports 200 MHz bandwidth in the C-Band spectrum.

Samsung C-Band massive MIMO Radio covers the entire C-Band 280 MHz spectrum, so it can meet the operator's needs in current A block and future B/C blocks



Future Proof Product

Samsung C-Band 64T64R Massive MIMO radio supports not only CPRI but also eCPRI as front-haul interface.
It enables operators can cut down on OPEX/CAPEX by reducing front-haul bandwidth through low layer split and using ethernet based higher efficient line.



Enhanced Performance

C-Band massive MIMO Radio creates sharp beams and extends networks' coverage on the critical mid-band spectrum using a large number of antenna elements and high output power to boost data speeds.

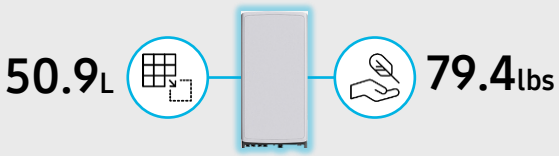
This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

Furthermore, as C-Band massive MIMO Radio supports MU-MIMO(Multi-user MIMO) , it enables to increase user throughput by minimizing interference.

Well Matched Design

Samsung C-Band Massive MIMO radio utilizes 64 antennas, supports up to 280MHz bandwidth, and delivers a 200W output power. despite the above advanced performance, the Radio has a compact size of 50.9L and 79.4lbs. This makes it easy to install the Radio.

It is designed to look solid and compact, with a low profile appearance so that, when installed, harmonizes well with the surrounding environment..



Technical Specifications

Item	Specification
Tech	NR
Band	n77
Frequency Band	3700 - 3980 MHz
EIRP	78.5dBm (53.0 dBm+25.5 dBi)
IBW/OBW	280 MHz / 200 MHz
Installation	Pole/Wall
Size/ Weight	16.06 x 35.06 x 5.51 inch (50.86L)/ 79.4 lbs

SAMSUNG

About Samsung Electronics Co., Ltd.

Samsung inspires the world and shapes the future with transformative ideas and technologies. The company is redefining the worlds of TVs, smartphones, wearable devices, tablets, digital appliances, network systems, and memory, system LSI, foundry and LED solutions.

129 Samsung-ro, Yeongtong-gu, Suwon-si Gyeonggi-do, Korea

ATTACHMENT 3

Site Name: ***STAMFORD 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	768	3070	212	0.0025	0.5007	0.49%
VZW CDMA	877.26	2	461	923	208	0.0008	0.5848	0.13%
VZW Cellular	874	4	888	3552	212	0.0028	0.5827	0.49%
VZW PCS	1980	4	1648	6591	212	0.0053	1.0000	0.53%
VZW AWS	2120	4	1688	6751	212	0.0054	1.0000	0.54%
VZW CBAND	3730.005	4	6531	26125	212	0.0209	1.0000	2.09%
Total Percentage of Maximum Permissible Exposure								4.27%

*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.

ATTACHMENT 4

STRUCTURAL ANALYSIS REPORT

FOR

VERIZON SITE NAME: STAMFORD CT
300 TRESSER BLVD
STAMFORD, CT 06901

PREPARED FOR:

verizon

WIRELESS COMMUNICATIONS FACILITY
20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

On Air Engineering, LLC
88 FOUNDRY POND ROAD
COLD SPRING, NY 10516
ONAIR@OPTONLINE.NET
201-456-4624

PBA ENGINEERING, P.C
Structural Engineers

12 KULICK ROAD
FAIRFIELD, NEW JERSEY 07004-3363
PHONE: (973) 276-1700
FAX: (973) 276-9766

PROJECT NO. N-500
DATE: 3/2/2021

Paul C. Beck, P.E.
Connecticut Professional Engineer
License No: 12949

CONTENTS

1. PURPOSE

The purpose of this review is to determine whether the twenty-one story, 211-ft +/- tall host building penthouse is capable of supporting the proposed Verizon Wireless modified antenna configuration. Specifically, this review considers the effects of wind load on the existing façade in accordance with the ASCE/SEI 7-16 (Minimum Design Load for Buildings and Other Structures) and the 2018 Connecticut State Building Code. This review excludes the calculation of a "Mounting Analysis" (MA), which is being performed by another engineer on behalf of Verizon, under separate cover.

2. REFERENCES

1. Mount Analysis Report by Maser Consulting
2. Verizon CD's by On Air Engineering, LLC, dated 2-25-21
3. Photographs and antenna mast supports
4. Verizon site visit field notes dated 2-13-2018 and 12-1-20
5. Structural Assessment Letter by On Air Engineering dated 2-14-2018

3. BUILDING CODES

1. 2018 Connecticut State Building Code
2. 2015 International Building Code
3. ASCE/SEI 7-16 (Minimum Design Loads for Building and Other Structures)
4. ACI 318-14 Sec 11.8 (Building Code Requirements for Structural Concrete)

4. EXISTING STRUCTURE & FIELD OBSERVATIONS

Verizon has a total of (11) panel antennas in a 4-sector configuration mounted to the existing host building penthouse. The exterior walls stand 16-ft +/- in height from the top of roof elevation to the top of the penthouse and confine two floors of mechanical rooms. Field notes and photographs reveal the surrounding enclosure to be composed mainly of 8-inch-thick concrete material, though there are certain regions on the "alpha" sector face of the wall that were noted to be 4 ½" in thickness (see plan).

5. PROPOSED VERIZON ANTENNA/EQUIPMENT CONFIGURATION

- (4) MT6407-77A Integrated Antennas
- (8) JAHH-65C-R3B Antennas on 'SBS' Mounting Bracket (2 per bracket)
- (3) BXA-70063-6CF Antennas
- (4) AWS/PCS Dual Band RRH
- (4) 700/850 Dual Band RRH

- (4) 700/850 Diplexers
- (4) Raycap 6-ckt Upper OVP

6. RESULTS

In short of historical construction documents, a concrete slender wall model with a design wind pressure of 49 pounds per square foot was simulated for the analysis of this review. Preliminary assumptions taken at the start of this lateral force study included a concrete wall thickness of 8 inches and a rebar location taken at the center of the wall.

The provided output values show that for the existing penthouse walls to withstand the applied wind pressure, and fulfill the minimum out-of-plane deflection ratio of 150, a minimum reinforcement of #5 rebar spaced at 10 inches on center is required. This specified reinforcement would not only satisfy the minimum design code requirements but also leave a sufficient amount of capacity for out-of-plane bending (approximately 62% of its capacity).

7. CONCLUSION

Although little to no information is known about the front 4 ½ inch façade exterior wall, as well as the adjacent 8-inch walls, the existing penthouse has been exposed to previous wind activity in the past and has shown no visual structural defects on the surface of its enclosure that would signal a compromised structure. This observation is based on the review of captured photographs provided to our office and is assumed to correctly depict the existing conditions at the time they were taken.

Moreover, the existing enclosure is currently mounting several of Verizon Wireless antennas around its perimeter, and any modifications without a significant change in weight in the equipment should not affect the out-of-plane bending in the walls.

In our discretion, the exterior penthouse walls are structurally adequate to support the proposed antenna configuration. If, however, future wind load events cause signs of bending overstress, such as cracking and/or out-of-plane buckling, structural reinforcement would be required.

Should you have any questions concerning the items contained within this report, please do not hastate to contact our office.

Sincerely,
PBA ENGINEERING, P.C.

Paul C. Beck, P.E.
Connecticut Professional Engineer
License No: 12949

PCB/mf
L:\WP61\LTR\CELLULAR JOBS\N-500 Structural Analysis Report, Verizon-300 Tresser Blvd. Stamford, CT.docx

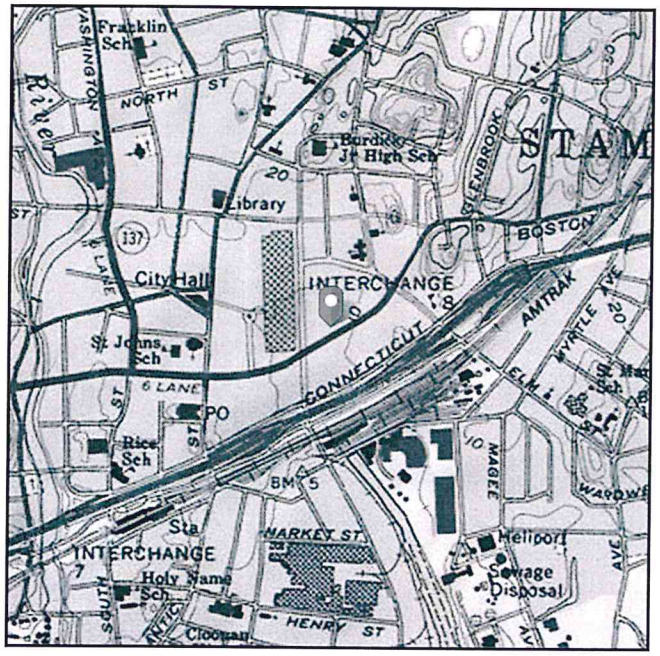
APPENDIX

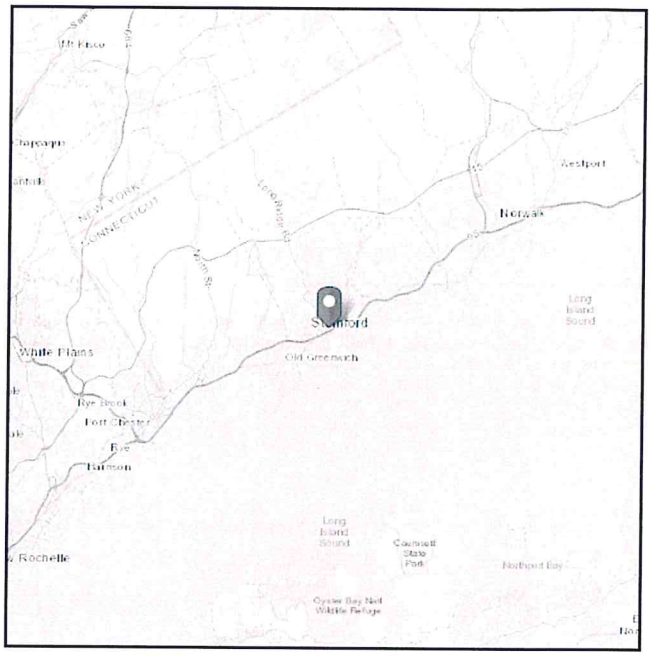
ASCE 7 Hazards Report

Address:
300 Tresser Blvd
Stamford, Connecticut
06901

Standard: ASCE/SEI 7-16
Risk Category: II
Soil Class: D - Default (see Section 11.4.3)

Elevation: 9.59 ft (NAVD 88)
Latitude: 41.052145
Longitude: -73.534737





Wind

Results:

Wind Speed:	117 Vmph
10-year MRI	75 Vmph
25-year MRI	85 Vmph
50-year MRI	90 Vmph
100-year MRI	97 Vmph
Data Source:	ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4
Date Accessed:	Thu Feb 04 2021

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-16 Standard. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 700 years).

Site is in a hurricane-prone region as defined in ASCE/SEI 7-16 Section 26.2. Glazed openings need not be protected against wind-borne debris.

Mountainous terrain, gorges, ocean promontories, and special wind regions should be examined for unusual wind conditions.

ASCE
AMERICAN SOCIETY OF CIVIL ENGINEERS

The ASCE 7 Hazard Tool is provided for your convenience, for informational purposes only, and is provided "as is" and without warranties of any kind. The location data included herein has been obtained from information developed, produced, and maintained by third party providers; or has been extrapolated from maps incorporated in the ASCE 7 standard. While ASCE has made every effort to use data obtained from reliable sources or methodologies, ASCE does not make any representations or warranties as to the accuracy, completeness, reliability, currency, or quality of any data provided herein. Any third-party links provided by this Tool should not be construed as an endorsement, affiliation, relationship, or sponsorship of such third-party content by or from ASCE.

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(APPENDIX N) MUNICIPALITY - SPECIFIC STRUCTURAL DESIGN PARAMETERS												
				Wind Design Parameters								
Municipality	Ground Snow Load (psf)	MCE Spectral Accelerations (%g)		Ultimate Design Wind Speeds, V_{ult} (mph)			Nominal Design Wind Speeds, V_{asd} (mph)			Wind-Borne Debris Regions[1]		Hurricane-Prone Regions
		S_s	S_1	Risk Cat.I	Risk Cat.II	Risk Cat III-IV	Risk Cat. I	Risk Cat. II	Risk Cat. III-IV	Risk Cat. II & III except Occup I-2	Risk Cat III Occup I-2 & Risk Cat. IV	
Simsbury	35	0.179	0.064	110	120	130	85	93	101			Yes
Somers	35	0.174	0.064	115	125	135	89	97	105			Yes
Southbury	35	0.198	0.065	110	120	130	85	93	101			Yes
Southington	30	0.185	0.064	115	125	135	89	97	105			Yes
South Windsor	30	0.178	0.064	115	125	135	89	97	105			Yes
Sprague	30	0.171	0.061	120	130	140	93	101	108		Type A	Yes
Stafford	35	0.173	0.064	115	125	135	89	97	105			Yes
Stamford	30	0.249	0.069	110	120	130	85	93	101			Yes
Sterling	35	0.170	0.061	125	135	145	97	105	112		Type A	Yes
Stonington	30	0.159	0.058	125	140	150	97	108	116	Type B	Type A	Yes
Stratford	30	0.201	0.064	115	125	135	89	97	105		Type B	Yes
Suffield	35	0.176	0.065	110	120	130	85	93	101			Yes
Thomaston	35	0.186	0.064	110	120	130	85	93	101			Yes
Thompson	40	0.172	0.063	120	130	140	93	101	108			Yes
Tolland	35	0.175	0.064	115	125	135	89	97	105			Yes
Torrington	40	0.182	0.065	110	120	125	85	93	97			Yes
Trumbull	30	0.207	0.065	115	125	135	89	97	105			Yes
Union	40	0.172	0.064	115	125	135	89	97	105			Yes
Vernon	30	0.177	0.064	115	125	135	89	97	105			Yes
Voluntown	30	0.168	0.060	125	135	145	97	105	112		Type A	Yes
Wallingford	30	0.183	0.063	115	125	135	89	97	105			Yes
Warren	40	0.186	0.065	105	115	125	81	89	97			
Washington	35	0.192	0.065	105	120	125	81	93	97			Yes
Waterbury	35	0.189	0.064	110	125	130	85	97	101			Yes
Waterford	30	0.161	0.058	125	135	145	97	105	112	Type B	Type A	Yes
Watertown	35	0.189	0.064	110	120	130	85	93	101			Yes
Westbrook	30	0.167	0.059	120	135	145	93	105	112	Type B	Type A	Yes
West Hartford	30	0.181	0.064	115	125	135	89	97	105			Yes
West Haven	30	0.188	0.062	115	125	135	89	97	105		Type B	Yes
Weston	30	0.224	0.067	110	120	130	85	93	101			Yes
Westport	30	0.226	0.067	110	120	130	85	93	101		Type B	Yes
Wethersfield	30	0.181	0.064	115	125	135	89	97	105			Yes
Willington	35	0.174	0.063	115	125	135	89	97	105			Yes
Wilton	30	0.231	0.068	110	120	130	85	93	101			Yes
Winchester	40	0.177	0.065	105	120	125	81	93	97			Yes
Windham	30	0.173	0.062	120	130	140	93	101	108			Yes
Windsor	35	0.179	0.064	115	125	135	89	97	105			Yes
Windsor Locks	35	0.177	0.064	110	125	130	85	97	101			Yes
Wolcott	35	0.187	0.064	110	125	130	85	97	101			Yes
Woodbridge	30	0.191	0.063	115	125	135	89	97	105			Yes
Woodbury	35	0.194	0.065	110	120	130	85	93	101			Yes
Woodstock	40	0.172	0.063	120	130	140	93	101	108			Yes

MecaWind v2333

Calculations Prepared by:
Date: Mar 02, 2021

File Location:
U:\Jeff\2021\N-500 - Stamford CT\Calculations\
300 Tresser Blvd, Stamford, Connecticut.wnd

Basic Wind Parameters

Wind Load Standard	= ASCE 7-16	Exposure Category	= B
Wind Design Speed	= 117.0 mph	Risk Category	= II
Structure Type	= Building	Building Type	= Enclosed

General Wind Settings

Incl_LF	= Include ASD Load Factor of 0.6 in Pressures	= False
DynType	= Dynamic Type of Structure	= Rigid
NF	= Natural Frequency of Structure (Mode 1)	= 1.000 Hz
Zg	= Altitude (Ground Elevation) above Sea Level	= 9.590 ft
Bdist	= Base Elevation of Structure	= 194.500 ft
SDB	= Simple Diaphragm Building	= False
Reacs	= Show the Base Reactions in the output	= False
MWFRSType	= MWFRS Method Selected	= Ch 27 Pt 1

Topographic Factor per Fig 26.8-1

Topo	= Topographic Feature	= None
Kzt	= Topographic Factor	= 1.000

Building Inputs

RoofType:	Building Roof Type	= Flat	RfHt	: Roof Height	= 16.500 ft
W	: Building Width	= 19.000 ft	L	: Building Length	= 25.250 ft
Par	: Is there a Parapet	= False			

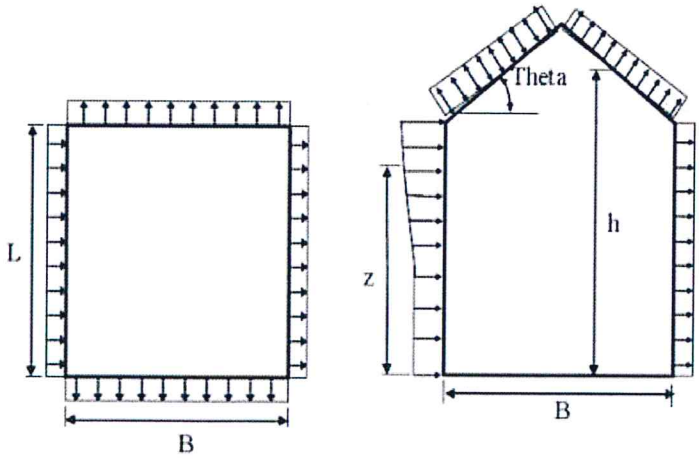
Exposure Constants per Table 26.11-1:

Alpha:	Const from Table 26.11-1= 7.000	Zg:	Const from Table 26.11-1= 1200.000 ft
At:	Const from Table 26.11-1= 0.143	Bt:	Const from Table 26.11-1= 0.840
Am:	Const from Table 26.11-1= 0.250	Bm:	Const from Table 26.11-1= 0.450
C:	Const from Table 26.11-1= 0.300	Eps:	Const from Table 26.11-1= 0.333

Overhang Inputs:

Std	= Overhangs on all sides are the same	= True
OHType	= Type of Roof Wall Intersections	= None

Main Wind Force Resisting System (MWFRS) Calculations per Ch 27 Part 1:



h	= Mean Roof Height above grade	= 211.000 ft

Kh	= 15 ft [4.572 m]< Z <Zg -->(2.01*(Z/zg)^(2/Alpha) {Table 26.10-1}	= 1.223
Kzt	= Topographic Factor is 1 since no Topographic feature specified	= 1.000
Kd	= Wind Directionality Factor per Table 26.6-1	= 0.85
Zg	= Elevation above Sea Level	= 9.590 ft
Ke	= Ground Elevation Factor: Ke = e^-(0.0000362*Zg) {Table 26.9-1}	= 1.000
GCPi	= Ref Table 26.13-1 for Enclosed Building	= +/-0.18
RA	= Roof Area	= 479.75 sq ft
LF	= Load Factor based upon STRENGTH Design	= 1.00
qh	= (0.00256 * Kh * Kzt * Kd * Ke * V^2) * LF	= 36.42 psf
qin	= For Negative Internal Pressure of Enclosed Building use qh*LF	= 36.42 psf
qip	= For Positive Internal Pressure of Enclosed Building use qh*LF	= 36.42 psf

Gust Factor Calculation:

Gust Factor Category I Rigid Structures - Simplified Method		
G1	= For Rigid Structures (Nat. Freq.>1 Hz) use 0.85	= 0.85
Gust Factor Category II Rigid Structures - Complete Analysis		
Zm	= 0.6 * Ht	= 30.000 ft
Izm	= Cc * (33 / Zm) ^ 0.167	= 0.305
Lzm	= L * (Zm / 33) ^ Epsilon	= 309.993
Q	= (1 / (1 + 0.63 * ((B + Ht) / Lzm)^0.63))^0.5	= 0.928
G2	= 0.925*((1+1.7*Izm*3.4*Q)/(1+1.7*3.4*Izm))	= 0.883
Gust Factor Used in Analysis		
G	= Lessor Of G1 Or G2	= 0.850

MWFRS Wind Normal to Ridge (Ref Fig 27.3-1}

h	= Mean Roof Height Of Building	= 16.500 ft
RHt	= Ridge Height Of Roof	= 16.500 ft
B	= Horizontal Dimension Of Building Normal To Wind Direction	= 25.250 ft
L	= Horizontal Dimension Of building Parallel To Wind Direction	= 19.000 ft
L/B	= Ratio Of L/B used For Cp determination	= 0.752
h/L	= Ratio Of h/L used For Cp determination	= 0.868
Slope	= Slope of Roof	= 0.0 Deg
Roof	= **Roof Coeff (0 to h/2) (0.000 ft to 8.250 ft)	= -0.18, -1.07
Roof_1	= Roof Coeff (h/2 to h) (8.250 ft to 16.500 ft)	= -0.18, -0.753
Roof_2	= Roof Coeff (h to 2h) (16.500 ft to 33.000 ft)	= -0.18, -0.647

**Includes Reduction Factor 0.87 For roof area, applied To Cp=-1.3 For h/L>=1 & (0 To h/2)

Cp_WW	= Windward Wall Coefficient (All L/B Values)	= 0.80
Cp_LW	= Leward Wall Coefficient using L/B	= -0.50
Cp_SW	= Side Wall Coefficient (All L/B values)	= -0.70
GCpn_WW	= Parapet Combined Net Pressure Coefficient (Windward Parapet)	= 1.50
GCpn_LW	= Parapet Combined Net Pressure Coefficient (Leeward Parapet)	= -1.00

Wall Wind Pressures based On Positive Internal Pressure (+GCPi) - Normal to Ridge
All wind pressures include a load factor of 1.0

Elev ft	Kz	Kzt	qz psf	GCPi	Windward Press psf	Leeward Press psf	Side Press psf	Total Press psf	Minimum Pressure* psf
16.50	1.223	1.000	36.42	0.18	18.21	-22.04	-28.23	40.25	16.00

Wall Wind Pressures based on Negative Internal Pressure (-GCPi) - Normal to Ridge
All wind pressures include a load factor of 1.0

Elev ft	Kz	Kzt	qz psf	GCPi	Windward Press psf	Leeward Press psf	Side Press psf	Total Press psf	Minimum Pressure* psf
16.50	1.223	1.000	36.42	-0.18	31.32	-8.92	-15.12	40.25	16.00

Notes Wall Pressures:

Kz	= Velocity Press Exp Coeff	Kzt	= Topographical Factor
qz	= 0.00256*Kz*Kzt*Kd*V^2	GCPi	= Internal Press Coefficient
Side	= qh * G * Cp_SW - qip * +GCPi	Windward	= qz * G * Cp_WW - qip * +GCPi
Leeward	= qh * G * Cp_LW - qip * +GCPi	Total	= Windward Press - Leeward Press

* Minimum Pressure: Para 27.1.5 no less than 16.00 psf (Incl LF) applied to Walls
+ Pressures Acting TOWARD Surface - Pressures Acting AWAY from Surface

Roof Wind Pressures for Positive & Negative Internal Pressure (+/- GCPi) - Normal to Ridge
All wind pressures include a load factor of 1.0

Roof Var	Start Dist ft	End Dist ft	Cp_min	Cp_max	GCPi	Pressure Pn_min* psf	Pressure Pp_min* psf	Pressure Pn_max psf	Pressure Pp_max psf
Roof (All)	0.000	8.250	-0.180	-1.070	0.180	0.98	-12.13	-26.56	-39.67
Roof_1 (All)	8.250	16.500	-0.180	-0.753	0.180	0.98	-12.13	-16.75	-29.86
Roof_2 (All)	16.500	33.000	-0.180	-0.647	0.180	0.98	-12.13	-13.49	-26.60

Notes Roof Pressures:
Start Dist = Start Dist from Windward Edge End Dist = End Dist from Windward Edge
Cp_Max = Largest Coefficient Magnitude Cp_Min = Smallest Coefficient Magnitude
Pp_max = qh*G*Cp_max - qip*(+GCPi) Pn_max = qh*G*Cp_max - qin*(-GCpi)
Pp_min* = qh*G*Cp_min - qip*(+GCPi) Pn_min* = qh*G*Cp_min - qin*(-GCPi)
OH = Overhang X = Dir along Ridge Y = Dir Perpendcular to Ridge Z = Vertical
* The smaller uplift pressures due to Cp_Min can become critical when wind is combined with roof live load or snow load; load combinations are given in ASCE 7
+ Pressures Acting TOWARD Surface - Pressures Acting AWAY from Surface

MWFRS Wind Parallel to Ridge (Ref Fig 27.3-1)

h	= Mean Roof Height Of Building	= 16.500 ft
RHt	= Ridge Height Of Roof	= 16.500 ft
B	= Horizontal Dimension Of Building Normal To Wind Direction	= 19.000 ft
L	= Horizontal Dimension Of building Parallel To Wind Direction	= 25.250 ft
L/B	= Ratio Of L/B used For Cp determination	= 1.329
h/L	= Ratio Of h/L used For Cp determination	= 0.653
Slope	= Slope of Roof	= 0.0 Deg
Roof	= **Roof Coeff (0 to h/2) (0.000 ft to 8.250 ft)	= -0.18, -0.971
Roof_1	= Roof Coeff (h/2 to h) (8.250 ft to 16.500 ft)	= -0.18, -0.839
Roof_2	= Roof Coeff (h to 2h) (16.500 ft to 33.000 ft)	= -0.18, -0.561

**Includes Reduction Factor 0.87 For roof area, applied To Cp=-1.3 For h/L>=1 & (0 To h/2)

Cp_WW	= Windward Wall Coefficient (All L/B Values)	= 0.80
Cp_LW	= Leward Wall Coefficient using L/B	= -0.43
Cp_SW	= Side Wall Coefficient (All L/B values)	= -0.70
GCpn_WW	= Parapet Combined Net Pressure Coefficient (Windward Parapet)	= 1.50
GCpn_LW	= Parapet Combined Net Pressure Coefficient (Leeward Parapet)	= -1.00

Wall Wind Pressures based On Positive Internal Pressure (+GCPi) - Parallel to Ridge
All wind pressures include a load factor of 1.0

Elev ft	Kz	Kzt	qz psf	GCPi	Windward Press psf	Leeward Press psf	Side Press psf	Total Press psf	Minimum Pressure* psf
16.50	1.223	1.000	36.42	0.18	18.21	-20.00	-28.23	38.21	16.00

Wall Wind Pressures based on Negative Internal Pressure (-GCPi) - Parallel to Ridge
All wind pressures include a load factor of 1.0

Elev ft	Kz	Kzt	qz psf	GCPi	Windward Press psf	Leeward Press psf	Side Press psf	Total Press psf	Minimum Pressure* psf
16.50	1.223	1.000	36.42	-0.18	31.32	-6.89	-15.12	38.21	16.00

Notes Wall Pressures:
Kz = Velocity Press Exp Coeff Kzt = Topographical Factor
qz = 0.00256*Kz*Kzt*Kd*V^2 GCPi = Internal Press Coefficient
Side = qh * G * Cp_SW - qip * +GCPi Windward = qz * G * Cp_WW - qip * +GCPi
Leeward = qh * G * Cp_LW - qip * +GCPi Total = Windward Press - Leeward Press
* Minimum Pressure: Para 27.1.5 no less than 16.00 psf (Incl LF) applied to Walls
+ Pressures Acting TOWARD Surface - Pressures Acting AWAY from Surface

Roof Wind Pressures for Positive & Negative Internal Pressure (+/- GCPi) - Parallel to Ridge
All wind pressures include a load factor of 1.0

Roof Var	Start Dist ft	End Dist ft	Cp_min	Cp_max	GCPi	Pressure Pn_min* psf	Pressure Pp_min* psf	Pressure Pn_max psf	Pressure Pp_max psf
Roof (All)	0.000	8.250	-0.180	-0.971	0.180	0.98	-12.13	-23.50	-36.61
Roof_1 (All)	8.250	16.500	-0.180	-0.839	0.180	0.98	-12.13	-19.41	-32.52
Roof_2 (All)	16.500	33.000	-0.180	-0.561	0.180	0.98	-12.13	-10.82	-23.94

Notes Roof Pressures:
Start Dist = Start Dist from Windward Edge End Dist = End Dist from Windward Edge
Cp_Max = Largest Coefficient Magnitude Cp_Min = Smallest Coefficient Magnitude
Pp_max = qh*G*Cp_max - qip*(+GCPi) Pn_max = qh*G*Cp_max - qin*(-GCpi)
Pp_min* = qh*G*Cp_min - qip*(+GCPi) Pn_min* = qh*G*Cp_min - qin*(-GCPi)
OH = Overhang X = Dir along Ridge Y = Dir Perpendcular to Ridge Z = Vertical
* The smaller uplift pressures due to Cp_Min can become critical when wind is combined with roof live load or snow load; load combinations are given in ASCE 7
+ Pressures Acting TOWARD Surface - Pressures Acting AWAY from Surface

MecaWind v2333

Calculations Prepared by:
Date: Mar 02, 2021

File Location:
U:\Jeff\2021\N-500 - Stamford CT\Calculations\
300 Tresser Blvd, Stamford, Connecticut (Antenna).wnd

Basic Wind Parameters

Wind Load Standard	= ASCE 7-16	Exposure Category	= B
Wind Design Speed	= 117.0 mph	Risk Category	= II
Structure Type	= Other	Other Structure Type	= Solid Sign

General Wind Settings

Incl_LF	= Include ASD Load Factor of 0.6 in Pressures	= False
DynType	= Dynamic Type of Structure	= Rigid
NF	= Natural Frequency of Structure (Mode 1)	= 1.000 Hz
Zg	= Altitude (Ground Elevation) above Sea Level	= 9.580 ft
Bdist	= Base Elevation of Structure	= 194.500 ft
Reacs	= Show the Base Reactions in the output	= False
MWFRSType	= MWFRS Method Selected	= Ch 27 Pt 1

Topographic Factor per Fig 26.8-1

Topo	= Topographic Feature	= None
Kzt	= Topographic Factor	= 1.000

Solid Sign Inputs

h : Height to Top of Sign	= 16.460 ft	B : Horizontal Width of Sign	= 0.933 ft
Lr : Dimension of return corner	= 0.433 ft	s : Vertical Height of Sign	= 5.917 ft
e : Solidity Ratio	= 1.000	Att: Attached to Wall	= False

Exposure Constants per Table 26.11-1:

Alpha:	Const from Table 26.11-1= 7.000	Zg:	Const from Table 26.11-1= 1200.000 ft
At:	Const from Table 26.11-1= 0.143	Bt:	Const from Table 26.11-1= 0.840
Am:	Const from Table 26.11-1= 0.250	Bm:	Const from Table 26.11-1= 0.450
C:	Const from Table 26.11-1= 0.300	Eps:	Const from Table 26.11-1= 0.333

Gust Factor Calculation:

Gust Factor Category I Rigid Structures - Simplified Method

G1	= For Rigid Structures (Nat. Freq.>1 Hz) use 0.85	= 0.85

Gust Factor Category II Rigid Structures - Complete Analysis

Zm	= 0.6 * Ht	= 30.000 ft
Izm	= Cc * (33 / Zm) ^ 0.167	= 0.305
Lzm	= L * (Zm / 33) ^ Epsilon	= 309.993
Q	= (1 / (1 + 0.63 * ((B + Ht) / Lzm)^0.63))^0.5	= 0.952
G2	= 0.925*((1+1.7*Izm*3.4*Q)/(1+1.7*3.4*Izm))	= 0.897

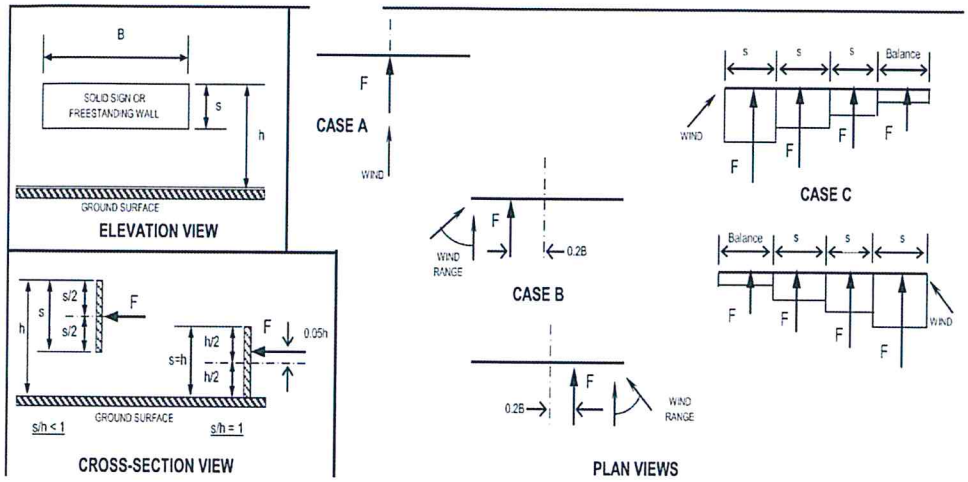
Gust Factor Used in Analysis

G	= Lessor Of G1 Or G2	= 0.850

Main Wind Force Resisting System (MWFRS) Calculations for Solid Sign per Ch 29:

LF	= Load Factor based upon STRENGTH Design	= 1.00
hs	= Overall height of structure	= 16.460 ft
h	= Mean Roof Height above grade	= 210.960 ft
Kh	= 15 ft [4.572 m]< Z <Zg -->(2.01*(Z/zg)^(2/Alpha) {Table 26.10-1}	= 1.223
Kzt	= Topographic Factor is 1 since no Topographic feature specified	= 1.000
Kd	= Wind Directionality Factor per Table 26.6-1	= 0.85
qh	= (0.00256 * Kh * Kzt * Kd * Ke * V^2) * LF	= 36.42 psf

MWFRS Pressures on Solid Sign per Fig 29.3-1:



R	= Reduction factor to account for openings: (1-(1-e)^1.5)	= 1.000
Rc	= Reduction factor for Case C not applicable since s/h <= 0.8	= 1.000
As	= Gross Area of Sign: B * s	= 5.52 sq ft
B/s	= Aspect Ratio: B / s	= 0.158
s/h	= Clearance Ratio: s / h	= 0.359
Cf	= Net Force Coefficient for Case A and B per Fig 29.3-1	= 1.860

Case A: Resultant force acts normal to face through geometric center

F	= Design Wind force: qh * G * Cf * As * R	= 318 lb

Case B: Resultant force acts normal to face at a distance from the geometric center toward the windward edge equal to 0.2 times the average width

Dx	= Force Offset from Center toward windward edge: 0.2 * B	= 0.187 ft
F	= Design Wind force: qh * G * Cf * As * R	= 318 lb

Case C: Since B/s < 2 then Case C need not be considered

Title Block Line 1
You can change this area
using the "Settings" menu item
and then using the "Printing &
Title Block" selection.
Title Block Line 6

Project Title:
Engineer:
Project ID:
Project Descr:

Printed: 5 FEB 2021, 2:10PM

Concrete Slender Wall

File: 300 Tresser Blvd, Stamford, Connecticut.ec6

Lic. # : KW-06000304

PBA ENGINEERING, P.C.

DESCRIPTION: Existing Penthouse Wall

Code References

Calculations per ACI 318-11 Sec 14.8, IBC 2012, CBC 2013, ASCE 7-10
Load Combinations Used : ASCE 7-16

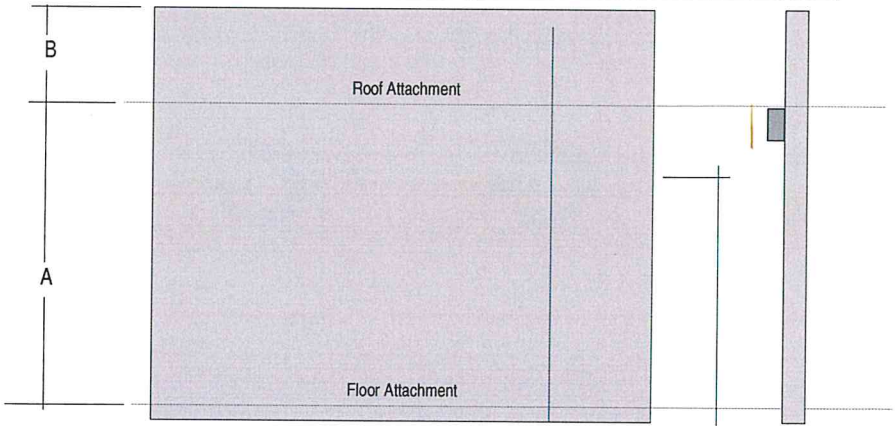
General Information

f'c : Concrete 28 day strength	=	3.0 ksi	Wall Thickness		8.0 in	Temp Diff across thickness	= deg F
Fy : Rebar Yield	=	60.0 ksi	Rebar at wall center			Min Allow Out-of-Plane Defl Ratio	= L/ 0.0
Ec : Concrete Elastic Modulus	=	3,123.33 ksi	Rebar "d" distance		4.0 in		
λ : Lt Wt Conc Factor	=	1.0	Lower Level Rebar . . .			Min allow As/bd	= 0.00120
Fr : Rupture Modulus	=	410.792 psi	Bar Size	#	5	Using Stiff. Reduction Factor per ACI R.10.12.3	
Max Allow As/bd	=	0.01355	Bar Spacing		10 in		
Max Pu/Ag = f'c *	=	0.060					
Concrete Density	=	144.0 pcf					
Width of Design Strip	=	12.0 in					

One-Story Wall Dimensions

A Clear Height = 16.50 ft
B Parapet height = ft

Wall Support Condition Top & Bottom Pinned



Lateral Loads

Wind Loads :
Full area WIND load 48.730 psf

Seismic Loads :
Wall Weight Seismic Load Input Method : Direct entry of Lateral Wall Weight
Seismic Wall Lateral Load psf

Fp 1.0 = 0.0 psf

	D	Lr	L	E	W	Height
Point Lateral Load					0.194 k	15 ft
Point Lateral Load					0.195 k	12 ft

(Applied to full "STRIP Width")

Title Block Line 1
You can change this area
using the "Settings" menu item
and then using the "Printing &
Title Block" selection.
Title Block Line 6

Project Title:
Engineer:
Project ID:
Project Descr:

Printed: 5 FEB 2021, 2:10PM

Concrete Slender Wall

File: 300 Tresser Blvd, Stamford, Connecticut.ec6

Lic. # : KW-06000304

PBA ENGINEERING, P.C.

DESCRIPTION: Existing Penthouse Wall

DESIGN SUMMARY

Results reported for "Strip Width" of 12.0 in

	Governing Load Combination . . .	Actual Values . . .		Allowable Values . . .	
PASS	Moment Capacity Check	Maximum Bending Stress Ratio =	**0.3791**		
	+1.20D+W	Max Mu	2.383 k-ft	Phi * Mn	6.287 k-ft
PASS	Service Deflection Check	Actual Defl. Ratio L/	152	Allowable Defl. Ratio	150.0
	W Only	Max. Deflection	1.304 in		
PASS	Axial Load Check	Max Pu / Ag	8.580 psi	Max. Allow. Defl.	1.320 in
	+1.20D+W	Location	9.625 ft	0.06 * f'c	180.0 psi
PASS	Reinforcing Limit Check				
		Actual As/bd	0.007750	Max Allow As/bd	0.01355

Maximum Reactions . . . *for Load Combination....*

Top Horizontal	W Only	0.7202 k
Base Horizontal	W Only	0.4728 k
Vertical Reaction	+D+0.60W	1.584 k

Design Maximum Combinations - Moments

Results reported for "Strip Width" = 12 in.

Load Combination	Axial Load Pu k	0.06*f'c*b*t k	Moment Values Mcr k-ft	Mu k-ft	Phi	Phi Mn k-ft	As in^2	As Ratio	0.6 * rho bal
	0.000	0.000	0.00	0.00	0.00	0.00	0.000	0.0000	0.0000
	0.000	0.000	0.00	0.00	0.00	0.00	0.000	0.0000	0.0000
+1.20D+0.50W at 9.35 to 9.90	0.824	17.280	4.38	1.19	0.90	6.29	0.372	0.0078	0.0135
+1.20D+W at 9.35 to 9.90	0.824	17.280	4.38	2.38	0.90	6.29	0.372	0.0078	0.0135
+0.90D+W at 9.35 to 9.90	0.618	17.280	4.38	2.36	0.90	6.24	0.372	0.0078	0.0135
	0.000	0.000	0.00	0.00	0.00	0.00	0.000	0.0000	0.0000
	0.000	0.000	0.00	0.00	0.00	0.00	0.000	0.0000	0.0000

Design Maximum Combinations - Deflections

Results reported for "Strip Width" = 12 in.

Load Combination	Axial Load Pu k	Moment Values Mcr k-ft	Mactual k-ft	Stiffness I gross in^4	I cracked in^4	I effective in^4	Deflections Deflection in	Defl. Ratio
	0.000	0.00	0.00	0.00	0.00	0.000	0.000	0.0
+D+0.60W at 8.25 to 8.80	0.792	4.38	1.41	512.00	38.01	38.013	0.789	251.0
+D+0.450W at 8.25 to 8.80	0.792	4.38	1.05	512.00	38.01	38.013	0.592	334.7
+0.60D+0.60W at 8.25 to 8.80	0.475	4.38	1.38	512.00	37.61	37.613	0.786	251.8
	0.000	0.00	0.00	0.00	0.00	0.000	0.000	0.0
	0.000	0.00	0.00	0.00	0.00	0.000	0.000	0.0
	0.000	0.00	0.00	0.00	0.00	0.000	0.000	0.0
W Only at 8.25 to 8.80	0.000	4.38	2.26	512.00	36.99	36.994	1.304	151.8
	0.000	0.00	0.00	0.00	0.00	0.000	0.000	0.0

Reactions - Vertical & Horizontal

Load Combination	Base Horizontal	Top Horizontal	Vertical @ Wall Base
D Only	0.0 k	0.00 k	1.584 k
+D+0.60W	0.3 k	0.44 k	1.584 k
+D+0.450W	0.2 k	0.33 k	1.584 k
+0.60D+0.60W	0.3 k	0.43 k	0.950 k
+D+0.70E	0.0 k	0.00 k	1.584 k
+D+0.5250E	0.0 k	0.00 k	1.584 k
+0.60D+0.70E	0.0 k	0.00 k	0.950 k
W Only	0.5 k	0.72 k	0.000 k

Concrete Slender Wall

DESCRIPTION: Existing Penthouse Wall

E Only	0.0 k	0.00 k	0.000 k

Maser Consulting Connecticut
2000 Midlantic Drive, Suite 100
Mt. Laurel, NJ 08054
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Antenna Mount Analysis Report and PMI Requirements

Mount Analysis

SMART Tool Project #: 10016481
Maser Consulting Connecticut Project #: 20777202A

December 7, 2020

Site Information	*Site ID:*	*467439-VZW / STAMFORD CT*
	Site Name:	*STAMFORD CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*300 Tresser Blvd.* *Stamford, Connecticut 06901* *Fairfield County*
	Latitude:	*41.053152°*
	Longitude:	*-73.533456°*
Structure Information	*Tower Type:*	*192.5-Ft Rooftop*
	Mount Type:	*(13) Wall Mount*

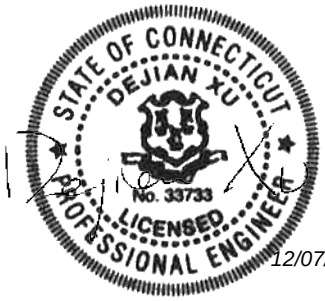
FUZE ID # 16234470

Analysis Results

Wall Mount: **71.3% 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



12/07/2020

Executive Summary:

The objective of this report is to determine the capacity of the antenna support mount at the subject facility for the final wireless telecommunications configuration, per the applicable codes and standards. Any modification listed under Sources of Information was assumed completed and was included in this analysis.

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: 324905, dated November 24, 2020*
Mount Mapping Report	*Tower Engineering Professionals, Site ID: 467439 dated November 05, 2020*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	117 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	1.00
Seismic Parameters:	S_S:	0.260
	S_1:	0.058
Maintenance Parameters:	Wind Speed (3-sec. Gust):	N/A
	Maintenance Live Load, Lv:	N/A
	Maintenance Live Load, Lm:	N/A
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
206.00	212.00	4	Samsung	nL-Sub6 Antenna	Added
		8	ANDREW	JAHH-65C-R3B-V2	Retained
206.00	205.00	3	ANTEL	BXA-70063-6CF	
		4	Samsung	B2/B66A RRH-BR049	
		4	Samsung	B5/B13 RRH-BR04C	
		4	Commscope	CBC78T-DS-43-2X	
		4	Raycap	RHSDC-3315-PF-48*	

*Equipment to be flush mounted directly to the Penthouse. They are not mounted on wall mounts are not included in this mount analysis.

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 — ASTM A36 (Gr. 36)

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
Mount Pipe	*71.3%*	*Pass*
Threaded Rod	*42.9%*	*Pass*
Wall Bracket	*40.3%*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**71.3%**

Construction of supporting structure could not be confirmed. The final desired loading configuration results in factored loads as shown in the table below.

We recommend the supporting structure EOR utilize these values to determine the adequacy of the connection and supporting structure. Alternatively, Maser Consulting can evaluate the connection capacity if additional information regarding the supporting structure construction is provided.

Component	Shear – Fx (lbs)	Shear – Fy (lbs)	Tension – Fz (lbs)	Mx (lb-ft)	My (lb-ft)	Mz (lb-ft)
Wall Mount (Alpha – Pos. 3) - Top	*373.6*	*185.0*	*1418.7*	*0.0*	*512.5*	*7.8*
Wall Mount (Alpha – Pos. 3) - Bottom	*105.9*	*181.1*	*1189.8*	*0.0*	*109.8*	*2.2*
Wall Mount (Delta – Pos. 2) - Top	*432.4*	*296.8*	*1968.9*	*0.0*	*412.5*	*9.0*
Wall Mount (Delta – Pos. 2) - Bottom	*128.1*	*293.5*	*1908.7*	*0.0*	*126.7*	*2.7*

Recommendation:

The existing mounts are **SUFFICIENT** for the final loading configuration and do not require modifications.

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:

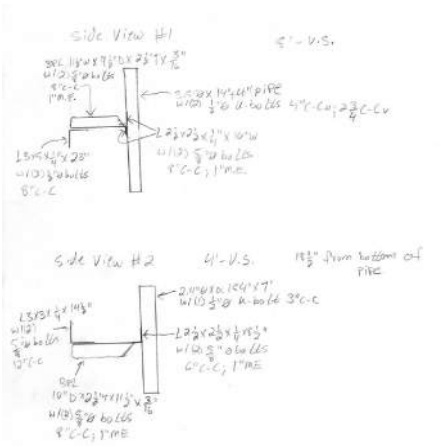
1. Mount Photos
2. Mount Mapping Report (for reference only)
3. Analysis Calculations
4. **Contractor Required Post Installation Inspection (PMI) Report Deliverables**
5. Antenna Placement Diagrams
6. TIA Adoption and Wind Speed Usage Letter

V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	Unknown	**Mapping Date:**	11/5/2020
Site Name:	Stamford CT	**Tower Type:**	Other
Site Number or ID:	467439	**Tower Height (Ft.):**	196 (t/parapet)
Mapping Contractor:	TEP	**Mount Elevation (Ft.):**	206



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	3.5"Øx0.216"x14'-4"	165.00	0.00	C1	3.5"Øx0.216"x16'-0"	178.00	183.00
A2	3.5"Øx0.216"x14'-4"	165.00	0.00	C2	3.5"Øx0.216"x16'-0"	178.00	183.00
A3	2.4"Øx0.154"x7'-0"	64.00	129.00	C3			
A4				C4			
A5				C5			
A6				C6			
B1	3.5"Øx0.216"x16'-0"	178.00	265.00	D1	3.5"Øx0.216"x16'-0"	178.00	121.00
B2	3.5"Øx0.216"x16'-0"	178.00	265.00	D2	3.5"Øx0.216"x16'-0"	178.00	121.00
B3	2.4"Øx0.154"x7'-0"	64.00	24.00	D3	2.4"Øx0.154"x7'-0"	64.00	16.00
B4				D4			
B5				D5			
B6				D6			

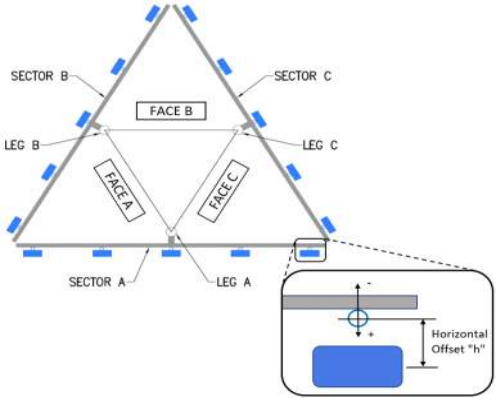
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	48.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	

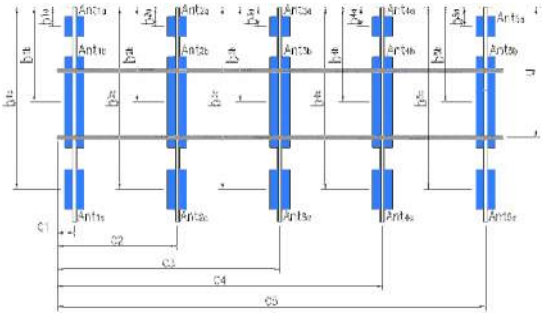
Please enter additional infomation or comments below.

Penthouse: 18'-8"x26'-2"

(2) Empty Pipes: 2.4"Øx0.154"x7'

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



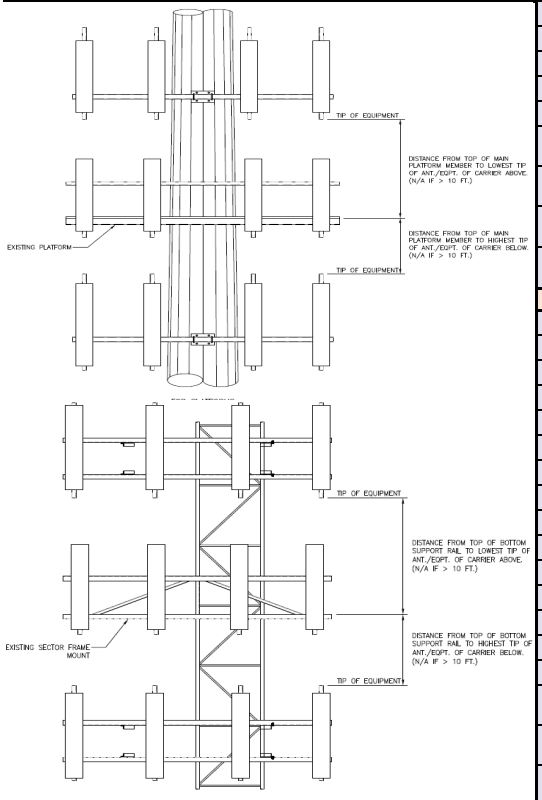


Antenna Layout (Looking Out From Tower)

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}	(4) E14F05P50	6.93	9.65	6.38		207.417	100.00	3.00		19-21
Ant_{1b}	(2) JAHH-65C-R3B	13.78	8.19	95.98	) 1-5/8" F	211.333	53.00	15.00	35.00	17-18
Ant_{1c}										
Ant_{2a}	RFV01U-D1A	15.00	10.00	15.00		212.083	44.00	7.50		55
Ant_{2b}	RFV01U-D2A	15.00	8.20	15.00		212.083	44.00	7.50		51
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	RHSDC-3315-PF-48	15.73	10.30	28.93	-1/2"Ø HY	207.333				57
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	BXA70063-6CF-EDIN-	11.30	6.00	71.00	.) 1-5/8" F	199.167	34.00	11.00	45.00	84
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	RHSDC-3315-PF-48	15.73	10.30	28.93	-1/2"Ø HY	202				89
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	45.00	Deg	Leg A:		Deg
Sector B:	135.00	Deg	Leg B:		Deg
Sector C:	180.00	Deg	Leg C:		Deg
Sector D:	270.00	Deg	Leg D:		Deg

Climbing Facility Information		
Location:		Deg
Climbing Facility	Corrosion Type:	
	Access:	
	Condition:	



Sector B										
Ant_{1a}										
Ant_{1b}	RFV01U-D1A	15.00	10.00	15.00		213.167	44.00	7.50		91
Ant_{1c}	RFV01U-D2A	15.00	8.20	15.00		213.167	44.00	7.50		96
Ant_{2a}	(4) E14F05P50	6.93	9.65	6.38		208.333	102.00	3.00		101-102
Ant_{2b}	(2) JAHH-65C-R3B	13.78	8.19	95.98	) 1-5/8" F	212.417	53.00	15.00	110.00	98-100
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	BXA70063-6CF	11.30	6.00	71.00	.) 1-5/8" F	204.5	34.00	11.00	140.00	124
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	RHSDC-3315-PF-48	15.73	10.30	28.93	-1/2"Ø HY	202				130
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}	(4) E14F05P50	6.93	9.65	6.38		208.333	102.00	3.00		147-148
Ant_{1b}	(2) JAHH-65C-R3B	13.78	8.19	95.98	) 1-5/8" F	212.417	53.00	15.00	225.00	145-146
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	RFV01U-D1A	15.00	10.00	15.00		213.167	44.00	7.50		133
Ant_{2c}	RFV01U-D2A	15.00	8.20	15.00		213.167	44.00	7.50		136
Ant_{3a}										
Ant_{3b}	RHSDC-3315-PF-48	15.73	10.30	28.93	-1/2"Ø HY	202				158
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}	(4) E14F05P50	6.93	9.65	6.38	1) 7/8" FH	208.333	102.00	3.00		155-156
Ant_{1b}	(2) JAHH-65C-R3B	13.78	8.19	95.98	) 1-5/8" F	212.417	53.00	15.00	315.00	153-154
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	RFV01U-D1A	15.00	10.00	15.00		213.167	44.00	7.50		161
Ant_{2c}	RFV01U-D2A	15.00	8.20	15.00		213.167	44.00	7.50		163
Ant_{3a}										
Ant_{3b}	RHSDC-3315-PF-48	15.73	10.30	28.93	-1/2"Ø HY	207.333				165
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	BXA70063-6CF	11.30	6.00	71.00	.) 1-5/8" F	199.167	34.00	11.00	315.00	167
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.

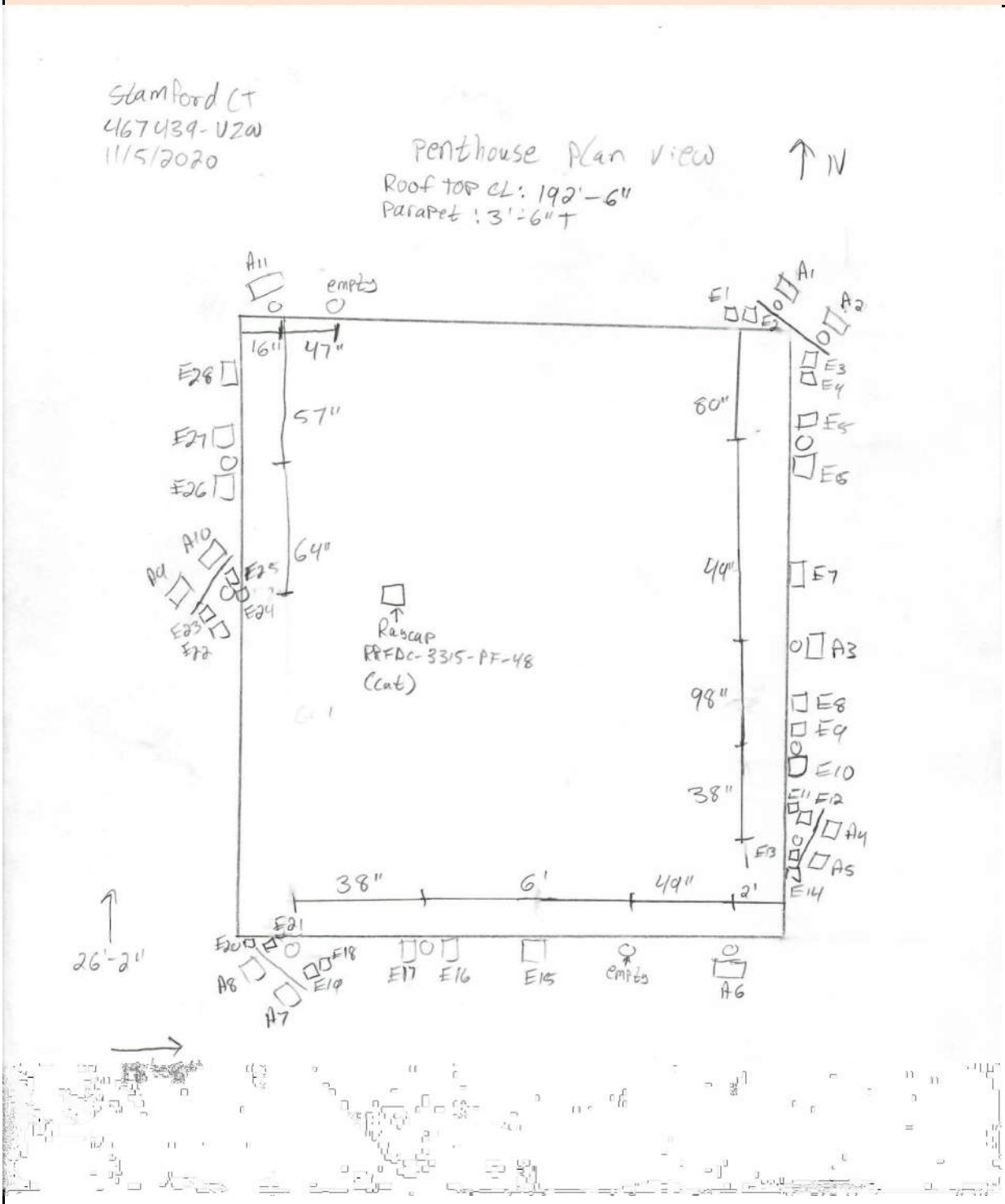
V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	Unknown	**Mapping Date:**	11/5/2020
Site Name:	Stamford CT	**Tower Type:**	Other
Site Number or ID:	467439	**Tower Height (Ft.):**	196 (t/parapet)
Mapping Contractor:	TEP	**Mount Elevation (Ft.):**	206

Please Insert Sketches of the Antenna Mount

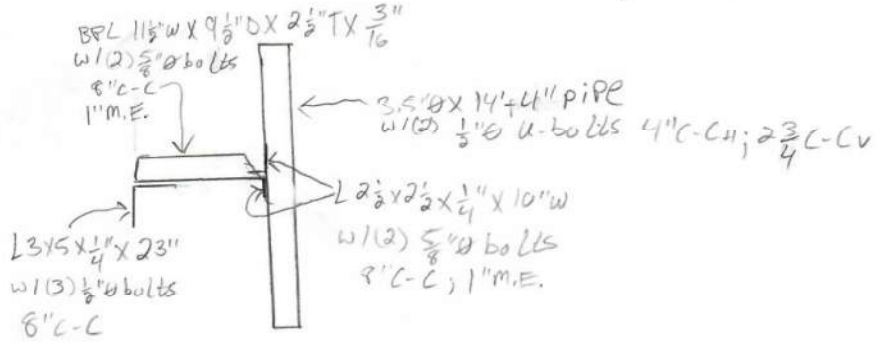


Please Insert Sketches of the Antenna Mount, cont'd

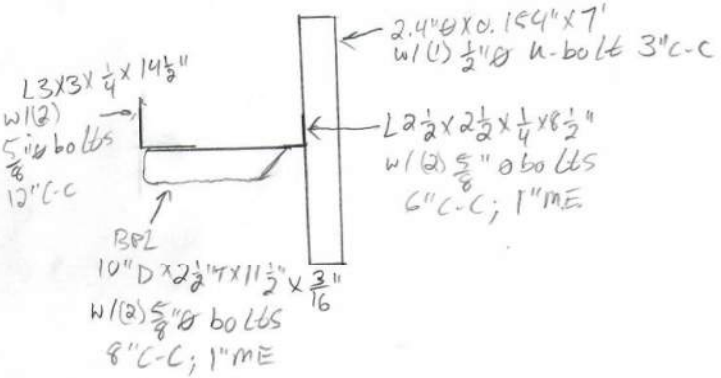
	model #	M.P/location	a	b	H	CL	AZ
A1	JAHH-65C-R3B	3.5"Ø X 14'-4"	165	53	15	209'-6"	35°
A2	JAHH-65C-R3B	3.5"Ø X 14'-4"	165	53	15	209'-6"	35°
E1	CbC78T-DS-43-2X	behind A1/A2	–	100"	3"	205'-6"	–
E2	CbC78T-DS-43-2X	↓	–	100"	3"	↓	–
E3	CbC78T-DS-43-2X		–	100"	3"		–
E4	CbC78T-DS-43-2X		–	100"	3"		–
E5	RFV01U-D2A	2.4"Ø X 7'	64"	44"	7½"	205'-6"	–
E6	RFV01U-D2A	2.4"Ø X 7'	64"	44"	7½"	205'-6"	–
E7	RHSDC-3315-PF-48	Direct MNT	–	–	–	208'	–
A3	BXA70063-6CF	2.4"Ø X 7'	64"	34"	11"	206'	45°
E8	RHSDC-3315-PF-48	Direct MNT	–	–	–	208'	–
E9	RFV01U-D2A	2.4"Ø X 7'	64"	44	7½	205'-6"	–
E10	RFV01U-D2A	2.4"Ø X 7'	64"	44	7½	205'-6"	–
A4	JAHH-65C-R3B	3.5"Ø X 16'	178"	53	15	209'-6"	110°
A5	JAHH-65C-R3B	3.5"Ø X 16'	178"	53	15	209'-6"	110°
E11-14	CbC78T-DS-43-2X	behind A4/A5	–	102"	3"	205'-6"	–
A6	BXA70063-6CF	2.4"Ø X 7'	64"	34"	11"	206'	140°
Empty	–	2.4"Ø X 7'	64"	–	–	–	–
E15	RHSDC-3315-PF-48	Direct MNT	–	–	–	208'	–
E16-E17	RFV01U-D2A	2.4"Ø 7'	64	44	7½	205'-6"	–
A7-A9	JAHH-65C-R3B	3.5"Ø X 16'	178	53	15	209'-6"	180°
E18-21	CbC78T-DS-43-2X	behind A7/8	–	102"	3"	205'-6"	–
A9-A10	JAHH-65C-R3B	3.5"Ø X 16'	178	53	15	209'-6"	250°
E22-25	CBC78T-DS-43-2X	behind A9/A10	–	102"	3"	205'-6"	–
E27-26	RFV01U-D2A	2.4"Ø X 7'	64	44	7½	205'-6"	–
E28	RHSDC-3315-PF-48	Direct MNT	–	–	–	208'	–
A11	BXA70063-6CF	2.4"Ø X 7'	64	34	11	206'	250°

Please Insert Sketches of the Antenna Mount, cont'd

Side View #1 8'-V.S.



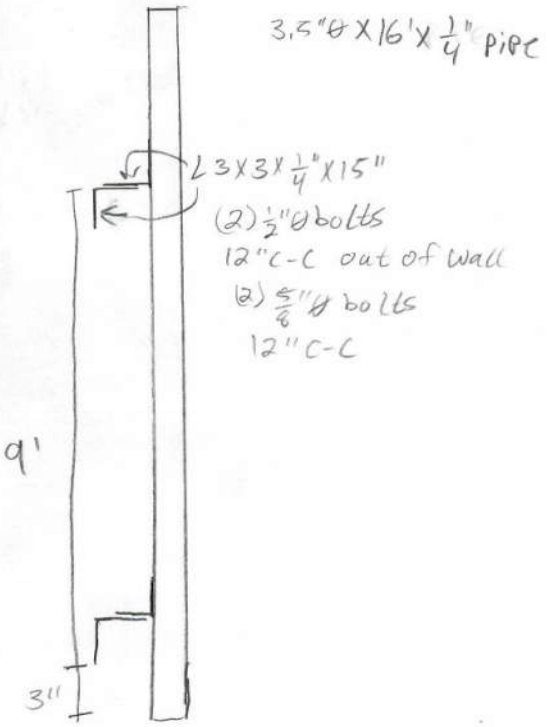
Side View #2 4'-V.S. 18½" from bottom of pipe



Please Insert Sketches of the Antenna Mount, cont'd

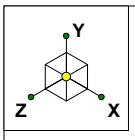
Side View #3

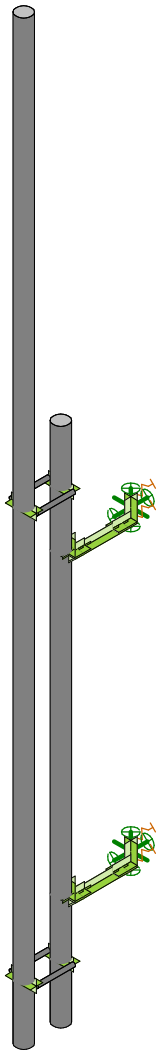
Penthouse
16'-6" T

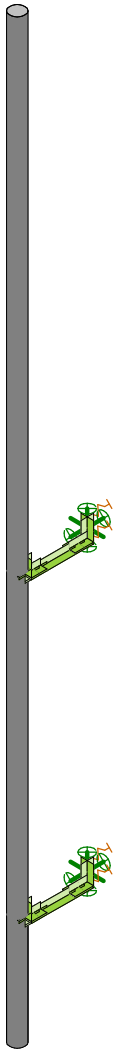


Coax

(1) 7/8 FH
(3) 1 1/2"ø Hybrid
(12) 1 5/8 FH cut
(3) 1 5/8 FH

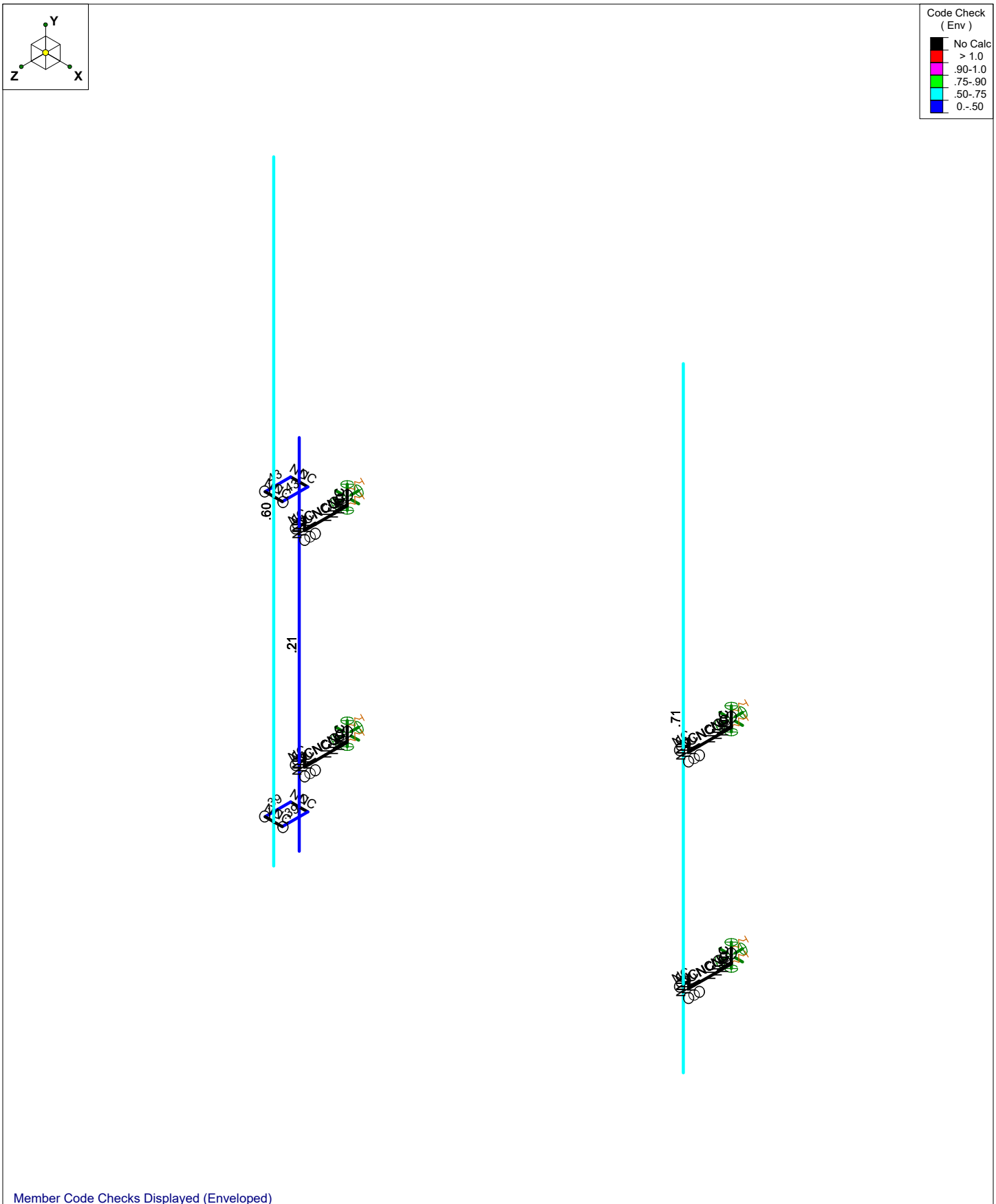






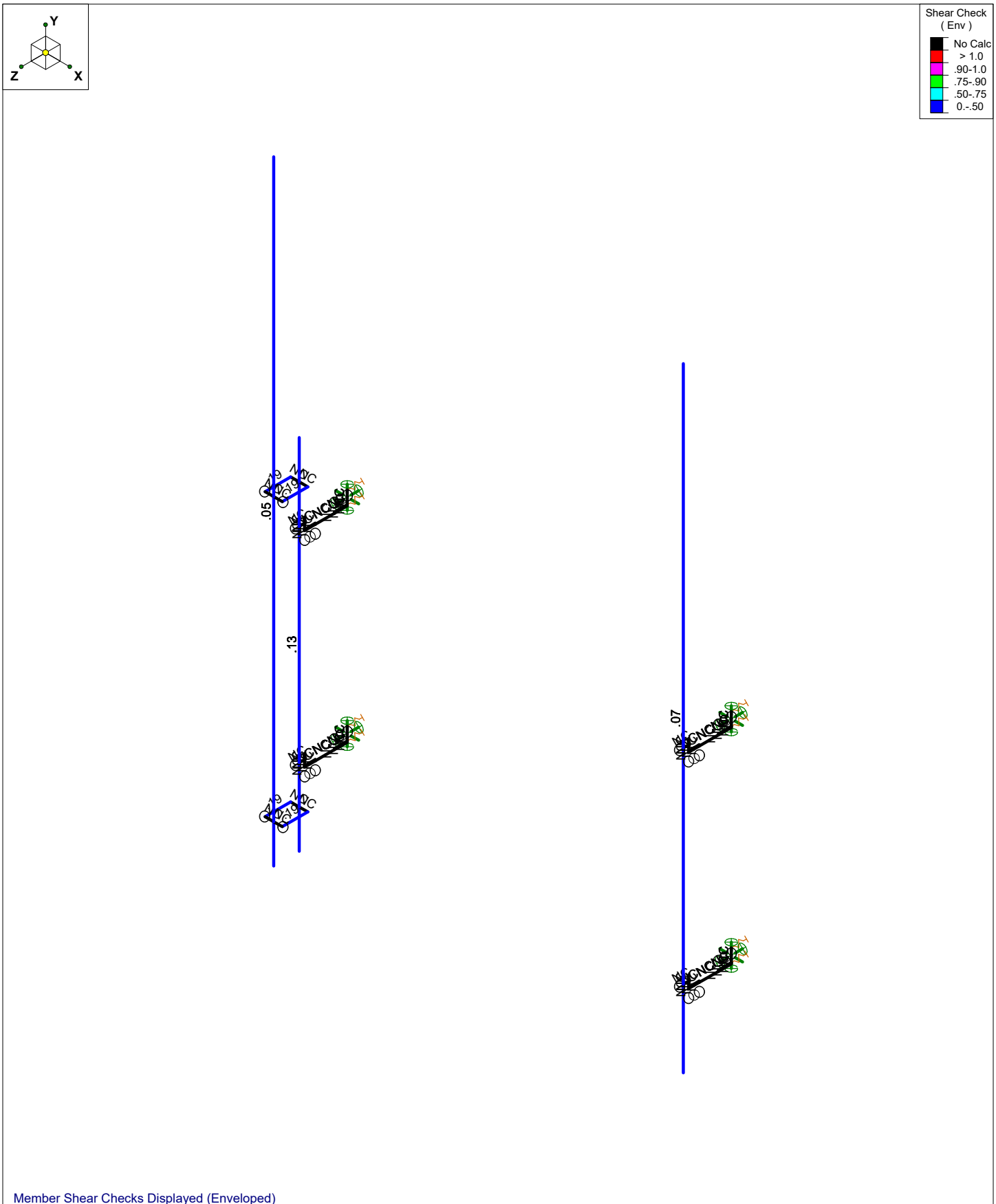
Envelope Only Solution

Maser Consulting	Antenna Mount Analysis	SK - 3
		Dec 3, 2020 at 8:04 PM
Project # 20777202A		467439-VZW_MT_LOT_A_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	Antenna Mount Analysis	SK - 1
		Dec 3, 2020 at 8:43 PM
Project # 20777202A		467439-VZW_MT_LOT_A_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	Antenna Mount Analysis	SK - 2
		Dec 3, 2020 at 8:44 PM
Project # 20777202A		467439-VZW_MT_LOT_A_H.r3d

Basic Load Cases

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

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Member)	Surface(...
52	Structure Wo (330 ...	None						14		
53	Structure Wi (0 Deg)	None						14		
54	Structure Wi (30 D...	None						14		
55	Structure Wi (60 D...	None						14		
56	Structure Wi (90 D...	None						14		
57	Structure Wi (120 ...	None						14		
58	Structure Wi (150 ...	None						14		
59	Structure Wi (180 ...	None						14		
60	Structure Wi (210 ...	None						14		
61	Structure Wi (240 ...	None						14		
62	Structure Wi (270 ...	None						14		
63	Structure Wi (300 ...	None						14		
64	Structure Wi (330 ...	None						14		
65	Structure Wm (0 D...	None						14		
66	Structure Wm (30 ...	None						14		
67	Structure Wm (60 ...	None						14		
68	Structure Wm (90 ...	None						14		
69	Structure Wm (120...	None						14		
70	Structure Wm (150...	None						14		
71	Structure Wm (180...	None						14		
72	Structure Wm (210...	None						14		
73	Structure Wm (240...	None						14		
74	Structure Wm (270...	None						14		
75	Structure Wm (300...	None						14		
76	Structure Wm (330...	None						14		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			

Load Combinations

	Description	So...	P...	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
1	1.2D+1.0Wo (0 Deg)	Yes	Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0Wo (30 D..	Yes	Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0Wo (60 D..	Yes	Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0Wo (90 D..	Yes	Y		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0Wo (120 ...	Yes	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0Wo (150 ...	Yes	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0Wo (180 ...	Yes	Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0Wo (210 ...	Yes	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0Wo (240 ...	Yes	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0Wo (270 ...	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0Wo (300 ...	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0Wo (330 ...	Yes	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								

Load Combinations (Continued)

	Description	So...	P...	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
19	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1										
20	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1										
21	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1										
22	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1										
23	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1										
24	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1										
25	1.2D + 1.5Lm1 + 1...		Y		1	1.2	39	1.2	77	1.5	27	1	65	1												
26	1.2D + 1.5Lm1 + 1...		Y		1	1.2	39	1.2	77	1.5	28	1	66	1												
27	1.2D + 1.5Lm1 + 1...		Y		1	1.2	39	1.2	77	1.5	29	1	67	1												
28	1.2D + 1.5Lm1 + 1...		Y		1	1.2	39	1.2	77	1.5	30	1	68	1												
29	1.2D + 1.5Lm1 + 1...		Y		1	1.2	39	1.2	77	1.5	31	1	69	1												
30	1.2D + 1.5Lm1 + 1...		Y		1	1.2	39	1.2	77	1.5	32	1	70	1												
31	1.2D + 1.5Lm1 + 1...		Y		1	1.2	39	1.2	77	1.5	33	1	71	1												
32	1.2D + 1.5Lm1 + 1...		Y		1	1.2	39	1.2	77	1.5	34	1	72	1												
33	1.2D + 1.5Lm1 + 1...		Y		1	1.2	39	1.2	77	1.5	35	1	73	1												
34	1.2D + 1.5Lm1 + 1...		Y		1	1.2	39	1.2	77	1.5	36	1	74	1												
35	1.2D + 1.5Lm1 + 1...		Y		1	1.2	39	1.2	77	1.5	37	1	75	1												
36	1.2D + 1.5Lm1 + 1...		Y		1	1.2	39	1.2	77	1.5	38	1	76	1												
37	1.2D + 1.5Lm2 + 1...		Y		1	1.2	39	1.2	78	1.5	27	1	65	1												
38	1.2D + 1.5Lm2 + 1...		Y		1	1.2	39	1.2	78	1.5	28	1	66	1												
39	1.2D + 1.5Lm2 + 1...		Y		1	1.2	39	1.2	78	1.5	29	1	67	1												
40	1.2D + 1.5Lm2 + 1...		Y		1	1.2	39	1.2	78	1.5	30	1	68	1												
41	1.2D + 1.5Lm2 + 1...		Y		1	1.2	39	1.2	78	1.5	31	1	69	1												
42	1.2D + 1.5Lm2 + 1...		Y		1	1.2	39	1.2	78	1.5	32	1	70	1												
43	1.2D + 1.5Lm2 + 1...		Y		1	1.2	39	1.2	78	1.5	33	1	71	1												
44	1.2D + 1.5Lm2 + 1...		Y		1	1.2	39	1.2	78	1.5	34	1	72	1												
45	1.2D + 1.5Lm2 + 1...		Y		1	1.2	39	1.2	78	1.5	35	1	73	1												
46	1.2D + 1.5Lm2 + 1...		Y		1	1.2	39	1.2	78	1.5	36	1	74	1												
47	1.2D + 1.5Lm2 + 1...		Y		1	1.2	39	1.2	78	1.5	37	1	75	1												
48	1.2D + 1.5Lm2 + 1...		Y		1	1.2	39	1.2	78	1.5	38	1	76	1												
49	1.2D + 1.5Lv1		Y		1	1.2	39	1.2	79	1.5																
50	1.2D + 1.5Lv2		Y		1	1.2	39	1.2	80	1.5																
51	1.4D	Yes	Y		1	1.4	39	1.4																		
52	Seismic Mass		Y		1	1	39	1																		
53	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1												
54	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.866												
55	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5												
56	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX	1	SY	1	SZ													
57	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5												
58	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866												
59	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX		SY	1	SZ	1												
60	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866												
61	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	.5												
62	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ													
63	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	-.5												
64	1.2D + 1.0Ev + 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	N49	5.833333	2	-0.0625	0	
2	N50	5.833333	14	-0.0625	0	
3	N51	5.833333	7.5	-0.0625	0	
4	N53	5.833333	7.5	-0.166667	0	
5	N59	5.833333	7.604167	-0.166667	0	
6	N60	5.833333	7.395833	-0.166667	0	
7	N61	5.833333	7.395833	-0.270833	0	
8	N62	5.833333	7.395833	-.375	0	
9	N63	5.833333	7.375	-0.270833	0	
10	N64	5.833333	7.375	-.375	0	
11	N65	5.833333	7.375	-.875	0	
12	N66	5.833333	7.375	-.75	0	
13	N72	5.833333	7.375	-1	0	
14	N73	5.833333	7.375	-0.166667	0	
15	N74	5.833333	7.645833	-1	0	
16	N75	5.833333	7.520833	-1	0	
17	N76	5.833333	7.395833	-1	0	
18	N77	5.833333	7.395833	-.875	0	
19	N78	5.833333	7.395833	-.75	0	
20	N68	5.833333	3.5	-0.0625	0	
21	N69	5.833333	3.5	-0.166667	0	
22	N70	5.833333	3.604167	-0.166667	0	
23	N71	5.833333	3.395833	-0.166667	0	
24	N72A	5.833333	3.395833	-0.270833	0	
25	N73A	5.833333	3.395833	-.375	0	
26	N74A	5.833333	3.375	-0.270833	0	
27	N75A	5.833333	3.375	-.375	0	
28	N76A	5.833333	3.375	-.875	0	
29	N77A	5.833333	3.375	-.75	0	
30	N78A	5.833333	3.375	-1	0	
31	N79	5.833333	3.375	-0.166667	0	
32	N80	5.833333	3.645833	-1	0	
33	N81	5.833333	3.520833	-1	0	
34	N82	5.833333	3.395833	-1	0	
35	N83	5.833333	3.395833	-.875	0	
36	N84	5.833333	3.395833	-.75	0	
37	N37	-1.666667	2	-0.0625	0	
38	N38	-1.666667	9	-0.0625	0	
39	N39	-1.666667	7.5	-0.0625	0	
40	N40	-1.666667	7.5	-0.166667	0	
41	N41	-1.666667	7.604167	-0.166667	0	
42	N42	-1.666667	7.395833	-0.166667	0	
43	N43	-1.666667	7.395833	-0.270833	0	
44	N44	-1.666667	7.395833	-.375	0	
45	N45	-1.666667	7.375	-0.270833	0	
46	N46	-1.666667	7.375	-.375	0	
47	N47	-1.666667	7.375	-.875	0	
48	N48	-1.666667	7.375	-.75	0	
49	N49A	-1.666667	7.375	-1	0	
50	N50A	-1.666667	7.375	-0.166667	0	
51	N51A	-1.666667	7.645833	-1	0	
52	N52	-1.666667	7.520833	-1	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
53	N53A	-1.666667	7.395833	-1	0	
54	N54	-1.666667	7.395833	-.875	0	
55	N55	-1.666667	7.395833	-.75	0	
56	N56	-1.666667	3.5	-0.0625	0	
57	N57	-1.666667	3.5	-0.166667	0	
58	N58	-1.666667	3.604167	-0.166667	0	
59	N59A	-1.666667	3.395833	-0.166667	0	
60	N60A	-1.666667	3.395833	-0.270833	0	
61	N61A	-1.666667	3.395833	-.375	0	
62	N62A	-1.666667	3.375	-0.270833	0	
63	N63A	-1.666667	3.375	-.375	0	
64	N64A	-1.666667	3.375	-.875	0	
65	N65A	-1.666667	3.375	-.75	0	
66	N66A	-1.666667	3.375	-1	0	
67	N67	-1.666667	3.375	-0.166667	0	
68	N68A	-1.666667	3.645833	-1	0	
69	N69A	-1.666667	3.520833	-1	0	
70	N70A	-1.666667	3.395833	-1	0	
71	N71A	-1.666667	3.395833	-.875	0	
72	N72B	-1.666667	3.395833	-.75	0	
73	N73B	-1.666667	8.25	-0.0625	0	
74	N74B	-1.5	8.25	-0.0625	0	
75	N75B	-1.833333	8.25	-0.0625	0	
76	N76B	-1.5	8.25	0.4375	0	
77	N77B	-1.833333	8.25	0.4375	0	
78	N78B	-1.666667	2	0.4375	0	
79	N79A	-1.666667	14	0.4375	0	
80	N80A	-1.666667	8.25	0.4375	0	
81	N81A	-1.666667	2.75	-0.0625	0	
82	N82A	-1.5	2.75	-0.0625	0	
83	N83A	-1.833333	2.75	-0.0625	0	
84	N84A	-1.5	2.75	0.4375	0	
85	N85	-1.833333	2.75	0.4375	0	
86	N86	-1.666667	2.75	0.4375	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Mount Pipe	PIPE_2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
2	Threaded Rod	SR_0.625	Beam	BAR	A36 Gr.36	Typical	.307	.007	.007	.015

Hot Rolled Steel Properties

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

Hot Rolled Steel Properties (Continued)

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E..	Density[k/ft...	Yield[ksi]	Ry	Fu[ksi]	Rt
8	A500 Gr. B 42	29000	11154	.3	.65	.49	42	1.4	58	1.3
9	A500 Gr. B 46	29000	11154	.3	.65	.49	46	1.4	58	1.3
10	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	MP1A	N50	N49			Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
2	M39	N51	N53			RIGID	None	None	RIGID	Typical
3	M41	N59	N60		90	RIGID	None	None	RIGID	Typical
4	M42	N60	N62			RIGID	None	None	RIGID	Typical
5	M49	N73	N72			RIGID	None	None	RIGID	Typical
6	M51	N73	N60			RIGID	None	None	RIGID	Typical
7	M53	N64	N62			RIGID	None	None	RIGID	Typical
8	M55	N63	N61			RIGID	None	None	RIGID	Typical
9	M57	N74	N76		90	RIGID	None	None	RIGID	Typical
10	M58	N66	N78			RIGID	None	None	RIGID	Typical
11	M59	N65	N77			RIGID	None	None	RIGID	Typical
12	M60	N72	N76			RIGID	None	None	RIGID	Typical
13	M61	N78	N76			RIGID	None	None	RIGID	Typical
14	M51A	N68	N69			RIGID	None	None	RIGID	Typical
15	M52	N70	N71		90	RIGID	None	None	RIGID	Typical
16	M53A	N71	N73A			RIGID	None	None	RIGID	Typical
17	M54	N79	N78A			RIGID	None	None	RIGID	Typical
18	M55A	N79	N71			RIGID	None	None	RIGID	Typical
19	M56	N75A	N73A			RIGID	None	None	RIGID	Typical
20	M57A	N74A	N72A			RIGID	None	None	RIGID	Typical
21	M58A	N80	N82		90	RIGID	None	None	RIGID	Typical
22	M59A	N77A	N84			RIGID	None	None	RIGID	Typical
23	M60A	N76A	N83			RIGID	None	None	RIGID	Typical
24	M61A	N78A	N82			RIGID	None	None	RIGID	Typical
25	M62	N84	N82			RIGID	None	None	RIGID	Typical
26	M26	N37	N38			Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
27	M27	N39	N40			RIGID	None	None	RIGID	Typical
28	M28	N41	N42		90	RIGID	None	None	RIGID	Typical
29	M29	N42	N44			RIGID	None	None	RIGID	Typical
30	M30	N50A	N49A			RIGID	None	None	RIGID	Typical
31	M31	N50A	N42			RIGID	None	None	RIGID	Typical
32	M32	N46	N44			RIGID	None	None	RIGID	Typical
33	M33	N45	N43			RIGID	None	None	RIGID	Typical
34	M34	N51A	N53A		90	RIGID	None	None	RIGID	Typical
35	M35	N48	N55			RIGID	None	None	RIGID	Typical
36	M36	N47	N54			RIGID	None	None	RIGID	Typical
37	M37	N49A	N53A			RIGID	None	None	RIGID	Typical
38	M38	N55	N53A			RIGID	None	None	RIGID	Typical
39	M39A	N56	N57			RIGID	None	None	RIGID	Typical
40	M40	N58	N59A		90	RIGID	None	None	RIGID	Typical
41	M41A	N59A	N61A			RIGID	None	None	RIGID	Typical
42	M42A	N67	N66A			RIGID	None	None	RIGID	Typical
43	M43	N67	N59A			RIGID	None	None	RIGID	Typical
44	M44	N63A	N61A			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
45	M45	N62A	N60A			RIGID	None	None	RIGID	Typical
46	M46	N68A	N70A		90	RIGID	None	None	RIGID	Typical
47	M47	N65A	N72B			RIGID	None	None	RIGID	Typical
48	M48	N64A	N71A			RIGID	None	None	RIGID	Typical
49	M49A	N66A	N70A			RIGID	None	None	RIGID	Typical
50	M50	N72B	N70A			RIGID	None	None	RIGID	Typical
51	M51B	N75B	N73B			RIGID	None	None	RIGID	Typical
52	M52A	N73B	N74B			RIGID	None	None	RIGID	Typical
53	M53B	N77B	N75B			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
54	M54A	N76B	N74B			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
55	MP2A	N79A	N78B			Mount Pipe	Beam	Pipe	A53 Gr. B	Typical
56	M56A	N77B	N80A			RIGID	None	None	RIGID	Typical
57	M57B	N80A	N76B			RIGID	None	None	RIGID	Typical
58	M58B	N83A	N81A			RIGID	None	None	RIGID	Typical
59	M59B	N81A	N82A			RIGID	None	None	RIGID	Typical
60	M60B	N85	N83A			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
61	M61B	N84A	N82A			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
62	M62A	N85	N86			RIGID	None	None	RIGID	Typical
63	M63	N86	N84A			RIGID	None	None	RIGID	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	MP1A						Yes	Default			None
2	M39		OOOXOO				Yes	** NA **			None
3	M41						Yes	** NA **			None
4	M42						Yes	** NA **			None
5	M49						Yes	** NA **			None
6	M51		AllPIN			Compres...	Yes	** NA **			None
7	M53		AllPIN			Compres...	Yes	** NA **			None
8	M55		OOOOOO				Yes	** NA **			None
9	M57						Yes	** NA **			None
10	M58	AllPIN				Compres...	Yes	** NA **			None
11	M59	OOOOXO					Yes	** NA **			None
12	M60	AllPIN				Compres...	Yes	** NA **			None
13	M61						Yes	** NA **			None
14	M51A		OOOXOO				Yes	** NA **			None
15	M52						Yes	** NA **			None
16	M53A						Yes	** NA **			None
17	M54						Yes	** NA **			None
18	M55A		AllPIN			Compres...	Yes	** NA **			None
19	M56		AllPIN			Compres...	Yes	** NA **			None
20	M57A		OOOOOO				Yes	** NA **			None
21	M58A						Yes	** NA **			None
22	M59A	AllPIN				Compres...	Yes	** NA **			None
23	M60A	OOOOXO					Yes	** NA **			None
24	M61A	AllPIN				Compres...	Yes	** NA **			None
25	M62						Yes	** NA **			None
26	M26						Yes	Default			None
27	M27		OOOXOO				Yes	** NA **			None
28	M28						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
29	M29						Yes	** NA **			None
30	M30						Yes	** NA **			None
31	M31		AllPIN			Compres...	Yes	** NA **			None
32	M32		AllPIN			Compres...	Yes	** NA **			None
33	M33		OOOOOO				Yes	** NA **			None
34	M34						Yes	** NA **			None
35	M35	AllPIN				Compres...	Yes	** NA **			None
36	M36	OOOOXO					Yes	** NA **			None
37	M37	AllPIN				Compres...	Yes	** NA **			None
38	M38						Yes	** NA **			None
39	M39A		OOOXOO				Yes	** NA **			None
40	M40						Yes	** NA **			None
41	M41A						Yes	** NA **			None
42	M42A						Yes	** NA **			None
43	M43		AllPIN			Compres...	Yes	** NA **			None
44	M44		AllPIN			Compres...	Yes	** NA **			None
45	M45		OOOOOO				Yes	** NA **			None
46	M46						Yes	** NA **			None
47	M47	AllPIN				Compres...	Yes	** NA **			None
48	M48	OOOOXO					Yes	** NA **			None
49	M49A	AllPIN				Compres...	Yes	** NA **			None
50	M50						Yes	** NA **			None
51	M51B						Yes	** NA **			None
52	M52A						Yes	** NA **			None
53	M53B						Yes				None
54	M54A						Yes				None
55	MP2A						Yes	Default			None
56	M56A		OOOXOO				Yes	** NA **			None
57	M57B	OOOXOX					Yes	** NA **			None
58	M58B						Yes	** NA **			None
59	M59B						Yes	** NA **			None
60	M60B						Yes				None
61	M61B						Yes				None
62	M62A		OOOXOO				Yes	** NA **			None
63	M63	OOOXOX					Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-43.55	1
2	MP1A	My	-.022	1
3	MP1A	Mz	0	1
4	MP1A	Y	-43.55	2
5	MP1A	My	-.022	2
6	MP1A	Mz	0	2
7	MP2A	Y	-43.55	1
8	MP2A	My	-.022	1
9	MP2A	Mz	0	1
10	MP2A	Y	-43.55	2
11	MP2A	My	-.022	2
12	MP2A	Mz	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP1A	Y	-84.4	7
14	MP1A	My	.042	7
15	MP1A	Mz	.049	7
16	MP1A	Y	-70.3	7
17	MP1A	My	.035	7
18	MP1A	Mz	-.041	7

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-37.355	1
2	MP1A	My	-.019	1
3	MP1A	Mz	0	1
4	MP1A	Y	-37.355	2
5	MP1A	My	-.019	2
6	MP1A	Mz	0	2
7	MP2A	Y	-37.355	1
8	MP2A	My	-.019	1
9	MP2A	Mz	0	1
10	MP2A	Y	-37.355	2
11	MP2A	My	-.019	2
12	MP2A	Mz	0	2
13	MP1A	Y	-46.976	7
14	MP1A	My	.023	7
15	MP1A	Mz	.027	7
16	MP1A	Y	-42.26	7
17	MP1A	My	.021	7
18	MP1A	Mz	-.025	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1
2	MP1A	Z	-104.351	1
3	MP1A	Mx	0	1
4	MP1A	X	0	2
5	MP1A	Z	-104.351	2
6	MP1A	Mx	0	2
7	MP2A	X	0	1
8	MP2A	Z	-104.351	1
9	MP2A	Mx	0	1
10	MP2A	X	0	2
11	MP2A	Z	-104.351	2
12	MP2A	Mx	0	2
13	MP1A	X	0	7
14	MP1A	Z	-82.536	7
15	MP1A	Mx	-.048	7
16	MP1A	X	0	7
17	MP1A	Z	-82.536	7
18	MP1A	Mx	.048	7

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	44.238	1
2	MP1A	Z	-76.623	1
3	MP1A	Mx	-.022	1
4	MP1A	X	44.238	2
5	MP1A	Z	-76.623	2
6	MP1A	Mx	-.022	2
7	MP2A	X	44.238	1
8	MP2A	Z	-76.623	1
9	MP2A	Mx	-.022	1
10	MP2A	X	44.238	2
11	MP2A	Z	-76.623	2
12	MP2A	Mx	-.022	2
13	MP1A	X	37.848	7
14	MP1A	Z	-65.554	7
15	MP1A	Mx	-.019	7
16	MP1A	X	36.537	7
17	MP1A	Z	-63.284	7
18	MP1A	Mx	.055	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	49.128	1
2	MP1A	Z	-28.364	1
3	MP1A	Mx	-.025	1
4	MP1A	X	49.128	2
5	MP1A	Z	-28.364	2
6	MP1A	Mx	-.025	2
7	MP2A	X	49.128	1
8	MP2A	Z	-28.364	1
9	MP2A	Mx	-.025	1
10	MP2A	X	49.128	2
11	MP2A	Z	-28.364	2
12	MP2A	Mx	-.025	2
13	MP1A	X	53.705	7
14	MP1A	Z	-31.006	7
15	MP1A	Mx	.009	7
16	MP1A	X	46.896	7
17	MP1A	Z	-27.075	7
18	MP1A	Mx	.039	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	40.853	1
2	MP1A	Z	0	1
3	MP1A	Mx	-.02	1
4	MP1A	X	40.853	2
5	MP1A	Z	0	2
6	MP1A	Mx	-.02	2
7	MP2A	X	40.853	1
8	MP2A	Z	0	1
9	MP2A	Mx	-.02	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP2A	X	40.853	2
11	MP2A	Z	0	2
12	MP2A	Mx	-.02	2
13	MP1A	X	55.171	7
14	MP1A	Z	0	7
15	MP1A	Mx	.028	7
16	MP1A	X	44.689	7
17	MP1A	Z	0	7
18	MP1A	Mx	.022	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	49.128	1
2	MP1A	Z	28.364	1
3	MP1A	Mx	-.025	1
4	MP1A	X	49.128	2
5	MP1A	Z	28.364	2
6	MP1A	Mx	-.025	2
7	MP2A	X	49.128	1
8	MP2A	Z	28.364	1
9	MP2A	Mx	-.025	1
10	MP2A	X	49.128	2
11	MP2A	Z	28.364	2
12	MP2A	Mx	-.025	2
13	MP1A	X	53.705	7
14	MP1A	Z	31.006	7
15	MP1A	Mx	.045	7
16	MP1A	X	46.896	7
17	MP1A	Z	27.075	7
18	MP1A	Mx	.008	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	44.238	1
2	MP1A	Z	76.623	1
3	MP1A	Mx	-.022	1
4	MP1A	X	44.238	2
5	MP1A	Z	76.623	2
6	MP1A	Mx	-.022	2
7	MP2A	X	44.238	1
8	MP2A	Z	76.623	1
9	MP2A	Mx	-.022	1
10	MP2A	X	44.238	2
11	MP2A	Z	76.623	2
12	MP2A	Mx	-.022	2
13	MP1A	X	37.848	7
14	MP1A	Z	65.554	7
15	MP1A	Mx	.057	7
16	MP1A	X	36.537	7
17	MP1A	Z	63.284	7
18	MP1A	Mx	-.019	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1
2	MP1A	Z	104.351	1
3	MP1A	Mx	0	1
4	MP1A	X	0	2
5	MP1A	Z	104.351	2
6	MP1A	Mx	0	2
7	MP2A	X	0	1
8	MP2A	Z	104.351	1
9	MP2A	Mx	0	1
10	MP2A	X	0	2
11	MP2A	Z	104.351	2
12	MP2A	Mx	0	2
13	MP1A	X	0	7
14	MP1A	Z	82.536	7
15	MP1A	Mx	.048	7
16	MP1A	X	0	7
17	MP1A	Z	82.536	7
18	MP1A	Mx	-.048	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-44.238	1
2	MP1A	Z	76.623	1
3	MP1A	Mx	.022	1
4	MP1A	X	-44.238	2
5	MP1A	Z	76.623	2
6	MP1A	Mx	.022	2
7	MP2A	X	-44.238	1
8	MP2A	Z	76.623	1
9	MP2A	Mx	.022	1
10	MP2A	X	-44.238	2
11	MP2A	Z	76.623	2
12	MP2A	Mx	.022	2
13	MP1A	X	-37.848	7
14	MP1A	Z	65.554	7
15	MP1A	Mx	.019	7
16	MP1A	X	-36.537	7
17	MP1A	Z	63.284	7
18	MP1A	Mx	-.055	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-49.128	1
2	MP1A	Z	28.364	1
3	MP1A	Mx	.025	1
4	MP1A	X	-49.128	2
5	MP1A	Z	28.364	2
6	MP1A	Mx	.025	2
7	MP2A	X	-49.128	1
8	MP2A	Z	28.364	1
9	MP2A	Mx	.025	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP2A	X	-49.128	2
11	MP2A	Z	28.364	2
12	MP2A	Mx	.025	2
13	MP1A	X	-53.705	7
14	MP1A	Z	31.006	7
15	MP1A	Mx	-.009	7
16	MP1A	X	-46.896	7
17	MP1A	Z	27.075	7
18	MP1A	Mx	-.039	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-40.853	1
2	MP1A	Z	0	1
3	MP1A	Mx	.02	1
4	MP1A	X	-40.853	2
5	MP1A	Z	0	2
6	MP1A	Mx	.02	2
7	MP2A	X	-40.853	1
8	MP2A	Z	0	1
9	MP2A	Mx	.02	1
10	MP2A	X	-40.853	2
11	MP2A	Z	0	2
12	MP2A	Mx	.02	2
13	MP1A	X	-55.171	7
14	MP1A	Z	0	7
15	MP1A	Mx	-.028	7
16	MP1A	X	-44.689	7
17	MP1A	Z	0	7
18	MP1A	Mx	-.022	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-49.128	1
2	MP1A	Z	-28.364	1
3	MP1A	Mx	.025	1
4	MP1A	X	-49.128	2
5	MP1A	Z	-28.364	2
6	MP1A	Mx	.025	2
7	MP2A	X	-49.128	1
8	MP2A	Z	-28.364	1
9	MP2A	Mx	.025	1
10	MP2A	X	-49.128	2
11	MP2A	Z	-28.364	2
12	MP2A	Mx	.025	2
13	MP1A	X	-53.705	7
14	MP1A	Z	-31.006	7
15	MP1A	Mx	-.045	7
16	MP1A	X	-46.896	7
17	MP1A	Z	-27.075	7
18	MP1A	Mx	-.008	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-44.238	1
2	MP1A	Z	-76.623	1
3	MP1A	Mx	.022	1
4	MP1A	X	-44.238	2
5	MP1A	Z	-76.623	2
6	MP1A	Mx	.022	2
7	MP2A	X	-44.238	1
8	MP2A	Z	-76.623	1
9	MP2A	Mx	.022	1
10	MP2A	X	-44.238	2
11	MP2A	Z	-76.623	2
12	MP2A	Mx	.022	2
13	MP1A	X	-37.848	7
14	MP1A	Z	-65.554	7
15	MP1A	Mx	-.057	7
16	MP1A	X	-36.537	7
17	MP1A	Z	-63.284	7
18	MP1A	Mx	.019	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1
2	MP1A	Z	-21.64	1
3	MP1A	Mx	0	1
4	MP1A	X	0	2
5	MP1A	Z	-21.64	2
6	MP1A	Mx	0	2
7	MP2A	X	0	1
8	MP2A	Z	-21.64	1
9	MP2A	Mx	0	1
10	MP2A	X	0	2
11	MP2A	Z	-21.64	2
12	MP2A	Mx	0	2
13	MP1A	X	0	7
14	MP1A	Z	-18.163	7
15	MP1A	Mx	-.011	7
16	MP1A	X	0	7
17	MP1A	Z	-18.163	7
18	MP1A	Mx	.011	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	9.272	1
2	MP1A	Z	-16.059	1
3	MP1A	Mx	-.005	1
4	MP1A	X	9.272	2
5	MP1A	Z	-16.059	2
6	MP1A	Mx	-.005	2
7	MP2A	X	9.272	1
8	MP2A	Z	-16.059	1
9	MP2A	Mx	-.005	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP2A	X	9.272	2
11	MP2A	Z	-16.059	2
12	MP2A	Mx	-.005	2
13	MP1A	X	8.393	7
14	MP1A	Z	-14.537	7
15	MP1A	Mx	-.004	7
16	MP1A	X	8.131	7
17	MP1A	Z	-14.084	7
18	MP1A	Mx	.012	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	10.695	1
2	MP1A	Z	-6.175	1
3	MP1A	Mx	-.005	1
4	MP1A	X	10.695	2
5	MP1A	Z	-6.175	2
6	MP1A	Mx	-.005	2
7	MP2A	X	10.695	1
8	MP2A	Z	-6.175	1
9	MP2A	Mx	-.005	1
10	MP2A	X	10.695	2
11	MP2A	Z	-6.175	2
12	MP2A	Mx	-.005	2
13	MP1A	X	12.152	7
14	MP1A	Z	-7.016	7
15	MP1A	Mx	.002	7
16	MP1A	X	10.792	7
17	MP1A	Z	-6.231	7
18	MP1A	Mx	.009	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	9.252	1
2	MP1A	Z	0	1
3	MP1A	Mx	-.005	1
4	MP1A	X	9.252	2
5	MP1A	Z	0	2
6	MP1A	Mx	-.005	2
7	MP2A	X	9.252	1
8	MP2A	Z	0	1
9	MP2A	Mx	-.005	1
10	MP2A	X	9.252	2
11	MP2A	Z	0	2
12	MP2A	Mx	-.005	2
13	MP1A	X	12.655	7
14	MP1A	Z	0	7
15	MP1A	Mx	.006	7
16	MP1A	X	10.562	7
17	MP1A	Z	0	7
18	MP1A	Mx	.005	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	10.695	1
2	MP1A	Z	6.175	1
3	MP1A	Mx	-.005	1
4	MP1A	X	10.695	2
5	MP1A	Z	6.175	2
6	MP1A	Mx	-.005	2
7	MP2A	X	10.695	1
8	MP2A	Z	6.175	1
9	MP2A	Mx	-.005	1
10	MP2A	X	10.695	2
11	MP2A	Z	6.175	2
12	MP2A	Mx	-.005	2
13	MP1A	X	12.152	7
14	MP1A	Z	7.016	7
15	MP1A	Mx	.01	7
16	MP1A	X	10.792	7
17	MP1A	Z	6.231	7
18	MP1A	Mx	.002	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	9.272	1
2	MP1A	Z	16.059	1
3	MP1A	Mx	-.005	1
4	MP1A	X	9.272	2
5	MP1A	Z	16.059	2
6	MP1A	Mx	-.005	2
7	MP2A	X	9.272	1
8	MP2A	Z	16.059	1
9	MP2A	Mx	-.005	1
10	MP2A	X	9.272	2
11	MP2A	Z	16.059	2
12	MP2A	Mx	-.005	2
13	MP1A	X	8.393	7
14	MP1A	Z	14.537	7
15	MP1A	Mx	.013	7
16	MP1A	X	8.131	7
17	MP1A	Z	14.084	7
18	MP1A	Mx	-.004	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1
2	MP1A	Z	21.64	1
3	MP1A	Mx	0	1
4	MP1A	X	0	2
5	MP1A	Z	21.64	2
6	MP1A	Mx	0	2
7	MP2A	X	0	1
8	MP2A	Z	21.64	1
9	MP2A	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP2A	X	0	2
11	MP2A	Z	21.64	2
12	MP2A	Mx	0	2
13	MP1A	X	0	7
14	MP1A	Z	18.163	7
15	MP1A	Mx	.011	7
16	MP1A	X	0	7
17	MP1A	Z	18.163	7
18	MP1A	Mx	-.011	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-9.272	1
2	MP1A	Z	16.059	1
3	MP1A	Mx	.005	1
4	MP1A	X	-9.272	2
5	MP1A	Z	16.059	2
6	MP1A	Mx	.005	2
7	MP2A	X	-9.272	1
8	MP2A	Z	16.059	1
9	MP2A	Mx	.005	1
10	MP2A	X	-9.272	2
11	MP2A	Z	16.059	2
12	MP2A	Mx	.005	2
13	MP1A	X	-8.393	7
14	MP1A	Z	14.537	7
15	MP1A	Mx	.004	7
16	MP1A	X	-8.131	7
17	MP1A	Z	14.084	7
18	MP1A	Mx	-.012	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-10.695	1
2	MP1A	Z	6.175	1
3	MP1A	Mx	.005	1
4	MP1A	X	-10.695	2
5	MP1A	Z	6.175	2
6	MP1A	Mx	.005	2
7	MP2A	X	-10.695	1
8	MP2A	Z	6.175	1
9	MP2A	Mx	.005	1
10	MP2A	X	-10.695	2
11	MP2A	Z	6.175	2
12	MP2A	Mx	.005	2
13	MP1A	X	-12.152	7
14	MP1A	Z	7.016	7
15	MP1A	Mx	-.002	7
16	MP1A	X	-10.792	7
17	MP1A	Z	6.231	7
18	MP1A	Mx	-.009	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-9.252	1
2	MP1A	Z	0	1
3	MP1A	Mx	.005	1
4	MP1A	X	-9.252	2
5	MP1A	Z	0	2
6	MP1A	Mx	.005	2
7	MP2A	X	-9.252	1
8	MP2A	Z	0	1
9	MP2A	Mx	.005	1
10	MP2A	X	-9.252	2
11	MP2A	Z	0	2
12	MP2A	Mx	.005	2
13	MP1A	X	-12.655	7
14	MP1A	Z	0	7
15	MP1A	Mx	-.006	7
16	MP1A	X	-10.562	7
17	MP1A	Z	0	7
18	MP1A	Mx	-.005	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-10.695	1
2	MP1A	Z	-6.175	1
3	MP1A	Mx	.005	1
4	MP1A	X	-10.695	2
5	MP1A	Z	-6.175	2
6	MP1A	Mx	.005	2
7	MP2A	X	-10.695	1
8	MP2A	Z	-6.175	1
9	MP2A	Mx	.005	1
10	MP2A	X	-10.695	2
11	MP2A	Z	-6.175	2
12	MP2A	Mx	.005	2
13	MP1A	X	-12.152	7
14	MP1A	Z	-7.016	7
15	MP1A	Mx	-.01	7
16	MP1A	X	-10.792	7
17	MP1A	Z	-6.231	7
18	MP1A	Mx	-.002	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-9.272	1
2	MP1A	Z	-16.059	1
3	MP1A	Mx	.005	1
4	MP1A	X	-9.272	2
5	MP1A	Z	-16.059	2
6	MP1A	Mx	.005	2
7	MP2A	X	-9.272	1
8	MP2A	Z	-16.059	1
9	MP2A	Mx	.005	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP2A	X	-9.272	2
11	MP2A	Z	-16.059	2
12	MP2A	Mx	.005	2
13	MP1A	X	-8.393	7
14	MP1A	Z	-14.537	7
15	MP1A	Mx	-.013	7
16	MP1A	X	-8.131	7
17	MP1A	Z	-14.084	7
18	MP1A	Mx	.004	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1
2	MP1A	Z	0	1
3	MP1A	Mx	0	1
4	MP1A	X	0	2
5	MP1A	Z	0	2
6	MP1A	Mx	0	2
7	MP2A	X	0	1
8	MP2A	Z	0	1
9	MP2A	Mx	0	1
10	MP2A	X	0	2
11	MP2A	Z	0	2
12	MP2A	Mx	0	2
13	MP1A	X	0	7
14	MP1A	Z	0	7
15	MP1A	Mx	0	7
16	MP1A	X	0	7
17	MP1A	Z	0	7
18	MP1A	Mx	0	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1
2	MP1A	Z	0	1
3	MP1A	Mx	0	1
4	MP1A	X	0	2
5	MP1A	Z	0	2
6	MP1A	Mx	0	2
7	MP2A	X	0	1
8	MP2A	Z	0	1
9	MP2A	Mx	0	1
10	MP2A	X	0	2
11	MP2A	Z	0	2
12	MP2A	Mx	0	2
13	MP1A	X	0	7
14	MP1A	Z	0	7
15	MP1A	Mx	0	7
16	MP1A	X	0	7
17	MP1A	Z	0	7
18	MP1A	Mx	0	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1
2	MP1A	Z	0	1
3	MP1A	Mx	0	1
4	MP1A	X	0	2
5	MP1A	Z	0	2
6	MP1A	Mx	0	2
7	MP2A	X	0	1
8	MP2A	Z	0	1
9	MP2A	Mx	0	1
10	MP2A	X	0	2
11	MP2A	Z	0	2
12	MP2A	Mx	0	2
13	MP1A	X	0	7
14	MP1A	Z	0	7
15	MP1A	Mx	0	7
16	MP1A	X	0	7
17	MP1A	Z	0	7
18	MP1A	Mx	0	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1
2	MP1A	Z	0	1
3	MP1A	Mx	0	1
4	MP1A	X	0	2
5	MP1A	Z	0	2
6	MP1A	Mx	0	2
7	MP2A	X	0	1
8	MP2A	Z	0	1
9	MP2A	Mx	0	1
10	MP2A	X	0	2
11	MP2A	Z	0	2
12	MP2A	Mx	0	2
13	MP1A	X	0	7
14	MP1A	Z	0	7
15	MP1A	Mx	0	7
16	MP1A	X	0	7
17	MP1A	Z	0	7
18	MP1A	Mx	0	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1
2	MP1A	Z	0	1
3	MP1A	Mx	0	1
4	MP1A	X	0	2
5	MP1A	Z	0	2
6	MP1A	Mx	0	2
7	MP2A	X	0	1
8	MP2A	Z	0	1
9	MP2A	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP2A	X	0	2
11	MP2A	Z	0	2
12	MP2A	Mx	0	2
13	MP1A	X	0	7
14	MP1A	Z	0	7
15	MP1A	Mx	0	7
16	MP1A	X	0	7
17	MP1A	Z	0	7
18	MP1A	Mx	0	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1
2	MP1A	Z	0	1
3	MP1A	Mx	0	1
4	MP1A	X	0	2
5	MP1A	Z	0	2
6	MP1A	Mx	0	2
7	MP2A	X	0	1
8	MP2A	Z	0	1
9	MP2A	Mx	0	1
10	MP2A	X	0	2
11	MP2A	Z	0	2
12	MP2A	Mx	0	2
13	MP1A	X	0	7
14	MP1A	Z	0	7
15	MP1A	Mx	0	7
16	MP1A	X	0	7
17	MP1A	Z	0	7
18	MP1A	Mx	0	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1
2	MP1A	Z	0	1
3	MP1A	Mx	0	1
4	MP1A	X	0	2
5	MP1A	Z	0	2
6	MP1A	Mx	0	2
7	MP2A	X	0	1
8	MP2A	Z	0	1
9	MP2A	Mx	0	1
10	MP2A	X	0	2
11	MP2A	Z	0	2
12	MP2A	Mx	0	2
13	MP1A	X	0	7
14	MP1A	Z	0	7
15	MP1A	Mx	0	7
16	MP1A	X	0	7
17	MP1A	Z	0	7
18	MP1A	Mx	0	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1
2	MP1A	Z	0	1
3	MP1A	Mx	0	1
4	MP1A	X	0	2
5	MP1A	Z	0	2
6	MP1A	Mx	0	2
7	MP2A	X	0	1
8	MP2A	Z	0	1
9	MP2A	Mx	0	1
10	MP2A	X	0	2
11	MP2A	Z	0	2
12	MP2A	Mx	0	2
13	MP1A	X	0	7
14	MP1A	Z	0	7
15	MP1A	Mx	0	7
16	MP1A	X	0	7
17	MP1A	Z	0	7
18	MP1A	Mx	0	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1
2	MP1A	Z	0	1
3	MP1A	Mx	0	1
4	MP1A	X	0	2
5	MP1A	Z	0	2
6	MP1A	Mx	0	2
7	MP2A	X	0	1
8	MP2A	Z	0	1
9	MP2A	Mx	0	1
10	MP2A	X	0	2
11	MP2A	Z	0	2
12	MP2A	Mx	0	2
13	MP1A	X	0	7
14	MP1A	Z	0	7
15	MP1A	Mx	0	7
16	MP1A	X	0	7
17	MP1A	Z	0	7
18	MP1A	Mx	0	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1
2	MP1A	Z	0	1
3	MP1A	Mx	0	1
4	MP1A	X	0	2
5	MP1A	Z	0	2
6	MP1A	Mx	0	2
7	MP2A	X	0	1
8	MP2A	Z	0	1
9	MP2A	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP2A	X	0	2
11	MP2A	Z	0	2
12	MP2A	Mx	0	2
13	MP1A	X	0	7
14	MP1A	Z	0	7
15	MP1A	Mx	0	7
16	MP1A	X	0	7
17	MP1A	Z	0	7
18	MP1A	Mx	0	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1
2	MP1A	Z	0	1
3	MP1A	Mx	0	1
4	MP1A	X	0	2
5	MP1A	Z	0	2
6	MP1A	Mx	0	2
7	MP2A	X	0	1
8	MP2A	Z	0	1
9	MP2A	Mx	0	1
10	MP2A	X	0	2
11	MP2A	Z	0	2
12	MP2A	Mx	0	2
13	MP1A	X	0	7
14	MP1A	Z	0	7
15	MP1A	Mx	0	7
16	MP1A	X	0	7
17	MP1A	Z	0	7
18	MP1A	Mx	0	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1
2	MP1A	Z	0	1
3	MP1A	Mx	0	1
4	MP1A	X	0	2
5	MP1A	Z	0	2
6	MP1A	Mx	0	2
7	MP2A	X	0	1
8	MP2A	Z	0	1
9	MP2A	Mx	0	1
10	MP2A	X	0	2
11	MP2A	Z	0	2
12	MP2A	Mx	0	2
13	MP1A	X	0	7
14	MP1A	Z	0	7
15	MP1A	Mx	0	7
16	MP1A	X	0	7
17	MP1A	Z	0	7
18	MP1A	Mx	0	7

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M39	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M39	Y	-500	%50

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M39	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M39	Y	-250	%50

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	MP1A	Y	-5.247	-5.247	0	%100
2	M26	Y	-5.247	-5.247	0	%100
3	M53B	Y	-2.679	-2.679	0	%100
4	M54A	Y	-2.679	-2.679	0	%100
5	MP2A	Y	-5.247	-5.247	0	%100
6	M60B	Y	-2.679	-2.679	0	%100
7	M61B	Y	-2.679	-2.679	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	MP1A	X	0	0	0	%100
2	MP1A	Z	-9.123	-9.123	0	%100
3	M26	X	0	0	0	%100
4	M26	Z	-9.123	-9.123	0	%100
5	M53B	X	0	0	0	%100
6	M53B	Z	0	0	0	%100
7	M54A	X	0	0	0	%100
8	M54A	Z	0	0	0	%100
9	MP2A	X	0	0	0	%100
10	MP2A	Z	-9.123	-9.123	0	%100
11	M60B	X	0	0	0	%100
12	M60B	Z	0	0	0	%100
13	M61B	X	0	0	0	%100
14	M61B	Z	0	0	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	MP1A	X	4.732	4.732	0	%100
2	MP1A	Z	-8.195	-8.195	0	%100
3	M26	X	4.732	4.732	0	%100
4	M26	Z	-8.195	-8.195	0	%100
5	M53B	X	.246	.246	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,%]
6	M53B	Z	-.427	-.427	0	%100
7	M54A	X	.246	.246	0	%100
8	M54A	Z	-.427	-.427	0	%100
9	MP2A	X	4.732	4.732	0	%100
10	MP2A	Z	-8.195	-8.195	0	%100
11	M60B	X	.246	.246	0	%100
12	M60B	Z	-.427	-.427	0	%100
13	M61B	X	.246	.246	0	%100
14	M61B	Z	-.427	-.427	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	MP1A	X	8.784	8.784	0	%100
2	MP1A	Z	-5.071	-5.071	0	%100
3	M26	X	8.784	8.784	0	%100
4	M26	Z	-5.071	-5.071	0	%100
5	M53B	X	1.281	1.281	0	%100
6	M53B	Z	-.739	-.739	0	%100
7	M54A	X	1.281	1.281	0	%100
8	M54A	Z	-.739	-.739	0	%100
9	MP2A	X	8.784	8.784	0	%100
10	MP2A	Z	-5.071	-5.071	0	%100
11	M60B	X	1.281	1.281	0	%100
12	M60B	Z	-.739	-.739	0	%100
13	M61B	X	1.281	1.281	0	%100
14	M61B	Z	-.739	-.739	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	MP1A	X	10.483	10.483	0	%100
2	MP1A	Z	0	0	0	%100
3	M26	X	10.483	10.483	0	%100
4	M26	Z	0	0	0	%100
5	M53B	X	1.972	1.972	0	%100
6	M53B	Z	0	0	0	%100
7	M54A	X	1.972	1.972	0	%100
8	M54A	Z	0	0	0	%100
9	MP2A	X	10.483	10.483	0	%100
10	MP2A	Z	0	0	0	%100
11	M60B	X	1.972	1.972	0	%100
12	M60B	Z	0	0	0	%100
13	M61B	X	1.972	1.972	0	%100
14	M61B	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	MP1A	X	8.784	8.784	0	%100
2	MP1A	Z	5.071	5.071	0	%100
3	M26	X	8.784	8.784	0	%100
4	M26	Z	5.071	5.071	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,%]
5	M53B	X	1.281	1.281	0	%100
6	M53B	Z	.739	.739	0	%100
7	M54A	X	1.281	1.281	0	%100
8	M54A	Z	.739	.739	0	%100
9	MP2A	X	8.784	8.784	0	%100
10	MP2A	Z	5.071	5.071	0	%100
11	M60B	X	1.281	1.281	0	%100
12	M60B	Z	.739	.739	0	%100
13	M61B	X	1.281	1.281	0	%100
14	M61B	Z	.739	.739	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	MP1A	X	4.732	4.732	0	%100
2	MP1A	Z	8.195	8.195	0	%100
3	M26	X	4.732	4.732	0	%100
4	M26	Z	8.195	8.195	0	%100
5	M53B	X	.246	.246	0	%100
6	M53B	Z	.427	.427	0	%100
7	M54A	X	.246	.246	0	%100
8	M54A	Z	.427	.427	0	%100
9	MP2A	X	4.732	4.732	0	%100
10	MP2A	Z	8.195	8.195	0	%100
11	M60B	X	.246	.246	0	%100
12	M60B	Z	.427	.427	0	%100
13	M61B	X	.246	.246	0	%100
14	M61B	Z	.427	.427	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	MP1A	X	0	0	0	%100
2	MP1A	Z	9.123	9.123	0	%100
3	M26	X	0	0	0	%100
4	M26	Z	9.123	9.123	0	%100
5	M53B	X	0	0	0	%100
6	M53B	Z	0	0	0	%100
7	M54A	X	0	0	0	%100
8	M54A	Z	0	0	0	%100
9	MP2A	X	0	0	0	%100
10	MP2A	Z	9.123	9.123	0	%100
11	M60B	X	0	0	0	%100
12	M60B	Z	0	0	0	%100
13	M61B	X	0	0	0	%100
14	M61B	Z	0	0	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	MP1A	X	-4.732	-4.732	0	%100
2	MP1A	Z	8.195	8.195	0	%100
3	M26	X	-4.732	-4.732	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,%]
4	M26	Z	8.195	8.195	0	%100
5	M53B	X	-.246	-.246	0	%100
6	M53B	Z	.427	.427	0	%100
7	M54A	X	-.246	-.246	0	%100
8	M54A	Z	.427	.427	0	%100
9	MP2A	X	-4.732	-4.732	0	%100
10	MP2A	Z	8.195	8.195	0	%100
11	M60B	X	-.246	-.246	0	%100
12	M60B	Z	.427	.427	0	%100
13	M61B	X	-.246	-.246	0	%100
14	M61B	Z	.427	.427	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	MP1A	X	-8.784	-8.784	0	%100
2	MP1A	Z	5.071	5.071	0	%100
3	M26	X	-8.784	-8.784	0	%100
4	M26	Z	5.071	5.071	0	%100
5	M53B	X	-1.281	-1.281	0	%100
6	M53B	Z	.739	.739	0	%100
7	M54A	X	-1.281	-1.281	0	%100
8	M54A	Z	.739	.739	0	%100
9	MP2A	X	-8.784	-8.784	0	%100
10	MP2A	Z	5.071	5.071	0	%100
11	M60B	X	-1.281	-1.281	0	%100
12	M60B	Z	.739	.739	0	%100
13	M61B	X	-1.281	-1.281	0	%100
14	M61B	Z	.739	.739	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	MP1A	X	-10.483	-10.483	0	%100
2	MP1A	Z	0	0	0	%100
3	M26	X	-10.483	-10.483	0	%100
4	M26	Z	0	0	0	%100
5	M53B	X	-1.972	-1.972	0	%100
6	M53B	Z	0	0	0	%100
7	M54A	X	-1.972	-1.972	0	%100
8	M54A	Z	0	0	0	%100
9	MP2A	X	-10.483	-10.483	0	%100
10	MP2A	Z	0	0	0	%100
11	M60B	X	-1.972	-1.972	0	%100
12	M60B	Z	0	0	0	%100
13	M61B	X	-1.972	-1.972	0	%100
14	M61B	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	MP1A	X	-8.784	-8.784	0	%100
2	MP1A	Z	-5.071	-5.071	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,%]
3	M26	X	-8.784	-8.784	0	%100
4	M26	Z	-5.071	-5.071	0	%100
5	M53B	X	-1.281	-1.281	0	%100
6	M53B	Z	-.739	-.739	0	%100
7	M54A	X	-1.281	-1.281	0	%100
8	M54A	Z	-.739	-.739	0	%100
9	MP2A	X	-8.784	-8.784	0	%100
10	MP2A	Z	-5.071	-5.071	0	%100
11	M60B	X	-1.281	-1.281	0	%100
12	M60B	Z	-.739	-.739	0	%100
13	M61B	X	-1.281	-1.281	0	%100
14	M61B	Z	-.739	-.739	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	MP1A	X	-4.732	-4.732	0	%100
2	MP1A	Z	-8.195	-8.195	0	%100
3	M26	X	-4.732	-4.732	0	%100
4	M26	Z	-8.195	-8.195	0	%100
5	M53B	X	-.246	-.246	0	%100
6	M53B	Z	-.427	-.427	0	%100
7	M54A	X	-.246	-.246	0	%100
8	M54A	Z	-.427	-.427	0	%100
9	MP2A	X	-4.732	-4.732	0	%100
10	MP2A	Z	-8.195	-8.195	0	%100
11	M60B	X	-.246	-.246	0	%100
12	M60B	Z	-.427	-.427	0	%100
13	M61B	X	-.246	-.246	0	%100
14	M61B	Z	-.427	-.427	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	MP1A	X	0	0	0	%100
2	MP1A	Z	-3.602	-3.602	0	%100
3	M26	X	0	0	0	%100
4	M26	Z	-3.602	-3.602	0	%100
5	M53B	X	0	0	0	%100
6	M53B	Z	0	0	0	%100
7	M54A	X	0	0	0	%100
8	M54A	Z	0	0	0	%100
9	MP2A	X	0	0	0	%100
10	MP2A	Z	-3.602	-3.602	0	%100
11	M60B	X	0	0	0	%100
12	M60B	Z	0	0	0	%100
13	M61B	X	0	0	0	%100
14	M61B	Z	0	0	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	MP1A	X	1.832	1.832	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,%]
2	MP1A	Z	-3.173	-3.173	0	%100
3	M26	X	1.832	1.832	0	%100
4	M26	Z	-3.173	-3.173	0	%100
5	M53B	X	.186	.186	0	%100
6	M53B	Z	-.322	-.322	0	%100
7	M54A	X	.186	.186	0	%100
8	M54A	Z	-.322	-.322	0	%100
9	MP2A	X	1.832	1.832	0	%100
10	MP2A	Z	-3.173	-3.173	0	%100
11	M60B	X	.186	.186	0	%100
12	M60B	Z	-.322	-.322	0	%100
13	M61B	X	.186	.186	0	%100
14	M61B	Z	-.322	-.322	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	MP1A	X	3.281	3.281	0	%100
2	MP1A	Z	-1.894	-1.894	0	%100
3	M26	X	3.281	3.281	0	%100
4	M26	Z	-1.894	-1.894	0	%100
5	M53B	X	.967	.967	0	%100
6	M53B	Z	-.559	-.559	0	%100
7	M54A	X	.967	.967	0	%100
8	M54A	Z	-.559	-.559	0	%100
9	MP2A	X	3.281	3.281	0	%100
10	MP2A	Z	-1.894	-1.894	0	%100
11	M60B	X	.967	.967	0	%100
12	M60B	Z	-.559	-.559	0	%100
13	M61B	X	.967	.967	0	%100
14	M61B	Z	-.559	-.559	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	MP1A	X	3.851	3.851	0	%100
2	MP1A	Z	0	0	0	%100
3	M26	X	3.851	3.851	0	%100
4	M26	Z	0	0	0	%100
5	M53B	X	1.49	1.49	0	%100
6	M53B	Z	0	0	0	%100
7	M54A	X	1.49	1.49	0	%100
8	M54A	Z	0	0	0	%100
9	MP2A	X	3.851	3.851	0	%100
10	MP2A	Z	0	0	0	%100
11	M60B	X	1.49	1.49	0	%100
12	M60B	Z	0	0	0	%100
13	M61B	X	1.49	1.49	0	%100
14	M61B	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,%]

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,%]
1	MP1A	X	3.281	3.281	0	%100
2	MP1A	Z	1.894	1.894	0	%100
3	M26	X	3.281	3.281	0	%100
4	M26	Z	1.894	1.894	0	%100
5	M53B	X	.967	.967	0	%100
6	M53B	Z	.559	.559	0	%100
7	M54A	X	.967	.967	0	%100
8	M54A	Z	.559	.559	0	%100
9	MP2A	X	3.281	3.281	0	%100
10	MP2A	Z	1.894	1.894	0	%100
11	M60B	X	.967	.967	0	%100
12	M60B	Z	.559	.559	0	%100
13	M61B	X	.967	.967	0	%100
14	M61B	Z	.559	.559	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	MP1A	X	1.832	1.832	0	%100
2	MP1A	Z	3.173	3.173	0	%100
3	M26	X	1.832	1.832	0	%100
4	M26	Z	3.173	3.173	0	%100
5	M53B	X	.186	.186	0	%100
6	M53B	Z	.322	.322	0	%100
7	M54A	X	.186	.186	0	%100
8	M54A	Z	.322	.322	0	%100
9	MP2A	X	1.832	1.832	0	%100
10	MP2A	Z	3.173	3.173	0	%100
11	M60B	X	.186	.186	0	%100
12	M60B	Z	.322	.322	0	%100
13	M61B	X	.186	.186	0	%100
14	M61B	Z	.322	.322	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	MP1A	X	0	0	0	%100
2	MP1A	Z	3.602	3.602	0	%100
3	M26	X	0	0	0	%100
4	M26	Z	3.602	3.602	0	%100
5	M53B	X	0	0	0	%100
6	M53B	Z	0	0	0	%100
7	M54A	X	0	0	0	%100
8	M54A	Z	0	0	0	%100
9	MP2A	X	0	0	0	%100
10	MP2A	Z	3.602	3.602	0	%100
11	M60B	X	0	0	0	%100
12	M60B	Z	0	0	0	%100
13	M61B	X	0	0	0	%100
14	M61B	Z	0	0	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,%]

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,%]
1	MP1A	X	-1.832	-1.832	0	%100
2	MP1A	Z	3.173	3.173	0	%100
3	M26	X	-1.832	-1.832	0	%100
4	M26	Z	3.173	3.173	0	%100
5	M53B	X	-.186	-.186	0	%100
6	M53B	Z	.322	.322	0	%100
7	M54A	X	-.186	-.186	0	%100
8	M54A	Z	.322	.322	0	%100
9	MP2A	X	-1.832	-1.832	0	%100
10	MP2A	Z	3.173	3.173	0	%100
11	M60B	X	-.186	-.186	0	%100
12	M60B	Z	.322	.322	0	%100
13	M61B	X	-.186	-.186	0	%100
14	M61B	Z	.322	.322	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	MP1A	X	-3.281	-3.281	0	%100
2	MP1A	Z	1.894	1.894	0	%100
3	M26	X	-3.281	-3.281	0	%100
4	M26	Z	1.894	1.894	0	%100
5	M53B	X	-.967	-.967	0	%100
6	M53B	Z	.559	.559	0	%100
7	M54A	X	-.967	-.967	0	%100
8	M54A	Z	.559	.559	0	%100
9	MP2A	X	-3.281	-3.281	0	%100
10	MP2A	Z	1.894	1.894	0	%100
11	M60B	X	-.967	-.967	0	%100
12	M60B	Z	.559	.559	0	%100
13	M61B	X	-.967	-.967	0	%100
14	M61B	Z	.559	.559	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	MP1A	X	-3.851	-3.851	0	%100
2	MP1A	Z	0	0	0	%100
3	M26	X	-3.851	-3.851	0	%100
4	M26	Z	0	0	0	%100
5	M53B	X	-1.49	-1.49	0	%100
6	M53B	Z	0	0	0	%100
7	M54A	X	-1.49	-1.49	0	%100
8	M54A	Z	0	0	0	%100
9	MP2A	X	-3.851	-3.851	0	%100
10	MP2A	Z	0	0	0	%100
11	M60B	X	-1.49	-1.49	0	%100
12	M60B	Z	0	0	0	%100
13	M61B	X	-1.49	-1.49	0	%100
14	M61B	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,%]

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,%]
1	MP1A	X	-3.281	-3.281	0	%100
2	MP1A	Z	-1.894	-1.894	0	%100
3	M26	X	-3.281	-3.281	0	%100
4	M26	Z	-1.894	-1.894	0	%100
5	M53B	X	-.967	-.967	0	%100
6	M53B	Z	-.559	-.559	0	%100
7	M54A	X	-.967	-.967	0	%100
8	M54A	Z	-.559	-.559	0	%100
9	MP2A	X	-3.281	-3.281	0	%100
10	MP2A	Z	-1.894	-1.894	0	%100
11	M60B	X	-.967	-.967	0	%100
12	M60B	Z	-.559	-.559	0	%100
13	M61B	X	-.967	-.967	0	%100
14	M61B	Z	-.559	-.559	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	MP1A	X	-1.832	-1.832	0	%100
2	MP1A	Z	-3.173	-3.173	0	%100
3	M26	X	-1.832	-1.832	0	%100
4	M26	Z	-3.173	-3.173	0	%100
5	M53B	X	-.186	-.186	0	%100
6	M53B	Z	-.322	-.322	0	%100
7	M54A	X	-.186	-.186	0	%100
8	M54A	Z	-.322	-.322	0	%100
9	MP2A	X	-1.832	-1.832	0	%100
10	MP2A	Z	-3.173	-3.173	0	%100
11	M60B	X	-.186	-.186	0	%100
12	M60B	Z	-.322	-.322	0	%100
13	M61B	X	-.186	-.186	0	%100
14	M61B	Z	-.322	-.322	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	MP1A	X	0	0	0	%100
2	MP1A	Z	0	0	0	%100
3	M26	X	0	0	0	%100
4	M26	Z	0	0	0	%100
5	M53B	X	0	0	0	%100
6	M53B	Z	0	0	0	%100
7	M54A	X	0	0	0	%100
8	M54A	Z	0	0	0	%100
9	MP2A	X	0	0	0	%100
10	MP2A	Z	0	0	0	%100
11	M60B	X	0	0	0	%100
12	M60B	Z	0	0	0	%100
13	M61B	X	0	0	0	%100
14	M61B	Z	0	0	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,%]

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,%]
1	MP1A	X	0	0	0	%100
2	MP1A	Z	0	0	0	%100
3	M26	X	0	0	0	%100
4	M26	Z	0	0	0	%100
5	M53B	X	0	0	0	%100
6	M53B	Z	0	0	0	%100
7	M54A	X	0	0	0	%100
8	M54A	Z	0	0	0	%100
9	MP2A	X	0	0	0	%100
10	MP2A	Z	0	0	0	%100
11	M60B	X	0	0	0	%100
12	M60B	Z	0	0	0	%100
13	M61B	X	0	0	0	%100
14	M61B	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	MP1A	X	0	0	0	%100
2	MP1A	Z	0	0	0	%100
3	M26	X	0	0	0	%100
4	M26	Z	0	0	0	%100
5	M53B	X	0	0	0	%100
6	M53B	Z	0	0	0	%100
7	M54A	X	0	0	0	%100
8	M54A	Z	0	0	0	%100
9	MP2A	X	0	0	0	%100
10	MP2A	Z	0	0	0	%100
11	M60B	X	0	0	0	%100
12	M60B	Z	0	0	0	%100
13	M61B	X	0	0	0	%100
14	M61B	Z	0	0	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	MP1A	X	0	0	0	%100
2	MP1A	Z	0	0	0	%100
3	M26	X	0	0	0	%100
4	M26	Z	0	0	0	%100
5	M53B	X	0	0	0	%100
6	M53B	Z	0	0	0	%100
7	M54A	X	0	0	0	%100
8	M54A	Z	0	0	0	%100
9	MP2A	X	0	0	0	%100
10	MP2A	Z	0	0	0	%100
11	M60B	X	0	0	0	%100
12	M60B	Z	0	0	0	%100
13	M61B	X	0	0	0	%100
14	M61B	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,%]

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,%]
1	MP1A	X	0	0	0	%100
2	MP1A	Z	0	0	0	%100
3	M26	X	0	0	0	%100
4	M26	Z	0	0	0	%100
5	M53B	X	0	0	0	%100
6	M53B	Z	0	0	0	%100
7	M54A	X	0	0	0	%100
8	M54A	Z	0	0	0	%100
9	MP2A	X	0	0	0	%100
10	MP2A	Z	0	0	0	%100
11	M60B	X	0	0	0	%100
12	M60B	Z	0	0	0	%100
13	M61B	X	0	0	0	%100
14	M61B	Z	0	0	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	MP1A	X	0	0	0	%100
2	MP1A	Z	0	0	0	%100
3	M26	X	0	0	0	%100
4	M26	Z	0	0	0	%100
5	M53B	X	0	0	0	%100
6	M53B	Z	0	0	0	%100
7	M54A	X	0	0	0	%100
8	M54A	Z	0	0	0	%100
9	MP2A	X	0	0	0	%100
10	MP2A	Z	0	0	0	%100
11	M60B	X	0	0	0	%100
12	M60B	Z	0	0	0	%100
13	M61B	X	0	0	0	%100
14	M61B	Z	0	0	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	MP1A	X	0	0	0	%100
2	MP1A	Z	0	0	0	%100
3	M26	X	0	0	0	%100
4	M26	Z	0	0	0	%100
5	M53B	X	0	0	0	%100
6	M53B	Z	0	0	0	%100
7	M54A	X	0	0	0	%100
8	M54A	Z	0	0	0	%100
9	MP2A	X	0	0	0	%100
10	MP2A	Z	0	0	0	%100
11	M60B	X	0	0	0	%100
12	M60B	Z	0	0	0	%100
13	M61B	X	0	0	0	%100
14	M61B	Z	0	0	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,%]

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,%]
1	MP1A	X	0	0	0	%100
2	MP1A	Z	0	0	0	%100
3	M26	X	0	0	0	%100
4	M26	Z	0	0	0	%100
5	M53B	X	0	0	0	%100
6	M53B	Z	0	0	0	%100
7	M54A	X	0	0	0	%100
8	M54A	Z	0	0	0	%100
9	MP2A	X	0	0	0	%100
10	MP2A	Z	0	0	0	%100
11	M60B	X	0	0	0	%100
12	M60B	Z	0	0	0	%100
13	M61B	X	0	0	0	%100
14	M61B	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	MP1A	X	0	0	0	%100
2	MP1A	Z	0	0	0	%100
3	M26	X	0	0	0	%100
4	M26	Z	0	0	0	%100
5	M53B	X	0	0	0	%100
6	M53B	Z	0	0	0	%100
7	M54A	X	0	0	0	%100
8	M54A	Z	0	0	0	%100
9	MP2A	X	0	0	0	%100
10	MP2A	Z	0	0	0	%100
11	M60B	X	0	0	0	%100
12	M60B	Z	0	0	0	%100
13	M61B	X	0	0	0	%100
14	M61B	Z	0	0	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	MP1A	X	0	0	0	%100
2	MP1A	Z	0	0	0	%100
3	M26	X	0	0	0	%100
4	M26	Z	0	0	0	%100
5	M53B	X	0	0	0	%100
6	M53B	Z	0	0	0	%100
7	M54A	X	0	0	0	%100
8	M54A	Z	0	0	0	%100
9	MP2A	X	0	0	0	%100
10	MP2A	Z	0	0	0	%100
11	M60B	X	0	0	0	%100
12	M60B	Z	0	0	0	%100
13	M61B	X	0	0	0	%100
14	M61B	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,%]

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,%]
1	MP1A	X	0	0	0	%100
2	MP1A	Z	0	0	0	%100
3	M26	X	0	0	0	%100
4	M26	Z	0	0	0	%100
5	M53B	X	0	0	0	%100
6	M53B	Z	0	0	0	%100
7	M54A	X	0	0	0	%100
8	M54A	Z	0	0	0	%100
9	MP2A	X	0	0	0	%100
10	MP2A	Z	0	0	0	%100
11	M60B	X	0	0	0	%100
12	M60B	Z	0	0	0	%100
13	M61B	X	0	0	0	%100
14	M61B	Z	0	0	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	MP1A	X	0	0	0	%100
2	MP1A	Z	0	0	0	%100
3	M26	X	0	0	0	%100
4	M26	Z	0	0	0	%100
5	M53B	X	0	0	0	%100
6	M53B	Z	0	0	0	%100
7	M54A	X	0	0	0	%100
8	M54A	Z	0	0	0	%100
9	MP2A	X	0	0	0	%100
10	MP2A	Z	0	0	0	%100
11	M60B	X	0	0	0	%100
12	M60B	Z	0	0	0	%100
13	M61B	X	0	0	0	%100
14	M61B	Z	0	0	0	%100

Member Area Loads

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

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N74	max	0	51	0	51	0	51	0	51	0	51	0	51
2		min	0	1	0	1	0	1	0	1	0	1	0	1
3	N75	max	427.417	11	296.791	13	-880.286	1	0	51	.408	9	.009	11
4		min	-432.371	3	121.411	7	-1968.874	19	0	1	-.412	3	-.009	3
5	N76	max	0	51	0	51	2015.492	13	0	51	0	51	0	51
6		min	0	1	0	1	674.951	7	0	1	0	1	0	1
7	N80	max	0	51	0	51	0	51	0	51	0	51	0	51
8		min	0	1	0	1	0	1	0	1	0	1	0	1
9	N81	max	128.108	5	293.474	19	-1006.431	1	0	51	.127	5	.003	5
10		min	-123.154	9	119.184	1	-1908.687	19	0	1	-.122	11	-.003	9

Envelope Joint Reactions (Continued)

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
11	N82	max	0	51	0	51	1968.796	19	0	51	0	51	0	51
12		min	0	1	0	1	746.951	1	0	1	0	1	0	1
13	N51A	max	0	51	0	51	0	51	0	51	0	51	0	51
14		min	0	1	0	1	0	1	0	1	0	1	0	1
15	N52	max	373.573	9	185.016	15	-136.549	1	0	51	.513	11	.008	9
16		min	-373.573	5	92.876	1	-1418.668	19	0	1	-.513	3	-.008	5
17	N53A	max	0	51	0	51	1248.928	13	0	51	0	51	0	51
18		min	0	1	0	1	515.284	7	0	1	0	1	0	1
19	N68A	max	0	51	0	51	0	51	0	51	0	51	0	51
20		min	0	1	0	1	0	1	0	1	0	1	0	1
21	N69A	max	105.875	5	181.088	21	-374.866	7	0	51	.11	5	.002	5
22		min	-105.874	9	91.028	7	-1189.807	13	0	1	-.11	9	-.002	9
23	N70A	max	0	51	0	51	1228.198	19	0	51	0	51	0	51
24		min	0	1	0	1	584.105	1	0	1	0	1	0	1
25	Totals:	max	592.164	10	932.89	19	865.283	1						
26		min	-592.164	4	526.192	1	-865.306	7						

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

	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
1	MP1A	PIPE 2.0	.713	6.5	7	.071	6.5		2	6830.97	32130	1.872	1.872	3....	H1-1b
2	M26	PIPE 2.0	.212	5.469	7	.133	5.542		5	17855.085	32130	1.872	1.872	1	H1-1b
3	M53B	SR 0.625	.429	.5	11	.189	.5		13	9197.736	9940.19	.104	.104	1....	H1-1b
4	M54A	SR 0.625	.429	.5	3	.189	.5		13	9197.736	9940.19	.104	.104	1....	H1-1b
5	MP2A	PIPE 2.0	.599	5.75	7	.051	5.75		8	6830.97	32130	1.872	1.872	1	H1-1b
6	M60B	SR 0.625	.388	.5	19	.188	.5		19	9197.736	9940.19	.104	.104	1....	H1-1b
7	M61B	SR 0.625	.388	.5	19	.188	.5		19	9197.736	9940.19	.104	.104	1....	H1-1b

Client:	Verizon Wireless	Date:	12/3/2020
Site Name:	Stamford CT		
Project No.	20777202A		
Title:	Antenna Mount Analysis (8.5" Angle)	Page:	1

Version 1.3

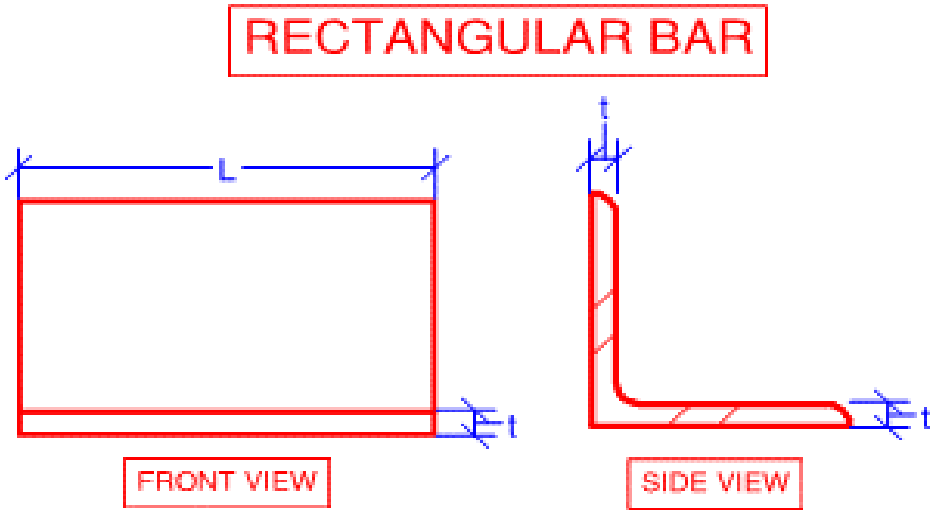
I. (LRFD) Angle Wall Mount Bracket Check

Shape	Rectangular Bar

Manual Inputs		Units
L (Length)	8.5	in
t (Thickness)	0.25	in
F_y (Yield Strength)	36	KSI
ϕ (Phi)	0.9	-
Z (Section Modulus)	0.133	in^3
M_n (Nominal Capacity)	358.6	lb-ft

RISA Outputs		Units
M_u (Acting Moment)	77.244	lb-ft

Capacity (%)	
Plate Capacity	21.54%
Pass/Fail	Pass



Client:	Verizon Wireless	Date:	12/3/2020
Site Name:	Stamford CT		
Project No.	20777202A		
Title:	Antenna Mount Analysis (14.5" Angle)	Page:	1

Version 1.3

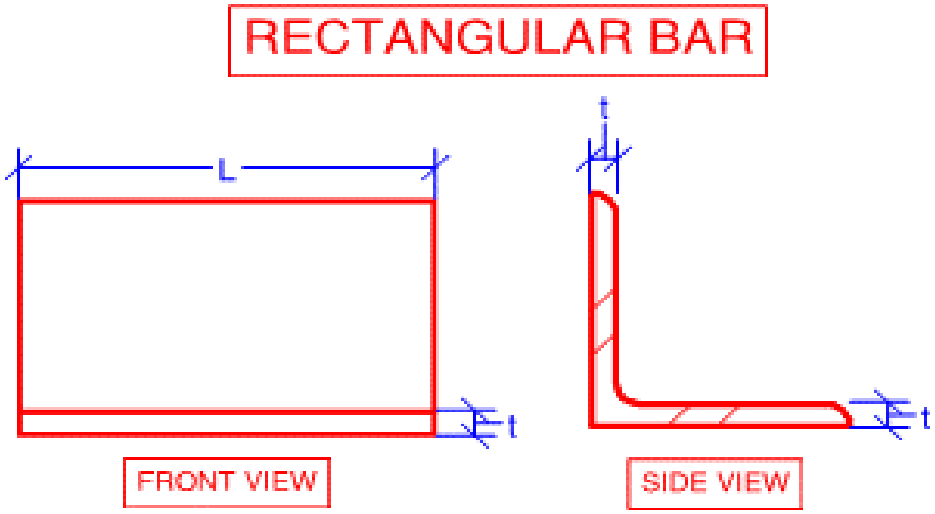
I. (LRFD) Angle Wall Mount Bracket Check

Shape	Rectangular Bar

Manual Inputs		Units
L (Length)	14.5	in
t (Thickness)	0.25	in
F_y (Yield Strength)	36	KSI
ϕ (Phi)	0.9	-
Z (Section Modulus)	0.227	in^3
M_n (Nominal Capacity)	611.7	lb-ft

RISA Outputs		Units
M_u (Acting Moment)	246.313	lb-ft

Capacity (%)	
Plate Capacity	40.27%
Pass/Fail	Pass



Client:	Verizon Wireless	Date:	12/3/2020
Site Name:	Stamford CT		
Project No.	20777202A		
Title:	Antenna Mount Analysis (C - Section)	Page:	1

Version 1.3

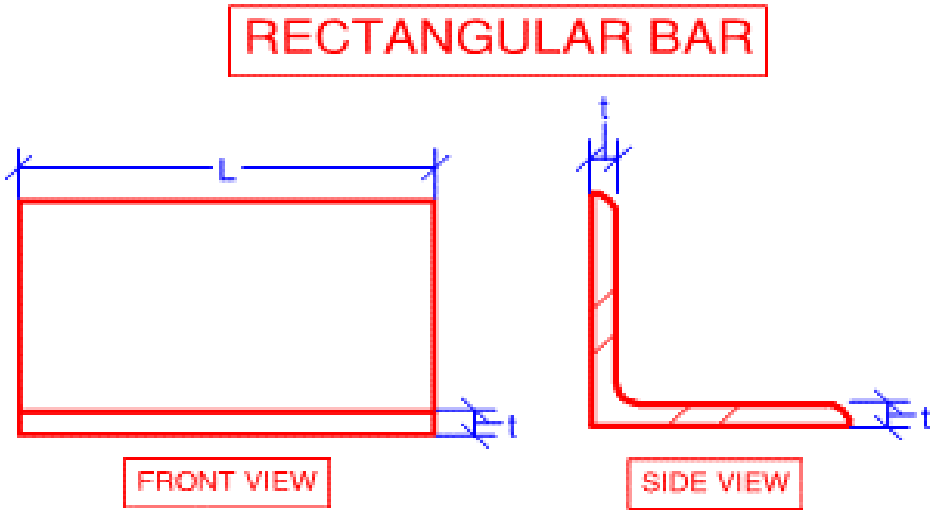
I. (LRFD) Angle Wall Mount Bracket Check

Shape	C Shape

Manual Inputs		Units
F_y (Yield Strength)	36	KSI
ϕ (Phi)	0.9	-
Z (Section Modulus)	8.958	in^3
M_n (Nominal Capacity)	24187.4	lb-ft

RISA Outputs		Units
M_u (Acting Moment)	214.677	lb-ft

Capacity (%)	
Plate Capacity	0.89%
Pass/Fail	Pass



Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

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 installation was completed in accordance with this Passing Mount Analysis.
- Contractor shall relay any data that can impact the performance of the mount, this includes safety issues.

Base Requirements:

- Any special photos outside of the standard requirements will be indicated on the passing MA
- Verification that loading is as communicated in the Passing Mount Analysis. NOTE If loading is different than what is conveyed 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 equipment 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 equipment.
    - 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

- 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.

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 any other information the contractor deems necessary to share that was identified:

Issue:

Alpha:
- Install (1) 12' long P2.0 STD mount pipe connecting to existing mount pipe with (4) 5/8" Threaded rod with max. standoff distance of 6" and crossover clamp at 66" apart at position 1.
- Replace existing mount pipe with 12' long P2.0 STD at position 3. Relocate existing antenna "BXA-70063-6CF" and radios "B2/B66A RRH-BR049" & "B5/B13 RRH-BR04C" to this pipe as shown in plumbing diagram.

Beta:
- Install (1) 12' long P2.0 STD mount pipe connecting to existing mount pipe with (4) 5/8" Threaded rod with max. standoff distance of 6" and crossover clamp set at 66" apart at position 1.

Gamma:
- Install (1) 12' long P2.0 STD mount pipe connecting to existing mount pipe with (4) 5/8" Threaded rod with max. standoff distance of 6" and crossover clamp set at 66" apart at position 1.

Delta:
- Replace existing mount pipe with 12' long P2.0 STD at position 2. Relocate existing radios "B2/B66A RRH-BR049" & "B5/B13 RRH-BR04C" below the proposed "nL-Sub6 Antenna" Antenna as shown in plumbing diagram.

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

Structure: 46743 -VZW - STAMFORD CT

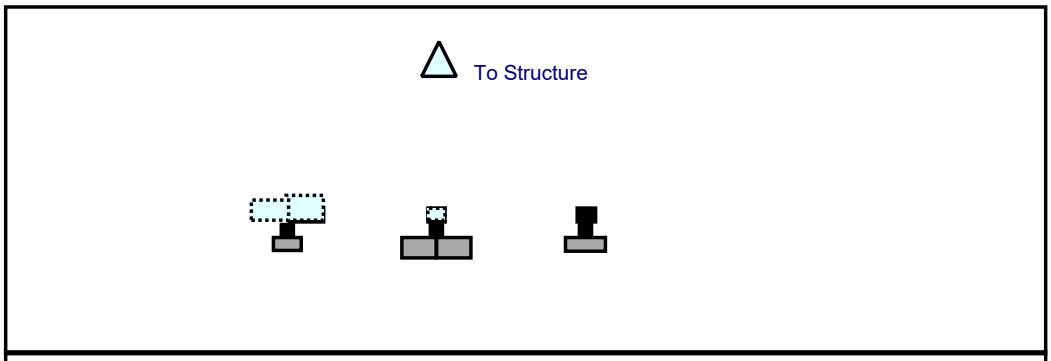
Sector: **A**

Structure Type: Rooftop

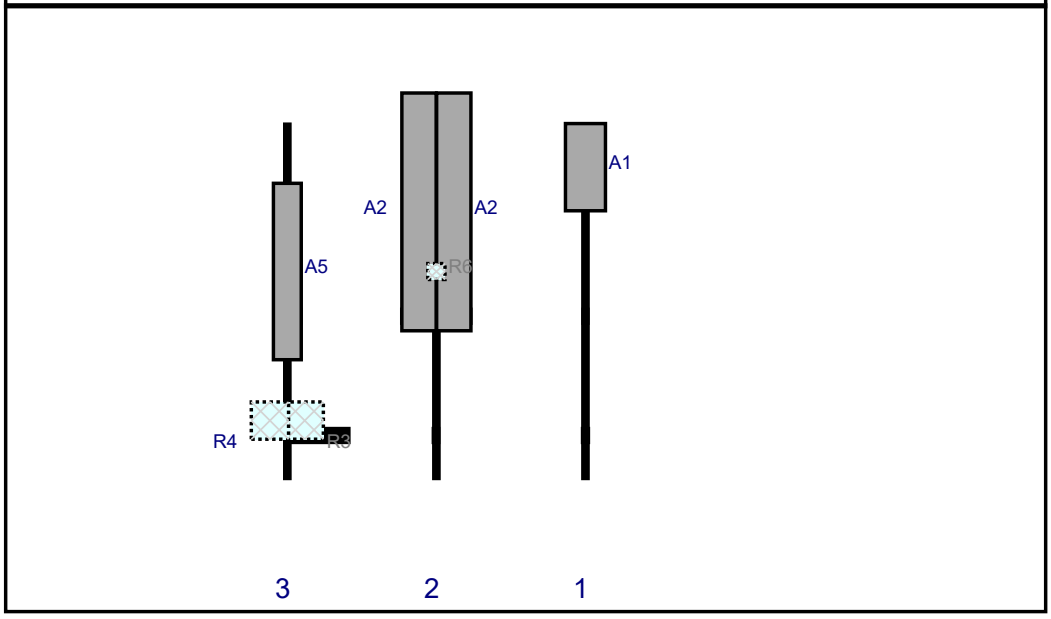
Mount Elev: 206.00

12/3/2020

Plan View



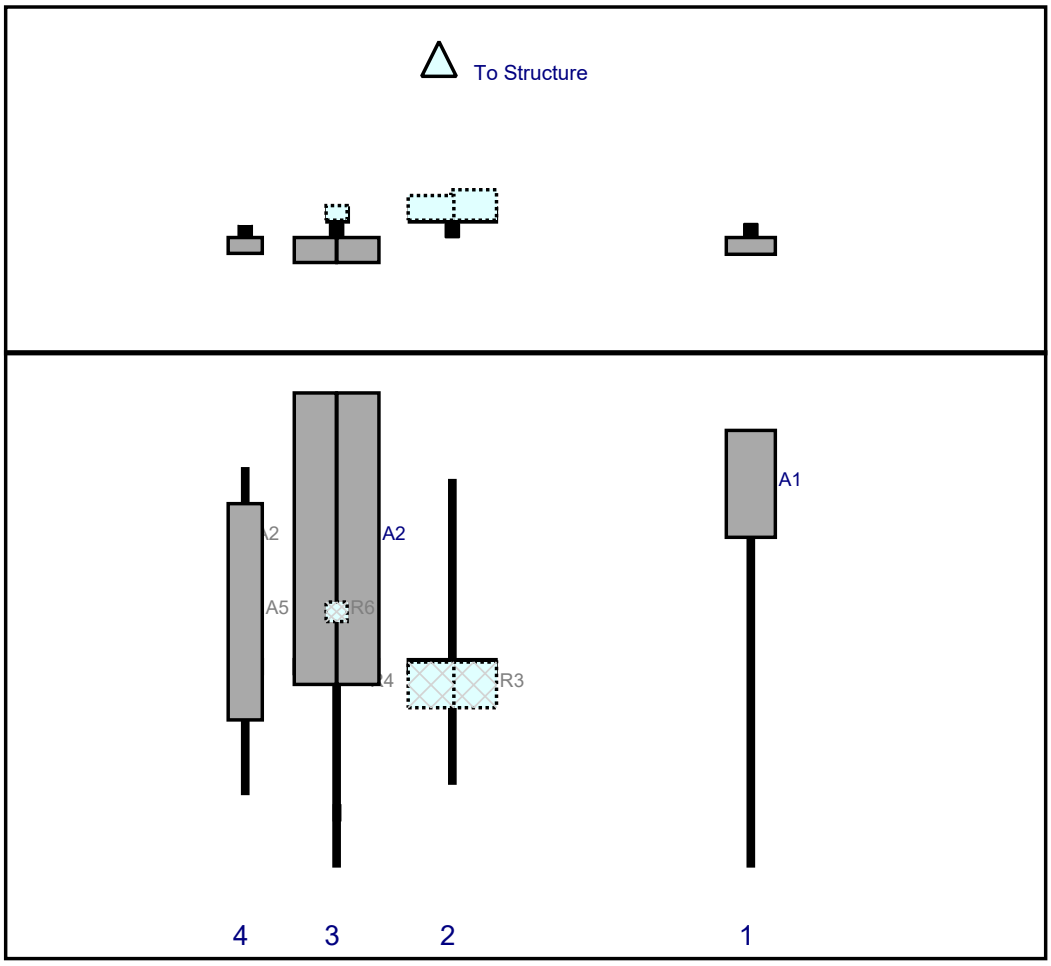
Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	nL-Sub6 Antenna	35.1	16.1	120	1	a	Front	18	0	Added	
A2	JAHH-65C-R3B-V2	95.7	13.8	60	2	a	Front	36	7	Retained	11/05/2020
A2	JAHH-65C-R3B-V2	95.7	13.8	60	2	b	Front	36	-7	Retained	11/05/2020
R6	CBC78T-DS-43-2X	6.4	6.9	60	2	a	Behind	60	0	Retained	11/05/2020
A5	BXA-70063-6CF	71	11.2	0	3	a	Front	60	0	Retained	11/05/2020
R3	B2/B66A RRH-BR049	15	15	0	3	a	Behind	120	7	Retained	11/05/2020
R4	B5/B13 RRH-BR04C	15	15	0	3	a	Behind	120	-7	Retained	11/05/2020

Plan View

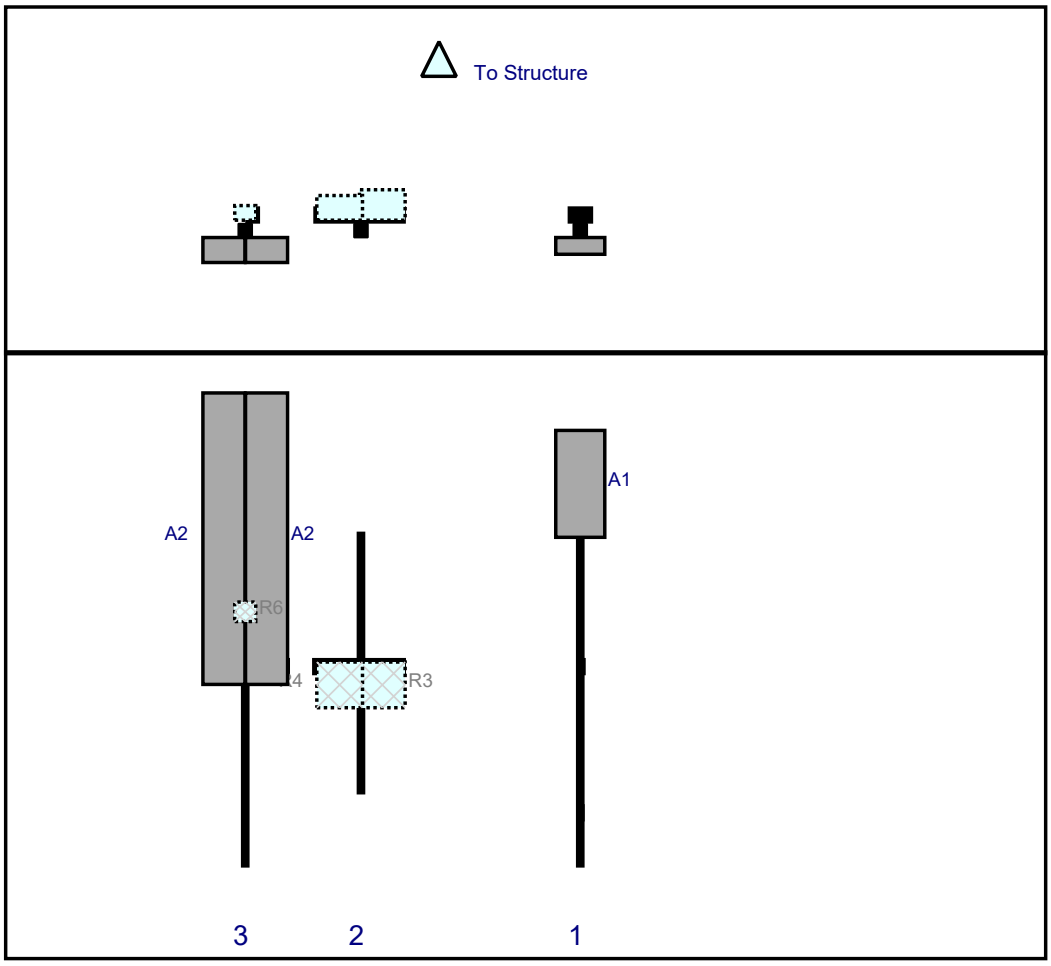
Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	nL-Sub6 Antenna	35.1	16.1	166	1	a	Front	18	0	Added	
R3	B2/B66A RRH-BR049	15	15	68	2	a	Behind	84	7	Retained	11/05/2020
R4	B5/B13 RRH-BR04C	15	15	68	2	a	Behind	84	-7	Retained	11/05/2020
A2	JAHH-65C-R3B-V2	95.7	13.8	30	3	a	Front	36	7	Retained	11/05/2020
A2	JAHH-65C-R3B-V2	95.7	13.8	30	3	b	Front	36	-7	Retained	11/05/2020
R6	CBC78T-DS-43-2X	6.4	6.9	30	3	a	Behind	60	0	Retained	11/05/2020
A5	BXA-70063-6CF	71	11.2	0	4	a	Front	60	0	Retained	11/05/2020

Plan View

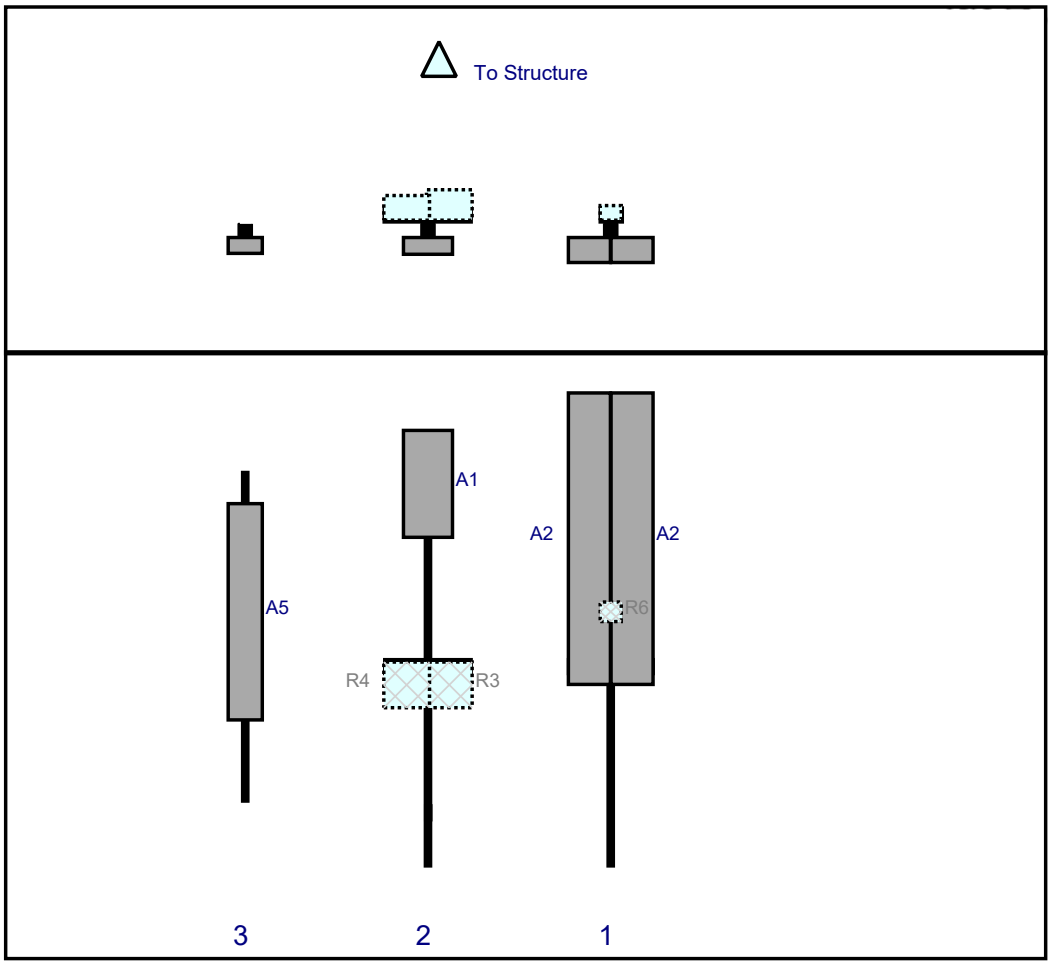
Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	nL-Sub6 Antenna	35.1	16.1	110	1	a	Front	18	0	Added	
R3	B2/B66A RRH-BR049	15	15	38	2	a	Behind	84	7	Retained	11/05/2020
R4	B5/B13 RRH-BR04C	15	15	38	2	a	Behind	84	-7	Retained	11/05/2020
A2	JAHH-65C-R3B-V2	95.7	13.8	0	3	a	Front	36	7	Retained	11/05/2020
A2	JAHH-65C-R3B-V2	95.7	13.8	0	3	b	Front	36	-7	Retained	11/05/2020
R6	CBC78T-DS-43-2X	6.4	6.9	0	3	a	Behind	60	0	Retained	11/05/2020

Plan View

Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A2	JAHH-65C-R3B-V2	95.7	13.8	120	1	a	Front	36	7	Retained	11/05/2020
A2	JAHH-65C-R3B-V2	95.7	13.8	120	1	b	Front	36	-7	Retained	11/05/2020
R6	CBC78T-DS-43-2X	6.4	6.9	120	1	a	Behind	60	0	Retained	11/05/2020
A1	nL-Sub6 Antenna	35.1	16.1	60	2	a	Front	18	0	Added	
R3	B2/B66A RRH-BR049	15	15	60	2	a	Behind	84	7	Retained	11/05/2020
R4	B5/B13 RRH-BR04C	15	15	60	2	a	Behind	84	-7	Retained	11/05/2020
A5	BXA-70063-6CF	71	11.2	0	3	a	Front	60	0	Retained	11/05/2020

Maser Consulting Connecticut

Subject	TIA-222-H Usage
Site Information	Site ID: 467439-VZW / STAMFORD CT Site Name: STAMFORD CT Carrier Name: Verizon Wireless Address: 300 Tresser Blvd. Stamford, Connecticut 06901 Fairfield County Latitude: 41.053152° Longitude: -73.533456°
Structure Information	Tower Type: 192.5-Ft Rooftop Mount Type: (13) Wall Mount

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 maps by ASCE 7 based on updated studies of the wind data.

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

Sincerely,

Dejian Xu, PE
Technical Specialist

MASER CONSULTING
— CONNECTICUT —

331 Newman Springs Road, Suite 203
Red Bank, NJ 07701
T: 732.383.1950
www.maserconsulting.com

March 29, 2021

Mr. Andrew Leone
Verizon Wireless
20 Alexander Dr.
Wallingford, CT 06492

Re: Verizon Wireless antenna Model Clarification for CT Siting Council

Dear Mr. Leone,

This letter is intended to clarify and confirm the antenna naming convention used by Verizon Wireless as a part of an antenna upgrade project on numerous wireless facilities.

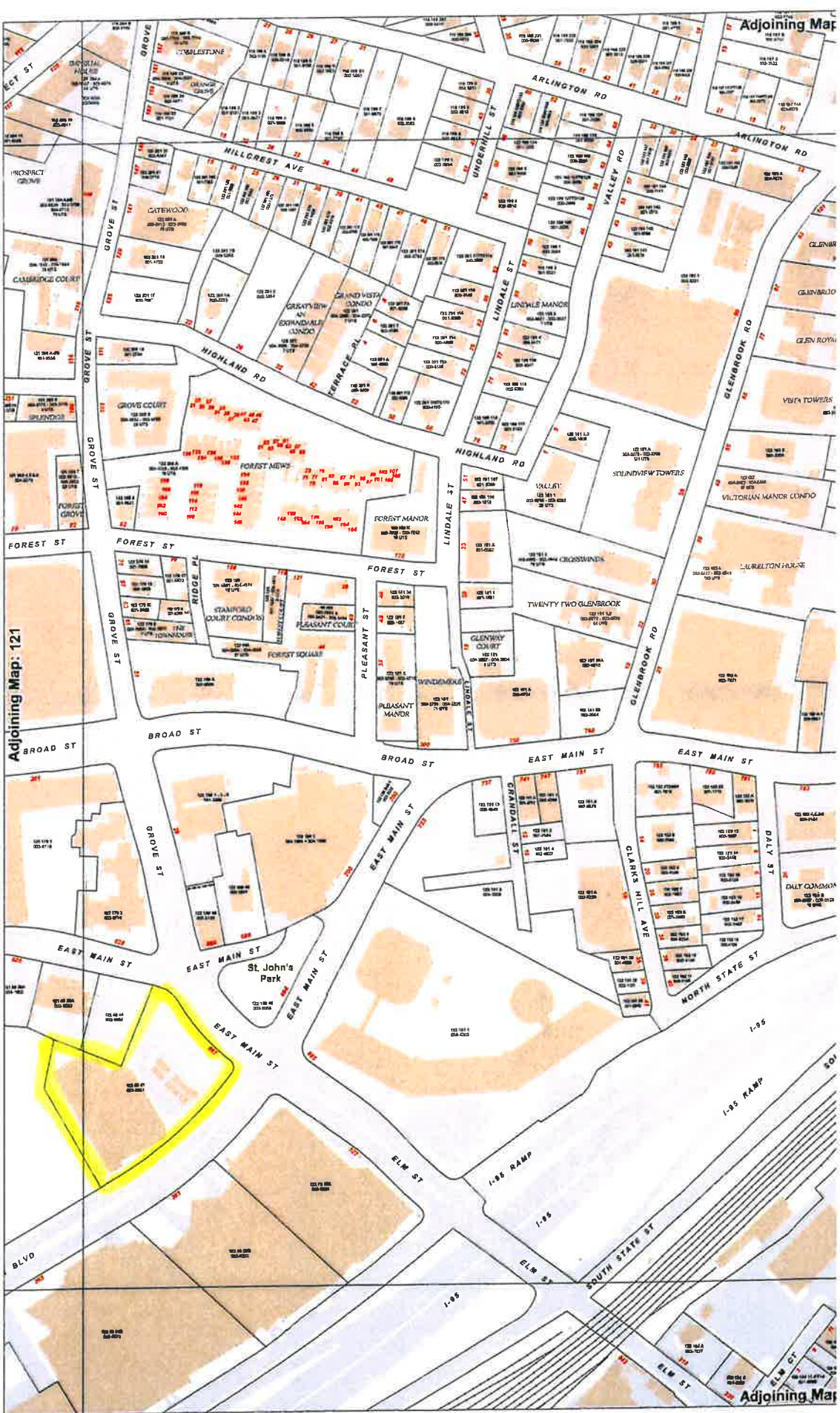
The antenna naming convention "Licensed Sub-6, L-Sub6, nL-Sub6, VZS01" and any other slight variants refer to the 64T64RMMU antenna manufactured by Samsung Electronics. These names are interchangeable and are used in various documents, including but not limited to the "Antenna Mount Analysis".

If you have any questions or comments, or require additional information, please do not hesitate to contact me.

Very truly yours,
MASER CONSULTING CONNECTICUT

Petros Toukalas
Connecticut Professional Engineer
License Number: 32577

ATTACHMENT 5



Disclaimer:
This map is for informational purposes only. All information is subject to verification by user. This map is not intended to represent survey accuracy. The City of Stamford assumes no legal responsibility for the information contained herein.

This tax map is not to be used for property boundary description, conveyance, or determination of legal title. Property descriptions must be obtained from surveys or deeds. The GIS parcel data has been compiled from many sources including assessor records, tax maps, surveys, and deeds. The tax maps are not a substitute for survey or deed information.

For more information contact the City of Stamford's Assessor's Office.

This map is formatted for 42" x 36" paper size only. Printing these maps on smaller paper will render the map scale (1"=100') inaccurate.

STAMFORD,CT

667 EAST MAIN STREET

Location
667 EAST MAIN STREET
Mblu
002/ 6361/ / /
Acct#
002-6361
Owner
BAYVIEW PRESERVATION PARTNERS
Assessment
$14,162,330
Appraisal
$20,231,900
PID
9373
Building Count

1

Current Value

Appraisal

Valuation Year	Improvements	Land	Total
2020	$16,102,280	$4,129,620	$20,231,900

Assessment

Valuation Year	Improvements	Land	Total
2020	$11,271,600	$2,890,730	$14,162,330

Owner of Record

Owner BAYVIEW PRESERVATION PARTNERS
Co-Owner
Address 300 TRESSER BLVD
STAMFORD, CT 06901
Sale Price $13,500,000
Book & Page 10585/0001
Sale Date 11/15/2012
Instrument 00

Ownership History

Ownership History

Owner	Sale Price	Book & Page	Instrument	Sale Date
BAYVIEW PRESERVATION PARTNERS	$13,500,000	10585/0001	00	11/15/2012
CORNERSTONE/BAYVIEW INC	$12,380,000	4841/0122	00	09/30/1997
N H T ASSOCIATES	$0	2196/0154	25	12/30/1982

Building Information
Building 1 : Section 1
Year Built: 1971
Living Area: 162,500

Building Attributes

Field	Description
Style:	Apt High Rise
Model	Comm/Ind
Grade	C++
Stories:	21
Occupancy	200.00
Exterior Wall 1	Brick/Masonry
Exterior Wall 2	
Roof Structure	Flat
Roof Cover	Rolled Compos
Interior Wall 1	Drywall/Plaste
Interior Wall 2	
Interior Floor 1	Vinyl/Asphalt
Interior Floor 2	Carpet
Heating Fuel	Gas/LP
Heating Type	Hot Wtr Bbd
AC Type	None
Struct Class	
Bldg Use	Apartment MDL-94
Total Rooms	
Total Bedrms	0
Total Baths	0
1st Floor Use:	800C
Heat/AC	None
Frame Type	FireProofSteel
Baths/Plumbing	Average
Ceiling/Wall	Ceil & Wall

Rooms/Prtns	Average
Wall Height	8.00
% Comn Wall	

Building Photo


Place!

BAS
(11,300 sf)

FUS
(150,200 sf)

FBM
(1,000 sf)

UBM
(5,732 sf)

Building Sub-Areas (sq ft) Legend

Code	Description	Gross Area	Living Area
FUS	Upper Story, Finished	150,200	150,200
BAS	First Floor	11,300	11,300
FBM	Finished Basement - Comm	1,000	1,000
UBM	Basement, Unfinished	5,732	0
		168,232	162,500

Extra Features

Extra Features Legend

Code	Description	Size	Value	Bldg #
EL2	Elev Pass	44.00 STOPS	$1,227,600	1
RP6	Porch Up Cov	8400.00 S.F	$166,660	1
RP6	Porch Up Cov	648.00 S.F	$12,860	1
RP6	Porch Up Cov	2880.00 S.F	$57,140	1
PGB	Parking Garage Below	35502.00 S.F	$1,166,600	1
SPR1	Sprinklers - Wet	35502.00 S.F.	$35,220	1

Land

Land Use

Use Code 800C
Description Apartment MDL-94
Zone CCN
Neighborhood 1000
Alt Land Appr No
Category

Land Line Valuation

Size (Acres) 2.27
Depth
Assessed Value $2,890,730
Appraised Value $4,129,620

Outbuildings

Outbuildings Legend

Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
LP3	Patio Concr			19500.00 S.F.	$89,510	1
LP4	Pavng Asphlt			50000.00 S.F	$36,000	1
AP1	Fence Chn Lk			200.00 L.F.	$1,730	1
CEL2	Cell - Roof Top			1.00 SITES	$138,750	1
CSHD	Cell Equipment			400.00 S.F.	$9,600	1

Valuation History

Appraisal

Valuation Year	Improvements	Land	Total
2019	$16,102,280	$4,129,620	$20,231,900
2018	$16,102,280	$4,129,620	$20,231,900
2017	$16,102,280	$4,129,620	$20,231,900

Assessment

Valuation Year	Improvements	Land	Total
2019	$11,271,600	$2,890,730	$14,162,330
2018	$11,271,600	$2,890,730	$14,162,330
2017	$11,271,600	$2,890,730	$14,162,330

closecloseclose

ATTACHMENT 6

STAMFORD

UNITED STATES POSTAL SERVICE®

Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here ***Postmark with Date of Receipt.***
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	3		neopost 06/14/2021 US POSTAGE $002.89 ZIP 06103 041L12203937
	Postmaster, per *(name of receiving employee)*		OLD STATE HOUSE STATION 06103 JUN 14 2021 USPS

USPS® Tracking Number / Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	David Martin, Mayor City of Stamford ~~Stamford Government Center~~ 888 Washington Boulevard Stamford, CT 06901				
2.	Ralph Blessing, Land Use Bureau Chief City of Stamford ~~Stamford Government Center~~ 888 Washington Boulevard Stamford, CT 06901				
3.	Bayview Preservation Partners 300 Tresser Boulevard Stamford, CT 06901				
4.					
5.					
6.					