10 Industrial Ave,
Suite 3
Mahwah NJ 07430

Phone: 201.684.0055
Fax: 201.684.0066

Transcend Wireless

July 1, 2021

Members of the Siting Council
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

RE: Notice of Exempt Modification
1590 Newfield Ave., Stamford, CT 06905 (aka 5 High Ridge Park Road)
Latitude: 41.5369
Longitude: -72.8933
T-Mobile Site#: CT11373A - Anchor

Dear Ms. Bachman:

T-Mobile currently maintains six (6) antennas at the 132-foot level and three (3)antennas at the 159-foot level of the existing 155-foot Monopole at the existing facility at 1590 Newfield Ave, in Stamford, CT (aka 5 High Ridge Park Road). The property is owned by Cellco Partnership. The tower is owned by American Tower. T-Mobile now intends to remove three (3) antennas and replace them with three (3) new 2500 MHz antennas. The new antennas support 5G services and will be installed at the same 132-foot level of the monopole.

Planned Modifications:
Tower:
Install New:
(3) AIR6449 B41 Antennas
(3) Radio 4449 B71 B85
(3) 4415 RRUs
(3) 6/24 Hybrid Trunk Cables

Existing to Remain:
(3) AIR32 KRD901146 Antennas
(3) APXVAARR24 Antennas
(3) 1 ¼" Hybrid Cables

To Be Removed:
(3) AIR21 KRC118023 Antennas

(3) Radio 4449 B12, B71 RRUs
(3) ATSBT Diplexers
(3) KRY 112 144/2 TTAs
(1) 1 ¼" Hybrid Cables
(18) 1 ⅝" Coax Cables

Ground:
Install New:
(1) BB6648 and (1) BB6630
(1) Enclosure 6160 Cabinet
(1) B160 Battery Cabinet
(1) Emerson Cabinet

To Be Removed:
(1) S8000 Cabinet and (1) 3106 Cabinet

This tower facility was originally approved by the Connecticut Siting Council in Docket No. 45 on September 14, 1984. The proposed modification complies with the approval.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies§ 16- SOj-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.SA. § 16-SOj-73, a copy of this letter is being sent to Mayor David Martin, Elected Official, and Ralph Blessing, Land Use Bureau Chief, as well as the property owner and tower owner.

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

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

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

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

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

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

6. The existing structure and its foundation can support the proposed loading.

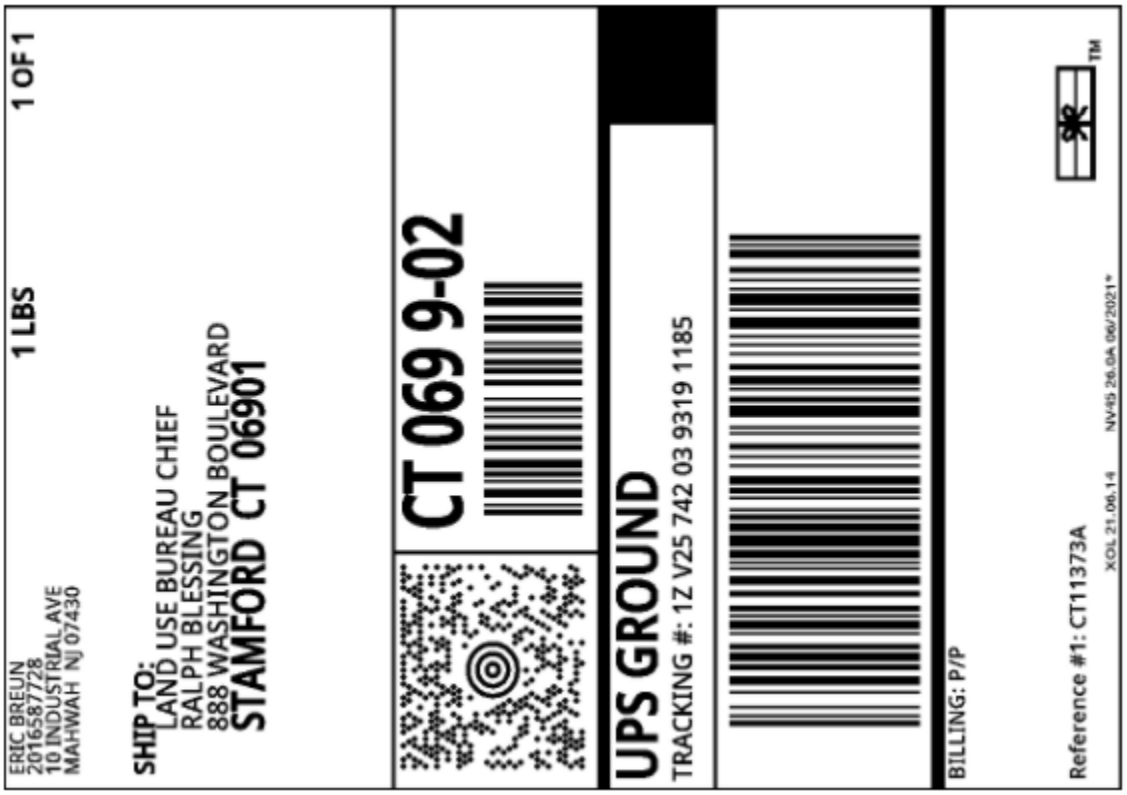
For the foregoing reasons, T-Mobile respectfully submits that the proposed modifications to the above referenced telecommunications facility constitute an exempt modification under R.C.S.A. § 16-50j-72(b)(2).

Sincerely,

Eric Breun

Transcend Wireless
Cell: 201-658-7728
Email: ebreun@transcendwireless.com

Attachments
cc: David Martin - Mayor of Stamford
Ralph Blessing - Land Use Bureau Chief
American Tower - Tower Owner
Cellco Partnership - Property Owner



ERIC BREUN
2016587728
10 INDUSTRIAL AVE
MAHWAH NJ 07430

1 LBS

1 OF 1

SHIP TO:
AMERICAN TOWER CORPORATION
10 PRESIDENTIAL WAY
WOBURN MA 01801

MA 018 9-04

UPS GROUND

TRACKING #: 1Z V25 742 03 9629 4318

BILLING: P/P

Reference #1: CT11373A

XOL 21.06.14 NV45 26.0A 06/2021*

ERIC BREUN
2016587728
10 INDUSTRIAL AVE
MAHWAH NJ 07430

1 LBS

1 OF 1

SHIP TO:
MAYOR
DAVID MARTIN
888 WASHINGTON BOULEVARD
STAMFORD CT 06901

CT 069 9-02

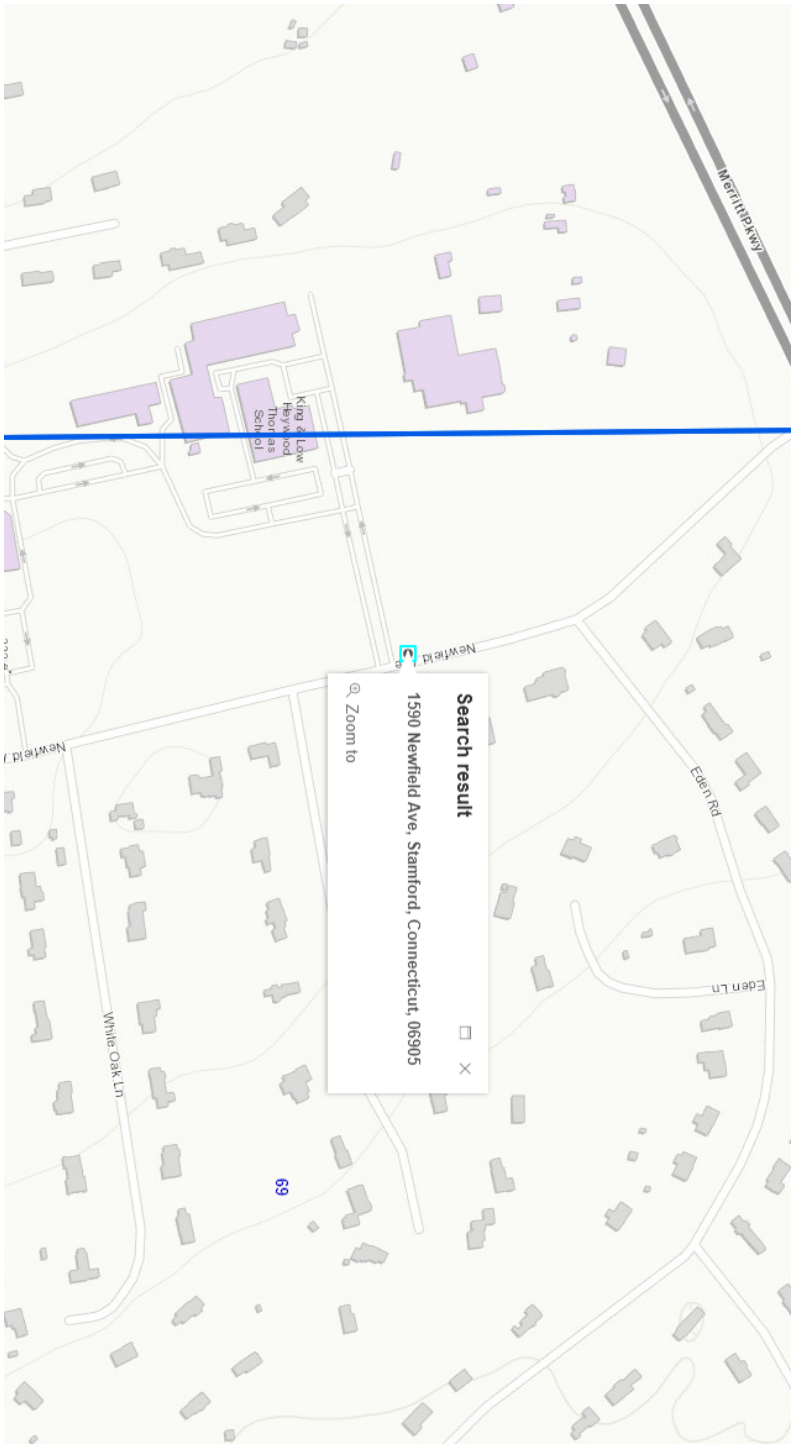
UPS GROUND

TRACKING #: 1Z V25 742 03 9466 9195

BILLING: P/P

Reference #1: CT11373A

XOL 21.06.14 NV45 26.0A 06/2021*



ERIC BREUN
2016587728
10 INDUSTRIAL AVE
MAHWAH NJ 07430

1 LBS

1 OF 1

SHIP TO:
CELLCO PARTNERSHIP
1 VERIZON WAY
BASKING RIDGE NJ 07920

NJ 078 9-71

UPS GROUND
TRACKING #: 1Z V25 742 03 9994 4324

BILLING: P/P

Reference #1: CT11373A

XOL 21.06.14 NV45 26.0A 06/2021*

DOCKET NO. 45

AN APPLICATION SUBMITTED BY THE SOUTHERN NEW ENGLAND TELEPHONE COMPANY FOR A CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED FOR THE CONSTRUCTION, MAINTENANCE, AND OPERATION OF FACILITIES TO PROVIDE CELLULAR SERVICE IN FAIRFIELD COUNTY.	:	CONNECTICUT SITING COUNCIL
	:	September 14, 1984

DECISION AND ORDER

Pursuant to the foregoing opinion, the Council hereby directs that a certificate of environmental compatibility and public need as required by section 16-50k of the General Statutes of Connecticut, revisions of 1958, revised to 1983, as amended, be issued to the Southern New England Telephone Company for the construction, operation, and maintenance of a telecommunications tower and associated equipment to provide cellular service at each of the following sites:

Kaechele Place, Bridgeport, Connecticut;
Connecticut Avenue, Norwalk, Connecticut;
Nells Rock Road, Shelton, Connecticut;
Newfield Avenue, Stamford, Connecticut; and
Bayberry Lane, (former Nike site), Westport, 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 towers shall be no taller than necessary to provide the proposed service, and in no event shall exceed

   a) 167' at the Bridgeport site,
   b) 167' at the Norwalk site,
   c) 189.5' at the Shelton site,
   d) 167' at the Stamford site,
   e) 117' at the Westport site;

2. A fence not lower than eight feet shall surround each tower and its associated equipment;

3. The applicant or its successor shall notify the Council if and when directional antennas or any other equipment is added to any of these facilities;

4. The applicant or its successor shall permit, in accordance with representations made by it during the proceeding, public or private entities to share space on the facilities, for due consideration received, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing;
5. Unless necessary to comply with condition number six, below, no lights shall be installed on any of these towers;
6. The facilities shall be constructed in accordance with all applicable federal, state, and municipal laws and regulations;
7. The applicant shall submit a development and management plan (D&M) for the Bridgeport, Stamford, and Westport sites pursuant to sections 16-50j-85 through 16-50j-87 of the regulations of state agencies, except that irrelevant items in section 16-50j-86 need only be identified as such. The D&M plans shall include appropriate evergreen screening of the sites, erosion control measures, reseeding plans, and tree removal plans. The applicant shall consult with the Stamford Environmental Protection Board in the preparation of a drainage and erosion control plan for the Stamford tower. The applicant shall comply with the reporting requirements of section 16-50j-87 for all sites;
8. Construction activities shall take place during daylight working hours;
9. This decision and order shall be void and the towers and associated equipment approved herein shall be dismantled and

removed, or reapplication for any new use shall be made to the Connecticut Siting Council before any such new use is made, if the towers do not provide or permanently cease to provide cellular service following completion of construction;

10. This decision and order shall be void if all construction authorized is not completed within three years of the issuance of this decision.

Pursuant to section 16-50p of the General Statutes, we hereby direct that a copy of the opinion and decision and order be served on each person listed below. A notice of the issuance shall be published in the Bridgeport Post, the Norwalk Hour, the Stamford Advocate, and the Shelton Suburban News, and the Westport News.

The parties to this proceeding are

The Southern New England Telephone Company Room 314 227 Church Street New Haven, Connecticut 06506	(Applicant)
Attention: Mr. Peter J. Tyrrell Senior Attorney	(its attorney)
Rolnick Observatory 52 Sawyer Road Fairfield, Connecticut	represented by: Frederick H. Bump Director
Mr. Adam Norton 40 Highland Road Westport, Connecticut 06880	
Representative John Wayne Fox 13 Apple Tree Drive Stamford, Connecticut 06906	(service waived)
Mr. George C. Lenfest 4 Highland Road Westport, Connecticut	

Mr. William Seiden
First Selectman
Town of Westport
110 Myrtle Avenue
P.O. Box 549
Westport, Connecticut 06881

Mr. Arthur L. Schimel
174 Bayberry Lane
Westport, Connecticut

Mr. Seymour Bendremer
11 Apache Trail
Westport, Connecticut

Ms. Gladys Floch
32 Woody Lane
Westport, Connecticut

Ms. Helen S. Cohen (service waived)
15 Highland Road
Westport, Connecticut

Mr. Jack Braverman
226 Bayberry Lane
Westport, Connecticut

Mr. Kevin Gavin (service waived)
191 Bayberry Lane
Westport, Connecticut

Mr. A.B. Beiser
12 Highland Road
Westport, Connecticut

Mr. Edward V. Polusky (service waived)
4 Hooper Road
Westport, Connecticut

Ms. Lois Schine represented by:

Mary D. Mix, Esquire
830 Post Road - East
Suite 100
Westport, Connecticut 06880

Mr. Allen Witt
3 Apache Trail
Westport, Connecticut

Ms. Gayle Shiller (service waived)
5 Apache Trail
Westport, Connecticut

Mrs. Ronnie Hammer
3 Hooper Road
Westport, Connecticut

Mr. Paul Rosenblatt (service waived)
7 Apache Trail
Westport, Connecticut

Mr. Henry J. Wolfson (service waived)
179 Bayberry Lane
Westport, Connecticut

Mr. Melvin H. Barr (service waived)
Planning Director
Town of Westport
110 Myrtle Avenue
P.O. Box 549
Westport, Connecticut 06881

Mr. Mark Infeld (service waived)
6 Apache Trail
Westport, Connecticut

Ms. Barbara Saipe (service waived)
Representative Town
Meeting Member
District #8
Town Hall
P.O. Box 549
Westport, Connecticut 06881

Ms. Peggy Goldenberg (service waived)
201 Bayberry Lane
Westport, Connecticut

Ms. Martha Hauhuth (service waived)
Board of Selectman
Town Hall
P.O. Box 549
Westport, Connecticut 06881

Ms. Meg Coffee
32 Otter Trail
Westport, Connecticut (service waived)

CERTIFICATION

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 14th day of September, 1984.

Council Members	Vote Cast
Gloria Dibble Pond Chairperson	Yes
Commissioner John Downey Designee: Commissioner Peter G. Boucher	Absent
Commissioner Stanley Pac	Absent
Owen L. Clark	Yes
Fred J. Doocy	Yes
Mortimer A. Gelston	Yes
James G. Horsfall	Yes
Janet Sitty	Yes
Colin C. Tait	Absent

STATE OF CONNECTICUT)
: ss. New Britain, September 14, 1984
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:

Christopher S. Wood

Christopher S. Wood, Executive Director
Connecticut Siting Council

Property Location EASTOVER ROAD | Map ID 004/ 2955/ / / | Bldg Name | State Use 200
Vision ID 183864 | Account # 004-2955 | Bldg # 1 | Sec # 1 of 1 | Card # 1 of 1 | 4/15/2021 1:45:51 PM

CURRENT OWNER

CELLCO PARTNERSHIP
VERIZON WIRELESS
P.O. BOX 2549
ADDISON TX 75001

TOPO	UTILITIES	STRT / ROAD	LOCATION
	6 Septic	3 Unpaved	
	5 Well	1 Paved	
	7		

SUPPLEMENTAL DATA

Alt Prcl ID	68 383 4	DSSD	
Survey1	13380	Agent Nam	
Survey2	12210	Roll	1
Census Tr	207	Common	TEL/ELEC SWITC
Census Bl	3008	Neighborh	NEWFLD:
Sewer Acct	Y		
GIS ID	E 011Z 2648	Assoc Pid#	

CURRENT ASSESSMENT

Description	Code	Appraisec	Assessed
COM LAND	2-1	592,610	414,830
COM BLDG	2-2	28,050	19,640
COM OUTBL	2-5	384,270	268,990
Total		1,004,930	703,460

6135
STAMFORD, CT

VISION

RECORD OF OWNERSHIP

RECORD OF OWNERSHIP	BK-VOL/PAGE		SALE DATE	Q/U	V/I	SALE PRICE	VC
CELLCO PARTNERSHIP	4954	0250	03-30-1998	Q	I	594,710	00
METRO MOBILE CTS OF FAIRFIELD	3571	0172	05-23-1990	Q	I	0	00

PREVIOUS ASSESSMENTS (HISTORY)

Year	Code	Assessed	Year	Code	Assessed	Year	Code	Assessed
2020	2-1	414,830	2020	2-1	414,830	2019	2-1	414,830
	2-2	19,640		2-2	19,640		2-2	19,640
	2-5	268,990		2-5	268,990		2-5	268,990
	Total	703460		Total	703460		Total	703460

EXEMPTIONS

Year	Code	Description	Amount
		Total	0.00

OTHER ASSESSMENTS

Code	Description	Number	Amount	Comm Int

This signature acknowledges a visit by a Data Collector or Assessor

ASSESSING NEIGHBORHOOD

Nbhd	Nbhd Name	B	Tracing	Batch
0100				

NOTES

SUBD 13380: LIST
004-1042 SPLIT INTO
004-2952 THRU
004-2955, LOTS 1-4
TELEPHONE UTILITIES BUILDING
W/CELL TOWER

APPRAISED VALUE SUMMARY

Appraised Bldg. Value (Card)	28,050
Appraised Xf (B) Value (Bldg)	0
Appraised Ob (B) Value (Bldg)	384,270
Appraised Land Value (Bldg)	592,610
Special Land Value	0
Total Appraised Parcel Value	1,004,930
Valuation Method	C
Total Appraised Parcel Value	1,004,930

BUILDING PERMIT RECORD

Permit Id	Issue Date	Type	Description	Amount	Insp Date	% Comp	Date Comp	Comments
B-19-891	09-04-2019	NV		0		100	01-11-2021	UPGRADE & REPLACE EQUI
B-18-1661	10-16-2018	NV	No Value			0		INSTALL 3 NEW ANTENNAS
B-17-831	08-10-2017	NV	No Value			0		UPGRADE EQUIPMENT AT E
B-17-494	03-29-2017	NV	No Value			0		UPGRADES TO EXISTING C

VISIT / CHANGE HISTORY

Date	Id	Type	Is	Cd	Purpost/Result
02-23-2021	ROB			61	Income and Exp
10-18-2012	SM			80	Walk Around, No one hom
08-24-2012	SM			80	Walk Around, No one hom
02-20-2004	BJ			20	Informal Hearing (C)
10-03-2003	RGB			13	Split

LAND LINE VALUATION SECTION

B	Use Code	Description	Zone	Distri	District Desc.	Land Units		Unit Price	I. Factor	Site Index	Cond.	Nbhd.	Nhbd Adj	Notes	Location Adjustment		Adj Unit Pric	Land Value
1	200	Commercial MD	RA1	4		3.460	AC	357,043.5	0.47971	C	1.00	0100	1.000			0	171,273.77	592,610
Total Card Land Units						3.460	AC	Parcel Total Land Area:		3.4600							Total Land Value	592,610

Property Location EASTOVER ROAD | Map ID 004/ 2955/ / / | Bldg Name | State Use 200
Vision ID 183864 | Account # 004-2955 | Bldg # 1 | Sec # 1 of 1 | Card # 1 of 1 | 4/15/2021 1:45:52 PM

CONSTRUCTION DETAIL

Element	Cd	Description
Style:	66	Telephone Bldg
Model	94	Comm/Ind
Grade	04	C
Stories:	1	
Occupancy	1.00	
Exterior Wall 1	27	Pre-finsh Metl
Exterior Wall 2		
Roof Structure	01	Flat
Roof Cover	04	T&G/Rubber
Interior Wall 1	01	Minimum
Interior Wall 2		
Interior Floor 1	03	Concrete Slab
Interior Floor 2		
Heating Fuel	03	Oil
Heating Type	08	Radiant
AC Type	01	None
Bldg Use	300C	Industrial MDL-94
Total Rooms		
Total Bedrms	00	
Total Baths	0	
Heat/AC	00	None
Frame Type	02	Wood Frame
Baths/Plumbing	00	None
Ceiling/Wall	04	Ceil & Mn Wall
Rooms/Prtns	01	Light
Wall Height	9.00	
% Comn Wall		
1st Floor Use:	300C	

CONSTRUCTION DETAIL (CONTINUED)

Element	Cd	Description

MIXED USE

Code	Description	Percentage
200	Commercial MDL-94	100
		0
		0

COST / MARKET VALUATION

RCN	32,999
Year Built	1994
Effective Year Built	
Depreciation Code	A
Remodel Rating	
Year Remodeled	
Depreciation %	15
Functional Obsol	
External Obsol	
Trend Factor	1
Condition	
Condition %	
Percent Good	85
RCNLD	28,050
Dep % Ovr	
Dep Ovr Comment	
Misc Imp Ovr	
Misc Imp Ovr Comment	
Cost to Cure Ovr	
Cost to Cure Ovr Comment	

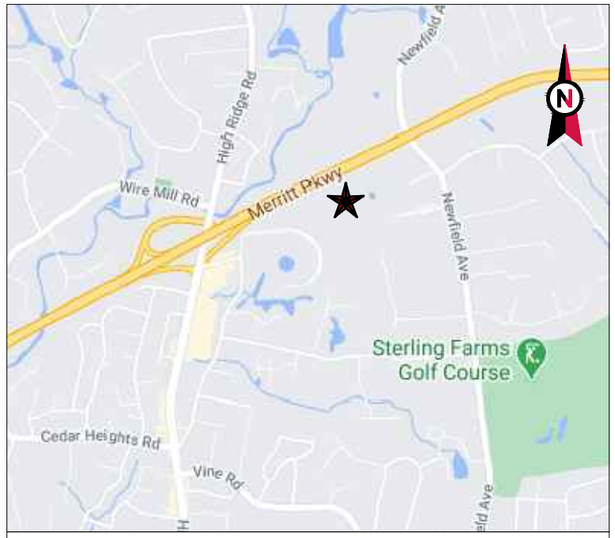
BAS (415 sf)

OB - OUTBUILDING & YARD ITEMS(L) / XF - BUILDING EXTRA FEATURES(B)

Code	Description	L/B	Units	Unit Price	Yr Blt	Cond. Cd	% Good	Grade	Grade Adj	Appr. Value
AP1	Fence Chn Lk	L	1,596	11.50	1993	A	75	C	1.00	13,770
CEL1	Cell Tower	L	2	195000.0	2012	E	95		0.00	370,500

BUILDING SUB-AREA SUMMARY SECTION

Code	Description	Living Area	Floor Area	Eff Area	Unit Cost	Undeprec Value
BAS	First Floor	415	415		79.52	32,999
	Ttl Gross Liv / Lease Area	415	415			32,999



VICINITY MAP

AMERICAN TOWER®

ATC SITE NAME: SMFR - NORTH
ATC SITE NUMBER: 302515
T-MOBILE SITE NAME: STAMFORD/MP EXIT 35-36
T-MOBILE SITE NUMBER: CT11373A
SITE ADDRESS: 5 HIGH RIDGE PARK ROAD
STAMFORD, CT 06905-1403

LOCATION MAP

T-MOBILE ANCHOR ANTENNA AMENDMENT PLAN
67D5A997DB HYBRID CONFIGURATION

COMPLIANCE CODE

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

1. 2015 INTERNATIONAL BUILDING CODE (IBC)
2. 2017 NATIONAL ELECTRIC CODE (NEC)
3. LOCAL BUILDING CODE
4. CITY/COUNTY ORDINANCES

UTILITY COMPANIES

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

TELEPHONE COMPANY: FRONTIER COMMUNICATIONS
PHONE: (800) 376-6843

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

PROJECT SUMMARY

SITE ADDRESS:

5 HIGH RIDGE PARK ROAD

STAMFORD, CT 06905-1403

COUNTY: FAIRFIELD

GEOGRAPHIC COORDINATES:

LATITUDE: 41.11275

LONGITUDE: -73.53835278

GROUND ELEVATION: 227' AMSL

PROJECT TEAM

TOWER OWNER:

AMERICAN TOWER
10 PRESIDENTIAL WAY
WOBURN, MA 01801

ENGINEER:

KIMLEY -HORN
& ASSOCIATES
421 FAYETTEVILLE ST, STE 600
RALEIGH, NC 27601
COA: PEC.0000738

PROPERTY OWNER:

BELL ATLANTIC
5 HIGH RIDGE PARK ROAD
STAMFORD, CT 06905

APPLICANT:

T-MOBILE CENTRAL LLC
ATTN: BILAL BATROUKH
1400 OPUS PLACE
DOWNERS GROVE, IL 60515

PROJECT DESCRIPTION

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

TOWER WORK:

REMOVE (3) AIR21 KRC118023-1_B2A_B4P ANTENNA(s), (3) 4449 B12,B71 RRU(s), (3) ATSBT-TOP-MF-4G DIPLEXER, (3) KRY 112 144/2 TTA AND (1) 1 1/4" HYBRID CABLE, (18) 1 5/8"COAX CABLE(s)

INSTALL (3) AIR6449 B41 ANTENNA(s), (3) 4449 B71 B85A RRU(s), (3) RRUS 4415 B25 RRU(s) AND (3) 6/24 HYBRID TRUNK CABLE(s)

EXISTING (3) APXVAARR224_43-U-NA20 ANTENNA(s), (3) AIR32 KRD901146-1_B66A_B2A ANTENNA(s), AND (3) 1 1/4" HYBRID CABLE TO REMAIN

GROUND WORK:

REMOVE (1) S8000 OUTDOOR CABINET, (1) 3106 CABINET

INSTALL (1) ENCLOSURE 6160 CABINET, (1) B160 CABINET, (1) BB 6630, AND (1) BB 6648, (1) EMERSON CABINET

EXISTING (1) RBS 6102 CABINET, (2) DUW30, (1) DUG20, (2) BB 6630, AND (3) RUS01 B4 TO REMAIN

PROJECT NOTES

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

PROJECT LOCATION DIRECTIONS

FROM HARTFORD TAKE I-91 SOUTH TO EXIT 16 FOR WILBUR CROSS PARKWAY (THIS TURNS IN MERRITT PARKWAY). STAY ON MERRITT TO EXIT 35. TURN RIGHT OFF EXIT, GO TO FIRST LIGHT AND TURN LEFT ON BUXTON FARMS RD. GO TO STOP SIGN AND TURN LEFT ON TURN OF RIVER ROAD. FOLLOW TO FIVE HIGH RIDGE PARK AND TURN LEFT. ACCESS ROAD ENTRANCE IS AT REAR LEFT OF PARKING LOT.

SHEET INDEX

SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:
G-001	TITLE SHEET	0	06/25/21	KB
G-002	GENERAL NOTES	0	06/25/21	KB
C-101	DETAILED SITE PLAN	0	06/25/21	KB
C-102	GROUND DETAIL PLAN	0	06/25/21	KB
C-201	TOWER ELEVATION	0	06/25/21	KB
C-401	EXISTING ANTENNA INFORMATION & SCHEDULE	0	06/25/21	KB
C-402	PROPOSED ANTENNA INFORMATION & SCHEDULE	0	06/25/21	KB
C-501	CONSTRUCTION DETAILS	0	06/25/21	KB
E-501	GROUNDING DETAILS	0	06/25/21	KB
R-601	SUPPLEMENTAL	0	06/25/21	KB
R-602	SUPPLEMENTAL			
R-603	SUPPLEMENTAL			
R-604	SUPPLEMENTAL			
R-605	SUPPLEMENTAL			
R-606	SUPPLEMENTAL			

AMERICAN TOWER®

Kimley»Horn

COA: PEC.0000738
421 FAYETTEVILLE ST, SUITE 600
RALEIGH, NC 27601

REV.	DESCRIPTION	BY	DATE
A	PRELIM	KB	03/03/21
0	ISSUED FOR CONSTRUCTION	NJ	06/25/21

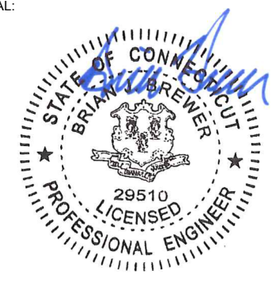
ATC SITE NUMBER:
302515

ATC SITE NAME:
SMFR - NORTH

T-MOBILE SITE NAME:
STAMFORD/MP EXIT 35-36

SITE ADDRESS:
5 HIGH RIDGE PARK ROAD
STAMFORD, CT 06905-1403

SEAL:



T-Mobile

DATE DRAWN:	06/25/21
ATC JOB NO:	13337519_G3
CUSTOMER ID:	STAMFORD/MP EXIT 35-36
CUSTOMER #:	CT11373A

TITLE SHEET

SHEET NUMBER: G-001

REVISION: 0

GENERAL CONSTRUCTION NOTES:

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

SPECIAL CONSTRUCTION ANTENNA INSTALLATION NOTES:

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

ELECTRICAL NOTES:

2. ELECTRICAL DESIGN SHALL BE PERFORMED BY ELECTRICAL CONTRACTOR. STRUCTURAL DESIGN SHALL BE PERFORMED BY GENERAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL ENSURE THAT ALL WORK COMPLIES WITH ALL APPLICABLE LOCAL AND STATE CODES AND NATIONAL ELECTRICAL CODE.
3. ALL SUGGESTED ELECTRICAL ELEMENTS (SUCH AS BREAKER SIZES, WIRE SIZES, CONDUITS SIZES ARE FOR ZONING PURPOSES ONLY. IT IS THE RESPONSIBILITY TO OF THE ELECTRICAL CONTRACTOR TO CONFIRM COMPLIANCE WITH LOCAL ELECTRICAL CODES AND PASS ALL APPLICABLE AND NECESSARY INSPECTIONS. IN SOME EVENTS, IT MAY BE NECESSARY TO PERFORM AN ELECTRICAL LOAD STUDY TO VERIFY THE CAPACITY OF THE EXISTING SERVICE. THIS IS NOT THE RESPONSIBILITY OF CONCORDIA. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
4. CONTRACTOR SHALL FIELD LOCATE ALL BELOW GRADE GROUND LINES AND UTILITY LINES PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR RELOCATION OF ALL UTILITIES AND GROUND LINES THAT MAY BECOME DISTURBED OR CONFLICTING IN THE COURSE OF CONSTRUCTION.

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

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RALEIGH, NC 27601

REV.	DESCRIPTION	BY	DATE
A	PRELIM	KB	03/03/21
0	ISSUED FOR CONSTRUCTION	NJ	06/25/21

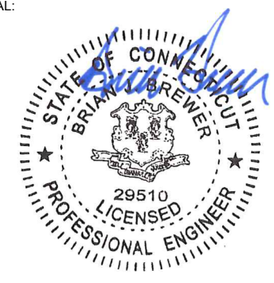
ATC SITE NUMBER:
302515

ATC SITE NAME:
SMFR - NORTH

T-MOBILE SITE NAME:
STAMFORD/MP EXIT 35-36

SITE ADDRESS:
5 HIGH RIDGE PARK ROAD
STAMFORD, CT 06905-1403

SEAL:



T··Mobile·

DATE DRAWN:	06/25/21
ATC JOB NO:	13337519_G3
CUSTOMER ID:	STAMFORD/MP EXIT 35-36
CUSTOMER #:	CT11373A

GENERAL NOTES

SHEET NUMBER:	REVISION:
G-002	0

SITE PLAN NOTES:

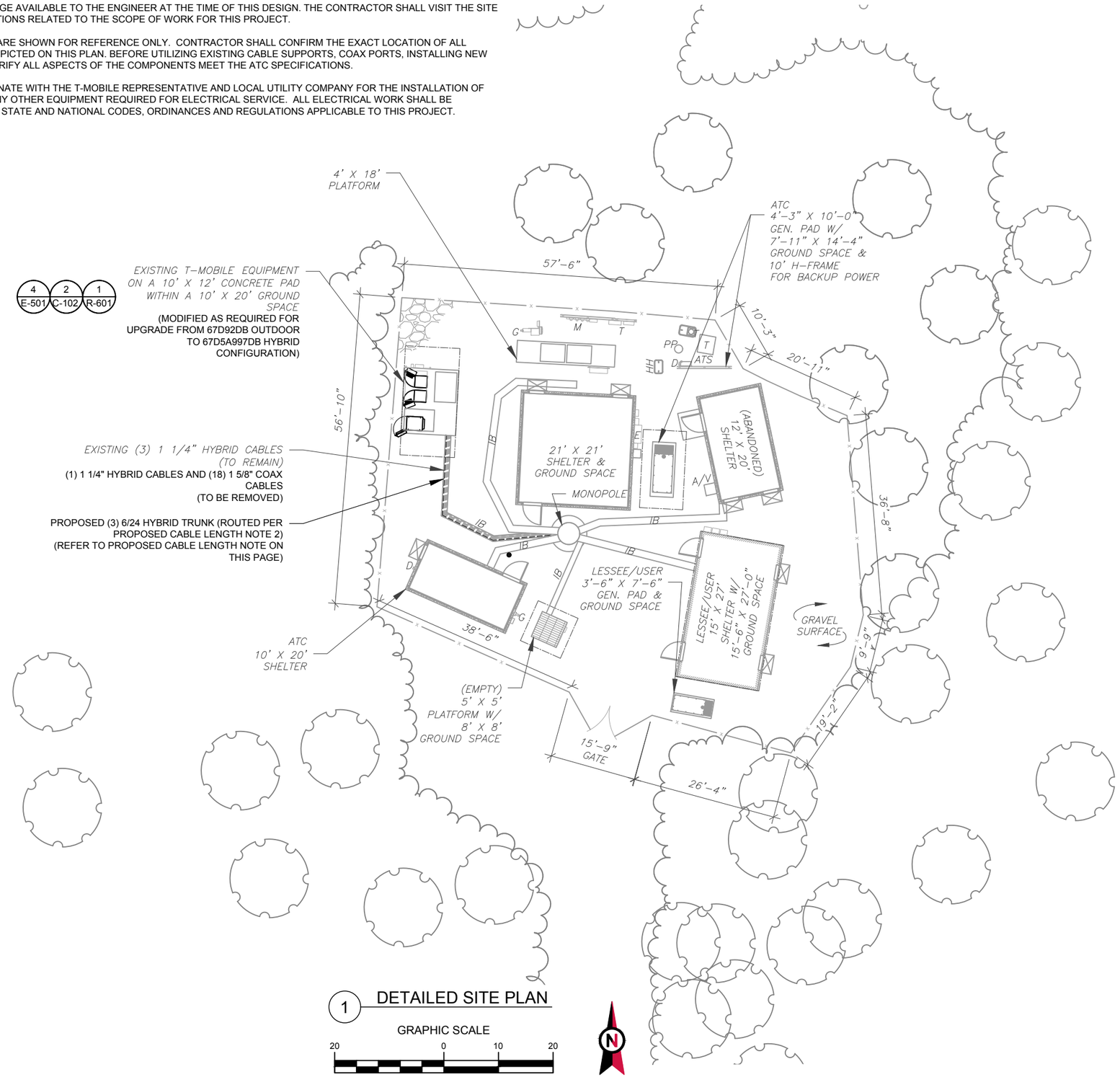
1. THIS SITE PLAN REPRESENTS THE BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF THIS DESIGN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION AND VERIFY ALL EXISTING CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT.

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

3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE T-MOBILE REPRESENTATIVE AND LOCAL UTILITY COMPANY FOR THE INSTALLATION OF CONDUITS, CONDUCTORS, BREAKERS, DISCONNECTS, OR ANY OTHER EQUIPMENT REQUIRED FOR ELECTRICAL SERVICE. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH LATEST EDITION OF THE STATE AND NATIONAL CODES, ORDINANCES AND REGULATIONS APPLICABLE TO THIS PROJECT.

LEGEND

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



1 DETAILED SITE PLAN

GRAPHIC SCALE

20 0 10 20

(IN FEET)
1 UNIT = 20 FEET

PROPOSED CABLE LENGTH:

1. ESTIMATED LENGTH OF PROPOSED CABLE IS **224'**. ESTIMATED LENGTH OF CABLE WAS PROVIDED BY CUSTOMER OR CALCULATED BY ADDING THE RAD CENTER AND THE DISTANCE FROM THE SHELTER ENTRY PLATE TO THE TOWER (ALONG THE ICE BRIDGE) AND A SAFETY FACTOR MEASUREMENT OF 15% (OF THE TWO PREVIOUS VALUES), CDS DEFER TO GREATEST CABLE LENGTH.
2. ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. IF ADEQUATE SPACE EXISTS, ROUTE CABLES THROUGH ENTRY PORT HOLE, UP INSIDE OF MONOPOLE, AND THROUGH EXIT PORT HOLE. IF ROUTING OUTSIDE THE MONOPOLE, ATTACH CABLES USING STAND-OFF ADAPTERS MOUNTED TO TOWER USING STAINLESS STEEL BANDING. ADEQUATELY SECURE CABLES USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER.

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A	PRELIM	KB	03/03/21
0	ISSUED FOR CONSTRUCTION	NJ	06/25/21

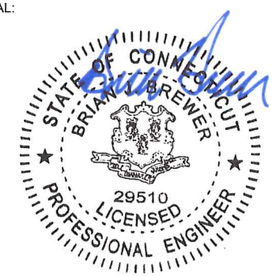
ATC SITE NUMBER:
302515

ATC SITE NAME:
SMFR - NORTH

T-MOBILE SITE NAME:
STAMFORD/MP EXIT 35-36

SITE ADDRESS:
5 HIGH RIDGE PARK ROAD
STAMFORD, CT 06905-1403

SEAL:



T-Mobile

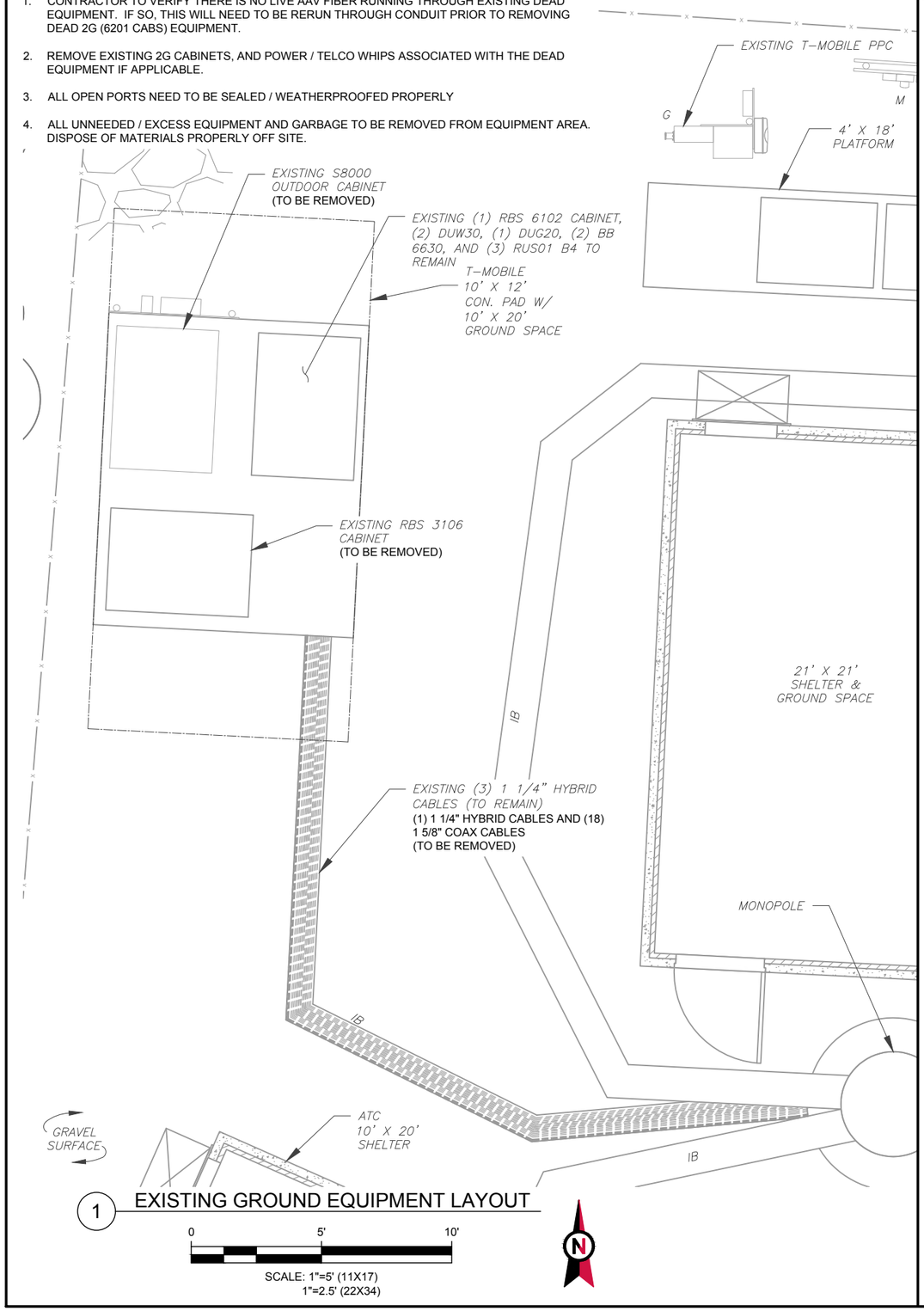
DATE DRAWN:	06/25/21
ATC JOB NO:	13337519_G3
CUSTOMER ID:	STAMFORD/MP EXIT 35-36
CUSTOMER #:	CT11373A

DETAILED SITE PLAN

SHEET NUMBER:	REVISION:
C-101	0

SITE PLAN NOTES:

1. CONTRACTOR TO VERIFY THERE IS NO LIVE AAV FIBER RUNNING THROUGH EXISTING DEAD EQUIPMENT. IF SO, THIS WILL NEED TO BE RERUN THROUGH CONDUIT PRIOR TO REMOVING DEAD 2G (6201 CABS) EQUIPMENT.
2. REMOVE EXISTING 2G CABINETS, AND POWER / TELCO WHIPS ASSOCIATED WITH THE DEAD EQUIPMENT IF APPLICABLE.
3. ALL OPEN PORTS NEED TO BE SEALED / WEATHERPROOFED PROPERLY
4. ALL UNNEEDED / EXCESS EQUIPMENT AND GARBAGE TO BE REMOVED FROM EQUIPMENT AREA. DISPOSE OF MATERIALS PROPERLY OFF SITE.

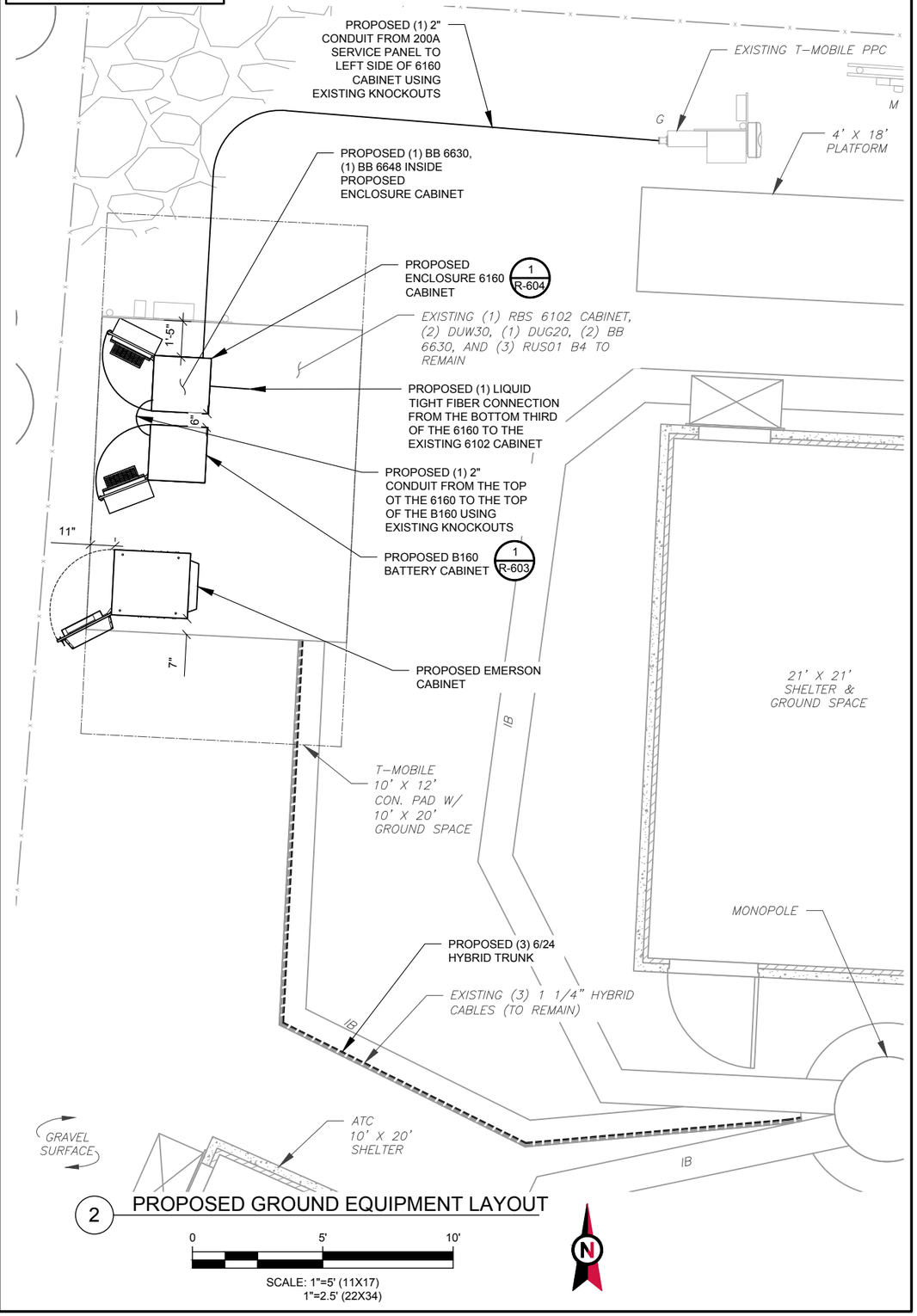


1 EXISTING GROUND EQUIPMENT LAYOUT

0 5' 10'

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

T-MOBILE CM APPROVAL REQUIRED BEFORE INSTALLING CABINETS



2 PROPOSED GROUND EQUIPMENT LAYOUT

0 5' 10'

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

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SITE ADDRESS:
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STAMFORD, CT 06905-1403

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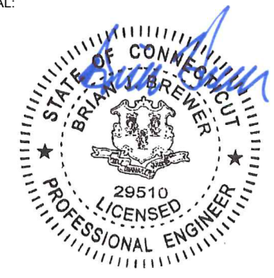
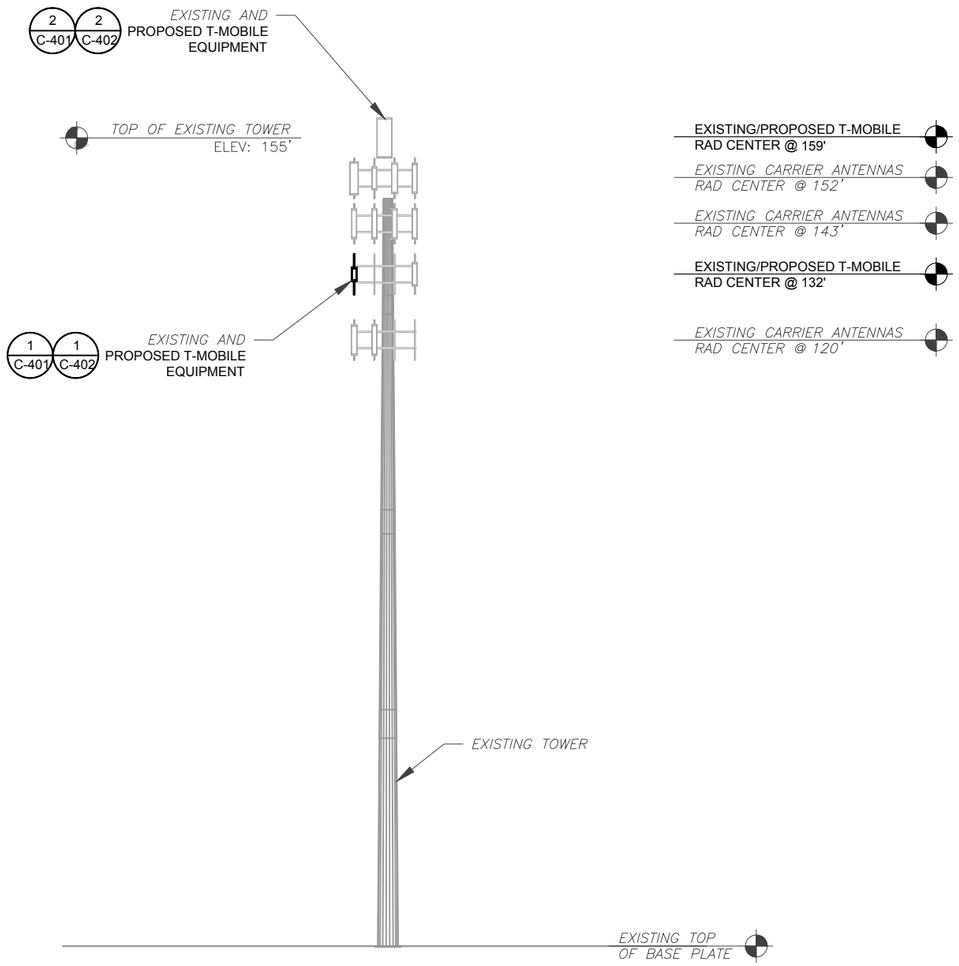


T-Mobile

DATE DRAWN:	06/25/21
ATC JOB NO:	13337519_G3
CUSTOMER ID:	STAMFORD/MP EXIT 35-36
CUSTOMER #:	CT11373A

DETAILED GROUND PLAN

SHEET NUMBER:	REVISION:
C-102	0



1 TOWER ELEVATION
SCALE: N.T.S.

PER MOUNT ANALYSIS COMPLETED BY ETS, DATED 03/24/21, THE EXISTING MOUNT MUST BE MODIFIED TO ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION PROPOSED IN THE MOUNT ANALYSIS, INCLUDED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT

TOWER NOTE:

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM WITH THE PROJECT MANAGER THAT THEY HAVE THE MOST RECENT VERSION OF THE STRUCTURAL ANALYSIS BEFORE COMMENCING WORK. EXISTING AND PROPOSED TOWER APPURTENANCES, MOUNTS, AND ANTENNAS ARE SHOWN BASED ON THE STRUCTURAL ANALYSIS.
2. WHERE APPLICABLE, ALL NEW ANTENNAS, EQUIPMENT, MOUNTS, CABLING, ETC. SHALL BE PAINTED/SOCKED TO MATCH EXISTING EQUIPMENT IN ACCORDANCE WITH FAA, JURISDICTION, AND/OR OTHER LOCAL REQUIREMENTS.
3. ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. IF ADEQUATE SPACE EXISTS, ROUTE CABLES THROUGH ENTRY PORT HOLE, UP INSIDE OF MONOPOLE, AND THROUGH EXIT PORT HOLE. IF ROUTING OUTSIDE THE MONOPOLE, ATTACH CABLES USING STAND-OFF ADAPTERS MOUNTED TO TOWER USING STAINLESS STEEL BANDING. ADEQUATELY SECURE CABLES USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER.
4. TOWER ELEVATIONS ARE MEASURED FROM TOP OF BASE PLATE TO MATCH STRUCTURAL ANALYSIS. ELEVATIONS DO NOT REFLECT TRUE ABOVE GROUND LEVEL (A.G.L.)

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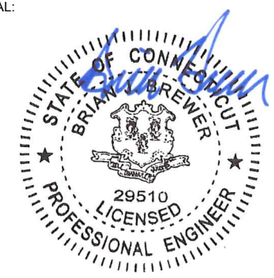

T-Mobile

DATE DRAWN:	06/25/21
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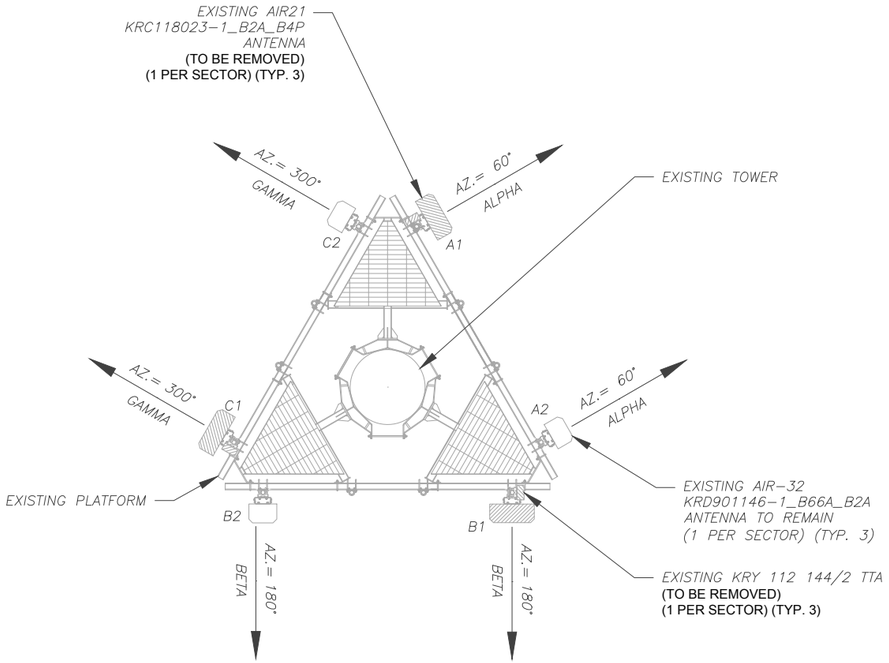
CUSTOMER ID:	STAMFORD/MP EXIT 35-36
CUSTOMER #:	CT11373A

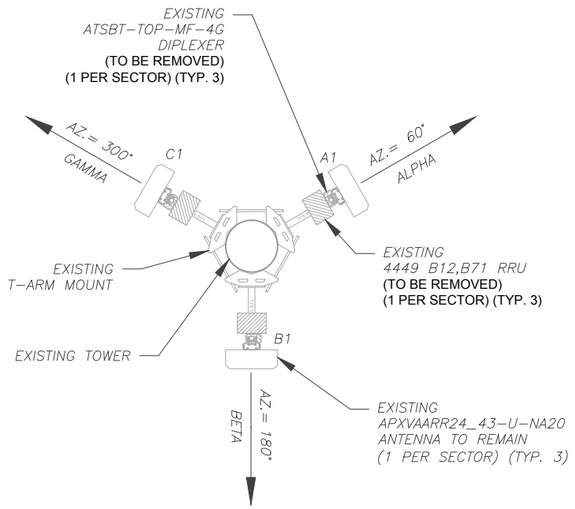
TOWER ELEVATION

SHEET NUMBER: C-201

REVISION: 0



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



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

EXISTING ANTENNA SCHEDULE

LOCATION			ANTENNA SUMMARY					NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	MECH/ELEC D-TILT	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	132'	60°	A1	AIR21 KRC1180823-1_B2A_B4P	1900/2100	0°	RMV	KRY 112 144/2	RMV
			A2	AIR32 KRD901146-1_B66A_B2A	1900/2100	0°	RMN	–	–
BETA	132'	180°	B1	AIR21 KRC1180823-1_B2A_B4P	1900/2100	0°	RMV	KRY 112 144/2	RMV
			B2	AIR32 KRD901146-1_B66A_B2A	1900/2100	0°	RMN	–	–
GAMMA	132'	300°	C1	AIR21 KRC1180823-1_B2A_B4P	1900/2100	0°	RMV	KRY 112 144/2	RMV
			B2	AIR32 KRD901146-1_B66A_B2A	1900/2100	0°	RMN	–	–

NOTES

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

STATUS ABBREVIATIONS

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

CABLE LENGTHS FOR JUMPERS

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

EXISTING ANTENNA SCHEDULE

LOCATION			ANTENNA SUMMARY					NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	MECH/ELEC D-TILT	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	159'	60°	A1	APXVAARR24_43-U-NA20	600/700	0°	RMN	4449 B12,B71, ATSBT-TOP-MF-4G	RMV RMV
BETA	159'	180°	B1	APXVAARR24_43-U-NA20	600/700	0°	RMN	4449 B12,B71, ATSBT-TOP-MF-4G	RMV RMV
GAMMA	159'	300°	C1	APXVAARR24_43-U-NA20	600/700	0°	RMN	4449 B12,B71, ATSBT-TOP-MF-4G	RMV RMV

EXISTING FIBER DISTRIBUTION/OVP BOX		EXISTING CABLING SUMMARY		
MODEL NUMBER	STATUS	COAX	HYBRID	STATUS
–	–	–	(1) 1 1/4"	RMN
–	–	–	(1) 1 1/4"	RMV

EXISTING FIBER DISTRIBUTION/OVP BOX		EXISTING CABLING SUMMARY		
MODEL NUMBER	STATUS	COAX	HYBRID	STATUS
–	–	(18) 1 5/8"	–	RMV
–	–	–	(2) 1 1/4"	RMN

3 EQUIPMENT SCHEDULES

AMERICAN TOWER®

Kimley»Horn

COA: PEC.0000738
421 FAYETTEVILLE ST, SUITE 600
RALEIGH, NC 27601

REV.	DESCRIPTION	BY	DATE
A	PRELIM	KB	03/03/21
0	ISSUED FOR CONSTRUCTION	NJ	06/25/21

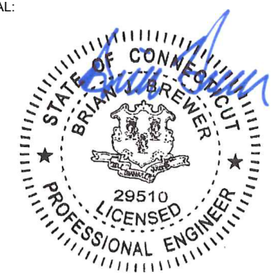
ATC SITE NUMBER:
302515

ATC SITE NAME:
SMFR - NORTH

T-MOBILE SITE NAME:
STAMFORD/MP EXIT 35-36

SITE ADDRESS:
5 HIGH RIDGE PARK ROAD
STAMFORD, CT 06905-1403

SEAL:

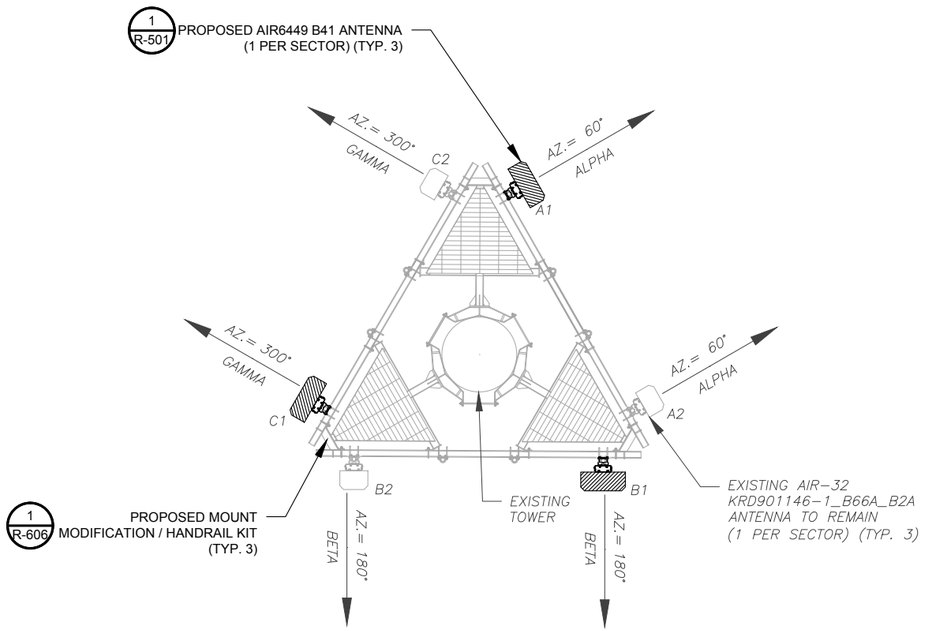


T-Mobile

DATE DRAWN:	06/25/21
ATC JOB NO:	13337519_G3
CUSTOMER ID:	STAMFORD/MP EXIT 35-36
CUSTOMER #:	CT11373A

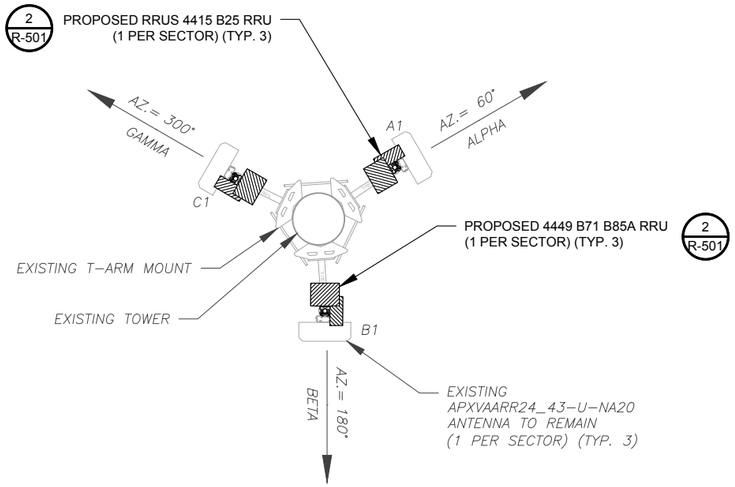
ANTENNA INFORMATION & SCHEDULE

SHEET NUMBER:	REVISION:
C-401	0



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

PER MOUNT ANALYSIS COMPLETED BY ETS, DATED 03/24/21, THE EXISTING MOUNT MUST BE MODIFIED TO ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION PROPOSED IN THE MOUNT ANALYSIS, INCLUDED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT



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

FINAL ANTENNA SCHEDULE

LOCATION			ANTENNA SUMMARY					NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	MECH/ELEC D-TILT	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	132'	60°	A1	AIR6449 B41	2500	0°	ADD	-	-
			A2	AIR32 KRD901146-1_B66A_B2A	1900/2100	0°	RMN	-	-
BETA	132'	180°	B1	AIR6449 B41	2500	0°	ADD	-	-
			B2	AIR32 KRD901146-1_B66A_B2A	1900/2100	0°	RMN	-	-
GAMMA	132'	300°	C1	AIR6449 B41	2500	0°	ADD	-	-
			C2	AIR32 KRD901146-1_B66A_B2A	1900/2100	0°	RMN	-	-

NOTES

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

STATUS ABBREVIATIONS

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

CABLE LENGTHS FOR JUMPERS

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

FINAL ANTENNA SCHEDULE

LOCATION			ANTENNA SUMMARY					NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	MECH/ELEC D-TILT	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	159'	60°	A1	APXVAARR24_43-U-NA20	600/700/1900	0°	RMN	4449 B71 B85A, 4415 B25	ADD
BETA	159'	180°	B1	APXVAARR24_43-U-NA20	600/700/1900	0°	RMN	4449 B71 B85A, 4415 B25	ADD
GAMMA	159'	300°	C1	APXVAARR24_43-U-NA20	600/700/1900	0°	RMN	4449 B71 B85A, 4415 B25	ADD

FINAL FIBER DISTRIBUTION / OVP BOX		FINAL CABLING SUMMARY		
MODEL NUMBER	STATUS	COAX	HYBRID	STATUS
-	-	-	*(1) 1 1/4"*	*RMN*
-	-	-	(2) 1 5/8"	ADD

3 EQUIPMENT SCHEDULES

FINAL FIBER DISTRIBUTION / OVP BOX		FINAL CABLING SUMMARY		
MODEL NUMBER	STATUS	COAX	HYBRID	STATUS
-	-	-	*(2) 1 1/4"*	*RMN*
-	-	-	(1) 1 5/8"	ADD

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RALEIGH, NC 27601

REV.	DESCRIPTION	BY	DATE
A	PRELIM	KB	03/03/21
0	ISSUED FOR CONSTRUCTION	NJ	06/25/21

ATC SITE NUMBER:
302515

ATC SITE NAME:
SMFR - NORTH

T-MOBILE SITE NAME:
STAMFORD/MP EXIT 35-36

SITE ADDRESS:
5 HIGH RIDGE PARK ROAD
STAMFORD, CT 06905-1403

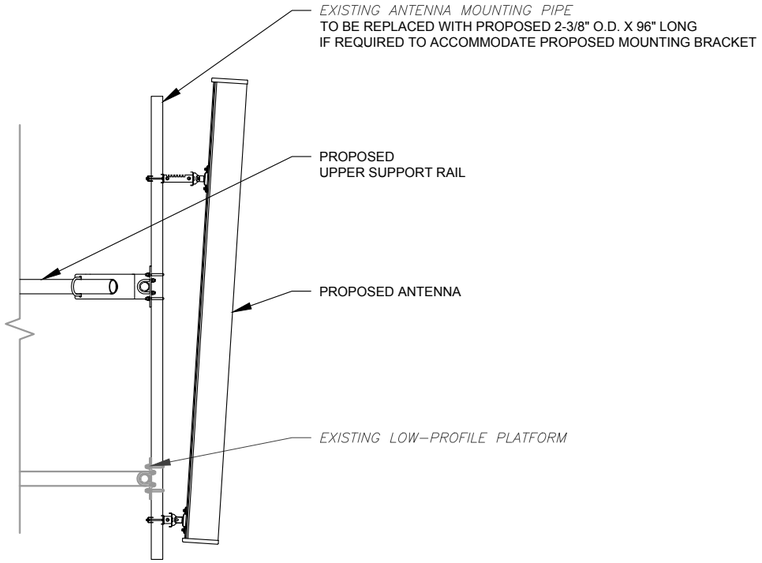
SEAL:

T-Mobile

DATE DRAWN:	06/25/21
ATC JOB NO:	13337519_G3
CUSTOMER ID:	STAMFORD/MP EXIT 35-36
CUSTOMER #:	CT11373A

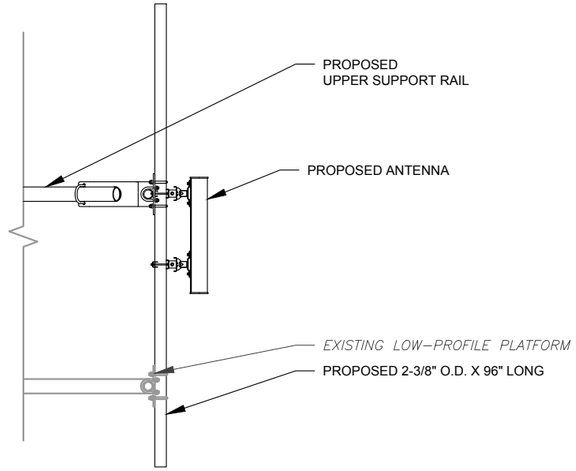
ANTENNA INFORMATION & SCHEDULE

SHEET NUMBER:	REVISION:
C-402	0



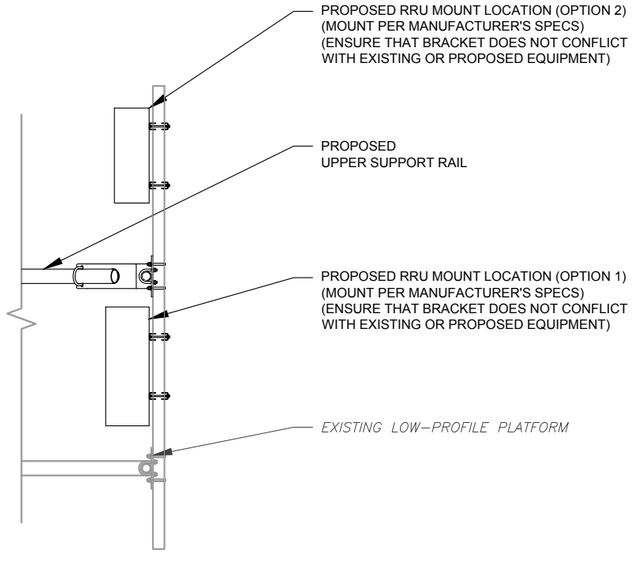
1 PROPOSED ANTENNA MOUNTING DETAIL - TYPICAL

SCALE: N.T.S.



2 PROPOSED 5G ANTENNA MOUNTING DETAIL - TYPICAL

SCALE: N.T.S.



3 PROPOSED RRU MOUNTING DETAIL - TYPICAL

SCALE: N.T.S.

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REV.	DESCRIPTION	BY	DATE
A	PRELIM	KB	03/03/21
0	ISSUED FOR CONSTRUCTION	NJ	06/25/21

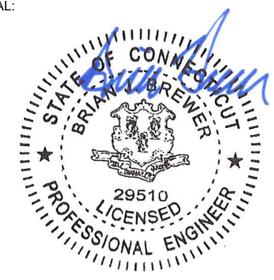
ATC SITE NUMBER:
302515

ATC SITE NAME:
SMFR - NORTH

T-MOBILE SITE NAME:
STAMFORD/MP EXIT 35-36

SITE ADDRESS:
5 HIGH RIDGE PARK ROAD
STAMFORD, CT 06905-1403

SEAL:

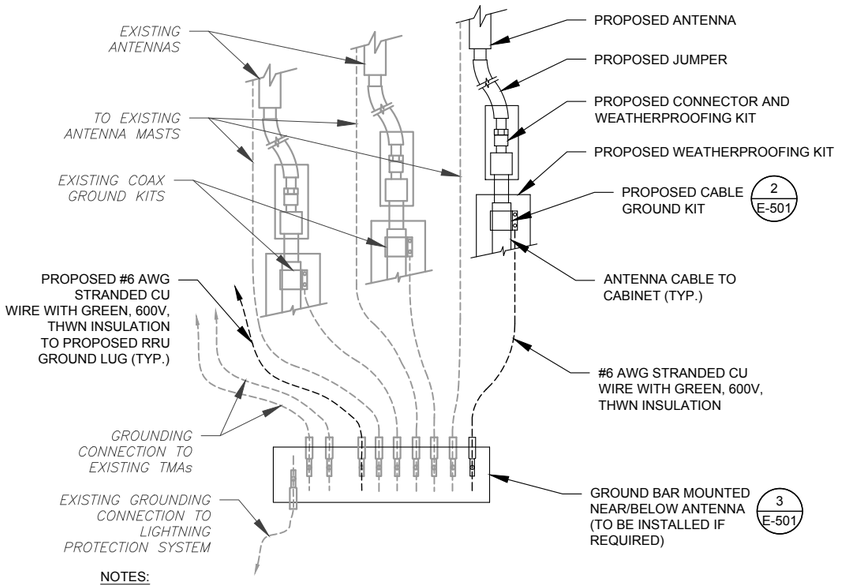


T-Mobile

DATE DRAWN:	06/25/21
ATC JOB NO:	13337519_G3
CUSTOMER ID:	STAMFORD/MP EXIT 35-36
CUSTOMER #:	CT11373A

CONSTRUCTION DETAILS

SHEET NUMBER:	REVISION:
C-501	0

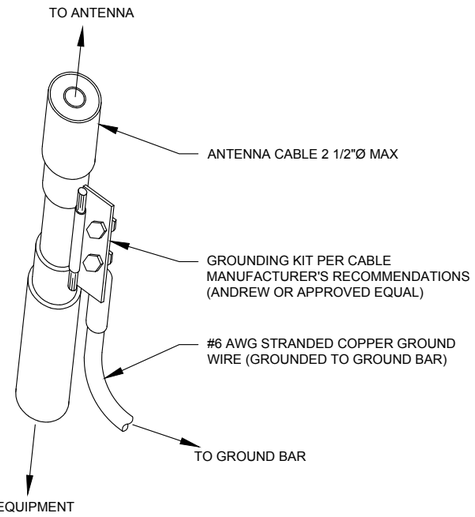


NOTES:

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

1 TYPICAL ANTENNA GROUNDING DIAGRAM

SCALE: N.T.S.

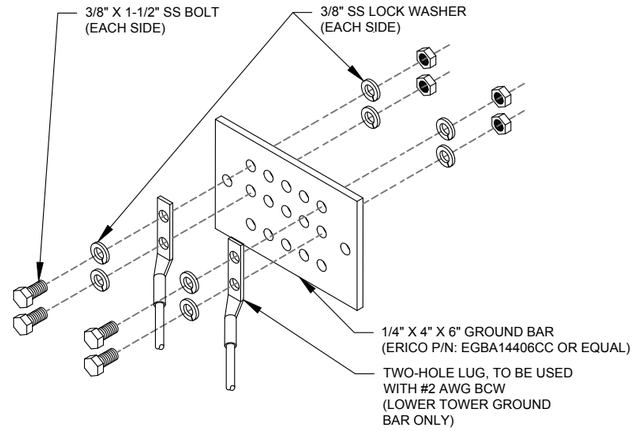


GROUND KIT NOTES:

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

2 CABLE GROUND KIT CONNECTION DETAIL

SCALE: N.T.S.

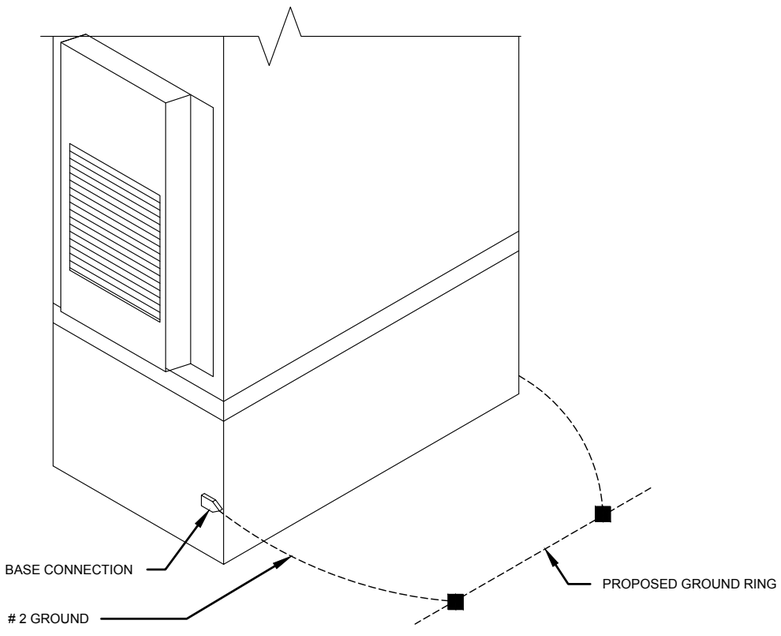


GROUND BAR NOTES:

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

3 TOWER GROUND BAR DETAIL

SCALE: N.T.S.



4 OUTDOOR CABINET GROUNDING

SCALE: N.T.S.

ELECTRICAL NOTES:

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

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

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RALEIGH, NC 27601

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0	ISSUED FOR CONSTRUCTION	NJ	06/25/21

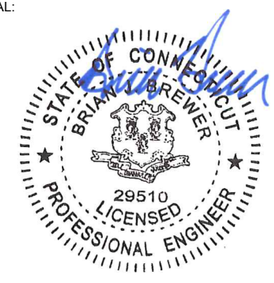
ATC SITE NUMBER:
302515

ATC SITE NAME:
SMFR - NORTH

T-MOBILE SITE NAME:
STAMFORD/MP EXIT 35-36

SITE ADDRESS:
5 HIGH RIDGE PARK ROAD
STAMFORD, CT 06905-1403

SEAL:



T··Mobile·

DATE DRAWN:	06/25/21
ATC JOB NO:	13337519_G3
CUSTOMER ID:	STAMFORD/MP EXIT 35-36
CUSTOMER #:	CT11373A

GROUNDING DETAILS

SHEET NUMBER: E-501

REVISION: 0

Section 5 - RAN Equipment

Existing RAN Equipment

Template: 67D92DB Outdoor

Enclosure	1	2
Enclosure Type	RBS 6102	Ancillary Equipment (Ericsson)
Baseband	DUW30 U2100; DUW30; DUG20 G1900; BB 6630 L2100 L1900; BB 6630 L700 L600 N600	
Hybrid Cable System		Ericsson 6x12 HCS "Select Length & AWG" (x 4)
Radio	RUS01 B4 (x 3) U2100	

Proposed RAN Equipment

Template: 67D5A997DB Hybrid

Enclosure	1	2	3
Enclosure Type	RBS 6102	Enclosure 6160	B160
Baseband	DUW30 (x 2); DUG20 G1900; BB 6630 L2100 L1900; BB 6630 L700 L600 N600	BB 6630 L2500; BB 6648 N2500	
Hybrid Cable System	Ericsson 6x12 HCS "Select Length & AWG" (x 3); Ericsson Hybrid Trunk 6/24 4AWG 70m; Ericsson Hybrid Trunk 6/24 4AWG 40m	Ericsson Hybrid Trunk 6/24 4AWG 40m; PSU 4813	
Radio	RUS01 B4 (x 3)		
Transport System		CSR IXRe V2 (Gen2)	

RAN Scope of Work:

Remove Nortel Cabinet.

U2100 will be decommissioned. Cabinet Radios will become unused.

Add (1) Enclosure 6160.

Add (1) Battery Cabinet B160.

Add (1) IXRe Router to new Enclosure 6160.

Add (1) BB6630 for L2500 to new Enclosure 6160.

Add (1) BB6648 for N2500 to new Enclosure 6160.

Add (1) PSU4813 Voltage Booster to new Enclosure 6160.

Existing: (12) Coaxial Lines; (3) 6x12 HCS

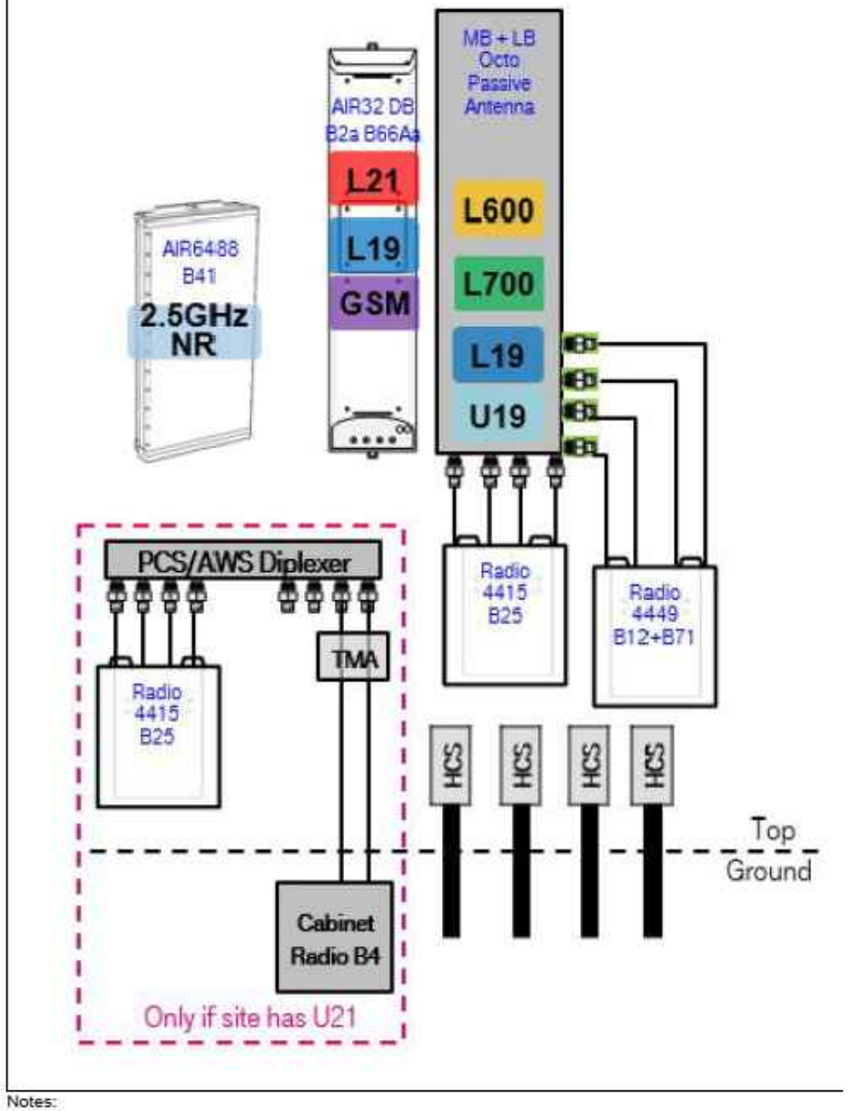
Remove all coaxial lines.

Add (3) 6X24 HCS as follows: (2) terminating at the RBS6102; terminating at the Enclosure 6160. Length of new HCS will match that of existing HCS. Connect DC for the AIR6449 B41 to the PSU4813 Voltage Booster.

1 CABINET CONFIGURATION

SCALE: NOT TO SCALE

67D5997DB_2xAIR+1OP.JPG



Notes:

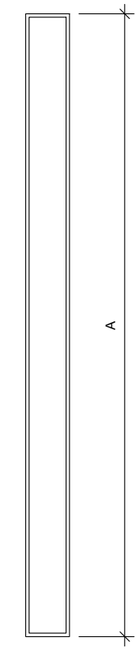
2 ANTENNA CONFIGURATION

SCALE: NOT TO SCALE

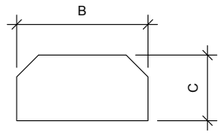
NOTE: THIS SHEET CREATED BY OTHERS AND PROVIDED BY REQUEST OF CUSTOMER WITHOUT EDIT.

SUPPLEMENTAL

SHEET NUMBER:	REVISION:
R-601	0



FRONT VIEW

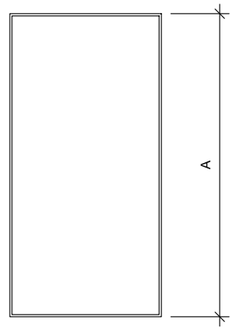


TOP VIEW

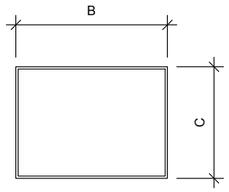
1 ANTENNA SPECIFICATIONS

FOR ILLUSTRATIVE PURPOSES ONLY - NOT TO SCALE

ANTENNA SPECIFICATIONS				
ANTENNA MODEL	A	B	C	WEIGHT (LBS)
AIR6449 B41	33.1"	20.6"	8.6"	104.0



FRONT VIEW



TOP VIEW

2 RRU SPECIFICATIONS

FOR ILLUSTRATIVE PURPOSES ONLY - NOT TO SCALE

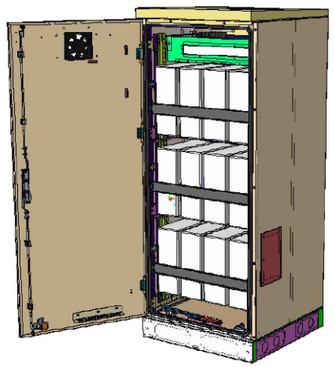
RRU SPECIFICATIONS				
RRU MODEL	A	B	C	WEIGHT (LBS)
4449 B71 B85A	15.0"	13.2"	10.5"	75.0
RRUS 4415 B25	16.5"	13.4"	5.9"	46.0

SUPPLEMENTAL

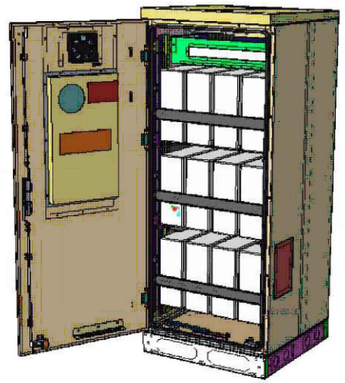
SHEET NUMBER: R-602

REVISION: 0

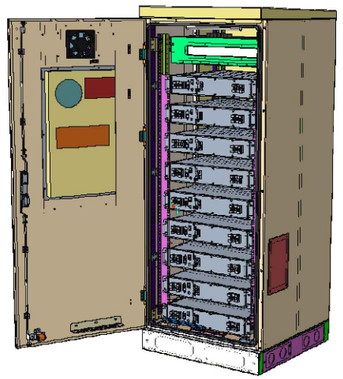
Enclosure B160



Enclosure B160
AirCon + VRLA



Enclosure B160
AirCon + Li-Ion



Enclosure B160
Convection Cooling
+ VRLA

Enclosure B160

Capacity
- VRLA 12V: 100Ah / 150Ah / 170Ah / 190Ah / 210Ah
- Li-Ion: 24U 19" / 23"
- Sodium-Nickel: 3x FIAMM

Electrical specification
- DC Output: -48VDC/200A
- Battery breakers: 2x 125/2p
- Alarms: Door open, Climate failure, MCB Connection

Mechanical specification
- Weight: 134kg
- Dimensions: 63 x 26 x 26 in. (incl. Base frame)
- Base frame height: 6 in.
- Material: Galvanized steel (180g/m^2)
- Color: Powder paint NCS 2002-B
- Door: Front access
- Locking type: Pad lock / cylinder

Environmental specification
- Ingress protection: VRLA/Sodium IP44
Li-Ion IP55
- Relative humidity: 15-100%

Climate system
- Air Conditioner
  - Fan type: DC
  - Cooling capacity: 500W @L35/L35
- Convection cooling
  - Emergency fan

NOTE: THIS SHEET WAS CREATED BY OTHERS AND PROVIDED AT THE REQUEST OF THE CUSTOMER WITHOUT EDIT.

SUPPLEMENTAL

SHEET NUMBER:	REVISION:
R-603	0

ERICSSON

Enclosure 6160 AC

The Enclosure 6160 is a multi-purpose site cabinet designed to support a multitude of equipment such as ERS Baseband, Transport, Li-Ion battery and 3PP vendor equipment. It also provides a highly capable power system and battery back-up - all in a streamlined design and minimized footprint to support cost efficient expansion of mobile broadband.

Being an all-in-one enclosure, the Enclosure 6160 is a very fitting choice for all types of sites where the capacity need is large or room for future expansion is needed. It is ideally used for modernizing existing sites or in greenfield scenarios to match both current and future needs.

With a robust design, IP65 compliance and a sealed Heat Exchanger (HEX) climate system the Enclosure 6160 ensures optimal environmental protection of the active equipment - enabling them for a long-lasting service. The complete system is also integrated and verified for the entire Ericsson Radio System and ensures best-in-class service.

The power system offers 31,5kW of power in total and provides 24kW of -48V DC power for both internal and external consumers.

The equipment space allows 19U of rack space ensuring well enough capacity for existing need and future expansion.

One of the main advantages of the Enclosure 6160 is its default integration with ENM - allowing for advanced remote monitoring and control such a fault management (alarms), inventory management and performance measurements. The cabinet also provides an open O&M interface for integration to 3PP O&M systems.

Preliminary technical specification for Enclosure 6160 AC

CAPACITY	
Rack space user equipment	19U (19" rack)
Hardware capabilities	Power and CPRI support for multi-standard remote radios (RRU or AIR) ERS Baseband and Transport units Li-Ion batteries 3PP equipment Additional power feed available as option
MECHANICAL SPECIFICATION	
Weight	145 kg (excluding active equipment) 320 lbs (excluding active equipment)
Dimension (H x W x D)	1600 x 650 x 650 mm (incl. Base frame) 63 x 26 x 26 in. (incl. Base frame)
Base frame height	150 mm 6 in.
Mounting position	Ground
Enclosure material	Aluminum
Color	Power paint NCS 2002-B
Door	Front access
Rack type	19" (IEC 60297-3-100)
Locking type	Pad lock or Cylinder
POWER SYSTEM	
Input voltage	3P+N+PE: 346/200-415/240 VAC 2P+N+PE: 208/120-220/127 VAC 1P+N+PE: 200-250 VAC
Input power	<33kW
Output load (-48VDC)	24kW
Total capacity (-48VDC)	31.5kW
AC SPD	Class 2/Type 2
DC SPD	Class 2/Type 2
PSU Slots	9x
Service outlet	Optional
Priority load	8x Circuit Breaker
LLVD 1	6x Circuit Breaker
LLVD 2	6x Circuit Breaker
CB ratings	3A / 5A / 10A / 15A / 20A / 25A / 30A / 40A / 50A / 60A / 80A / 100A
Battery Interface	2x Circuit Breaker
Battery Circuit Breaker rating	125A 2pol (200A)
PSU capacity	3500W

NOTE: THIS SHEET WAS CREATED BY OTHERS AND PROVIDED AT THE REQUEST OF THE CUSTOMER WITHOUT EDIT.

SUPPLEMENTAL

SHEET NUMBER:	REVISION:
R-604	0

AMERICAN TOWER®
CORPORATION

This report was prepared for American Tower Corporation by

ETS
ENGINEERED TOWER SOLUTIONS, PLLC

Antenna Mount Analysis Report

ATC Site Name	:	**SMFR - North, CT**
ATC Site Number	:	**302515**
Engineering Number	:	**13337519_C8_02**
ETS, PLLC Job Number	:	**21090475.STR.5372**
Mount Elevation	:	**130 ft and 160 ft**
Carrier	:	**T-Mobile**
Carrier Site Name	:	**Stamford/MP Exit 35-36**
Carrier Site Number	:	**CT11373A**
Site Location	:	**5 High Ridge Park Road** **Stamford, CT 06905** **41.112800, -73.538400**
County	:	**Fairfield**
Date	:	**March 24, 2021**
Max Usage	:	**95%**
Result	:	**Contingent Pass**

Prepared By:
Brandon R. Little, EI
Structural Engineer II

Reviewed By:
Frederic G. Bost, PE
Owner/President

STATE OF CONNECTICUT · FREDERIC BOST · PEN.0029529 · LICENSED PROFESSIONAL ENGINEER
3/25/21

Introduction

The purpose of this report is to summarize results of the antenna mount analysis performed for T-Mobile at 130 ft and 160 ft.

Supporting Documents

RFDS	RFDS (CT11373A) dated January 19, 2021
Photos	Site photos from 2020

Analysis

This antenna mount was analyzed using RISA-3D v17.0.4 analysis software

Basic Wind Speed:	116 mph (3-Second Gust)
Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ 1" radial ice concurrent
Codes:	ANSI/TIA-222-H
Structure Class:	II
Exposure Category:	B
Topographic Factor Procedure:	Method 2
Feature:	Flat
Crest Height (H):	0 ft
Crest Length (L):	0 ft
Spectral Response:	Ss = 0.26, S_1 = 0.58
Site Class:	D - Default
Live Loads:	Lm = 500 lbs, Lv = 250 lbs

Conclusion

Based on the analysis results, the antenna mount meets the requirements per the applicable codes listed above provided the modifications listed below are completed.

1. A handrail kit (Site Pro 1 HRK12 or EOR approved equivalent) was modeled due to the Carrier's proposed Mount Type (130 ft level mount only). Handrail is to be installed 36" above existing face mount horizontals.

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

Engineered Tower Solutions, PLLC - 3227 Wellington Court, Raleigh, NC 27615 - 919.782.2710 Office - www.engineeredtowersolutions.com

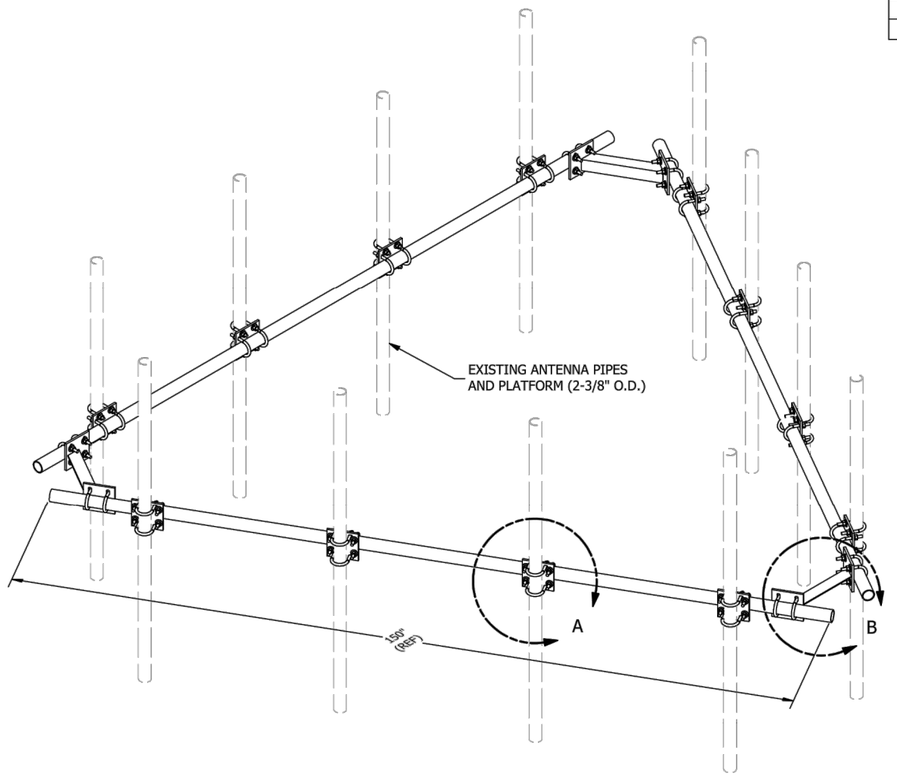
1 MOUNT ANALYSIS

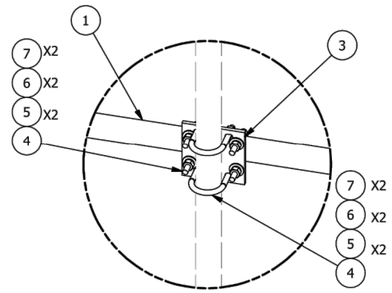
NOTE: THIS SHEET WAS CREATED BY OTHERS AND PROVIDED AT THE REQUEST OF THE CUSTOMER WITHOUT EDIT. PLEASE REFERENCE THE MOUNT ANALYSIS REPORT FOR COMPLETE MOUNT ANALYSIS CALCULATIONS AND DETAILS. SUPPLEMENTAL PAGES INCLUDED IN THE CONSTRUCTION DRAWINGS ARE FOR REFERENCE ONLY. GENERAL CONTRACTOR IS TO VERYIFY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

SUPPLEMENTAL

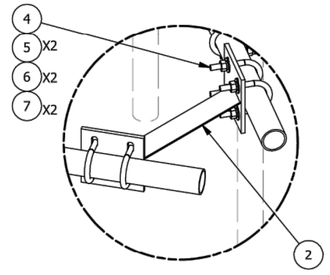
SHEET NUMBER:	REVISION:
R-605	0

PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	3	P2150	2-3/8" O.D. X 150" SCH 40 GALVANIZED PIPE	150 in	45.77	137.31
2	3	X-AHCP	ANGLE HANDRAIL CORNER PLATE		12.92	38.76
3	12	SCX1	CROSSOVER PLATE 2-3/8" X 2-3/8"	6 in	3.71	44.50
4	60	X-UB1212	1/2" X 2-1/2" X 4-1/2" X 2" U-BOLT (HDG.)		0.63	37.51
5	120	G12FW	1/2" HDG USS FLATWASHER	3/32 in	0.03	4.09
6	120	G12LW	1/2" HDG LOCKWASHER	1/8 in	0.01	1.67
7	120	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	8.60
					TOTAL WT. #	272.43





DETAIL A



DETAIL B

REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE
A	REPLACED HCP WITH X-AHCP		CEK	7/10/2014

REVISION HISTORY

TOLERANCE NOTES

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

DESCRIPTION: HANDRAIL KIT FOR 12'-6" FACE

CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.
	KC8 5/30/2012		HRK12
CLASS / SUB	DRAWING USAGE	CHECKED BY	DWG. NO.
81 / 01	CUSTOMER	BMC 7/13/2014	HRK12

PAGE 1 OF 1

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

1 MOUNT MODIFICATION

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SUPPLEMENTAL

SHEET NUMBER: R-606

REVISION: 0

AMERICAN TOWER®
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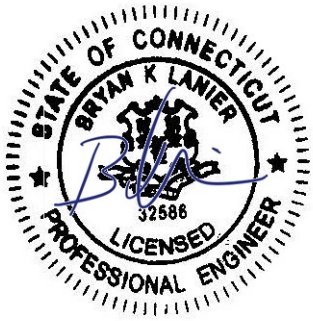
Structural Analysis Report

Structure	:	**148 ft Monopole**
ATC Site Name	:	**SMFR - North, CT**
ATC Asset Number	:	**302515**
Engineering Number	:	**13337519_C3_03**
Proposed Carrier	:	**T-MOBILE**
Carrier Site Name	:	**Stamford/MP Exit 35-36**
Carrier Site Number	:	**CT11373A**
Site Location	:	**5 High Ridge Park Road** **Stamford, CT 06905-1403** **41.112800, -73.538400**
County	:	**Fairfield**
Date	:	**March 25, 2021**
Max Usage	:	**79%**
Result	:	**Pass**



Prepared By:
Nicholas Beam
Structural Engineer

Nicholas Beam

Reviewed By:

Authorized by "EOR"
25 Mar 2021 11:19:41 cosign

COA: PEC.0001553

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Table of Contents

Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 148 ft monopole to reflect the change in loading by T-MOBILE.

Supporting Documents

Tower Drawings	Engineered Endeavors Job #5591, dated November 22, 1999
Foundation Drawing	Engineered Endeavors Job #5591, dated November 17, 1999
Geotechnical Report	Dr. Clarence Welti, dated October 25, 2000
Modifications	ATC Project #43868633, dated September 1, 2009 ATC Project #51772939, dated April 11, 2013
Mount Analysis	ETS Project #21090475.STR.5372, dated March 18, 2021

Analysis

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

Basic Wind Speed:	116 mph (3-Second Gust)
Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ 1" radial ice concurrent
Code:	ANSI/TIA-222-H / 2018 IBC / 2018 Connecticut State Building Code
Exposure Category:	B
Risk Category:	II
Topographic Factor Procedure:	Method 1
Topographic Category:	1
Crest Height (H):	0 ft
Spectral Response:	$S_s = 0.26$, $S_1 = 0.06$
Site Class:	D - Stiff Soil

Conclusion

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

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

Existing and Reserved Equipment

Elev.[1] (ft)	Qty	Antenna	Mount Type	Lines	Carrier
160.0	3	RFS APXVAARR24_43-U-NA20	Flush	(2) 1 1/4" (1.25"-31.8mm) Fiber	T-MOBILE
152.0	3	Kathrein Scala 80010965	Platform with Handrails	(2) 0.39" (10mm) Fiber Trunk (6) 0.78" (19.7mm) 8 AWG 6 (12) 1 1/4" Coax (1) 3" conduit	AT&T MOBILITY
	1	Raycap DC6-48-60-18-8F (23.5" Height)			
	1	Raycap DC6-48-60-18-8F			
	1	Raycap DC6-48-60-0-8F (24" Height)			
	3	Ericsson RRUS 4478 B14			
	3	Ericsson RRUS 11 (Band 12) (55 lb)			
	3	Ericsson RRUS 32 (50.8 lbs)			
	3	Ericsson RRUS 32 B66			
	3	Ericsson RRUS 32 B2			
	3	Powerwave Allgon 7770.00			
	3	Quintel QS66512-2			
	3	CCI OPA-65R-LCUU-H6			
	6	Powerwave Allgon LGP21401			
	6	Kaelus DBC0061F1V51-2			
143.0	4	Alcatel-Lucent RRH2x60 700	Low Profile Platform	(12) 1 5/8" Coax (2) 1 5/8" Hybriflex	VERIZON WIRELESS
	4	Alcatel-Lucent RRH2X60-1900			
	6	RFS FD9R6004			
	4	Alcatel-Lucent RRH4x45-B66 w/o Solar Shield			
	4	Commscope SBNHH-1D45B			
	4	Commscope SBNHH-1D65B			
	1	Antel BXA-80080/6CF			
	2	Antel BXA-70063/6CF __ 2°			
	1	Amphenol Antel BXA-80063-6BF-EDIN-X			
	2	RFS DB-T1-6Z-8AB-0Z			
133.0	3	KMW KMDAPS2040000 (E-F Band)	Low Profile Platform	-	SPRINT NEXTEL
	9	Decibel DB844H90E-XY			
	3	KMW AM-X-WM-17-65-00T (48")			
132.0	3	Ericsson AIR-32 B2A/B66Aa		(1) 1 1/4" (1.25"-31.8mm) Fiber	T-MOBILE
120.0	3	Alcatel-Lucent TD-RRH8x20-25 w/ Solar Shield	Low Profile Platform	(4) 1 1/4" Hybriflex Cable	SPRINT NEXTEL
	3	RFS APXVSPP18-C-A20			
	3	Commscope DT465B-2XR			
	3	Alcatel-Lucent 800 MHz 2X50W RRH w/ Filter			
	3	Alcatel-Lucent 4x40W RRH (91 lb)			
	3	Alcatel-Lucent RRH2x50-08			
105.0	1	Antel BCD-87010 ___ 4°	Side Arm	(1) 7/8" Coax	SENSUS USA INC.
75.0	1	PCTEL GPS-TMG-HR-26N	Side Arm	(2) 1/2" Coax	SPRINT NEXTEL

Equipment to be Removed

Elev.[1] (ft)	Qty	Antenna	Mount Type	Lines	Carrier
160.0	3	Commscope ATSBT-TOP-MF-4G	-	(18) 1 5/8" Coax	T-MOBILE
	3	Ericsson Radio 4449 B12,B71			
132.0	3	Ericsson KRY 112 144/2		(1) 1 1/4" (1.25"-31.8mm) Fiber	
	3	Ericsson AIR 21, 1.3M, B2A B4P (91.5 lbs)			

Proposed Equipment

Elev.[1] (ft)	Qty	Antenna	Mount Type	Lines	Carrier
160.0	3	Ericsson Radio 4449 B71 B85A	Leg/Flush	(1) 1 5/8" Hybriflex	T-MOBILE
	3	Ericsson RRUS 4415 B25			
132.0	3	Ericsson Air6449 B41	Platform with Handrails	(2) 1 5/8" Hybriflex	

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

Install proposed lines inside the pole shaft.

Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Anchor Bolts	57%	Pass
Shaft	60%	Pass
Base Plate	28%	Pass
Reinforcement	65%	Pass

Foundations

Reaction Component	Analysis Reactions	% of Usage
Moment (Kips-Ft)	3,429.8	79%
Axial (Kips)	61.1	10%
Shear (Kips)	28.5	66%

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

Deflection and Sway*

Antenna Elevation (ft)	Antenna	Carrier	Deflection (ft)	Sway (Rotation) (°)
160.0	Ericsson Radio 4449 B71 B85A	T-MOBILE	1.825	1.360
	Ericsson RRUS 4415 B25			
132.0	Ericsson Air6449 B41		1.396	1.262

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

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Standard Conditions

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

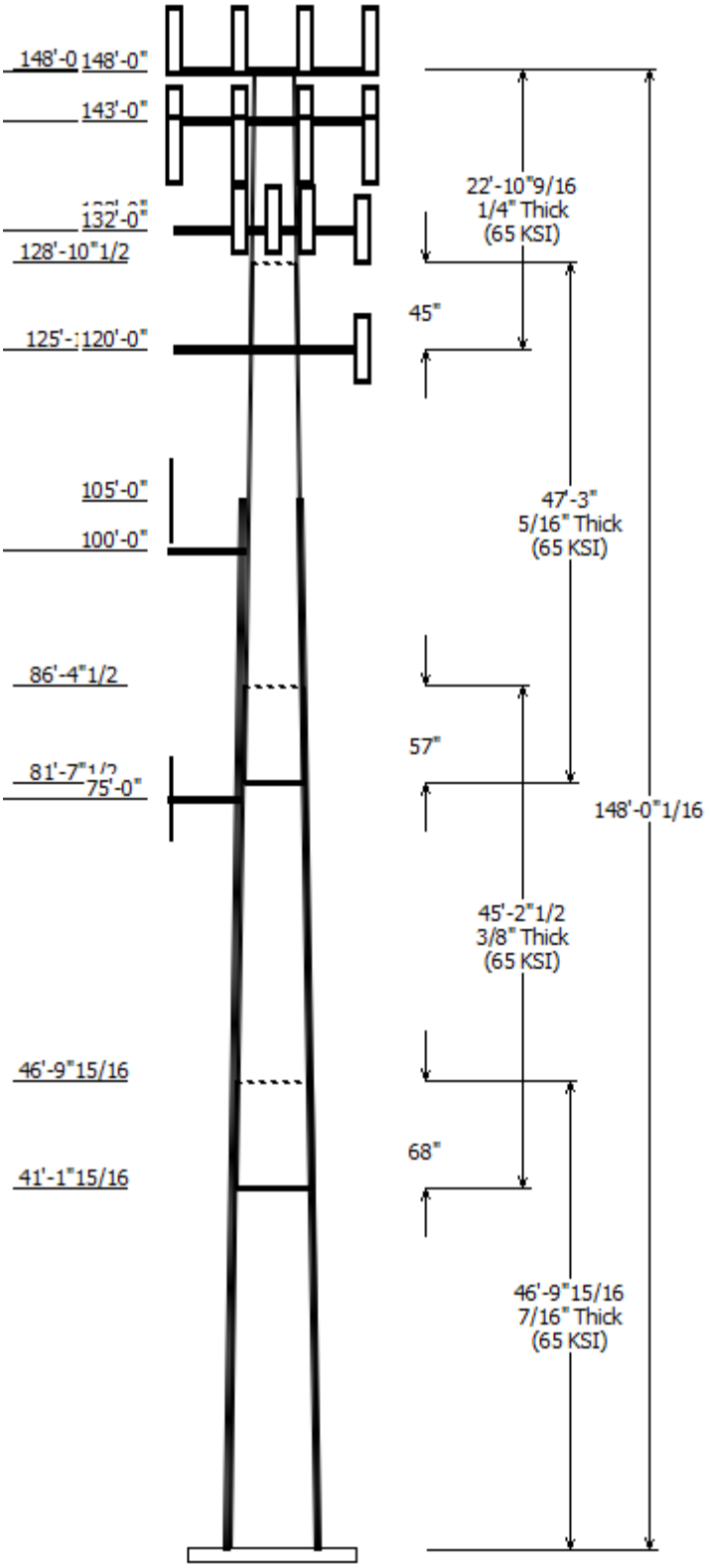
- Information supplied by the client regarding antenna, mounts and feed line loading
- Information from drawings, design and analysis documents, and field notes in the possession of A.T. Engineering Service, PLLC

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

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

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

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



Job Information

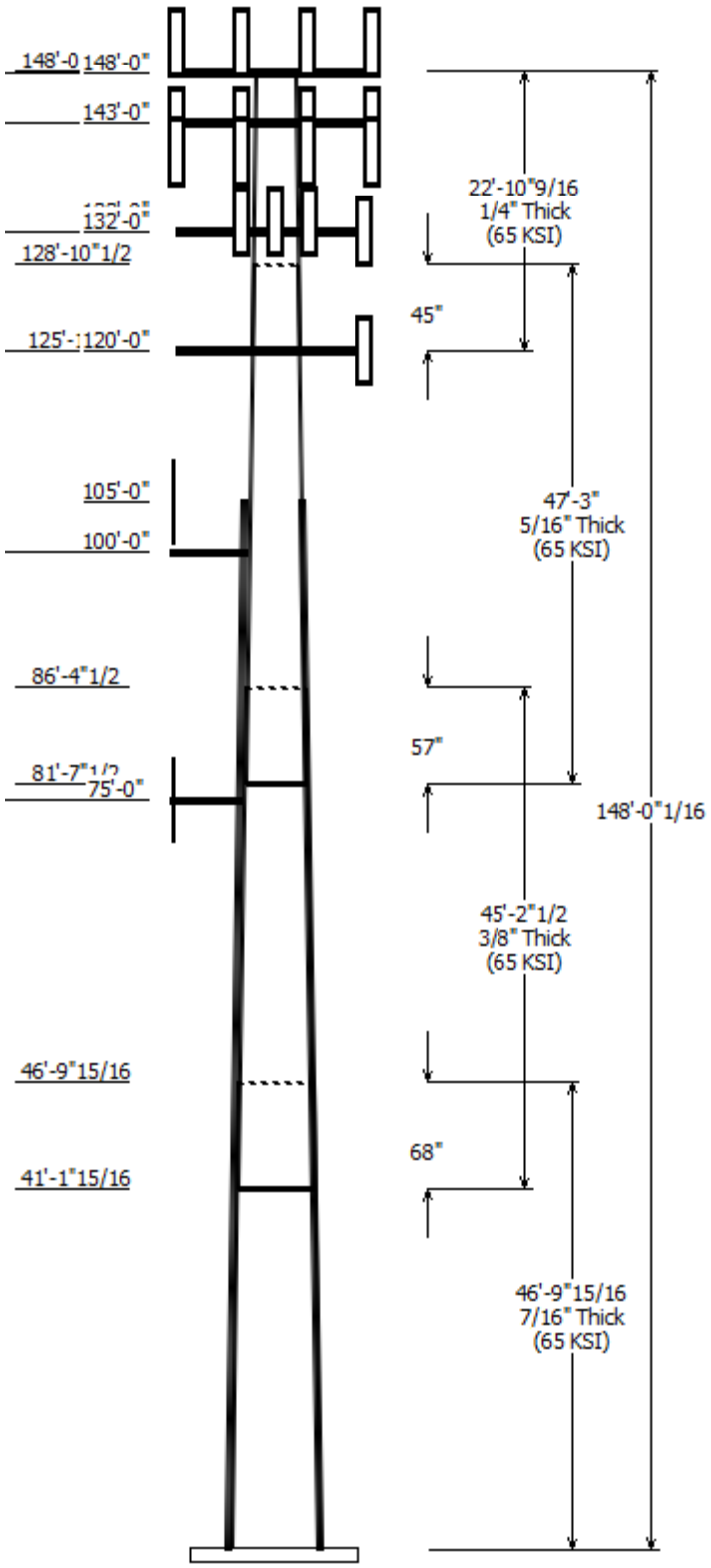
Client :	T-MOBILE		
Pole :	302515	Code:	ANSI/TIA-222-H
Location :	SMFR - North, CT		
Description :	148 ft EEI Monopole	Risk Category :	II
Shape :	18 Sides	Exposure :	B
Height :	148.00 (ft)	Topo Method :	Method 1
Base Elev (ft):	0.00	Topographic Category :	1
Taper:	0.195101 (in/ft)		

Sections Properties

Shaft Section	Length (ft)	Diameter (in) Accross Flats Top	Bottom	Thick (in)	Joint Type	Overlap Length (in)	Steel Grade Shape	(ksi)
1	46.830	38.86	48.00	0.438		0.000	18 Sides	65
2	45.210	31.89	40.71	0.375	Slip Joint	68.000	18 Sides	65
3	47.250	24.23	33.45	0.313	Slip Joint	57.000	18 Sides	65
4	22.880	20.99	25.46	0.250	Slip Joint	45.000	18 Sides	65

Discrete Appurtenance

Attach Elev (ft)	Force Elev (ft)	Qty	Description
160.000	160.000	3	RFS APXVAARR24_43-U-NA20
160.000	160.000	3	Ericsson RRUS 4415 B25
160.000	160.000	3	Ericsson Radio 4449 B71 B85A
148.000	152.000	3	Kathrein Scala 80010965
148.000	152.000	3	CCI OPA-65R-LCUU-H6
148.000	152.000	3	Quintel QS66512-2
148.000	152.000	3	Powerwave Allgon 7770.00
148.000	152.000	3	Ericsson RRUS 32 B2
148.000	152.000	3	Ericsson RRUS 32 B66
148.000	152.000	3	Ericsson RRUS 32 (50.8 lbs)
148.000	152.000	3	Ericsson RRUS 11 (Band 12) (55
148.000	152.000	3	Ericsson RRUS 4478 B14
148.000	152.000	1	Raycap DC6-48-60-0-8F (24" Hei
148.000	152.000	1	Raycap DC6-48-60-18-8F
148.000	152.000	1	Raycap DC6-48-60-18-8F (23.5"
148.000	152.000	6	Powerwave Allgon LGP21401
148.000	152.000	6	Kaelus DBC0061F1V51-2
148.000	148.000	1	Flat Platform w/ Handrails
148.000	154.000	1	Pipe Mount
143.000	143.000	1	Flat Low Profile Platform
143.000	142.000	4	Commscope SBNHH-1D45B
143.000	142.000	4	Commscope SBNHH-1D65B
143.000	143.000	1	Antel BXA-80080/6CF
143.000	143.000	2	Antel BXA-70063/6CF __ 2°
143.000	142.000	1	Amphenol Antel BXA-80063-
143.000	142.000	2	RFS DB-T1-6Z-8AB-0Z
143.000	142.000	4	Alcatel-Lucent RRH4x45-B66
143.000	142.000	4	Alcatel-Lucent RRH2x60 700
143.000	142.000	4	Alcatel-Lucent RRH2X60-1900
143.000	142.000	6	RFS FD9R6004
133.000	133.000	9	Decibel DB844H90E-XY
133.000	133.000	3	KMW AM-X-WM-17-65-00T (48")
133.000	133.000	3	KMW KMDAPS2040000 (E-F
132.000	132.000	1	Flat Platform w/ Handrails
132.000	132.000	3	Ericsson AIR-32 B2A/B66Aa
132.000	132.000	3	Ericsson Air6449 B41
120.000	120.000	1	Flat Low Profile Platform
120.000	120.000	3	Commscope DT465B-2XR
120.000	120.000	3	RFS APXVSPP18-C-A20
120.000	120.000	3	Alcatel-Lucent TD-RRH8x20-25
120.000	120.000	3	Alcatel-Lucent 4x40W RRH (91 l
120.000	120.000	3	Alcatel-Lucent 800 MHz 2X50W
120.000	120.000	3	Alcatel-Lucent RRH2x50-08
105.000	105.000	1	Antel BCD-87010 ___ 4°



100.000	100.000	1	Flat Side Arm
75.000	75.000	1	Round Side Arm
75.000	75.000	1	PCTEL GPS-TMG-HR-26N

Linear Appurtenance

Elev (ft) From	To	Description	Exposed To Wind
10.000	75.000	1/2" Coax	Yes
10.000	75.000	1/2" Coax	Yes
10.000	105.0	7/8" Coax	No
10.000	143.0	1 5/8" Hybriflex	Yes
10.000	132.0	1 1/4" (1.25"-	Yes
0.000	143.0	1 5/8" Coax	No
0.000	152.0	0.39" (10mm)	No
0.000	152.0	0.78" (19.7mm) 8	No
0.000	152.0	1 1/4" Coax	No
0.000	152.0	3" conduit	No
0.000	160.0	1 1/4" (1.25"-	Yes
0.000	160.0	1 5/8" Hybriflex	No
0.000	113.3	#20 Dywidag	Yes
0.000	113.3	#20 Dywidag	Yes
0.000	113.3	#20 Dywidag	Yes
0.000	113.3	#20 Dywidag	Yes
0.000	120.0	1 1/4" Hybriflex	Yes
0.000	132.0	1 5/8" Hybriflex	No

Load Cases

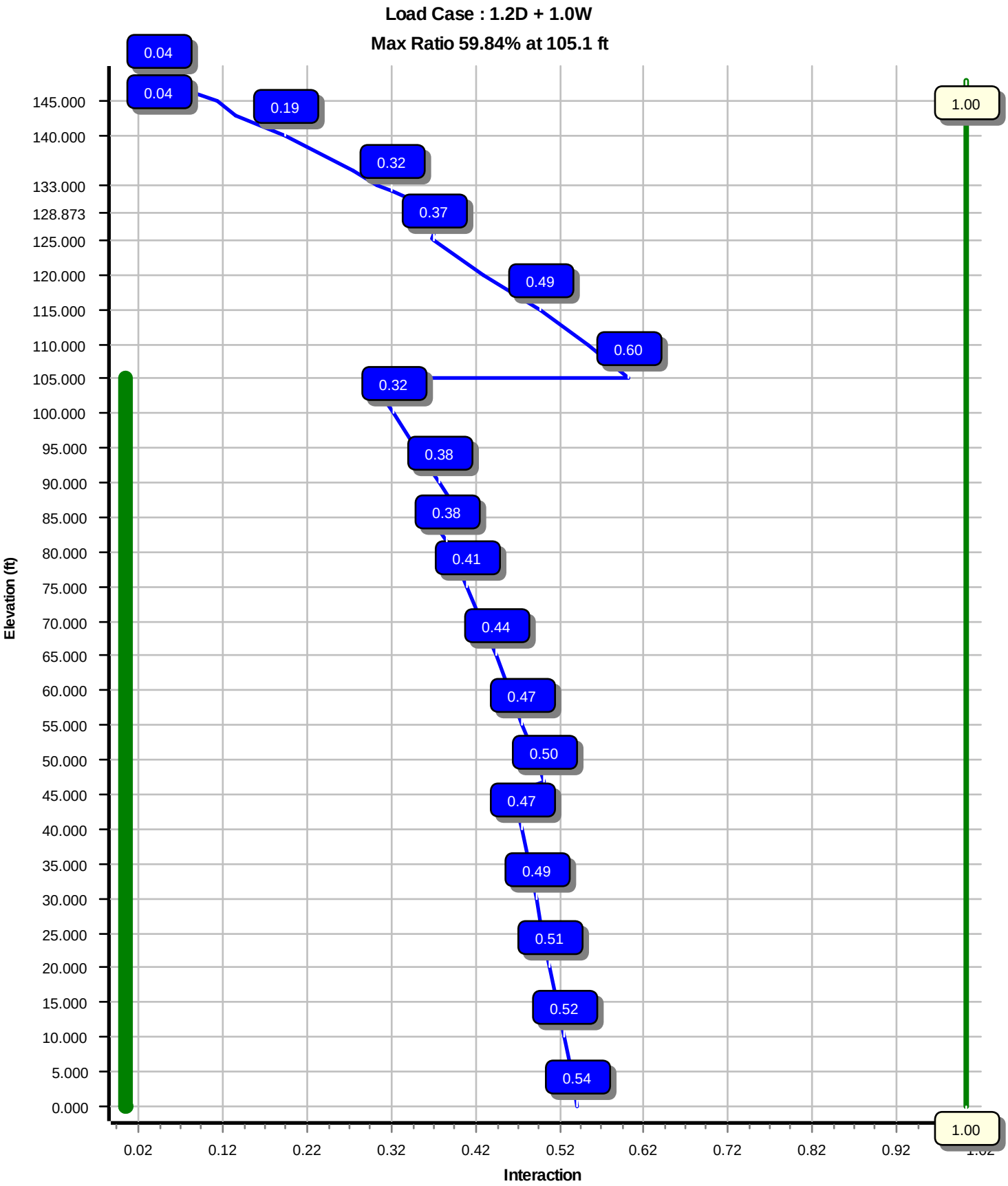
1.2D + 1.0W	116 mph with No Ice
0.9D + 1.0W	116 mph with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	50 mph with 1.00 in Radial Ice
1.2D + 1.0Ev + 1.0Eh	Seismic
0.9D - 1.0Ev + 1.0Eh	Seismic (Reduced DL)
1.0D + 1.0W	Serviceability 60 mph

Reactions

Load Case	Moment (kip-ft)	Shear (kip)	Axial (kip)
1.2D + 1.0W	3429.82	28.46	61.13
0.9D + 1.0W	3381.60	28.43	45.84
1.2D + 1.0Di + 1.0Wi	862.58	7.21	80.54
1.2D + 1.0Ev + 1.0Eh	195.64	1.53	61.82
0.9D - 1.0Ev + 1.0Eh	191.94	1.53	41.61
1.0D + 1.0W	814.25	6.81	50.98

Dish Deflections

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


Load Case : 1.2D + 1.0W
Max Ratio 59.84% at 105.1 ft
0.04
0.04
0.19
0.32
0.37
0.49
0.60
0.32
0.38
0.38
0.41
0.44
0.47
0.50
0.47
0.49
0.51
0.52
0.54
1.00
1.00
145.000
140.000
133.000
128.873
125.000
120.000
115.000
110.000
105.000
100.000
95.000
90.000
85.000
80.000
75.000
70.000
65.000
60.000
55.000
50.000
45.000
40.000
35.000
30.000
25.000
20.000
15.000
10.000
5.000
0.000
Elevation (ft)
0.02
0.12
0.22
0.32
0.42
0.52
0.62
0.72
0.82
0.92
Interaction

Site Number: 302515 Code: ANSI/TIA-222-H

Site Name: SMFR - North, CT Engineering Number:13337519_C3_03 3/25/2021 2:13:36 PM

Customer: T-MOBILE

Analysis Parameters

Location :	Fairfield County, CT	Height (ft) :	148.0033
Code :	ANSI/TIA-222-H	Base Diameter (in) :	48.00
Shape :	18 Sides	Top Diameter (in) :	21.00
Pole Type :	Taper	Taper (in/ft) :	0.195
Pole Manfacturer :	EEI	Rotation (deg) :	0.00
Kd (non-service) :	0.95	Ke :	0.99

Ice & Wind Parameters

Exposure Category:	B	Design Wind Speed Without Ice:	116 mph
Risk Category:	II	Design Wind Speed With Ice:	50 mph
Topographic Factor Procedure:	Method 1	Operational Wind Speed:	60 mph
Topographic Category:	1	Design Ice Thickness:	1.00 in
Crest Height:	0 ft	HMSL:	227.00 ft

Seismic Parameters

Analysis Method:	Equivalent Lateral Force Method				
Site Class:	D - Stiff Soil				
Period Based on Rayleigh Method (sec):	2.55				
T_L (sec):	6	p:	1	C_s:	0.030
S_s:	0.260	S_1:	0.058	C_s Max:	0.030
F_a:	1.592	F_v:	2.400	C_s Min:	0.030
S_{ds}:	0.276	S_{d1}:	0.093		

Load Cases

1.2D + 1.0W	116 mph with No Ice
0.9D + 1.0W	116 mph with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	50 mph with 1.00 in Radial Ice
1.2D + 1.0Ev + 1.0Eh	Seismic
0.9D - 1.0Ev + 1.0Eh	Seismic (Reduced DL)
1.0D + 1.0W	Serviceability 60 mph

Shaft Section Properties

Sect Info	Length (ft)	Thick (in)	Fy (ksi)	Slip Joint Type	Slip Joint Len (in)	Weight (lb)	Bottom Dia (in)	Bottom Elev (ft)	Bottom Area (in²)	Bottom Ix (in⁴)	Bottom W/t Ratio	Bottom D/t Ratio	Top Dia (in)	Top Elev (ft)	Top Area (in²)	Top Ix (in⁴)	Top W/t Ratio	Top D/t Ratio	Taper (in/ft)
1-18	46.830	0.4375	65		0.00	9,513	48.00	0.00	66.04	18876.3	17.93	109.71	38.86	46.83	53.36	9953.9	14.25	88.83	0.195101
2-18	45.210	0.3750	65	Slip	68.00	6,579	40.71	41.16	48.02	9874.4	17.74	108.58	31.89	86.37	37.52	4710.6	13.59	85.06	0.195101
3-18	47.250	0.3125	65	Slip	57.00	4,549	33.45	81.62	32.87	4560.0	17.46	107.04	24.23	128.87	23.72	1714.9	12.26	77.54	0.195101
4-18	22.880	0.2500	65	Slip	45.00	1,420	25.46	125.12	20.01	1606.8	16.55	101.85	20.99	148.00	16.46	895.6	13.40	84.00	0.195101
				Shaft Weight		22,062													

Discrete Appurtenance Properties

Attach Elev (ft)	Description	Qty	Ka	Vert Ecc (ft)	No Ice Weight (lb)	No Ice EPAa (sf)	No Ice Orientation Factor	Ice Weight (lb)	Ice EPAa (sf)	Ice Orientation Factor
160.00	Ericsson Radio 4449 B71 B85A	3	1.00	0.000	75.00	1.650	0.50	115.12	2.217	0.50
160.00	Ericsson RRUS 4415 B25	3	1.00	0.000	46.00	1.842	0.50	78.71	2.440	0.50
160.00	RFS APXVAARR24_43-U-NA20	3	1.00	0.000	127.90	20.243	0.63	389.81	22.717	0.63
148.00	Kaelus DBC0061F1V51-2	6	0.75	4.000	25.50	0.433	0.50	37.81	0.733	0.50
148.00	Powerwave Allgon LGP21401	6	0.75	4.000	14.10	1.104	0.50	30.73	1.580	0.50
148.00	Raycap DC6-48-60-18-8F (23.5"	1	0.75	4.000	20.00	1.260	1.00	55.09	1.699	1.00
148.00	Raycap DC6-48-60-18-8F	1	0.75	4.000	20.00	1.260	1.00	55.09	1.699	1.00
148.00	Raycap DC6-48-60-0-8F (24"	1	0.75	4.000	32.80	1.470	1.00	104.18	1.935	1.00
148.00	Ericsson RRUS 4478 B14	3	0.75	4.000	59.90	1.842	0.50	96.75	2.440	0.50
148.00	Ericsson RRUS 11 (Band 12) (55	3	0.75	4.000	55.00	2.522	0.67	99.84	3.215	0.67
148.00	Ericsson RRUS 32 (50.8 lbs)	3	0.75	4.000	50.80	2.692	0.67	98.47	3.462	0.67
148.00	Ericsson RRUS 32 B66	3	0.75	4.000	53.00	2.743	0.67	102.02	3.522	0.67
148.00	Ericsson RRUS 32 B2	3	0.75	4.000	53.00	2.743	0.67	102.02	3.522	0.67
148.00	Powerwave Allgon 7770.00	3	0.75	4.000	35.00	5.508	0.65	118.15	6.193	0.65
148.00	Pipe Mount	1	1.00	6.000	200.00	6.400	1.00	292.86	6.994	1.00
148.00	Quintel QS66512-2	3	0.75	4.000	111.00	8.133	0.74	243.81	9.991	0.74
148.00	CCI OPA-65R-LCUU-H6	3	0.75	4.000	73.00	9.658	0.66	208.64	11.505	0.66
148.00	Kathrein Scala 80010965	3	0.75	4.000	97.60	13.814	0.62	275.28	15.847	0.62
148.00	Flat Platform w/ Handrails	1	1.00	0.000	2,000.00	42.400	1.00	2,947.16	56.377	1.00
143.00	RFS FD9R6004	6	0.80	-1.000	3.10	0.314	0.50	8.42	0.570	0.50
143.00	Alcatel-Lucent RRH2X60-1900	4	0.80	-1.000	43.00	1.876	0.50	79.75	2.498	0.50
143.00	Alcatel-Lucent RRH2x60 700	4	0.80	-1.000	56.70	2.150	0.67	101.90	2.816	0.67
143.00	Alcatel-Lucent RRH4x45-B66 w/o	4	0.80	-1.000	63.30	2.470	0.67	105.47	3.209	0.67
143.00	RFS DB-T1-6Z-8AB-0Z	2	0.80	-1.000	44.00	4.800	0.72	127.59	5.744	0.72
143.00	Amphenol Antel BXA-80063-6BF-	1	0.80	-1.000	19.20	7.262	1.00	114.96	9.029	1.00
143.00	Antel BXA-70063/6CF __ 2°	2	0.80	0.000	17.00	7.569	0.73	110.92	9.401	0.73
143.00	Antel BXA-80080/6CF	1	0.80	0.000	22.00	7.775	1.00	118.57	9.649	1.00
143.00	Commscope SBNHH-1D65B	4	0.80	-1.000	50.70	8.173	0.69	167.26	10.052	0.69
143.00	Commscope SBNHH-1D45B	4	0.80	-1.000	61.70	11.400	0.63	213.43	13.251	0.63
143.00	Flat Low Profile Platform	1	1.00	0.000	1,500.00	26.100	1.00	1,930.30	38.780	1.00
133.00	KMW KMDAPS2040000 (E-F	3	0.75	0.000	15.90	0.967	0.50	33.09	1.429	0.50
133.00	KMW AM-X-WM-17-65-00T (48")	3	0.75	0.000	14.20	3.361	0.64	55.39	4.602	0.64
133.00	Decibel DB844H90E-XY	9	0.75	0.000	14.00	3.615	0.73	80.80	3.609	0.73
132.00	Ericsson Air6449 B41	3	0.75	0.000	104.00	5.682	0.63	193.82	6.728	0.63
132.00	Ericsson AIR-32 B2A/B66Aa	3	0.75	0.000	132.20	6.510	0.71	237.39	7.954	0.71
132.00	Flat Platform w/ Handrails	1	1.00	0.000	2,000.00	42.400	1.00	2,936.62	56.222	1.00
120.00	Alcatel-Lucent RRH2x50-08	3	0.80	0.000	52.90	1.701	0.50	91.53	2.263	0.50
120.00	Alcatel-Lucent 800 MHz 2X50W	3	0.80	0.000	64.00	2.058	0.67	114.23	2.682	0.67
120.00	Alcatel-Lucent 4x40W RRH (91	3	0.80	0.000	91.00	3.287	0.72	162.38	4.065	0.72
120.00	Alcatel-Lucent TD-RRH8x20-25	3	0.80	0.000	70.00	4.046	0.61	131.61	4.911	0.61
120.00	RFS APXVSPP18-C-A20	3	0.80	0.000	57.00	8.024	0.69	169.45	9.842	0.69
120.00	Commscope DT465B-2XR	3	0.80	0.000	58.00	9.098	0.69	189.71	10.904	0.69
120.00	Flat Low Profile Platform	1	1.00	0.000	1,500.00	26.100	1.00	1,922.37	38.546	1.00
105.00	Antel BCD-87010 ___ 4°	1	1.00	0.000	26.50	2.900	1.00	100.57	5.495	1.00
100.00	Flat Side Arm	1	1.00	0.000	150.00	6.300	1.00	196.81	7.873	1.00
75.00	PCTEL GPS-TMG-HR-26N	1	1.00	0.000	0.60	0.090	1.00	3.61	0.202	1.00
75.00	Round Side Arm	1	1.00	0.000	150.00	5.200	1.00	195.44	6.888	1.00

Totals Num Loadings:47 131 13,736.10 25,232.54

Linear Appurtenance Properties

Load Case Azimuth (deg) : 90

Elev From (ft)	Elev To (ft)	Qty	Description	Coax Dia (in)	Coax Wt (lb/ft)	Flat	Max Coax / Row	Dist Between Rows (in)	Dist Between Cols (in)	Azimuth (deg)	Dist From Face (in)	Exposed To Wind	Carrier
0.00	160.00	2	1 1/4" (1.25"- 31.8mm)	1.25	1.05	N	2	0.00	0.50	180	0.50	Y	T-MOBILE
0.00	160.00	1	1 5/8" Hybriflex	1.98	1.30	N	0	0.00	0.00	0	0.00	N	T-MOBILE
0.00	152.00	2	0.39" (10mm) Fiber	0.39	0.06	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
0.00	152.00	6	0.78" (19.7mm) 8 AWG	0.78	0.59	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
0.00	152.00	12	1 1/4" Coax	1.55	0.63	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
0.00	152.00	1	3" conduit	3.50	7.58	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
0.00	143.00	12	1 5/8" Coax	1.98	0.82	N	0	0.00	0.00	0	0.00	N	VERIZON WIRELESS
10.00	143.00	2	1 5/8" Hybriflex	1.98	1.30	N	2	0.00	0.50	90	0.50	Y	VERIZON WIRELESS
0.00	132.00	2	1 5/8" Hybriflex	1.98	1.30	N	0	0.00	0.00	0	0.00	N	T-MOBILE
10.00	132.00	1	1 1/4" (1.25"- 31.8mm)	1.25	1.05	N	1	0.00	0.00	190	0.50	Y	T-MOBILE
0.00	120.00	4	1 1/4" Hybriflex Cable	1.54	1.00	N	2	0.50	0.50	1	0.50	Y	SPRINT NEXTEL
0.00	113.30	1	#20 Dywidag	4.00	4.68	N	1	0.00	0.00	45	0.00	Y	
0.00	113.30	1	#20 Dywidag	4.00	4.68	N	1	0.00	0.00	135	0.00	Y	
0.00	113.30	1	#20 Dywidag	4.00	4.68	N	1	0.00	0.00	225	0.00	Y	
0.00	113.30	1	#20 Dywidag	4.00	4.68	N	1	0.00	0.00	315	0.00	Y	
10.00	105.00	1	7/8" Coax	1.09	0.33	N	0	0.00	0.00	0	0.00	N	SENSUS USA INC.
10.00	75.00	1	1/2" Coax	0.63	0.15	N	1	0.00	0.00	280	0.50	Y	SPRINT NEXTEL
10.00	75.00	1	1/2" Coax	0.63	0.15	N	1	0.00	0.00	275	0.50	Y	SPRINT NEXTEL

Additional Steel

Elev From (ft)	Elev To (ft)	Qty	Description	Fy (ksi)	Offset (in)	Intermediate Connections			Connectors	Continuation?
						Description	Spacing (in)	Len (in)		
0.00	105.1	4	SOL #20 All Thread	80	2.19	6" Angle Bracket	30.0	3.31	5/8" A36 U-Bolt	No

Segment Properties (Max Len : 5. ft)

Seg Top Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	F'y (ksi)	S (in^3)	Z (in^3)	Weight (lb)	Additional Reinforcing Area (in^2)	Additional Reinforcing Ix (in^4)	Additional Reinforcing Weight (lb)
0.00		0.4375	48.000	66.044	18,876.3	17.93	109.71	80.3	774.6	0.0	0.0	19.64	7,401	0.0
5.00		0.4375	47.024	64.690	17,738.5	17.54	107.48	80.8	743.0	0.0	1,112.1	19.64	7,141	334.0
10.00		0.4375	46.049	63.335	16,647.3	17.15	105.25	81.2	712.0	0.0	1,089.1	19.64	6,885	334.0
15.00		0.4375	45.073	61.980	15,601.9	16.76	103.03	81.7	681.8	0.0	1,066.1	19.64	6,634	334.0
20.00		0.4375	44.098	60.626	14,601.2	16.36	100.80	82.2	652.2	0.0	1,043.0	19.64	6,387	334.0
25.00		0.4375	43.122	59.271	13,644.2	15.97	98.57	82.6	623.2	0.0	1,020.0	19.64	6,145	334.0
30.00		0.4375	42.147	57.917	12,729.9	15.58	96.34	82.6	594.9	0.0	996.9	19.64	5,908	334.0
35.00		0.4375	41.171	56.562	11,857.5	15.18	94.11	82.6	567.3	0.0	973.9	19.64	5,676	334.0
40.00		0.4375	40.196	55.208	11,025.8	14.79	91.88	82.6	540.3	0.0	950.8	19.64	5,448	334.0
41.16	Bot - Section 2	0.4375	39.969	54.892	10,838.1	14.70	91.36	82.6	534.1	0.0	217.9	19.64	5,396	77.7
45.00		0.4375	39.220	53.853	10,234.0	14.40	89.65	82.6	513.9	0.0	1,330.9	19.64	5,396	256.3
46.83	Top - Section 1	0.3750	39.613	46.702	9,084.7	17.22	105.64	81.2	451.7	0.0	625.9	19.64	5,314	122.2
50.00		0.3750	38.995	45.966	8,661.8	16.93	103.99	81.5	437.5	0.0	499.8	19.64	5,174	211.8
55.00		0.3750	38.019	44.805	8,021.9	16.47	101.39	82.0	415.6	0.0	772.2	19.64	4,956	334.0
60.00		0.3750	37.044	43.644	7,414.3	16.01	98.78	82.6	394.2	0.0	752.4	19.64	4,744	334.0
65.00		0.3750	36.068	42.483	6,838.2	15.55	96.18	82.6	373.4	0.0	732.7	19.64	4,536	334.0
70.00		0.3750	35.093	41.321	6,292.7	15.09	93.58	82.6	353.2	0.0	712.9	19.64	4,332	334.0
75.00		0.3750	34.117	40.160	5,777.0	14.63	90.98	82.6	333.5	0.0	693.2	19.64	4,134	334.0
80.00		0.3750	33.142	38.999	5,290.3	14.17	88.38	82.6	314.4	0.0	673.4	19.64	3,940	334.0
81.62	Bot - Section 3	0.3750	32.825	38.622	5,138.4	14.02	87.53	82.6	308.3	0.0	214.4	19.64	3,878	108.4
85.00		0.3750	32.166	37.838	4,831.7	13.71	85.78	82.6	295.9	0.0	813.2	19.64	3,871	225.6
86.37	Top - Section 2	0.3125	32.523	31.948	4,188.0	16.94	104.08	81.5	253.6	0.0	326.0	19.64	3,819	91.7
90.00		0.3125	31.816	31.246	3,918.0	16.54	101.81	81.9	242.6	0.0	389.9	19.64	3,683	242.3
95.00		0.3125	30.840	30.279	3,565.2	15.99	98.69	82.6	227.7	0.0	523.4	19.64	3,500	334.0
100.0		0.3125	29.865	29.311	3,234.2	15.44	95.57	82.6	213.3	0.0	506.9	19.64	3,322	334.0
105.0		0.3125	28.889	28.344	2,924.4	14.89	92.45	82.6	199.4	0.0	490.5	19.64	3,148	334.0
105.1	Reinf. Top	0.3125	28.865	28.319	2,916.9	14.88	92.37	82.6	199.0	0.0	12.1	19.64	3,144	8.3
110.0		0.3125	27.914	27.376	2,635.0	14.34	89.32	82.6	185.9	0.0	462.0			
115.0		0.3125	26.938	26.409	2,365.4	13.79	86.20	82.6	172.9	0.0	457.5			
120.0		0.3125	25.963	25.441	2,114.8	13.24	83.08	82.6	160.4	0.0	441.1			
125.0		0.3125	24.987	24.473	1,882.6	12.69	79.96	82.6	148.4	0.0	424.6			
125.1	Bot - Section 4	0.3125	24.963	24.450	1,877.1	12.67	79.88	82.6	148.1	0.0	10.3			
128.8	Top - Section 3	0.2500	24.732	19.425	1,471.0	16.03	98.93	82.5	117.1	0.0	558.9			
130.0		0.2500	24.512	19.251	1,431.7	15.88	98.05	82.6	115.0	0.0	74.1			
132.0		0.2500	24.122	18.941	1,363.7	15.60	96.49	82.6	111.4	0.0	130.0			
133.0		0.2500	23.927	18.787	1,330.6	15.46	95.71	82.6	109.5	0.0	64.2			
135.0		0.2500	23.536	18.477	1,265.9	15.19	94.15	82.6	105.9	0.0	126.8			
140.0		0.2500	22.561	17.703	1,113.3	14.50	90.24	82.6	97.2	0.0	307.8			
143.0		0.2500	21.976	17.239	1,028.0	14.09	87.90	82.6	92.1	0.0	178.3			
145.0		0.2500	21.585	16.929	973.6	13.81	86.34	82.6	88.8	0.0	116.3			
148.0		0.2500	21.000	16.465	895.7	13.40	84.00	82.6	84.0	0.0	170.4			
148.0		0.2500	20.999	16.464	895.6	13.40	84.00	82.6	84.0	0.0	0.2			
											22,062.0			7,022.3

Site Number: 302515 Code: ANSI/TIA-222-H

Site Name: SMFR - North, CT Engineering Number:13337519_C3_03 3/25/2021 2:13:36 PM

Customer: T-MOBILE

Load Case: 1.2D + 1.0W 116 mph with No Ice 24 Iterations

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

Applied Segment Forces Summary

Seg Elev (ft)	Description	Shaft Forces Wind FX (lb)	Shaft Forces Dead Load (lb)	Discrete Forces Wind FX (lb)	Discrete Forces Torsion MY (lb-ft)	Discrete Forces Moment MZ (lb-ft)	Discrete Forces Dead Load (lb)	Linear Forces Wind FX (lb)	Linear Forces Dead Load (lb)	Sum of Forces Wind FX (lb)	Sum of Forces Dead Load (lb)	Sum of Forces Torsion MY (lb-ft)	Sum of Forces Moment MZ (lb)
0.00		183.4	0.0					0.0	0.0	183.4	0.0	0.0	0.0
5.00		363.0	1,334.6					0.0	745.0	363.0	2,079.5	0.0	0.0
10.00		358.4	1,306.9					0.0	745.0	358.4	2,051.9	0.0	0.0
15.00		355.9	1,279.3					0.0	770.6	355.9	2,049.9	0.0	0.0
20.00		352.6	1,251.6					0.0	770.6	352.6	2,022.2	0.0	0.0
25.00		349.3	1,223.9					0.0	770.6	349.3	1,994.6	0.0	0.0
30.00		350.2	1,196.3					0.0	770.6	350.2	1,966.9	0.0	0.0
35.00		358.3	1,168.6					0.0	770.6	358.3	1,939.3	0.0	0.0
40.00		225.1	1,141.0					0.0	770.6	225.1	1,911.6	0.0	0.0
41.16	Bot - Section 2	189.6	261.5					0.0	179.3	189.6	440.8	0.0	0.0
45.00		217.3	1,597.1					0.0	591.3	217.3	2,188.4	0.0	0.0
46.83	Top - Section 1	193.3	751.1					0.0	282.1	193.3	1,033.2	0.0	0.0
50.00		318.7	599.8					0.0	488.6	318.7	1,088.3	0.0	0.0
55.00		395.8	926.6					0.0	770.6	395.8	1,697.3	0.0	0.0
60.00		402.0	902.9					0.0	770.6	402.0	1,673.5	0.0	0.0
65.00		407.6	879.2					0.0	770.6	407.6	1,649.8	0.0	0.0
70.00		412.6	855.5					0.0	770.6	412.6	1,626.1	0.0	0.0
75.00	Appurtenance(s)	417.0	831.8	171.9	0.0	0.0	180.7	0.0	770.6	588.9	1,783.2	0.0	0.0
80.00		278.0	808.1					0.0	768.8	278.0	1,576.9	0.0	0.0
81.62	Bot - Section 3	214.2	257.3					0.0	249.6	214.2	506.9	0.0	0.0
85.00		205.3	975.8					0.0	519.2	205.3	1,495.0	0.0	0.0
86.37	Top - Section 2	215.2	391.2					0.0	211.2	215.2	602.4	0.0	0.0
90.00		371.6	467.9					0.0	557.7	371.6	1,025.6	0.0	0.0
95.00		433.3	628.1					0.0	768.8	433.3	1,396.9	0.0	0.0
100.00	Appurtenance(s)	436.0	608.3	222.3	0.0	0.0	180.0	0.0	768.8	658.3	1,557.2	0.0	0.0
105.00	Appurtenance(s)	224.2	588.6	103.8	0.0	0.0	31.8	0.0	768.8	327.9	1,389.2	0.0	0.0
105.13	Reinf. Top	219.9	14.5					0.0	19.2	219.9	33.6	0.0	0.0
110.00		435.5	554.3					0.0	356.9	435.5	911.3	0.0	0.0
115.00		443.3	549.1					0.0	327.9	443.3	876.9	0.0	0.0
120.00	Appurtenance(s)	369.3	529.3	2,654.2	0.0	0.0	3,214.4	0.0	253.7	3,023.5	3,997.5	0.0	0.0
125.00		150.7	509.5					0.0	229.7	150.7	739.3	0.0	0.0
125.12	Bot - Section 4	113.4	12.3					0.0	5.7	113.4	18.0	0.0	0.0
128.87	Top - Section 3	142.4	670.7					0.0	172.3	142.4	843.0	0.0	0.0
130.00		89.8	89.0					0.0	51.8	89.8	140.7	0.0	0.0
132.00	Appurtenance(s)	85.6	156.0	2,324.3	0.0	0.0	3,250.3	0.0	91.9	2,410.0	3,498.2	0.0	0.0
133.00	Appurtenance(s)	84.6	77.0	908.7	0.0	0.0	259.6	0.0	41.6	993.3	378.2	0.0	0.0
135.00		193.8	152.2					0.0	83.1	193.8	235.3	0.0	0.0
140.00		217.9	369.3					0.0	207.8	217.9	577.2	0.0	0.0
143.00	Appurtenance(s)	133.1	214.0	4,183.7	0.0	-2,575.1	3,340.1	0.0	124.7	4,316.7	3,678.8	0.0	0.0
145.00		130.3	139.5					0.0	53.3	130.3	192.8	0.0	0.0
148.00	Appurtenance(s)	77.7	204.5	5,104.6	0.0	14,236.2	5,130.4	0.0	79.9	5,182.3	5,414.8	0.0	0.0
148.00		0.1	0.2					0.0	0.1	0.1	0.3	0.0	0.0
								Totals:		26,788.5	60,282.5	0.00	0.00

Load Case: 1.2D + 1.0W 116 mph with No Ice 24 Iterations

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

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-61.13	-28.46	0.00	-3,429.82	0.00	3,429.82	4,773.35	1,159.07	4,979.55	4,665.14	0.00	0.00	0.539
5.00	-58.96	-28.28	0.00	-3,287.53	0.00	3,287.53	4,702.37	1,135.30	4,777.41	4,500.65	0.10	-0.18	0.531
10.00	-56.82	-28.10	0.00	-3,146.12	0.00	3,146.12	4,630.27	1,111.53	4,579.46	4,337.98	0.39	-0.37	0.523
15.00	-54.69	-27.90	0.00	-3,005.64	0.00	3,005.64	4,557.03	1,087.76	4,385.70	4,177.19	0.87	-0.55	0.515
20.00	-52.58	-27.70	0.00	-2,866.13	0.00	2,866.13	4,482.67	1,063.98	4,196.12	4,018.36	1.55	-0.74	0.506
25.00	-50.50	-27.49	0.00	-2,727.63	0.00	2,727.63	4,403.56	1,040.21	4,010.74	3,858.37	2.42	-0.93	0.497
30.00	-48.44	-27.27	0.00	-2,590.19	0.00	2,590.19	4,302.92	1,016.44	3,829.54	3,683.15	3.50	-1.12	0.489
35.00	-46.42	-27.02	0.00	-2,453.85	0.00	2,453.85	4,202.28	992.67	3,652.53	3,512.01	4.78	-1.31	0.481
40.00	-44.46	-26.84	0.00	-2,318.73	0.00	2,318.73	4,101.65	968.89	3,479.71	3,344.94	6.26	-1.51	0.473
41.16	-43.98	-26.72	0.00	-2,287.51	0.00	2,287.51	4,078.23	963.36	3,440.10	3,306.65	6.63	-1.55	0.471
45.00	-41.75	-26.52	0.00	-2,184.99	0.00	2,184.99	4,001.01	945.12	3,311.08	3,181.94	7.94	-1.70	0.458
46.83	-40.67	-26.37	0.00	-2,136.46	0.00	2,136.46	3,410.94	819.62	2,904.97	2,749.21	8.61	-1.77	0.500
50.00	-39.52	-26.13	0.00	-2,052.88	0.00	2,052.88	3,371.32	806.70	2,814.13	2,674.05	9.83	-1.90	0.490
55.00	-37.75	-25.81	0.00	-1,922.26	0.00	1,922.26	3,307.92	786.32	2,673.78	2,556.85	11.92	-2.10	0.474
60.00	-36.00	-25.47	0.00	-1,793.23	0.00	1,793.23	3,242.50	765.95	2,537.02	2,440.69	14.24	-2.31	0.457
65.00	-34.28	-25.11	0.00	-1,665.89	0.00	1,665.89	3,156.24	745.57	2,403.85	2,311.92	16.76	-2.51	0.442
70.00	-32.59	-24.74	0.00	-1,540.34	0.00	1,540.34	3,069.98	725.19	2,274.27	2,186.64	19.50	-2.71	0.426
75.00	-30.76	-24.17	0.00	-1,416.65	0.00	1,416.65	2,983.72	704.82	2,148.28	2,064.84	22.44	-2.91	0.408
80.00	-29.14	-23.87	0.00	-1,295.81	0.00	1,295.81	2,897.46	684.44	2,025.88	1,946.54	25.59	-3.10	0.389
81.62	-28.61	-23.68	0.00	-1,257.05	0.00	1,257.05	2,869.45	677.82	1,986.91	1,908.88	26.65	-3.17	0.383
85.00	-27.09	-23.43	0.00	-1,177.09	0.00	1,177.09	2,811.20	664.06	1,907.07	1,831.73	28.94	-3.30	0.364
86.37	-26.46	-23.23	0.00	-1,144.91	0.00	1,144.91	2,342.68	560.69	1,631.35	1,549.81	29.90	-3.35	0.395
90.00	-25.40	-22.87	0.00	-1,060.67	0.00	1,060.67	2,304.43	548.37	1,560.47	1,490.69	32.49	-3.48	0.375
95.00	-23.96	-22.42	0.00	-946.34	0.00	946.34	2,249.56	531.39	1,465.34	1,409.69	36.24	-3.67	0.347
100.00	-22.38	-21.73	0.00	-834.22	0.00	834.22	2,177.68	514.41	1,373.20	1,320.60	40.17	-3.85	0.320
105.00	-20.99	-21.34	0.00	-725.55	0.00	725.55	2,105.79	497.43	1,284.06	1,234.41	44.29	-4.02	0.291
105.13	-20.94	-21.15	0.00	-722.89	0.00	722.89	2,103.99	497.01	1,281.87	1,232.29	44.40	-4.02	0.290
105.13	-20.94	-21.15	0.00	-722.89	0.00	722.89	2,103.99	497.01	1,281.87	1,232.29	44.40	-4.02	0.598
110.00	-19.98	-20.73	0.00	-619.78	0.00	619.78	2,033.91	480.45	1,197.90	1,151.13	48.59	-4.18	0.550
115.00	-19.03	-20.32	0.00	-516.12	0.00	516.12	1,962.02	463.47	1,114.74	1,070.76	53.12	-4.48	0.494
120.00	-15.21	-17.06	0.00	-414.52	0.00	414.52	1,890.14	446.49	1,034.57	993.30	57.96	-4.76	0.427
125.00	-14.45	-16.87	0.00	-329.24	0.00	329.24	1,818.26	429.51	957.39	918.75	63.08	-5.01	0.368
125.12	-14.42	-16.78	0.00	-327.16	0.00	327.16	1,816.48	429.09	955.52	916.95	63.21	-5.02	0.366
128.87	-13.56	-16.59	0.00	-264.23	0.00	264.23	1,443.09	340.92	753.91	725.23	67.22	-5.19	0.376
130.00	-13.41	-16.50	0.00	-245.54	0.00	245.54	1,430.26	337.86	740.43	712.26	68.45	-5.23	0.356
132.00	-10.13	-13.79	0.00	-212.53	0.00	212.53	1,407.26	332.42	716.81	689.42	70.66	-5.32	0.317
133.00	-9.83	-12.78	0.00	-198.74	0.00	198.74	1,395.75	329.71	705.14	678.14	71.78	-5.37	0.302
135.00	-9.59	-12.59	0.00	-173.18	0.00	173.18	1,372.75	324.27	682.09	655.86	74.04	-5.45	0.273
140.00	-9.01	-12.33	0.00	-110.25	0.00	110.25	1,315.24	310.69	626.15	601.78	79.83	-5.61	0.192
143.00	-5.77	-7.68	0.00	-73.26	0.00	73.26	1,280.74	302.54	593.74	570.45	83.37	-5.68	0.134
145.00	-5.59	-7.53	0.00	-57.90	0.00	57.90	1,257.74	297.10	572.60	550.03	85.75	-5.71	0.110
148.00	-0.72	-1.84	0.00	-21.06	0.00	21.06	1,223.23	288.95	541.62	520.09	89.35	-5.75	0.041
148.00	0.00	-1.76	0.00	-21.06	0.00	21.06	1,223.19	288.94	541.59	520.06	89.35	-5.75	0.041

Site Number: 302515 Code: ANSI/TIA-222-H

Site Name: SMFR - North, CT Engineering Number:13337519_C3_03 3/25/2021 2:13:40 PM

Customer: T-MOBILE

Load Case: 0.9D + 1.0W 116 mph with No Ice (Reduced DL) 24 Iterations

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

Applied Segment Forces Summary

		Shaft Forces		Discrete Forces				Linear Forces		Sum of Forces			
Seg Elev (ft)	Description	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Torsion MY (lb-ft)	Moment MZ (lb)
0.00		183.4	0.0					0.0	0.0	183.4	0.0	0.0	0.0
5.00		363.0	1,000.9					0.0	558.7	363.0	1,559.6	0.0	0.0
10.00		358.4	980.2					0.0	558.7	358.4	1,538.9	0.0	0.0
15.00		355.9	959.4					0.0	578.0	355.9	1,537.4	0.0	0.0
20.00		352.6	938.7					0.0	578.0	352.6	1,516.7	0.0	0.0
25.00		349.3	918.0					0.0	578.0	349.3	1,495.9	0.0	0.0
30.00		350.2	897.2					0.0	578.0	350.2	1,475.2	0.0	0.0
35.00		358.3	876.5					0.0	578.0	358.3	1,454.5	0.0	0.0
40.00		225.1	855.7					0.0	578.0	225.1	1,433.7	0.0	0.0
41.16	Bot - Section 2	189.6	196.1					0.0	134.5	189.6	330.6	0.0	0.0
45.00		217.3	1,197.8					0.0	443.5	217.3	1,641.3	0.0	0.0
46.83	Top - Section 1	193.3	563.3					0.0	211.5	193.3	774.9	0.0	0.0
50.00		318.7	449.8					0.0	366.4	318.7	816.3	0.0	0.0
55.00		395.8	695.0					0.0	578.0	395.8	1,272.9	0.0	0.0
60.00		402.0	677.2					0.0	578.0	402.0	1,255.2	0.0	0.0
65.00		407.6	659.4					0.0	578.0	407.6	1,237.4	0.0	0.0
70.00		412.6	641.6					0.0	578.0	412.6	1,219.6	0.0	0.0
75.00	Appurtenance(s)	417.0	623.8	171.9	0.0	0.0	135.5	0.0	578.0	588.9	1,337.4	0.0	0.0
80.00		278.0	606.1					0.0	576.6	278.0	1,182.7	0.0	0.0
81.62	Bot - Section 3	214.2	192.9					0.0	187.2	214.2	380.2	0.0	0.0
85.00		205.3	731.8					0.0	389.4	205.3	1,121.3	0.0	0.0
86.37	Top - Section 2	215.2	293.4					0.0	158.4	215.2	451.8	0.0	0.0
90.00		371.6	350.9					0.0	418.2	371.6	769.2	0.0	0.0
95.00		433.3	471.1					0.0	576.6	433.3	1,047.7	0.0	0.0
100.00	Appurtenance(s)	436.0	456.2	222.3	0.0	0.0	135.0	0.0	576.6	658.3	1,167.9	0.0	0.0
105.00	Appurtenance(s)	224.2	441.4	103.8	0.0	0.0	23.8	0.0	576.6	327.9	1,041.9	0.0	0.0
105.13	Reinf. Top	219.9	10.8					0.0	14.4	219.9	25.2	0.0	0.0
110.00		435.5	415.8					0.0	267.7	435.5	683.4	0.0	0.0
115.00		443.3	411.8					0.0	245.9	443.3	657.7	0.0	0.0
120.00	Appurtenance(s)	369.3	397.0	2,654.2	0.0	0.0	2,410.8	0.0	190.3	3,023.5	2,998.1	0.0	0.0
125.00		150.7	382.2					0.0	172.3	150.7	554.5	0.0	0.0
125.12	Bot - Section 4	113.4	9.2					0.0	4.3	113.4	13.5	0.0	0.0
128.87	Top - Section 3	142.4	503.0					0.0	129.2	142.4	632.3	0.0	0.0
130.00		89.8	66.7					0.0	38.8	89.8	105.6	0.0	0.0
132.00	Appurtenance(s)	85.6	117.0	2,324.3	0.0	0.0	2,437.7	0.0	68.9	2,410.0	2,623.6	0.0	0.0
133.00	Appurtenance(s)	84.6	57.8	908.7	0.0	0.0	194.7	0.0	31.2	993.3	283.6	0.0	0.0
135.00		193.8	114.1					0.0	62.4	193.8	176.5	0.0	0.0
140.00		217.9	277.0					0.0	155.9	217.9	432.9	0.0	0.0
143.00	Appurtenance(s)	133.1	160.5	4,183.7	0.0	-2,575.1	2,505.1	0.0	93.5	4,316.7	2,759.1	0.0	0.0
145.00		130.3	104.6					0.0	40.0	130.3	144.6	0.0	0.0
148.00	Appurtenance(s)	77.7	153.4	5,104.6	0.0	14,236.2	3,847.8	0.0	59.9	5,182.3	4,061.1	0.0	0.0
148.00		0.1	0.2					0.0	0.1	0.1	0.2	0.0	0.0
								Totals:		26,788.5	45,211.9	0.00	0.00

Load Case: 0.9D + 1.0W — 116 mph with No Ice (Reduced DL) — 24 Iterations

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

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-45.84	-28.43	0.00	-3,381.60	0.00	3,381.60	4,773.35	1,159.07	4,979.55	4,665.14	0.00	0.00	0.529
5.00	-44.19	-28.21	0.00	-3,239.44	0.00	3,239.44	4,702.37	1,135.30	4,777.41	4,500.65	0.10	-0.18	0.521
10.00	-42.56	-27.98	0.00	-3,098.41	0.00	3,098.41	4,630.27	1,111.53	4,579.46	4,337.98	0.38	-0.36	0.513
15.00	-40.94	-27.74	0.00	-2,958.52	0.00	2,958.52	4,557.03	1,087.76	4,385.70	4,177.19	0.86	-0.54	0.504
20.00	-39.34	-27.50	0.00	-2,819.82	0.00	2,819.82	4,482.67	1,063.98	4,196.12	4,018.36	1.53	-0.73	0.495
25.00	-37.76	-27.25	0.00	-2,682.33	0.00	2,682.33	4,403.56	1,040.21	4,010.74	3,858.37	2.39	-0.91	0.486
30.00	-36.20	-26.99	0.00	-2,546.08	0.00	2,546.08	4,302.92	1,016.44	3,829.54	3,683.15	3.45	-1.10	0.479
35.00	-34.67	-26.72	0.00	-2,411.11	0.00	2,411.11	4,202.28	992.67	3,652.53	3,512.01	4.70	-1.29	0.471
40.00	-33.19	-26.53	0.00	-2,277.51	0.00	2,277.51	4,101.65	968.89	3,479.71	3,344.94	6.16	-1.48	0.462
41.16	-32.82	-26.39	0.00	-2,246.65	0.00	2,246.65	4,078.23	963.36	3,440.10	3,306.65	6.53	-1.53	0.460
45.00	-31.13	-26.18	0.00	-2,145.41	0.00	2,145.41	4,001.01	945.12	3,311.08	3,181.94	7.81	-1.68	0.448
46.83	-30.32	-26.02	0.00	-2,097.50	0.00	2,097.50	3,410.94	819.62	2,904.97	2,749.21	8.47	-1.75	0.489
50.00	-29.44	-25.76	0.00	-2,015.03	0.00	2,015.03	3,371.32	806.70	2,814.13	2,674.05	9.67	-1.87	0.479
55.00	-28.09	-25.41	0.00	-1,886.25	0.00	1,886.25	3,307.92	786.32	2,673.78	2,556.85	11.74	-2.07	0.463
60.00	-26.77	-25.06	0.00	-1,759.18	0.00	1,759.18	3,242.50	765.95	2,537.02	2,440.69	14.01	-2.27	0.446
65.00	-25.46	-24.69	0.00	-1,633.89	0.00	1,633.89	3,156.24	745.57	2,403.85	2,311.92	16.49	-2.47	0.431
70.00	-24.18	-24.30	0.00	-1,510.45	0.00	1,510.45	3,069.98	725.19	2,274.27	2,186.64	19.18	-2.66	0.416
75.00	-22.79	-23.73	0.00	-1,388.93	0.00	1,388.93	2,983.72	704.82	2,148.28	2,064.84	22.07	-2.86	0.398
80.00	-21.58	-23.44	0.00	-1,270.29	0.00	1,270.29	2,897.46	684.44	2,025.88	1,946.54	25.16	-3.05	0.380
81.62	-21.17	-23.24	0.00	-1,232.24	0.00	1,232.24	2,869.45	677.82	1,986.91	1,908.88	26.21	-3.11	0.374
85.00	-20.02	-23.00	0.00	-1,153.78	0.00	1,153.78	2,811.20	664.06	1,907.07	1,831.73	28.46	-3.24	0.356
86.37	-19.55	-22.79	0.00	-1,122.19	0.00	1,122.19	2,342.68	560.69	1,631.35	1,549.81	29.40	-3.29	0.386
90.00	-18.74	-22.43	0.00	-1,039.53	0.00	1,039.53	2,304.43	548.37	1,560.47	1,490.69	31.94	-3.42	0.366
95.00	-17.65	-21.99	0.00	-927.39	0.00	927.39	2,249.56	531.39	1,465.34	1,409.69	35.62	-3.60	0.338
100.00	-16.47	-21.30	0.00	-817.45	0.00	817.45	2,177.68	514.41	1,373.20	1,320.60	39.49	-3.78	0.312
105.00	-15.42	-20.93	0.00	-710.93	0.00	710.93	2,105.79	497.43	1,284.06	1,234.41	43.54	-3.94	0.283
105.13	-15.38	-20.73	0.00	-708.31	0.00	708.31	2,103.99	497.01	1,281.87	1,232.29	43.64	-3.95	0.283
105.13	-15.38	-20.73	0.00	-708.31	0.00	708.31	2,103.99	497.01	1,281.87	1,232.29	43.64	-3.95	0.584
110.00	-14.65	-20.31	0.00	-607.26	0.00	607.26	2,033.91	480.45	1,197.90	1,151.13	47.75	-4.10	0.537
115.00	-13.93	-19.88	0.00	-505.73	0.00	505.73	1,962.02	463.47	1,114.74	1,070.76	52.20	-4.40	0.481
120.00	-11.10	-16.68	0.00	-406.31	0.00	406.31	1,890.14	446.49	1,034.57	993.30	56.96	-4.67	0.416
125.00	-10.53	-16.51	0.00	-322.89	0.00	322.89	1,818.26	429.51	957.39	918.75	61.98	-4.92	0.359
125.12	-10.50	-16.41	0.00	-320.86	0.00	320.86	1,816.48	429.09	955.52	916.95	62.11	-4.93	0.357
128.87	-9.85	-16.23	0.00	-259.31	0.00	259.31	1,443.09	340.92	753.91	725.23	66.04	-5.09	0.367
130.00	-9.73	-16.15	0.00	-241.03	0.00	241.03	1,430.26	337.86	740.43	712.26	67.25	-5.14	0.347
132.00	-7.32	-13.52	0.00	-208.74	0.00	208.74	1,407.26	332.42	716.81	689.42	69.42	-5.23	0.310
133.00	-7.12	-12.51	0.00	-195.22	0.00	195.22	1,395.75	329.71	705.14	678.14	70.52	-5.27	0.294
135.00	-6.94	-12.31	0.00	-170.20	0.00	170.20	1,372.75	324.27	682.09	655.86	72.74	-5.35	0.266
140.00	-6.50	-12.07	0.00	-108.63	0.00	108.63	1,315.24	310.69	626.15	601.78	78.42	-5.50	0.187
143.00	-4.17	-7.51	0.00	-72.42	0.00	72.42	1,280.74	302.54	593.74	570.45	81.90	-5.57	0.131
145.00	-4.03	-7.37	0.00	-57.41	0.00	57.41	1,257.74	297.10	572.60	550.03	84.23	-5.61	0.108
148.00	-0.50	-1.81	0.00	-21.06	0.00	21.06	1,223.23	288.95	541.62	520.09	87.77	-5.65	0.041
148.00	0.00	-1.76	0.00	-21.06	0.00	21.06	1,223.19	288.94	541.59	520.06	87.77	-5.65	0.041

Load Case: 1.2D + 1.0Di + 1.0Wi — 50 mph with 1.00 in Radial Ice — 23 Iterations

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

Applied Segment Forces Summary

Seg Elev (ft)	Description	Shaft Forces Wind FX (lb)	Shaft Forces Dead Load (lb)	Discrete Forces Wind FX (lb)	Discrete Forces Torsion MY (lb-ft)	Discrete Forces Moment MZ (lb-ft)	Discrete Forces Dead Load (lb)	Linear Forces Wind FX (lb)	Linear Forces Dead Load (lb)	Sum of Forces Wind FX (lb)	Sum of Forces Dead Load (lb)	Sum of Forces Torsion MY (lb-ft)	Sum of Forces Moment MZ (lb)
0.00		57.8	0.0					0.0	0.0	57.8	0.0	0.0	0.0
5.00		114.7	1,565.9					0.0	828.4	114.7	2,394.3	0.0	0.0
10.00		112.7	1,560.3					0.0	837.6	112.7	2,397.9	0.0	0.0
15.00		110.5	1,540.7					0.0	902.0	110.5	2,442.7	0.0	0.0
20.00		108.4	1,516.4					0.0	906.5	108.4	2,422.9	0.0	0.0
25.00		106.2	1,489.7					0.0	910.1	106.2	2,399.8	0.0	0.0
30.00		105.2	1,461.6					0.0	912.9	105.2	2,374.5	0.0	0.0
35.00		106.3	1,432.4					0.0	915.4	106.3	2,347.8	0.0	0.0
40.00		66.3	1,402.4					0.0	917.6	66.3	2,320.0	0.0	0.0
41.16	Bot - Section 2	55.1	322.5					0.0	213.8	55.1	536.3	0.0	0.0
45.00		62.9	1,799.5					0.0	705.7	62.9	2,505.2	0.0	0.0
46.83	Top - Section 1	55.9	847.5					0.0	337.0	55.9	1,184.4	0.0	0.0
50.00		91.6	765.0					0.0	584.2	91.6	1,349.2	0.0	0.0
55.00		112.4	1,183.0					0.0	922.8	112.4	2,105.7	0.0	0.0
60.00		112.5	1,155.2					0.0	924.2	112.5	2,079.4	0.0	0.0
65.00		112.3	1,127.2					0.0	925.6	112.3	2,052.7	0.0	0.0
70.00		111.8	1,098.9					0.0	926.8	111.8	2,025.7	0.0	0.0
75.00	Appurtenance(s)	111.1	1,070.3	42.8	0.0	0.0	218.0	0.0	928.0	153.9	2,216.3	0.0	0.0
80.00		73.2	1,041.6					0.0	919.5	73.2	1,961.1	0.0	0.0
81.62	Bot - Section 3	55.5	332.7					0.0	298.7	55.5	631.4	0.0	0.0
85.00		52.9	1,133.0					0.0	621.7	52.9	1,754.8	0.0	0.0
86.37	Top - Section 2	55.2	454.8					0.0	253.0	55.2	707.8	0.0	0.0
90.00		94.5	632.9					0.0	668.4	94.5	1,301.3	0.0	0.0
95.00		108.3	849.9					0.0	922.3	108.3	1,772.2	0.0	0.0
100.00	Appurtenance(s)	106.7	824.5	51.6	0.0	0.0	216.3	0.0	923.1	158.3	1,964.0	0.0	0.0
105.00	Appurtenance(s)	54.2	799.1	36.5	0.0	0.0	105.9	0.0	923.9	90.8	1,828.9	0.0	0.0
105.13	Reinf. Top	52.0	19.7					0.0	23.1	52.0	42.8	0.0	0.0
110.00		101.7	753.9					0.0	508.9	101.7	1,262.8	0.0	0.0
115.00		101.0	747.8					0.0	463.0	101.0	1,210.8	0.0	0.0
120.00	Appurtenance(s)	98.9	722.0	650.1	0.0	0.0	4,634.0	0.0	347.7	749.0	5,703.7	0.0	0.0
125.00		50.1	696.1					0.0	284.8	50.1	980.9	0.0	0.0
125.12	Bot - Section 4	37.7	16.9					0.0	7.0	37.7	24.0	0.0	0.0
128.87	Top - Section 3	47.4	809.8					0.0	213.7	47.4	1,023.5	0.0	0.0
130.00		30.0	130.5					0.0	64.2	30.0	194.7	0.0	0.0
132.00	Appurtenance(s)	28.6	228.6	556.8	0.0	0.0	4,194.5	0.0	114.1	585.4	4,537.2	0.0	0.0
133.00	Appurtenance(s)	28.3	113.1	185.0	0.0	0.0	997.8	0.0	51.4	213.3	1,162.3	0.0	0.0
135.00		65.0	223.3					0.0	102.8	65.0	326.1	0.0	0.0
140.00		73.2	540.6					0.0	257.1	73.2	797.7	0.0	0.0
143.00	Appurtenance(s)	44.8	314.5	1,004.5	0.0	-587.2	5,361.9	0.0	154.4	1,049.3	5,830.8	0.0	0.0
145.00		44.0	205.5					0.0	61.3	44.0	266.9	0.0	0.0
148.00	Appurtenance(s)	26.3	301.2	1,185.7	0.0	3,193.2	8,028.5	0.0	92.0	1,212.0	8,421.7	0.0	0.0
148.00		0.0	0.3					0.0	0.1	0.0	0.4	0.0	0.0
								Totals:		6,856.52	78,862.6	0.00	0.00

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph with 1.00 in Radial Ice 23 Iterations

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

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-80.54	-7.21	0.00	-862.58	0.00	862.58	4,773.35	1,159.07	4,979.55	4,665.14	0.00	0.00	0.146
5.00	-78.14	-7.15	0.00	-826.56	0.00	826.56	4,702.37	1,135.30	4,777.41	4,500.65	0.02	-0.05	0.144
10.00	-75.74	-7.10	0.00	-790.80	0.00	790.80	4,630.27	1,111.53	4,579.46	4,337.98	0.10	-0.09	0.141
15.00	-73.29	-7.04	0.00	-755.31	0.00	755.31	4,557.03	1,087.76	4,385.70	4,177.19	0.22	-0.14	0.139
20.00	-70.86	-6.99	0.00	-720.10	0.00	720.10	4,482.67	1,063.98	4,196.12	4,018.36	0.39	-0.19	0.137
25.00	-68.46	-6.93	0.00	-685.17	0.00	685.17	4,403.56	1,040.21	4,010.74	3,858.37	0.61	-0.23	0.134
30.00	-66.08	-6.87	0.00	-650.53	0.00	650.53	4,302.92	1,016.44	3,829.54	3,683.15	0.88	-0.28	0.132
35.00	-63.73	-6.80	0.00	-616.19	0.00	616.19	4,202.28	992.67	3,652.53	3,512.01	1.20	-0.33	0.130
40.00	-61.40	-6.75	0.00	-582.18	0.00	582.18	4,101.65	968.89	3,479.71	3,344.94	1.57	-0.38	0.128
41.16	-60.86	-6.72	0.00	-574.32	0.00	574.32	4,078.23	963.36	3,440.10	3,306.65	1.67	-0.39	0.127
45.00	-58.36	-6.67	0.00	-548.53	0.00	548.53	4,001.01	945.12	3,311.08	3,181.94	2.00	-0.43	0.124
46.83	-57.17	-6.63	0.00	-536.33	0.00	536.33	3,410.94	819.62	2,904.97	2,749.21	2.16	-0.45	0.135
50.00	-55.82	-6.57	0.00	-515.31	0.00	515.31	3,371.32	806.70	2,814.13	2,674.05	2.47	-0.48	0.132
55.00	-53.71	-6.48	0.00	-482.48	0.00	482.48	3,307.92	786.32	2,673.78	2,556.85	3.00	-0.53	0.128
60.00	-51.62	-6.40	0.00	-450.06	0.00	450.06	3,242.50	765.95	2,537.02	2,440.69	3.58	-0.58	0.123
65.00	-49.56	-6.31	0.00	-418.07	0.00	418.07	3,156.24	745.57	2,403.85	2,311.92	4.21	-0.63	0.120
70.00	-47.54	-6.21	0.00	-386.54	0.00	386.54	3,069.98	725.19	2,274.27	2,186.64	4.90	-0.68	0.115
75.00	-45.32	-6.07	0.00	-355.47	0.00	355.47	2,983.72	704.82	2,148.28	2,064.84	5.64	-0.73	0.111
80.00	-43.35	-6.00	0.00	-325.11	0.00	325.11	2,897.46	684.44	2,025.88	1,946.54	6.43	-0.78	0.106
81.62	-42.72	-5.95	0.00	-315.38	0.00	315.38	2,869.45	677.82	1,986.91	1,908.88	6.70	-0.79	0.104
85.00	-40.96	-5.89	0.00	-295.28	0.00	295.28	2,811.20	664.06	1,907.07	1,831.73	7.27	-0.83	0.099
86.37	-40.25	-5.84	0.00	-287.20	0.00	287.20	2,342.68	560.69	1,631.35	1,549.81	7.51	-0.84	0.108
90.00	-38.95	-5.75	0.00	-266.02	0.00	266.02	2,304.43	548.37	1,560.47	1,490.69	8.16	-0.87	0.102
95.00	-37.18	-5.65	0.00	-237.25	0.00	237.25	2,249.56	531.39	1,465.34	1,409.69	9.10	-0.92	0.095
100.00	-35.21	-5.48	0.00	-209.01	0.00	209.01	2,177.68	514.41	1,373.20	1,320.60	10.09	-0.97	0.088
105.00	-33.38	-5.37	0.00	-181.59	0.00	181.59	2,105.79	497.43	1,284.06	1,234.41	11.13	-1.01	0.080
105.13	-33.34	-5.33	0.00	-180.92	0.00	180.92	2,103.99	497.01	1,281.87	1,232.29	11.16	-1.01	0.080
105.13	-33.34	-5.33	0.00	-180.92	0.00	180.92	2,103.99	497.01	1,281.87	1,232.29	11.16	-1.01	0.163
110.00	-32.07	-5.24	0.00	-154.92	0.00	154.92	2,033.91	480.45	1,197.90	1,151.13	12.21	-1.05	0.150
115.00	-30.86	-5.16	0.00	-128.72	0.00	128.72	1,962.02	463.47	1,114.74	1,070.76	13.35	-1.12	0.136
120.00	-25.16	-4.32	0.00	-102.94	0.00	102.94	1,890.14	446.49	1,034.57	993.30	14.56	-1.19	0.117
125.00	-24.18	-4.26	0.00	-81.33	0.00	81.33	1,818.26	429.51	957.39	918.75	15.85	-1.26	0.102
125.12	-24.16	-4.23	0.00	-80.81	0.00	80.81	1,816.48	429.09	955.52	916.95	15.88	-1.26	0.102
128.87	-23.13	-4.17	0.00	-64.93	0.00	64.93	1,443.09	340.92	753.91	725.23	16.88	-1.30	0.106
130.00	-22.94	-4.15	0.00	-60.23	0.00	60.23	1,430.26	337.86	740.43	712.26	17.19	-1.31	0.101
132.00	-18.41	-3.46	0.00	-51.93	0.00	51.93	1,407.26	332.42	716.81	689.42	17.75	-1.33	0.089
133.00	-17.26	-3.23	0.00	-48.47	0.00	48.47	1,395.75	329.71	705.14	678.14	18.03	-1.34	0.084
135.00	-16.93	-3.16	0.00	-42.02	0.00	42.02	1,372.75	324.27	682.09	655.86	18.59	-1.36	0.076
140.00	-16.13	-3.08	0.00	-26.21	0.00	26.21	1,315.24	310.69	626.15	601.78	20.04	-1.40	0.056
143.00	-10.33	-1.89	0.00	-16.97	0.00	16.97	1,280.74	302.54	593.74	570.45	20.93	-1.42	0.038
145.00	-10.06	-1.84	0.00	-13.20	0.00	13.20	1,257.74	297.10	572.60	550.03	21.53	-1.43	0.032
148.00	-1.67	-0.42	0.00	-4.49	0.00	4.49	1,223.23	288.95	541.62	520.09	22.42	-1.44	0.010
148.00	0.00	-0.37	0.00	-4.49	0.00	4.49	1,223.19	288.94	541.59	520.06	22.43	-1.44	0.009

Load Case: 1.0D + 1.0W Serviceability 60 mph 23 Iterations

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

Applied Segment Forces Summary

Seg Elev (ft)	Description	Shaft Forces Wind FX (lb)	Shaft Forces Dead Load (lb)	Discrete Forces Wind FX (lb)	Discrete Forces Torsion MY (lb-ft)	Discrete Forces Moment MZ (lb-ft)	Discrete Forces Dead Load (lb)	Linear Forces Wind FX (lb)	Linear Forces Dead Load (lb)	Sum of Forces Wind FX (lb)	Sum of Forces Dead Load (lb)	Sum of Forces Torsion MY (lb-ft)	Sum of Forces Moment MZ (lb)
0.00		43.9	0.0					0.0	0.0	43.9	0.0	0.0	0.0
5.00		86.9	1,112.1					0.0	620.8	86.9	1,732.9	0.0	0.0
10.00		85.8	1,089.1					0.0	620.8	85.8	1,709.9	0.0	0.0
15.00		85.2	1,066.1					0.0	642.2	85.2	1,708.2	0.0	0.0
20.00		84.4	1,043.0					0.0	642.2	84.4	1,685.2	0.0	0.0
25.00		83.6	1,020.0					0.0	642.2	83.6	1,662.2	0.0	0.0
30.00		83.8	996.9					0.0	642.2	83.8	1,639.1	0.0	0.0
35.00		85.8	973.9					0.0	642.2	85.8	1,616.1	0.0	0.0
40.00		53.9	950.8					0.0	642.2	53.9	1,593.0	0.0	0.0
41.16	Bot - Section 2	45.4	217.9					0.0	149.4	45.4	367.3	0.0	0.0
45.00		52.0	1,330.9					0.0	492.8	52.0	1,823.7	0.0	0.0
46.83	Top - Section 1	46.3	625.9					0.0	235.0	46.3	861.0	0.0	0.0
50.00		76.3	499.8					0.0	407.2	76.3	906.9	0.0	0.0
55.00		94.7	772.2					0.0	642.2	94.7	1,414.4	0.0	0.0
60.00		96.2	752.4					0.0	642.2	96.2	1,394.6	0.0	0.0
65.00		97.6	732.7					0.0	642.2	97.6	1,374.9	0.0	0.0
70.00		98.8	712.9					0.0	642.2	98.8	1,355.1	0.0	0.0
75.00	Appurtenance(s)	99.8	693.2	41.2	0.0	0.0	150.6	0.0	642.2	141.0	1,486.0	0.0	0.0
80.00		66.6	673.4					0.0	640.7	66.6	1,314.1	0.0	0.0
81.62	Bot - Section 3	51.3	214.4					0.0	208.0	51.3	422.4	0.0	0.0
85.00		49.1	813.2					0.0	432.7	49.1	1,245.8	0.0	0.0
86.37	Top - Section 2	51.5	326.0					0.0	176.0	51.5	502.0	0.0	0.0
90.00		89.0	389.9					0.0	464.7	89.0	854.7	0.0	0.0
95.00		103.7	523.4					0.0	640.7	103.7	1,164.1	0.0	0.0
100.00	Appurtenance(s)	104.4	506.9	53.2	0.0	0.0	150.0	0.0	640.7	157.6	1,297.6	0.0	0.0
105.00	Appurtenance(s)	53.7	490.5	24.8	0.0	0.0	26.5	0.0	640.7	78.5	1,157.7	0.0	0.0
105.13	Reinf. Top	52.6	12.1					0.0	16.0	52.6	28.0	0.0	0.0
110.00		104.2	462.0					0.0	297.4	104.2	759.4	0.0	0.0
115.00		106.1	457.5					0.0	273.2	106.1	730.8	0.0	0.0
120.00	Appurtenance(s)	88.4	441.1	635.3	0.0	0.0	2,678.7	0.0	211.5	723.7	3,331.2	0.0	0.0
125.00		36.1	424.6					0.0	191.5	36.1	616.1	0.0	0.0
125.12	Bot - Section 4	27.1	10.3					0.0	4.7	27.1	15.0	0.0	0.0
128.87	Top - Section 3	34.1	558.9					0.0	143.6	34.1	702.5	0.0	0.0
130.00		21.5	74.1					0.0	43.1	21.5	117.3	0.0	0.0
132.00	Appurtenance(s)	20.5	130.0	556.4	0.0	0.0	2,708.6	0.0	76.6	576.9	2,915.1	0.0	0.0
133.00	Appurtenance(s)	20.3	64.2	217.5	0.0	0.0	216.3	0.0	34.6	237.8	315.1	0.0	0.0
135.00		46.4	126.8					0.0	69.3	46.4	196.1	0.0	0.0
140.00		52.2	307.8					0.0	173.2	52.2	481.0	0.0	0.0
143.00	Appurtenance(s)	31.9	178.3	1,001.5	0.0	-616.4	2,783.4	0.0	103.9	1,033.3	3,065.7	0.0	0.0
145.00		31.2	116.3					0.0	44.4	31.2	160.7	0.0	0.0
148.00	Appurtenance(s)	18.6	170.4	1,221.9	0.0	3,407.8	4,275.3	0.0	66.6	1,240.5	4,512.3	0.0	0.0
148.00		0.0	0.2					0.0	0.1	0.0	0.3	0.0	0.0
								Totals:		6,412.55	50,235.4	0.00	0.00

Load Case: 1.0D + 1.0W Serviceability 60 mph 23 Iterations

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

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-50.98	-6.81	0.00	-814.25	0.00	814.25	4,773.35	1,159.07	4,979.55	4,665.14	0.00	0.00	0.134
5.00	-49.24	-6.76	0.00	-780.21	0.00	780.21	4,702.37	1,135.30	4,777.41	4,500.65	0.02	-0.04	0.132
10.00	-47.53	-6.71	0.00	-746.43	0.00	746.43	4,630.27	1,111.53	4,579.46	4,337.98	0.09	-0.09	0.130
15.00	-45.81	-6.65	0.00	-712.89	0.00	712.89	4,557.03	1,087.76	4,385.70	4,177.19	0.21	-0.13	0.127
20.00	-44.12	-6.60	0.00	-679.63	0.00	679.63	4,482.67	1,063.98	4,196.12	4,018.36	0.37	-0.18	0.125
25.00	-42.46	-6.54	0.00	-646.64	0.00	646.64	4,403.56	1,040.21	4,010.74	3,858.37	0.58	-0.22	0.123
30.00	-40.81	-6.48	0.00	-613.92	0.00	613.92	4,302.92	1,016.44	3,829.54	3,683.15	0.83	-0.27	0.121
35.00	-39.19	-6.42	0.00	-581.50	0.00	581.50	4,202.28	992.67	3,652.53	3,512.01	1.13	-0.31	0.119
40.00	-37.60	-6.38	0.00	-549.39	0.00	549.39	4,101.65	968.89	3,479.71	3,344.94	1.48	-0.36	0.117
41.16	-37.23	-6.34	0.00	-541.97	0.00	541.97	4,078.23	963.36	3,440.10	3,306.65	1.57	-0.37	0.116
45.00	-35.40	-6.30	0.00	-517.63	0.00	517.63	4,001.01	945.12	3,311.08	3,181.94	1.88	-0.40	0.113
46.83	-34.54	-6.26	0.00	-506.11	0.00	506.11	3,410.94	819.62	2,904.97	2,749.21	2.04	-0.42	0.123
50.00	-33.63	-6.20	0.00	-486.27	0.00	486.27	3,371.32	806.70	2,814.13	2,674.05	2.33	-0.45	0.121
55.00	-32.21	-6.12	0.00	-455.28	0.00	455.28	3,307.92	786.32	2,673.78	2,556.85	2.83	-0.50	0.117
60.00	-30.81	-6.04	0.00	-424.69	0.00	424.69	3,242.50	765.95	2,537.02	2,440.69	3.38	-0.55	0.113
65.00	-29.43	-5.95	0.00	-394.51	0.00	394.51	3,156.24	745.57	2,403.85	2,311.92	3.98	-0.59	0.109
70.00	-28.07	-5.86	0.00	-364.77	0.00	364.77	3,069.98	725.19	2,274.27	2,186.64	4.62	-0.64	0.105
75.00	-26.58	-5.72	0.00	-335.47	0.00	335.47	2,983.72	704.82	2,148.28	2,064.84	5.32	-0.69	0.101
80.00	-25.27	-5.65	0.00	-306.87	0.00	306.87	2,897.46	684.44	2,025.88	1,946.54	6.07	-0.74	0.096
81.62	-24.84	-5.61	0.00	-297.69	0.00	297.69	2,869.45	677.82	1,986.91	1,908.88	6.32	-0.75	0.095
85.00	-23.60	-5.55	0.00	-278.76	0.00	278.76	2,811.20	664.06	1,907.07	1,831.73	6.86	-0.78	0.090
86.37	-23.09	-5.50	0.00	-271.14	0.00	271.14	2,342.68	560.69	1,631.35	1,549.81	7.09	-0.79	0.098
90.00	-22.23	-5.41	0.00	-251.20	0.00	251.20	2,304.43	548.37	1,560.47	1,490.69	7.70	-0.82	0.093
95.00	-21.07	-5.31	0.00	-224.13	0.00	224.13	2,249.56	531.39	1,465.34	1,409.69	8.59	-0.87	0.086
100.00	-19.77	-5.14	0.00	-197.59	0.00	197.59	2,177.68	514.41	1,373.20	1,320.60	9.53	-0.91	0.079
105.00	-18.61	-5.05	0.00	-171.87	0.00	171.87	2,105.79	497.43	1,284.06	1,234.41	10.50	-0.95	0.072
105.13	-18.58	-5.01	0.00	-171.24	0.00	171.24	2,103.99	497.01	1,281.87	1,232.29	10.53	-0.95	0.072
105.13	-18.58	-5.01	0.00	-171.24	0.00	171.24	2,103.99	497.01	1,281.87	1,232.29	10.53	-0.95	0.148
110.00	-17.82	-4.91	0.00	-146.83	0.00	146.83	2,033.91	480.45	1,197.90	1,151.13	11.52	-0.99	0.136
115.00	-17.09	-4.81	0.00	-122.30	0.00	122.30	1,962.02	463.47	1,114.74	1,070.76	12.60	-1.06	0.123
120.00	-13.76	-4.04	0.00	-98.25	0.00	98.25	1,890.14	446.49	1,034.57	993.30	13.75	-1.13	0.106
125.00	-13.15	-3.99	0.00	-78.07	0.00	78.07	1,818.26	429.51	957.39	918.75	14.96	-1.19	0.092
125.12	-13.13	-3.97	0.00	-77.58	0.00	77.58	1,816.48	429.09	955.52	916.95	14.99	-1.19	0.092
128.87	-12.43	-3.93	0.00	-62.69	0.00	62.69	1,443.09	340.92	753.91	725.23	15.94	-1.23	0.095
130.00	-12.31	-3.91	0.00	-58.26	0.00	58.26	1,430.26	337.86	740.43	712.26	16.23	-1.24	0.091
132.00	-9.41	-3.27	0.00	-50.44	0.00	50.44	1,407.26	332.42	716.81	689.42	16.76	-1.26	0.080
133.00	-9.10	-3.03	0.00	-47.17	0.00	47.17	1,395.75	329.71	705.14	678.14	17.02	-1.27	0.076
135.00	-8.90	-2.98	0.00	-41.12	0.00	41.12	1,372.75	324.27	682.09	655.86	17.56	-1.29	0.069
140.00	-8.42	-2.92	0.00	-26.21	0.00	26.21	1,315.24	310.69	626.15	601.78	18.93	-1.33	0.050
143.00	-5.38	-1.82	0.00	-17.44	0.00	17.44	1,280.74	302.54	593.74	570.45	19.77	-1.35	0.035
145.00	-5.22	-1.78	0.00	-13.80	0.00	13.80	1,257.74	297.10	572.60	550.03	20.34	-1.35	0.029
148.00	-0.74	-0.44	0.00	-5.04	0.00	5.04	1,223.23	288.95	541.62	520.09	21.19	-1.36	0.010
148.00	0.00	-0.42	0.00	-5.04	0.00	5.04	1,223.19	288.94	541.59	520.06	21.19	-1.36	0.010

Equivalent Lateral Forces Method Analysis

Spectral Response Acceleration for Short Period (S_s):	0.26
Spectral Response Acceleration at 1.0 Second Period (S_1):	0.06
Long-Period Transition Period (T_L):	6
Importance Factor (I_E):	1.00
Site Coefficient F_a:	1.59
Site Coeffiecient F_v:	2.40
Response Modification Coefficient (R):	1.50
Design Spectral Response Acceleration at Short Period (S_{ds}):	0.28
Design Spectral Response Acceleration at 1.0 Second Period (S_{d1}):	0.09
Seismic Response Coefficient (C_s):	0.03
Upper Limit C_s	0.03
Lower Limit C_s	0.03
Period based on Rayleigh Method (sec):	2.55
Redundancy Factor (p):	1.00
Seismic Force Distribution Exponent (k):	2.00
Total Unfactored Dead Load:	50.98 k
Seismic Base Shear (E):	1.53 k

Load Case 1.2D + 1.0Ev + 1.0Eh Seismic

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
41	148.00	0	6	0.000	0	0
40	146.50	237	5,088	0.011	17	298
39	144.00	161	3,332	0.007	11	202
38	141.50	282	5,652	0.013	19	354
37	137.50	481	9,094	0.020	31	604
36	134.00	196	3,521	0.008	12	246
35	132.50	99	1,735	0.004	6	124
34	131.00	207	3,544	0.008	12	259
33	129.44	117	1,965	0.004	7	147
32	127.00	703	11,331	0.025	39	882
31	125.06	15	234	0.001	1	19
30	122.50	616	9,245	0.021	32	773
29	117.50	653	9,009	0.020	31	819
28	112.50	731	9,249	0.021	32	917
27	107.56	759	8,786	0.020	30	953
26	105.06	28	309	0.001	1	35
25	102.50	1,131	11,884	0.027	41	1,420
24	97.50	1,148	10,910	0.024	37	1,440
23	92.50	1,164	9,960	0.022	34	1,461
22	88.19	855	6,647	0.015	23	1,073
21	85.69	502	3,686	0.008	13	630
20	83.31	1,246	8,647	0.019	30	1,564
19	80.81	422	2,758	0.006	9	530
18	77.50	1,314	7,893	0.018	27	1,649
17	72.50	1,335	7,019	0.016	24	1,676

16	67.50	1,355	6,174	0.014	21	1,701
15	62.50	1,375	5,371	0.012	18	1,726
14	57.50	1,395	4,611	0.010	16	1,751
13	52.50	1,414	3,898	0.009	13	1,775
12	48.42	907	2,126	0.005	7	1,138
11	45.92	861	1,815	0.004	6	1,081
10	43.08	1,824	3,385	0.008	12	2,289
9	40.58	367	605	0.001	2	461
8	37.50	1,593	2,240	0.005	8	2,000
7	32.50	1,616	1,707	0.004	6	2,028
6	27.50	1,639	1,240	0.003	4	2,057
5	22.50	1,662	841	0.002	3	2,086
4	17.50	1,685	516	0.001	2	2,115
3	12.50	1,708	267	0.001	1	2,144
2	7.50	1,710	96	0.000	0	2,146
1	2.50	1,733	11	0.000	0	2,175
Ericsson Radio 4449	148.00	225	4,929	0.011	17	282
Ericsson RRUS 4415 B	148.00	138	3,023	0.007	10	173
RFS APXVAARR24_43-U-	148.00	384	8,405	0.019	29	482
Kaelus DBC0061F1V51-	148.00	153	3,351	0.008	12	192
Powerwave Allgon LGP	148.00	85	1,853	0.004	6	106
Raycap DC6-48-60-18-	148.00	20	438	0.001	2	25
Raycap DC6-48-60-18-	148.00	20	438	0.001	2	25
Raycap DC6-48-60-0-8	148.00	33	718	0.002	2	41
Ericsson RRUS 4478 B	148.00	180	3,936	0.009	14	226
Ericsson RRUS 11 (Ba	148.00	165	3,614	0.008	12	207
Ericsson RRUS 32 (50	148.00	152	3,338	0.007	11	191
Ericsson RRUS 32 B66	148.00	159	3,483	0.008	12	200
Ericsson RRUS 32 B2	148.00	159	3,483	0.008	12	200
Powerwave Allgon 777	148.00	105	2,300	0.005	8	132
Pipe Mount	148.00	200	4,381	0.010	15	251
Quintel QS66512-2	148.00	333	7,294	0.016	25	418
CCI OPA-65R-LCUU-H6	148.00	219	4,797	0.011	16	275
Kathrein Scala 80010	148.00	293	6,413	0.014	22	368
Flat Platform w/ Han	148.00	2,000	43,808	0.098	150	2,510
RFS FD9R6004	143.00	19	380	0.001	1	23
Alcatel-Lucent RRH2X	143.00	172	3,517	0.008	12	216
Alcatel-Lucent RRH2x	143.00	227	4,638	0.010	16	285
Alcatel-Lucent RRH4x	143.00	253	5,178	0.012	18	318
RFS DB-T1-6Z-8AB-0Z	143.00	88	1,800	0.004	6	110
Amphenol Antel BXA-8	143.00	19	393	0.001	1	24
Antel BXA-70063/6CF	143.00	34	695	0.002	2	43
Antel BXA-80080/6CF	143.00	22	450	0.001	2	28
Commscope SBNHH-1D65	143.00	203	4,147	0.009	14	255
Commscope SBNHH-1D45	143.00	247	5,047	0.011	17	310
Flat Low Profile Pla	143.00	1,500	30,674	0.069	105	1,883
KMW KMDAPS2040000 (E	133.00	48	844	0.002	3	60
KMW AM-X-WM-17-65-00	133.00	43	754	0.002	3	53
Decibel DB844H90E-XY	133.00	126	2,229	0.005	8	158
Ericsson Air6449 B41	132.00	312	5,436	0.012	19	392
Ericsson AIR-32 B2A/	132.00	397	6,910	0.016	24	498
Flat Platform w/ Han	132.00	2,000	34,848	0.078	120	2,510
Alcatel-Lucent RRH2x	120.00	159	2,285	0.005	8	199
Alcatel-Lucent 800 M	120.00	192	2,765	0.006	9	241
Alcatel-Lucent 4x40W	120.00	273	3,931	0.009	13	343
Alcatel-Lucent TD-RR	120.00	210	3,024	0.007	10	264
RFS APXVSPP18-C-A20	120.00	171	2,462	0.006	8	215
Commscope DT465B-2XR	120.00	174	2,506	0.006	9	218
Flat Low Profile Pla	120.00	1,500	21,600	0.048	74	1,883
Antel BCD-87010 ___	105.00	26	292	0.001	1	33
Flat Side Arm	100.00	150	1,500	0.003	5	188
PCTEL GPS-TMG-HR-26N	75.00	1	3	0.000	0	1
Round Side Arm	75.00	150	844	0.002	3	188

		50,982	445,559	1.000	1,529	63,992

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

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
41	148.00	0	6	0.000	0	0
40	146.50	237	5,088	0.011	17	200
39	144.00	161	3,332	0.007	11	136
38	141.50	282	5,652	0.013	19	238
37	137.50	481	9,094	0.020	31	406
36	134.00	196	3,521	0.008	12	166
35	132.50	99	1,735	0.004	6	83
34	131.00	207	3,544	0.008	12	174
33	129.44	117	1,965	0.004	7	99
32	127.00	703	11,331	0.025	39	594
31	125.06	15	234	0.001	1	13
30	122.50	616	9,245	0.021	32	520
29	117.50	653	9,009	0.020	31	551
28	112.50	731	9,249	0.021	32	617
27	107.56	759	8,786	0.020	30	642
26	105.06	28	309	0.001	1	24
25	102.50	1,131	11,884	0.027	41	956
24	97.50	1,148	10,910	0.024	37	970
23	92.50	1,164	9,960	0.022	34	983
22	88.19	855	6,647	0.015	23	722
21	85.69	502	3,686	0.008	13	424
20	83.31	1,246	8,647	0.019	30	1,053
19	80.81	422	2,758	0.006	9	357
18	77.50	1,314	7,893	0.018	27	1,110
17	72.50	1,335	7,019	0.016	24	1,128
16	67.50	1,355	6,174	0.014	21	1,145
15	62.50	1,375	5,371	0.012	18	1,162
14	57.50	1,395	4,611	0.010	16	1,178
13	52.50	1,414	3,898	0.009	13	1,195
12	48.42	907	2,126	0.005	7	766
11	45.92	861	1,815	0.004	6	727
10	43.08	1,824	3,385	0.008	12	1,541
9	40.58	367	605	0.001	2	310
8	37.50	1,593	2,240	0.005	8	1,346
7	32.50	1,616	1,707	0.004	6	1,365
6	27.50	1,639	1,240	0.003	4	1,385
5	22.50	1,662	841	0.002	3	1,404
4	17.50	1,685	516	0.001	2	1,424
3	12.50	1,708	267	0.001	1	1,443
2	7.50	1,710	96	0.000	0	1,445
1	2.50	1,733	11	0.000	0	1,464
Ericsson Radio 4449	148.00	225	4,929	0.011	17	190
Ericsson RRUS 4415 B	148.00	138	3,023	0.007	10	117
RFS APXVAARR24_43-U-	148.00	384	8,405	0.019	29	324
Kaelus DBC0061F1V51-	148.00	153	3,351	0.008	12	129
Powerwave Allgon LGP	148.00	85	1,853	0.004	6	71
Raycap DC6-48-60-18-	148.00	20	438	0.001	2	17
Raycap DC6-48-60-18-	148.00	20	438	0.001	2	17
Raycap DC6-48-60-0-8	148.00	33	718	0.002	2	28
Ericsson RRUS 4478 B	148.00	180	3,936	0.009	14	152
Ericsson RRUS 11 (Ba	148.00	165	3,614	0.008	12	139
Ericsson RRUS 32 (50	148.00	152	3,338	0.007	11	129
Ericsson RRUS 32 B66	148.00	159	3,483	0.008	12	134
Ericsson RRUS 32 B2	148.00	159	3,483	0.008	12	134
Powerwave Allgon 777	148.00	105	2,300	0.005	8	89

Pipe Mount	148.00	200	4,381	0.010	15	169
Quintel QS66512-2	148.00	333	7,294	0.016	25	281
CCI OPA-65R-LCUU-H6	148.00	219	4,797	0.011	16	185
Kathrein Scala 80010	148.00	293	6,413	0.014	22	247
Flat Platform w/ Han	148.00	2,000	43,808	0.098	150	1,690
RFS FD9R6004	143.00	19	380	0.001	1	16
Alcatel-Lucent RRH2X	143.00	172	3,517	0.008	12	145
Alcatel-Lucent RRH2x	143.00	227	4,638	0.010	16	192
Alcatel-Lucent RRH4x	143.00	253	5,178	0.012	18	214
RFS DB-T1-6Z-8AB-0Z	143.00	88	1,800	0.004	6	74
Amphenol Antel BXA-8	143.00	19	393	0.001	1	16
Antel BXA-70063/6CF	143.00	34	695	0.002	2	29
Antel BXA-80080/6CF	143.00	22	450	0.001	2	19
Commscope SBNHH-1D65	143.00	203	4,147	0.009	14	171
Commscope SBNHH-1D45	143.00	247	5,047	0.011	17	208
Flat Low Profile Pla	143.00	1,500	30,674	0.069	105	1,267
KMW KMDAPS2040000 (E	133.00	48	844	0.002	3	40
KMW AM-X-WM-17-65-00	133.00	43	754	0.002	3	36
Decibel DB844H90E-XY	133.00	126	2,229	0.005	8	106
Ericsson Air6449 B41	132.00	312	5,436	0.012	19	264
Ericsson AIR-32 B2A/	132.00	397	6,910	0.016	24	335
Flat Platform w/ Han	132.00	2,000	34,848	0.078	120	1,690
Alcatel-Lucent RRH2x	120.00	159	2,285	0.005	8	134
Alcatel-Lucent 800 M	120.00	192	2,765	0.006	9	162
Alcatel-Lucent 4x40W	120.00	273	3,931	0.009	13	231
Alcatel-Lucent TD-RR	120.00	210	3,024	0.007	10	177
RFS APXVSPP18-C-A20	120.00	171	2,462	0.006	8	144
Commscope DT465B-2XR	120.00	174	2,506	0.006	9	147
Flat Low Profile Pla	120.00	1,500	21,600	0.048	74	1,267
Antel BCD-87010 ___	105.00	26	292	0.001	1	22
Flat Side Arm	100.00	150	1,500	0.003	5	127
PCTEL GPS-TMG-HR-26N	75.00	1	3	0.000	0	1
Round Side Arm	75.00	150	844	0.002	3	127
		50,982	445,559	1.000	1,529	43,070

Load Case 1.2D + 1.0Ev + 1.0Eh Seismic

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-61.82	-1.53	0.00	-195.64	0.00	195.64	4,773.35	1,159.07	4,979.55	4,665.14	0.00	0.00	0.040
5.00	-59.67	-1.54	0.00	-187.97	0.00	187.97	4,702.37	1,135.30	4,777.41	4,500.65	0.01	-0.01	0.040
10.00	-57.53	-1.55	0.00	-180.24	0.00	180.24	4,630.27	1,111.53	4,579.46	4,337.98	0.02	-0.02	0.039
15.00	-55.41	-1.56	0.00	-172.47	0.00	172.47	4,557.03	1,087.76	4,385.70	4,177.19	0.05	-0.03	0.038
20.00	-53.32	-1.57	0.00	-164.66	0.00	164.66	4,482.67	1,063.98	4,196.12	4,018.36	0.09	-0.04	0.037
25.00	-51.27	-1.57	0.00	-156.83	0.00	156.83	4,403.56	1,040.21	4,010.74	3,858.37	0.14	-0.05	0.037
30.00	-49.24	-1.57	0.00	-148.97	0.00	148.97	4,302.92	1,016.44	3,829.54	3,683.15	0.20	-0.06	0.036
35.00	-47.24	-1.57	0.00	-141.10	0.00	141.10	4,202.28	992.67	3,652.53	3,512.01	0.27	-0.08	0.036
40.00	-46.78	-1.57	0.00	-133.24	0.00	133.24	4,101.65	968.89	3,479.71	3,344.94	0.36	-0.09	0.035
41.16	-44.49	-1.56	0.00	-131.41	0.00	131.41	4,078.23	963.36	3,440.10	3,306.65	0.38	-0.09	0.035
45.00	-43.41	-1.56	0.00	-125.41	0.00	125.41	4,001.01	945.12	3,311.08	3,181.94	0.46	-0.10	0.034
46.83	-42.27	-1.56	0.00	-122.56	0.00	122.56	3,410.94	819.62	2,904.97	2,749.21	0.49	-0.10	0.037
50.00	-40.49	-1.55	0.00	-117.62	0.00	117.62	3,371.32	806.70	2,814.13	2,674.05	0.56	-0.11	0.036
55.00	-38.74	-1.53	0.00	-109.90	0.00	109.90	3,307.92	786.32	2,673.78	2,556.85	0.68	-0.12	0.035
60.00	-37.02	-1.52	0.00	-102.22	0.00	102.22	3,242.50	765.95	2,537.02	2,440.69	0.82	-0.13	0.033
65.00	-35.31	-1.50	0.00	-94.63	0.00	94.63	3,156.24	745.57	2,403.85	2,311.92	0.96	-0.14	0.032
70.00	-33.64	-1.48	0.00	-87.12	0.00	87.12	3,069.98	725.19	2,274.27	2,186.64	1.12	-0.16	0.031
75.00	-31.80	-1.45	0.00	-79.72	0.00	79.72	2,983.72	704.82	2,148.28	2,064.84	1.29	-0.17	0.030
80.00	-31.27	-1.44	0.00	-72.47	0.00	72.47	2,897.46	684.44	2,025.88	1,946.54	1.47	-0.18	0.029
81.62	-29.70	-1.41	0.00	-70.13	0.00	70.13	2,869.45	677.82	1,986.91	1,908.88	1.53	-0.18	0.028
85.00	-29.07	-1.40	0.00	-65.36	0.00	65.36	2,811.20	664.06	1,907.07	1,831.73	1.66	-0.19	0.027
86.37	-28.00	-1.38	0.00	-63.44	0.00	63.44	2,342.68	560.69	1,631.35	1,549.81	1.71	-0.19	0.029
90.00	-26.54	-1.34	0.00	-58.45	0.00	58.45	2,304.43	548.37	1,560.47	1,490.69	1.86	-0.20	0.027
95.00	-25.10	-1.30	0.00	-51.75	0.00	51.75	2,249.56	531.39	1,465.34	1,409.69	2.07	-0.21	0.025
100.00	-23.49	-1.25	0.00	-45.23	0.00	45.23	2,177.68	514.41	1,373.20	1,320.60	2.30	-0.22	0.023
105.00	-23.42	-1.25	0.00	-38.96	0.00	38.96	2,105.79	497.43	1,284.06	1,234.41	2.53	-0.23	0.022
105.13	-22.47	-1.22	0.00	-38.80	0.00	38.80	2,103.99	497.01	1,281.87	1,232.29	2.54	-0.23	0.021
105.13	-22.47	-1.22	0.00	-38.80	0.00	38.80	2,103.99	497.01	1,281.87	1,232.29	2.54	-0.23	0.042
110.00	-21.55	-1.19	0.00	-32.85	0.00	32.85	2,033.91	480.45	1,197.90	1,151.13	2.77	-0.24	0.039
115.00	-20.73	-1.16	0.00	-26.89	0.00	26.89	1,962.02	463.47	1,114.74	1,070.76	3.03	-0.25	0.036
120.00	-16.60	-0.98	0.00	-21.08	0.00	21.08	1,890.14	446.49	1,034.57	993.30	3.30	-0.27	0.030
125.00	-16.58	-0.98	0.00	-16.17	0.00	16.17	1,818.26	429.51	957.39	918.75	3.59	-0.28	0.027
125.12	-15.70	-0.94	0.00	-16.05	0.00	16.05	1,816.48	429.09	955.52	916.95	3.60	-0.28	0.026
128.87	-15.55	-0.94	0.00	-12.51	0.00	12.51	1,443.09	340.92	753.91	725.23	3.82	-0.29	0.028
130.00	-15.29	-0.92	0.00	-11.46	0.00	11.46	1,430.26	337.86	740.43	712.26	3.89	-0.29	0.027
132.00	-11.77	-0.74	0.00	-9.61	0.00	9.61	1,407.26	332.42	716.81	689.42	4.01	-0.29	0.022
133.00	-11.25	-0.71	0.00	-8.88	0.00	8.88	1,395.75	329.71	705.14	678.14	4.07	-0.30	0.021
135.00	-10.65	-0.68	0.00	-7.45	0.00	7.45	1,372.75	324.27	682.09	655.86	4.20	-0.30	0.019
140.00	-10.29	-0.66	0.00	-4.07	0.00	4.07	1,315.24	310.69	626.15	601.78	4.51	-0.31	0.015
143.00	-6.60	-0.43	0.00	-2.10	0.00	2.10	1,280.74	302.54	593.74	570.45	4.71	-0.31	0.009
145.00	-6.30	-0.41	0.00	-1.23	0.00	1.23	1,257.74	297.10	572.60	550.03	4.84	-0.31	0.007
148.00	0.00	0.00	0.00	0.00	0.00	0.00	1,223.23	288.95	541.62	520.09	5.03	-0.31	0.000
148.00	0.00	0.00	0.00	0.00	0.00	0.00	1,223.19	288.94	541.59	520.06	5.03	-0.31	0.000

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

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-41.61	-1.53	0.00	-191.94	0.00	191.94	4,773.35	1,159.07	4,979.55	4,665.14	0.00	0.00	0.036
5.00	-40.16	-1.54	0.00	-184.28	0.00	184.28	4,702.37	1,135.30	4,777.41	4,500.65	0.01	-0.01	0.036
10.00	-38.72	-1.54	0.00	-176.59	0.00	176.59	4,630.27	1,111.53	4,579.46	4,337.98	0.02	-0.02	0.035
15.00	-37.29	-1.55	0.00	-168.87	0.00	168.87	4,557.03	1,087.76	4,385.70	4,177.19	0.05	-0.03	0.035
20.00	-35.89	-1.55	0.00	-161.13	0.00	161.13	4,482.67	1,063.98	4,196.12	4,018.36	0.09	-0.04	0.034
25.00	-34.50	-1.55	0.00	-153.37	0.00	153.37	4,403.56	1,040.21	4,010.74	3,858.37	0.14	-0.05	0.033
30.00	-33.14	-1.55	0.00	-145.61	0.00	145.61	4,302.92	1,016.44	3,829.54	3,683.15	0.20	-0.06	0.033
35.00	-31.79	-1.55	0.00	-137.85	0.00	137.85	4,202.28	992.67	3,652.53	3,512.01	0.27	-0.07	0.032
40.00	-31.48	-1.55	0.00	-130.11	0.00	130.11	4,101.65	968.89	3,479.71	3,344.94	0.35	-0.08	0.032
41.16	-29.94	-1.54	0.00	-128.31	0.00	128.31	4,078.23	963.36	3,440.10	3,306.65	0.37	-0.09	0.031
45.00	-29.21	-1.53	0.00	-122.40	0.00	122.40	4,001.01	945.12	3,311.08	3,181.94	0.45	-0.10	0.031
46.83	-28.45	-1.53	0.00	-119.60	0.00	119.60	3,410.94	819.62	2,904.97	2,749.21	0.48	-0.10	0.033
50.00	-27.25	-1.52	0.00	-114.75	0.00	114.75	3,371.32	806.70	2,814.13	2,674.05	0.55	-0.11	0.033
55.00	-26.07	-1.50	0.00	-107.17	0.00	107.17	3,307.92	786.32	2,673.78	2,556.85	0.67	-0.12	0.031
60.00	-24.91	-1.49	0.00	-99.65	0.00	99.65	3,242.50	765.95	2,537.02	2,440.69	0.80	-0.13	0.030
65.00	-23.77	-1.47	0.00	-92.21	0.00	92.21	3,156.24	745.57	2,403.85	2,311.92	0.94	-0.14	0.029
70.00	-22.64	-1.45	0.00	-84.86	0.00	84.86	3,069.98	725.19	2,274.27	2,186.64	1.09	-0.15	0.028
75.00	-21.40	-1.42	0.00	-77.63	0.00	77.63	2,983.72	704.82	2,148.28	2,064.84	1.26	-0.16	0.027
80.00	-21.04	-1.41	0.00	-70.55	0.00	70.55	2,897.46	684.44	2,025.88	1,946.54	1.43	-0.17	0.026
81.62	-19.99	-1.38	0.00	-68.26	0.00	68.26	2,869.45	677.82	1,986.91	1,908.88	1.49	-0.18	0.025
85.00	-19.57	-1.37	0.00	-63.61	0.00	63.61	2,811.20	664.06	1,907.07	1,831.73	1.62	-0.18	0.024
86.37	-18.85	-1.34	0.00	-61.73	0.00	61.73	2,342.68	560.69	1,631.35	1,549.81	1.67	-0.19	0.026
90.00	-17.86	-1.31	0.00	-56.86	0.00	56.86	2,304.43	548.37	1,560.47	1,490.69	1.82	-0.19	0.024
95.00	-16.89	-1.27	0.00	-50.33	0.00	50.33	2,249.56	531.39	1,465.34	1,409.69	2.03	-0.20	0.023
100.00	-15.81	-1.22	0.00	-43.98	0.00	43.98	2,177.68	514.41	1,373.20	1,320.60	2.25	-0.21	0.021
105.00	-15.76	-1.22	0.00	-37.87	0.00	37.87	2,105.79	497.43	1,284.06	1,234.41	2.47	-0.22	0.019
105.13	-15.12	-1.19	0.00	-37.72	0.00	37.72	2,103.99	497.01	1,281.87	1,232.29	2.48	-0.22	0.019
105.13	-15.12	-1.19	0.00	-37.72	0.00	37.72	2,103.99	497.01	1,281.87	1,232.29	2.48	-0.22	0.038
110.00	-14.50	-1.16	0.00	-31.92	0.00	31.92	2,033.91	480.45	1,197.90	1,151.13	2.71	-0.23	0.035
115.00	-13.95	-1.13	0.00	-26.12	0.00	26.12	1,962.02	463.47	1,114.74	1,070.76	2.96	-0.25	0.032
120.00	-11.17	-0.96	0.00	-20.48	0.00	20.48	1,890.14	446.49	1,034.57	993.30	3.23	-0.26	0.027
125.00	-11.16	-0.96	0.00	-15.70	0.00	15.70	1,818.26	429.51	957.39	918.75	3.50	-0.27	0.023
125.12	-10.56	-0.91	0.00	-15.58	0.00	15.58	1,816.48	429.09	955.52	916.95	3.51	-0.27	0.023
128.87	-10.47	-0.91	0.00	-12.15	0.00	12.15	1,443.09	340.92	753.91	725.23	3.73	-0.28	0.024
130.00	-10.29	-0.90	0.00	-11.13	0.00	11.13	1,430.26	337.86	740.43	712.26	3.80	-0.28	0.023
132.00	-7.92	-0.72	0.00	-9.34	0.00	9.34	1,407.26	332.42	716.81	689.42	3.91	-0.29	0.019
133.00	-7.57	-0.69	0.00	-8.62	0.00	8.62	1,395.75	329.71	705.14	678.14	3.98	-0.29	0.018
135.00	-7.17	-0.66	0.00	-7.24	0.00	7.24	1,372.75	324.27	682.09	655.86	4.10	-0.29	0.016
140.00	-6.93	-0.64	0.00	-3.95	0.00	3.95	1,315.24	310.69	626.15	601.78	4.41	-0.30	0.012
143.00	-4.44	-0.42	0.00	-2.04	0.00	2.04	1,280.74	302.54	593.74	570.45	4.59	-0.30	0.007
145.00	-4.24	-0.40	0.00	-1.20	0.00	1.20	1,257.74	297.10	572.60	550.03	4.72	-0.30	0.006
148.00	0.00	0.00	0.00	0.00	0.00	0.00	1,223.23	288.95	541.62	520.09	4.91	-0.30	0.000
148.00	0.00	0.00	0.00	0.00	0.00	0.00	1,223.19	288.94	541.59	520.06	4.91	-0.30	0.000

Analysis Summary

	Reactions						Max Usage	
Load Case	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)	Elev (ft)	Interaction Ratio
1.2D + 1.0W	28.46	0.00	61.13	0.00	0.00	3429.82	105.13	0.60
0.9D + 1.0W	28.43	0.00	45.84	0.00	0.00	3381.60	105.13	0.58
1.2D + 1.0Di + 1.0Wi	7.21	0.00	80.54	0.00	0.00	862.58	105.13	0.16
1.2D + 1.0Ev + 1.0Eh	1.53	0.00	61.82	0.00	0.00	195.64	105.13	0.04
0.9D - 1.0Ev + 1.0Eh	1.53	0.00	41.61	0.00	0.00	191.94	105.13	0.04
1.0D + 1.0W	6.81	0.00	50.98	0.00	0.00	814.25	105.13	0.15

Additional Steel Summary

Elev From (ft)	Elev To (ft)	Member	Intermediate Connectors VQ/I (lb/in)	Shear Applied (kips)	Shear phiVn (kips)	Ratio	Max Member Pu (kip)	phiPn (kip)	Ratio
0.00	105.13	(4) SOL-#20 All Thread Bar	308.6	9.3	16.8	0.551	214.5	330.5	0.649

Elev From (ft)	Elev To (ft)	Member	Upper Termination Connectors MQ/I (kips)	phiVn (kips)	Num Reqd	Num Actual	Ratio	Lower Termination Connectors MQ/I (kips)	phiVn (kips)	Num Reqd	Num Actual	Ratio
0.00	105.13	(4) SOL-#20 All Thread Bar	125.6	12.0	11	24	0.436	0.0	12.0	0	0	0.000

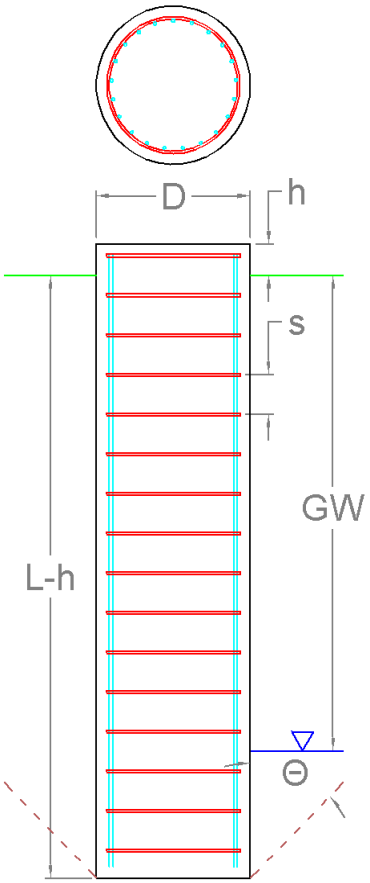
Pier Foundation Analysis (ANSI/TIA-222-H)

Foundation Analysis Parameters			
Pier Diameter	*D*	6.50	ft
Pier Embedment	*L-h*	24.0	ft
Pier Height above Ground	*H*	1.00	ft
Water Table Depth [BGL]	*GW*	22	ft
Pullout Angle	Θ	30	°
Unit Weight of Concrete		150	pcf
Uplift Skin Friction Factor		0.850	

Reactions		
Moment, M_u	3,429.8	k-ft
Shear, V_u	28.5	k
Axial, P_u	61.1	k
Uplift, T_u	0.0	k

Soil Properties

Layer Depth (ft)		Unit Weight	Cohesion	Friction Angle	Ultimate Skin Friction	Ultimate Bearing Pressure
TOP	BTM	pcf	psf	°	psf	psf
0.0	2.0	112	0	0	0	0
2.0	5.0	110	0	30	0	0
5.0	10.0	105	0	28	205	0
10.0	15.0	119	0	32	1,347	0
15.0	22.0	127	0	37	1,839	0
22.0	27.0	134	4,591	0	2,160	21,874



Soil Strength Capacities

Volume of Concrete	829.6	ft^3
Weight of Concrete [Buoyancy Considered]	120.3	k
Average Soil Unit Weight	112.8	pcf
Skin Friction Resistance	509.6	k
Compressive Bearing Resistance	725.8	k
Pullout Weight [Minus Concrete Weight]	927.0	k
Compressive Force, P_u	91.8	k
Nominal Compressive Capacity, $\phi_s P_n$	926.6	k
$P_u / \phi_s P_n$	**9.9%**	
Total Lateral Resistance	2,110.6	k
Inflection Point [BGL]	18.4	ft
Moment at Inflection Point, M_D	3,982.2	k-ft
Nominal Moment Capacity, $\phi_s M_n$	6,813.8	k-ft
$M_D / \phi_s M_n$	**58.4%**	

Pier Strength Capacities			
Concrete Compressive Strength, f'_c		4,000	psi
Rebar Size #		11	
Rebar Area (Single)		1.56	in^2
Rebar Quantity		21	
Rebar Yield Strength, F_y		60	ksi
Vertical Rebar Clear Cover		4	in
Tie Rebar Size #		5	
Tie Rebar Area (Single)		0.31	in^2
Tie Rebar Spacing	*s*	12.0	in
Tie Rebar Yield Strength, F_y		60	ksi
Rebar Cage Diameter		67.34	in
Strength Bending/Tension Reduction Factor, ϕ_B		0.90	
Strength Shear Reduction Factor, ϕ_V		0.75	
Strength Compression Reduction Factor, ϕ_C		0.65	
Steel Elastic Modulus		29,000	ksi
Design Moment, M_u		3,463.5	k-ft
Moment Capacity, $\phi_B M_n$		4,397.8	k-ft
$M_u / \phi_B M_n$		**78.8%**	
Design Shear, V_u		398.4	k
Shear Capacity, $\phi_V V_n$		601.3	k
$V_u / \phi_V V_n$		**66.3%**	
Design Compression, P_u		91.8	k
Compression Capacity, $\phi_P P_n$		9,412.3	k
$P_u / \phi_P P_n$		**1.0%**	
Bending Reinforcement Ratio		0.007	

Base Plate & Anchor Rod Analysis

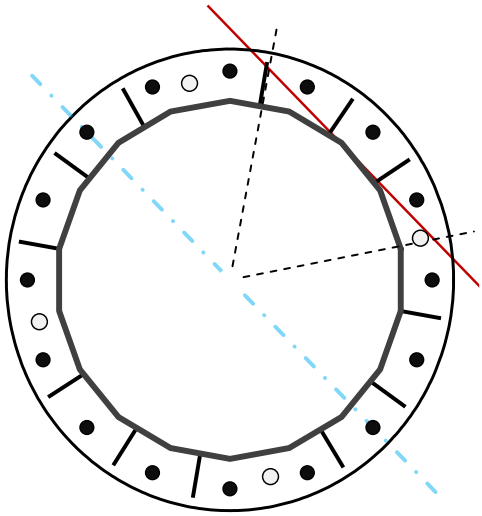
Pole Dimensions		
Number of Sides	18	-
Diameter	48	in
Thickness	7/16	in
Orientation Offset	10	°

Base Reactions		
Moment, Mu	3,429.8	k-ft
Axial, Pu	61.1	k
Shear, Vu	28.5	k
Neutral Axis	315	°

Report Capacities		
Component	Capacity	Result
Base Plate	28%	Pass
Anchor Rods	57%	Pass
Dwyidag	50%	Pass

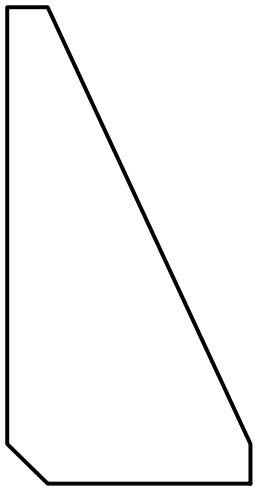
Base Plate		
Shape	Round	-
Diameter, ø	63	in
Thickness	2	in
Grade	A871-60	
Yield Strength, Fy	60	ksi
Tensile Strength, Fu	75	ksi
Clip	N/A	in
Orientation Offset	0	°
Anchor Rod Detail	c	η=0.55
Clear Distance	N/A	in
Applied Moment, Mu	742.0	k
Bending Stress, ϕMn	2605.9	k

Dywidag Reinforcement		
Quantity	4	-
Bar Size	#20	in
Diameter, ø	2.5	in
Bracket Type	Angle	-
Circle	54.88	in
Orientation Offset	12	°
Applied Force, Pu	184.6	k
Dywidag Bar, ϕPn	368.2	k



Original Anchor Rods		
Arrangement	Radial	-
Quantity	16	-
Diameter, ø	2 1/4	in
Bolt Circle	57	in
Grade	A615-75	
Yield Strength, Fy	75	ksi
Tensile Strength, Fu	100	ksi
Spacing	11.2	in
Orientation Offset		°
Applied Force, Pu	137.0	k
Anchor Rods, ϕPn	243.6	k

Stiffeners		
Arrangement	Radial	-
Quantity	12	-
Height	12	in
Width	6	in
Effective Width	6.000	in
Thickness	3/4	in
Effective Thickness	0.750	in
Notch	1	in
Flat Edge	1	in
Grade	A36	-
Yield Strength, Fy	36	ksi
Tensile Strength, Fu	58	ksi
Horizontal Weld	Fillet	
Horizontal Fillet Size	3/8	in
Bevel Depth		in
Vertical Weld	Fillet	
Vertical Fillet Size	3/8	in
Weld Strength	70	ksi
Electrode Coefficient	1	-
Orientation Offset		°
Vertical Weld, ϕRn	198.2	k
Horz. Weld, ϕRn	106.4	k
Ten. Capacity, ϕTn	121.5	k
Comp. Capacity, ϕPn	766.0	k



Calculations for Monopole Base Plate & Anchor Rod Analysis

Reaction Distribution

Reaction	Shear Vu	Moment Mu	Factor
-	k	k-ft	-
Base Forces	28.5	2445.9	0.71
Anchor Rod Forces	28.5	2445.9	0.71
Additional Bolt (Grp1) Forces	0.0	0.0	0.00
Additional Bolt (Grp2) Forces	0.0	0.0	0.00
Dywidag Forces	0.0	983.9	0.29
Stiffener Forces	12.7	1093.4	0.32

Geometric Properties

Section	Gross Area	Net Area	Individual Inertia	Threads per Inch	Moment of Inertia
-	in^2	in^2	in^4	#	in^4
Pole	65.0407	3.6134	0.2316		18395.99
Bolt	3.9761	3.2477	0.8393	4.5	19394.93
Bolt1	0.0000	0.0000	0.0000	0	0.00
Bolt2	0.0000	0.0000	0.0000	0	0.00
Dywidag	4.9087	4.9087	1.9175		7399.77
Stiffener	3.7500	3.3750	54.0000		14870.67

Base Plate		
Shape	Round	-
Diameter, D	63	in
Thickness, t	2	in
Yield Strength, Fy	60	ksi
Tensile Strength, Fu	75	ksi
Base Plate Chord	40.804	in
Detail Type	c	-
Detail Factor	0.55	-
Clear Distance	N/A	-

External Base Plate		
Chord Length AA	34.989	in
Additional AA	13.269	in
Section Modulus, Z	48.258	in^3
Applied Moment, Mu	742.0	k-ft
Bending Capacity, ϕMn	2605.9	k-ft
Capacity, Mu/ϕMn	0.285	OK
Chord Length AB	33.944	in
Additional AB	12.086	in
Section Modulus, Z	46.030	in^3
Applied Moment, Mu	597.0	k-ft
Bending Capacity, ϕMn	2485.6	k-ft
Capacity, Mu/ϕMn	0.240	OK
Bend Line Length	35.326	in
Additional Bend Line	66.371	in
Section Modulus, Z	101.697	in^3
Applied Moment, Mu	742.0	k-ft
Bending Capacity, ϕMn	5491.6	k-ft
Capacity, Mu/ϕMn	0.135	OK

Internal Base Plate		
Arc Length	0.000	in
Section Modulus, Z	0.000	in^3
Moment Arm	0.000	in
Applied Moment, Mu	0.0	k-ft
Bending Capacity, ϕMn	0.0	k-ft
Capacity, Mu/ϕMn		

Anchor Rods		
Anchor Rod Quantity, N	16	-
Rod Diameter, d	2.25	in
Bolt Circle, BC	57	in
Yield Strength, Fy	75	ksi
Tensile Strength, Fu	100	ksi
Applied Axial, Pu	137.0	k
Applied Shear, Vu	0.8	k
Compressive Capacity, ϕPn	243.6	k
Tensile Capacity, ϕRnt	0.562	OK
Interaction Capacity	0.569	OK

Dywidag Reinforcement		
Dywidag Quantity, N	4	-
Dywidag Diameter, d	2.5	in
Bolt Circle, BC	54.88	in
Yield Strength, Fy	80	ksi
Tensile Strength, Fu	100	ksi
Applied Axial, Pu	184.6	k
Compressive Capacity, ϕPn	368.2	k
Capacity, Pu/ϕPn	0.501	OK

Base Plate Stiffeners		
Applied Axial Force, Pu	80.8	k
Applied Horizontal Force, Vu	0.53	k

Vertical Weld		
Vert.-to-Stiffener a=e_x/l	0.167	-
Spacing Ratio, k	0.063	-
Weld Coefficient, C	3.670	-
Compressive Capacity, ϕPn	198.2	k
Vert.-to-Plate a=e_x/l	0.333	-
Spacing Ratio, k	0.063	-
Weld Coefficient, C	2.940	-
Shear Capacity, ϕVn	158.8	k
$P_u/\phi_P P_n + V_u/\phi_V V_n$	0.411	OK

Horizontal Weld		
Horz.-to-Stiffener a=e_x/l	0.167	-
Spacing Ratio, k	0.125	-
Weld Coefficient, C	3.940	-
Effective Fillet	0.375	in
Compressive Capacity, ϕPn	106.4	k
Horz.-to-Pole a=e_x/l	0.333	-
Spacing Ratio, k	0.125	-
Weld Coefficient, C	3.090	-
Shear Capacity, ϕVn	83.4	k
$P_u/\phi_P P_n + V_u/\phi_V V_n$	0.766	OK

Plate Tension		
Gross Cross Section	3.750	in^2
Net Cross Section	3.375	in^2
Tensile Capacity, ϕTn	121.5	k
Capacity, Tu/ϕTn	0.333	OK

Plate Compression		
Radius of Gyration	0.217	in^3
kl/r	33.26	-
4.71 √(E/Fy)	133.68	-
Buckling Stress(Fe)	258.8	-
Crit. Buckling Stress(Fcr)	227.0	ksi
Compressive Capacity, ϕPn	766.0	k
Capacity, Pu/ϕPn	0.053	OK

AMERICAN TOWER®
CORPORATION

This report was prepared for American Tower Corporation by

ETS
ENGINEERED TOWER SOLUTIONS, PLLC

Antenna Mount Analysis Report

ATC Site Name	:	**SMFR - North, CT**
ATC Site Number	:	**302515**
Engineering Number	:	**13337519_C8_02**
ETS, PLLC Job Number	:	**21090475.STR.5372**
Mount Elevation	:	**130 ft and 160 ft**
Carrier	:	**T-Mobile**
Carrier Site Name	:	**Stamford/MP Exit 35-36**
Carrier Site Number	:	**CT11373A**
Site Location	:	**5 High Ridge Park Road** **Stamford, CT 06905** **41.112800, -73.538400**
County	:	**Fairfield**
Date	:	**March 24, 2021**
Max Usage	:	**95%**
Result	:	**Contingent Pass**

Prepared By:
Brandon R. Little, EI
Structural Engineer II

Reviewed By:
Frederic G. Bost, PE
Owner/President

3/25/21

Table of Contents

Introduction

The purpose of this report is to summarize results of the antenna mount analysis performed for T-Mobile at 130 ft and 160 ft.

Supporting Documents

RFDS	RFDS (CT11373A) dated January 19, 2021
Photos	Site photos from 2020

Analysis

This antenna mount was analyzed using RISA-3D v17.0.4 analysis software

Basic Wind Speed:	116 mph (3-Second Gust)
Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ 1" radial ice concurrent
Codes:	ANSI/TIA-222-H
Structure Class:	II
Exposure Category:	B
Topographic Factor Procedure:	Method 2
Feature:	Flat
Crest Height (H):	0 ft
Crest Length (L):	0 ft
Spectral Response:	Ss = 0.26, S_1 = 0.58
Site Class:	D - Default
Live Loads:	Lm = 500 lbs, Lv = 250 lbs

Conclusion

Based on the analysis results, the antenna mount meets the requirements per the applicable codes listed above provided the modifications listed below are completed.

1. A handrail kit (Site Pro 1 HRK12 or EOR approved equivalent) was modeled due to the Carrier's proposed Mount Type (130 ft level mount only). Handrail is to be installed 36" above existing face mount horizontals.

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

Antenna Loading

Mount Centerline (ft)	Antenna Centerline (ft)	Qty	Antenna Model
160.0	160.0	3	RFS APXVAARR24_43-U-NA20
		3	Ericsson Radio 4449 B71 B85A
		3	Ericsson RRUS 4415 B25
130.0	132.0	3	Ericsson AIR-32 B2A/B66Aa
		3	Ericsson Air6449 B41

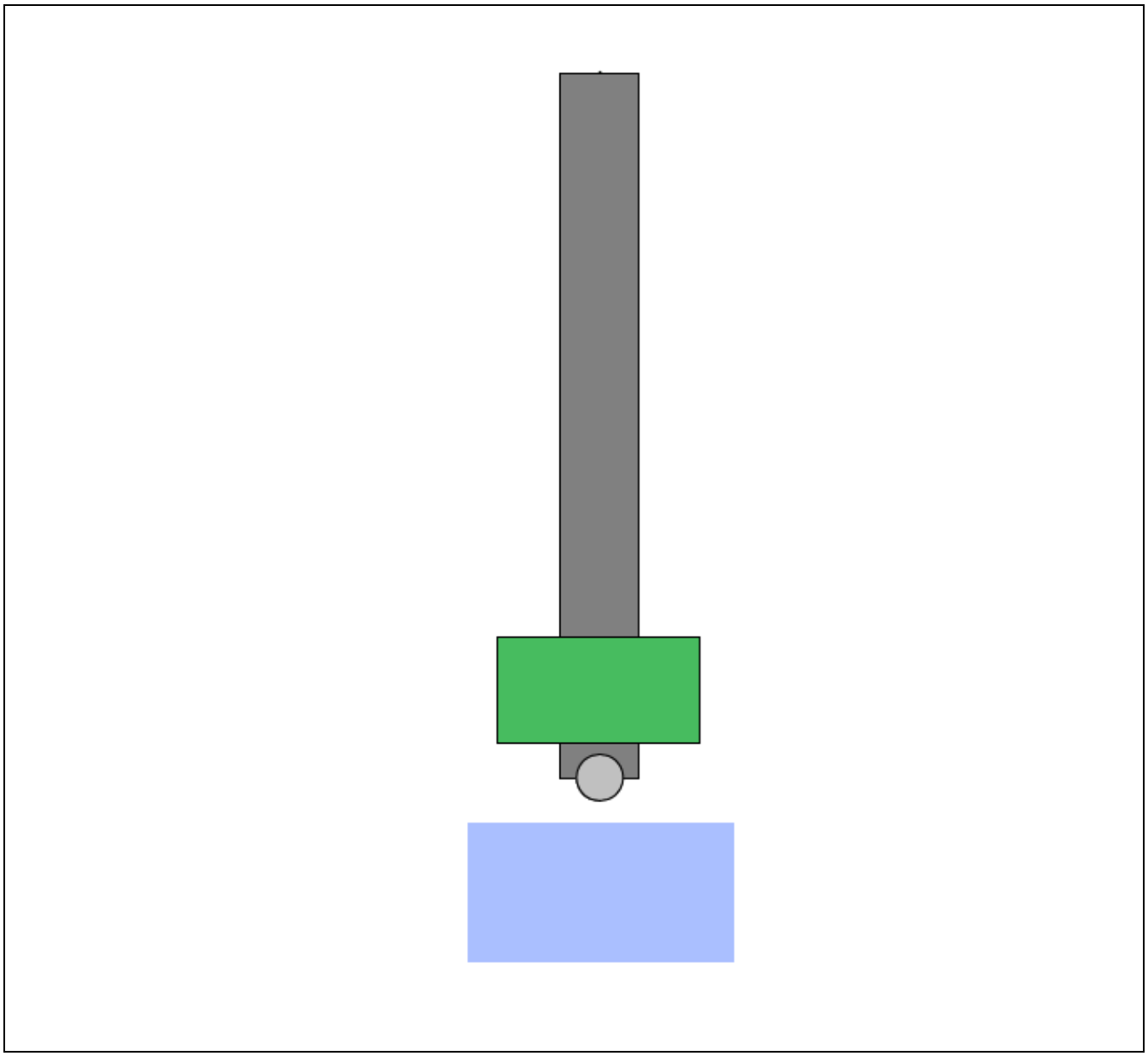
Structure Usages (160 ft)

Structural Component	Controlling Usage	Pass/Fail
Horizontals	31%	Pass
Mount Pipes	95%	Pass

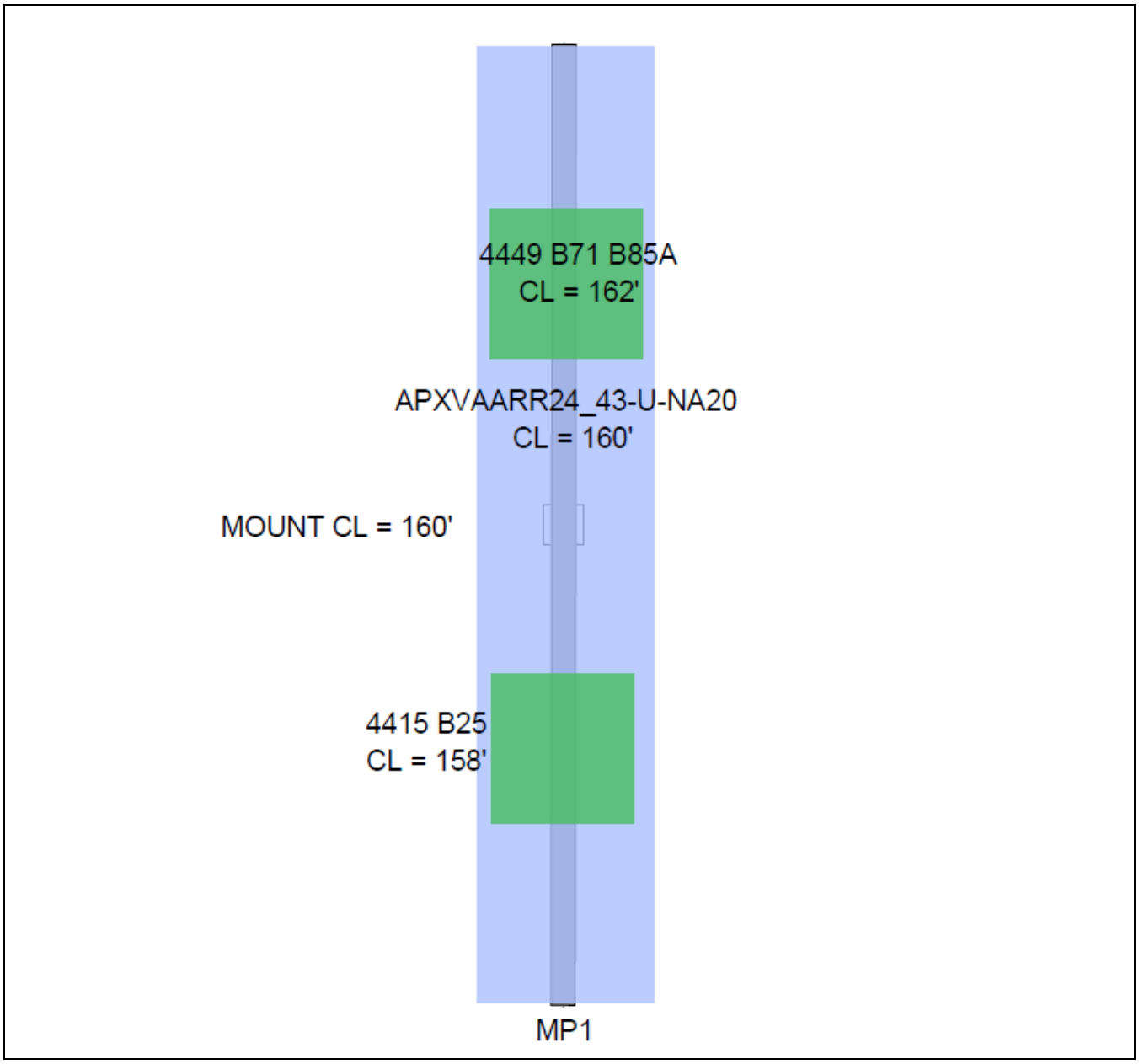
Structure Usages (130 ft)

Structural Component	Controlling Usage	Pass/Fail
Horizontals	59%	Pass
Mount Pipes	23%	Pass

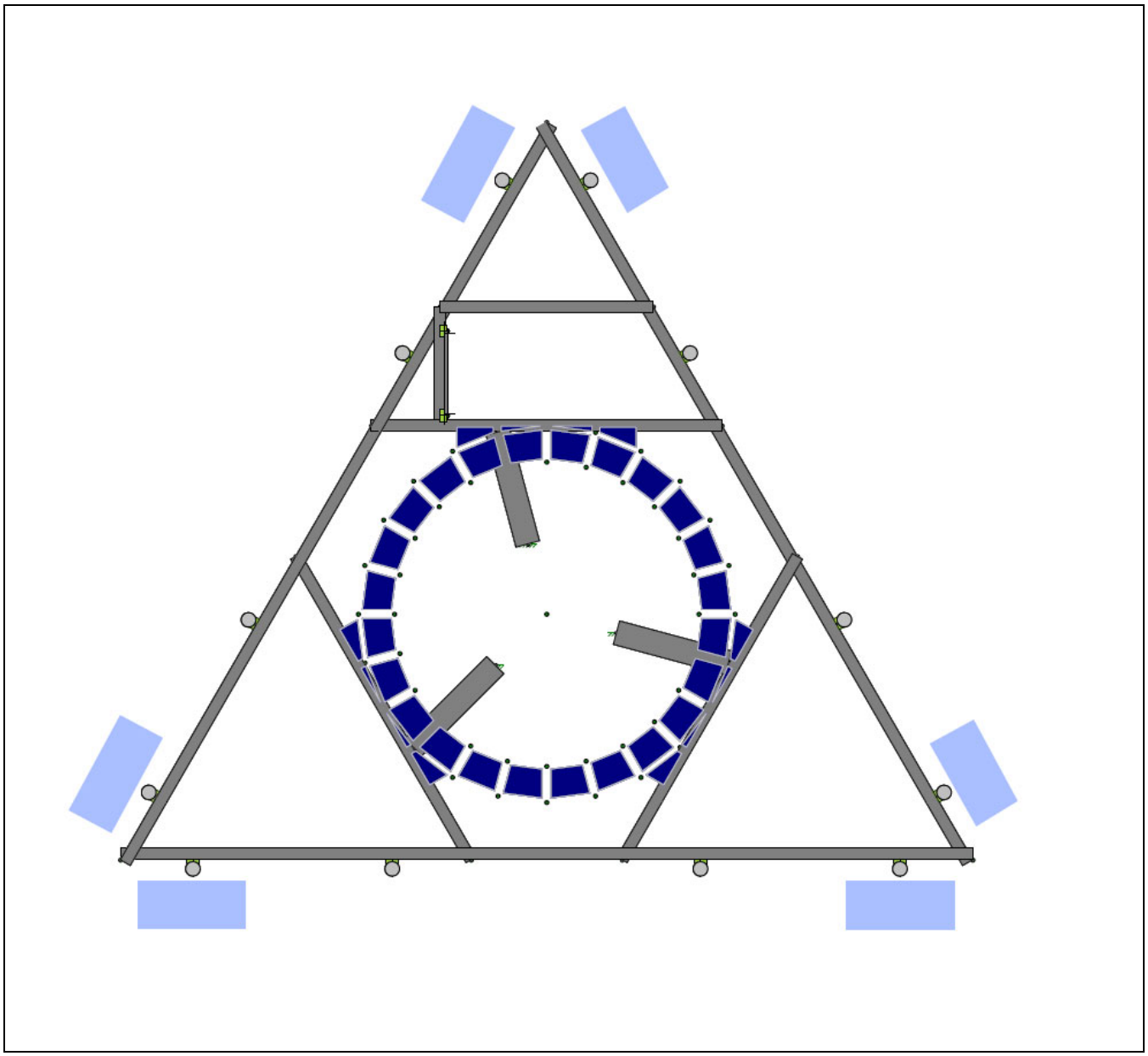
Mount Layout (160 ft)



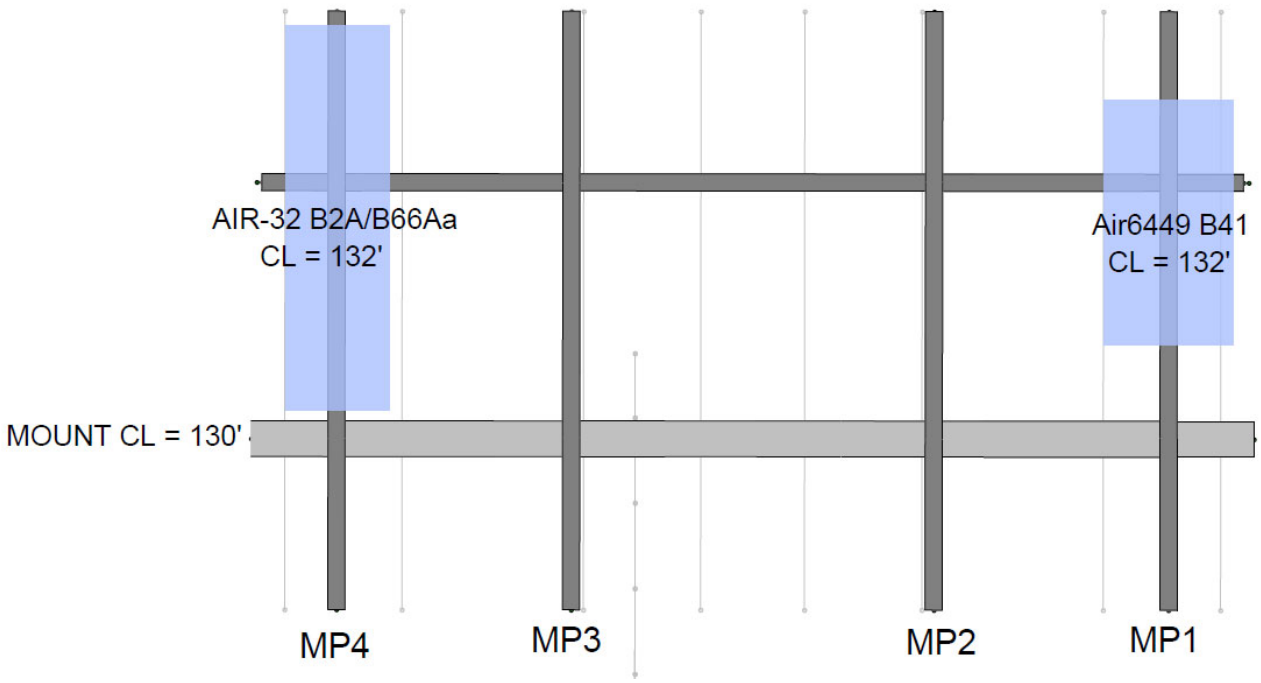
Equipment Layout (160 ft)



Mount Layout (130 ft)



Equipment Layout (130 ft)



Standard Conditions

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

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

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

The antenna mounting system was properly fabricated, installed and maintained in good condition in accordance with its original design and manufacturer's specification.

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

Steel grades have been assumed as follows, unless noted otherwise:

Channel, Solid Round, Angle, Plate, Threaded Rod	ASTM A36 (Gr. 36)
HSS (Rectangular)	ASTM A500 (Gr. B-46)
HSS (Round)	ASTM A500 (Gr. B-42)
Pipe	ASTM A53 (Gr. 35)
Connection Bolts	ASTM A325
U-Bolt	SAE J429 (Gr. 2)

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

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

TIA-222-H Mount Load Generator

Site Inputs	
Mount Support (Tower, or Building Support)?	Tower
Risk Category (TIA Table 2-1)	II
Exposure Category	B
Basic Wind Speed without Ice, V	116 mph
Basic Wind Speed with Ice, V_i	50 mph
Design of Ice, δ_{ice}	56 pcf
Design Ice Thickness, t_i	1.00 in
Basic Wind Speed (Maintenance)	30 mph
Maintenance Load, L_m	0 lb
Maintenance Load, L_v	0 lb
Height of Structure, h	148.0 ft
Mount Centerline, h_m	160.0 ft
Topographic Factor, K_{zt}	1.00
Rooftop Wind Speed-Up Factor, K_s	1.00
Mean Elevation of base of structure above sea level, z_s	227 ft
Ground Elevation Factor, K_e	0.99
Wind Direction Probability Factor, K_d	0.95
Gust Response Factor, G_h	1.00
Shielding Factor for Appurtenances, K_a	0.90

Seismic Design Input/Output	
0.26	Spectral response acceleration at short periods, S_s
0.058	Spectral response acceleration at a period of 1 second, S_1
D	Soil Site Class
1.592	Short-period site coefficient, F_a
2.400	Long-period site coefficient, F_v
0.276	Design spectral response acceleration at short periods, S_{DS}
0.093	Design spectral response acceleration at a period of 1 second, S_{D1}
2.00	Response modification coefficient, R
1.00	Earthquake amplification factor, A_s
1.00	Importance Factor
0.1380	Seismic Response Coefficient, C_s
Eh = 0.138 W	Total Seismic Shear Force, $E_h = \rho Q_E$ ($Q_E = \rho C_s W A_s$ & $\rho = 1.0$)
Ev = 0.055 D	Vertical Seismic Load Effect, $E_v = 0.2 S_{DS} D A_s$

Output File Name: SMFR_160_Loaded

Mount Pipe Information							Mount Pipe Forces					
Mount Pipe	Mount Location	Vertical Offset	Length	Diameter	Weight	Shape	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{iz}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
P 2 SCH 40 x 96	MP1	0.00 ft	96.00 in	2.38 in	29.25 lb	Round	0.06 lb	69.70 lb	1.171 in	40.59 lb	0.55 lb	24.32 lb

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Raleigh, NC 27615

Appurtenance Information - MP1							Appurtenance Forces - MP1					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{iz}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
RFS / APXVAARR24_43-U-NA20	1	0.00 ft	95.90 in	24.00 in	8.70 in	127.90 lb	742.61 lb	326.08 lb	1.171 in	305.26 lb	144.60 lb	67.77 lb
ERICSSON / RADIO 4449 B71 B85A	1	2.00 ft	15.00 in	13.20 in	10.50 in	75.00 lb	0.00 lb	48.32 lb	1.172 in	32.30 lb	0.00 lb	11.15 lb
ERICSSON / RRUS 4415 B25	1	-2.00 ft	16.50 in	13.40 in	5.90 in	46.00 lb	0.00 lb	29.98 lb	1.170 in	31.06 lb	0.00 lb	7.42 lb

Member Distributed Loads	Member Information			Member Forces		
Mount Members	Width/Diameter (in)	Depth/Diameter (in)	Length (in)	Ka * Force / Length, No Ice	Ice Weight (plf)	Ka * Force / Length, Ice
HSS4x4	4.000 in	4.000 in	36.0 in	10.3 lb/ft	9.8 lb/ft	2.9 lb/ft

Member Lookup	Member Label	Position	Maintenance Load
HSS4x4	SA	0°	

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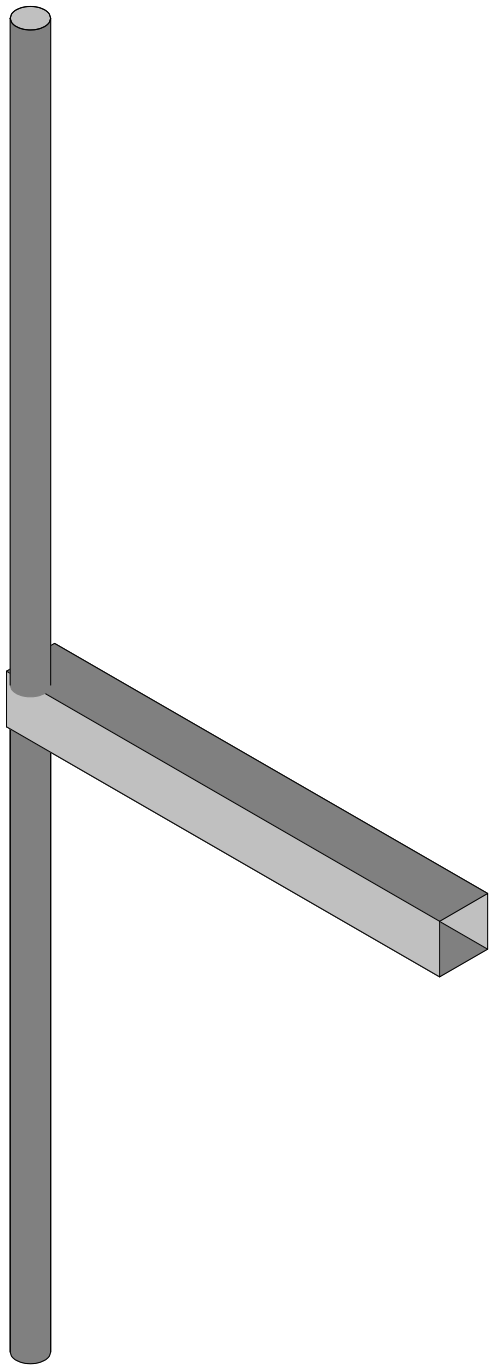

ETS, PLLC	302515 - SMFR - North (T-Mobile, 160 ft) Mount Analy ...	SK - 1
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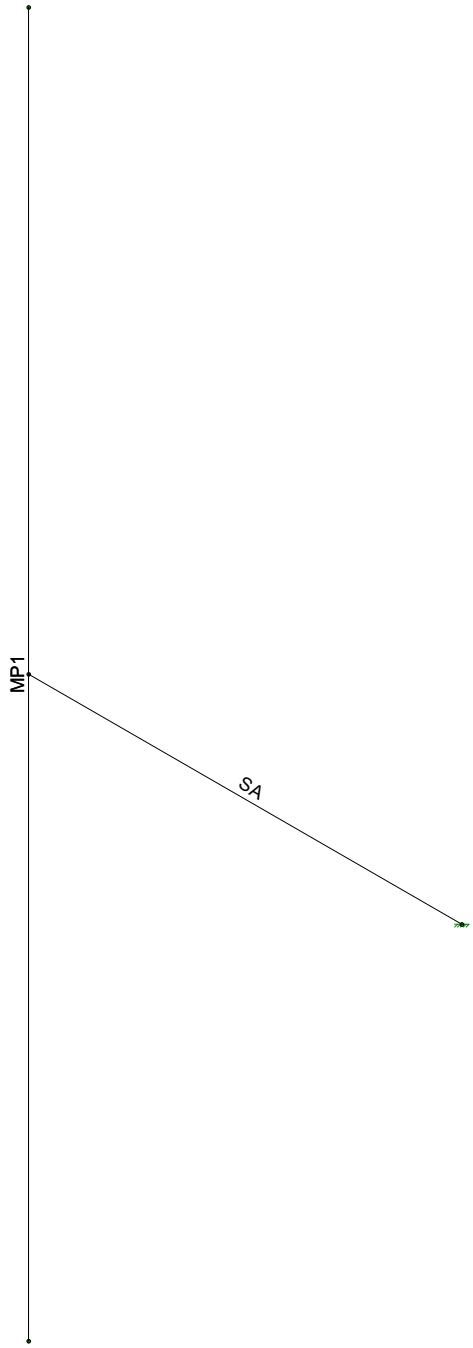

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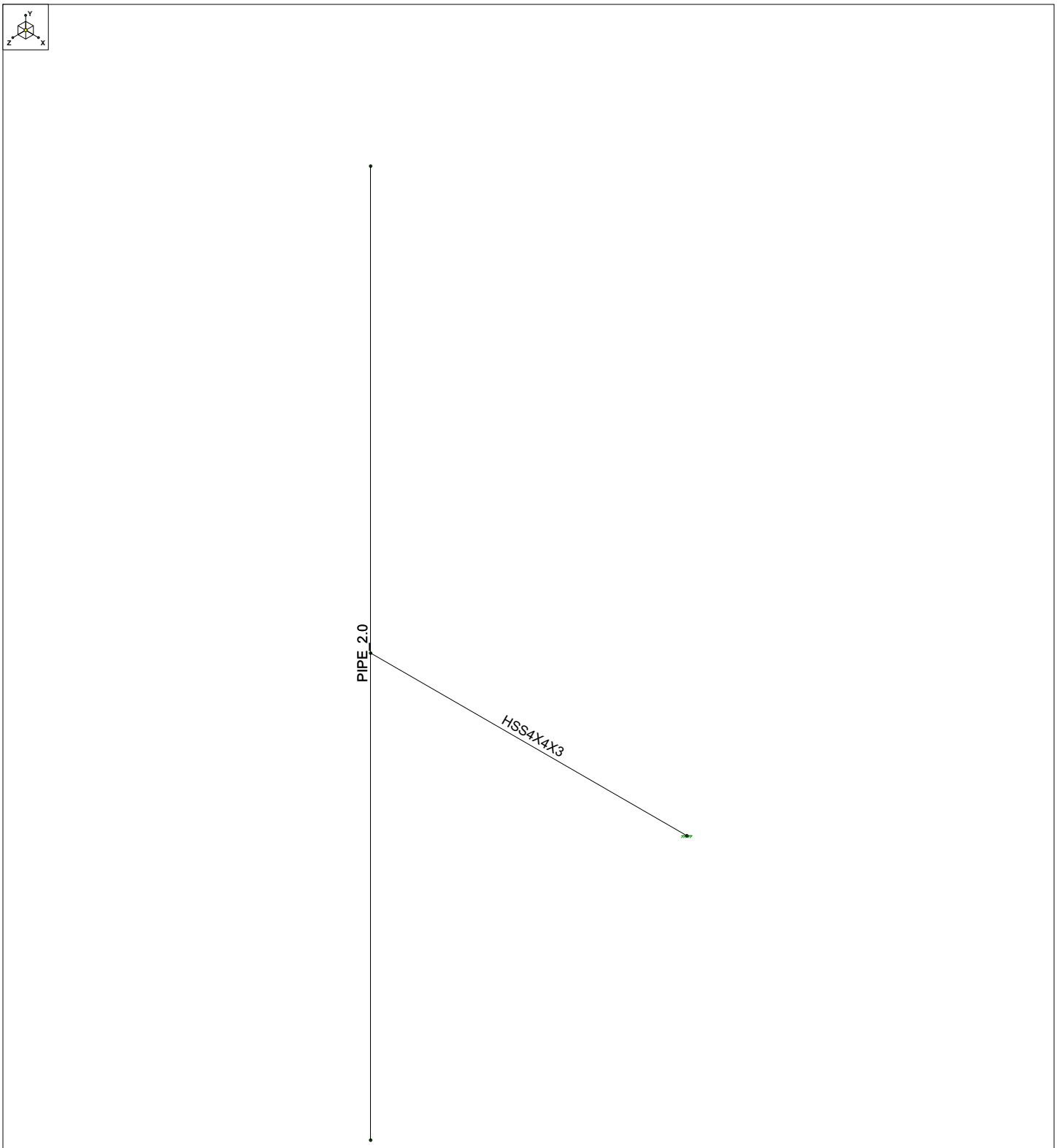

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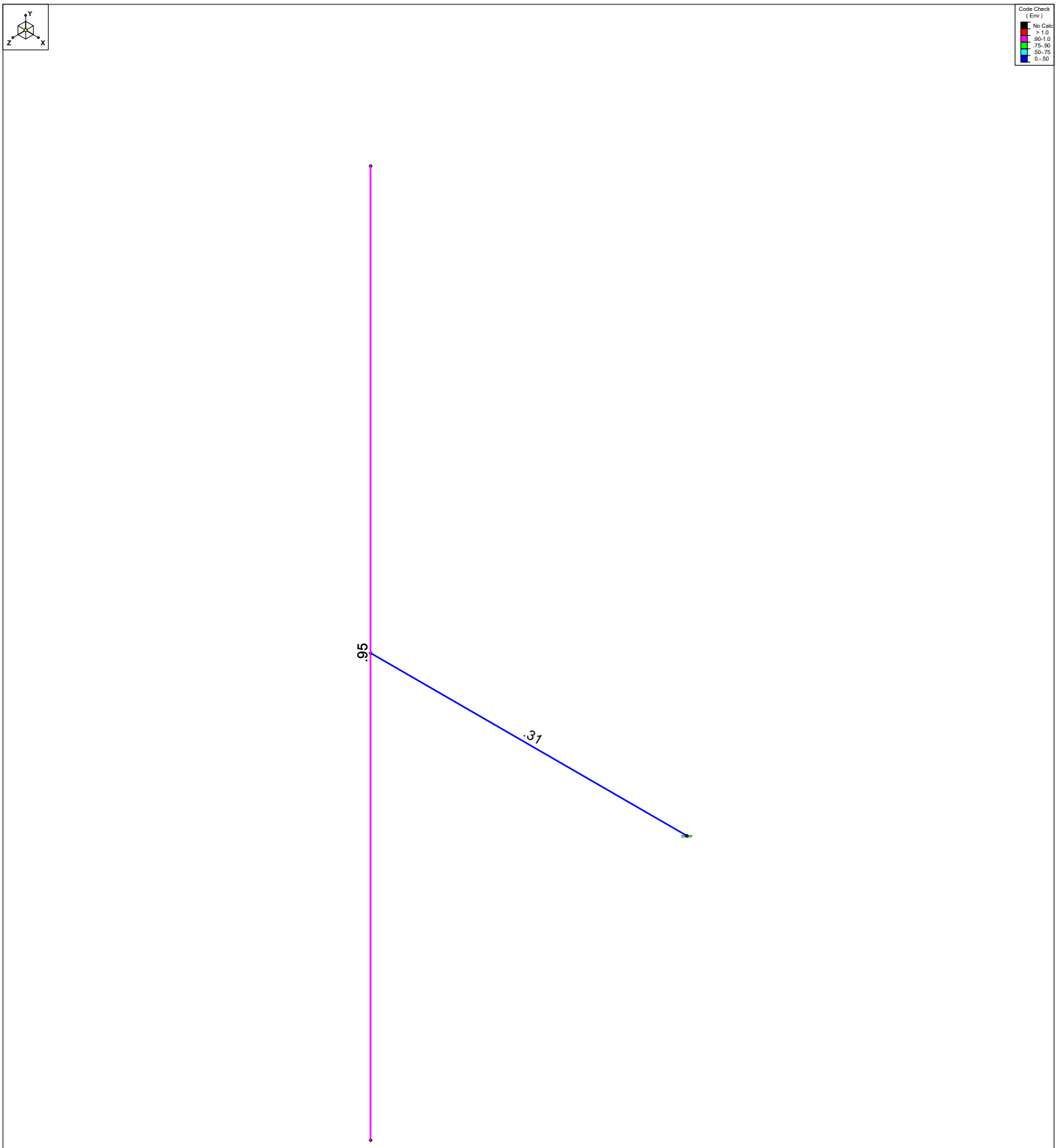

Member Code Checks Displayed (Enveloped)
Results for LC 1, 1.4D

ETS, PLLC	302515 - SMFR - North (T-Mobile, 160 ft) Mount Analy ...	SK - 4
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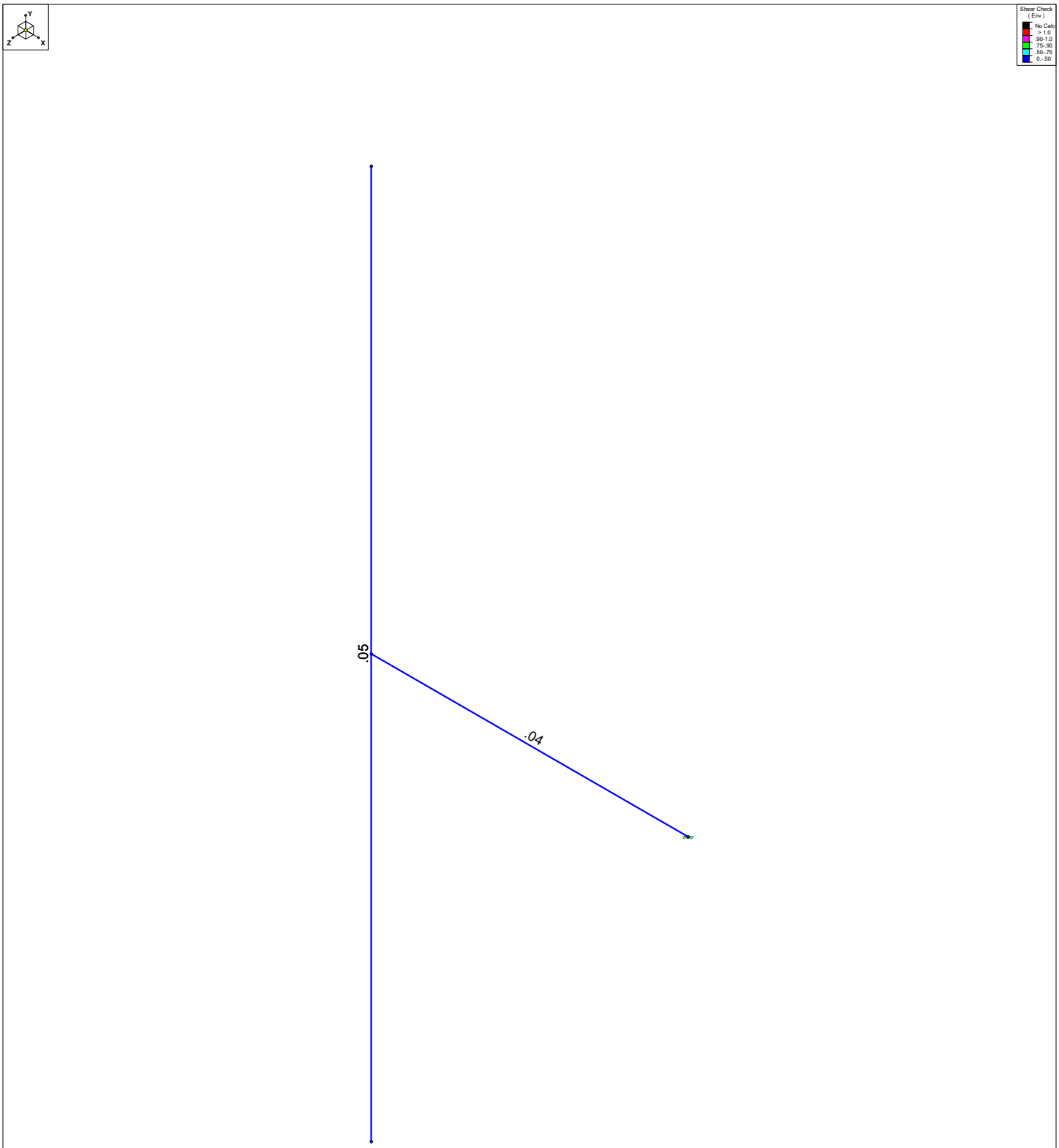

Member Shear Checks Displayed (Enveloped)
Results for LC 1, 1.4D

ETS, PLLC		SK - 5
BRL	302515 - SMFR - North (T-Mobile, 160 ft) Mount Analy ...	Mar 18, 2021 at 5:52 PM
ETS Job # 21090475.STR...		SMFR_160_Loaded.r3d

Joint Coordinates and Temperatures

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
1	N1	0	0	0	0	
2	N2	-36	0	0	0	
3	N3	-36	48	0	0	
4	N4	-36	-48	0	0	

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	SA	N1	N2			HSS4X4X3	Beam	Tube	A500 Gr.B...	Typical
2	MP1	N4	N3			PIPE_2.0	Column	Pipe	A53 Gr.B	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	SA						Yes				None
2	MP1						Yes	** NA **			None

Hot Rolled Steel Design Parameters

	Label	Shape	Length[in]	Lbyy[in]	Lbzz[in]	Lcomp top[in]	Lcomp bot[in]	L-torq...	Kyy	Kzz	Cb	Function
1	SA	HSS4X4X3	36									Lateral
2	MP1	PIPE_2.0	96	48	48							Lateral

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E...	Density[k/ft...	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	.527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
7	A1085	29000	11154	.3	.65	.49	50	1.25	65	1.15
8	A913 Gr.65	29000	11154	.3	.65	.49	65	1.1	80	1.1

Member Point Loads (BLC 1 : Dead Load)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	Y	0	%50
2	MP1	Y	-75	%75
3	MP1	Y	-46	%25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	.1	%50
2	MP1	X	0	%75
3	MP1	X	0	%25
4	MP1	Z	0	%50
5	MP1	Z	0	%75
6	MP1	Z	0	%25

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

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

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	13.6	%50
2	MP1	X	9.4	%75
3	MP1	X	5.8	%25
4	MP1	Z	7.9	%50
5	MP1	Z	5.4	%75
6	MP1	Z	3.4	%25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	23.5	%50
2	MP1	X	16.3	%75
3	MP1	X	10.1	%25
4	MP1	Z	40.8	%50
5	MP1	Z	28.2	%75
6	MP1	Z	17.5	%25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP1	X	0	%75
3	MP1	X	0	%25
4	MP1	Z	62.7	%50
5	MP1	Z	43.5	%75
6	MP1	Z	27	%25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-23.5	%50
2	MP1	X	-16.3	%75
3	MP1	X	-10.1	%25
4	MP1	Z	40.8	%50
5	MP1	Z	28.2	%75
6	MP1	Z	17.5	%25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-13.6	%50
2	MP1	X	-9.4	%75
3	MP1	X	-5.8	%25
4	MP1	Z	7.9	%50
5	MP1	Z	5.4	%75
6	MP1	Z	3.4	%25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-.1	%50
2	MP1	X	0	%75
3	MP1	X	0	%25
4	MP1	Z	0	%50
5	MP1	Z	0	%75
6	MP1	Z	0	%25

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

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

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-13.6	%50
2	MP1	X	-9.4	%75
3	MP1	X	-5.8	%25
4	MP1	Z	-7.9	%50
5	MP1	Z	-5.4	%75
6	MP1	Z	-3.4	%25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-23.5	%50
2	MP1	X	-16.3	%75
3	MP1	X	-10.1	%25
4	MP1	Z	-40.8	%50
5	MP1	Z	-28.2	%75
6	MP1	Z	-17.5	%25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP1	X	0	%75
3	MP1	X	0	%25
4	MP1	Z	-62.7	%50
5	MP1	Z	-43.5	%75
6	MP1	Z	-27	%25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	23.5	%50
2	MP1	X	16.3	%75
3	MP1	X	10.1	%25
4	MP1	Z	-40.8	%50
5	MP1	Z	-28.2	%75
6	MP1	Z	-17.5	%25

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	13.6	%50
2	MP1	X	9.4	%75
3	MP1	X	5.8	%25
4	MP1	Z	-7.9	%50
5	MP1	Z	-5.4	%75
6	MP1	Z	-3.4	%25

Member Point Loads (BLC 14 : Ice Load)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	Y	-40.6	%50
2	MP1	Y	-32.3	%75
3	MP1	Y	-31.1	%25

Member Point Loads (BLC 15 : Wind on Ice (0 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	.5	%50
2	MP1	X	0	%75
3	MP1	X	0	%25

Member Point Loads (BLC 15 : Wind on Ice (0 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
4	MP1	Z	0	%50
5	MP1	Z	0	%75
6	MP1	Z	0	%25

Member Point Loads (BLC 16 : Wind on Ice (30 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	5.1	%50
2	MP1	X	2.2	%75
3	MP1	X	1.4	%25
4	MP1	Z	2.9	%50
5	MP1	Z	1.3	%75
6	MP1	Z	.8	%25

Member Point Loads (BLC 17 : Wind on Ice (60 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	8.3	%50
2	MP1	X	3.8	%75
3	MP1	X	2.5	%25
4	MP1	Z	14.3	%50
5	MP1	Z	6.5	%75
6	MP1	Z	4.3	%25

Member Point Loads (BLC 18 : Wind on Ice (90 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP1	X	0	%75
3	MP1	X	0	%25
4	MP1	Z	21.9	%50
5	MP1	Z	10	%75
6	MP1	Z	6.7	%25

Member Point Loads (BLC 19 : Wind on Ice (120 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-8.3	%50
2	MP1	X	-3.8	%75
3	MP1	X	-2.5	%25
4	MP1	Z	14.3	%50
5	MP1	Z	6.5	%75
6	MP1	Z	4.3	%25

Member Point Loads (BLC 20 : Wind on Ice (150 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-5.1	%50
2	MP1	X	-2.2	%75
3	MP1	X	-1.4	%25
4	MP1	Z	2.9	%50
5	MP1	Z	1.3	%75
6	MP1	Z	.8	%25

Member Point Loads (BLC 21 : Wind on Ice (180 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-.5	%50
2	MP1	X	0	%75
3	MP1	X	0	%25

Member Point Loads (BLC 21 : Wind on Ice (180 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
4	MP1	Z	0	%50
5	MP1	Z	0	%75
6	MP1	Z	0	%25

Member Point Loads (BLC 22 : Wind on Ice (210 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-5.1	%50
2	MP1	X	-2.2	%75
3	MP1	X	-1.4	%25
4	MP1	Z	-2.9	%50
5	MP1	Z	-1.3	%75
6	MP1	Z	-.8	%25

Member Point Loads (BLC 23 : Wind on Ice (240 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-8.3	%50
2	MP1	X	-3.8	%75
3	MP1	X	-2.5	%25
4	MP1	Z	-14.3	%50
5	MP1	Z	-6.5	%75
6	MP1	Z	-4.3	%25

Member Point Loads (BLC 24 : Wind on Ice (270 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP1	X	0	%75
3	MP1	X	0	%25
4	MP1	Z	-21.9	%50
5	MP1	Z	-10	%75
6	MP1	Z	-6.7	%25

Member Point Loads (BLC 25 : Wind on Ice (300 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	8.3	%50
2	MP1	X	3.8	%75
3	MP1	X	2.5	%25
4	MP1	Z	-14.3	%50
5	MP1	Z	-6.5	%75
6	MP1	Z	-4.3	%25

Member Point Loads (BLC 26 : Wind on Ice (330 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	5.1	%50
2	MP1	X	2.2	%75
3	MP1	X	1.4	%25
4	MP1	Z	-2.9	%50
5	MP1	Z	-1.3	%75
6	MP1	Z	-.8	%25

Member Point Loads (BLC 27 : Horizontal Seismic, Eh (0))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP1	X	75	%75
3	MP1	X	46	%25

Member Point Loads (BLC 27 : Horizontal Seismic, Eh (0)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
4	MP1	Z	0	%50
5	MP1	Z	0	%75
6	MP1	Z	0	%25

Member Point Loads (BLC 28 : Horizontal Seismic, Eh (30))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP1	X	65	%75
3	MP1	X	39.8	%25
4	MP1	Z	0	%50
5	MP1	Z	37.5	%75
6	MP1	Z	23	%25

Member Point Loads (BLC 29 : Horizontal Seismic, Eh (60))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP1	X	37.5	%75
3	MP1	X	23	%25
4	MP1	Z	0	%50
5	MP1	Z	65	%75
6	MP1	Z	39.8	%25

Member Point Loads (BLC 30 : Horizontal Seismic, Eh (90))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP1	X	0	%75
3	MP1	X	0	%25
4	MP1	Z	0	%50
5	MP1	Z	75	%75
6	MP1	Z	46	%25

Member Point Loads (BLC 31 : Horizontal Seismic, Eh (120))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP1	X	-37.5	%75
3	MP1	X	-23	%25
4	MP1	Z	0	%50
5	MP1	Z	65	%75
6	MP1	Z	39.8	%25

Member Point Loads (BLC 32 : Horizontal Seismic, Eh (150))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP1	X	-65	%75
3	MP1	X	-39.8	%25
4	MP1	Z	0	%50
5	MP1	Z	37.5	%75
6	MP1	Z	23	%25

Member Point Loads (BLC 33 : Horizontal Seismic, Eh (180))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP1	X	-75	%75
3	MP1	X	-46	%25

Member Point Loads (BLC 33 : Horizontal Seismic, Eh (180)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
4	MP1	Z	0	%50
5	MP1	Z	0	%75
6	MP1	Z	0	%25

Member Point Loads (BLC 34 : Horizontal Seismic, Eh (210))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP1	X	-65	%75
3	MP1	X	-39.8	%25
4	MP1	Z	0	%50
5	MP1	Z	-37.5	%75
6	MP1	Z	-23	%25

Member Point Loads (BLC 35 : Horizontal Seismic, Eh (240))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP1	X	-37.5	%75
3	MP1	X	-23	%25
4	MP1	Z	0	%50
5	MP1	Z	-65	%75
6	MP1	Z	-39.8	%25

Member Point Loads (BLC 36 : Horizontal Seismic, Eh (270))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP1	X	0	%75
3	MP1	X	0	%25
4	MP1	Z	0	%50
5	MP1	Z	-75	%75
6	MP1	Z	-46	%25

Member Point Loads (BLC 37 : Horizontal Seismic, Eh (300))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP1	X	37.5	%75
3	MP1	X	23	%25
4	MP1	Z	0	%50
5	MP1	Z	-65	%75
6	MP1	Z	-39.8	%25

Member Point Loads (BLC 38 : Horizontal Seismic, Eh (330))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP1	X	65	%75
3	MP1	X	39.8	%25
4	MP1	Z	0	%50
5	MP1	Z	-37.5	%75
6	MP1	Z	-23	%25

Member Point Loads (BLC 39 : Maintenance Load, Lm (MP1))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	Y	0	%50

Member Point Loads (BLC 175 : Antenna Dead Load)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	Y	-64	%6.302
2	MP1	Y	-64	%93.698

Member Point Loads (BLC 176 : Antenna Wind Load (0 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	334.2	%6.302
2	MP1	X	334.2	%93.698
3	MP1	Z	0	0
4	MP1	Z	0	0

Member Point Loads (BLC 177 : Antenna Wind Load (30 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	248.8	%6.302
2	MP1	X	248.8	%93.698
3	MP1	Z	143.7	%6.302
4	MP1	Z	143.7	%93.698

Member Point Loads (BLC 178 : Antenna Wind Load (60 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	96.8	%6.302
2	MP1	X	96.8	%93.698
3	MP1	Z	167.7	%6.302
4	MP1	Z	167.7	%93.698

Member Point Loads (BLC 179 : Antenna Wind Load (90 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	0
2	MP1	X	0	0
3	MP1	Z	146.7	%6.302
4	MP1	Z	146.7	%93.698

Member Point Loads (BLC 180 : Antenna Wind Load (120 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-96.8	%6.302
2	MP1	X	-96.8	%93.698
3	MP1	Z	167.7	%6.302
4	MP1	Z	167.7	%93.698

Member Point Loads (BLC 181 : Antenna Wind Load (150 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-248.8	%6.302
2	MP1	X	-248.8	%93.698
3	MP1	Z	143.7	%6.302
4	MP1	Z	143.7	%93.698

Member Point Loads (BLC 182 : Antenna Wind Load (180 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-334.2	%6.302
2	MP1	X	-334.2	%93.698
3	MP1	Z	0	0
4	MP1	Z	0	0

Member Point Loads (BLC 183 : Antenna Wind Load (210 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-248.8	%6.302
2	MP1	X	-248.8	%93.698
3	MP1	Z	-143.7	%6.302
4	MP1	Z	-143.7	%93.698

Member Point Loads (BLC 184 : Antenna Wind Load (240 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-96.8	%6.302
2	MP1	X	-96.8	%93.698
3	MP1	Z	-167.7	%6.302
4	MP1	Z	-167.7	%93.698

Member Point Loads (BLC 185 : Antenna Wind Load (270 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	0
2	MP1	X	0	0
3	MP1	Z	-146.7	%6.302
4	MP1	Z	-146.7	%93.698

Member Point Loads (BLC 186 : Antenna Wind Load (300 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	96.8	%6.302
2	MP1	X	96.8	%93.698
3	MP1	Z	-167.7	%6.302
4	MP1	Z	-167.7	%93.698

Member Point Loads (BLC 187 : Antenna Wind Load (330 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	248.8	%6.302
2	MP1	X	248.8	%93.698
3	MP1	Z	-143.7	%6.302
4	MP1	Z	-143.7	%93.698

Member Point Loads (BLC 188 : Antenna Ice Load)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	Y	-152.6	%6.302
2	MP1	Y	-152.6	%93.698

Member Point Loads (BLC 189 : Antenna Wind on Ice (0 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	65.1	%6.302
2	MP1	X	65.1	%93.698
3	MP1	Z	0	0
4	MP1	Z	0	0

Member Point Loads (BLC 190 : Antenna Wind on Ice (30 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	48.9	%6.302
2	MP1	X	48.9	%93.698
3	MP1	Z	28.2	%6.302
4	MP1	Z	28.2	%93.698

Member Point Loads (BLC 191 : Antenna Wind on Ice (60 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	19.6	%6.302
2	MP1	X	19.6	%93.698
3	MP1	Z	33.9	%6.302
4	MP1	Z	33.9	%93.698

Member Point Loads (BLC 192 : Antenna Wind on Ice (90 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	0
2	MP1	X	0	0
3	MP1	Z	30.5	%6.302
4	MP1	Z	30.5	%93.698

Member Point Loads (BLC 193 : Antenna Wind on Ice (120 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-19.6	%6.302
2	MP1	X	-19.6	%93.698
3	MP1	Z	33.9	%6.302
4	MP1	Z	33.9	%93.698

Member Point Loads (BLC 194 : Antenna Wind on Ice (150 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-48.9	%6.302
2	MP1	X	-48.9	%93.698
3	MP1	Z	28.2	%6.302
4	MP1	Z	28.2	%93.698

Member Point Loads (BLC 195 : Antenna Wind on Ice (180 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-65.1	%6.302
2	MP1	X	-65.1	%93.698
3	MP1	Z	0	0
4	MP1	Z	0	0

Member Point Loads (BLC 196 : Antenna Wind on Ice (210 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-48.9	%6.302
2	MP1	X	-48.9	%93.698
3	MP1	Z	-28.2	%6.302
4	MP1	Z	-28.2	%93.698

Member Point Loads (BLC 197 : Antenna Wind on Ice (240 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-19.6	%6.302
2	MP1	X	-19.6	%93.698
3	MP1	Z	-33.9	%6.302
4	MP1	Z	-33.9	%93.698

Member Point Loads (BLC 198 : Antenna Wind on Ice (270 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	0
2	MP1	X	0	0
3	MP1	Z	-30.5	%6.302
4	MP1	Z	-30.5	%93.698

Member Point Loads (BLC 199 : Antenna Wind on Ice (300 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	19.6	%6.302
2	MP1	X	19.6	%93.698
3	MP1	Z	-33.9	%6.302
4	MP1	Z	-33.9	%93.698

Member Point Loads (BLC 200 : Antenna Wind on Ice (330 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	48.9	%6.302
2	MP1	X	48.9	%93.698
3	MP1	Z	-28.2	%6.302
4	MP1	Z	-28.2	%93.698

Member Point Loads (BLC 201 : Ant. Horiz. Seismic, Eh (0))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	64	%6.302
2	MP1	X	64	%93.698
3	MP1	Z	0	0
4	MP1	Z	0	0

Member Point Loads (BLC 202 : Ant. Horiz. Seismic, Eh (30))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	55.4	%6.302
2	MP1	X	55.4	%93.698
3	MP1	Z	32	%6.302
4	MP1	Z	32	%93.698

Member Point Loads (BLC 203 : Ant. Horiz. Seismic, Eh (60))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	32	%6.302
2	MP1	X	32	%93.698
3	MP1	Z	55.4	%6.302
4	MP1	Z	55.4	%93.698

Member Point Loads (BLC 204 : Ant. Horiz. Seismic, Eh (90))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	0
2	MP1	X	0	0
3	MP1	Z	64	%6.302
4	MP1	Z	64	%93.698

Member Point Loads (BLC 205 : Ant. Horiz. Seismic, Eh (120))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-32	%6.302
2	MP1	X	-32	%93.698
3	MP1	Z	55.4	%6.302
4	MP1	Z	55.4	%93.698

Member Point Loads (BLC 206 : Ant. Horiz. Seismic, Eh (150))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-55.4	%6.302
2	MP1	X	-55.4	%93.698
3	MP1	Z	32	%6.302
4	MP1	Z	32	%93.698

Member Point Loads (BLC 207 : Ant. Horiz. Seismic, Eh (180))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-64	%6.302
2	MP1	X	-64	%93.698
3	MP1	Z	0	0
4	MP1	Z	0	0

Member Point Loads (BLC 208 : Ant. Horiz. Seismic, Eh (210))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-55.4	%6.302
2	MP1	X	-55.4	%93.698
3	MP1	Z	-32	%6.302
4	MP1	Z	-32	%93.698

Member Point Loads (BLC 209 : Ant. Horiz. Seismic, Eh (240))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-32	%6.302
2	MP1	X	-32	%93.698
3	MP1	Z	-55.4	%6.302
4	MP1	Z	-55.4	%93.698

Member Point Loads (BLC 210 : Ant. Horiz. Seismic, Eh (270))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	0
2	MP1	X	0	0
3	MP1	Z	-64	%6.302
4	MP1	Z	-64	%93.698

Member Point Loads (BLC 211 : Ant. Horiz. Seismic, Eh (300))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	32	%6.302
2	MP1	X	32	%93.698
3	MP1	Z	-55.4	%6.302
4	MP1	Z	-55.4	%93.698

Member Point Loads (BLC 212 : Ant. Horiz. Seismic, Eh (330))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	55.4	%6.302
2	MP1	X	55.4	%93.698
3	MP1	Z	-32	%6.302
4	MP1	Z	-32	%93.698

Member Distributed Loads (BLC 2 : Wind Load (0 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	SA	X	0	0	0	0
2	SA	Z	0	0	0	0

Member Distributed Loads (BLC 3 : Wind Load (30 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	SA	X	4.5	4.5	0	0
2	SA	Z	2.6	2.6	0	0

Member Distributed Loads (BLC 4 : Wind Load (60 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]

Member Distributed Loads (BLC 4 : Wind Load (60 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	SA	X	4.5	4.5	0	0
2	SA	Z	7.7	7.7	0	0

Member Distributed Loads (BLC 5 : Wind Load (90 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	SA	X	0	0	0	0
2	SA	Z	10.3	10.3	0	0

Member Distributed Loads (BLC 6 : Wind Load (120 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	SA	X	-4.5	-4.5	0	0
2	SA	Z	7.7	7.7	0	0

Member Distributed Loads (BLC 7 : Wind Load (150 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	SA	X	-4.5	-4.5	0	0
2	SA	Z	2.6	2.6	0	0

Member Distributed Loads (BLC 8 : Wind Load (180 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	SA	X	0	0	0	0
2	SA	Z	0	0	0	0

Member Distributed Loads (BLC 9 : Wind Load (210 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	SA	X	-4.5	-4.5	0	0
2	SA	Z	-2.6	-2.6	0	0

Member Distributed Loads (BLC 10 : Wind Load (240 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	SA	X	-4.5	-4.5	0	0
2	SA	Z	-7.7	-7.7	0	0

Member Distributed Loads (BLC 11 : Wind Load (270 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	SA	X	0	0	0	0
2	SA	Z	-10.3	-10.3	0	0

Member Distributed Loads (BLC 12 : Wind Load (300 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	SA	X	4.5	4.5	0	0
2	SA	Z	-7.7	-7.7	0	0

Member Distributed Loads (BLC 13 : Wind Load (330 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	SA	X	4.5	4.5	0	0
2	SA	Z	-2.6	-2.6	0	0

Member Distributed Loads (BLC 14 : Ice Load)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	SA	Y	-9.8	-9.8	0	0

Member Distributed Loads (BLC 15 : Wind on Ice (0 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	SA	X	0	0	0	0
2	SA	Z	0	0	0	0

Member Distributed Loads (BLC 16 : Wind on Ice (30 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	SA	X	1.2	1.2	0	0
2	SA	Z	.7	.7	0	0

Member Distributed Loads (BLC 17 : Wind on Ice (60 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	SA	X	1.2	1.2	0	0
2	SA	Z	2.1	2.1	0	0

Member Distributed Loads (BLC 18 : Wind on Ice (90 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	SA	X	0	0	0	0
2	SA	Z	2.9	2.9	0	0

Member Distributed Loads (BLC 19 : Wind on Ice (120 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	SA	X	-1.2	-1.2	0	0
2	SA	Z	2.1	2.1	0	0

Member Distributed Loads (BLC 20 : Wind on Ice (150 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	SA	X	-1.2	-1.2	0	0
2	SA	Z	.7	.7	0	0

Member Distributed Loads (BLC 21 : Wind on Ice (180 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	SA	X	0	0	0	0
2	SA	Z	0	0	0	0

Member Distributed Loads (BLC 22 : Wind on Ice (210 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	SA	X	-1.2	-1.2	0	0
2	SA	Z	-.7	-.7	0	0

Member Distributed Loads (BLC 23 : Wind on Ice (240 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	SA	X	-1.2	-1.2	0	0
2	SA	Z	-2.1	-2.1	0	0

Member Distributed Loads (BLC 24 : Wind on Ice (270 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	SA	X	0	0	0	0
2	SA	Z	-2.9	-2.9	0	0

Member Distributed Loads (BLC 25 : Wind on Ice (300 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	SA	X	1.2	1.2	0	0
2	SA	Z	-2.1	-2.1	0	0

Member Distributed Loads (BLC 26 : Wind on Ice (330 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	SA	X	1.2	1.2	0	0
2	SA	Z	-.7	-.7	0	0

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Dead Load	None		-1			3			
2	Wind Load (0 deg)	None					6	2		
3	Wind Load (30 deg)	None					6	2		
4	Wind Load (60 deg)	None					6	2		
5	Wind Load (90 deg)	None					6	2		
6	Wind Load (120 deg)	None					6	2		
7	Wind Load (150 deg)	None					6	2		
8	Wind Load (180 deg)	None					6	2		
9	Wind Load (210 deg)	None					6	2		
10	Wind Load (240 deg)	None					6	2		
11	Wind Load (270 deg)	None					6	2		
12	Wind Load (300 deg)	None					6	2		
13	Wind Load (330 deg)	None					6	2		
14	Ice Load	None					3	1		
15	Wind on Ice (0 deg)	None					6	2		
16	Wind on Ice (30 deg)	None					6	2		
17	Wind on Ice (60 deg)	None					6	2		
18	Wind on Ice (90 deg)	None					6	2		
19	Wind on Ice (120 deg)	None					6	2		
20	Wind on Ice (150 deg)	None					6	2		
21	Wind on Ice (180 deg)	None					6	2		
22	Wind on Ice (210 deg)	None					6	2		
23	Wind on Ice (240 deg)	None					6	2		
24	Wind on Ice (270 deg)	None					6	2		
25	Wind on Ice (300 deg)	None					6	2		
26	Wind on Ice (330 deg)	None					6	2		
27	Horizontal Seismic, E...	None	1				6			
28	Horizontal Seismic, E...	None	.866		.5		6			
29	Horizontal Seismic, E...	None	.5		.866		6			
30	Horizontal Seismic, E...	None			1		6			
31	Horizontal Seismic, E...	None	-.5		.866		6			
32	Horizontal Seismic, E...	None	-.866		.5		6			
33	Horizontal Seismic, E...	None	-1				6			
34	Horizontal Seismic, E...	None	-.866		-.5		6			
35	Horizontal Seismic, E...	None	-.5		-.866		6			
36	Horizontal Seismic, E...	None			-1		6			
37	Horizontal Seismic, E...	None	.5		-.866		6			
38	Horizontal Seismic, E...	None	.866		-.5		6			
39	Maintenance Load, L...	None					1			
40	Maintenance Load, L...	None								
41	Maintenance Load, L...	None								
42	Maintenance Load, L...	None								
43	Maintenance Load, L...	None								
44	Maintenance Load, L...	None								
45	Maintenance Load, L...	None								
46	Maintenance Load, L...	None								
47	Maintenance Load, L...	None								
48	Maintenance Load, L...	None								
49	Maintenance Load, L...	None								
50	Maintenance Load, L...	None								

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
51	Maintenance Load, L...	None								
52	Maintenance Load, L...	None								
53	Maintenance Load, L...	None								
54	Maintenance Load, L...	None								
55	Maintenance Load, L...	None								
56	Maintenance Load, L...	None								
57	Maintenance Load, L...	None								
58	Maintenance Load, L...	None								
59	Maintenance Load, L...	None								
60	Maintenance Load, L...	None								
61	Maintenance Load, L...	None								
62	Maintenance Load, L...	None								
63	Maintenance Load, L...	None								
64	Maintenance Load, L...	None								
65	Maintenance Load, L...	None								
66	Maintenance Load, L...	None								
67	Maintenance Load, L...	None								
68	Maintenance Load, L...	None								
69	Maintenance Load, L...	None								
70	Maintenance Load, L...	None								
71	Maintenance Load, L...	None								
72	Maintenance Load, L...	None								
73	Maintenance Load, L...	None								
74	Maintenance Load, L...	None								
75	Maintenance Load, L...	None								
76	Maintenance Load, L...	None								
77	Maintenance Load, L...	None								
78	Maintenance Load, L...	None								
79	Maintenance Load, L...	None								
80	Maintenance Load, L...	None								
81	Maintenance Load, L...	None								
82	Maintenance Load, L...	None								
83	Maintenance Load, L...	None								
84	Maintenance Load, L...	None								
85	Maintenance Load, L...	None								
86	Maintenance Load, L...	None								
87	Maintenance Load, L...	None								
88	Maintenance Load, L...	None								
89	Maintenance Load, L...	None								
90	Maintenance Load, L...	None								
91	Maintenance Load, L...	None								
92	Maintenance Load, L...	None								
93	Maintenance Load, L...	None								
94	Maintenance Load, L...	None								
95	Maintenance Load, L...	None								
96	Maintenance Load, L...	None								
97	Maintenance Load, L...	None								
98	Maintenance Load, L...	None								
99	Maintenance Load, L...	None								
100	Maintenance Load, L...	None								
101	Maintenance Load, L...	None								
102	Maintenance Load, L...	None								
103	Maintenance Load, L...	None								
104	Maintenance Load, L...	None								
105	Maintenance Load, L...	None								
106	Maintenance Load, L...	None								
107	Maintenance Load, L...	None								

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
108	Maintenance Load, L...	None								
109	Maintenance Load, L...	None								
110	Maintenance Load, L...	None								
111	Maintenance Load, L...	None								
112	Maintenance Load, L...	None								
113	Maintenance Load, L...	None								
114	Maintenance Load, L...	None								
115	Maintenance Load, L...	None								
116	Maintenance Load, L...	None								
117	Maintenance Load, L...	None								
118	Maintenance Load, L...	None								
119	Maintenance Load, L...	None								
120	Maintenance Load, L...	None								
121	Maintenance Load, L...	None								
122	Maintenance Load, L...	None								
123	Maintenance Load, L...	None								
124	Maintenance Load, L...	None								
125	Maintenance Load, L...	None								
126	Maintenance Load, L...	None								
127	Maintenance Load, L...	None								
128	Maintenance Load, L...	None								
129	Maintenance Load, L...	None								
130	Maintenance Load, L...	None								
131	Maintenance Load, L...	None								
132	Maintenance Load, L...	None								
133	Maintenance Load, L...	None								
134	Maintenance Load, L...	None								
135	Maintenance Load, L...	None								
136	Maintenance Load, L...	None								
137	Maintenance Load, L...	None								
138	Maintenance Load, L...	None								
139	Maintenance Load, L...	None								
140	Maintenance Load, L...	None								
141	Maintenance Load, L...	None								
142	Maintenance Load, L...	None								
143	Maintenance Load, L...	None								
144	Maintenance Load, L...	None								
145	Maintenance Load, L...	None								
146	Maintenance Load, L...	None								
147	Maintenance Load, L...	None								
148	Maintenance Load, L...	None								
149	Maintenance Load, L...	None								
150	Maintenance Load, L...	None								
151	Maintenance Load, L...	None								
152	Maintenance Load, L...	None								
153	Maintenance Load, L...	None								
154	Maintenance Load, L...	None								
155	Maintenance Load, L...	None								
156	Maintenance Load, L...	None								
157	Maintenance Load, L...	None								
158	Maintenance Load, L...	None								
159	Maintenance Load, L...	None								
160	Maintenance Load, L...	None								
161	Maintenance Load, L...	None								
162	Maintenance Load, L...	None								
163	Maintenance Load, L...	None								
164	Maintenance Load, L...	None								

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
165	Maintenance Load, L...	None								
166	Maintenance Load, L...	None								
167	Maintenance Load, L...	None								
168	Maintenance Load, L...	None								
169	Maintenance Load, L...	None								
170	Maintenance Load, L...	None								
171	Maintenance Load, L...	None								
172	Maintenance Load, L...	None								
173	Maintenance Load, L...	None								
174	Maintenance Load, L...	None								
175	Antenna Dead Load	None					2			
176	Antenna Wind Load (...	None					4			
177	Antenna Wind Load (...	None					4			
178	Antenna Wind Load (...	None					4			
179	Antenna Wind Load (...	None					4			
180	Antenna Wind Load (...	None					4			
181	Antenna Wind Load (...	None					4			
182	Antenna Wind Load (...	None					4			
183	Antenna Wind Load (...	None					4			
184	Antenna Wind Load (...	None					4			
185	Antenna Wind Load (...	None					4			
186	Antenna Wind Load (...	None					4			
187	Antenna Wind Load (...	None					4			
188	Antenna Ice Load	None					2			
189	Antenna Wind on Ice ...	None					4			
190	Antenna Wind on Ice ...	None					4			
191	Antenna Wind on Ice ...	None					4			
192	Antenna Wind on Ice ...	None					4			
193	Antenna Wind on Ice ...	None					4			
194	Antenna Wind on Ice ...	None					4			
195	Antenna Wind on Ice ...	None					4			
196	Antenna Wind on Ice ...	None					4			
197	Antenna Wind on Ice ...	None					4			
198	Antenna Wind on Ice ...	None					4			
199	Antenna Wind on Ice ...	None					4			
200	Antenna Wind on Ice ...	None					4			
201	Ant. Horiz. Seismic, E...	None					4			
202	Ant. Horiz. Seismic, E...	None					4			
203	Ant. Horiz. Seismic, E...	None					4			
204	Ant. Horiz. Seismic, E...	None					4			
205	Ant. Horiz. Seismic, E...	None					4			
206	Ant. Horiz. Seismic, E...	None					4			
207	Ant. Horiz. Seismic, E...	None					4			
208	Ant. Horiz. Seismic, E...	None					4			
209	Ant. Horiz. Seismic, E...	None					4			
210	Ant. Horiz. Seismic, E...	None					4			
211	Ant. Horiz. Seismic, E...	None					4			
212	Ant. Horiz. Seismic, E...	None					4			

Load Combinations

	Description	Sol...	PD...	SR...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...
1	1.4D	Yes	Y		1	1.4	175	1.4																
2	1.2D + 1.0...	Yes	Y		1	1.2	2	1	175	1.2	176	1												
3	1.2D + 1.0...	Yes	Y		1	1.2	3	1	175	1.2	177	1												
4	1.2D + 1.0...	Yes	Y		1	1.2	4	1	175	1.2	178	1												

Load Combinations (Continued)

	Description	Sol..	PD..	SR..	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...
5	1.2D + 1.0..	Yes	Y		1	1.2	5	1	175	1.2	179	1												
6	1.2D + 1.0..	Yes	Y		1	1.2	6	1	175	1.2	180	1												
7	1.2D + 1.0..	Yes	Y		1	1.2	7	1	175	1.2	181	1												
8	1.2D + 1.0..	Yes	Y		1	1.2	8	1	175	1.2	182	1												
9	1.2D + 1.0..	Yes	Y		1	1.2	9	1	175	1.2	183	1												
10	1.2D + 1.0..	Yes	Y		1	1.2	10	1	175	1.2	184	1												
11	1.2D + 1.0..	Yes	Y		1	1.2	11	1	175	1.2	185	1												
12	1.2D + 1.0..	Yes	Y		1	1.2	12	1	175	1.2	186	1												
13	1.2D + 1.0..	Yes	Y		1	1.2	13	1	175	1.2	187	1												
14	1.2D + Di ...	Yes	Y		1	1.2	14	1	15	1	175	1.2	188	1	189	1								
15	1.2D + Di ...	Yes	Y		1	1.2	14	1	16	1	175	1.2	188	1	190	1								
16	1.2D + Di ...	Yes	Y		1	1.2	14	1	17	1	175	1.2	188	1	191	1								
17	1.2D + Di ...	Yes	Y		1	1.2	14	1	18	1	175	1.2	188	1	192	1								
18	1.2D + Di ...	Yes	Y		1	1.2	14	1	19	1	175	1.2	188	1	193	1								
19	1.2D + Di ...	Yes	Y		1	1.2	14	1	20	1	175	1.2	188	1	194	1								
20	1.2D + Di ...	Yes	Y		1	1.2	14	1	21	1	175	1.2	188	1	195	1								
21	1.2D + Di ...	Yes	Y		1	1.2	14	1	22	1	175	1.2	188	1	196	1								
22	1.2D + Di ...	Yes	Y		1	1.2	14	1	23	1	175	1.2	188	1	197	1								
23	1.2D + Di ...	Yes	Y		1	1.2	14	1	24	1	175	1.2	188	1	198	1								
24	1.2D + Di ...	Yes	Y		1	1.2	14	1	25	1	175	1.2	188	1	199	1								
25	1.2D + Di ...	Yes	Y		1	1.2	14	1	26	1	175	1.2	188	1	200	1								
26	1.2D + 1.0..	Yes	Y		1	1.2	1	.055	27	.138	175	1.2	175	.064	201	.159								
27	1.2D + 1.0..	Yes	Y		1	1.2	1	.055	28	.138	175	1.2	175	.064	202	.159								
28	1.2D + 1.0..	Yes	Y		1	1.2	1	.055	29	.138	175	1.2	175	.064	203	.159								
29	1.2D + 1.0..	Yes	Y		1	1.2	1	.055	30	.138	175	1.2	175	.064	204	.159								
30	1.2D + 1.0..	Yes	Y		1	1.2	1	.055	31	.138	175	1.2	175	.064	205	.159								
31	1.2D + 1.0..	Yes	Y		1	1.2	1	.055	32	.138	175	1.2	175	.064	206	.159								
32	1.2D + 1.0..	Yes	Y		1	1.2	1	.055	33	.138	175	1.2	175	.064	207	.159								
33	1.2D + 1.0..	Yes	Y		1	1.2	1	.055	34	.138	175	1.2	175	.064	208	.159								
34	1.2D + 1.0..	Yes	Y		1	1.2	1	.055	35	.138	175	1.2	175	.064	209	.159								
35	1.2D + 1.0..	Yes	Y		1	1.2	1	.055	36	.138	175	1.2	175	.064	210	.159								
36	1.2D + 1.0..	Yes	Y		1	1.2	1	.055	37	.138	175	1.2	175	.064	211	.159								
37	1.2D + 1.0..	Yes	Y		1	1.2	1	.055	38	.138	175	1.2	175	.064	212	.159								
38	1.2D + 1.5..	Yes	Y		1	1.2	39	1.5	2	.067	175	1.2	176	.067										
39	1.2D + 1.5..	Yes	Y		1	1.2	39	1.5	3	.067	175	1.2	177	.067										
40	1.2D + 1.5..	Yes	Y		1	1.2	39	1.5	4	.067	175	1.2	178	.067										
41	1.2D + 1.5..	Yes	Y		1	1.2	39	1.5	5	.067	175	1.2	179	.067										
42	1.2D + 1.5..	Yes	Y		1	1.2	39	1.5	6	.067	175	1.2	180	.067										
43	1.2D + 1.5..	Yes	Y		1	1.2	39	1.5	7	.067	175	1.2	181	.067										
44	1.2D + 1.5..	Yes	Y		1	1.2	39	1.5	8	.067	175	1.2	182	.067										
45	1.2D + 1.5..	Yes	Y		1	1.2	39	1.5	9	.067	175	1.2	183	.067										
46	1.2D + 1.5..	Yes	Y		1	1.2	39	1.5	10	.067	175	1.2	184	.067										
47	1.2D + 1.5..	Yes	Y		1	1.2	39	1.5	11	.067	175	1.2	185	.067										
48	1.2D + 1.5..	Yes	Y		1	1.2	39	1.5	12	.067	175	1.2	186	.067										
49	1.2D + 1.5..	Yes	Y		1	1.2	39	1.5	13	.067	175	1.2	187	.067										
50	1.2D + 1.5..		Y		1	1.2	40	1.5	2	.067	175	1.2	176	.067										
51	1.2D + 1.5..		Y		1	1.2	40	1.5	3	.067	175	1.2	177	.067										
52	1.2D + 1.5..		Y		1	1.2	40	1.5	4	.067	175	1.2	178	.067										
53	1.2D + 1.5..		Y		1	1.2	40	1.5	5	.067	175	1.2	179	.067										
54	1.2D + 1.5..		Y		1	1.2	40	1.5	6	.067	175	1.2	180	.067										
55	1.2D + 1.5..		Y		1	1.2	40	1.5	7	.067	175	1.2	181	.067										
56	1.2D + 1.5..		Y		1	1.2	40	1.5	8	.067	175	1.2	182	.067										
57	1.2D + 1.5..		Y		1	1.2	40	1.5	9	.067	175	1.2	183	.067										
58	1.2D + 1.5..		Y		1	1.2	40	1.5	10	.067	175	1.2	184	.067										
59	1.2D + 1.5..		Y		1	1.2	40	1.5	11	.067	175	1.2	185	.067										
60	1.2D + 1.5..		Y		1	1.2	40	1.5	12	.067	175	1.2	186	.067										
61	1.2D + 1.5..		Y		1	1.2	40	1.5	13	.067	175	1.2	187	.067										

Load Combinations (Continued)

	Description	Sol..	PD..	SR..	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...
62	1.2D + 1.5..		Y		1	1.2	41	1.5	2	.067	175	1.2	176	.067										
63	1.2D + 1.5..		Y		1	1.2	41	1.5	3	.067	175	1.2	177	.067										
64	1.2D + 1.5..		Y		1	1.2	41	1.5	4	.067	175	1.2	178	.067										
65	1.2D + 1.5..		Y		1	1.2	41	1.5	5	.067	175	1.2	179	.067										
66	1.2D + 1.5..		Y		1	1.2	41	1.5	6	.067	175	1.2	180	.067										
67	1.2D + 1.5..		Y		1	1.2	41	1.5	7	.067	175	1.2	181	.067										
68	1.2D + 1.5..		Y		1	1.2	41	1.5	8	.067	175	1.2	182	.067										
69	1.2D + 1.5..		Y		1	1.2	41	1.5	9	.067	175	1.2	183	.067										
70	1.2D + 1.5..		Y		1	1.2	41	1.5	10	.067	175	1.2	184	.067										
71	1.2D + 1.5..		Y		1	1.2	41	1.5	11	.067	175	1.2	185	.067										
72	1.2D + 1.5..		Y		1	1.2	41	1.5	12	.067	175	1.2	186	.067										
73	1.2D + 1.5..		Y		1	1.2	41	1.5	13	.067	175	1.2	187	.067										
74	1.2D + 1.5..		Y		1	1.2	42	1.5	2	.067	175	1.2	176	.067										
75	1.2D + 1.5..		Y		1	1.2	42	1.5	3	.067	175	1.2	177	.067										
76	1.2D + 1.5..		Y		1	1.2	42	1.5	4	.067	175	1.2	178	.067										
77	1.2D + 1.5..		Y		1	1.2	42	1.5	5	.067	175	1.2	179	.067										
78	1.2D + 1.5..		Y		1	1.2	42	1.5	6	.067	175	1.2	180	.067										
79	1.2D + 1.5..		Y		1	1.2	42	1.5	7	.067	175	1.2	181	.067										
80	1.2D + 1.5..		Y		1	1.2	42	1.5	8	.067	175	1.2	182	.067										
81	1.2D + 1.5..		Y		1	1.2	42	1.5	9	.067	175	1.2	183	.067										
82	1.2D + 1.5..		Y		1	1.2	42	1.5	10	.067	175	1.2	184	.067										
83	1.2D + 1.5..		Y		1	1.2	42	1.5	11	.067	175	1.2	185	.067										
84	1.2D + 1.5..		Y		1	1.2	42	1.5	12	.067	175	1.2	186	.067										
85	1.2D + 1.5..		Y		1	1.2	42	1.5	13	.067	175	1.2	187	.067										
86	1.2D + 1.5..		Y		1	1.2	43	1.5	2	.067	175	1.2	176	.067										
87	1.2D + 1.5..		Y		1	1.2	43	1.5	3	.067	175	1.2	177	.067										
88	1.2D + 1.5..		Y		1	1.2	43	1.5	4	.067	175	1.2	178	.067										
89	1.2D + 1.5..		Y		1	1.2	43	1.5	5	.067	175	1.2	179	.067										
90	1.2D + 1.5..		Y		1	1.2	43	1.5	6	.067	175	1.2	180	.067										
91	1.2D + 1.5..		Y		1	1.2	43	1.5	7	.067	175	1.2	181	.067										
92	1.2D + 1.5..		Y		1	1.2	43	1.5	8	.067	175	1.2	182	.067										
93	1.2D + 1.5..		Y		1	1.2	43	1.5	9	.067	175	1.2	183	.067										
94	1.2D + 1.5..		Y		1	1.2	43	1.5	10	.067	175	1.2	184	.067										
95	1.2D + 1.5..		Y		1	1.2	43	1.5	11	.067	175	1.2	185	.067										
96	1.2D + 1.5..		Y		1	1.2	43	1.5	12	.067	175	1.2	186	.067										
97	1.2D + 1.5..		Y		1	1.2	43	1.5	13	.067	175	1.2	187	.067										
98	1.2D + 1.5..		Y		1	1.2	44	1.5	2	.067	175	1.2	176	.067										
99	1.2D + 1.5..		Y		1	1.2	44	1.5	3	.067	175	1.2	177	.067										
100	1.2D + 1.5..		Y		1	1.2	44	1.5	4	.067	175	1.2	178	.067										
101	1.2D + 1.5..		Y		1	1.2	44	1.5	5	.067	175	1.2	179	.067										
102	1.2D + 1.5..		Y		1	1.2	44	1.5	6	.067	175	1.2	180	.067										
103	1.2D + 1.5..		Y		1	1.2	44	1.5	7	.067	175	1.2	181	.067										
104	1.2D + 1.5..		Y		1	1.2	44	1.5	8	.067	175	1.2	182	.067										
105	1.2D + 1.5..		Y		1	1.2	44	1.5	9	.067	175	1.2	183	.067										
106	1.2D + 1.5..		Y		1	1.2	44	1.5	10	.067	175	1.2	184	.067										
107	1.2D + 1.5..		Y		1	1.2	44	1.5	11	.067	175	1.2	185	.067										
108	1.2D + 1.5..		Y		1	1.2	44	1.5	12	.067	175	1.2	186	.067										
109	1.2D + 1.5..		Y		1	1.2	44	1.5	13	.067	175	1.2	187	.067										
110	1.2D + 1.5..		Y		1	1.2	45	1.5	2	.067	175	1.2	176	.067										
111	1.2D + 1.5..		Y		1	1.2	45	1.5	3	.067	175	1.2	177	.067										
112	1.2D + 1.5..		Y		1	1.2	45	1.5	4	.067	175	1.2	178	.067										
113	1.2D + 1.5..		Y		1	1.2	45	1.5	5	.067	175	1.2	179	.067										
114	1.2D + 1.5..		Y		1	1.2	45	1.5	6	.067	175	1.2	180	.067										
115	1.2D + 1.5..		Y		1	1.2	45	1.5	7	.067	175	1.2	181	.067										
116	1.2D + 1.5..		Y		1	1.2	45	1.5	8	.067	175	1.2	182	.067										
117	1.2D + 1.5..		Y		1	1.2	45	1.5	9	.067	175	1.2	183	.067										
118	1.2D + 1.5..		Y		1	1.2	45	1.5	10	.067	175	1.2	184	.067										

Load Combinations (Continued)

	Description	Sol..	PD..	SR..	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...
119	1.2D + 1.5..		Y		1	1.2	45	1.5	11	.067	175	1.2	185	.067										
120	1.2D + 1.5..		Y		1	1.2	45	1.5	12	.067	175	1.2	186	.067										
121	1.2D + 1.5..		Y		1	1.2	45	1.5	13	.067	175	1.2	187	.067										
122	1.2D + 1.5..		Y		1	1.2	46	1.5	2	.067	175	1.2	176	.067										
123	1.2D + 1.5..		Y		1	1.2	46	1.5	3	.067	175	1.2	177	.067										
124	1.2D + 1.5..		Y		1	1.2	46	1.5	4	.067	175	1.2	178	.067										
125	1.2D + 1.5..		Y		1	1.2	46	1.5	5	.067	175	1.2	179	.067										
126	1.2D + 1.5..		Y		1	1.2	46	1.5	6	.067	175	1.2	180	.067										
127	1.2D + 1.5..		Y		1	1.2	46	1.5	7	.067	175	1.2	181	.067										
128	1.2D + 1.5..		Y		1	1.2	46	1.5	8	.067	175	1.2	182	.067										
129	1.2D + 1.5..		Y		1	1.2	46	1.5	9	.067	175	1.2	183	.067										
130	1.2D + 1.5..		Y		1	1.2	46	1.5	10	.067	175	1.2	184	.067										
131	1.2D + 1.5..		Y		1	1.2	46	1.5	11	.067	175	1.2	185	.067										
132	1.2D + 1.5..		Y		1	1.2	46	1.5	12	.067	175	1.2	186	.067										
133	1.2D + 1.5..		Y		1	1.2	46	1.5	13	.067	175	1.2	187	.067										
134	1.2D + 1.5..		Y		1	1.2	47	1.5	2	.067	175	1.2	176	.067										
135	1.2D + 1.5..		Y		1	1.2	47	1.5	3	.067	175	1.2	177	.067										
136	1.2D + 1.5..		Y		1	1.2	47	1.5	4	.067	175	1.2	178	.067										
137	1.2D + 1.5..		Y		1	1.2	47	1.5	5	.067	175	1.2	179	.067										
138	1.2D + 1.5..		Y		1	1.2	47	1.5	6	.067	175	1.2	180	.067										
139	1.2D + 1.5..		Y		1	1.2	47	1.5	7	.067	175	1.2	181	.067										
140	1.2D + 1.5..		Y		1	1.2	47	1.5	8	.067	175	1.2	182	.067										
141	1.2D + 1.5..		Y		1	1.2	47	1.5	9	.067	175	1.2	183	.067										
142	1.2D + 1.5..		Y		1	1.2	47	1.5	10	.067	175	1.2	184	.067										
143	1.2D + 1.5..		Y		1	1.2	47	1.5	11	.067	175	1.2	185	.067										
144	1.2D + 1.5..		Y		1	1.2	47	1.5	12	.067	175	1.2	186	.067										
145	1.2D + 1.5..		Y		1	1.2	47	1.5	13	.067	175	1.2	187	.067										
146	1.2D + 1.5..		Y		1	1.2	48	1.5	2	.067	175	1.2	176	.067										
147	1.2D + 1.5..		Y		1	1.2	48	1.5	3	.067	175	1.2	177	.067										
148	1.2D + 1.5..		Y		1	1.2	48	1.5	4	.067	175	1.2	178	.067										
149	1.2D + 1.5..		Y		1	1.2	48	1.5	5	.067	175	1.2	179	.067										
150	1.2D + 1.5..		Y		1	1.2	48	1.5	6	.067	175	1.2	180	.067										
151	1.2D + 1.5..		Y		1	1.2	48	1.5	7	.067	175	1.2	181	.067										
152	1.2D + 1.5..		Y		1	1.2	48	1.5	8	.067	175	1.2	182	.067										
153	1.2D + 1.5..		Y		1	1.2	48	1.5	9	.067	175	1.2	183	.067										
154	1.2D + 1.5..		Y		1	1.2	48	1.5	10	.067	175	1.2	184	.067										
155	1.2D + 1.5..		Y		1	1.2	48	1.5	11	.067	175	1.2	185	.067										
156	1.2D + 1.5..		Y		1	1.2	48	1.5	12	.067	175	1.2	186	.067										
157	1.2D + 1.5..		Y		1	1.2	48	1.5	13	.067	175	1.2	187	.067										
158	1.2D + 1.5..		Y		1	1.2	49	1.5	2	.067	175	1.2	176	.067										
159	1.2D + 1.5..		Y		1	1.2	49	1.5	3	.067	175	1.2	177	.067										
160	1.2D + 1.5..		Y		1	1.2	49	1.5	4	.067	175	1.2	178	.067										
161	1.2D + 1.5..		Y		1	1.2	49	1.5	5	.067	175	1.2	179	.067										
162	1.2D + 1.5..		Y		1	1.2	49	1.5	6	.067	175	1.2	180	.067										
163	1.2D + 1.5..		Y		1	1.2	49	1.5	7	.067	175	1.2	181	.067										
164	1.2D + 1.5..		Y		1	1.2	49	1.5	8	.067	175	1.2	182	.067										
165	1.2D + 1.5..		Y		1	1.2	49	1.5	9	.067	175	1.2	183	.067										
166	1.2D + 1.5..		Y		1	1.2	49	1.5	10	.067	175	1.2	184	.067										
167	1.2D + 1.5..		Y		1	1.2	49	1.5	11	.067	175	1.2	185	.067										
168	1.2D + 1.5..		Y		1	1.2	49	1.5	12	.067	175	1.2	186	.067										
169	1.2D + 1.5..		Y		1	1.2	49	1.5	13	.067	175	1.2	187	.067										
170	1.2D + 1.5..		Y		1	1.2	50	1.5	2	.067	175	1.2	176	.067										
171	1.2D + 1.5..		Y		1	1.2	50	1.5	3	.067	175	1.2	177	.067										
172	1.2D + 1.5..		Y		1	1.2	50	1.5	4	.067	175	1.2	178	.067										
173	1.2D + 1.5..		Y		1	1.2	50	1.5	5	.067	175	1.2	179	.067										
174	1.2D + 1.5..		Y		1	1.2	50	1.5	6	.067	175	1.2	180	.067										
175	1.2D + 1.5..		Y		1	1.2	50	1.5	7	.067	175	1.2	181	.067										

Load Combinations (Continued)

	Description	Sol..	PD..	SR..	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...
176	1.2D + 1.5..		Y		1	1.2	50	1.5	8	.067	175	1.2	182	.067										
177	1.2D + 1.5..		Y		1	1.2	50	1.5	9	.067	175	1.2	183	.067										
178	1.2D + 1.5..		Y		1	1.2	50	1.5	10	.067	175	1.2	184	.067										
179	1.2D + 1.5..		Y		1	1.2	50	1.5	11	.067	175	1.2	185	.067										
180	1.2D + 1.5..		Y		1	1.2	50	1.5	12	.067	175	1.2	186	.067										
181	1.2D + 1.5..		Y		1	1.2	50	1.5	13	.067	175	1.2	187	.067										
182	1.2D + 1.5..		Y		1	1.2	51	1.5	2	.067	175	1.2	176	.067										
183	1.2D + 1.5..		Y		1	1.2	51	1.5	3	.067	175	1.2	177	.067										
184	1.2D + 1.5..		Y		1	1.2	51	1.5	4	.067	175	1.2	178	.067										
185	1.2D + 1.5..		Y		1	1.2	51	1.5	5	.067	175	1.2	179	.067										
186	1.2D + 1.5..		Y		1	1.2	51	1.5	6	.067	175	1.2	180	.067										
187	1.2D + 1.5..		Y		1	1.2	51	1.5	7	.067	175	1.2	181	.067										
188	1.2D + 1.5..		Y		1	1.2	51	1.5	8	.067	175	1.2	182	.067										
189	1.2D + 1.5..		Y		1	1.2	51	1.5	9	.067	175	1.2	183	.067										
190	1.2D + 1.5..		Y		1	1.2	51	1.5	10	.067	175	1.2	184	.067										
191	1.2D + 1.5..		Y		1	1.2	51	1.5	11	.067	175	1.2	185	.067										
192	1.2D + 1.5..		Y		1	1.2	51	1.5	12	.067	175	1.2	186	.067										
193	1.2D + 1.5..		Y		1	1.2	51	1.5	13	.067	175	1.2	187	.067										
194	1.2D + 1.5..		Y		1	1.2	52	1.5	2	.067	175	1.2	176	.067										
195	1.2D + 1.5..		Y		1	1.2	52	1.5	3	.067	175	1.2	177	.067										
196	1.2D + 1.5..		Y		1	1.2	52	1.5	4	.067	175	1.2	178	.067										
197	1.2D + 1.5..		Y		1	1.2	52	1.5	5	.067	175	1.2	179	.067										
198	1.2D + 1.5..		Y		1	1.2	52	1.5	6	.067	175	1.2	180	.067										
199	1.2D + 1.5..		Y		1	1.2	52	1.5	7	.067	175	1.2	181	.067										
200	1.2D + 1.5..		Y		1	1.2	52	1.5	8	.067	175	1.2	182	.067										
201	1.2D + 1.5..		Y		1	1.2	52	1.5	9	.067	175	1.2	183	.067										
202	1.2D + 1.5..		Y		1	1.2	52	1.5	10	.067	175	1.2	184	.067										
203	1.2D + 1.5..		Y		1	1.2	52	1.5	11	.067	175	1.2	185	.067										
204	1.2D + 1.5..		Y		1	1.2	52	1.5	12	.067	175	1.2	186	.067										
205	1.2D + 1.5..		Y		1	1.2	52	1.5	13	.067	175	1.2	187	.067										
206	1.2D + 1.5..		Y		1	1.2	53	1.5	2	.067	175	1.2	176	.067										
207	1.2D + 1.5..		Y		1	1.2	53	1.5	3	.067	175	1.2	177	.067										
208	1.2D + 1.5..		Y		1	1.2	53	1.5	4	.067	175	1.2	178	.067										
209	1.2D + 1.5..		Y		1	1.2	53	1.5	5	.067	175	1.2	179	.067										
210	1.2D + 1.5..		Y		1	1.2	53	1.5	6	.067	175	1.2	180	.067										
211	1.2D + 1.5..		Y		1	1.2	53	1.5	7	.067	175	1.2	181	.067										
212	1.2D + 1.5..		Y		1	1.2	53	1.5	8	.067	175	1.2	182	.067										
213	1.2D + 1.5..		Y		1	1.2	53	1.5	9	.067	175	1.2	183	.067										
214	1.2D + 1.5..		Y		1	1.2	53	1.5	10	.067	175	1.2	184	.067										
215	1.2D + 1.5..		Y		1	1.2	53	1.5	11	.067	175	1.2	185	.067										
216	1.2D + 1.5..		Y		1	1.2	53	1.5	12	.067	175	1.2	186	.067										
217	1.2D + 1.5..		Y		1	1.2	53	1.5	13	.067	175	1.2	187	.067										
218	1.2D + 1.5..		Y		1	1.2	54	1.5	2	.067	175	1.2	176	.067										
219	1.2D + 1.5..		Y		1	1.2	54	1.5	3	.067	175	1.2	177	.067										
220	1.2D + 1.5..		Y		1	1.2	54	1.5	4	.067	175	1.2	178	.067										
221	1.2D + 1.5..		Y		1	1.2	54	1.5	5	.067	175	1.2	179	.067										
222	1.2D + 1.5..		Y		1	1.2	54	1.5	6	.067	175	1.2	180	.067										
223	1.2D + 1.5..		Y		1	1.2	54	1.5	7	.067	175	1.2	181	.067										
224	1.2D + 1.5..		Y		1	1.2	54	1.5	8	.067	175	1.2	182	.067										
225	1.2D + 1.5..		Y		1	1.2	54	1.5	9	.067	175	1.2	183	.067										
226	1.2D + 1.5..		Y		1	1.2	54	1.5	10	.067	175	1.2	184	.067										
227	1.2D + 1.5..		Y		1	1.2	54	1.5	11	.067	175	1.2	185	.067										
228	1.2D + 1.5..		Y		1	1.2	54	1.5	12	.067	175	1.2	186	.067										
229	1.2D + 1.5..		Y		1	1.2	54	1.5	13	.067	175	1.2	187	.067										
230	1.2D + 1.5..		Y		1	1.2	55	1.5	2	.067	175	1.2	176	.067										
231	1.2D + 1.5..		Y		1	1.2	55	1.5	3	.067	175	1.2	177	.067										
232	1.2D + 1.5..		Y		1	1.2	55	1.5	4	.067	175	1.2	178	.067										

Load Combinations (Continued)

	Description	Sol..	PD..	SR..	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...
233	1.2D + 1.5..		Y		1	1.2	55	1.5	5	.067	175	1.2	179	.067										
234	1.2D + 1.5..		Y		1	1.2	55	1.5	6	.067	175	1.2	180	.067										
235	1.2D + 1.5..		Y		1	1.2	55	1.5	7	.067	175	1.2	181	.067										
236	1.2D + 1.5..		Y		1	1.2	55	1.5	8	.067	175	1.2	182	.067										
237	1.2D + 1.5..		Y		1	1.2	55	1.5	9	.067	175	1.2	183	.067										
238	1.2D + 1.5..		Y		1	1.2	55	1.5	10	.067	175	1.2	184	.067										
239	1.2D + 1.5..		Y		1	1.2	55	1.5	11	.067	175	1.2	185	.067										
240	1.2D + 1.5..		Y		1	1.2	55	1.5	12	.067	175	1.2	186	.067										
241	1.2D + 1.5..		Y		1	1.2	55	1.5	13	.067	175	1.2	187	.067										
242	1.2D + 1.5..		Y		1	1.2	56	1.5	2	.067	175	1.2	176	.067										
243	1.2D + 1.5..		Y		1	1.2	56	1.5	3	.067	175	1.2	177	.067										
244	1.2D + 1.5..		Y		1	1.2	56	1.5	4	.067	175	1.2	178	.067										
245	1.2D + 1.5..		Y		1	1.2	56	1.5	5	.067	175	1.2	179	.067										
246	1.2D + 1.5..		Y		1	1.2	56	1.5	6	.067	175	1.2	180	.067										
247	1.2D + 1.5..		Y		1	1.2	56	1.5	7	.067	175	1.2	181	.067										
248	1.2D + 1.5..		Y		1	1.2	56	1.5	8	.067	175	1.2	182	.067										
249	1.2D + 1.5..		Y		1	1.2	56	1.5	9	.067	175	1.2	183	.067										
250	1.2D + 1.5..		Y		1	1.2	56	1.5	10	.067	175	1.2	184	.067										
251	1.2D + 1.5..		Y		1	1.2	56	1.5	11	.067	175	1.2	185	.067										
252	1.2D + 1.5..		Y		1	1.2	56	1.5	12	.067	175	1.2	186	.067										
253	1.2D + 1.5..		Y		1	1.2	56	1.5	13	.067	175	1.2	187	.067										
254	1.2D + 1.5..		Y		1	1.2	57	1.5	2	.067	175	1.2	176	.067										
255	1.2D + 1.5..		Y		1	1.2	57	1.5	3	.067	175	1.2	177	.067										
256	1.2D + 1.5..		Y		1	1.2	57	1.5	4	.067	175	1.2	178	.067										
257	1.2D + 1.5..		Y		1	1.2	57	1.5	5	.067	175	1.2	179	.067										
258	1.2D + 1.5..		Y		1	1.2	57	1.5	6	.067	175	1.2	180	.067										
259	1.2D + 1.5..		Y		1	1.2	57	1.5	7	.067	175	1.2	181	.067										
260	1.2D + 1.5..		Y		1	1.2	57	1.5	8	.067	175	1.2	182	.067										
261	1.2D + 1.5..		Y		1	1.2	57	1.5	9	.067	175	1.2	183	.067										
262	1.2D + 1.5..		Y		1	1.2	57	1.5	10	.067	175	1.2	184	.067										
263	1.2D + 1.5..		Y		1	1.2	57	1.5	11	.067	175	1.2	185	.067										
264	1.2D + 1.5..		Y		1	1.2	57	1.5	12	.067	175	1.2	186	.067										
265	1.2D + 1.5..		Y		1	1.2	57	1.5	13	.067	175	1.2	187	.067										
266	1.2D + 1.5..		Y		1	1.2	58	1.5	2	.067	175	1.2	176	.067										
267	1.2D + 1.5..		Y		1	1.2	58	1.5	3	.067	175	1.2	177	.067										
268	1.2D + 1.5..		Y		1	1.2	58	1.5	4	.067	175	1.2	178	.067										
269	1.2D + 1.5..		Y		1	1.2	58	1.5	5	.067	175	1.2	179	.067										
270	1.2D + 1.5..		Y		1	1.2	58	1.5	6	.067	175	1.2	180	.067										
271	1.2D + 1.5..		Y		1	1.2	58	1.5	7	.067	175	1.2	181	.067										
272	1.2D + 1.5..		Y		1	1.2	58	1.5	8	.067	175	1.2	182	.067										
273	1.2D + 1.5..		Y		1	1.2	58	1.5	9	.067	175	1.2	183	.067										
274	1.2D + 1.5..		Y		1	1.2	58	1.5	10	.067	175	1.2	184	.067										
275	1.2D + 1.5..		Y		1	1.2	58	1.5	11	.067	175	1.2	185	.067										
276	1.2D + 1.5..		Y		1	1.2	58	1.5	12	.067	175	1.2	186	.067										
277	1.2D + 1.5..		Y		1	1.2	58	1.5	13	.067	175	1.2	187	.067										
278	1.2D + 1.5..		Y		1	1.2	59	1.5	2	.067	175	1.2	176	.067										
279	1.2D + 1.5..		Y		1	1.2	59	1.5	3	.067	175	1.2	177	.067										
280	1.2D + 1.5..		Y		1	1.2	59	1.5	4	.067	175	1.2	178	.067										
281	1.2D + 1.5..		Y		1	1.2	59	1.5	5	.067	175	1.2	179	.067										
282	1.2D + 1.5..		Y		1	1.2	59	1.5	6	.067	175	1.2	180	.067										
283	1.2D + 1.5..		Y		1	1.2	59	1.5	7	.067	175	1.2	181	.067										
284	1.2D + 1.5..		Y		1	1.2	59	1.5	8	.067	175	1.2	182	.067										
285	1.2D + 1.5..		Y		1	1.2	59	1.5	9	.067	175	1.2	183	.067										
286	1.2D + 1.5..		Y		1	1.2	59	1.5	10	.067	175	1.2	184	.067										
287	1.2D + 1.5..		Y		1	1.2	59	1.5	11	.067	175	1.2	185	.067										
288	1.2D + 1.5..		Y		1	1.2	59	1.5	12	.067	175	1.2	186	.067										
289	1.2D + 1.5..		Y		1	1.2	59	1.5	13	.067	175	1.2	187	.067										

Load Combinations (Continued)

	Description	Sol..	PD..	SR..	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...
290	1.2D + 1.5..		Y		1	1.2	60	1.5	2	.067	175	1.2	176	.067										
291	1.2D + 1.5..		Y		1	1.2	60	1.5	3	.067	175	1.2	177	.067										
292	1.2D + 1.5..		Y		1	1.2	60	1.5	4	.067	175	1.2	178	.067										
293	1.2D + 1.5..		Y		1	1.2	60	1.5	5	.067	175	1.2	179	.067										
294	1.2D + 1.5..		Y		1	1.2	60	1.5	6	.067	175	1.2	180	.067										
295	1.2D + 1.5..		Y		1	1.2	60	1.5	7	.067	175	1.2	181	.067										
296	1.2D + 1.5..		Y		1	1.2	60	1.5	8	.067	175	1.2	182	.067										
297	1.2D + 1.5..		Y		1	1.2	60	1.5	9	.067	175	1.2	183	.067										
298	1.2D + 1.5..		Y		1	1.2	60	1.5	10	.067	175	1.2	184	.067										
299	1.2D + 1.5..		Y		1	1.2	60	1.5	11	.067	175	1.2	185	.067										
300	1.2D + 1.5..		Y		1	1.2	60	1.5	12	.067	175	1.2	186	.067										
301	1.2D + 1.5..		Y		1	1.2	60	1.5	13	.067	175	1.2	187	.067										
302	1.2D + 1.5..		Y		1	1.2	61	1.5	2	.067	175	1.2	176	.067										
303	1.2D + 1.5..		Y		1	1.2	61	1.5	3	.067	175	1.2	177	.067										
304	1.2D + 1.5..		Y		1	1.2	61	1.5	4	.067	175	1.2	178	.067										
305	1.2D + 1.5..		Y		1	1.2	61	1.5	5	.067	175	1.2	179	.067										
306	1.2D + 1.5..		Y		1	1.2	61	1.5	6	.067	175	1.2	180	.067										
307	1.2D + 1.5..		Y		1	1.2	61	1.5	7	.067	175	1.2	181	.067										
308	1.2D + 1.5..		Y		1	1.2	61	1.5	8	.067	175	1.2	182	.067										
309	1.2D + 1.5..		Y		1	1.2	61	1.5	9	.067	175	1.2	183	.067										
310	1.2D + 1.5..		Y		1	1.2	61	1.5	10	.067	175	1.2	184	.067										
311	1.2D + 1.5..		Y		1	1.2	61	1.5	11	.067	175	1.2	185	.067										
312	1.2D + 1.5..		Y		1	1.2	61	1.5	12	.067	175	1.2	186	.067										
313	1.2D + 1.5..		Y		1	1.2	61	1.5	13	.067	175	1.2	187	.067										
314	1.2D + 1.5..		Y		1	1.2	62	1.5	2	.067	175	1.2	176	.067										
315	1.2D + 1.5..		Y		1	1.2	62	1.5	3	.067	175	1.2	177	.067										
316	1.2D + 1.5..		Y		1	1.2	62	1.5	4	.067	175	1.2	178	.067										
317	1.2D + 1.5..		Y		1	1.2	62	1.5	5	.067	175	1.2	179	.067										
318	1.2D + 1.5..		Y		1	1.2	62	1.5	6	.067	175	1.2	180	.067										
319	1.2D + 1.5..		Y		1	1.2	62	1.5	7	.067	175	1.2	181	.067										
320	1.2D + 1.5..		Y		1	1.2	62	1.5	8	.067	175	1.2	182	.067										
321	1.2D + 1.5..		Y		1	1.2	62	1.5	9	.067	175	1.2	183	.067										
322	1.2D + 1.5..		Y		1	1.2	62	1.5	10	.067	175	1.2	184	.067										
323	1.2D + 1.5..		Y		1	1.2	62	1.5	11	.067	175	1.2	185	.067										
324	1.2D + 1.5..		Y		1	1.2	62	1.5	12	.067	175	1.2	186	.067										
325	1.2D + 1.5..		Y		1	1.2	62	1.5	13	.067	175	1.2	187	.067										
326	1.2D + 1.5..		Y		1	1.2	63	1.5	2	.067	175	1.2	176	.067										
327	1.2D + 1.5..		Y		1	1.2	63	1.5	3	.067	175	1.2	177	.067										
328	1.2D + 1.5..		Y		1	1.2	63	1.5	4	.067	175	1.2	178	.067										
329	1.2D + 1.5..		Y		1	1.2	63	1.5	5	.067	175	1.2	179	.067										
330	1.2D + 1.5..		Y		1	1.2	63	1.5	6	.067	175	1.2	180	.067										
331	1.2D + 1.5..		Y		1	1.2	63	1.5	7	.067	175	1.2	181	.067										
332	1.2D + 1.5..		Y		1	1.2	63	1.5	8	.067	175	1.2	182	.067										
333	1.2D + 1.5..		Y		1	1.2	63	1.5	9	.067	175	1.2	183	.067										
334	1.2D + 1.5..		Y		1	1.2	63	1.5	10	.067	175	1.2	184	.067										
335	1.2D + 1.5..		Y		1	1.2	63	1.5	11	.067	175	1.2	185	.067										
336	1.2D + 1.5..		Y		1	1.2	63	1.5	12	.067	175	1.2	186	.067										
337	1.2D + 1.5..		Y		1	1.2	63	1.5	13	.067	175	1.2	187	.067										
338	1.2D + 1.5..		Y		1	1.2	64	1.5	2	.067	175	1.2	176	.067										
339	1.2D + 1.5..		Y		1	1.2	64	1.5	3	.067	175	1.2	177	.067										
340	1.2D + 1.5..		Y		1	1.2	64	1.5	4	.067	175	1.2	178	.067										
341	1.2D + 1.5..		Y		1	1.2	64	1.5	5	.067	175	1.2	179	.067										
342	1.2D + 1.5..		Y		1	1.2	64	1.5	6	.067	175	1.2	180	.067										
343	1.2D + 1.5..		Y		1	1.2	64	1.5	7	.067	175	1.2	181	.067										
344	1.2D + 1.5..		Y		1	1.2	64	1.5	8	.067	175	1.2	182	.067										
345	1.2D + 1.5..		Y		1	1.2	64	1.5	9	.067	175	1.2	183	.067										
346	1.2D + 1.5..		Y		1	1.2	64	1.5	10	.067	175	1.2	184	.067										

Load Combinations (Continued)

	Description	Sol..	PD..	SR..	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...
347	1.2D + 1.5..		Y		1	1.2	64	1.5	11	.067	175	1.2	185	.067										
348	1.2D + 1.5..		Y		1	1.2	64	1.5	12	.067	175	1.2	186	.067										
349	1.2D + 1.5..		Y		1	1.2	64	1.5	13	.067	175	1.2	187	.067										
350	1.2D + 1.5..		Y		1	1.2	65	1.5	2	.067	175	1.2	176	.067										
351	1.2D + 1.5..		Y		1	1.2	65	1.5	3	.067	175	1.2	177	.067										
352	1.2D + 1.5..		Y		1	1.2	65	1.5	4	.067	175	1.2	178	.067										
353	1.2D + 1.5..		Y		1	1.2	65	1.5	5	.067	175	1.2	179	.067										
354	1.2D + 1.5..		Y		1	1.2	65	1.5	6	.067	175	1.2	180	.067										
355	1.2D + 1.5..		Y		1	1.2	65	1.5	7	.067	175	1.2	181	.067										
356	1.2D + 1.5..		Y		1	1.2	65	1.5	8	.067	175	1.2	182	.067										
357	1.2D + 1.5..		Y		1	1.2	65	1.5	9	.067	175	1.2	183	.067										
358	1.2D + 1.5..		Y		1	1.2	65	1.5	10	.067	175	1.2	184	.067										
359	1.2D + 1.5..		Y		1	1.2	65	1.5	11	.067	175	1.2	185	.067										
360	1.2D + 1.5..		Y		1	1.2	65	1.5	12	.067	175	1.2	186	.067										
361	1.2D + 1.5..		Y		1	1.2	65	1.5	13	.067	175	1.2	187	.067										
362	1.2D + 1.5..		Y		1	1.2	66	1.5	2	.067	175	1.2	176	.067										
363	1.2D + 1.5..		Y		1	1.2	66	1.5	3	.067	175	1.2	177	.067										
364	1.2D + 1.5..		Y		1	1.2	66	1.5	4	.067	175	1.2	178	.067										
365	1.2D + 1.5..		Y		1	1.2	66	1.5	5	.067	175	1.2	179	.067										
366	1.2D + 1.5..		Y		1	1.2	66	1.5	6	.067	175	1.2	180	.067										
367	1.2D + 1.5..		Y		1	1.2	66	1.5	7	.067	175	1.2	181	.067										
368	1.2D + 1.5..		Y		1	1.2	66	1.5	8	.067	175	1.2	182	.067										
369	1.2D + 1.5..		Y		1	1.2	66	1.5	9	.067	175	1.2	183	.067										
370	1.2D + 1.5..		Y		1	1.2	66	1.5	10	.067	175	1.2	184	.067										
371	1.2D + 1.5..		Y		1	1.2	66	1.5	11	.067	175	1.2	185	.067										
372	1.2D + 1.5..		Y		1	1.2	66	1.5	12	.067	175	1.2	186	.067										
373	1.2D + 1.5..		Y		1	1.2	66	1.5	13	.067	175	1.2	187	.067										
374	1.2D + 1.5..		Y		1	1.2	67	1.5	2	.067	175	1.2	176	.067										
375	1.2D + 1.5..		Y		1	1.2	67	1.5	3	.067	175	1.2	177	.067										
376	1.2D + 1.5..		Y		1	1.2	67	1.5	4	.067	175	1.2	178	.067										
377	1.2D + 1.5..		Y		1	1.2	67	1.5	5	.067	175	1.2	179	.067										
378	1.2D + 1.5..		Y		1	1.2	67	1.5	6	.067	175	1.2	180	.067										
379	1.2D + 1.5..		Y		1	1.2	67	1.5	7	.067	175	1.2	181	.067										
380	1.2D + 1.5..		Y		1	1.2	67	1.5	8	.067	175	1.2	182	.067										
381	1.2D + 1.5..		Y		1	1.2	67	1.5	9	.067	175	1.2	183	.067										
382	1.2D + 1.5..		Y		1	1.2	67	1.5	10	.067	175	1.2	184	.067										
383	1.2D + 1.5..		Y		1	1.2	67	1.5	11	.067	175	1.2	185	.067										
384	1.2D + 1.5..		Y		1	1.2	67	1.5	12	.067	175	1.2	186	.067										
385	1.2D + 1.5..		Y		1	1.2	67	1.5	13	.067	175	1.2	187	.067										
386	1.2D + 1.5..		Y		1	1.2	68	1.5	2	.067	175	1.2	176	.067										
387	1.2D + 1.5..		Y		1	1.2	68	1.5	3	.067	175	1.2	177	.067										
388	1.2D + 1.5..		Y		1	1.2	68	1.5	4	.067	175	1.2	178	.067										
389	1.2D + 1.5..		Y		1	1.2	68	1.5	5	.067	175	1.2	179	.067										
390	1.2D + 1.5..		Y		1	1.2	68	1.5	6	.067	175	1.2	180	.067										
391	1.2D + 1.5..		Y		1	1.2	68	1.5	7	.067	175	1.2	181	.067										
392	1.2D + 1.5..		Y		1	1.2	68	1.5	8	.067	175	1.2	182	.067										
393	1.2D + 1.5..		Y		1	1.2	68	1.5	9	.067	175	1.2	183	.067										
394	1.2D + 1.5..		Y		1	1.2	68	1.5	10	.067	175	1.2	184	.067										
395	1.2D + 1.5..		Y		1	1.2	68	1.5	11	.067	175	1.2	185	.067										
396	1.2D + 1.5..		Y		1	1.2	68	1.5	12	.067	175	1.2	186	.067										
397	1.2D + 1.5..		Y		1	1.2	68	1.5	13	.067	175	1.2	187	.067										
398	1.2D + 1.5..		Y		1	1.2	69	1.5	2	.067	175	1.2	176	.067										
399	1.2D + 1.5..		Y		1	1.2	69	1.5	3	.067	175	1.2	177	.067										
400	1.2D + 1.5..		Y		1	1.2	69	1.5	4	.067	175	1.2	178	.067										
401	1.2D + 1.5..		Y		1	1.2	69	1.5	5	.067	175	1.2	179	.067										
402	1.2D + 1.5..		Y		1	1.2	69	1.5	6	.067	175	1.2	180	.067										
403	1.2D + 1.5..		Y		1	1.2	69	1.5	7	.067	175	1.2	181	.067										

Load Combinations (Continued)

	Description	Sol..	PD..	SR..	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...
404	1.2D + 1.5..		Y		1	1.2	69	1.5	8	.067	175	1.2	182	.067										
405	1.2D + 1.5..		Y		1	1.2	69	1.5	9	.067	175	1.2	183	.067										
406	1.2D + 1.5..		Y		1	1.2	69	1.5	10	.067	175	1.2	184	.067										
407	1.2D + 1.5..		Y		1	1.2	69	1.5	11	.067	175	1.2	185	.067										
408	1.2D + 1.5..		Y		1	1.2	69	1.5	12	.067	175	1.2	186	.067										
409	1.2D + 1.5..		Y		1	1.2	69	1.5	13	.067	175	1.2	187	.067										
410	1.2D + 1.5..		Y		1	1.2	70	1.5	2	.067	175	1.2	176	.067										
411	1.2D + 1.5..		Y		1	1.2	70	1.5	3	.067	175	1.2	177	.067										
412	1.2D + 1.5..		Y		1	1.2	70	1.5	4	.067	175	1.2	178	.067										
413	1.2D + 1.5..		Y		1	1.2	70	1.5	5	.067	175	1.2	179	.067										
414	1.2D + 1.5..		Y		1	1.2	70	1.5	6	.067	175	1.2	180	.067										
415	1.2D + 1.5..		Y		1	1.2	70	1.5	7	.067	175	1.2	181	.067										
416	1.2D + 1.5..		Y		1	1.2	70	1.5	8	.067	175	1.2	182	.067										
417	1.2D + 1.5..		Y		1	1.2	70	1.5	9	.067	175	1.2	183	.067										
418	1.2D + 1.5..		Y		1	1.2	70	1.5	10	.067	175	1.2	184	.067										
419	1.2D + 1.5..		Y		1	1.2	70	1.5	11	.067	175	1.2	185	.067										
420	1.2D + 1.5..		Y		1	1.2	70	1.5	12	.067	175	1.2	186	.067										
421	1.2D + 1.5..		Y		1	1.2	70	1.5	13	.067	175	1.2	187	.067										
422	1.2D + 1.5..		Y		1	1.2	71	1.5	2	.067	175	1.2	176	.067										
423	1.2D + 1.5..		Y		1	1.2	71	1.5	3	.067	175	1.2	177	.067										
424	1.2D + 1.5..		Y		1	1.2	71	1.5	4	.067	175	1.2	178	.067										
425	1.2D + 1.5..		Y		1	1.2	71	1.5	5	.067	175	1.2	179	.067										
426	1.2D + 1.5..		Y		1	1.2	71	1.5	6	.067	175	1.2	180	.067										
427	1.2D + 1.5..		Y		1	1.2	71	1.5	7	.067	175	1.2	181	.067										
428	1.2D + 1.5..		Y		1	1.2	71	1.5	8	.067	175	1.2	182	.067										
429	1.2D + 1.5..		Y		1	1.2	71	1.5	9	.067	175	1.2	183	.067										
430	1.2D + 1.5..		Y		1	1.2	71	1.5	10	.067	175	1.2	184	.067										
431	1.2D + 1.5..		Y		1	1.2	71	1.5	11	.067	175	1.2	185	.067										
432	1.2D + 1.5..		Y		1	1.2	71	1.5	12	.067	175	1.2	186	.067										
433	1.2D + 1.5..		Y		1	1.2	71	1.5	13	.067	175	1.2	187	.067										
434	1.2D + 1.5..		Y		1	1.2	72	1.5	2	.067	175	1.2	176	.067										
435	1.2D + 1.5..		Y		1	1.2	72	1.5	3	.067	175	1.2	177	.067										
436	1.2D + 1.5..		Y		1	1.2	72	1.5	4	.067	175	1.2	178	.067										
437	1.2D + 1.5..		Y		1	1.2	72	1.5	5	.067	175	1.2	179	.067										
438	1.2D + 1.5..		Y		1	1.2	72	1.5	6	.067	175	1.2	180	.067										
439	1.2D + 1.5..		Y		1	1.2	72	1.5	7	.067	175	1.2	181	.067										
440	1.2D + 1.5..		Y		1	1.2	72	1.5	8	.067	175	1.2	182	.067										
441	1.2D + 1.5..		Y		1	1.2	72	1.5	9	.067	175	1.2	183	.067										
442	1.2D + 1.5..		Y		1	1.2	72	1.5	10	.067	175	1.2	184	.067										
443	1.2D + 1.5..		Y		1	1.2	72	1.5	11	.067	175	1.2	185	.067										
444	1.2D + 1.5..		Y		1	1.2	72	1.5	12	.067	175	1.2	186	.067										
445	1.2D + 1.5..		Y		1	1.2	72	1.5	13	.067	175	1.2	187	.067										
446	1.2D + 1.5..		Y		1	1.2	73	1.5	2	.067	175	1.2	176	.067										
447	1.2D + 1.5..		Y		1	1.2	73	1.5	3	.067	175	1.2	177	.067										
448	1.2D + 1.5..		Y		1	1.2	73	1.5	4	.067	175	1.2	178	.067										
449	1.2D + 1.5..		Y		1	1.2	73	1.5	5	.067	175	1.2	179	.067										
450	1.2D + 1.5..		Y		1	1.2	73	1.5	6	.067	175	1.2	180	.067										
451	1.2D + 1.5..		Y		1	1.2	73	1.5	7	.067	175	1.2	181	.067										
452	1.2D + 1.5..		Y		1	1.2	73	1.5	8	.067	175	1.2	182	.067										
453	1.2D + 1.5..		Y		1	1.2	73	1.5	9	.067	175	1.2	183	.067										
454	1.2D + 1.5..		Y		1	1.2	73	1.5	10	.067	175	1.2	184	.067										
455	1.2D + 1.5..		Y		1	1.2	73	1.5	11	.067	175	1.2	185	.067										
456	1.2D + 1.5..		Y		1	1.2	73	1.5	12	.067	175	1.2	186	.067										
457	1.2D + 1.5..		Y		1	1.2	73	1.5	13	.067	175	1.2	187	.067										
458	1.2D + 1.5..		Y		1	1.2	74	1.5	2	.067	175	1.2	176	.067										
459	1.2D + 1.5..		Y		1	1.2	74	1.5	3	.067	175	1.2	177	.067										
460	1.2D + 1.5..		Y		1	1.2	74	1.5	4	.067	175	1.2	178	.067										

Load Combinations (Continued)

	Description	Sol..	PD..	SR..	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...
461	1.2D + 1.5..		Y		1	1.2	74	1.5	5	.067	175	1.2	179	.067										
462	1.2D + 1.5..		Y		1	1.2	74	1.5	6	.067	175	1.2	180	.067										
463	1.2D + 1.5..		Y		1	1.2	74	1.5	7	.067	175	1.2	181	.067										
464	1.2D + 1.5..		Y		1	1.2	74	1.5	8	.067	175	1.2	182	.067										
465	1.2D + 1.5..		Y		1	1.2	74	1.5	9	.067	175	1.2	183	.067										
466	1.2D + 1.5..		Y		1	1.2	74	1.5	10	.067	175	1.2	184	.067										
467	1.2D + 1.5..		Y		1	1.2	74	1.5	11	.067	175	1.2	185	.067										
468	1.2D + 1.5..		Y		1	1.2	74	1.5	12	.067	175	1.2	186	.067										
469	1.2D + 1.5..		Y		1	1.2	74	1.5	13	.067	175	1.2	187	.067										
470	1.2D + 1.5..		Y		1	1.2	75	1.5	175	1.2														
471	1.2D + 1.5..		Y		1	1.2	76	1.5	175	1.2														
472	1.2D + 1.5..		Y		1	1.2	77	1.5	175	1.2														
473	1.2D + 1.5..		Y		1	1.2	78	1.5	175	1.2														
474	1.2D + 1.5..		Y		1	1.2	79	1.5	175	1.2														
475	1.2D + 1.5..		Y		1	1.2	80	1.5	175	1.2														
476	1.2D + 1.5..		Y		1	1.2	81	1.5	175	1.2														
477	1.2D + 1.5..		Y		1	1.2	82	1.5	175	1.2														
478	1.2D + 1.5..		Y		1	1.2	83	1.5	175	1.2														
479	1.2D + 1.5..		Y		1	1.2	84	1.5	175	1.2														
480	1.2D + 1.5..		Y		1	1.2	85	1.5	175	1.2														
481	1.2D + 1.5..		Y		1	1.2	86	1.5	175	1.2														
482	1.2D + 1.5..		Y		1	1.2	87	1.5	175	1.2														
483	1.2D + 1.5..		Y		1	1.2	88	1.5	175	1.2														
484	1.2D + 1.5..		Y		1	1.2	89	1.5	175	1.2														
485	1.2D + 1.5..		Y		1	1.2	90	1.5	175	1.2														
486	1.2D + 1.5..		Y		1	1.2	91	1.5	175	1.2														
487	1.2D + 1.5..		Y		1	1.2	92	1.5	175	1.2														
488	1.2D + 1.5..		Y		1	1.2	93	1.5	175	1.2														
489	1.2D + 1.5..		Y		1	1.2	94	1.5	175	1.2														
490	1.2D + 1.5..		Y		1	1.2	95	1.5	175	1.2														
491	1.2D + 1.5..		Y		1	1.2	96	1.5	175	1.2														
492	1.2D + 1.5..		Y		1	1.2	97	1.5	175	1.2														
493	1.2D + 1.5..		Y		1	1.2	98	1.5	175	1.2														
494	1.2D + 1.5..		Y		1	1.2	99	1.5	175	1.2														
495	1.2D + 1.5..		Y		1	1.2	100	1.5	175	1.2														
496	1.2D + 1.5..		Y		1	1.2	101	1.5	175	1.2														
497	1.2D + 1.5..		Y		1	1.2	102	1.5	175	1.2														
498	1.2D + 1.5..		Y		1	1.2	103	1.5	175	1.2														
499	1.2D + 1.5..		Y		1	1.2	104	1.5	175	1.2														
500	1.2D + 1.5..		Y		1	1.2	105	1.5	175	1.2														
501	1.2D + 1.5..		Y		1	1.2	106	1.5	175	1.2														
502	1.2D + 1.5..		Y		1	1.2	107	1.5	175	1.2														
503	1.2D + 1.5..		Y		1	1.2	108	1.5	175	1.2														
504	1.2D + 1.5..		Y		1	1.2	109	1.5	175	1.2														
505	1.2D + 1.5..		Y		1	1.2	110	1.5	175	1.2														
506	1.2D + 1.5..		Y		1	1.2	111	1.5	175	1.2														
507	1.2D + 1.5..		Y		1	1.2	112	1.5	175	1.2														
508	1.2D + 1.5..		Y		1	1.2	113	1.5	175	1.2														
509	1.2D + 1.5..		Y		1	1.2	114	1.5	175	1.2														
510	1.2D + 1.5..		Y		1	1.2	115	1.5	175	1.2														
511	1.2D + 1.5..		Y		1	1.2	116	1.5	175	1.2														
512	1.2D + 1.5..		Y		1	1.2	117	1.5	175	1.2														
513	1.2D + 1.5..		Y		1	1.2	118	1.5	175	1.2														
514	1.2D + 1.5..		Y		1	1.2	119	1.5	175	1.2														
515	1.2D + 1.5..		Y		1	1.2	120	1.5	175	1.2														
516	1.2D + 1.5..		Y		1	1.2	121	1.5	175	1.2														
517	1.2D + 1.5..		Y		1	1.2	122	1.5	175	1.2														

Load Combinations (Continued)

	Description	Sol..	PD..	SR..	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...
518	1.2D + 1.5..		Y		1	1.2	123	1.5	175	1.2																
519	1.2D + 1.5..		Y		1	1.2	124	1.5	175	1.2																
520	1.2D + 1.5..		Y		1	1.2	125	1.5	175	1.2																
521	1.2D + 1.5..		Y		1	1.2	126	1.5	175	1.2																
522	1.2D + 1.5..		Y		1	1.2	127	1.5	175	1.2																
523	1.2D + 1.5..		Y		1	1.2	128	1.5	175	1.2																
524	1.2D + 1.5..		Y		1	1.2	129	1.5	175	1.2																
525	1.2D + 1.5..		Y		1	1.2	130	1.5	175	1.2																
526	1.2D + 1.5..		Y		1	1.2	131	1.5	175	1.2																
527	1.2D + 1.5..		Y		1	1.2	132	1.5	175	1.2																
528	1.2D + 1.5..		Y		1	1.2	133	1.5	175	1.2																
529	1.2D + 1.5..		Y		1	1.2	134	1.5	175	1.2																
530	1.2D + 1.5..		Y		1	1.2	135	1.5	175	1.2																
531	1.2D + 1.5..		Y		1	1.2	136	1.5	175	1.2																
532	1.2D + 1.5..		Y		1	1.2	137	1.5	175	1.2																
533	1.2D + 1.5..		Y		1	1.2	138	1.5	175	1.2																
534	1.2D + 1.5..		Y		1	1.2	139	1.5	175	1.2																
535	1.2D + 1.5..		Y		1	1.2	140	1.5	175	1.2																
536	1.2D + 1.5..		Y		1	1.2	141	1.5	175	1.2																
537	1.2D + 1.5..		Y		1	1.2	142	1.5	175	1.2																
538	1.2D + 1.5..		Y		1	1.2	143	1.5	175	1.2																
539	1.2D + 1.5..		Y		1	1.2	144	1.5	175	1.2																
540	1.2D + 1.5..		Y		1	1.2	145	1.5	175	1.2																
541	1.2D + 1.5..		Y		1	1.2	146	1.5	175	1.2																
542	1.2D + 1.5..		Y		1	1.2	147	1.5	175	1.2																
543	1.2D + 1.5..		Y		1	1.2	148	1.5	175	1.2																
544	1.2D + 1.5..		Y		1	1.2	149	1.5	175	1.2																
545	1.2D + 1.5..		Y		1	1.2	150	1.5	175	1.2																
546	1.2D + 1.5..		Y		1	1.2	151	1.5	175	1.2																
547	1.2D + 1.5..		Y		1	1.2	152	1.5	175	1.2																
548	1.2D + 1.5..		Y		1	1.2	153	1.5	175	1.2																
549	1.2D + 1.5..		Y		1	1.2	154	1.5	175	1.2																
550	1.2D + 1.5..		Y		1	1.2	155	1.5	175	1.2																
551	1.2D + 1.5..		Y		1	1.2	156	1.5	175	1.2																
552	1.2D + 1.5..		Y		1	1.2	157	1.5	175	1.2																
553	1.2D + 1.5..		Y		1	1.2	158	1.5	175	1.2																
554	1.2D + 1.5..		Y		1	1.2	159	1.5	175	1.2																
555	1.2D + 1.5..		Y		1	1.2	160	1.5	175	1.2																
556	1.2D + 1.5..		Y		1	1.2	161	1.5	175	1.2																
557	1.2D + 1.5..		Y		1	1.2	162	1.5	175	1.2																
558	1.2D + 1.5..		Y		1	1.2	163	1.5	175	1.2																
559	1.2D + 1.5..		Y		1	1.2	164	1.5	175	1.2																
560	1.2D + 1.5..		Y		1	1.2	165	1.5	175	1.2																
561	1.2D + 1.5..		Y		1	1.2	166	1.5	175	1.2																
562	1.2D + 1.5..		Y		1	1.2	167	1.5	175	1.2																
563	1.2D + 1.5..		Y		1	1.2	168	1.5	175	1.2																
564	1.2D + 1.5..		Y		1	1.2	169	1.5	175	1.2																
565	1.2D + 1.5..		Y		1	1.2	170	1.5	175	1.2																
566	1.2D + 1.5..		Y		1	1.2	171	1.5	175	1.2																
567	1.2D + 1.5..		Y		1	1.2	172	1.5	175	1.2																
568	1.2D + 1.5..		Y		1	1.2	173	1.5	175	1.2																
569	1.2D + 1.5..		Y		1	1.2	174	1.5	175	1.2																

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [lb-ft]	LC	MY [lb-ft]	LC	MZ [lb-ft]	LC
1	N1	max	668.5	8	804.711	25	457.5	11	40.375	11	1326.15	11	-1031.443	13
2		min	-668.5	2	366.111	2	-457.5	5	-40.375	5	-1326.15	5	-2324.724	19
3	Totals:	max	668.5	8	804.711	25	457.5	11						
4		min	-668.5	2	366.111	2	-457.5	5						

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

	Member	Shape	Code C...	Loc[in]	LC	Shear ...	Loc[in]	Dir	LC	Pnc/om [lb]	Pnt/om [lb]	Mnyy/om ...	Mnzz/om ...	Cb	Eqn
1	MP1	PIPE 2.0	.951	48	8	.052	48		8	17645.658	21377.246	1245.259	1245.259	1....	H1-1b
2	SA	HSS4X4X3	.312	0	23	.042	0	y	23	68537.963	71065.868	8424.152	8424.152	1....	H1-1b

TIA-222-H Mount Load Generator

Site Inputs	
Mount Support (Tower, or Building Support)?	Tower
Risk Category (TIA Table 2-1)	II
Exposure Category	B
Basic Wind Speed without Ice, V	116 mph
Basic Wind Speed with Ice, V_i	50 mph
Design of Ice, δ_{ice}	56 pcf
Design Ice Thickness, t_i	1.00 in
Basic Wind Speed (Maintenance)	30 mph
Maintenance Load, L_m	500 lb
Maintenance Load, L_v	250 lb
Height of Structure, h	148.0 ft
Mount Centerline, h_m	130.0 ft
Topographic Factor, K_{zt}	1.00
Rooftop Wind Speed-Up Factor, K_s	1.00
Mean Elevation of base of structure above sea level, z_s	227 ft
Ground Elevation Factor, K_e	0.99
Wind Direction Probability Factor, K_d	0.95
Gust Response Factor, G_h	1.00
Shielding Factor for Appurtenances, K_a	0.90

Seismic Design Input/Output	
0.26	Spectral response acceleration at short periods, S_s
0.058	Spectral response acceleration at a period of 1 second, S_1
D	Soil Site Class
1.592	Short-period site coefficient, F_a
2.400	Long-period site coefficient, F_v
0.276	Design spectral response acceleration at short periods, S_{DS}
0.093	Design spectral response acceleration at a period of 1 second, S_{D1}
2.00	Response modification coefficient, R
1.00	Earthquake amplification factor, A_s
1.00	Importance Factor
0.1380	Seismic Response Coefficient, C_s
Eh = 0.138 W	Total Seismic Shear Force, $E_h = \rho Q_E$ ($Q_E = \rho C_s W A_s$ & $\rho = 1.0$)
Ev = 0.055 D	Vertical Seismic Load Effect, $E_v = 0.2 S_{DS} D A_s$

Output File Name: SMFR_130_Loaded

Mount Pipe Information							Mount Pipe Forces					
Mount Pipe	Mount Location	Vertical Offset	Length	Diameter	Weight	Shape	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{iz}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
P 2 SCH 40 x 84	MP1	1.50 ft	84.00 in	2.38 in	25.59 lb	Round	29.12 lb	57.67 lb	1.148 in	34.60 lb	11.12 lb	19.03 lb
P 2 SCH 40 x 84	MP2	1.50 ft	84.00 in	2.38 in	25.59 lb	Round	57.67 lb	57.67 lb	1.148 in	34.60 lb	19.03 lb	19.03 lb
P 2 SCH 40 x 84	MP3	1.50 ft	84.00 in	2.38 in	25.59 lb	Round	57.67 lb	57.67 lb	1.148 in	34.60 lb	19.03 lb	19.03 lb
P 2 SCH 40 x 84	MP4	1.50 ft	84.00 in	2.38 in	25.59 lb	Round	15.67 lb	57.67 lb	1.148 in	34.60 lb	6.21 lb	19.03 lb
P 2 SCH 40 x 84	MP5	1.50 ft	84.00 in	2.38 in	25.59 lb	Round	29.12 lb	57.67 lb	1.148 in	34.60 lb	11.12 lb	19.03 lb
P 2 SCH 40 x 84	MP6	1.50 ft	84.00 in	2.38 in	25.59 lb	Round	57.67 lb	57.67 lb	1.148 in	34.60 lb	19.03 lb	19.03 lb
P 2 SCH 40 x 84	MP7	1.50 ft	84.00 in	2.38 in	25.59 lb	Round	57.67 lb	57.67 lb	1.148 in	34.60 lb	19.03 lb	19.03 lb
P 2 SCH 40 x 84	MP8	1.50 ft	84.00 in	2.38 in	25.59 lb	Round	15.67 lb	57.67 lb	1.148 in	34.60 lb	6.21 lb	19.03 lb
P 2 SCH 40 x 84	MP9	1.50 ft	84.00 in	2.38 in	25.59 lb	Round	29.12 lb	57.67 lb	1.148 in	34.60 lb	11.12 lb	19.03 lb
P 2 SCH 40 x 84	MP10	1.50 ft	84.00 in	2.38 in	25.59 lb	Round	57.67 lb	57.67 lb	1.148 in	34.60 lb	19.03 lb	19.03 lb
P 2 SCH 40 x 84	MP11	1.50 ft	84.00 in	2.38 in	25.59 lb	Round	57.67 lb	57.67 lb	1.148 in	34.60 lb	19.03 lb	19.03 lb
P 2 SCH 40 x 84	MP12	1.50 ft	84.00 in	2.38 in	25.59 lb	Round	15.67 lb	57.67 lb	1.148 in	34.60 lb	6.21 lb	19.03 lb

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Appurtenance Information - MP1							Appurtenance Forces - MP1					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{iz}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
ERICSSON / AIR6449 B41	1	2.00 ft	33.10 in	20.60 in	8.60 in	104.00 lb	197.30 lb	86.48 lb	1.149 in	90.86 lb	39.21 lb	18.97 lb

Appurtenance Information - MP4							Appurtenance Forces - MP4					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{iz}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
ERICSSON / AIR-32 B2A/B66Aa	1	2.00 ft	56.60 in	12.90 in	8.70 in	132.20 lb	226.04 lb	163.63 lb	1.149 in	110.60 lb	45.68 lb	34.58 lb

Appurtenance Information - MP5							Appurtenance Forces - MP5					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{iz}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
ERICSSON / AIR6449 B41	1	2.00 ft	33.10 in	20.60 in	8.60 in	104.00 lb	197.30 lb	86.48 lb	1.149 in	90.86 lb	39.21 lb	18.97 lb

Appurtenance Information - MP8							Appurtenance Forces - MP8					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{iz}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
ERICSSON / AIR-32 B2A/B66Aa	1	2.00 ft	56.60 in	12.90 in	8.70 in	132.20 lb	226.04 lb	163.63 lb	1.149 in	110.60 lb	45.68 lb	34.58 lb

Appurtenance Information - MP9							Appurtenance Forces - MP9					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{iz}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
ERICSSON / AIR6449 B41	1	2.00 ft	33.10 in	20.60 in	8.60 in	104.00 lb	197.30 lb	86.48 lb	1.149 in	90.86 lb	39.21 lb	18.97 lb

Appurtenance Information - MP12							Appurtenance Forces - MP12					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{iz}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
ERICSSON / AIR-32 B2A/B66Aa	1	2.00 ft	56.60 in	12.90 in	8.70 in	132.20 lb	226.04 lb	163.63 lb	1.149 in	110.60 lb	45.68 lb	34.58 lb

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Member Distributed Loads	Member Information			Member Forces		
Mount Members	Width/Diameter (in)	Depth/Diameter (in)	Length (in)	Ka * Force/Length, No Ice	Ice Weight (plf)	Ka * Force/Length, Ice
C5x9 FM	5.000 in	1.890 in	141.0 in	25.9 lb/ft	9.1 lb/ft	6.0 lb/ft
C5x9 SA	5.000 in	1.890 in	58.0 in	20.1 lb/ft	9.1 lb/ft	4.7 lb/ft
L1.75x1.75	1.750 in	1.750 in	108.0 in	9.1 lb/ft	5.1 lb/ft	3.0 lb/ft
SR 5/8	0.625 in	0.625 in	14.0 in	1.9 lb/ft	2.5 lb/ft	1.2 lb/ft
HSS4x4	4.000 in	4.000 in	19.2 in	9.1 lb/ft	9.5 lb/ft	2.5 lb/ft
2.0SCH40	2.375 in	2.375 in	138.0 in	7.4 lb/ft	4.9 lb/ft	2.7 lb/ft
L2.5x2.5	2.500 in	2.500 in	15.5 in	8.8 lb/ft	6.6 lb/ft	2.4 lb/ft

Member Lookup	Member Label	Position	Maintenance Load
C5x9 SA	BRACE-1	210°	
C5x9 SA	BRACE-2	330°	
C5x9 SA	BRACE-3	90°	
HSS4x4	SA1	165°	End
HSS4x4	SA2	285°	End
HSS4x4	SA3	45°	End
2.0SCH40	HR-0	90°	Mid
2.0SCH40	HR-120	210°	Mid
2.0SCH40	HR-240	330°	Mid
L2.5x2.5	HR-CORN-1	90°	
L2.5x2.5	HR-CORN-2	210°	
L2.5x2.5	HR-CORN-3	330°	

Member Lookup	Member Label	Position	Maintenance Load
C5x9 FM	FM-BOT-0	90°	Start/Mid/End
C5x9 FM	FM-BOT-120	210°	Start/Mid/End
C5x9 FM	FM-BOT-240	330°	Start/Mid/End
C5x9 SA	LAD-H-1	0°	Start/Mid/End
C5x9 SA	LAD-H-2	90°	Start/Mid/End
L1.75x1.75	LADDER-RAIL-1	V	
L1.75x1.75	LADDER-RAIL-2	V	
SR 5/8	LADDER-RUNG-1	0°	
SR 5/8	LADDER-RUNG-2	0°	
SR 5/8	LADDER-RUNG-3	0°	
SR 5/8	LADDER-RUNG-4	0°	
SR 5/8	LADDER-RUNG-5	0°	
SR 5/8	LADDER-RUNG-6	0°	
SR 5/8	LADDER-RUNG-7	0°	
SR 5/8	LADDER-RUNG-8	0°	
SR 5/8	LADDER-RUNG-9	0°	

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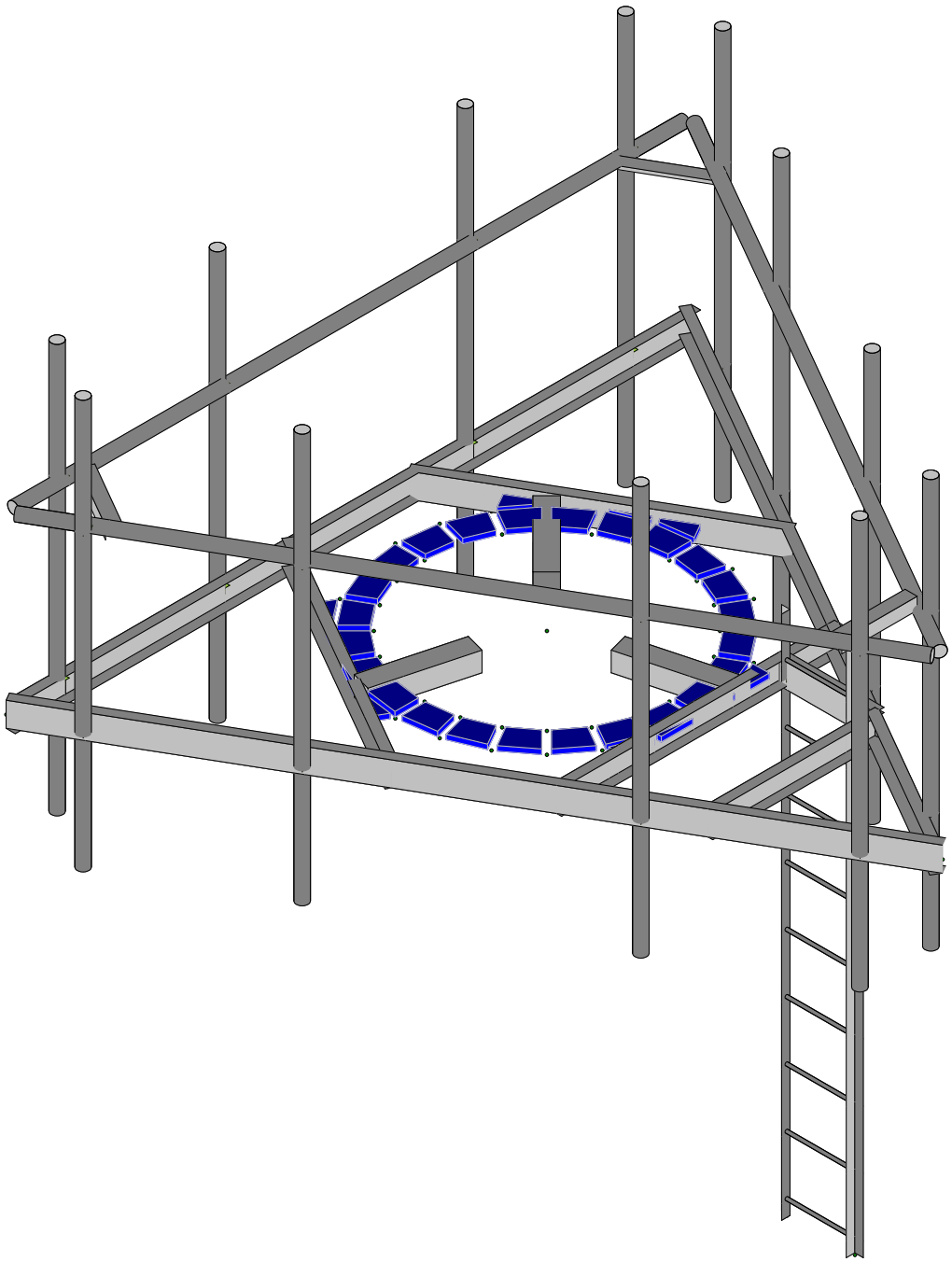
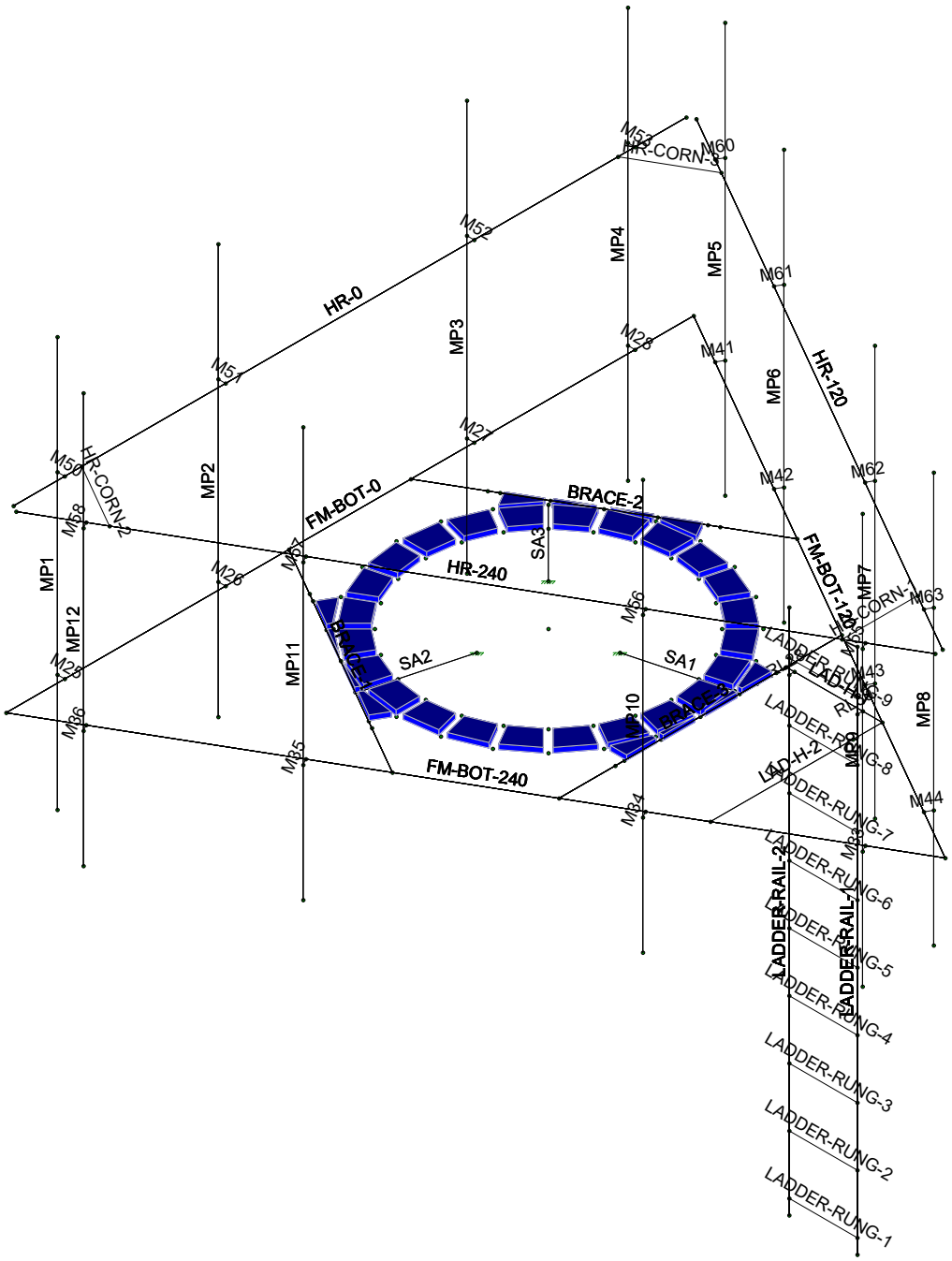


ETS, PLLC	302515 - SMFR - North (T-Mobile, 130 ft) Mount Analy ...	SK - 1
BRL		Mar 24, 2021 at 8:19 PM
ETS Job # 21090475.STR...		SMFR_130_Loaded.r3d



ETS, PLLC		SK - 2
BRL	302515 - SMFR - North (T-Mobile, 130 ft) Mount Analy ...	Mar 24, 2021 at 8:19 PM
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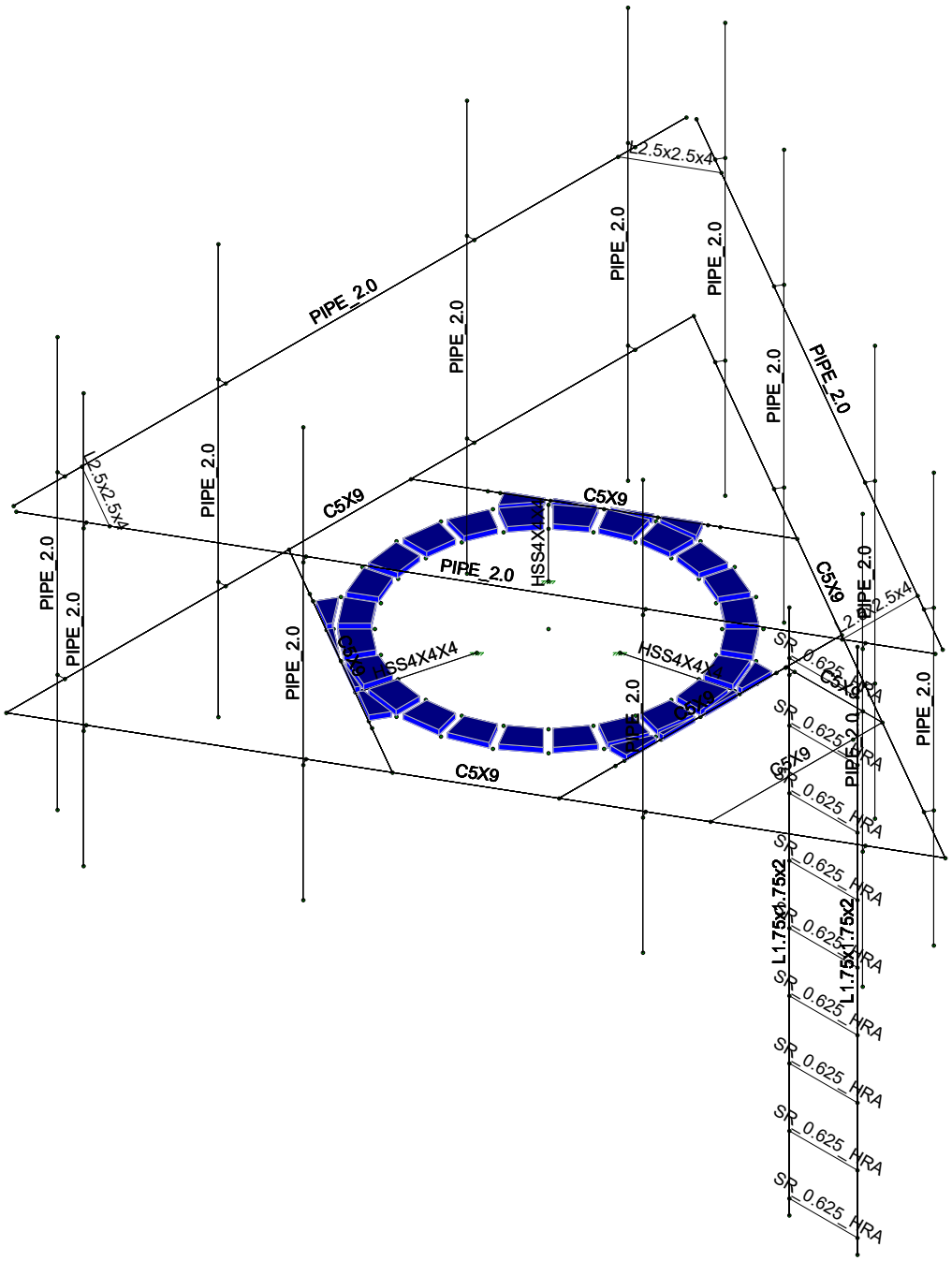

ETS, PLLC	302515 - SMFR - North (T-Mobile, 130 ft) Mount Analy ...	SK - 3
BRL		Mar 24, 2021 at 8:19 PM
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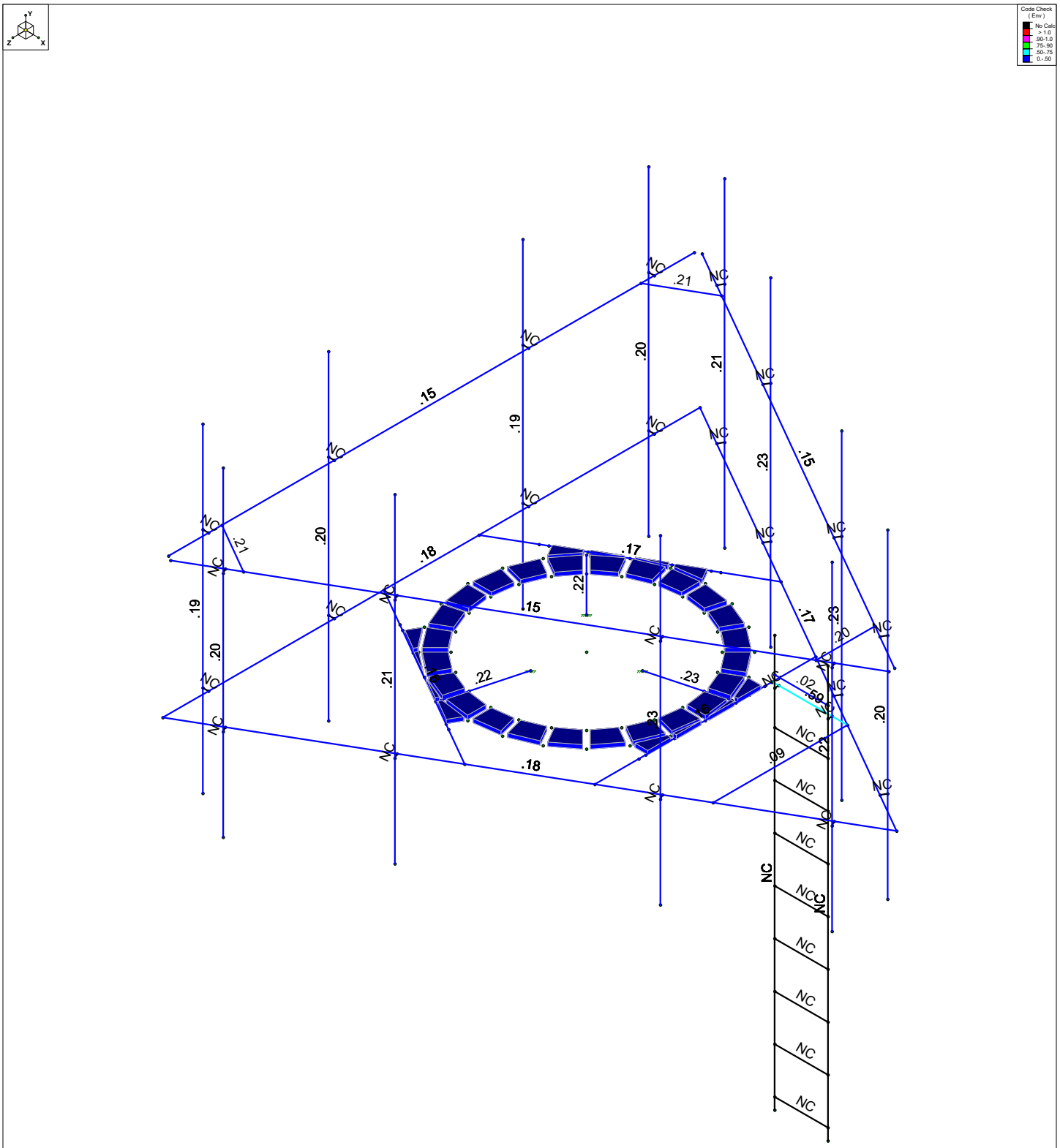
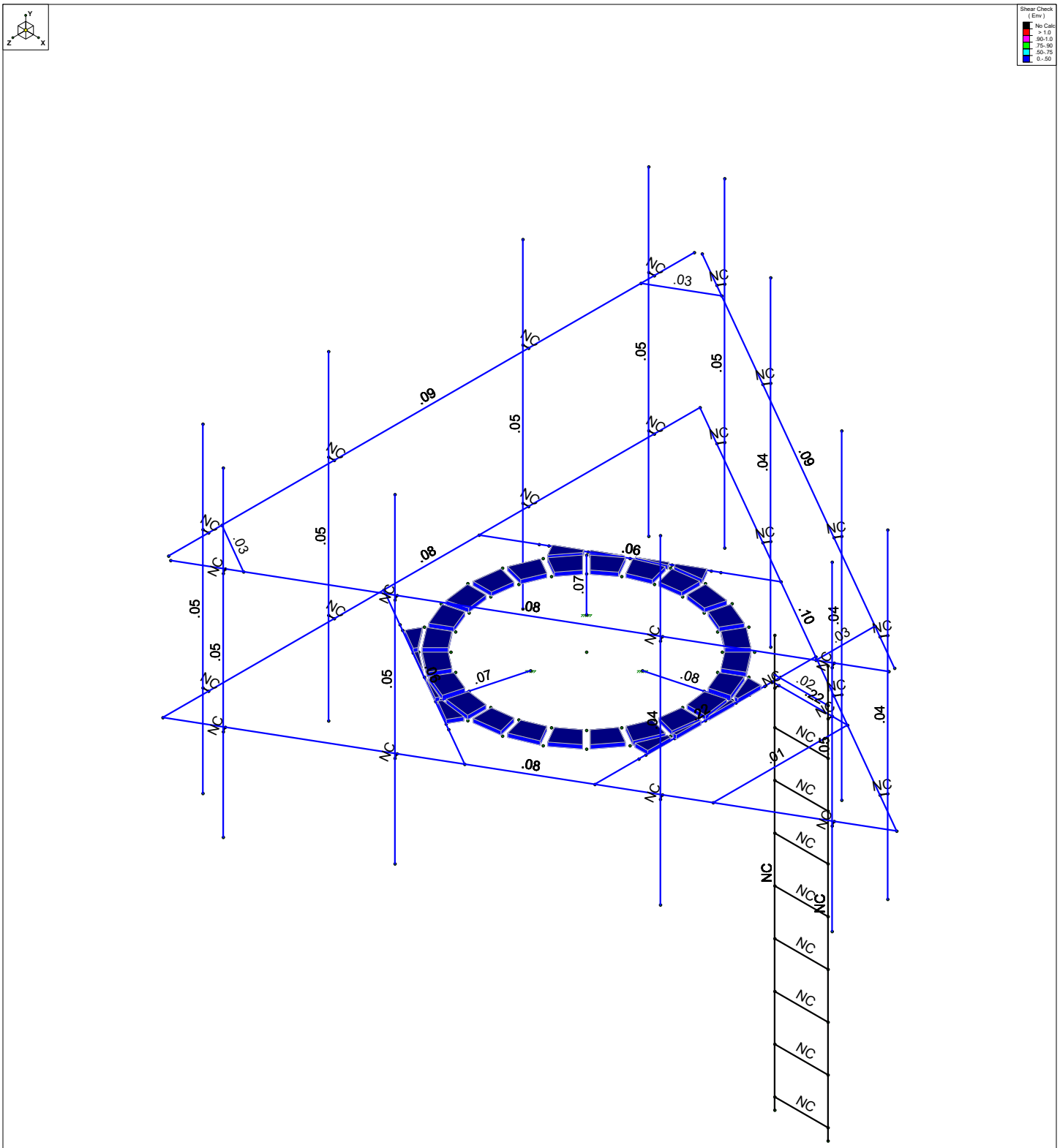


Member Code Checks Displayed (Enveloped)
Results for LC 1, 1.4D

ETS, PLLC		SK - 4
BRL	302515 - SMFR - North (T-Mobile, 130 ft) Mount Analy ...	Mar 24, 2021 at 8:19 PM
ETS Job # 21090475.STR...		SMFR_130_Loaded.r3d



Member Shear Checks Displayed (Enveloped)
Results for LC 1, 1.4D

ETS, PLLC		SK - 5
BRL	302515 - SMFR - North (T-Mobile, 130 ft) Mount Analy ...	Mar 24, 2021 at 8:19 PM
ETS Job # 21090475.STR...		SMFR_130_Loaded.r3d

Joint Boundary Conditions

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
1	N33						
2	N36						
3	N42						
4	N54						
5	N56						
6	N57						
7	N60						
8	N61						
9	N65						
10	N66						
11	N70						
12	N71						
13	N75						
14	N76						
15	N80						
16	N81						
17	N85						
18	N86						
19	N91						
20	N95						
21	N96						
22	N100						
23	N101						
24	N105						
25	N106						
26	N110						
27	N111						
28	N115						
29	N116						
30	N120						
31	N121						
32	N125						
33	N126						
34	N131						
35	N135						
36	N136						
37	N140						
38	N141						
39	N145						
40	N146						
41	N150						
42	N151						
43	N155						
44	N156						
45	N160						
46	N161						
47	N165						
48	N166						
49	N53	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
50	N97						
51	N98						
52	N99						
53	N100A						
54	N107						
55	N108						
56	N109						

Joint Boundary Conditions (Continued)

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
57	N110A						
58	N117						
59	N118						
60	N119						
61	N120A						
62	N110B	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
63	N113	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction

Joint Coordinates and Temperatures

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
1	N1	129.64527	0	84.957577	0	
2	N2	7.535966	0	155.457417	0	
3	N3	7.535966	0	14.457737	0	
4	N4	48.239067	0	84.957577	0	
5	N5	99.117944	0	67.332617	0	
6	N6	99.117944	0	102.582537	0	
7	N7	95.102264	0	67.332617	0	
8	N8	81.102424	0	67.332617	0	
9	N9	95.102264	0	68.434177	0	
10	N10	81.102424	0	68.434177	0	
11	N11	95.102264	-96	68.434177	0	
12	N12	81.102424	-96	68.434177	0	
13	N13	95.102264	12	68.434177	0	
14	N14	81.102424	12	68.434177	0	
15	N15	81.102424	-93	68.434177	0	
16	N16	95.102264	-93	68.434177	0	
17	N17	81.102424	-81	68.434177	0	
18	N18	95.102264	-81	68.434177	0	
19	N19	81.102424	-69	68.434177	0	
20	N20	95.102264	-69	68.434177	0	
21	N21	81.102424	-57	68.434177	0	
22	N22	95.102264	-57	68.434177	0	
23	N23	81.102424	-45	68.434177	0	
24	N24	95.102264	-45	68.434177	0	
25	N25	81.102424	-33	68.434177	0	
26	N26	95.102264	-33	68.434177	0	
27	N27	81.102424	-21	68.434177	0	
28	N28	95.102264	-21	68.434177	0	
29	N29	81.102424	-9	68.434177	0	
30	N30	95.102264	-9	68.434177	0	
31	N31	81.102424	3	68.434177	0	
32	N32	95.102264	3	68.434177	0	
33	N33	32.650716	0	111.957394	0	
34	N34	7.535966	0	97.457387	0	
35	N35	57.765466	0	126.457402	0	
36	N36	32.65073	0	57.957786	0	
37	N37	57.765495	0	43.45777	0	
38	N38	7.535966	0	72.457802	0	
39	N39	79.415741	0	113.95761	0	
40	N40	79.415741	0	55.957545	0	
41	N41	79.415741	0	67.332617	0	
42	N42	79.415741	0	84.957577	0	
43	N43	99.117944	0	73.332617	0	
44	N44	79.415741	0	73.332617	0	
45	N45	17.535961	0	103.230887	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
46	N46	47.7655	0	49.23127	0	
47	N47	79.415741	0	102.41061	0	
48	N48	47.765444	0	120.683887	0	
49	N49	17.536017	0	66.68427	0	
50	N50	79.415741	0	67.50461	0	
51	N53	59.830177	0	81.851749	0	
52	N54	73.415741	0	84.957577	0	
53	N56	78.353421	0	76.88846	0	
54	N57	72.557866	0	78.441375	0	
55	N60	75.238859	0	69.36924	0	
56	N61	70.042706	0	72.36924	0	
57	N65	70.284304	0	62.91234	0	
58	N66	66.041664	0	67.154981	0	
59	N70	63.827404	0	57.957786	0	
60	N71	60.827404	0	63.153938	0	
61	N75	56.308184	0	54.843223	0	
62	N76	54.75527	0	60.638778	0	
63	N80	48.239067	0	53.780904	0	
64	N81	48.239067	0	59.780904	0	
65	N85	40.16995	0	54.843223	0	
66	N86	41.722865	0	60.638778	0	
67	N91	35.65073	0	63.153938	0	
68	N95	26.19383	0	62.91234	0	
69	N96	30.436471	0	67.154981	0	
70	N100	21.239276	0	69.36924	0	
71	N101	26.435428	0	72.36924	0	
72	N105	18.124713	0	76.88846	0	
73	N106	23.920268	0	78.441375	0	
74	N110	17.062394	0	84.957577	0	
75	N111	23.062394	0	84.957577	0	
76	N115	18.124713	0	93.026694	0	
77	N116	23.920268	0	91.47378	0	
78	N120	21.239276	0	100.545914	0	
79	N121	26.435428	0	97.545914	0	
80	N125	26.19383	0	107.002815	0	
81	N126	30.436471	0	102.760174	0	
82	N131	35.65073	0	106.761216	0	
83	N135	40.16995	0	115.071931	0	
84	N136	41.722865	0	109.276377	0	
85	N140	48.239067	0	116.134251	0	
86	N141	48.239067	0	110.134251	0	
87	N145	56.308184	0	115.071931	0	
88	N146	54.75527	0	109.276377	0	
89	N150	63.827404	0	111.957369	0	
90	N151	60.827404	0	106.761216	0	
91	N155	70.284304	0	107.002815	0	
92	N156	66.041664	0	102.760174	0	
93	N160	75.238859	0	100.545914	0	
94	N161	70.042706	0	97.545914	0	
95	N165	78.353421	0	93.026694	0	
96	N166	72.557866	0	91.47378	0	
97	N97	79.415741	0	69.36924	0	
98	N98	79.415741	0	100.545914	0	
99	N99	79.415741	0	76.88846	0	
100	N100A	79.415741	0	93.026694	0	
101	N107	19.150834	0	65.751954	0	
102	N108	46.150626	0	50.163617	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
103	N109	25.66267	0	61.992344	0	
104	N110A	39.63879	0	53.923227	0	
105	N117	46.150626	0	119.751537	0	
106	N118	19.150835	0	104.1632	0	
107	N119	39.638791	0	115.991927	0	
108	N120A	25.66267	0	107.92281	0	
109	N110B	39.753786	0	76.472296	0	
110	N113	45.133239	0	96.548687	0	
111	N111A	7.535966	0	143.457417	0	
112	N112	7.535966	0	26.457417	0	
113	N113A	7.535966	0	110.457417	0	
114	N114	7.535966	0	59.457417	0	
115	N115A	6.035966	0	143.457417	0	
116	N116A	6.035966	0	26.457417	0	
117	N117A	6.035966	0	110.457417	0	
118	N118A	6.035966	0	59.457417	0	
119	N119A	6.035966	60	143.457417	0	
120	N120B	6.035966	60	26.457417	0	
121	N121A	6.035966	60	110.457417	0	
122	N122	6.035966	60	59.457417	0	
123	N123	6.035966	-24	143.457417	0	
124	N124	6.035966	-24	26.457417	0	
125	N125A	6.035966	-24	110.457417	0	
126	N126A	6.035966	-24	59.457417	0	
127	N128	119.252966	0	90.957577	0	
128	N129	17.927993	0	149.457577	0	
129	N130	90.674127	0	107.457577	0	
130	N131A	46.506832	0	132.957577	0	
131	N132	120.002966	0	92.256615	0	
132	N133	18.677993	0	150.756615	0	
133	N134	91.424127	0	108.756615	0	
134	N135A	47.256832	0	134.256615	0	
135	N136A	120.002966	60	92.256615	0	
136	N137	18.677993	60	150.756615	0	
137	N138	91.424127	60	108.756615	0	
138	N139	47.256832	60	134.256615	0	
139	N140A	120.002966	-24	92.256615	0	
140	N141A	18.677993	-24	150.756615	0	
141	N142	91.424127	-24	108.756615	0	
142	N143	47.256832	-24	134.256615	0	
143	N145A	17.92827	0	20.457737	0	
144	N146A	119.253243	0	78.957737	0	
145	N147	46.507109	0	36.957737	0	
146	N148	90.674404	0	62.457737	0	
147	N149	18.67827	0	19.158699	0	
148	N150A	120.003243	0	77.658699	0	
149	N151A	47.257109	0	35.658699	0	
150	N152	91.424404	0	61.158699	0	
151	N153	18.67827	60	19.158699	0	
152	N154	120.003243	60	77.658699	0	
153	N155A	47.257109	60	35.658699	0	
154	N156A	91.424404	60	61.158699	0	
155	N157	18.67827	-24	19.158699	0	
156	N158	120.003243	-24	77.658699	0	
157	N159	47.257109	-24	35.658699	0	
158	N160A	91.424404	-24	61.158699	0	
159	N159A	7.535966	36	153.957417	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
160	N160B	7.535966	36	15.957737	0	
161	N161A	7.535966	36	143.457417	0	
162	N162	7.535966	36	26.457417	0	
163	N163	7.535966	36	110.457417	0	
164	N164	7.535966	36	59.457417	0	
165	N165A	6.035966	36	143.457417	0	
166	N166A	6.035966	36	26.457417	0	
167	N167	6.035966	36	110.457417	0	
168	N168	6.035966	36	59.457417	0	
169	N170	128.346232	36	85.707577	0	
170	N171	8.835004	36	154.707417	0	
171	N172	119.252966	36	90.957577	0	
172	N173	17.927993	36	149.457577	0	
173	N174	90.674127	36	107.457577	0	
174	N175	46.506832	36	132.957577	0	
175	N176	120.002966	36	92.256615	0	
176	N177	18.677993	36	150.756615	0	
177	N178	91.424127	36	108.756615	0	
178	N179	47.256832	36	134.256615	0	
179	N181	8.835004	36	15.207737	0	
180	N182	128.346232	36	84.207577	0	
181	N183	17.92827	36	20.457737	0	
182	N184	119.253243	36	78.957737	0	
183	N185	46.507109	36	36.957737	0	
184	N186	90.674404	36	62.457737	0	
185	N187	18.67827	36	19.158699	0	
186	N188	120.003243	36	77.658699	0	
187	N189	47.257109	36	35.658699	0	
188	N190	91.424404	36	61.158699	0	
189	N189A	7.535966	36	139.957417	0	
190	N190A	116.221877	36	92.707577	0	
191	N191	20.959359	36	22.207737	0	
192	N192	7.535966	36	29.957417	0	
193	N193	20.959082	36	147.707577	0	
194	N194	116.222154	36	77.207737	0	

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(de...	Section/Shape	Type	Design List	Material	Design Rules
1	BRACE-1	N34	N35			C5X9	None	None	A36 Gr.36	Typical
2	BRACE-2	N37	N38			C5X9	None	None	A36 Gr.36	Typical
3	BRACE-3	N39	N40			C5X9	None	None	A36 Gr.36	Typical
4	FM-BOT-0	N2	N3			C5X9	None	None	A36 Gr.36	Typical
5	FM-BOT-120	N1	N3		180	C5X9	None	None	A36 Gr.36	Typical
6	FM-BOT-240	N1	N2			C5X9	None	None	A36 Gr.36	Typical
7	HR-0	N159A	N160B			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
8	HR-120	N181	N182			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
9	HR-240	N170	N171			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
10	HR-CORN-1	N190A	N194		180	L2.5x2.5x4	Beam	Single Angle	A36 Gr.36	Typical
11	HR-CORN-2	N189A	N193		180	L2.5x2.5x4	Beam	Single Angle	A36 Gr.36	Typical
12	HR-CORN-3	N191	N192		180	L2.5x2.5x4	Beam	Single Angle	A36 Gr.36	Typical
13	LAD-H-1	N5	N41			C5X9	None	None	A36 Gr.36	Typical
14	LAD-H-2	N5	N6		180	C5X9	Beam	None	A36 Gr.36	Typical
15	LADDER-RAIL-1	N11	N13		90	L1.75x1.75x2	Column	None	A36 Gr.36	Typical
16	LADDER-RAIL-2	N12	N14			L1.75x1.75x2	Column	None	A36 Gr.36	Typical
17	LADDER-RUNG-1	N16	N15			SR_0.625_H...	None	None	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(de...	Section/Shape	Type	Design List	Material	Design Rules
18	LADDER-RUNG-2	N18	N17			SR_0.625_H...	None	None	A36 Gr.36	Typical
19	LADDER-RUNG-3	N20	N19			SR_0.625_H...	None	None	A36 Gr.36	Typical
20	LADDER-RUNG-4	N22	N21			SR_0.625_H...	None	None	A36 Gr.36	Typical
21	LADDER-RUNG-5	N24	N23			SR_0.625_H...	None	None	A36 Gr.36	Typical
22	LADDER-RUNG-6	N26	N25			SR_0.625_H...	None	None	A36 Gr.36	Typical
23	LADDER-RUNG-7	N28	N27			SR_0.625_H...	None	None	A36 Gr.36	Typical
24	LADDER-RUNG-8	N30	N29			SR_0.625_H...	None	None	A36 Gr.36	Typical
25	LADDER-RUNG-9	N32	N31			SR_0.625_H...	None	None	A36 Gr.36	Typical
26	M25	N111A	N115A			RIGID	None	None	RIGID	Typical
27	M26	N113A	N117A			RIGID	None	None	RIGID	Typical
28	M27	N114	N118A			RIGID	None	None	RIGID	Typical
29	M28	N112	N116A			RIGID	None	None	RIGID	Typical
30	M33	N128	N132			RIGID	None	None	RIGID	Typical
31	M34	N130	N134			RIGID	None	None	RIGID	Typical
32	M35	N131A	N135A			RIGID	None	None	RIGID	Typical
33	M36	N129	N133			RIGID	None	None	RIGID	Typical
34	M41	N145A	N149			RIGID	None	None	RIGID	Typical
35	M42	N147	N151A			RIGID	None	None	RIGID	Typical
36	M43	N148	N152			RIGID	None	None	RIGID	Typical
37	M44	N146A	N150A			RIGID	None	None	RIGID	Typical
38	M50	N161A	N165A			RIGID	None	None	RIGID	Typical
39	M51	N163	N167			RIGID	None	None	RIGID	Typical
40	M52	N164	N168			RIGID	None	None	RIGID	Typical
41	M53	N162	N166A			RIGID	None	None	RIGID	Typical
42	M55	N172	N176			RIGID	None	None	RIGID	Typical
43	M56	N174	N178			RIGID	None	None	RIGID	Typical
44	M57	N175	N179			RIGID	None	None	RIGID	Typical
45	M58	N173	N177			RIGID	None	None	RIGID	Typical
46	M60	N183	N187			RIGID	None	None	RIGID	Typical
47	M61	N185	N189			RIGID	None	None	RIGID	Typical
48	M62	N186	N190			RIGID	None	None	RIGID	Typical
49	M63	N184	N188			RIGID	None	None	RIGID	Typical
50	MP1	N123	N119A			PIPE_2.0	Column	Pipe	A53 Gr.B	Typical
51	MP2	N125A	N121A			PIPE_2.0	Column	Pipe	A53 Gr.B	Typical
52	MP3	N126A	N122			PIPE_2.0	Column	Pipe	A53 Gr.B	Typical
53	MP4	N124	N120B			PIPE_2.0	Column	Pipe	A53 Gr.B	Typical
54	MP5	N157	N153			PIPE_2.0	Column	Pipe	A53 Gr.B	Typical
55	MP6	N159	N155A			PIPE_2.0	Column	Pipe	A53 Gr.B	Typical
56	MP7	N160A	N156A			PIPE_2.0	Column	Pipe	A53 Gr.B	Typical
57	MP8	N158	N154			PIPE_2.0	Column	Pipe	A53 Gr.B	Typical
58	MP9	N140A	N136A			PIPE_2.0	Column	Pipe	A53 Gr.B	Typical
59	MP10	N142	N138			PIPE_2.0	Column	Pipe	A53 Gr.B	Typical
60	MP11	N143	N139			PIPE_2.0	Column	Pipe	A53 Gr.B	Typical
61	MP12	N141A	N137			PIPE_2.0	Column	Pipe	A53 Gr.B	Typical
62	RL28	N8	N10			RIGID	None	None	RIGID	Typical
63	RL30	N7	N9			RIGID	None	None	RIGID	Typical
64	SA1	N53	N56			HSS4X4X4	Beam	Tube	A500 Gr....	Typical
65	SA2	N113	N135			HSS4X4X4	Beam	Tube	A500 Gr....	Typical
66	SA3	N110B	N95			HSS4X4X4	Beam	Tube	A500 Gr....	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	BRACE-1						Yes	** NA **			None
2	BRACE-2						Yes	** NA **			None
3	BRACE-3						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...
4	FM-BOT-0						Yes	** NA **	+z		None
5	FM-BOT-120						Yes	** NA **	+z		None
6	FM-BOT-240						Yes	** NA **	+z		None
7	HR-0						Yes				None
8	HR-120						Yes				None
9	HR-240						Yes				None
10	HR-CORN-1						Yes				None
11	HR-CORN-2						Yes				None
12	HR-CORN-3						Yes				None
13	LAD-H-1						Yes	** NA **			None
14	LAD-H-2						Yes				None
15	LADDER-R...						Yes	** NA **		Exclude	None
16	LADDER-R...						Yes	** NA **		Exclude	None
17	LADDER-R...						Yes	** NA **		Exclude	None
18	LADDER-R...						Yes	** NA **		Exclude	None
19	LADDER-R...						Yes	** NA **		Exclude	None
20	LADDER-R...						Yes	** NA **		Exclude	None
21	LADDER-R...						Yes	** NA **		Exclude	None
22	LADDER-R...						Yes	** NA **		Exclude	None
23	LADDER-R...						Yes	** NA **		Exclude	None
24	LADDER-R...						Yes	** NA **		Exclude	None
25	LADDER-R...						Yes	** NA **			None
26	M25						Yes	** NA **			None
27	M26						Yes	** NA **			None
28	M27						Yes	** NA **			None
29	M28						Yes	** NA **			None
30	M33						Yes	** NA **			None
31	M34						Yes	** NA **			None
32	M35						Yes	** NA **			None
33	M36						Yes	** NA **			None
34	M41						Yes	** NA **			None
35	M42						Yes	** NA **			None
36	M43						Yes	** NA **			None
37	M44						Yes	** NA **			None
38	M50						Yes	** NA **			None
39	M51						Yes	** NA **			None
40	M52						Yes	** NA **			None
41	M53						Yes	** NA **			None
42	M55						Yes	** NA **			None
43	M56						Yes	** NA **			None
44	M57						Yes	** NA **			None
45	M58						Yes	** NA **			None
46	M60						Yes	** NA **			None
47	M61						Yes	** NA **			None
48	M62						Yes	** NA **			None
49	M63						Yes	** NA **			None
50	MP1						Yes	** NA **			None
51	MP2						Yes	** NA **			None
52	MP3						Yes	** NA **			None
53	MP4						Yes	** NA **			None
54	MP5						Yes	** NA **			None
55	MP6						Yes	** NA **			None
56	MP7						Yes	** NA **			None
57	MP8						Yes	** NA **			None
58	MP9						Yes	** NA **			None
59	MP10						Yes	** NA **			None
60	MP11						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...
61	MP12						Yes	** NA **			None
62	RL28						Yes	** NA **			None
63	RL30						Yes	** NA **			None
64	SA1						Yes				None
65	SA2						Yes				None
66	SA3						Yes				None

Hot Rolled Steel Design Parameters

	Label	Shape	Length[in]	Lbyy[in]	Lbzz[in]	Lcomp top[in]	Lcomp bot[in]	L-torq...	Kyy	Kzz	Cb	Functi...
1	BRACE-1	C5X9	58	29	29							Lateral
2	BRACE-2	C5X9	58	29	29							Lateral
3	BRACE-3	C5X9	58	29	29							Lateral
4	FM-BOT-0	C5X9	141	58	58							Lateral
5	FM-BOT-120	C5X9	141	58	58							Lateral
6	FM-BOT-240	C5X9	141	58	58							Lateral
7	HR-0	PIPE_2.0	138	58	58							Lateral
8	HR-120	PIPE_2.0	138	58	58							Lateral
9	HR-240	PIPE_2.0	138	58	58							Lateral
10	HR-CORN-1	L2.5x2.5x4	15.5									Lateral
11	HR-CORN-2	L2.5x2.5x4	15.5									Lateral
12	HR-CORN-3	L2.5x2.5x4	15.5									Lateral
13	LAD-H-1	C5X9	19.702									Lateral
14	LAD-H-2	C5X9	35.25									Lateral
15	LADDER-R...	L1.75x1.75x2	108									Lateral
16	LADDER-R...	L1.75x1.75x2	108									Lateral
17	LADDER-R...	SR_0.625_HRA	14									Lateral
18	LADDER-R...	SR_0.625_HRA	14									Lateral
19	LADDER-R...	SR_0.625_HRA	14									Lateral
20	LADDER-R...	SR_0.625_HRA	14									Lateral
21	LADDER-R...	SR_0.625_HRA	14									Lateral
22	LADDER-R...	SR_0.625_HRA	14									Lateral
23	LADDER-R...	SR_0.625_HRA	14									Lateral
24	LADDER-R...	SR_0.625_HRA	14									Lateral
25	LADDER-R...	SR_0.625_HRA	14									Lateral
26	MP1	PIPE_2.0	84									Lateral
27	MP2	PIPE_2.0	84									Lateral
28	MP3	PIPE_2.0	84									Lateral
29	MP4	PIPE_2.0	84									Lateral
30	MP5	PIPE_2.0	84									Lateral
31	MP6	PIPE_2.0	84									Lateral
32	MP7	PIPE_2.0	84									Lateral
33	MP8	PIPE_2.0	84									Lateral
34	MP9	PIPE_2.0	84									Lateral
35	MP10	PIPE_2.0	84									Lateral
36	MP11	PIPE_2.0	84									Lateral
37	MP12	PIPE_2.0	84									Lateral
38	SA1	HSS4X4X4	19.177									Lateral
39	SA2	HSS4X4X4	19.177									Lateral
40	SA3	HSS4X4X4	19.177									Lateral

Hot Rolled Steel Properties

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

Member Point Loads (BLC 1 : Dead Load)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	Y	0	%50
2	MP2	Y	0	%50
3	MP3	Y	0	%50
4	MP4	Y	0	%50
5	MP5	Y	0	%50
6	MP6	Y	0	%50
7	MP7	Y	0	%50
8	MP8	Y	0	%50
9	MP9	Y	0	%50
10	MP10	Y	0	%50
11	MP11	Y	0	%50
12	MP12	Y	0	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	26.2	%50
2	MP2	X	51.9	%50
3	MP3	X	51.9	%50
4	MP4	X	14.1	%50
5	MP5	X	26.2	%50
6	MP6	X	51.9	%50
7	MP7	X	51.9	%50
8	MP8	X	14.1	%50
9	MP9	X	26.2	%50
10	MP10	X	51.9	%50
11	MP11	X	51.9	%50
12	MP12	X	14.1	%50
13	MP1	Z	0	%50
14	MP2	Z	0	%50
15	MP3	Z	0	%50
16	MP4	Z	0	%50
17	MP5	Z	0	%50
18	MP6	Z	0	%50
19	MP7	Z	0	%50
20	MP8	Z	0	%50
21	MP9	Z	0	%50
22	MP10	Z	0	%50
23	MP11	Z	0	%50
24	MP12	Z	0	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	28.3	%50
2	MP2	X	44.9	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
3	MP3	X	44.9	%50
4	MP4	X	20.4	%50
5	MP5	X	28.3	%50
6	MP6	X	44.9	%50
7	MP7	X	44.9	%50
8	MP8	X	20.4	%50
9	MP9	X	28.3	%50
10	MP10	X	44.9	%50
11	MP11	X	44.9	%50
12	MP12	X	20.4	%50
13	MP1	Z	16.3	%50
14	MP2	Z	25.9	%50
15	MP3	Z	25.9	%50
16	MP4	Z	11.8	%50
17	MP5	Z	16.3	%50
18	MP6	Z	25.9	%50
19	MP7	Z	25.9	%50
20	MP8	Z	11.8	%50
21	MP9	Z	16.3	%50
22	MP10	Z	25.9	%50
23	MP11	Z	25.9	%50
24	MP12	Z	11.8	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	22.7	%50
2	MP2	X	25.9	%50
3	MP3	X	25.9	%50
4	MP4	X	21.2	%50
5	MP5	X	22.7	%50
6	MP6	X	25.9	%50
7	MP7	X	25.9	%50
8	MP8	X	21.2	%50
9	MP9	X	22.7	%50
10	MP10	X	25.9	%50
11	MP11	X	25.9	%50
12	MP12	X	21.2	%50
13	MP1	Z	39.4	%50
14	MP2	Z	44.9	%50
15	MP3	Z	44.9	%50
16	MP4	Z	36.8	%50
17	MP5	Z	39.4	%50
18	MP6	Z	44.9	%50
19	MP7	Z	44.9	%50
20	MP8	Z	36.8	%50
21	MP9	Z	39.4	%50
22	MP10	Z	44.9	%50
23	MP11	Z	44.9	%50
24	MP12	Z	36.8	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP1	Z	51.9	%50
14	MP2	Z	51.9	%50
15	MP3	Z	51.9	%50
16	MP4	Z	51.9	%50
17	MP5	Z	51.9	%50
18	MP6	Z	51.9	%50
19	MP7	Z	51.9	%50
20	MP8	Z	51.9	%50
21	MP9	Z	51.9	%50
22	MP10	Z	51.9	%50
23	MP11	Z	51.9	%50
24	MP12	Z	51.9	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-22.7	%50
2	MP2	X	-25.9	%50
3	MP3	X	-25.9	%50
4	MP4	X	-21.2	%50
5	MP5	X	-22.7	%50
6	MP6	X	-25.9	%50
7	MP7	X	-25.9	%50
8	MP8	X	-21.2	%50
9	MP9	X	-22.7	%50
10	MP10	X	-25.9	%50
11	MP11	X	-25.9	%50
12	MP12	X	-21.2	%50
13	MP1	Z	39.4	%50
14	MP2	Z	44.9	%50
15	MP3	Z	44.9	%50
16	MP4	Z	36.8	%50
17	MP5	Z	39.4	%50
18	MP6	Z	44.9	%50
19	MP7	Z	44.9	%50
20	MP8	Z	36.8	%50
21	MP9	Z	39.4	%50
22	MP10	Z	44.9	%50
23	MP11	Z	44.9	%50
24	MP12	Z	36.8	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-28.3	%50
2	MP2	X	-44.9	%50
3	MP3	X	-44.9	%50
4	MP4	X	-20.4	%50
5	MP5	X	-28.3	%50
6	MP6	X	-44.9	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
7	MP7	X	-44.9	%50
8	MP8	X	-20.4	%50
9	MP9	X	-28.3	%50
10	MP10	X	-44.9	%50
11	MP11	X	-44.9	%50
12	MP12	X	-20.4	%50
13	MP1	Z	16.3	%50
14	MP2	Z	25.9	%50
15	MP3	Z	25.9	%50
16	MP4	Z	11.8	%50
17	MP5	Z	16.3	%50
18	MP6	Z	25.9	%50
19	MP7	Z	25.9	%50
20	MP8	Z	11.8	%50
21	MP9	Z	16.3	%50
22	MP10	Z	25.9	%50
23	MP11	Z	25.9	%50
24	MP12	Z	11.8	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-26.2	%50
2	MP2	X	-51.9	%50
3	MP3	X	-51.9	%50
4	MP4	X	-14.1	%50
5	MP5	X	-26.2	%50
6	MP6	X	-51.9	%50
7	MP7	X	-51.9	%50
8	MP8	X	-14.1	%50
9	MP9	X	-26.2	%50
10	MP10	X	-51.9	%50
11	MP11	X	-51.9	%50
12	MP12	X	-14.1	%50
13	MP1	Z	0	%50
14	MP2	Z	0	%50
15	MP3	Z	0	%50
16	MP4	Z	0	%50
17	MP5	Z	0	%50
18	MP6	Z	0	%50
19	MP7	Z	0	%50
20	MP8	Z	0	%50
21	MP9	Z	0	%50
22	MP10	Z	0	%50
23	MP11	Z	0	%50
24	MP12	Z	0	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-28.3	%50
2	MP2	X	-44.9	%50
3	MP3	X	-44.9	%50
4	MP4	X	-20.4	%50
5	MP5	X	-28.3	%50
6	MP6	X	-44.9	%50
7	MP7	X	-44.9	%50
8	MP8	X	-20.4	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
9	MP9	X	-28.3	%50
10	MP10	X	-44.9	%50
11	MP11	X	-44.9	%50
12	MP12	X	-20.4	%50
13	MP1	Z	-16.3	%50
14	MP2	Z	-25.9	%50
15	MP3	Z	-25.9	%50
16	MP4	Z	-11.8	%50
17	MP5	Z	-16.3	%50
18	MP6	Z	-25.9	%50
19	MP7	Z	-25.9	%50
20	MP8	Z	-11.8	%50
21	MP9	Z	-16.3	%50
22	MP10	Z	-25.9	%50
23	MP11	Z	-25.9	%50
24	MP12	Z	-11.8	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-22.7	%50
2	MP2	X	-25.9	%50
3	MP3	X	-25.9	%50
4	MP4	X	-21.2	%50
5	MP5	X	-22.7	%50
6	MP6	X	-25.9	%50
7	MP7	X	-25.9	%50
8	MP8	X	-21.2	%50
9	MP9	X	-22.7	%50
10	MP10	X	-25.9	%50
11	MP11	X	-25.9	%50
12	MP12	X	-21.2	%50
13	MP1	Z	-39.4	%50
14	MP2	Z	-44.9	%50
15	MP3	Z	-44.9	%50
16	MP4	Z	-36.8	%50
17	MP5	Z	-39.4	%50
18	MP6	Z	-44.9	%50
19	MP7	Z	-44.9	%50
20	MP8	Z	-36.8	%50
21	MP9	Z	-39.4	%50
22	MP10	Z	-44.9	%50
23	MP11	Z	-44.9	%50
24	MP12	Z	-36.8	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP1	Z	-51.9	%50
14	MP2	Z	-51.9	%50
15	MP3	Z	-51.9	%50
16	MP4	Z	-51.9	%50
17	MP5	Z	-51.9	%50
18	MP6	Z	-51.9	%50
19	MP7	Z	-51.9	%50
20	MP8	Z	-51.9	%50
21	MP9	Z	-51.9	%50
22	MP10	Z	-51.9	%50
23	MP11	Z	-51.9	%50
24	MP12	Z	-51.9	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	22.7	%50
2	MP2	X	25.9	%50
3	MP3	X	25.9	%50
4	MP4	X	21.2	%50
5	MP5	X	22.7	%50
6	MP6	X	25.9	%50
7	MP7	X	25.9	%50
8	MP8	X	21.2	%50
9	MP9	X	22.7	%50
10	MP10	X	25.9	%50
11	MP11	X	25.9	%50
12	MP12	X	21.2	%50
13	MP1	Z	-39.4	%50
14	MP2	Z	-44.9	%50
15	MP3	Z	-44.9	%50
16	MP4	Z	-36.8	%50
17	MP5	Z	-39.4	%50
18	MP6	Z	-44.9	%50
19	MP7	Z	-44.9	%50
20	MP8	Z	-36.8	%50
21	MP9	Z	-39.4	%50
22	MP10	Z	-44.9	%50
23	MP11	Z	-44.9	%50
24	MP12	Z	-36.8	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	28.3	%50
2	MP2	X	44.9	%50
3	MP3	X	44.9	%50
4	MP4	X	20.4	%50
5	MP5	X	28.3	%50
6	MP6	X	44.9	%50
7	MP7	X	44.9	%50
8	MP8	X	20.4	%50
9	MP9	X	28.3	%50
10	MP10	X	44.9	%50
11	MP11	X	44.9	%50
12	MP12	X	20.4	%50

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
13	MP1	Z	-16.3	%50
14	MP2	Z	-25.9	%50
15	MP3	Z	-25.9	%50
16	MP4	Z	-11.8	%50
17	MP5	Z	-16.3	%50
18	MP6	Z	-25.9	%50
19	MP7	Z	-25.9	%50
20	MP8	Z	-11.8	%50
21	MP9	Z	-16.3	%50
22	MP10	Z	-25.9	%50
23	MP11	Z	-25.9	%50
24	MP12	Z	-11.8	%50

Member Point Loads (BLC 14 : Ice Load)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	Y	-34.6	%50
2	MP2	Y	-34.6	%50
3	MP3	Y	-34.6	%50
4	MP4	Y	-34.6	%50
5	MP5	Y	-34.6	%50
6	MP6	Y	-34.6	%50
7	MP7	Y	-34.6	%50
8	MP8	Y	-34.6	%50
9	MP9	Y	-34.6	%50
10	MP10	Y	-34.6	%50
11	MP11	Y	-34.6	%50
12	MP12	Y	-34.6	%50

Member Point Loads (BLC 15 : Wind on Ice (0 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	10	%50
2	MP2	X	17.1	%50
3	MP3	X	17.1	%50
4	MP4	X	5.6	%50
5	MP5	X	10	%50
6	MP6	X	17.1	%50
7	MP7	X	17.1	%50
8	MP8	X	5.6	%50
9	MP9	X	10	%50
10	MP10	X	17.1	%50
11	MP11	X	17.1	%50
12	MP12	X	5.6	%50
13	MP1	Z	0	%50
14	MP2	Z	0	%50
15	MP3	Z	0	%50
16	MP4	Z	0	%50
17	MP5	Z	0	%50
18	MP6	Z	0	%50
19	MP7	Z	0	%50
20	MP8	Z	0	%50
21	MP9	Z	0	%50
22	MP10	Z	0	%50
23	MP11	Z	0	%50
24	MP12	Z	0	%50

Member Point Loads (BLC 16 : Wind on Ice (30 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	10.2	%50
2	MP2	X	14.8	%50
3	MP3	X	14.8	%50
4	MP4	X	7.3	%50
5	MP5	X	10.2	%50
6	MP6	X	14.8	%50
7	MP7	X	14.8	%50
8	MP8	X	7.3	%50
9	MP9	X	10.2	%50
10	MP10	X	14.8	%50
11	MP11	X	14.8	%50
12	MP12	X	7.3	%50
13	MP1	Z	5.9	%50
14	MP2	Z	8.6	%50
15	MP3	Z	8.6	%50
16	MP4	Z	4.2	%50
17	MP5	Z	5.9	%50
18	MP6	Z	8.6	%50
19	MP7	Z	8.6	%50
20	MP8	Z	4.2	%50
21	MP9	Z	5.9	%50
22	MP10	Z	8.6	%50
23	MP11	Z	8.6	%50
24	MP12	Z	4.2	%50

Member Point Loads (BLC 17 : Wind on Ice (60 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	7.7	%50
2	MP2	X	8.6	%50
3	MP3	X	8.6	%50
4	MP4	X	7.1	%50
5	MP5	X	7.7	%50
6	MP6	X	8.6	%50
7	MP7	X	8.6	%50
8	MP8	X	7.1	%50
9	MP9	X	7.7	%50
10	MP10	X	8.6	%50
11	MP11	X	8.6	%50
12	MP12	X	7.1	%50
13	MP1	Z	13.3	%50
14	MP2	Z	14.8	%50
15	MP3	Z	14.8	%50
16	MP4	Z	12.3	%50
17	MP5	Z	13.3	%50
18	MP6	Z	14.8	%50
19	MP7	Z	14.8	%50
20	MP8	Z	12.3	%50
21	MP9	Z	13.3	%50
22	MP10	Z	14.8	%50
23	MP11	Z	14.8	%50
24	MP12	Z	12.3	%50

Member Point Loads (BLC 18 : Wind on Ice (90 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50

Member Point Loads (BLC 18 : Wind on Ice (90 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP1	Z	17.1	%50
14	MP2	Z	17.1	%50
15	MP3	Z	17.1	%50
16	MP4	Z	17.1	%50
17	MP5	Z	17.1	%50
18	MP6	Z	17.1	%50
19	MP7	Z	17.1	%50
20	MP8	Z	17.1	%50
21	MP9	Z	17.1	%50
22	MP10	Z	17.1	%50
23	MP11	Z	17.1	%50
24	MP12	Z	17.1	%50

Member Point Loads (BLC 19 : Wind on Ice (120 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-7.7	%50
2	MP2	X	-8.6	%50
3	MP3	X	-8.6	%50
4	MP4	X	-7.1	%50
5	MP5	X	-7.7	%50
6	MP6	X	-8.6	%50
7	MP7	X	-8.6	%50
8	MP8	X	-7.1	%50
9	MP9	X	-7.7	%50
10	MP10	X	-8.6	%50
11	MP11	X	-8.6	%50
12	MP12	X	-7.1	%50
13	MP1	Z	13.3	%50
14	MP2	Z	14.8	%50
15	MP3	Z	14.8	%50
16	MP4	Z	12.3	%50
17	MP5	Z	13.3	%50
18	MP6	Z	14.8	%50
19	MP7	Z	14.8	%50
20	MP8	Z	12.3	%50
21	MP9	Z	13.3	%50
22	MP10	Z	14.8	%50
23	MP11	Z	14.8	%50
24	MP12	Z	12.3	%50

Member Point Loads (BLC 20 : Wind on Ice (150 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-10.2	%50
2	MP2	X	-14.8	%50
3	MP3	X	-14.8	%50
4	MP4	X	-7.3	%50

Member Point Loads (BLC 20 : Wind on Ice (150 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
5	MP5	X	-10.2	%50
6	MP6	X	-14.8	%50
7	MP7	X	-14.8	%50
8	MP8	X	-7.3	%50
9	MP9	X	-10.2	%50
10	MP10	X	-14.8	%50
11	MP11	X	-14.8	%50
12	MP12	X	-7.3	%50
13	MP1	Z	5.9	%50
14	MP2	Z	8.6	%50
15	MP3	Z	8.6	%50
16	MP4	Z	4.2	%50
17	MP5	Z	5.9	%50
18	MP6	Z	8.6	%50
19	MP7	Z	8.6	%50
20	MP8	Z	4.2	%50
21	MP9	Z	5.9	%50
22	MP10	Z	8.6	%50
23	MP11	Z	8.6	%50
24	MP12	Z	4.2	%50

Member Point Loads (BLC 21 : Wind on Ice (180 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-10	%50
2	MP2	X	-17.1	%50
3	MP3	X	-17.1	%50
4	MP4	X	-5.6	%50
5	MP5	X	-10	%50
6	MP6	X	-17.1	%50
7	MP7	X	-17.1	%50
8	MP8	X	-5.6	%50
9	MP9	X	-10	%50
10	MP10	X	-17.1	%50
11	MP11	X	-17.1	%50
12	MP12	X	-5.6	%50
13	MP1	Z	0	%50
14	MP2	Z	0	%50
15	MP3	Z	0	%50
16	MP4	Z	0	%50
17	MP5	Z	0	%50
18	MP6	Z	0	%50
19	MP7	Z	0	%50
20	MP8	Z	0	%50
21	MP9	Z	0	%50
22	MP10	Z	0	%50
23	MP11	Z	0	%50
24	MP12	Z	0	%50

Member Point Loads (BLC 22 : Wind on Ice (210 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-10.2	%50
2	MP2	X	-14.8	%50
3	MP3	X	-14.8	%50
4	MP4	X	-7.3	%50
5	MP5	X	-10.2	%50
6	MP6	X	-14.8	%50

Member Point Loads (BLC 22 : Wind on Ice (210 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
7	MP7	X	-14.8	%50
8	MP8	X	-7.3	%50
9	MP9	X	-10.2	%50
10	MP10	X	-14.8	%50
11	MP11	X	-14.8	%50
12	MP12	X	-7.3	%50
13	MP1	Z	-5.9	%50
14	MP2	Z	-8.6	%50
15	MP3	Z	-8.6	%50
16	MP4	Z	-4.2	%50
17	MP5	Z	-5.9	%50
18	MP6	Z	-8.6	%50
19	MP7	Z	-8.6	%50
20	MP8	Z	-4.2	%50
21	MP9	Z	-5.9	%50
22	MP10	Z	-8.6	%50
23	MP11	Z	-8.6	%50
24	MP12	Z	-4.2	%50

Member Point Loads (BLC 23 : Wind on Ice (240 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-7.7	%50
2	MP2	X	-8.6	%50
3	MP3	X	-8.6	%50
4	MP4	X	-7.1	%50
5	MP5	X	-7.7	%50
6	MP6	X	-8.6	%50
7	MP7	X	-8.6	%50
8	MP8	X	-7.1	%50
9	MP9	X	-7.7	%50
10	MP10	X	-8.6	%50
11	MP11	X	-8.6	%50
12	MP12	X	-7.1	%50
13	MP1	Z	-13.3	%50
14	MP2	Z	-14.8	%50
15	MP3	Z	-14.8	%50
16	MP4	Z	-12.3	%50
17	MP5	Z	-13.3	%50
18	MP6	Z	-14.8	%50
19	MP7	Z	-14.8	%50
20	MP8	Z	-12.3	%50
21	MP9	Z	-13.3	%50
22	MP10	Z	-14.8	%50
23	MP11	Z	-14.8	%50
24	MP12	Z	-12.3	%50

Member Point Loads (BLC 24 : Wind on Ice (270 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50

Member Point Loads (BLC 24 : Wind on Ice (270 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP1	Z	-17.1	%50
14	MP2	Z	-17.1	%50
15	MP3	Z	-17.1	%50
16	MP4	Z	-17.1	%50
17	MP5	Z	-17.1	%50
18	MP6	Z	-17.1	%50
19	MP7	Z	-17.1	%50
20	MP8	Z	-17.1	%50
21	MP9	Z	-17.1	%50
22	MP10	Z	-17.1	%50
23	MP11	Z	-17.1	%50
24	MP12	Z	-17.1	%50

Member Point Loads (BLC 25 : Wind on Ice (300 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	7.7	%50
2	MP2	X	8.6	%50
3	MP3	X	8.6	%50
4	MP4	X	7.1	%50
5	MP5	X	7.7	%50
6	MP6	X	8.6	%50
7	MP7	X	8.6	%50
8	MP8	X	7.1	%50
9	MP9	X	7.7	%50
10	MP10	X	8.6	%50
11	MP11	X	8.6	%50
12	MP12	X	7.1	%50
13	MP1	Z	-13.3	%50
14	MP2	Z	-14.8	%50
15	MP3	Z	-14.8	%50
16	MP4	Z	-12.3	%50
17	MP5	Z	-13.3	%50
18	MP6	Z	-14.8	%50
19	MP7	Z	-14.8	%50
20	MP8	Z	-12.3	%50
21	MP9	Z	-13.3	%50
22	MP10	Z	-14.8	%50
23	MP11	Z	-14.8	%50
24	MP12	Z	-12.3	%50

Member Point Loads (BLC 26 : Wind on Ice (330 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	10.2	%50
2	MP2	X	14.8	%50
3	MP3	X	14.8	%50
4	MP4	X	7.3	%50
5	MP5	X	10.2	%50
6	MP6	X	14.8	%50
7	MP7	X	14.8	%50
8	MP8	X	7.3	%50
9	MP9	X	10.2	%50
10	MP10	X	14.8	%50

Member Point Loads (BLC 26 : Wind on Ice (330 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
11	MP11	X	14.8	%50
12	MP12	X	7.3	%50
13	MP1	Z	-5.9	%50
14	MP2	Z	-8.6	%50
15	MP3	Z	-8.6	%50
16	MP4	Z	-4.2	%50
17	MP5	Z	-5.9	%50
18	MP6	Z	-8.6	%50
19	MP7	Z	-8.6	%50
20	MP8	Z	-4.2	%50
21	MP9	Z	-5.9	%50
22	MP10	Z	-8.6	%50
23	MP11	Z	-8.6	%50
24	MP12	Z	-4.2	%50

Member Point Loads (BLC 27 : Horizontal Seismic, Eh (0))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP1	Z	0	%50
14	MP2	Z	0	%50
15	MP3	Z	0	%50
16	MP4	Z	0	%50
17	MP5	Z	0	%50
18	MP6	Z	0	%50
19	MP7	Z	0	%50
20	MP8	Z	0	%50
21	MP9	Z	0	%50
22	MP10	Z	0	%50
23	MP11	Z	0	%50
24	MP12	Z	0	%50

Member Point Loads (BLC 28 : Horizontal Seismic, Eh (30))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50

Member Point Loads (BLC 28 : Horizontal Seismic, Eh (30)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
13	MP1	Z	0	%50
14	MP2	Z	0	%50
15	MP3	Z	0	%50
16	MP4	Z	0	%50
17	MP5	Z	0	%50
18	MP6	Z	0	%50
19	MP7	Z	0	%50
20	MP8	Z	0	%50
21	MP9	Z	0	%50
22	MP10	Z	0	%50
23	MP11	Z	0	%50
24	MP12	Z	0	%50

Member Point Loads (BLC 29 : Horizontal Seismic, Eh (60))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP1	Z	0	%50
14	MP2	Z	0	%50
15	MP3	Z	0	%50
16	MP4	Z	0	%50
17	MP5	Z	0	%50
18	MP6	Z	0	%50
19	MP7	Z	0	%50
20	MP8	Z	0	%50
21	MP9	Z	0	%50
22	MP10	Z	0	%50
23	MP11	Z	0	%50
24	MP12	Z	0	%50

Member Point Loads (BLC 30 : Horizontal Seismic, Eh (90))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP1	Z	0	%50
14	MP2	Z	0	%50

Member Point Loads (BLC 30 : Horizontal Seismic, Eh (90)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
15	MP3	Z	0	%50
16	MP4	Z	0	%50
17	MP5	Z	0	%50
18	MP6	Z	0	%50
19	MP7	Z	0	%50
20	MP8	Z	0	%50
21	MP9	Z	0	%50
22	MP10	Z	0	%50
23	MP11	Z	0	%50
24	MP12	Z	0	%50

Member Point Loads (BLC 31 : Horizontal Seismic, Eh (120))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP1	Z	0	%50
14	MP2	Z	0	%50
15	MP3	Z	0	%50
16	MP4	Z	0	%50
17	MP5	Z	0	%50
18	MP6	Z	0	%50
19	MP7	Z	0	%50
20	MP8	Z	0	%50
21	MP9	Z	0	%50
22	MP10	Z	0	%50
23	MP11	Z	0	%50
24	MP12	Z	0	%50

Member Point Loads (BLC 32 : Horizontal Seismic, Eh (150))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP1	Z	0	%50
14	MP2	Z	0	%50
15	MP3	Z	0	%50
16	MP4	Z	0	%50

Member Point Loads (BLC 32 : Horizontal Seismic, Eh (150)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
17	MP5	Z	0	%50
18	MP6	Z	0	%50
19	MP7	Z	0	%50
20	MP8	Z	0	%50
21	MP9	Z	0	%50
22	MP10	Z	0	%50
23	MP11	Z	0	%50
24	MP12	Z	0	%50

Member Point Loads (BLC 33 : Horizontal Seismic, Eh (180))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP1	Z	0	%50
14	MP2	Z	0	%50
15	MP3	Z	0	%50
16	MP4	Z	0	%50
17	MP5	Z	0	%50
18	MP6	Z	0	%50
19	MP7	Z	0	%50
20	MP8	Z	0	%50
21	MP9	Z	0	%50
22	MP10	Z	0	%50
23	MP11	Z	0	%50
24	MP12	Z	0	%50

Member Point Loads (BLC 34 : Horizontal Seismic, Eh (210))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP1	Z	0	%50
14	MP2	Z	0	%50
15	MP3	Z	0	%50
16	MP4	Z	0	%50
17	MP5	Z	0	%50
18	MP6	Z	0	%50

Member Point Loads (BLC 34 : Horizontal Seismic, Eh (210)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
19	MP7	Z	0	%50
20	MP8	Z	0	%50
21	MP9	Z	0	%50
22	MP10	Z	0	%50
23	MP11	Z	0	%50
24	MP12	Z	0	%50

Member Point Loads (BLC 35 : Horizontal Seismic, Eh (240))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP1	Z	0	%50
14	MP2	Z	0	%50
15	MP3	Z	0	%50
16	MP4	Z	0	%50
17	MP5	Z	0	%50
18	MP6	Z	0	%50
19	MP7	Z	0	%50
20	MP8	Z	0	%50
21	MP9	Z	0	%50
22	MP10	Z	0	%50
23	MP11	Z	0	%50
24	MP12	Z	0	%50

Member Point Loads (BLC 36 : Horizontal Seismic, Eh (270))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP1	Z	0	%50
14	MP2	Z	0	%50
15	MP3	Z	0	%50
16	MP4	Z	0	%50
17	MP5	Z	0	%50
18	MP6	Z	0	%50
19	MP7	Z	0	%50
20	MP8	Z	0	%50

Member Point Loads (BLC 36 : Horizontal Seismic, Eh (270)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
21	MP9	Z	0	%50
22	MP10	Z	0	%50
23	MP11	Z	0	%50
24	MP12	Z	0	%50

Member Point Loads (BLC 37 : Horizontal Seismic, Eh (300))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP1	Z	0	%50
14	MP2	Z	0	%50
15	MP3	Z	0	%50
16	MP4	Z	0	%50
17	MP5	Z	0	%50
18	MP6	Z	0	%50
19	MP7	Z	0	%50
20	MP8	Z	0	%50
21	MP9	Z	0	%50
22	MP10	Z	0	%50
23	MP11	Z	0	%50
24	MP12	Z	0	%50

Member Point Loads (BLC 38 : Horizontal Seismic, Eh (330))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP1	Z	0	%50
14	MP2	Z	0	%50
15	MP3	Z	0	%50
16	MP4	Z	0	%50
17	MP5	Z	0	%50
18	MP6	Z	0	%50
19	MP7	Z	0	%50
20	MP8	Z	0	%50
21	MP9	Z	0	%50
22	MP10	Z	0	%50

Member Point Loads (BLC 38 : Horizontal Seismic, Eh (330)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
23	MP11	Z	0	%50
24	MP12	Z	0	%50

Member Point Loads (BLC 39 : Maintenance Load, Lm (MP1))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	Y	-500	%50

Member Point Loads (BLC 40 : Maintenance Load, Lm (MP2))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP2	Y	-500	%50

Member Point Loads (BLC 41 : Maintenance Load, Lm (MP3))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP3	Y	-500	%50

Member Point Loads (BLC 42 : Maintenance Load, Lm (MP4))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP4	Y	-500	%50

Member Point Loads (BLC 43 : Maintenance Load, Lm (MP5))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP5	Y	-500	%50

Member Point Loads (BLC 44 : Maintenance Load, Lm (MP6))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP6	Y	-500	%50

Member Point Loads (BLC 45 : Maintenance Load, Lm (MP7))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP7	Y	-500	%50

Member Point Loads (BLC 46 : Maintenance Load, Lm (MP8))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP8	Y	-500	%50

Member Point Loads (BLC 47 : Maintenance Load, Lm (MP9))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP9	Y	-500	%50

Member Point Loads (BLC 48 : Maintenance Load, Lm (MP10))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP10	Y	-500	%50

Member Point Loads (BLC 49 : Maintenance Load, Lm (MP11))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP11	Y	-500	%50

Member Point Loads (BLC 50 : Maintenance Load, Lm (MP12))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP12	Y	-500	%50

Member Point Loads (BLC 75 : Maintenance Load, Lv (Pos. 1))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	FM-BOT-0	Y	-250	0

Member Point Loads (BLC 76 : Maintenance Load, Lv (Pos. 2))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	FM-BOT-0	Y	-250	%50

Member Point Loads (BLC 77 : Maintenance Load, Lv (Pos. 3))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	FM-BOT-0	Y	-250	%100

Member Point Loads (BLC 78 : Maintenance Load, Lv (Pos. 4))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	FM-BOT-120	Y	-250	0

Member Point Loads (BLC 79 : Maintenance Load, Lv (Pos. 5))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	FM-BOT-120	Y	-250	%50

Member Point Loads (BLC 80 : Maintenance Load, Lv (Pos. 6))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	FM-BOT-120	Y	-250	%100

Member Point Loads (BLC 81 : Maintenance Load, Lv (Pos. 7))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	FM-BOT-240	Y	-250	0

Member Point Loads (BLC 82 : Maintenance Load, Lv (Pos. 8))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	FM-BOT-240	Y	-250	%50

Member Point Loads (BLC 83 : Maintenance Load, Lv (Pos. 9))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	FM-BOT-240	Y	-250	%100

Member Point Loads (BLC 84 : Maintenance Load, Lv (Pos. 10))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	LAD-H-1	Y	-250	0

Member Point Loads (BLC 85 : Maintenance Load, Lv (Pos. 11))

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

Member Point Loads (BLC 86 : Maintenance Load, Lv (Pos. 12))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	LAD-H-1	Y	-250	%100

Member Point Loads (BLC 87 : Maintenance Load, Lv (Pos. 13))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	LAD-H-2	Y	-250	0

Member Point Loads (BLC 88 : Maintenance Load, Lv (Pos. 14))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	LAD-H-2	Y	-250	%50

Member Point Loads (BLC 89 : Maintenance Load, Lv (Pos. 15))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	LAD-H-2	Y	-250	%100

Member Point Loads (BLC 90 : Maintenance Load, Lv (Pos. 16))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	SA1	Y	-250	%100

Member Point Loads (BLC 91 : Maintenance Load, Lv (Pos. 17))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	SA2	Y	-250	%100

Member Point Loads (BLC 92 : Maintenance Load, Lv (Pos. 18))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	SA3	Y	-250	%100

Member Point Loads (BLC 93 : Maintenance Load, Lv (Pos. 19))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	HR-0	Y	-250	%50

Member Point Loads (BLC 94 : Maintenance Load, Lv (Pos. 20))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	HR-120	Y	-250	%50

Member Point Loads (BLC 95 : Maintenance Load, Lv (Pos. 21))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	HR-240	Y	-250	%50

Member Point Loads (BLC 175 : Antenna Dead Load)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	Y	-52	%44.583
2	MP1	Y	-52	%69.702
3	MP4	Y	-66.1	%30.595
4	MP4	Y	-66.1	%83.69
5	MP5	Y	-52	%44.583
6	MP5	Y	-52	%69.702
7	MP8	Y	-66.1	%30.595
8	MP8	Y	-66.1	%83.69
9	MP9	Y	-52	%44.583
10	MP9	Y	-52	%69.702
11	MP12	Y	-66.1	%30.595
12	MP12	Y	-66.1	%83.69

Member Point Loads (BLC 176 : Antenna Wind Load (0 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	88.8	%44.583
2	MP1	X	88.8	%69.702
3	MP4	X	101.7	%30.595
4	MP4	X	101.7	%83.69
5	MP5	X	88.8	%44.583

Member Point Loads (BLC 176 : Antenna Wind Load (0 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
6	MP5	X	88.8	%69.702
7	MP8	X	101.7	%30.595
8	MP8	X	101.7	%83.69
9	MP9	X	88.8	%44.583
10	MP9	X	88.8	%69.702
11	MP12	X	101.7	%30.595
12	MP12	X	101.7	%83.69
13	MP1	Z	0	0
14	MP1	Z	0	0
15	MP4	Z	0	0
16	MP4	Z	0	0
17	MP5	Z	0	0
18	MP5	Z	0	0
19	MP8	Z	0	0
20	MP8	Z	0	0
21	MP9	Z	0	0
22	MP9	Z	0	0
23	MP12	Z	0	0
24	MP12	Z	0	0

Member Point Loads (BLC 177 : Antenna Wind Load (30 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	66.1	%44.583
2	MP1	X	66.1	%69.702
3	MP4	X	82	%30.595
4	MP4	X	82	%83.69
5	MP5	X	66.1	%44.583
6	MP5	X	66.1	%69.702
7	MP8	X	82	%30.595
8	MP8	X	82	%83.69
9	MP9	X	66.1	%44.583
10	MP9	X	66.1	%69.702
11	MP12	X	82	%30.595
12	MP12	X	82	%83.69
13	MP1	Z	38.2	%44.583
14	MP1	Z	38.2	%69.702
15	MP4	Z	47.3	%30.595
16	MP4	Z	47.3	%83.69
17	MP5	Z	38.2	%44.583
18	MP5	Z	38.2	%69.702
19	MP8	Z	47.3	%30.595
20	MP8	Z	47.3	%83.69
21	MP9	Z	38.2	%44.583
22	MP9	Z	38.2	%69.702
23	MP12	Z	47.3	%30.595
24	MP12	Z	47.3	%83.69

Member Point Loads (BLC 178 : Antenna Wind Load (60 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	25.7	%44.583
2	MP1	X	25.7	%69.702
3	MP4	X	40.3	%30.595
4	MP4	X	40.3	%83.69
5	MP5	X	25.7	%44.583
6	MP5	X	25.7	%69.702
7	MP8	X	40.3	%30.595

Member Point Loads (BLC 178 : Antenna Wind Load (60 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
8	MP8	X	40.3	%83.69
9	MP9	X	25.7	%44.583
10	MP9	X	25.7	%69.702
11	MP12	X	40.3	%30.595
12	MP12	X	40.3	%83.69
13	MP1	Z	44.5	%44.583
14	MP1	Z	44.5	%69.702
15	MP4	Z	69.8	%30.595
16	MP4	Z	69.8	%83.69
17	MP5	Z	44.5	%44.583
18	MP5	Z	44.5	%69.702
19	MP8	Z	69.8	%30.595
20	MP8	Z	69.8	%83.69
21	MP9	Z	44.5	%44.583
22	MP9	Z	44.5	%69.702
23	MP12	Z	69.8	%30.595
24	MP12	Z	69.8	%83.69

Member Point Loads (BLC 179 : Antenna Wind Load (90 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	0
2	MP1	X	0	0
3	MP4	X	0	0
4	MP4	X	0	0
5	MP5	X	0	0
6	MP5	X	0	0
7	MP8	X	0	0
8	MP8	X	0	0
9	MP9	X	0	0
10	MP9	X	0	0
11	MP12	X	0	0
12	MP12	X	0	0
13	MP1	Z	38.9	%44.583
14	MP1	Z	38.9	%69.702
15	MP4	Z	73.6	%30.595
16	MP4	Z	73.6	%83.69
17	MP5	Z	38.9	%44.583
18	MP5	Z	38.9	%69.702
19	MP8	Z	73.6	%30.595
20	MP8	Z	73.6	%83.69
21	MP9	Z	38.9	%44.583
22	MP9	Z	38.9	%69.702
23	MP12	Z	73.6	%30.595
24	MP12	Z	73.6	%83.69

Member Point Loads (BLC 180 : Antenna Wind Load (120 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-25.7	%44.583
2	MP1	X	-25.7	%69.702
3	MP4	X	-40.3	%30.595
4	MP4	X	-40.3	%83.69
5	MP5	X	-25.7	%44.583
6	MP5	X	-25.7	%69.702
7	MP8	X	-40.3	%30.595
8	MP8	X	-40.3	%83.69
9	MP9	X	-25.7	%44.583

Member Point Loads (BLC 180 : Antenna Wind Load (120 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
10	MP9	X	-25.7	%69.702
11	MP12	X	-40.3	%30.595
12	MP12	X	-40.3	%83.69
13	MP1	Z	44.5	%44.583
14	MP1	Z	44.5	%69.702
15	MP4	Z	69.8	%30.595
16	MP4	Z	69.8	%83.69
17	MP5	Z	44.5	%44.583
18	MP5	Z	44.5	%69.702
19	MP8	Z	69.8	%30.595
20	MP8	Z	69.8	%83.69
21	MP9	Z	44.5	%44.583
22	MP9	Z	44.5	%69.702
23	MP12	Z	69.8	%30.595
24	MP12	Z	69.8	%83.69

Member Point Loads (BLC 181 : Antenna Wind Load (150 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-66.1	%44.583
2	MP1	X	-66.1	%69.702
3	MP4	X	-82	%30.595
4	MP4	X	-82	%83.69
5	MP5	X	-66.1	%44.583
6	MP5	X	-66.1	%69.702
7	MP8	X	-82	%30.595
8	MP8	X	-82	%83.69
9	MP9	X	-66.1	%44.583
10	MP9	X	-66.1	%69.702
11	MP12	X	-82	%30.595
12	MP12	X	-82	%83.69
13	MP1	Z	38.2	%44.583
14	MP1	Z	38.2	%69.702
15	MP4	Z	47.3	%30.595
16	MP4	Z	47.3	%83.69
17	MP5	Z	38.2	%44.583
18	MP5	Z	38.2	%69.702
19	MP8	Z	47.3	%30.595
20	MP8	Z	47.3	%83.69
21	MP9	Z	38.2	%44.583
22	MP9	Z	38.2	%69.702
23	MP12	Z	47.3	%30.595
24	MP12	Z	47.3	%83.69

Member Point Loads (BLC 182 : Antenna Wind Load (180 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-88.8	%44.583
2	MP1	X	-88.8	%69.702
3	MP4	X	-101.7	%30.595
4	MP4	X	-101.7	%83.69
5	MP5	X	-88.8	%44.583
6	MP5	X	-88.8	%69.702
7	MP8	X	-101.7	%30.595
8	MP8	X	-101.7	%83.69
9	MP9	X	-88.8	%44.583
10	MP9	X	-88.8	%69.702
11	MP12	X	-101.7	%30.595

Member Point Loads (BLC 182 : Antenna Wind Load (180 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
12	MP12	X	-101.7	%83.69
13	MP1	Z	0	0
14	MP1	Z	0	0
15	MP4	Z	0	0
16	MP4	Z	0	0
17	MP5	Z	0	0
18	MP5	Z	0	0
19	MP8	Z	0	0
20	MP8	Z	0	0
21	MP9	Z	0	0
22	MP9	Z	0	0
23	MP12	Z	0	0
24	MP12	Z	0	0

Member Point Loads (BLC 183 : Antenna Wind Load (210 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-66.1	%44.583
2	MP1	X	-66.1	%69.702
3	MP4	X	-82	%30.595
4	MP4	X	-82	%83.69
5	MP5	X	-66.1	%44.583
6	MP5	X	-66.1	%69.702
7	MP8	X	-82	%30.595
8	MP8	X	-82	%83.69
9	MP9	X	-66.1	%44.583
10	MP9	X	-66.1	%69.702
11	MP12	X	-82	%30.595
12	MP12	X	-82	%83.69
13	MP1	Z	-38.2	%44.583
14	MP1	Z	-38.2	%69.702
15	MP4	Z	-47.3	%30.595
16	MP4	Z	-47.3	%83.69
17	MP5	Z	-38.2	%44.583
18	MP5	Z	-38.2	%69.702
19	MP8	Z	-47.3	%30.595
20	MP8	Z	-47.3	%83.69
21	MP9	Z	-38.2	%44.583
22	MP9	Z	-38.2	%69.702
23	MP12	Z	-47.3	%30.595
24	MP12	Z	-47.3	%83.69

Member Point Loads (BLC 184 : Antenna Wind Load (240 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-25.7	%44.583
2	MP1	X	-25.7	%69.702
3	MP4	X	-40.3	%30.595
4	MP4	X	-40.3	%83.69
5	MP5	X	-25.7	%44.583
6	MP5	X	-25.7	%69.702
7	MP8	X	-40.3	%30.595
8	MP8	X	-40.3	%83.69
9	MP9	X	-25.7	%44.583
10	MP9	X	-25.7	%69.702
11	MP12	X	-40.3	%30.595
12	MP12	X	-40.3	%83.69
13	MP1	Z	-44.5	%44.583

Member Point Loads (BLC 184 : Antenna Wind Load (240 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
14	MP1	Z	-44.5	%69.702
15	MP4	Z	-69.8	%30.595
16	MP4	Z	-69.8	%83.69
17	MP5	Z	-44.5	%44.583
18	MP5	Z	-44.5	%69.702
19	MP8	Z	-69.8	%30.595
20	MP8	Z	-69.8	%83.69
21	MP9	Z	-44.5	%44.583
22	MP9	Z	-44.5	%69.702
23	MP12	Z	-69.8	%30.595
24	MP12	Z	-69.8	%83.69

Member Point Loads (BLC 185 : Antenna Wind Load (270 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	0
2	MP1	X	0	0
3	MP4	X	0	0
4	MP4	X	0	0
5	MP5	X	0	0
6	MP5	X	0	0
7	MP8	X	0	0
8	MP8	X	0	0
9	MP9	X	0	0
10	MP9	X	0	0
11	MP12	X	0	0
12	MP12	X	0	0
13	MP1	Z	-38.9	%44.583
14	MP1	Z	-38.9	%69.702
15	MP4	Z	-73.6	%30.595
16	MP4	Z	-73.6	%83.69
17	MP5	Z	-38.9	%44.583
18	MP5	Z	-38.9	%69.702
19	MP8	Z	-73.6	%30.595
20	MP8	Z	-73.6	%83.69
21	MP9	Z	-38.9	%44.583
22	MP9	Z	-38.9	%69.702
23	MP12	Z	-73.6	%30.595
24	MP12	Z	-73.6	%83.69

Member Point Loads (BLC 186 : Antenna Wind Load (300 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	25.7	%44.583
2	MP1	X	25.7	%69.702
3	MP4	X	40.3	%30.595
4	MP4	X	40.3	%83.69
5	MP5	X	25.7	%44.583
6	MP5	X	25.7	%69.702
7	MP8	X	40.3	%30.595
8	MP8	X	40.3	%83.69
9	MP9	X	25.7	%44.583
10	MP9	X	25.7	%69.702
11	MP12	X	40.3	%30.595
12	MP12	X	40.3	%83.69
13	MP1	Z	-44.5	%44.583
14	MP1	Z	-44.5	%69.702
15	MP4	Z	-69.8	%30.595

Member Point Loads (BLC 186 : Antenna Wind Load (300 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
16	MP4	Z	-69.8	%83.69
17	MP5	Z	-44.5	%44.583
18	MP5	Z	-44.5	%69.702
19	MP8	Z	-69.8	%30.595
20	MP8	Z	-69.8	%83.69
21	MP9	Z	-44.5	%44.583
22	MP9	Z	-44.5	%69.702
23	MP12	Z	-69.8	%30.595
24	MP12	Z	-69.8	%83.69

Member Point Loads (BLC 187 : Antenna Wind Load (330 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	66.1	%44.583
2	MP1	X	66.1	%69.702
3	MP4	X	82	%30.595
4	MP4	X	82	%83.69
5	MP5	X	66.1	%44.583
6	MP5	X	66.1	%69.702
7	MP8	X	82	%30.595
8	MP8	X	82	%83.69
9	MP9	X	66.1	%44.583
10	MP9	X	66.1	%69.702
11	MP12	X	82	%30.595
12	MP12	X	82	%83.69
13	MP1	Z	-38.2	%44.583
14	MP1	Z	-38.2	%69.702
15	MP4	Z	-47.3	%30.595
16	MP4	Z	-47.3	%83.69
17	MP5	Z	-38.2	%44.583
18	MP5	Z	-38.2	%69.702
19	MP8	Z	-47.3	%30.595
20	MP8	Z	-47.3	%83.69
21	MP9	Z	-38.2	%44.583
22	MP9	Z	-38.2	%69.702
23	MP12	Z	-47.3	%30.595
24	MP12	Z	-47.3	%83.69

Member Point Loads (BLC 188 : Antenna Ice Load)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	Y	-45.4	%44.583
2	MP1	Y	-45.4	%69.702
3	MP4	Y	-55.3	%30.595
4	MP4	Y	-55.3	%83.69
5	MP5	Y	-45.4	%44.583
6	MP5	Y	-45.4	%69.702
7	MP8	Y	-55.3	%30.595
8	MP8	Y	-55.3	%83.69
9	MP9	Y	-45.4	%44.583
10	MP9	Y	-45.4	%69.702
11	MP12	Y	-55.3	%30.595
12	MP12	Y	-55.3	%83.69

Member Point Loads (BLC 189 : Antenna Wind on Ice (0 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	17.6	%44.583

Member Point Loads (BLC 189 : Antenna Wind on Ice (0 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
2	MP1	X	17.6	%69.702
3	MP4	X	20.6	%30.595
4	MP4	X	20.6	%83.69
5	MP5	X	17.6	%44.583
6	MP5	X	17.6	%69.702
7	MP8	X	20.6	%30.595
8	MP8	X	20.6	%83.69
9	MP9	X	17.6	%44.583
10	MP9	X	17.6	%69.702
11	MP12	X	20.6	%30.595
12	MP12	X	20.6	%83.69
13	MP1	Z	0	0
14	MP1	Z	0	0
15	MP4	Z	0	0
16	MP4	Z	0	0
17	MP5	Z	0	0
18	MP5	Z	0	0
19	MP8	Z	0	0
20	MP8	Z	0	0
21	MP9	Z	0	0
22	MP9	Z	0	0
23	MP12	Z	0	0
24	MP12	Z	0	0

Member Point Loads (BLC 190 : Antenna Wind on Ice (30 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	13.3	%44.583
2	MP1	X	13.3	%69.702
3	MP4	X	16.7	%30.595
4	MP4	X	16.7	%83.69
5	MP5	X	13.3	%44.583
6	MP5	X	13.3	%69.702
7	MP8	X	16.7	%30.595
8	MP8	X	16.7	%83.69
9	MP9	X	13.3	%44.583
10	MP9	X	13.3	%69.702
11	MP12	X	16.7	%30.595
12	MP12	X	16.7	%83.69
13	MP1	Z	7.7	%44.583
14	MP1	Z	7.7	%69.702
15	MP4	Z	9.7	%30.595
16	MP4	Z	9.7	%83.69
17	MP5	Z	7.7	%44.583
18	MP5	Z	7.7	%69.702
19	MP8	Z	9.7	%30.595
20	MP8	Z	9.7	%83.69
21	MP9	Z	7.7	%44.583
22	MP9	Z	7.7	%69.702
23	MP12	Z	9.7	%30.595
24	MP12	Z	9.7	%83.69

Member Point Loads (BLC 191 : Antenna Wind on Ice (60 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	5.4	%44.583
2	MP1	X	5.4	%69.702
3	MP4	X	8.4	%30.595

Member Point Loads (BLC 191 : Antenna Wind on Ice (60 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
4	MP4	X	8.4	%83.69
5	MP5	X	5.4	%44.583
6	MP5	X	5.4	%69.702
7	MP8	X	8.4	%30.595
8	MP8	X	8.4	%83.69
9	MP9	X	5.4	%44.583
10	MP9	X	5.4	%69.702
11	MP12	X	8.4	%30.595
12	MP12	X	8.4	%83.69
13	MP1	Z	9.4	%44.583
14	MP1	Z	9.4	%69.702
15	MP4	Z	14.6	%30.595
16	MP4	Z	14.6	%83.69
17	MP5	Z	9.4	%44.583
18	MP5	Z	9.4	%69.702
19	MP8	Z	14.6	%30.595
20	MP8	Z	14.6	%83.69
21	MP9	Z	9.4	%44.583
22	MP9	Z	9.4	%69.702
23	MP12	Z	14.6	%30.595
24	MP12	Z	14.6	%83.69

Member Point Loads (BLC 192 : Antenna Wind on Ice (90 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	0
2	MP1	X	0	0
3	MP4	X	0	0
4	MP4	X	0	0
5	MP5	X	0	0
6	MP5	X	0	0
7	MP8	X	0	0
8	MP8	X	0	0
9	MP9	X	0	0
10	MP9	X	0	0
11	MP12	X	0	0
12	MP12	X	0	0
13	MP1	Z	8.5	%44.583
14	MP1	Z	8.5	%69.702
15	MP4	Z	15.6	%30.595
16	MP4	Z	15.6	%83.69
17	MP5	Z	8.5	%44.583
18	MP5	Z	8.5	%69.702
19	MP8	Z	15.6	%30.595
20	MP8	Z	15.6	%83.69
21	MP9	Z	8.5	%44.583
22	MP9	Z	8.5	%69.702
23	MP12	Z	15.6	%30.595
24	MP12	Z	15.6	%83.69

Member Point Loads (BLC 193 : Antenna Wind on Ice (120 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-5.4	%44.583
2	MP1	X	-5.4	%69.702
3	MP4	X	-8.4	%30.595
4	MP4	X	-8.4	%83.69
5	MP5	X	-5.4	%44.583

Member Point Loads (BLC 193 : Antenna Wind on Ice (120 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
6	MP5	X	-5.4	%69.702
7	MP8	X	-8.4	%30.595
8	MP8	X	-8.4	%83.69
9	MP9	X	-5.4	%44.583
10	MP9	X	-5.4	%69.702
11	MP12	X	-8.4	%30.595
12	MP12	X	-8.4	%83.69
13	MP1	Z	9.4	%44.583
14	MP1	Z	9.4	%69.702
15	MP4	Z	14.6	%30.595
16	MP4	Z	14.6	%83.69
17	MP5	Z	9.4	%44.583
18	MP5	Z	9.4	%69.702
19	MP8	Z	14.6	%30.595
20	MP8	Z	14.6	%83.69
21	MP9	Z	9.4	%44.583
22	MP9	Z	9.4	%69.702
23	MP12	Z	14.6	%30.595
24	MP12	Z	14.6	%83.69

Member Point Loads (BLC 194 : Antenna Wind on Ice (150 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-13.3	%44.583
2	MP1	X	-13.3	%69.702
3	MP4	X	-16.7	%30.595
4	MP4	X	-16.7	%83.69
5	MP5	X	-13.3	%44.583
6	MP5	X	-13.3	%69.702
7	MP8	X	-16.7	%30.595
8	MP8	X	-16.7	%83.69
9	MP9	X	-13.3	%44.583
10	MP9	X	-13.3	%69.702
11	MP12	X	-16.7	%30.595
12	MP12	X	-16.7	%83.69
13	MP1	Z	7.7	%44.583
14	MP1	Z	7.7	%69.702
15	MP4	Z	9.7	%30.595
16	MP4	Z	9.7	%83.69
17	MP5	Z	7.7	%44.583
18	MP5	Z	7.7	%69.702
19	MP8	Z	9.7	%30.595
20	MP8	Z	9.7	%83.69
21	MP9	Z	7.7	%44.583
22	MP9	Z	7.7	%69.702
23	MP12	Z	9.7	%30.595
24	MP12	Z	9.7	%83.69

Member Point Loads (BLC 195 : Antenna Wind on Ice (180 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-17.6	%44.583
2	MP1	X	-17.6	%69.702
3	MP4	X	-20.6	%30.595
4	MP4	X	-20.6	%83.69
5	MP5	X	-17.6	%44.583
6	MP5	X	-17.6	%69.702
7	MP8	X	-20.6	%30.595

Member Point Loads (BLC 195 : Antenna Wind on Ice (180 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
8	MP8	X	-20.6	%83.69
9	MP9	X	-17.6	%44.583
10	MP9	X	-17.6	%69.702
11	MP12	X	-20.6	%30.595
12	MP12	X	-20.6	%83.69
13	MP1	Z	0	0
14	MP1	Z	0	0
15	MP4	Z	0	0
16	MP4	Z	0	0
17	MP5	Z	0	0
18	MP5	Z	0	0
19	MP8	Z	0	0
20	MP8	Z	0	0
21	MP9	Z	0	0
22	MP9	Z	0	0
23	MP12	Z	0	0
24	MP12	Z	0	0

Member Point Loads (BLC 196 : Antenna Wind on Ice (210 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-13.3	%44.583
2	MP1	X	-13.3	%69.702
3	MP4	X	-16.7	%30.595
4	MP4	X	-16.7	%83.69
5	MP5	X	-13.3	%44.583
6	MP5	X	-13.3	%69.702
7	MP8	X	-16.7	%30.595
8	MP8	X	-16.7	%83.69
9	MP9	X	-13.3	%44.583
10	MP9	X	-13.3	%69.702
11	MP12	X	-16.7	%30.595
12	MP12	X	-16.7	%83.69
13	MP1	Z	-7.7	%44.583
14	MP1	Z	-7.7	%69.702
15	MP4	Z	-9.7	%30.595
16	MP4	Z	-9.7	%83.69
17	MP5	Z	-7.7	%44.583
18	MP5	Z	-7.7	%69.702
19	MP8	Z	-9.7	%30.595
20	MP8	Z	-9.7	%83.69
21	MP9	Z	-7.7	%44.583
22	MP9	Z	-7.7	%69.702
23	MP12	Z	-9.7	%30.595
24	MP12	Z	-9.7	%83.69

Member Point Loads (BLC 197 : Antenna Wind on Ice (240 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-5.4	%44.583
2	MP1	X	-5.4	%69.702
3	MP4	X	-8.4	%30.595
4	MP4	X	-8.4	%83.69
5	MP5	X	-5.4	%44.583
6	MP5	X	-5.4	%69.702
7	MP8	X	-8.4	%30.595
8	MP8	X	-8.4	%83.69
9	MP9	X	-5.4	%44.583

Member Point Loads (BLC 197 : Antenna Wind on Ice (240 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
10	MP9	X	-5.4	%69.702
11	MP12	X	-8.4	%30.595
12	MP12	X	-8.4	%83.69
13	MP1	Z	-9.4	%44.583
14	MP1	Z	-9.4	%69.702
15	MP4	Z	-14.6	%30.595
16	MP4	Z	-14.6	%83.69
17	MP5	Z	-9.4	%44.583
18	MP5	Z	-9.4	%69.702
19	MP8	Z	-14.6	%30.595
20	MP8	Z	-14.6	%83.69
21	MP9	Z	-9.4	%44.583
22	MP9	Z	-9.4	%69.702
23	MP12	Z	-14.6	%30.595
24	MP12	Z	-14.6	%83.69

Member Point Loads (BLC 198 : Antenna Wind on Ice (270 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	0
2	MP1	X	0	0
3	MP4	X	0	0
4	MP4	X	0	0
5	MP5	X	0	0
6	MP5	X	0	0
7	MP8	X	0	0
8	MP8	X	0	0
9	MP9	X	0	0
10	MP9	X	0	0
11	MP12	X	0	0
12	MP12	X	0	0
13	MP1	Z	-8.5	%44.583
14	MP1	Z	-8.5	%69.702
15	MP4	Z	-15.6	%30.595
16	MP4	Z	-15.6	%83.69
17	MP5	Z	-8.5	%44.583
18	MP5	Z	-8.5	%69.702
19	MP8	Z	-15.6	%30.595
20	MP8	Z	-15.6	%83.69
21	MP9	Z	-8.5	%44.583
22	MP9	Z	-8.5	%69.702
23	MP12	Z	-15.6	%30.595
24	MP12	Z	-15.6	%83.69

Member Point Loads (BLC 199 : Antenna Wind on Ice (300 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	5.4	%44.583
2	MP1	X	5.4	%69.702
3	MP4	X	8.4	%30.595
4	MP4	X	8.4	%83.69
5	MP5	X	5.4	%44.583
6	MP5	X	5.4	%69.702
7	MP8	X	8.4	%30.595
8	MP8	X	8.4	%83.69
9	MP9	X	5.4	%44.583
10	MP9	X	5.4	%69.702
11	MP12	X	8.4	%30.595

Member Point Loads (BLC 199 : Antenna Wind on Ice (300 deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
12	MP12	X	8.4	%83.69
13	MP1	Z	-9.4	%44.583
14	MP1	Z	-9.4	%69.702
15	MP4	Z	-14.6	%30.595
16	MP4	Z	-14.6	%83.69
17	MP5	Z	-9.4	%44.583
18	MP5	Z	-9.4	%69.702
19	MP8	Z	-14.6	%30.595
20	MP8	Z	-14.6	%83.69
21	MP9	Z	-9.4	%44.583
22	MP9	Z	-9.4	%69.702
23	MP12	Z	-14.6	%30.595
24	MP12	Z	-14.6	%83.69

Member Point Loads (BLC 200 : Antenna Wind on Ice (330 deg))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	13.3	%44.583
2	MP1	X	13.3	%69.702
3	MP4	X	16.7	%30.595
4	MP4	X	16.7	%83.69
5	MP5	X	13.3	%44.583
6	MP5	X	13.3	%69.702
7	MP8	X	16.7	%30.595
8	MP8	X	16.7	%83.69
9	MP9	X	13.3	%44.583
10	MP9	X	13.3	%69.702
11	MP12	X	16.7	%30.595
12	MP12	X	16.7	%83.69
13	MP1	Z	-7.7	%44.583
14	MP1	Z	-7.7	%69.702
15	MP4	Z	-9.7	%30.595
16	MP4	Z	-9.7	%83.69
17	MP5	Z	-7.7	%44.583
18	MP5	Z	-7.7	%69.702
19	MP8	Z	-9.7	%30.595
20	MP8	Z	-9.7	%83.69
21	MP9	Z	-7.7	%44.583
22	MP9	Z	-7.7	%69.702
23	MP12	Z	-9.7	%30.595
24	MP12	Z	-9.7	%83.69

Member Point Loads (BLC 201 : Ant. Horiz. Seismic, Eh (0))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	52	%44.583
2	MP1	X	52	%69.702
3	MP4	X	66.1	%30.595
4	MP4	X	66.1	%83.69
5	MP5	X	52	%44.583
6	MP5	X	52	%69.702
7	MP8	X	66.1	%30.595
8	MP8	X	66.1	%83.69
9	MP9	X	52	%44.583
10	MP9	X	52	%69.702
11	MP12	X	66.1	%30.595
12	MP12	X	66.1	%83.69
13	MP1	Z	0	0

Member Point Loads (BLC 201 : Ant. Horiz. Seismic, Eh (0)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
14	MP1	Z	0	0
15	MP4	Z	0	0
16	MP4	Z	0	0
17	MP5	Z	0	0
18	MP5	Z	0	0
19	MP8	Z	0	0
20	MP8	Z	0	0
21	MP9	Z	0	0
22	MP9	Z	0	0
23	MP12	Z	0	0
24	MP12	Z	0	0

Member Point Loads (BLC 202 : Ant. Horiz. Seismic, Eh (30))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	45	%44.583
2	MP1	X	45	%69.702
3	MP4	X	57.2	%30.595
4	MP4	X	57.2	%83.69
5	MP5	X	45	%44.583
6	MP5	X	45	%69.702
7	MP8	X	57.2	%30.595
8	MP8	X	57.2	%83.69
9	MP9	X	45	%44.583
10	MP9	X	45	%69.702
11	MP12	X	57.2	%30.595
12	MP12	X	57.2	%83.69
13	MP1	Z	26	%44.583
14	MP1	Z	26	%69.702
15	MP4	Z	33	%30.595
16	MP4	Z	33	%83.69
17	MP5	Z	26	%44.583
18	MP5	Z	26	%69.702
19	MP8	Z	33	%30.595
20	MP8	Z	33	%83.69
21	MP9	Z	26	%44.583
22	MP9	Z	26	%69.702
23	MP12	Z	33	%30.595
24	MP12	Z	33	%83.69

Member Point Loads (BLC 203 : Ant. Horiz. Seismic, Eh (60))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	26	%44.583
2	MP1	X	26	%69.702
3	MP4	X	33.1	%30.595
4	MP4	X	33.1	%83.69
5	MP5	X	26	%44.583
6	MP5	X	26	%69.702
7	MP8	X	33.1	%30.595
8	MP8	X	33.1	%83.69
9	MP9	X	26	%44.583
10	MP9	X	26	%69.702
11	MP12	X	33.1	%30.595
12	MP12	X	33.1	%83.69
13	MP1	Z	45	%44.583
14	MP1	Z	45	%69.702
15	MP4	Z	57.2	%30.595

Member Point Loads (BLC 203 : Ant. Horiz. Seismic, Eh (60)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
16	MP4	Z	57.2	%83.69
17	MP5	Z	45	%44.583
18	MP5	Z	45	%69.702
19	MP8	Z	57.2	%30.595
20	MP8	Z	57.2	%83.69
21	MP9	Z	45	%44.583
22	MP9	Z	45	%69.702
23	MP12	Z	57.2	%30.595
24	MP12	Z	57.2	%83.69

Member Point Loads (BLC 204 : Ant. Horiz. Seismic, Eh (90))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	0
2	MP1	X	0	0
3	MP4	X	0	0
4	MP4	X	0	0
5	MP5	X	0	0
6	MP5	X	0	0
7	MP8	X	0	0
8	MP8	X	0	0
9	MP9	X	0	0
10	MP9	X	0	0
11	MP12	X	0	0
12	MP12	X	0	0
13	MP1	Z	52	%44.583
14	MP1	Z	52	%69.702
15	MP4	Z	66.1	%30.595
16	MP4	Z	66.1	%83.69
17	MP5	Z	52	%44.583
18	MP5	Z	52	%69.702
19	MP8	Z	66.1	%30.595
20	MP8	Z	66.1	%83.69
21	MP9	Z	52	%44.583
22	MP9	Z	52	%69.702
23	MP12	Z	66.1	%30.595
24	MP12	Z	66.1	%83.69

Member Point Loads (BLC 205 : Ant. Horiz. Seismic, Eh (120))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-26	%44.583
2	MP1	X	-26	%69.702
3	MP4	X	-33	%30.595
4	MP4	X	-33	%83.69
5	MP5	X	-26	%44.583
6	MP5	X	-26	%69.702
7	MP8	X	-33	%30.595
8	MP8	X	-33	%83.69
9	MP9	X	-26	%44.583
10	MP9	X	-26	%69.702
11	MP12	X	-33	%30.595
12	MP12	X	-33	%83.69
13	MP1	Z	45	%44.583
14	MP1	Z	45	%69.702
15	MP4	Z	57.2	%30.595
16	MP4	Z	57.2	%83.69
17	MP5	Z	45	%44.583

Member Point Loads (BLC 205 : Ant. Horiz. Seismic, Eh (120)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
18	MP5	Z	45	%69.702
19	MP8	Z	57.2	%30.595
20	MP8	Z	57.2	%83.69
21	MP9	Z	45	%44.583
22	MP9	Z	45	%69.702
23	MP12	Z	57.2	%30.595
24	MP12	Z	57.2	%83.69

Member Point Loads (BLC 206 : Ant. Horiz. Seismic, Eh (150))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-45	%44.583
2	MP1	X	-45	%69.702
3	MP4	X	-57.2	%30.595
4	MP4	X	-57.2	%83.69
5	MP5	X	-45	%44.583
6	MP5	X	-45	%69.702
7	MP8	X	-57.2	%30.595
8	MP8	X	-57.2	%83.69
9	MP9	X	-45	%44.583
10	MP9	X	-45	%69.702
11	MP12	X	-57.2	%30.595
12	MP12	X	-57.2	%83.69
13	MP1	Z	26	%44.583
14	MP1	Z	26	%69.702
15	MP4	Z	33	%30.595
16	MP4	Z	33	%83.69
17	MP5	Z	26	%44.583
18	MP5	Z	26	%69.702
19	MP8	Z	33	%30.595
20	MP8	Z	33	%83.69
21	MP9	Z	26	%44.583
22	MP9	Z	26	%69.702
23	MP12	Z	33	%30.595
24	MP12	Z	33	%83.69

Member Point Loads (BLC 207 : Ant. Horiz. Seismic, Eh (180))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-52	%44.583
2	MP1	X	-52	%69.702
3	MP4	X	-66.1	%30.595
4	MP4	X	-66.1	%83.69
5	MP5	X	-52	%44.583
6	MP5	X	-52	%69.702
7	MP8	X	-66.1	%30.595
8	MP8	X	-66.1	%83.69
9	MP9	X	-52	%44.583
10	MP9	X	-52	%69.702
11	MP12	X	-66.1	%30.595
12	MP12	X	-66.1	%83.69
13	MP1	Z	0	0
14	MP1	Z	0	0
15	MP4	Z	0	0
16	MP4	Z	0	0
17	MP5	Z	0	0
18	MP5	Z	0	0
19	MP8	Z	0	0

Member Point Loads (BLC 207 : Ant. Horiz. Seismic, Eh (180)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
20	MP8	Z	0	0
21	MP9	Z	0	0
22	MP9	Z	0	0
23	MP12	Z	0	0
24	MP12	Z	0	0

Member Point Loads (BLC 208 : Ant. Horiz. Seismic, Eh (210))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-45	%44.583
2	MP1	X	-45	%69.702
3	MP4	X	-57.2	%30.595
4	MP4	X	-57.2	%83.69
5	MP5	X	-45	%44.583
6	MP5	X	-45	%69.702
7	MP8	X	-57.2	%30.595
8	MP8	X	-57.2	%83.69
9	MP9	X	-45	%44.583
10	MP9	X	-45	%69.702
11	MP12	X	-57.2	%30.595
12	MP12	X	-57.2	%83.69
13	MP1	Z	-26	%44.583
14	MP1	Z	-26	%69.702
15	MP4	Z	-33.1	%30.595
16	MP4	Z	-33.1	%83.69
17	MP5	Z	-26	%44.583
18	MP5	Z	-26	%69.702
19	MP8	Z	-33.1	%30.595
20	MP8	Z	-33.1	%83.69
21	MP9	Z	-26	%44.583
22	MP9	Z	-26	%69.702
23	MP12	Z	-33.1	%30.595
24	MP12	Z	-33.1	%83.69

Member Point Loads (BLC 209 : Ant. Horiz. Seismic, Eh (240))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	-26	%44.583
2	MP1	X	-26	%69.702
3	MP4	X	-33.1	%30.595
4	MP4	X	-33.1	%83.69
5	MP5	X	-26	%44.583
6	MP5	X	-26	%69.702
7	MP8	X	-33.1	%30.595
8	MP8	X	-33.1	%83.69
9	MP9	X	-26	%44.583
10	MP9	X	-26	%69.702
11	MP12	X	-33.1	%30.595
12	MP12	X	-33.1	%83.69
13	MP1	Z	-45	%44.583
14	MP1	Z	-45	%69.702
15	MP4	Z	-57.2	%30.595
16	MP4	Z	-57.2	%83.69
17	MP5	Z	-45	%44.583
18	MP5	Z	-45	%69.702
19	MP8	Z	-57.2	%30.595
20	MP8	Z	-57.2	%83.69
21	MP9	Z	-45	%44.583

Member Point Loads (BLC 209 : Ant. Horiz. Seismic, Eh (240)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
22	MP9	Z	-45	%69.702
23	MP12	Z	-57.2	%30.595
24	MP12	Z	-57.2	%83.69

Member Point Loads (BLC 210 : Ant. Horiz. Seismic, Eh (270))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	0	0
2	MP1	X	0	0
3	MP4	X	0	0
4	MP4	X	0	0
5	MP5	X	0	0
6	MP5	X	0	0
7	MP8	X	0	0
8	MP8	X	0	0
9	MP9	X	0	0
10	MP9	X	0	0
11	MP12	X	0	0
12	MP12	X	0	0
13	MP1	Z	-52	%44.583
14	MP1	Z	-52	%69.702
15	MP4	Z	-66.1	%30.595
16	MP4	Z	-66.1	%83.69
17	MP5	Z	-52	%44.583
18	MP5	Z	-52	%69.702
19	MP8	Z	-66.1	%30.595
20	MP8	Z	-66.1	%83.69
21	MP9	Z	-52	%44.583
22	MP9	Z	-52	%69.702
23	MP12	Z	-66.1	%30.595
24	MP12	Z	-66.1	%83.69

Member Point Loads (BLC 211 : Ant. Horiz. Seismic, Eh (300))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	26	%44.583
2	MP1	X	26	%69.702
3	MP4	X	33.1	%30.595
4	MP4	X	33.1	%83.69
5	MP5	X	26	%44.583
6	MP5	X	26	%69.702
7	MP8	X	33.1	%30.595
8	MP8	X	33.1	%83.69
9	MP9	X	26	%44.583
10	MP9	X	26	%69.702
11	MP12	X	33.1	%30.595
12	MP12	X	33.1	%83.69
13	MP1	Z	-45	%44.583
14	MP1	Z	-45	%69.702
15	MP4	Z	-57.2	%30.595
16	MP4	Z	-57.2	%83.69
17	MP5	Z	-45	%44.583
18	MP5	Z	-45	%69.702
19	MP8	Z	-57.2	%30.595
20	MP8	Z	-57.2	%83.69
21	MP9	Z	-45	%44.583
22	MP9	Z	-45	%69.702
23	MP12	Z	-57.2	%30.595

Member Point Loads (BLC 211 : Ant. Horiz. Seismic, Eh (300)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
24	MP12	Z	-57.2	%83.69

Member Point Loads (BLC 212 : Ant. Horiz. Seismic, Eh (330))

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	MP1	X	45	%44.583
2	MP1	X	45	%69.702
3	MP4	X	57.2	%30.595
4	MP4	X	57.2	%83.69
5	MP5	X	45	%44.583
6	MP5	X	45	%69.702
7	MP8	X	57.2	%30.595
8	MP8	X	57.2	%83.69
9	MP9	X	45	%44.583
10	MP9	X	45	%69.702
11	MP12	X	57.2	%30.595
12	MP12	X	57.2	%83.69
13	MP1	Z	-26	%44.583
14	MP1	Z	-26	%69.702
15	MP4	Z	-33.1	%30.595
16	MP4	Z	-33.1	%83.69
17	MP5	Z	-26	%44.583
18	MP5	Z	-26	%69.702
19	MP8	Z	-33.1	%30.595
20	MP8	Z	-33.1	%83.69
21	MP9	Z	-26	%44.583
22	MP9	Z	-26	%69.702
23	MP12	Z	-33.1	%30.595
24	MP12	Z	-33.1	%83.69

Member Distributed Loads (BLC 2 : Wind Load (0 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	FM-BOT-0	X	25.9	25.9	0	0
2	FM-BOT-120	X	13	13	0	0
3	FM-BOT-240	X	13	13	0	0
4	LAD-H-1	X	0	0	0	0
5	LAD-H-2	X	20.1	20.1	0	0
6	LADDER-RAIL-1	X	9.1	9.1	0	0
7	LADDER-RAIL-2	X	9.1	9.1	0	0
8	LADDER-RUNG-1	X	0	0	0	0
9	LADDER-RUNG-2	X	0	0	0	0
10	LADDER-RUNG-3	X	0	0	0	0
11	LADDER-RUNG-4	X	0	0	0	0
12	LADDER-RUNG-5	X	0	0	0	0
13	LADDER-RUNG-6	X	0	0	0	0
14	LADDER-RUNG-7	X	0	0	0	0
15	LADDER-RUNG-8	X	0	0	0	0
16	LADDER-RUNG-9	X	0	0	0	0
17	BRACE-1	X	10.1	10.1	0	0
18	BRACE-2	X	10.1	10.1	0	0
19	BRACE-3	X	20.1	20.1	0	0
20	SA1	X	2.4	2.4	0	0
21	SA2	X	8.8	8.8	0	0
22	SA3	X	6.4	6.4	0	0
23	HR-0	X	7.4	7.4	0	0
24	HR-120	X	3.7	3.7	0	0

Member Distributed Loads (BLC 2 : Wind Load (0 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
25	HR-240	X	3.7	3.7	0	0
26	HR-CORN-1	X	8.8	8.8	0	0
27	HR-CORN-2	X	4.4	4.4	0	0
28	HR-CORN-3	X	4.4	4.4	0	0
29	FM-BOT-0	Z	0	0	0	0
30	FM-BOT-120	Z	0	0	0	0
31	FM-BOT-240	Z	0	0	0	0
32	LAD-H-1	Z	0	0	0	0
33	LAD-H-2	Z	0	0	0	0
34	LADDER-RAIL-1	Z	0	0	0	0
35	LADDER-RAIL-2	Z	0	0	0	0
36	LADDER-RUNG-1	Z	0	0	0	0
37	LADDER-RUNG-2	Z	0	0	0	0
38	LADDER-RUNG-3	Z	0	0	0	0
39	LADDER-RUNG-4	Z	0	0	0	0
40	LADDER-RUNG-5	Z	0	0	0	0
41	LADDER-RUNG-6	Z	0	0	0	0
42	LADDER-RUNG-7	Z	0	0	0	0
43	LADDER-RUNG-8	Z	0	0	0	0
44	LADDER-RUNG-9	Z	0	0	0	0
45	BRACE-1	Z	0	0	0	0
46	BRACE-2	Z	0	0	0	0
47	BRACE-3	Z	0	0	0	0
48	SA1	Z	0	0	0	0
49	SA2	Z	0	0	0	0
50	SA3	Z	0	0	0	0
51	HR-0	Z	0	0	0	0
52	HR-120	Z	0	0	0	0
53	HR-240	Z	0	0	0	0
54	HR-CORN-1	Z	0	0	0	0
55	HR-CORN-2	Z	0	0	0	0
56	HR-CORN-3	Z	0	0	0	0

Member Distributed Loads (BLC 3 : Wind Load (30 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	FM-BOT-0	X	19.4	19.4	0	0
2	FM-BOT-120	X	0	0	0	0
3	FM-BOT-240	X	19.4	19.4	0	0
4	LAD-H-1	X	8.7	8.7	0	0
5	LAD-H-2	X	15.1	15.1	0	0
6	LADDER-RAIL-1	X	7.9	7.9	0	0
7	LADDER-RAIL-2	X	7.9	7.9	0	0
8	LADDER-RUNG-1	X	.8	.8	0	0
9	LADDER-RUNG-2	X	.8	.8	0	0
10	LADDER-RUNG-3	X	.8	.8	0	0
11	LADDER-RUNG-4	X	.8	.8	0	0
12	LADDER-RUNG-5	X	.8	.8	0	0
13	LADDER-RUNG-6	X	.8	.8	0	0
14	LADDER-RUNG-7	X	.8	.8	0	0
15	LADDER-RUNG-8	X	.8	.8	0	0
16	LADDER-RUNG-9	X	.8	.8	0	0
17	BRACE-1	X	0	0	0	0
18	BRACE-2	X	15.1	15.1	0	0
19	BRACE-3	X	15.1	15.1	0	0
20	SA1	X	5.6	5.6	0	0
21	SA2	X	7.6	7.6	0	0

Member Distributed Loads (BLC 3 : Wind Load (30 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
22	SA3	X	2	2	0	0
23	HR-0	X	5.5	5.5	0	0
24	HR-120	X	0	0	0	0
25	HR-240	X	5.5	5.5	0	0
26	HR-CORN-1	X	6.6	6.6	0	0
27	HR-CORN-2	X	0	0	0	0
28	HR-CORN-3	X	6.6	6.6	0	0
29	FM-BOT-0	Z	11.2	11.2	0	0
30	FM-BOT-120	Z	0	0	0	0
31	FM-BOT-240	Z	11.2	11.2	0	0
32	LAD-H-1	Z	5	5	0	0
33	LAD-H-2	Z	8.7	8.7	0	0
34	LADDER-RAIL-1	Z	4.5	4.5	0	0
35	LADDER-RAIL-2	Z	4.5	4.5	0	0
36	LADDER-RUNG-1	Z	.5	.5	0	0
37	LADDER-RUNG-2	Z	.5	.5	0	0
38	LADDER-RUNG-3	Z	.5	.5	0	0
39	LADDER-RUNG-4	Z	.5	.5	0	0
40	LADDER-RUNG-5	Z	.5	.5	0	0
41	LADDER-RUNG-6	Z	.5	.5	0	0
42	LADDER-RUNG-7	Z	.5	.5	0	0
43	LADDER-RUNG-8	Z	.5	.5	0	0
44	LADDER-RUNG-9	Z	.5	.5	0	0
45	BRACE-1	Z	0	0	0	0
46	BRACE-2	Z	8.7	8.7	0	0
47	BRACE-3	Z	8.7	8.7	0	0
48	SA1	Z	3.2	3.2	0	0
49	SA2	Z	4.4	4.4	0	0
50	SA3	Z	1.2	1.2	0	0
51	HR-0	Z	3.2	3.2	0	0
52	HR-120	Z	0	0	0	0
53	HR-240	Z	3.2	3.2	0	0
54	HR-CORN-1	Z	3.8	3.8	0	0
55	HR-CORN-2	Z	0	0	0	0
56	HR-CORN-3	Z	3.8	3.8	0	0

Member Distributed Loads (BLC 4 : Wind Load (60 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	FM-BOT-0	X	6.5	6.5	0	0
2	FM-BOT-120	X	6.5	6.5	0	0
3	FM-BOT-240	X	13	13	0	0
4	LAD-H-1	X	8.7	8.7	0	0
5	LAD-H-2	X	5	5	0	0
6	LADDER-RAIL-1	X	4.5	4.5	0	0
7	LADDER-RAIL-2	X	4.5	4.5	0	0
8	LADDER-RUNG-1	X	.8	.8	0	0
9	LADDER-RUNG-2	X	.8	.8	0	0
10	LADDER-RUNG-3	X	.8	.8	0	0
11	LADDER-RUNG-4	X	.8	.8	0	0
12	LADDER-RUNG-5	X	.8	.8	0	0
13	LADDER-RUNG-6	X	.8	.8	0	0
14	LADDER-RUNG-7	X	.8	.8	0	0
15	LADDER-RUNG-8	X	.8	.8	0	0
16	LADDER-RUNG-9	X	.8	.8	0	0
17	BRACE-1	X	5	5	0	0
18	BRACE-2	X	10.1	10.1	0	0

Member Distributed Loads (BLC 4 : Wind Load (60 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
19	BRACE-3	X	5	5	0	0
20	SA1	X	4.4	4.4	0	0
21	SA2	X	3.2	3.2	0	0
22	SA3	X	1.2	1.2	0	0
23	HR-0	X	1.8	1.8	0	0
24	HR-120	X	1.8	1.8	0	0
25	HR-240	X	3.7	3.7	0	0
26	HR-CORN-1	X	2.2	2.2	0	0
27	HR-CORN-2	X	2.2	2.2	0	0
28	HR-CORN-3	X	4.4	4.4	0	0
29	FM-BOT-0	Z	11.2	11.2	0	0
30	FM-BOT-120	Z	11.2	11.2	0	0
31	FM-BOT-240	Z	22.5	22.5	0	0
32	LAD-H-1	Z	15.1	15.1	0	0
33	LAD-H-2	Z	8.7	8.7	0	0
34	LADDER-RAIL-1	Z	7.9	7.9	0	0
35	LADDER-RAIL-2	Z	7.9	7.9	0	0
36	LADDER-RUNG-1	Z	1.4	1.4	0	0
37	LADDER-RUNG-2	Z	1.4	1.4	0	0
38	LADDER-RUNG-3	Z	1.4	1.4	0	0
39	LADDER-RUNG-4	Z	1.4	1.4	0	0
40	LADDER-RUNG-5	Z	1.4	1.4	0	0
41	LADDER-RUNG-6	Z	1.4	1.4	0	0
42	LADDER-RUNG-7	Z	1.4	1.4	0	0
43	LADDER-RUNG-8	Z	1.4	1.4	0	0
44	LADDER-RUNG-9	Z	1.4	1.4	0	0
45	BRACE-1	Z	8.7	8.7	0	0
46	BRACE-2	Z	17.4	17.4	0	0
47	BRACE-3	Z	8.7	8.7	0	0
48	SA1	Z	7.6	7.6	0	0
49	SA2	Z	5.6	5.6	0	0
50	SA3	Z	2	2	0	0
51	HR-0	Z	3.2	3.2	0	0
52	HR-120	Z	3.2	3.2	0	0
53	HR-240	Z	6.4	6.4	0	0
54	HR-CORN-1	Z	3.8	3.8	0	0
55	HR-CORN-2	Z	3.8	3.8	0	0
56	HR-CORN-3	Z	7.7	7.7	0	0

Member Distributed Loads (BLC 5 : Wind Load (90 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	FM-BOT-0	X	0	0	0	0
2	FM-BOT-120	X	0	0	0	0
3	FM-BOT-240	X	0	0	0	0
4	LAD-H-1	X	0	0	0	0
5	LAD-H-2	X	0	0	0	0
6	LADDER-RAIL-1	X	0	0	0	0
7	LADDER-RAIL-2	X	0	0	0	0
8	LADDER-RUNG-1	X	0	0	0	0
9	LADDER-RUNG-2	X	0	0	0	0
10	LADDER-RUNG-3	X	0	0	0	0
11	LADDER-RUNG-4	X	0	0	0	0
12	LADDER-RUNG-5	X	0	0	0	0
13	LADDER-RUNG-6	X	0	0	0	0
14	LADDER-RUNG-7	X	0	0	0	0
15	LADDER-RUNG-8	X	0	0	0	0

Member Distributed Loads (BLC 5 : Wind Load (90 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
16	LADDER-RUNG-9	X	0	0	0	0
17	BRACE-1	X	0	0	0	0
18	BRACE-2	X	0	0	0	0
19	BRACE-3	X	0	0	0	0
20	SA1	X	0	0	0	0
21	SA2	X	0	0	0	0
22	SA3	X	0	0	0	0
23	HR-0	X	0	0	0	0
24	HR-120	X	0	0	0	0
25	HR-240	X	0	0	0	0
26	HR-CORN-1	X	0	0	0	0
27	HR-CORN-2	X	0	0	0	0
28	HR-CORN-3	X	0	0	0	0
29	FM-BOT-0	Z	0	0	0	0
30	FM-BOT-120	Z	22.5	22.5	0	0
31	FM-BOT-240	Z	22.5	22.5	0	0
32	LAD-H-1	Z	20.1	20.1	0	0
33	LAD-H-2	Z	0	0	0	0
34	LADDER-RAIL-1	Z	9.1	9.1	0	0
35	LADDER-RAIL-2	Z	9.1	9.1	0	0
36	LADDER-RUNG-1	Z	1.9	1.9	0	0
37	LADDER-RUNG-2	Z	1.9	1.9	0	0
38	LADDER-RUNG-3	Z	1.9	1.9	0	0
39	LADDER-RUNG-4	Z	1.9	1.9	0	0
40	LADDER-RUNG-5	Z	1.9	1.9	0	0
41	LADDER-RUNG-6	Z	1.9	1.9	0	0
42	LADDER-RUNG-7	Z	1.9	1.9	0	0
43	LADDER-RUNG-8	Z	1.9	1.9	0	0
44	LADDER-RUNG-9	Z	1.9	1.9	0	0
45	BRACE-1	Z	17.4	17.4	0	0
46	BRACE-2	Z	17.4	17.4	0	0
47	BRACE-3	Z	0	0	0	0
48	SA1	Z	8.8	8.8	0	0
49	SA2	Z	2.4	2.4	0	0
50	SA3	Z	6.4	6.4	0	0
51	HR-0	Z	0	0	0	0
52	HR-120	Z	6.4	6.4	0	0
53	HR-240	Z	6.4	6.4	0	0
54	HR-CORN-1	Z	0	0	0	0
55	HR-CORN-2	Z	7.7	7.7	0	0
56	HR-CORN-3	Z	7.7	7.7	0	0

Member Distributed Loads (BLC 6 : Wind Load (120 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	FM-BOT-0	X	-6.5	-6.5	0	0
2	FM-BOT-120	X	-13	-13	0	0
3	FM-BOT-240	X	-6.5	-6.5	0	0
4	LAD-H-1	X	-8.7	-8.7	0	0
5	LAD-H-2	X	-5	-5	0	0
6	LADDER-RAIL-1	X	-4.5	-4.5	0	0
7	LADDER-RAIL-2	X	-4.5	-4.5	0	0
8	LADDER-RUNG-1	X	-.8	-.8	0	0
9	LADDER-RUNG-2	X	-.8	-.8	0	0
10	LADDER-RUNG-3	X	-.8	-.8	0	0
11	LADDER-RUNG-4	X	-.8	-.8	0	0
12	LADDER-RUNG-5	X	-.8	-.8	0	0

Member Distributed Loads (BLC 6 : Wind Load (120 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
13	LADDER-RUNG-6	X	-.8	-.8	0	0
14	LADDER-RUNG-7	X	-.8	-.8	0	0
15	LADDER-RUNG-8	X	-.8	-.8	0	0
16	LADDER-RUNG-9	X	-.8	-.8	0	0
17	BRACE-1	X	-10.1	-10.1	0	0
18	BRACE-2	X	-5	-5	0	0
19	BRACE-3	X	-5	-5	0	0
20	SA1	X	-3.2	-3.2	0	0
21	SA2	X	-1.2	-1.2	0	0
22	SA3	X	-4.4	-4.4	0	0
23	HR-0	X	-1.8	-1.8	0	0
24	HR-120	X	-3.7	-3.7	0	0
25	HR-240	X	-1.8	-1.8	0	0
26	HR-CORN-1	X	-2.2	-2.2	0	0
27	HR-CORN-2	X	-4.4	-4.4	0	0
28	HR-CORN-3	X	-2.2	-2.2	0	0
29	FM-BOT-0	Z	11.2	11.2	0	0
30	FM-BOT-120	Z	22.5	22.5	0	0
31	FM-BOT-240	Z	11.2	11.2	0	0
32	LAD-H-1	Z	15.1	15.1	0	0
33	LAD-H-2	Z	8.7	8.7	0	0
34	LADDER-RAIL-1	Z	7.9	7.9	0	0
35	LADDER-RAIL-2	Z	7.9	7.9	0	0
36	LADDER-RUNG-1	Z	1.4	1.4	0	0
37	LADDER-RUNG-2	Z	1.4	1.4	0	0
38	LADDER-RUNG-3	Z	1.4	1.4	0	0
39	LADDER-RUNG-4	Z	1.4	1.4	0	0
40	LADDER-RUNG-5	Z	1.4	1.4	0	0
41	LADDER-RUNG-6	Z	1.4	1.4	0	0
42	LADDER-RUNG-7	Z	1.4	1.4	0	0
43	LADDER-RUNG-8	Z	1.4	1.4	0	0
44	LADDER-RUNG-9	Z	1.4	1.4	0	0
45	BRACE-1	Z	17.4	17.4	0	0
46	BRACE-2	Z	8.7	8.7	0	0
47	BRACE-3	Z	8.7	8.7	0	0
48	SA1	Z	5.6	5.6	0	0
49	SA2	Z	2	2	0	0
50	SA3	Z	7.6	7.6	0	0
51	HR-0	Z	3.2	3.2	0	0
52	HR-120	Z	6.4	6.4	0	0
53	HR-240	Z	3.2	3.2	0	0
54	HR-CORN-1	Z	3.8	3.8	0	0
55	HR-CORN-2	Z	7.7	7.7	0	0
56	HR-CORN-3	Z	3.8	3.8	0	0

Member Distributed Loads (BLC 7 : Wind Load (150 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	FM-BOT-0	X	-19.4	-19.4	0	0
2	FM-BOT-120	X	-19.4	-19.4	0	0
3	FM-BOT-240	X	0	0	0	0
4	LAD-H-1	X	-8.7	-8.7	0	0
5	LAD-H-2	X	-15.1	-15.1	0	0
6	LADDER-RAIL-1	X	-7.9	-7.9	0	0
7	LADDER-RAIL-2	X	-7.9	-7.9	0	0
8	LADDER-RUNG-1	X	-.8	-.8	0	0
9	LADDER-RUNG-2	X	-.8	-.8	0	0

Member Distributed Loads (BLC 7 : Wind Load (150 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
10	LADDER-RUNG-3	X	-.8	-.8	0	0
11	LADDER-RUNG-4	X	-.8	-.8	0	0
12	LADDER-RUNG-5	X	-.8	-.8	0	0
13	LADDER-RUNG-6	X	-.8	-.8	0	0
14	LADDER-RUNG-7	X	-.8	-.8	0	0
15	LADDER-RUNG-8	X	-.8	-.8	0	0
16	LADDER-RUNG-9	X	-.8	-.8	0	0
17	BRACE-1	X	-15.1	-15.1	0	0
18	BRACE-2	X	0	0	0	0
19	BRACE-3	X	-15.1	-15.1	0	0
20	SA1	X	-2	-2	0	0
21	SA2	X	-5.6	-5.6	0	0
22	SA3	X	-7.6	-7.6	0	0
23	HR-0	X	-5.5	-5.5	0	0
24	HR-120	X	-5.5	-5.5	0	0
25	HR-240	X	0	0	0	0
26	HR-CORN-1	X	-6.6	-6.6	0	0
27	HR-CORN-2	X	-6.6	-6.6	0	0
28	HR-CORN-3	X	0	0	0	0
29	FM-BOT-0	Z	11.2	11.2	0	0
30	FM-BOT-120	Z	11.2	11.2	0	0
31	FM-BOT-240	Z	0	0	0	0
32	LAD-H-1	Z	5	5	0	0
33	LAD-H-2	Z	8.7	8.7	0	0
34	LADDER-RAIL-1	Z	4.5	4.5	0	0
35	LADDER-RAIL-2	Z	4.5	4.5	0	0
36	LADDER-RUNG-1	Z	.5	.5	0	0
37	LADDER-RUNG-2	Z	.5	.5	0	0
38	LADDER-RUNG-3	Z	.5	.5	0	0
39	LADDER-RUNG-4	Z	.5	.5	0	0
40	LADDER-RUNG-5	Z	.5	.5	0	0
41	LADDER-RUNG-6	Z	.5	.5	0	0
42	LADDER-RUNG-7	Z	.5	.5	0	0
43	LADDER-RUNG-8	Z	.5	.5	0	0
44	LADDER-RUNG-9	Z	.5	.5	0	0
45	BRACE-1	Z	8.7	8.7	0	0
46	BRACE-2	Z	0	0	0	0
47	BRACE-3	Z	8.7	8.7	0	0
48	SA1	Z	1.2	1.2	0	0
49	SA2	Z	3.2	3.2	0	0
50	SA3	Z	4.4	4.4	0	0
51	HR-0	Z	3.2	3.2	0	0
52	HR-120	Z	3.2	3.2	0	0
53	HR-240	Z	0	0	0	0
54	HR-CORN-1	Z	3.8	3.8	0	0
55	HR-CORN-2	Z	3.8	3.8	0	0
56	HR-CORN-3	Z	0	0	0	0

Member Distributed Loads (BLC 8 : Wind Load (180 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	FM-BOT-0	X	-25.9	-25.9	0	0
2	FM-BOT-120	X	-13	-13	0	0
3	FM-BOT-240	X	-13	-13	0	0
4	LAD-H-1	X	0	0	0	0
5	LAD-H-2	X	-20.1	-20.1	0	0
6	LADDER-RAIL-1	X	-9.1	-9.1	0	0

Member Distributed Loads (BLC 8 : Wind Load (180 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
7	LADDER-RAIL-2	X	-9.1	-9.1	0	0
8	LADDER-RUNG-1	X	0	0	0	0
9	LADDER-RUNG-2	X	0	0	0	0
10	LADDER-RUNG-3	X	0	0	0	0
11	LADDER-RUNG-4	X	0	0	0	0
12	LADDER-RUNG-5	X	0	0	0	0
13	LADDER-RUNG-6	X	0	0	0	0
14	LADDER-RUNG-7	X	0	0	0	0
15	LADDER-RUNG-8	X	0	0	0	0
16	LADDER-RUNG-9	X	0	0	0	0
17	BRACE-1	X	-10.1	-10.1	0	0
18	BRACE-2	X	-10.1	-10.1	0	0
19	BRACE-3	X	-20.1	-20.1	0	0
20	SA1	X	-2.4	-2.4	0	0
21	SA2	X	-8.8	-8.8	0	0
22	SA3	X	-6.4	-6.4	0	0
23	HR-0	X	-7.4	-7.4	0	0
24	HR-120	X	-3.7	-3.7	0	0
25	HR-240	X	-3.7	-3.7	0	0
26	HR-CORN-1	X	-8.8	-8.8	0	0
27	HR-CORN-2	X	-4.4	-4.4	0	0
28	HR-CORN-3	X	-4.4	-4.4	0	0
29	FM-BOT-0	Z	0	0	0	0
30	FM-BOT-120	Z	0	0	0	0
31	FM-BOT-240	Z	0	0	0	0
32	LAD-H-1	Z	0	0	0	0
33	LAD-H-2	Z	0	0	0	0
34	LADDER-RAIL-1	Z	0	0	0	0
35	LADDER-RAIL-2	Z	0	0	0	0
36	LADDER-RUNG-1	Z	0	0	0	0
37	LADDER-RUNG-2	Z	0	0	0	0
38	LADDER-RUNG-3	Z	0	0	0	0
39	LADDER-RUNG-4	Z	0	0	0	0
40	LADDER-RUNG-5	Z	0	0	0	0
41	LADDER-RUNG-6	Z	0	0	0	0
42	LADDER-RUNG-7	Z	0	0	0	0
43	LADDER-RUNG-8	Z	0	0	0	0
44	LADDER-RUNG-9	Z	0	0	0	0
45	BRACE-1	Z	0	0	0	0
46	BRACE-2	Z	0	0	0	0
47	BRACE-3	Z	0	0	0	0
48	SA1	Z	0	0	0	0
49	SA2	Z	0	0	0	0
50	SA3	Z	0	0	0	0
51	HR-0	Z	0	0	0	0
52	HR-120	Z	0	0	0	0
53	HR-240	Z	0	0	0	0
54	HR-CORN-1	Z	0	0	0	0
55	HR-CORN-2	Z	0	0	0	0
56	HR-CORN-3	Z	0	0	0	0

Member Distributed Loads (BLC 9 : Wind Load (210 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	FM-BOT-0	X	-19.4	-19.4	0	0
2	FM-BOT-120	X	0	0	0	0
3	FM-BOT-240	X	-19.4	-19.4	0	0

Member Distributed Loads (BLC 9 : Wind Load (210 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
4	LAD-H-1	X	-8.7	-8.7	0	0
5	LAD-H-2	X	-15.1	-15.1	0	0
6	LADDER-RAIL-1	X	-7.9	-7.9	0	0
7	LADDER-RAIL-2	X	-7.9	-7.9	0	0
8	LADDER-RUNG-1	X	-.8	-.8	0	0
9	LADDER-RUNG-2	X	-.8	-.8	0	0
10	LADDER-RUNG-3	X	-.8	-.8	0	0
11	LADDER-RUNG-4	X	-.8	-.8	0	0
12	LADDER-RUNG-5	X	-.8	-.8	0	0
13	LADDER-RUNG-6	X	-.8	-.8	0	0
14	LADDER-RUNG-7	X	-.8	-.8	0	0
15	LADDER-RUNG-8	X	-.8	-.8	0	0
16	LADDER-RUNG-9	X	-.8	-.8	0	0
17	BRACE-1	X	0	0	0	0
18	BRACE-2	X	-15.1	-15.1	0	0
19	BRACE-3	X	-15.1	-15.1	0	0
20	SA1	X	-5.6	-5.6	0	0
21	SA2	X	-7.6	-7.6	0	0
22	SA3	X	-2	-2	0	0
23	HR-0	X	-5.5	-5.5	0	0
24	HR-120	X	0	0	0	0
25	HR-240	X	-5.5	-5.5	0	0
26	HR-CORN-1	X	-6.6	-6.6	0	0
27	HR-CORN-2	X	0	0	0	0
28	HR-CORN-3	X	-6.6	-6.6	0	0
29	FM-BOT-0	Z	-11.2	-11.2	0	0
30	FM-BOT-120	Z	0	0	0	0
31	FM-BOT-240	Z	-11.2	-11.2	0	0
32	LAD-H-1	Z	-5	-5	0	0
33	LAD-H-2	Z	-8.7	-8.7	0	0
34	LADDER-RAIL-1	Z	-4.5	-4.5	0	0
35	LADDER-RAIL-2	Z	-4.5	-4.5	0	0
36	LADDER-RUNG-1	Z	-.5	-.5	0	0
37	LADDER-RUNG-2	Z	-.5	-.5	0	0
38	LADDER-RUNG-3	Z	-.5	-.5	0	0
39	LADDER-RUNG-4	Z	-.5	-.5	0	0
40	LADDER-RUNG-5	Z	-.5	-.5	0	0
41	LADDER-RUNG-6	Z	-.5	-.5	0	0
42	LADDER-RUNG-7	Z	-.5	-.5	0	0
43	LADDER-RUNG-8	Z	-.5	-.5	0	0
44	LADDER-RUNG-9	Z	-.5	-.5	0	0
45	BRACE-1	Z	0	0	0	0
46	BRACE-2	Z	-8.7	-8.7	0	0
47	BRACE-3	Z	-8.7	-8.7	0	0
48	SA1	Z	-3.2	-3.2	0	0
49	SA2	Z	-4.4	-4.4	0	0
50	SA3	Z	-1.2	-1.2	0	0
51	HR-0	Z	-3.2	-3.2	0	0
52	HR-120	Z	0	0	0	0
53	HR-240	Z	-3.2	-3.2	0	0
54	HR-CORN-1	Z	-3.8	-3.8	0	0
55	HR-CORN-2	Z	0	0	0	0
56	HR-CORN-3	Z	-3.8	-3.8	0	0

Member Distributed Loads (BLC 10 : Wind Load (240 deg))

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]

Member Distributed Loads (BLC 10 : Wind Load (240 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	FM-BOT-0	X	-6.5	-6.5	0	0
2	FM-BOT-120	X	-6.5	-6.5	0	0
3	FM-BOT-240	X	-13	-13	0	0
4	LAD-H-1	X	-8.7	-8.7	0	0
5	LAD-H-2	X	-5	-5	0	0
6	LADDER-RAIL-1	X	-4.5	-4.5	0	0
7	LADDER-RAIL-2	X	-4.5	-4.5	0	0
8	LADDER-RUNG-1	X	-.8	-.8	0	0
9	LADDER-RUNG-2	X	-.8	-.8	0	0
10	LADDER-RUNG-3	X	-.8	-.8	0	0
11	LADDER-RUNG-4	X	-.8	-.8	0	0
12	LADDER-RUNG-5	X	-.8	-.8	0	0
13	LADDER-RUNG-6	X	-.8	-.8	0	0
14	LADDER-RUNG-7	X	-.8	-.8	0	0
15	LADDER-RUNG-8	X	-.8	-.8	0	0
16	LADDER-RUNG-9	X	-.8	-.8	0	0
17	BRACE-1	X	-5	-5	0	0
18	BRACE-2	X	-10.1	-10.1	0	0
19	BRACE-3	X	-5	-5	0	0
20	SA1	X	-4.4	-4.4	0	0
21	SA2	X	-3.2	-3.2	0	0
22	SA3	X	-1.2	-1.2	0	0
23	HR-0	X	-1.8	-1.8	0	0
24	HR-120	X	-1.8	-1.8	0	0
25	HR-240	X	-3.7	-3.7	0	0
26	HR-CORN-1	X	-2.2	-2.2	0	0
27	HR-CORN-2	X	-2.2	-2.2	0	0
28	HR-CORN-3	X	-4.4	-4.4	0	0
29	FM-BOT-0	Z	-11.2	-11.2	0	0
30	FM-BOT-120	Z	-11.2	-11.2	0	0
31	FM-BOT-240	Z	-22.5	-22.5	0	0
32	LAD-H-1	Z	-15.1	-15.1	0	0
33	LAD-H-2	Z	-8.7	-8.7	0	0
34	LADDER-RAIL-1	Z	-7.9	-7.9	0	0
35	LADDER-RAIL-2	Z	-7.9	-7.9	0	0
36	LADDER-RUNG-1	Z	-1.4	-1.4	0	0
37	LADDER-RUNG-2	Z	-1.4	-1.4	0	0
38	LADDER-RUNG-3	Z	-1.4	-1.4	0	0
39	LADDER-RUNG-4	Z	-1.4	-1.4	0	0
40	LADDER-RUNG-5	Z	-1.4	-1.4	0	0
41	LADDER-RUNG-6	Z	-1.4	-1.4	0	0
42	LADDER-RUNG-7	Z	-1.4	-1.4	0	0
43	LADDER-RUNG-8	Z	-1.4	-1.4	0	0
44	LADDER-RUNG-9	Z	-1.4	-1.4	0	0
45	BRACE-1	Z	-8.7	-8.7	0	0
46	BRACE-2	Z	-17.4	-17.4	0	0
47	BRACE-3	Z	-8.7	-8.7	0	0
48	SA1	Z	-7.6	-7.6	0	0
49	SA2	Z	-5.6	-5.6	0	0
50	SA3	Z	-2	-2	0	0
51	HR-0	Z	-3.2	-3.2	0	0
52	HR-120	Z	-3.2	-3.2	0	0
53	HR-240	Z	-6.4	-6.4	0	0
54	HR-CORN-1	Z	-3.8	-3.8	0	0
55	HR-CORN-2	Z	-3.8	-3.8	0	0
56	HR-CORN-3	Z	-7.7	-7.7	0	0

Member Distributed Loads (BLC 11 : Wind Load (270 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	FM-BOT-0	X	0	0	0	0
2	FM-BOT-120	X	0	0	0	0
3	FM-BOT-240	X	0	0	0	0
4	LAD-H-1	X	0	0	0	0
5	LAD-H-2	X	0	0	0	0
6	LADDER-RAIL-1	X	0	0	0	0
7	LADDER-RAIL-2	X	0	0	0	0
8	LADDER-RUNG-1	X	0	0	0	0
9	LADDER-RUNG-2	X	0	0	0	0
10	LADDER-RUNG-3	X	0	0	0	0
11	LADDER-RUNG-4	X	0	0	0	0
12	LADDER-RUNG-5	X	0	0	0	0
13	LADDER-RUNG-6	X	0	0	0	0
14	LADDER-RUNG-7	X	0	0	0	0
15	LADDER-RUNG-8	X	0	0	0	0
16	LADDER-RUNG-9	X	0	0	0	0
17	BRACE-1	X	0	0	0	0
18	BRACE-2	X	0	0	0	0
19	BRACE-3	X	0	0	0	0
20	SA1	X	0	0	0	0
21	SA2	X	0	0	0	0
22	SA3	X	0	0	0	0
23	HR-0	X	0	0	0	0
24	HR-120	X	0	0	0	0
25	HR-240	X	0	0	0	0
26	HR-CORN-1	X	0	0	0	0
27	HR-CORN-2	X	0	0	0	0
28	HR-CORN-3	X	0	0	0	0
29	FM-BOT-0	Z	0	0	0	0
30	FM-BOT-120	Z	-22.5	-22.5	0	0
31	FM-BOT-240	Z	-22.5	-22.5	0	0
32	LAD-H-1	Z	-20.1	-20.1	0	0
33	LAD-H-2	Z	0	0	0	0
34	LADDER-RAIL-1	Z	-9.1	-9.1	0	0
35	LADDER-RAIL-2	Z	-9.1	-9.1	0	0
36	LADDER-RUNG-1	Z	-1.9	-1.9	0	0
37	LADDER-RUNG-2	Z	-1.9	-1.9	0	0
38	LADDER-RUNG-3	Z	-1.9	-1.9	0	0
39	LADDER-RUNG-4	Z	-1.9	-1.9	0	0
40	LADDER-RUNG-5	Z	-1.9	-1.9	0	0
41	LADDER-RUNG-6	Z	-1.9	-1.9	0	0
42	LADDER-RUNG-7	Z	-1.9	-1.9	0	0
43	LADDER-RUNG-8	Z	-1.9	-1.9	0	0
44	LADDER-RUNG-9	Z	-1.9	-1.9	0	0
45	BRACE-1	Z	-17.4	-17.4	0	0
46	BRACE-2	Z	-17.4	-17.4	0	0
47	BRACE-3	Z	0	0	0	0
48	SA1	Z	-8.8	-8.8	0	0
49	SA2	Z	-2.4	-2.4	0	0
50	SA3	Z	-6.4	-6.4	0	0
51	HR-0	Z	0	0	0	0
52	HR-120	Z	-6.4	-6.4	0	0
53	HR-240	Z	-6.4	-6.4	0	0
54	HR-CORN-1	Z	0	0	0	0
55	HR-CORN-2	Z	-7.7	-7.7	0	0
56	HR-CORN-3	Z	-7.7	-7.7	0	0

Member Distributed Loads (BLC 12 : Wind Load (300 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	FM-BOT-0	X	6.5	6.5	0	0
2	FM-BOT-120	X	13	13	0	0
3	FM-BOT-240	X	6.5	6.5	0	0
4	LAD-H-1	X	8.7	8.7	0	0
5	LAD-H-2	X	5	5	0	0
6	LADDER-RAIL-1	X	4.5	4.5	0	0
7	LADDER-RAIL-2	X	4.5	4.5	0	0
8	LADDER-RUNG-1	X	.8	.8	0	0
9	LADDER-RUNG-2	X	.8	.8	0	0
10	LADDER-RUNG-3	X	.8	.8	0	0
11	LADDER-RUNG-4	X	.8	.8	0	0
12	LADDER-RUNG-5	X	.8	.8	0	0
13	LADDER-RUNG-6	X	.8	.8	0	0
14	LADDER-RUNG-7	X	.8	.8	0	0
15	LADDER-RUNG-8	X	.8	.8	0	0
16	LADDER-RUNG-9	X	.8	.8	0	0
17	BRACE-1	X	10.1	10.1	0	0
18	BRACE-2	X	5	5	0	0
19	BRACE-3	X	5	5	0	0
20	SA1	X	3.2	3.2	0	0
21	SA2	X	1.2	1.2	0	0
22	SA3	X	4.4	4.4	0	0
23	HR-0	X	1.8	1.8	0	0
24	HR-120	X	3.7	3.7	0	0
25	HR-240	X	1.8	1.8	0	0
26	HR-CORN-1	X	2.2	2.2	0	0
27	HR-CORN-2	X	4.4	4.4	0	0
28	HR-CORN-3	X	2.2	2.2	0	0
29	FM-BOT-0	Z	-11.2	-11.2	0	0
30	FM-BOT-120	Z	-22.5	-22.5	0	0
31	FM-BOT-240	Z	-11.2	-11.2	0	0
32	LAD-H-1	Z	-15.1	-15.1	0	0
33	LAD-H-2	Z	-8.7	-8.7	0	0
34	LADDER-RAIL-1	Z	-7.9	-7.9	0	0
35	LADDER-RAIL-2	Z	-7.9	-7.9	0	0
36	LADDER-RUNG-1	Z	-1.4	-1.4	0	0
37	LADDER-RUNG-2	Z	-1.4	-1.4	0	0
38	LADDER-RUNG-3	Z	-1.4	-1.4	0	0
39	LADDER-RUNG-4	Z	-1.4	-1.4	0	0
40	LADDER-RUNG-5	Z	-1.4	-1.4	0	0
41	LADDER-RUNG-6	Z	-1.4	-1.4	0	0
42	LADDER-RUNG-7	Z	-1.4	-1.4	0	0
43	LADDER-RUNG-8	Z	-1.4	-1.4	0	0
44	LADDER-RUNG-9	Z	-1.4	-1.4	0	0
45	BRACE-1	Z	-17.4	-17.4	0	0
46	BRACE-2	Z	-8.7	-8.7	0	0
47	BRACE-3	Z	-8.7	-8.7	0	0
48	SA1	Z	-5.6	-5.6	0	0
49	SA2	Z	-2	-2	0	0
50	SA3	Z	-7.6	-7.6	0	0
51	HR-0	Z	-3.2	-3.2	0	0
52	HR-120	Z	-6.4	-6.4	0	0
53	HR-240	Z	-3.2	-3.2	0	0
54	HR-CORN-1	Z	-3.8	-3.8	0	0
55	HR-CORN-2	Z	-7.7	-7.7	0	0
56	HR-CORN-3	Z	-3.8	-3.8	0	0

Member Distributed Loads (BLC 13 : Wind Load (330 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	FM-BOT-0	X	19.4	19.4	0	0
2	FM-BOT-120	X	19.4	19.4	0	0
3	FM-BOT-240	X	0	0	0	0
4	LAD-H-1	X	8.7	8.7	0	0
5	LAD-H-2	X	15.1	15.1	0	0
6	LADDER-RAIL-1	X	7.9	7.9	0	0
7	LADDER-RAIL-2	X	7.9	7.9	0	0
8	LADDER-RUNG-1	X	.8	.8	0	0
9	LADDER-RUNG-2	X	.8	.8	0	0
10	LADDER-RUNG-3	X	.8	.8	0	0
11	LADDER-RUNG-4	X	.8	.8	0	0
12	LADDER-RUNG-5	X	.8	.8	0	0
13	LADDER-RUNG-6	X	.8	.8	0	0
14	LADDER-RUNG-7	X	.8	.8	0	0
15	LADDER-RUNG-8	X	.8	.8	0	0
16	LADDER-RUNG-9	X	.8	.8	0	0
17	BRACE-1	X	15.1	15.1	0	0
18	BRACE-2	X	0	0	0	0
19	BRACE-3	X	15.1	15.1	0	0
20	SA1	X	2	2	0	0
21	SA2	X	5.6	5.6	0	0
22	SA3	X	7.6	7.6	0	0
23	HR-0	X	5.5	5.5	0	0
24	HR-120	X	5.5	5.5	0	0
25	HR-240	X	0	0	0	0
26	HR-CORN-1	X	6.6	6.6	0	0
27	HR-CORN-2	X	6.6	6.6	0	0
28	HR-CORN-3	X	0	0	0	0
29	FM-BOT-0	Z	-11.2	-11.2	0	0
30	FM-BOT-120	Z	-11.2	-11.2	0	0
31	FM-BOT-240	Z	0	0	0	0
32	LAD-H-1	Z	-5	-5	0	0
33	LAD-H-2	Z	-8.7	-8.7	0	0
34	LADDER-RAIL-1	Z	-4.5	-4.5	0	0
35	LADDER-RAIL-2	Z	-4.5	-4.5	0	0
36	LADDER-RUNG-1	Z	-.5	-.5	0	0
37	LADDER-RUNG-2	Z	-.5	-.5	0	0
38	LADDER-RUNG-3	Z	-.5	-.5	0	0
39	LADDER-RUNG-4	Z	-.5	-.5	0	0
40	LADDER-RUNG-5	Z	-.5	-.5	0	0
41	LADDER-RUNG-6	Z	-.5	-.5	0	0
42	LADDER-RUNG-7	Z	-.5	-.5	0	0
43	LADDER-RUNG-8	Z	-.5	-.5	0	0
44	LADDER-RUNG-9	Z	-.5	-.5	0	0
45	BRACE-1	Z	-8.7	-8.7	0	0
46	BRACE-2	Z	0	0	0	0
47	BRACE-3	Z	-8.7	-8.7	0	0
48	SA1	Z	-1.2	-1.2	0	0
49	SA2	Z	-3.2	-3.2	0	0
50	SA3	Z	-4.4	-4.4	0	0
51	HR-0	Z	-3.2	-3.2	0	0
52	HR-120	Z	-3.2	-3.2	0	0
53	HR-240	Z	0	0	0	0
54	HR-CORN-1	Z	-3.8	-3.8	0	0
55	HR-CORN-2	Z	-3.8	-3.8	0	0
56	HR-CORN-3	Z	0	0	0	0

Member Distributed Loads (BLC 14 : Ice Load)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	FM-BOT-0	Y	-9.1	-9.1	0	0
2	FM-BOT-120	Y	-9.1	-9.1	0	0
3	FM-BOT-240	Y	-9.1	-9.1	0	0
4	LAD-H-1	Y	-9.1	-9.1	0	0
5	LAD-H-2	Y	-9.1	-9.1	0	0
6	LADDER-RAIL-1	Y	-5.1	-5.1	0	0
7	LADDER-RAIL-2	Y	-5.1	-5.1	0	0
8	LADDER-RUNG-1	Y	-2.5	-2.5	0	0
9	LADDER-RUNG-2	Y	-2.5	-2.5	0	0
10	LADDER-RUNG-3	Y	-2.5	-2.5	0	0
11	LADDER-RUNG-4	Y	-2.5	-2.5	0	0
12	LADDER-RUNG-5	Y	-2.5	-2.5	0	0
13	LADDER-RUNG-6	Y	-2.5	-2.5	0	0
14	LADDER-RUNG-7	Y	-2.5	-2.5	0	0
15	LADDER-RUNG-8	Y	-2.5	-2.5	0	0
16	LADDER-RUNG-9	Y	-2.5	-2.5	0	0
17	BRACE-1	Y	-9.1	-9.1	0	0
18	BRACE-2	Y	-9.1	-9.1	0	0
19	BRACE-3	Y	-9.1	-9.1	0	0
20	SA1	Y	-9.5	-9.5	0	0
21	SA2	Y	-9.5	-9.5	0	0
22	SA3	Y	-9.5	-9.5	0	0
23	HR-0	Y	-4.9	-4.9	0	0
24	HR-120	Y	-4.9	-4.9	0	0
25	HR-240	Y	-4.9	-4.9	0	0
26	HR-CORN-1	Y	-6.6	-6.6	0	0
27	HR-CORN-2	Y	-6.6	-6.6	0	0
28	HR-CORN-3	Y	-6.6	-6.6	0	0

Member Distributed Loads (BLC 15 : Wind on Ice (0 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	FM-BOT-0	X	6	6	0	0
2	FM-BOT-120	X	3	3	0	0
3	FM-BOT-240	X	3	3	0	0
4	LAD-H-1	X	0	0	0	0
5	LAD-H-2	X	4.7	4.7	0	0
6	LADDER-RAIL-1	X	3	3	0	0
7	LADDER-RAIL-2	X	3	3	0	0
8	LADDER-RUNG-1	X	0	0	0	0
9	LADDER-RUNG-2	X	0	0	0	0
10	LADDER-RUNG-3	X	0	0	0	0
11	LADDER-RUNG-4	X	0	0	0	0
12	LADDER-RUNG-5	X	0	0	0	0
13	LADDER-RUNG-6	X	0	0	0	0
14	LADDER-RUNG-7	X	0	0	0	0
15	LADDER-RUNG-8	X	0	0	0	0
16	LADDER-RUNG-9	X	0	0	0	0
17	BRACE-1	X	2.3	2.3	0	0
18	BRACE-2	X	2.3	2.3	0	0
19	BRACE-3	X	4.7	4.7	0	0
20	SA1	X	.6	.6	0	0
21	SA2	X	2.4	2.4	0	0
22	SA3	X	1.8	1.8	0	0
23	HR-0	X	2.7	2.7	0	0
24	HR-120	X	1.3	1.3	0	0
25	HR-240	X	1.3	1.3	0	0

Member Distributed Loads (BLC 15 : Wind on Ice (0 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
26	HR-CORN-1	X	2.4	2.4	0	0
27	HR-CORN-2	X	1.2	1.2	0	0
28	HR-CORN-3	X	1.2	1.2	0	0
29	FM-BOT-0	Z	0	0	0	0
30	FM-BOT-120	Z	0	0	0	0
31	FM-BOT-240	Z	0	0	0	0
32	LAD-H-1	Z	0	0	0	0
33	LAD-H-2	Z	0	0	0	0
34	LADDER-RAIL-1	Z	0	0	0	0
35	LADDER-RAIL-2	Z	0	0	0	0
36	LADDER-RUNG-1	Z	0	0	0	0
37	LADDER-RUNG-2	Z	0	0	0	0
38	LADDER-RUNG-3	Z	0	0	0	0
39	LADDER-RUNG-4	Z	0	0	0	0
40	LADDER-RUNG-5	Z	0	0	0	0
41	LADDER-RUNG-6	Z	0	0	0	0
42	LADDER-RUNG-7	Z	0	0	0	0
43	LADDER-RUNG-8	Z	0	0	0	0
44	LADDER-RUNG-9	Z	0	0	0	0
45	BRACE-1	Z	0	0	0	0
46	BRACE-2	Z	0	0	0	0
47	BRACE-3	Z	0	0	0	0
48	SA1	Z	0	0	0	0
49	SA2	Z	0	0	0	0
50	SA3	Z	0	0	0	0
51	HR-0	Z	0	0	0	0
52	HR-120	Z	0	0	0	0
53	HR-240	Z	0	0	0	0
54	HR-CORN-1	Z	0	0	0	0
55	HR-CORN-2	Z	0	0	0	0
56	HR-CORN-3	Z	0	0	0	0

Member Distributed Loads (BLC 16 : Wind on Ice (30 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	FM-BOT-0	X	4.5	4.5	0	0
2	FM-BOT-120	X	0	0	0	0
3	FM-BOT-240	X	4.5	4.5	0	0
4	LAD-H-1	X	2	2	0	0
5	LAD-H-2	X	3.5	3.5	0	0
6	LADDER-RAIL-1	X	2.6	2.6	0	0
7	LADDER-RAIL-2	X	2.6	2.6	0	0
8	LADDER-RUNG-1	X	.5	.5	0	0
9	LADDER-RUNG-2	X	.5	.5	0	0
10	LADDER-RUNG-3	X	.5	.5	0	0
11	LADDER-RUNG-4	X	.5	.5	0	0
12	LADDER-RUNG-5	X	.5	.5	0	0
13	LADDER-RUNG-6	X	.5	.5	0	0
14	LADDER-RUNG-7	X	.5	.5	0	0
15	LADDER-RUNG-8	X	.5	.5	0	0
16	LADDER-RUNG-9	X	.5	.5	0	0
17	BRACE-1	X	0	0	0	0
18	BRACE-2	X	3.5	3.5	0	0
19	BRACE-3	X	3.5	3.5	0	0
20	SA1	X	1.5	1.5	0	0
21	SA2	X	2.1	2.1	0	0
22	SA3	X	.6	.6	0	0

Member Distributed Loads (BLC 16 : Wind on Ice (30 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
23	HR-0	X	2	2	0	0
24	HR-120	X	0	0	0	0
25	HR-240	X	2	2	0	0
26	HR-CORN-1	X	1.8	1.8	0	0
27	HR-CORN-2	X	0	0	0	0
28	HR-CORN-3	X	1.8	1.8	0	0
29	FM-BOT-0	Z	2.6	2.6	0	0
30	FM-BOT-120	Z	0	0	0	0
31	FM-BOT-240	Z	2.6	2.6	0	0
32	LAD-H-1	Z	1.2	1.2	0	0
33	LAD-H-2	Z	2	2	0	0
34	LADDER-RAIL-1	Z	1.5	1.5	0	0
35	LADDER-RAIL-2	Z	1.5	1.5	0	0
36	LADDER-RUNG-1	Z	.3	.3	0	0
37	LADDER-RUNG-2	Z	.3	.3	0	0
38	LADDER-RUNG-3	Z	.3	.3	0	0
39	LADDER-RUNG-4	Z	.3	.3	0	0
40	LADDER-RUNG-5	Z	.3	.3	0	0
41	LADDER-RUNG-6	Z	.3	.3	0	0
42	LADDER-RUNG-7	Z	.3	.3	0	0
43	LADDER-RUNG-8	Z	.3	.3	0	0
44	LADDER-RUNG-9	Z	.3	.3	0	0
45	BRACE-1	Z	0	0	0	0
46	BRACE-2	Z	2	2	0	0
47	BRACE-3	Z	2	2	0	0
48	SA1	Z	.9	.9	0	0
49	SA2	Z	1.2	1.2	0	0
50	SA3	Z	.3	.3	0	0
51	HR-0	Z	1.2	1.2	0	0
52	HR-120	Z	0	0	0	0
53	HR-240	Z	1.2	1.2	0	0
54	HR-CORN-1	Z	1.1	1.1	0	0
55	HR-CORN-2	Z	0	0	0	0
56	HR-CORN-3	Z	1.1	1.1	0	0

Member Distributed Loads (BLC 17 : Wind on Ice (60 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	FM-BOT-0	X	1.5	1.5	0	0
2	FM-BOT-120	X	1.5	1.5	0	0
3	FM-BOT-240	X	3	3	0	0
4	LAD-H-1	X	2	2	0	0
5	LAD-H-2	X	1.2	1.2	0	0
6	LADDER-RAIL-1	X	1.5	1.5	0	0
7	LADDER-RAIL-2	X	1.5	1.5	0	0
8	LADDER-RUNG-1	X	.5	.5	0	0
9	LADDER-RUNG-2	X	.5	.5	0	0
10	LADDER-RUNG-3	X	.5	.5	0	0
11	LADDER-RUNG-4	X	.5	.5	0	0
12	LADDER-RUNG-5	X	.5	.5	0	0
13	LADDER-RUNG-6	X	.5	.5	0	0
14	LADDER-RUNG-7	X	.5	.5	0	0
15	LADDER-RUNG-8	X	.5	.5	0	0
16	LADDER-RUNG-9	X	.5	.5	0	0
17	BRACE-1	X	1.2	1.2	0	0
18	BRACE-2	X	2.3	2.3	0	0
19	BRACE-3	X	1.2	1.2	0	0

Member Distributed Loads (BLC 17 : Wind on Ice (60 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
20	SA1	X	1.2	1.2	0	0
21	SA2	X	.9	.9	0	0
22	SA3	X	.3	.3	0	0
23	HR-0	X	.7	.7	0	0
24	HR-120	X	.7	.7	0	0
25	HR-240	X	1.3	1.3	0	0
26	HR-CORN-1	X	.6	.6	0	0
27	HR-CORN-2	X	.6	.6	0	0
28	HR-CORN-3	X	1.2	1.2	0	0
29	FM-BOT-0	Z	2.6	2.6	0	0
30	FM-BOT-120	Z	2.6	2.6	0	0
31	FM-BOT-240	Z	5.2	5.2	0	0
32	LAD-H-1	Z	3.5	3.5	0	0
33	LAD-H-2	Z	2	2	0	0
34	LADDER-RAIL-1	Z	2.6	2.6	0	0
35	LADDER-RAIL-2	Z	2.6	2.6	0	0
36	LADDER-RUNG-1	Z	.9	.9	0	0
37	LADDER-RUNG-2	Z	.9	.9	0	0
38	LADDER-RUNG-3	Z	.9	.9	0	0
39	LADDER-RUNG-4	Z	.9	.9	0	0
40	LADDER-RUNG-5	Z	.9	.9	0	0
41	LADDER-RUNG-6	Z	.9	.9	0	0
42	LADDER-RUNG-7	Z	.9	.9	0	0
43	LADDER-RUNG-8	Z	.9	.9	0	0
44	LADDER-RUNG-9	Z	.9	.9	0	0
45	BRACE-1	Z	2	2	0	0
46	BRACE-2	Z	4	4	0	0
47	BRACE-3	Z	2	2	0	0
48	SA1	Z	2.1	2.1	0	0
49	SA2	Z	1.5	1.5	0	0
50	SA3	Z	.6	.6	0	0
51	HR-0	Z	1.2	1.2	0	0
52	HR-120	Z	1.2	1.2	0	0
53	HR-240	Z	2.3	2.3	0	0
54	HR-CORN-1	Z	1.1	1.1	0	0
55	HR-CORN-2	Z	1.1	1.1	0	0
56	HR-CORN-3	Z	2.1	2.1	0	0

Member Distributed Loads (BLC 18 : Wind on Ice (90 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	FM-BOT-0	X	0	0	0	0
2	FM-BOT-120	X	0	0	0	0
3	FM-BOT-240	X	0	0	0	0
4	LAD-H-1	X	0	0	0	0
5	LAD-H-2	X	0	0	0	0
6	LADDER-RAIL-1	X	0	0	0	0
7	LADDER-RAIL-2	X	0	0	0	0
8	LADDER-RUNG-1	X	0	0	0	0
9	LADDER-RUNG-2	X	0	0	0	0
10	LADDER-RUNG-3	X	0	0	0	0
11	LADDER-RUNG-4	X	0	0	0	0
12	LADDER-RUNG-5	X	0	0	0	0
13	LADDER-RUNG-6	X	0	0	0	0
14	LADDER-RUNG-7	X	0	0	0	0
15	LADDER-RUNG-8	X	0	0	0	0
16	LADDER-RUNG-9	X	0	0	0	0

Member Distributed Loads (BLC 18 : Wind on Ice (90 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
17	BRACE-1	X	0	0	0	0
18	BRACE-2	X	0	0	0	0
19	BRACE-3	X	0	0	0	0
20	SA1	X	0	0	0	0
21	SA2	X	0	0	0	0
22	SA3	X	0	0	0	0
23	HR-0	X	0	0	0	0
24	HR-120	X	0	0	0	0
25	HR-240	X	0	0	0	0
26	HR-CORN-1	X	0	0	0	0
27	HR-CORN-2	X	0	0	0	0
28	HR-CORN-3	X	0	0	0	0
29	FM-BOT-0	Z	0	0	0	0
30	FM-BOT-120	Z	5.2	5.2	0	0
31	FM-BOT-240	Z	5.2	5.2	0	0
32	LAD-H-1	Z	4.7	4.7	0	0
33	LAD-H-2	Z	0	0	0	0
34	LADDER-RAIL-1	Z	3	3	0	0
35	LADDER-RAIL-2	Z	3	3	0	0
36	LADDER-RUNG-1	Z	1.2	1.2	0	0
37	LADDER-RUNG-2	Z	1.2	1.2	0	0
38	LADDER-RUNG-3	Z	1.2	1.2	0	0
39	LADDER-RUNG-4	Z	1.2	1.2	0	0
40	LADDER-RUNG-5	Z	1.2	1.2	0	0
41	LADDER-RUNG-6	Z	1.2	1.2	0	0
42	LADDER-RUNG-7	Z	1.2	1.2	0	0
43	LADDER-RUNG-8	Z	1.2	1.2	0	0
44	LADDER-RUNG-9	Z	1.2	1.2	0	0
45	BRACE-1	Z	4	4	0	0
46	BRACE-2	Z	4	4	0	0
47	BRACE-3	Z	0	0	0	0
48	SA1	Z	2.4	2.4	0	0
49	SA2	Z	.6	.6	0	0
50	SA3	Z	1.8	1.8	0	0
51	HR-0	Z	0	0	0	0
52	HR-120	Z	2.3	2.3	0	0
53	HR-240	Z	2.3	2.3	0	0
54	HR-CORN-1	Z	0	0	0	0
55	HR-CORN-2	Z	2.1	2.1	0	0
56	HR-CORN-3	Z	2.1	2.1	0	0

Member Distributed Loads (BLC 19 : Wind on Ice (120 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	FM-BOT-0	X	-1.5	-1.5	0	0
2	FM-BOT-120	X	-3	-3	0	0
3	FM-BOT-240	X	-1.5	-1.5	0	0
4	LAD-H-1	X	-2	-2	0	0
5	LAD-H-2	X	-1.2	-1.2	0	0
6	LADDER-RAIL-1	X	-1.5	-1.5	0	0
7	LADDER-RAIL-2	X	-1.5	-1.5	0	0
8	LADDER-RUNG-1	X	-.5	-.5	0	0
9	LADDER-RUNG-2	X	-.5	-.5	0	0
10	LADDER-RUNG-3	X	-.5	-.5	0	0
11	LADDER-RUNG-4	X	-.5	-.5	0	0
12	LADDER-RUNG-5	X	-.5	-.5	0	0
13	LADDER-RUNG-6	X	-.5	-.5	0	0

Member Distributed Loads (BLC 19 : Wind on Ice (120 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
14	LADDER-RUNG-7	X	-.5	-.5	0	0
15	LADDER-RUNG-8	X	-.5	-.5	0	0
16	LADDER-RUNG-9	X	-.5	-.5	0	0
17	BRACE-1	X	-2.3	-2.3	0	0
18	BRACE-2	X	-1.2	-1.2	0	0
19	BRACE-3	X	-1.2	-1.2	0	0
20	SA1	X	-.9	-.9	0	0
21	SA2	X	-.3	-.3	0	0
22	SA3	X	-1.2	-1.2	0	0
23	HR-0	X	-.7	-.7	0	0
24	HR-120	X	-1.3	-1.3	0	0
25	HR-240	X	-.7	-.7	0	0
26	HR-CORN-1	X	-.6	-.6	0	0
27	HR-CORN-2	X	-1.2	-1.2	0	0
28	HR-CORN-3	X	-.6	-.6	0	0
29	FM-BOT-0	Z	2.6	2.6	0	0
30	FM-BOT-120	Z	5.2	5.2	0	0
31	FM-BOT-240	Z	2.6	2.6	0	0
32	LAD-H-1	Z	3.5	3.5	0	0
33	LAD-H-2	Z	2	2	0	0
34	LADDER-RAIL-1	Z	2.6	2.6	0	0
35	LADDER-RAIL-2	Z	2.6	2.6	0	0
36	LADDER-RUNG-1	Z	.9	.9	0	0
37	LADDER-RUNG-2	Z	.9	.9	0	0
38	LADDER-RUNG-3	Z	.9	.9	0	0
39	LADDER-RUNG-4	Z	.9	.9	0	0
40	LADDER-RUNG-5	Z	.9	.9	0	0
41	LADDER-RUNG-6	Z	.9	.9	0	0
42	LADDER-RUNG-7	Z	.9	.9	0	0
43	LADDER-RUNG-8	Z	.9	.9	0	0
44	LADDER-RUNG-9	Z	.9	.9	0	0
45	BRACE-1	Z	4	4	0	0
46	BRACE-2	Z	2	2	0	0
47	BRACE-3	Z	2	2	0	0
48	SA1	Z	1.5	1.5	0	0
49	SA2	Z	.6	.6	0	0
50	SA3	Z	2.1	2.1	0	0
51	HR-0	Z	1.2	1.2	0	0
52	HR-120	Z	2.3	2.3	0	0
53	HR-240	Z	1.2	1.2	0	0
54	HR-CORN-1	Z	1.1	1.1	0	0
55	HR-CORN-2	Z	2.1	2.1	0	0
56	HR-CORN-3	Z	1.1	1.1	0	0

Member Distributed Loads (BLC 20 : Wind on Ice (150 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	FM-BOT-0	X	-4.5	-4.5	0	0
2	FM-BOT-120	X	-4.5	-4.5	0	0
3	FM-BOT-240	X	0	0	0	0
4	LAD-H-1	X	-2	-2	0	0
5	LAD-H-2	X	-3.5	-3.5	0	0
6	LADDER-RAIL-1	X	-2.6	-2.6	0	0
7	LADDER-RAIL-2	X	-2.6	-2.6	0	0
8	LADDER-RUNG-1	X	-.5	-.5	0	0
9	LADDER-RUNG-2	X	-.5	-.5	0	0
10	LADDER-RUNG-3	X	-.5	-.5	0	0

Member Distributed Loads (BLC 20 : Wind on Ice (150 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
11	LADDER-RUNG-4	X	-.5	-.5	0	0
12	LADDER-RUNG-5	X	-.5	-.5	0	0
13	LADDER-RUNG-6	X	-.5	-.5	0	0
14	LADDER-RUNG-7	X	-.5	-.5	0	0
15	LADDER-RUNG-8	X	-.5	-.5	0	0
16	LADDER-RUNG-9	X	-.5	-.5	0	0
17	BRACE-1	X	-3.5	-3.5	0	0
18	BRACE-2	X	0	0	0	0
19	BRACE-3	X	-3.5	-3.5	0	0
20	SA1	X	-.6	-.6	0	0
21	SA2	X	-1.5	-1.5	0	0
22	SA3	X	-2.1	-2.1	0	0
23	HR-0	X	-2	-2	0	0
24	HR-120	X	-2	-2	0	0
25	HR-240	X	0	0	0	0
26	HR-CORN-1	X	-1.8	-1.8	0	0
27	HR-CORN-2	X	-1.8	-1.8	0	0
28	HR-CORN-3	X	0	0	0	0
29	FM-BOT-0	Z	2.6	2.6	0	0
30	FM-BOT-120	Z	2.6	2.6	0	0
31	FM-BOT-240	Z	0	0	0	0
32	LAD-H-1	Z	1.2	1.2	0	0
33	LAD-H-2	Z	2	2	0	0
34	LADDER-RAIL-1	Z	1.5	1.5	0	0
35	LADDER-RAIL-2	Z	1.5	1.5	0	0
36	LADDER-RUNG-1	Z	.3	.3	0	0
37	LADDER-RUNG-2	Z	.3	.3	0	0
38	LADDER-RUNG-3	Z	.3	.3	0	0
39	LADDER-RUNG-4	Z	.3	.3	0	0
40	LADDER-RUNG-5	Z	.3	.3	0	0
41	LADDER-RUNG-6	Z	.3	.3	0	0
42	LADDER-RUNG-7	Z	.3	.3	0	0
43	LADDER-RUNG-8	Z	.3	.3	0	0
44	LADDER-RUNG-9	Z	.3	.3	0	0
45	BRACE-1	Z	2	2	0	0
46	BRACE-2	Z	0	0	0	0
47	BRACE-3	Z	2	2	0	0
48	SA1	Z	.3	.3	0	0
49	SA2	Z	.9	.9	0	0
50	SA3	Z	1.2	1.2	0	0
51	HR-0	Z	1.2	1.2	0	0
52	HR-120	Z	1.2	1.2	0	0
53	HR-240	Z	0	0	0	0
54	HR-CORN-1	Z	1.1	1.1	0	0
55	HR-CORN-2	Z	1.1	1.1	0	0
56	HR-CORN-3	Z	0	0	0	0

Member Distributed Loads (BLC 21 : Wind on Ice (180 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	FM-BOT-0	X	-6	-6	0	0
2	FM-BOT-120	X	-3	-3	0	0
3	FM-BOT-240	X	-3	-3	0	0
4	LAD-H-1	X	0	0	0	0
5	LAD-H-2	X	-4.7	-4.7	0	0
6	LADDER-RAIL-1	X	-3	-3	0	0
7	LADDER-RAIL-2	X	-3	-3	0	0

Member Distributed Loads (BLC 21 : Wind on Ice (180 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
8	LADDER-RUNG-1	X	0	0	0	0
9	LADDER-RUNG-2	X	0	0	0	0
10	LADDER-RUNG-3	X	0	0	0	0
11	LADDER-RUNG-4	X	0	0	0	0
12	LADDER-RUNG-5	X	0	0	0	0
13	LADDER-RUNG-6	X	0	0	0	0
14	LADDER-RUNG-7	X	0	0	0	0
15	LADDER-RUNG-8	X	0	0	0	0
16	LADDER-RUNG-9	X	0	0	0	0
17	BRACE-1	X	-2.3	-2.3	0	0
18	BRACE-2	X	-2.3	-2.3	0	0
19	BRACE-3	X	-4.7	-4.7	0	0
20	SA1	X	-.6	-.6	0	0
21	SA2	X	-2.4	-2.4	0	0
22	SA3	X	-1.8	-1.8	0	0
23	HR-0	X	-2.7	-2.7	0	0
24	HR-120	X	-1.3	-1.3	0	0
25	HR-240	X	-1.3	-1.3	0	0
26	HR-CORN-1	X	-2.4	-2.4	0	0
27	HR-CORN-2	X	-1.2	-1.2	0	0
28	HR-CORN-3	X	-1.2	-1.2	0	0
29	FM-BOT-0	Z	0	0	0	0
30	FM-BOT-120	Z	0	0	0	0
31	FM-BOT-240	Z	0	0	0	0
32	LAD-H-1	Z	0	0	0	0
33	LAD-H-2	Z	0	0	0	0
34	LADDER-RAIL-1	Z	0	0	0	0
35	LADDER-RAIL-2	Z	0	0	0	0
36	LADDER-RUNG-1	Z	0	0	0	0
37	LADDER-RUNG-2	Z	0	0	0	0
38	LADDER-RUNG-3	Z	0	0	0	0
39	LADDER-RUNG-4	Z	0	0	0	0
40	LADDER-RUNG-5	Z	0	0	0	0
41	LADDER-RUNG-6	Z	0	0	0	0
42	LADDER-RUNG-7	Z	0	0	0	0
43	LADDER-RUNG-8	Z	0	0	0	0
44	LADDER-RUNG-9	Z	0	0	0	0
45	BRACE-1	Z	0	0	0	0
46	BRACE-2	Z	0	0	0	0
47	BRACE-3	Z	0	0	0	0
48	SA1	Z	0	0	0	0
49	SA2	Z	0	0	0	0
50	SA3	Z	0	0	0	0
51	HR-0	Z	0	0	0	0
52	HR-120	Z	0	0	0	0
53	HR-240	Z	0	0	0	0
54	HR-CORN-1	Z	0	0	0	0
55	HR-CORN-2	Z	0	0	0	0
56	HR-CORN-3	Z	0	0	0	0

Member Distributed Loads (BLC 22 : Wind on Ice (210 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	FM-BOT-0	X	-4.5	-4.5	0	0
2	FM-BOT-120	X	0	0	0	0
3	FM-BOT-240	X	-4.5	-4.5	0	0
4	LAD-H-1	X	-2	-2	0	0

Member Distributed Loads (BLC 22 : Wind on Ice (210 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
5	LAD-H-2	X	-3.5	-3.5	0	0
6	LADDER-RAIL-1	X	-2.6	-2.6	0	0
7	LADDER-RAIL-2	X	-2.6	-2.6	0	0
8	LADDER-RUNG-1	X	-.5	-.5	0	0
9	LADDER-RUNG-2	X	-.5	-.5	0	0
10	LADDER-RUNG-3	X	-.5	-.5	0	0
11	LADDER-RUNG-4	X	-.5	-.5	0	0
12	LADDER-RUNG-5	X	-.5	-.5	0	0
13	LADDER-RUNG-6	X	-.5	-.5	0	0
14	LADDER-RUNG-7	X	-.5	-.5	0	0
15	LADDER-RUNG-8	X	-.5	-.5	0	0
16	LADDER-RUNG-9	X	-.5	-.5	0	0
17	BRACE-1	X	0	0	0	0
18	BRACE-2	X	-3.5	-3.5	0	0
19	BRACE-3	X	-3.5	-3.5	0	0
20	SA1	X	-1.5	-1.5	0	0
21	SA2	X	-2.1	-2.1	0	0
22	SA3	X	-.6	-.6	0	0
23	HR-0	X	-2	-2	0	0
24	HR-120	X	0	0	0	0
25	HR-240	X	-2	-2	0	0
26	HR-CORN-1	X	-1.8	-1.8	0	0
27	HR-CORN-2	X	0	0	0	0
28	HR-CORN-3	X	-1.8	-1.8	0	0
29	FM-BOT-0	Z	-2.6	-2.6	0	0
30	FM-BOT-120	Z	0	0	0	0
31	FM-BOT-240	Z	-2.6	-2.6	0	0
32	LAD-H-1	Z	-1.2	-1.2	0	0
33	LAD-H-2	Z	-2	-2	0	0
34	LADDER-RAIL-1	Z	-1.5	-1.5	0	0
35	LADDER-RAIL-2	Z	-1.5	-1.5	0	0
36	LADDER-RUNG-1	Z	-.3	-.3	0	0
37	LADDER-RUNG-2	Z	-.3	-.3	0	0
38	LADDER-RUNG-3	Z	-.3	-.3	0	0
39	LADDER-RUNG-4	Z	-.3	-.3	0	0
40	LADDER-RUNG-5	Z	-.3	-.3	0	0
41	LADDER-RUNG-6	Z	-.3	-.3	0	0
42	LADDER-RUNG-7	Z	-.3	-.3	0	0
43	LADDER-RUNG-8	Z	-.3	-.3	0	0
44	LADDER-RUNG-9	Z	-.3	-.3	0	0
45	BRACE-1	Z	0	0	0	0
46	BRACE-2	Z	-2	-2	0	0
47	BRACE-3	Z	-2	-2	0	0
48	SA1	Z	-.9	-.9	0	0
49	SA2	Z	-1.2	-1.2	0	0
50	SA3	Z	-.3	-.3	0	0
51	HR-0	Z	-1.2	-1.2	0	0
52	HR-120	Z	0	0	0	0
53	HR-240	Z	-1.2	-1.2	0	0
54	HR-CORN-1	Z	-1.1	-1.1	0	0
55	HR-CORN-2	Z	0	0	0	0
56	HR-CORN-3	Z	-1.1	-1.1	0	0

Member Distributed Loads (BLC 23 : Wind on Ice (240 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	FM-BOT-0	X	-1.5	-1.5	0	0

Member Distributed Loads (BLC 23 : Wind on Ice (240 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
2	FM-BOT-120	X	-1.5	-1.5	0	0
3	FM-BOT-240	X	-3	-3	0	0
4	LAD-H-1	X	-2	-2	0	0
5	LAD-H-2	X	-1.2	-1.2	0	0
6	LADDER-RAIL-1	X	-1.5	-1.5	0	0
7	LADDER-RAIL-2	X	-1.5	-1.5	0	0
8	LADDER-RUNG-1	X	-.5	-.5	0	0
9	LADDER-RUNG-2	X	-.5	-.5	0	0
10	LADDER-RUNG-3	X	-.5	-.5	0	0
11	LADDER-RUNG-4	X	-.5	-.5	0	0
12	LADDER-RUNG-5	X	-.5	-.5	0	0
13	LADDER-RUNG-6	X	-.5	-.5	0	0
14	LADDER-RUNG-7	X	-.5	-.5	0	0
15	LADDER-RUNG-8	X	-.5	-.5	0	0
16	LADDER-RUNG-9	X	-.5	-.5	0	0
17	BRACE-1	X	-1.2	-1.2	0	0
18	BRACE-2	X	-2.3	-2.3	0	0
19	BRACE-3	X	-1.2	-1.2	0	0
20	SA1	X	-1.2	-1.2	0	0
21	SA2	X	-.9	-.9	0	0
22	SA3	X	-.3	-.3	0	0
23	HR-0	X	-.7	-.7	0	0
24	HR-120	X	-.7	-.7	0	0
25	HR-240	X	-1.3	-1.3	0	0
26	HR-CORN-1	X	-.6	-.6	0	0
27	HR-CORN-2	X	-.6	-.6	0	0
28	HR-CORN-3	X	-1.2	-1.2	0	0
29	FM-BOT-0	Z	-2.6	-2.6	0	0
30	FM-BOT-120	Z	-2.6	-2.6	0	0
31	FM-BOT-240	Z	-5.2	-5.2	0	0
32	LAD-H-1	Z	-3.5	-3.5	0	0
33	LAD-H-2	Z	-2	-2	0	0
34	LADDER-RAIL-1	Z	-2.6	-2.6	0	0
35	LADDER-RAIL-2	Z	-2.6	-2.6	0	0
36	LADDER-RUNG-1	Z	-.9	-.9	0	0
37	LADDER-RUNG-2	Z	-.9	-.9	0	0
38	LADDER-RUNG-3	Z	-.9	-.9	0	0
39	LADDER-RUNG-4	Z	-.9	-.9	0	0
40	LADDER-RUNG-5	Z	-.9	-.9	0	0
41	LADDER-RUNG-6	Z	-.9	-.9	0	0
42	LADDER-RUNG-7	Z	-.9	-.9	0	0
43	LADDER-RUNG-8	Z	-.9	-.9	0	0
44	LADDER-RUNG-9	Z	-.9	-.9	0	0
45	BRACE-1	Z	-2	-2	0	0
46	BRACE-2	Z	-4	-4	0	0
47	BRACE-3	Z	-2	-2	0	0
48	SA1	Z	-2.1	-2.1	0	0
49	SA2	Z	-1.5	-1.5	0	0
50	SA3	Z	-.6	-.6	0	0
51	HR-0	Z	-1.2	-1.2	0	0
52	HR-120	Z	-1.2	-1.2	0	0
53	HR-240	Z	-2.3	-2.3	0	0
54	HR-CORN-1	Z	-1.1	-1.1	0	0
55	HR-CORN-2	Z	-1.1	-1.1	0	0
56	HR-CORN-3	Z	-2.1	-2.1	0	0

Member Distributed Loads (BLC 24 : Wind on Ice (270 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	FM-BOT-0	X	0	0	0	0
2	FM-BOT-120	X	0	0	0	0
3	FM-BOT-240	X	0	0	0	0
4	LAD-H-1	X	0	0	0	0
5	LAD-H-2	X	0	0	0	0
6	LADDER-RAIL-1	X	0	0	0	0
7	LADDER-RAIL-2	X	0	0	0	0
8	LADDER-RUNG-1	X	0	0	0	0
9	LADDER-RUNG-2	X	0	0	0	0
10	LADDER-RUNG-3	X	0	0	0	0
11	LADDER-RUNG-4	X	0	0	0	0
12	LADDER-RUNG-5	X	0	0	0	0
13	LADDER-RUNG-6	X	0	0	0	0
14	LADDER-RUNG-7	X	0	0	0	0
15	LADDER-RUNG-8	X	0	0	0	0
16	LADDER-RUNG-9	X	0	0	0	0
17	BRACE-1	X	0	0	0	0
18	BRACE-2	X	0	0	0	0
19	BRACE-3	X	0	0	0	0
20	SA1	X	0	0	0	0
21	SA2	X	0	0	0	0
22	SA3	X	0	0	0	0
23	HR-0	X	0	0	0	0
24	HR-120	X	0	0	0	0
25	HR-240	X	0	0	0	0
26	HR-CORN-1	X	0	0	0	0
27	HR-CORN-2	X	0	0	0	0
28	HR-CORN-3	X	0	0	0	0
29	FM-BOT-0	Z	0	0	0	0
30	FM-BOT-120	Z	-5.2	-5.2	0	0
31	FM-BOT-240	Z	-5.2	-5.2	0	0
32	LAD-H-1	Z	-4.7	-4.7	0	0
33	LAD-H-2	Z	0	0	0	0
34	LADDER-RAIL-1	Z	-3	-3	0	0
35	LADDER-RAIL-2	Z	-3	-3	0	0
36	LADDER-RUNG-1	Z	-1.2	-1.2	0	0
37	LADDER-RUNG-2	Z	-1.2	-1.2	0	0
38	LADDER-RUNG-3	Z	-1.2	-1.2	0	0
39	LADDER-RUNG-4	Z	-1.2	-1.2	0	0
40	LADDER-RUNG-5	Z	-1.2	-1.2	0	0
41	LADDER-RUNG-6	Z	-1.2	-1.2	0	0
42	LADDER-RUNG-7	Z	-1.2	-1.2	0	0
43	LADDER-RUNG-8	Z	-1.2	-1.2	0	0
44	LADDER-RUNG-9	Z	-1.2	-1.2	0	0
45	BRACE-1	Z	-4	-4	0	0
46	BRACE-2	Z	-4	-4	0	0
47	BRACE-3	Z	0	0	0	0
48	SA1	Z	-2.4	-2.4	0	0
49	SA2	Z	-.6	-.6	0	0
50	SA3	Z	-1.8	-1.8	0	0
51	HR-0	Z	0	0	0	0
52	HR-120	Z	-2.3	-2.3	0	0
53	HR-240	Z	-2.3	-2.3	0	0
54	HR-CORN-1	Z	0	0	0	0
55	HR-CORN-2	Z	-2.1	-2.1	0	0
56	HR-CORN-3	Z	-2.1	-2.1	0	0

Member Distributed Loads (BLC 25 : Wind on Ice (300 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	FM-BOT-0	X	1.5	1.5	0	0
2	FM-BOT-120	X	3	3	0	0
3	FM-BOT-240	X	1.5	1.5	0	0
4	LAD-H-1	X	2	2	0	0
5	LAD-H-2	X	1.2	1.2	0	0
6	LADDER-RAIL-1	X	1.5	1.5	0	0
7	LADDER-RAIL-2	X	1.5	1.5	0	0
8	LADDER-RUNG-1	X	.5	.5	0	0
9	LADDER-RUNG-2	X	.5	.5	0	0
10	LADDER-RUNG-3	X	.5	.5	0	0
11	LADDER-RUNG-4	X	.5	.5	0	0
12	LADDER-RUNG-5	X	.5	.5	0	0
13	LADDER-RUNG-6	X	.5	.5	0	0
14	LADDER-RUNG-7	X	.5	.5	0	0
15	LADDER-RUNG-8	X	.5	.5	0	0
16	LADDER-RUNG-9	X	.5	.5	0	0
17	BRACE-1	X	2.3	2.3	0	0
18	BRACE-2	X	1.2	1.2	0	0
19	BRACE-3	X	1.2	1.2	0	0
20	SA1	X	.9	.9	0	0
21	SA2	X	.3	.3	0	0
22	SA3	X	1.2	1.2	0	0
23	HR-0	X	.7	.7	0	0
24	HR-120	X	1.3	1.3	0	0
25	HR-240	X	.7	.7	0	0
26	HR-CORN-1	X	.6	.6	0	0
27	HR-CORN-2	X	1.2	1.2	0	0
28	HR-CORN-3	X	.6	.6	0	0
29	FM-BOT-0	Z	-2.6	-2.6	0	0
30	FM-BOT-120	Z	-5.2	-5.2	0	0
31	FM-BOT-240	Z	-2.6	-2.6	0	0
32	LAD-H-1	Z	-3.5	-3.5	0	0
33	LAD-H-2	Z	-2	-2	0	0
34	LADDER-RAIL-1	Z	-2.6	-2.6	0	0
35	LADDER-RAIL-2	Z	-2.6	-2.6	0	0
36	LADDER-RUNG-1	Z	-.9	-.9	0	0
37	LADDER-RUNG-2	Z	-.9	-.9	0	0
38	LADDER-RUNG-3	Z	-.9	-.9	0	0
39	LADDER-RUNG-4	Z	-.9	-.9	0	0
40	LADDER-RUNG-5	Z	-.9	-.9	0	0
41	LADDER-RUNG-6	Z	-.9	-.9	0	0
42	LADDER-RUNG-7	Z	-.9	-.9	0	0
43	LADDER-RUNG-8	Z	-.9	-.9	0	0
44	LADDER-RUNG-9	Z	-.9	-.9	0	0
45	BRACE-1	Z	-4	-4	0	0
46	BRACE-2	Z	-2	-2	0	0
47	BRACE-3	Z	-2	-2	0	0
48	SA1	Z	-1.5	-1.5	0	0
49	SA2	Z	-.6	-.6	0	0
50	SA3	Z	-2.1	-2.1	0	0
51	HR-0	Z	-1.2	-1.2	0	0
52	HR-120	Z	-2.3	-2.3	0	0
53	HR-240	Z	-1.2	-1.2	0	0
54	HR-CORN-1	Z	-1.1	-1.1	0	0
55	HR-CORN-2	Z	-2.1	-2.1	0	0
56	HR-CORN-3	Z	-1.1	-1.1	0	0

Member Distributed Loads (BLC 26 : Wind on Ice (330 deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	FM-BOT-0	X	4.5	4.5	0	0
2	FM-BOT-120	X	4.5	4.5	0	0
3	FM-BOT-240	X	0	0	0	0
4	LAD-H-1	X	2	2	0	0
5	LAD-H-2	X	3.5	3.5	0	0
6	LADDER-RAIL-1	X	2.6	2.6	0	0
7	LADDER-RAIL-2	X	2.6	2.6	0	0
8	LADDER-RUNG-1	X	.5	.5	0	0
9	LADDER-RUNG-2	X	.5	.5	0	0
10	LADDER-RUNG-3	X	.5	.5	0	0
11	LADDER-RUNG-4	X	.5	.5	0	0
12	LADDER-RUNG-5	X	.5	.5	0	0
13	LADDER-RUNG-6	X	.5	.5	0	0
14	LADDER-RUNG-7	X	.5	.5	0	0
15	LADDER-RUNG-8	X	.5	.5	0	0
16	LADDER-RUNG-9	X	.5	.5	0	0
17	BRACE-1	X	3.5	3.5	0	0
18	BRACE-2	X	0	0	0	0
19	BRACE-3	X	3.5	3.5	0	0
20	SA1	X	.6	.6	0	0
21	SA2	X	1.5	1.5	0	0
22	SA3	X	2.1	2.1	0	0
23	HR-0	X	2	2	0	0
24	HR-120	X	2	2	0	0
25	HR-240	X	0	0	0	0
26	HR-CORN-1	X	1.8	1.8	0	0
27	HR-CORN-2	X	1.8	1.8	0	0
28	HR-CORN-3	X	0	0	0	0
29	FM-BOT-0	Z	-2.6	-2.6	0	0
30	FM-BOT-120	Z	-2.6	-2.6	0	0
31	FM-BOT-240	Z	0	0	0	0
32	LAD-H-1	Z	-1.2	-1.2	0	0
33	LAD-H-2	Z	-2	-2	0	0
34	LADDER-RAIL-1	Z	-1.5	-1.5	0	0
35	LADDER-RAIL-2	Z	-1.5	-1.5	0	0
36	LADDER-RUNG-1	Z	-.3	-.3	0	0
37	LADDER-RUNG-2	Z	-.3	-.3	0	0
38	LADDER-RUNG-3	Z	-.3	-.3	0	0
39	LADDER-RUNG-4	Z	-.3	-.3	0	0
40	LADDER-RUNG-5	Z	-.3	-.3	0	0
41	LADDER-RUNG-6	Z	-.3	-.3	0	0
42	LADDER-RUNG-7	Z	-.3	-.3	0	0
43	LADDER-RUNG-8	Z	-.3	-.3	0	0
44	LADDER-RUNG-9	Z	-.3	-.3	0	0
45	BRACE-1	Z	-2	-2	0	0
46	BRACE-2	Z	0	0	0	0
47	BRACE-3	Z	-2	-2	0	0
48	SA1	Z	-.3	-.3	0	0
49	SA2	Z	-.9	-.9	0	0
50	SA3	Z	-1.2	-1.2	0	0
51	HR-0	Z	-1.2	-1.2	0	0
52	HR-120	Z	-1.2	-1.2	0	0
53	HR-240	Z	0	0	0	0
54	HR-CORN-1	Z	-1.1	-1.1	0	0
55	HR-CORN-2	Z	-1.1	-1.1	0	0
56	HR-CORN-3	Z	0	0	0	0

Member Distributed Loads (BLC 213 : BLC 1 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1	Y	-.027	-1.36	0	4.143
2	BRACE-1	Y	-1.36	-3.1	4.143	8.286
3	BRACE-1	Y	-3.1	-3.603	8.286	12.429
4	BRACE-1	Y	-3.603	-4.804	12.429	16.571
5	BRACE-1	Y	-4.804	-6.315	16.571	20.714
6	BRACE-1	Y	-6.315	-6.744	20.714	24.857
7	BRACE-1	Y	-6.744	-7.566	24.857	29
8	BRACE-1	Y	-7.566	-7.155	29	33.143
9	BRACE-1	Y	-7.155	-5.934	33.143	37.286
10	BRACE-1	Y	-5.934	-5.593	37.286	41.429
11	BRACE-1	Y	-5.593	-4.09	41.429	45.571
12	BRACE-1	Y	-4.09	-1.991	45.571	49.714
13	BRACE-1	Y	-1.991	-.985	49.714	53.857
14	BRACE-1	Y	-.985	-.158	53.857	58
15	FM-BOT-0	Y	-.129	-.986	0	4.147
16	FM-BOT-0	Y	-.986	-2.076	4.147	8.294
17	FM-BOT-0	Y	-2.076	-3.608	8.294	12.441
18	FM-BOT-0	Y	-3.608	-5.246	12.441	16.588
19	FM-BOT-0	Y	-5.246	-6.882	16.588	20.735
20	FM-BOT-0	Y	-6.882	-7.639	20.735	24.882
21	FM-BOT-0	Y	-7.639	-7.278	24.882	29.029
22	FM-BOT-0	Y	-7.278	-6.551	29.029	33.176
23	FM-BOT-0	Y	-6.551	-5.876	33.176	37.323
24	FM-BOT-0	Y	-5.876	-4.534	37.323	41.47
25	FM-BOT-0	Y	-4.534	-3.027	41.47	45.618
26	FM-BOT-0	Y	-3.027	-2.079	45.618	49.765
27	FM-BOT-0	Y	-2.079	-1.016	49.765	53.912
28	FM-BOT-0	Y	-1.016	-.274	53.912	58.059
29	FM-BOT-0	Y	-.274	-.013	58.059	62.206
30	FM-BOT-0	Y	-.013	-.013	62.206	66.353
31	FM-BOT-0	Y	-.013	-.013	66.353	70.5
32	FM-BOT-240	Y	-.043	-2.01	84.6	88.628
33	FM-BOT-240	Y	-2.01	-3.007	88.628	92.657
34	FM-BOT-240	Y	-3.007	-3.654	92.657	96.685
35	FM-BOT-240	Y	-3.654	-4.974	96.685	100.714
36	FM-BOT-240	Y	-4.974	-6.253	100.714	104.743
37	FM-BOT-240	Y	-6.253	-7.463	104.743	108.771
38	FM-BOT-240	Y	-7.463	-8.421	108.771	112.8
39	FM-BOT-240	Y	-8.421	-7.391	112.8	116.828
40	FM-BOT-240	Y	-7.391	-5.247	116.828	120.857
41	FM-BOT-240	Y	-5.247	-4.349	120.857	124.885
42	FM-BOT-240	Y	-4.349	-3.497	124.885	128.914
43	FM-BOT-240	Y	-3.497	-2.525	128.914	132.943
44	FM-BOT-240	Y	-2.525	-1.273	132.943	136.971
45	FM-BOT-240	Y	-1.273	-.043	136.971	141
46	M26	Y	-3.289	-3.289	0	1.001
47	BRACE-1	Y	-.224	-1.88	0	2.32
48	BRACE-1	Y	-1.88	-3.803	2.32	4.64
49	BRACE-1	Y	-3.803	-3.761	4.64	6.96
50	BRACE-1	Y	-3.761	-1.974	6.96	9.28
51	BRACE-1	Y	-1.974	-.673	9.28	11.6
52	BRACE-2	Y	-.18	-2.192	46.4	48.72
53	BRACE-2	Y	-2.192	-4.139	48.72	51.04
54	BRACE-2	Y	-4.139	-4.054	51.04	53.36
55	BRACE-2	Y	-4.054	-2.052	53.36	55.68
56	BRACE-2	Y	-2.052	-.18	55.68	58
57	FM-BOT-0	Y	-.106	-2.307	56.4	60.428

Member Distributed Loads (BLC 213 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
58	FM-BOT-0	Y	-2.307	-4.754	60.428	64.457
59	FM-BOT-0	Y	-4.754	-5.31	64.457	68.486
60	FM-BOT-0	Y	-5.31	-5.172	68.486	72.514
61	FM-BOT-0	Y	-5.172	-4.372	72.514	76.543
62	FM-BOT-0	Y	-4.372	-2.074	76.543	80.571
63	FM-BOT-0	Y	-2.074	-.106	80.571	84.6
64	BRACE-2	Y	-.581	-1.13	0	4.143
65	BRACE-2	Y	-1.13	-2.317	4.143	8.286
66	BRACE-2	Y	-2.317	-3.488	8.286	12.429
67	BRACE-2	Y	-3.488	-5.175	12.429	16.571
68	BRACE-2	Y	-5.175	-5.874	16.571	20.714
69	BRACE-2	Y	-5.874	-7.028	20.714	24.857
70	BRACE-2	Y	-7.028	-8.224	24.857	29
71	BRACE-2	Y	-8.224	-6.746	29	33.143
72	BRACE-2	Y	-6.746	-5.839	33.143	37.286
73	BRACE-2	Y	-5.839	-4.977	37.286	41.429
74	BRACE-2	Y	-4.977	-3.688	41.429	45.571
75	BRACE-2	Y	-3.688	-2.643	45.571	49.714
76	BRACE-2	Y	-2.643	-1.358	49.714	53.857
77	BRACE-2	Y	-1.358	-.029	53.857	58
78	FM-BOT-0	Y	-.433	-1.515	84.6	88.628
79	FM-BOT-0	Y	-1.515	-2.602	88.628	92.657
80	FM-BOT-0	Y	-2.602	-3.959	92.657	96.685
81	FM-BOT-0	Y	-3.959	-5.128	96.685	100.714
82	FM-BOT-0	Y	-5.128	-6.027	100.714	104.743
83	FM-BOT-0	Y	-6.027	-7.171	104.743	108.771
84	FM-BOT-0	Y	-7.171	-7.516	108.771	112.8
85	FM-BOT-0	Y	-7.516	-7.116	112.8	116.828
86	FM-BOT-0	Y	-7.116	-6.265	116.828	120.857
87	FM-BOT-0	Y	-6.265	-5.056	120.857	124.885
88	FM-BOT-0	Y	-5.056	-3.356	124.885	128.914
89	FM-BOT-0	Y	-3.356	-1.86	128.914	132.943
90	FM-BOT-0	Y	-1.86	-1.07	132.943	136.971
91	FM-BOT-0	Y	-1.07	-.081	136.971	141
92	FM-BOT-120	Y	-.31	-1.506	84.6	88.628
93	FM-BOT-120	Y	-1.506	-2.74	88.628	92.657
94	FM-BOT-120	Y	-2.74	-4.066	92.657	96.685
95	FM-BOT-120	Y	-4.066	-5.305	96.685	100.714
96	FM-BOT-120	Y	-5.305	-5.987	100.714	104.743
97	FM-BOT-120	Y	-5.987	-7.724	104.743	108.771
98	FM-BOT-120	Y	-7.724	-8.135	108.771	112.8
99	FM-BOT-120	Y	-8.135	-7.063	112.8	116.828
100	FM-BOT-120	Y	-7.063	-6.197	116.828	120.857
101	FM-BOT-120	Y	-6.197	-4.475	120.857	124.885
102	FM-BOT-120	Y	-4.475	-3.41	124.885	128.914
103	FM-BOT-120	Y	-3.41	-2.753	128.914	132.943
104	FM-BOT-120	Y	-2.753	-1.405	132.943	136.971
105	FM-BOT-120	Y	-1.405	-.034	136.971	141
106	M27	Y	-1.997	-1.997	0	1.001
107	BRACE-2	Y	-.224	-1.88	0	2.32
108	BRACE-2	Y	-1.88	-3.803	2.32	4.64
109	BRACE-2	Y	-3.803	-3.761	4.64	6.96
110	BRACE-2	Y	-3.761	-1.974	6.96	9.28
111	BRACE-2	Y	-1.974	-.673	9.28	11.6
112	BRACE-3	Y	-.193	-2.21	46.4	48.72
113	BRACE-3	Y	-2.21	-4.16	48.72	51.04
114	BRACE-3	Y	-4.16	-4.192	51.04	53.36

Member Distributed Loads (BLC 213 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
115	BRACE-3	Y	-4.192	-2.356	53.36	55.68
116	BRACE-3	Y	-2.356	-.398	55.68	58
117	FM-BOT-120	Y	-.09	-1.908	56.4	60.428
118	FM-BOT-120	Y	-1.908	-4.297	60.428	64.457
119	FM-BOT-120	Y	-4.297	-5.135	64.457	68.486
120	FM-BOT-120	Y	-5.135	-5.29	68.486	72.514
121	FM-BOT-120	Y	-5.29	-4.738	72.514	76.543
122	FM-BOT-120	Y	-4.738	-2.291	76.543	80.571
123	FM-BOT-120	Y	-2.291	-.09	80.571	84.6
124	BRACE-1	Y	-.18	-2.192	46.4	48.72
125	BRACE-1	Y	-2.192	-4.138	48.72	51.04
126	BRACE-1	Y	-4.138	-4.053	51.04	53.36
127	BRACE-1	Y	-4.053	-2.052	53.36	55.68
128	BRACE-1	Y	-2.052	-.18	55.68	58
129	BRACE-3	Y	-.135	-1.737	0	2.32
130	BRACE-3	Y	-1.737	-3.729	2.32	4.64
131	BRACE-3	Y	-3.729	-3.708	4.64	6.96
132	BRACE-3	Y	-3.708	-1.947	6.96	9.28
133	BRACE-3	Y	-1.947	-.668	9.28	11.6
134	FM-BOT-240	Y	-.11	-2.407	56.4	60.428
135	FM-BOT-240	Y	-2.407	-4.828	60.428	64.457
136	FM-BOT-240	Y	-4.828	-5.318	64.457	68.486
137	FM-BOT-240	Y	-5.318	-5.176	68.486	72.514
138	FM-BOT-240	Y	-5.176	-4.375	72.514	76.543
139	FM-BOT-240	Y	-4.375	-2.078	76.543	80.571
140	FM-BOT-240	Y	-2.078	-.11	80.571	84.6
141	FM-BOT-120	Y	-.027	-1.396	0	4.23
142	FM-BOT-120	Y	-1.396	-2.873	4.23	8.46
143	FM-BOT-120	Y	-2.873	-4.075	8.46	12.69
144	FM-BOT-120	Y	-4.075	-4.817	12.69	16.92
145	FM-BOT-120	Y	-4.817	-4.332	16.92	21.15
146	FM-BOT-120	Y	-4.332	-2.856	21.15	25.38
147	FM-BOT-120	Y	-2.856	-1.514	25.38	29.61
148	FM-BOT-120	Y	-1.514	-.497	29.61	33.84
149	FM-BOT-120	Y	-.497	-.027	33.84	38.07
150	FM-BOT-120	Y	-.027	-.027	38.07	42.3
151	FM-BOT-240	Y	-.014	-.862	0	4.23
152	FM-BOT-240	Y	-.862	-1.886	4.23	8.46
153	FM-BOT-240	Y	-1.886	-3.402	8.46	12.69
154	FM-BOT-240	Y	-3.402	-4.658	12.69	16.92
155	FM-BOT-240	Y	-4.658	-3.866	16.92	21.15
156	FM-BOT-240	Y	-3.866	-2.677	21.15	25.38
157	FM-BOT-240	Y	-2.677	-1.754	25.38	29.61
158	FM-BOT-240	Y	-1.754	-.692	29.61	33.84
159	FM-BOT-240	Y	-.692	-.185	33.84	38.07
160	FM-BOT-240	Y	-.185	-.014	38.07	42.3
161	LAD-H-2	Y	-.05	-1.705	0	4.406
162	LAD-H-2	Y	-1.705	-2.548	4.406	8.812
163	LAD-H-2	Y	-2.548	-3.365	8.812	13.219
164	LAD-H-2	Y	-3.365	-4.051	13.219	17.625
165	LAD-H-2	Y	-4.051	-3.576	17.625	22.031
166	LAD-H-2	Y	-3.576	-3.056	22.031	26.437
167	LAD-H-2	Y	-7.774	-4.829	26.437	30.844
168	LAD-H-2	Y	-4.829	-.687	30.844	35.25
169	M33	Y	-2.351	-2.351	0	1.001
170	BRACE-3	Y	-.625	-1.148	0	4.06
171	BRACE-3	Y	-1.148	-2.352	4.06	8.12

Member Distributed Loads (BLC 213 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
172	BRACE-3	Y	-2.352	-3.917	8.12	12.18
173	BRACE-3	Y	-3.917	-4.57	12.18	16.24
174	BRACE-3	Y	-4.57	-4.741	16.24	20.3
175	BRACE-3	Y	-4.741	-4.931	20.3	24.36
176	BRACE-3	Y	-4.931	-4.985	24.36	28.42
177	BRACE-3	Y	-4.985	-4.989	28.42	32.48
178	BRACE-3	Y	-4.989	-4.74	32.48	36.54
179	BRACE-3	Y	-4.74	-4.241	36.54	40.6
180	FM-BOT-240	Y	-.041	-.277	28.2	32.228
181	FM-BOT-240	Y	-.277	-1.415	32.228	36.257
182	FM-BOT-240	Y	-1.415	-3.191	36.257	40.286
183	FM-BOT-240	Y	-3.191	-3.881	40.286	44.314
184	FM-BOT-240	Y	-3.881	-2.876	44.314	48.343
185	FM-BOT-240	Y	-2.876	-1.485	48.343	52.371
186	FM-BOT-240	Y	-1.485	-.347	52.371	56.4
187	LAD-H-1	Y	-2.186	-2.736	7.881	11.821
188	LAD-H-2	Y	-.195	-3.128	3.525	8.057
189	LAD-H-2	Y	-3.128	-4.704	8.057	12.589
190	LAD-H-2	Y	-4.704	-5.83	12.589	17.121
191	LAD-H-2	Y	-5.83	-5.825	17.121	21.654
192	LAD-H-2	Y	-5.825	-4.718	21.654	26.186
193	RL30	Y	-2.036	-2.036	.1	1.102
194	BRACE-3	Y	-1.029	-1.387	46.4	50.267
195	BRACE-3	Y	-1.387	-.981	50.267	54.133
196	BRACE-3	Y	-.981	-.082	54.133	58
197	FM-BOT-120	Y	0	-.151	28.2	34.243
198	FM-BOT-120	Y	-.151	-.658	34.243	40.286
199	FM-BOT-120	Y	-.658	-1.351	40.286	46.328
200	FM-BOT-120	Y	-1.351	-1.286	46.328	52.371
201	FM-BOT-120	Y	-1.286	-.443	52.371	58.414
202	FM-BOT-120	Y	-.443	0	58.414	64.457
203	LAD-H-1	Y	-.158	-.621	0	3.94
204	LAD-H-1	Y	-.621	-1.156	3.94	7.881
205	LAD-H-1	Y	-1.706	-1.511	11.821	15.762
206	LAD-H-1	Y	-1.511	-.629	15.762	19.702

Member Distributed Loads (BLC 214 : BLC 14 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	BRACE-1	Y	-.048	-2.426	0	4.143
2	BRACE-1	Y	-2.426	-5.528	4.143	8.286
3	BRACE-1	Y	-5.528	-6.425	8.286	12.429
4	BRACE-1	Y	-6.425	-8.567	12.429	16.571
5	BRACE-1	Y	-8.567	-11.263	16.571	20.714
6	BRACE-1	Y	-11.263	-12.026	20.714	24.857
7	BRACE-1	Y	-12.026	-13.493	24.857	29
8	BRACE-1	Y	-13.493	-12.759	29	33.143
9	BRACE-1	Y	-12.759	-10.582	33.143	37.286
10	BRACE-1	Y	-10.582	-9.975	37.286	41.429
11	BRACE-1	Y	-9.975	-7.294	41.429	45.571
12	BRACE-1	Y	-7.294	-3.55	45.571	49.714
13	BRACE-1	Y	-3.55	-1.756	49.714	53.857
14	BRACE-1	Y	-1.756	-.281	53.857	58
15	FM-BOT-0	Y	-.23	-1.758	0	4.147
16	FM-BOT-0	Y	-1.758	-3.702	4.147	8.294
17	FM-BOT-0	Y	-3.702	-6.434	8.294	12.441
18	FM-BOT-0	Y	-6.434	-9.356	12.441	16.588

Member Distributed Loads (BLC 214 : BLC 14 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
19	FM-BOT-0	Y	-9.356	-12.273	16.588	20.735
20	FM-BOT-0	Y	-12.273	-13.623	20.735	24.882
21	FM-BOT-0	Y	-13.623	-12.98	24.882	29.029
22	FM-BOT-0	Y	-12.98	-11.683	29.029	33.176
23	FM-BOT-0	Y	-11.683	-10.478	33.176	37.323
24	FM-BOT-0	Y	-10.478	-8.087	37.323	41.47
25	FM-BOT-0	Y	-8.087	-5.398	41.47	45.618
26	FM-BOT-0	Y	-5.398	-3.708	45.618	49.765
27	FM-BOT-0	Y	-3.708	-1.812	49.765	53.912
28	FM-BOT-0	Y	-1.812	-.489	53.912	58.059
29	FM-BOT-0	Y	-.489	-.022	58.059	62.206
30	FM-BOT-0	Y	-.022	-.022	62.206	66.353
31	FM-BOT-0	Y	-.022	-.022	66.353	70.5
32	FM-BOT-240	Y	-.077	-3.584	84.6	88.628
33	FM-BOT-240	Y	-3.584	-5.362	88.628	92.657
34	FM-BOT-240	Y	-5.362	-6.516	92.657	96.685
35	FM-BOT-240	Y	-6.516	-8.871	96.685	100.714
36	FM-BOT-240	Y	-8.871	-11.152	100.714	104.743
37	FM-BOT-240	Y	-11.152	-13.309	104.743	108.771
38	FM-BOT-240	Y	-13.309	-15.018	108.771	112.8
39	FM-BOT-240	Y	-15.018	-13.181	112.8	116.828
40	FM-BOT-240	Y	-13.181	-9.357	116.828	120.857
41	FM-BOT-240	Y	-9.357	-7.756	120.857	124.885
42	FM-BOT-240	Y	-7.756	-6.236	124.885	128.914
43	FM-BOT-240	Y	-6.236	-4.504	128.914	132.943
44	FM-BOT-240	Y	-4.504	-2.271	132.943	136.971
45	FM-BOT-240	Y	-2.271	-.077	136.971	141
46	M26	Y	-5.865	-5.865	0	1.001
47	BRACE-1	Y	-.399	-3.352	0	2.32
48	BRACE-1	Y	-3.352	-6.781	2.32	4.64
49	BRACE-1	Y	-6.781	-6.706	4.64	6.96
50	BRACE-1	Y	-6.706	-3.52	6.96	9.28
51	BRACE-1	Y	-3.52	-1.201	9.28	11.6
52	BRACE-2	Y	-.32	-3.91	46.4	48.72
53	BRACE-2	Y	-3.91	-7.381	48.72	51.04
54	BRACE-2	Y	-7.381	-7.229	51.04	53.36
55	BRACE-2	Y	-7.229	-3.66	53.36	55.68
56	BRACE-2	Y	-3.66	-.32	55.68	58
57	FM-BOT-0	Y	-.189	-4.114	56.4	60.428
58	FM-BOT-0	Y	-4.114	-8.478	60.428	64.457
59	FM-BOT-0	Y	-8.478	-9.469	64.457	68.486
60	FM-BOT-0	Y	-9.469	-9.224	68.486	72.514
61	FM-BOT-0	Y	-9.224	-7.797	72.514	76.543
62	FM-BOT-0	Y	-7.797	-3.699	76.543	80.571
63	FM-BOT-0	Y	-3.699	-.189	80.571	84.6
64	BRACE-2	Y	-1.036	-2.014	0	4.143
65	BRACE-2	Y	-2.014	-4.132	4.143	8.286
66	BRACE-2	Y	-4.132	-6.22	8.286	12.429
67	BRACE-2	Y	-6.22	-9.229	12.429	16.571
68	BRACE-2	Y	-9.229	-10.475	16.571	20.714
69	BRACE-2	Y	-10.475	-12.533	20.714	24.857
70	BRACE-2	Y	-12.533	-14.666	24.857	29
71	BRACE-2	Y	-14.666	-12.03	29	33.143
72	BRACE-2	Y	-12.03	-10.413	33.143	37.286
73	BRACE-2	Y	-10.413	-8.876	37.286	41.429
74	BRACE-2	Y	-8.876	-6.577	41.429	45.571
75	BRACE-2	Y	-6.577	-4.713	45.571	49.714

Member Distributed Loads (BLC 214 : BLC 14 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
76	BRACE-2	Y	-4.713	-2.421	49.714	53.857
77	BRACE-2	Y	-2.421	-.052	53.857	58
78	FM-BOT-0	Y	-.773	-2.702	84.6	88.628
79	FM-BOT-0	Y	-2.702	-4.641	88.628	92.657
80	FM-BOT-0	Y	-4.641	-7.06	92.657	96.685
81	FM-BOT-0	Y	-7.06	-9.144	96.685	100.714
82	FM-BOT-0	Y	-9.144	-10.749	100.714	104.743
83	FM-BOT-0	Y	-10.749	-12.789	104.743	108.771
84	FM-BOT-0	Y	-12.789	-13.404	108.771	112.8
85	FM-BOT-0	Y	-13.404	-12.691	112.8	116.828
86	FM-BOT-0	Y	-12.691	-11.173	116.828	120.857
87	FM-BOT-0	Y	-11.173	-9.017	120.857	124.885
88	FM-BOT-0	Y	-9.017	-5.984	124.885	128.914
89	FM-BOT-0	Y	-5.984	-3.317	128.914	132.943
90	FM-BOT-0	Y	-3.317	-1.908	132.943	136.971
91	FM-BOT-0	Y	-1.908	-.144	136.971	141
92	FM-BOT-120	Y	-.553	-2.685	84.6	88.628
93	FM-BOT-120	Y	-2.685	-4.886	88.628	92.657
94	FM-BOT-120	Y	-4.886	-7.25	92.657	96.685
95	FM-BOT-120	Y	-7.25	-9.461	96.685	100.714
96	FM-BOT-120	Y	-9.461	-10.676	100.714	104.743
97	FM-BOT-120	Y	-10.676	-13.775	104.743	108.771
98	FM-BOT-120	Y	-13.775	-14.507	108.771	112.8
99	FM-BOT-120	Y	-14.507	-12.596	112.8	116.828
100	FM-BOT-120	Y	-12.596	-11.052	116.828	120.857
101	FM-BOT-120	Y	-11.052	-7.98	120.857	124.885
102	FM-BOT-120	Y	-7.98	-6.08	124.885	128.914
103	FM-BOT-120	Y	-6.08	-4.91	128.914	132.943
104	FM-BOT-120	Y	-4.91	-2.506	132.943	136.971
105	FM-BOT-120	Y	-2.506	-.06	136.971	141
106	M27	Y	-3.562	-3.562	0	1.001
107	BRACE-2	Y	-.399	-3.352	0	2.32
108	BRACE-2	Y	-3.352	-6.781	2.32	4.64
109	BRACE-2	Y	-6.781	-6.706	4.64	6.96
110	BRACE-2	Y	-6.706	-3.52	6.96	9.28
111	BRACE-2	Y	-3.52	-1.201	9.28	11.6
112	BRACE-3	Y	-.345	-3.94	46.4	48.72
113	BRACE-3	Y	-3.94	-7.42	48.72	51.04
114	BRACE-3	Y	-7.42	-7.476	51.04	53.36
115	BRACE-3	Y	-7.476	-4.202	53.36	55.68
116	BRACE-3	Y	-4.202	-.709	55.68	58
117	FM-BOT-120	Y	-.161	-3.403	56.4	60.428
118	FM-BOT-120	Y	-3.403	-7.664	60.428	64.457
119	FM-BOT-120	Y	-7.664	-9.157	64.457	68.486
120	FM-BOT-120	Y	-9.157	-9.435	68.486	72.514
121	FM-BOT-120	Y	-9.435	-8.449	72.514	76.543
122	FM-BOT-120	Y	-8.449	-4.086	76.543	80.571
123	FM-BOT-120	Y	-4.086	-.161	80.571	84.6
124	BRACE-1	Y	-.32	-3.91	46.4	48.72
125	BRACE-1	Y	-3.91	-7.38	48.72	51.04
126	BRACE-1	Y	-7.38	-7.228	51.04	53.36
127	BRACE-1	Y	-7.228	-3.659	53.36	55.68
128	BRACE-1	Y	-3.659	-.32	55.68	58
129	BRACE-3	Y	-.241	-3.099	0	2.32
130	BRACE-3	Y	-3.099	-6.65	2.32	4.64
131	BRACE-3	Y	-6.65	-6.612	4.64	6.96
132	BRACE-3	Y	-6.612	-3.472	6.96	9.28

Member Distributed Loads (BLC 214 : BLC 14 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
133	BRACE-3	Y	-3.472	-1.192	9.28	11.6
134	FM-BOT-240	Y	-.196	-4.293	56.4	60.428
135	FM-BOT-240	Y	-4.293	-8.609	60.428	64.457
136	FM-BOT-240	Y	-8.609	-9.484	64.457	68.486
137	FM-BOT-240	Y	-9.484	-9.231	68.486	72.514
138	FM-BOT-240	Y	-9.231	-7.803	72.514	76.543
139	FM-BOT-240	Y	-7.803	-3.706	76.543	80.571
140	FM-BOT-240	Y	-3.706	-.196	80.571	84.6
141	FM-BOT-120	Y	-.049	-2.49	0	4.23
142	FM-BOT-120	Y	-2.49	-5.124	4.23	8.46
143	FM-BOT-120	Y	-5.124	-7.267	8.46	12.69
144	FM-BOT-120	Y	-7.267	-8.59	12.69	16.92
145	FM-BOT-120	Y	-8.59	-7.725	16.92	21.15
146	FM-BOT-120	Y	-7.725	-5.093	21.15	25.38
147	FM-BOT-120	Y	-5.093	-2.701	25.38	29.61
148	FM-BOT-120	Y	-2.701	-.887	29.61	33.84
149	FM-BOT-120	Y	-.887	-.049	33.84	38.07
150	FM-BOT-120	Y	-.049	-.049	38.07	42.3
151	FM-BOT-240	Y	-.025	-1.536	0	4.23
152	FM-BOT-240	Y	-1.536	-3.363	4.23	8.46
153	FM-BOT-240	Y	-3.363	-6.066	8.46	12.69
154	FM-BOT-240	Y	-6.066	-8.307	12.69	16.92
155	FM-BOT-240	Y	-8.307	-6.894	16.92	21.15
156	FM-BOT-240	Y	-6.894	-4.775	21.15	25.38
157	FM-BOT-240	Y	-4.775	-3.129	25.38	29.61
158	FM-BOT-240	Y	-3.129	-1.234	29.61	33.84
159	FM-BOT-240	Y	-1.234	-.33	33.84	38.07
160	FM-BOT-240	Y	-.33	-.025	38.07	42.3
161	LAD-H-2	Y	-.089	-3.041	0	4.406
162	LAD-H-2	Y	-3.041	-4.544	4.406	8.812
163	LAD-H-2	Y	-4.544	-6.001	8.812	13.219
164	LAD-H-2	Y	-6.001	-7.224	13.219	17.625
165	LAD-H-2	Y	-7.224	-6.378	17.625	22.031
166	LAD-H-2	Y	-6.378	-5.449	22.031	26.437
167	LAD-H-2	Y	-13.863	-8.612	26.437	30.844
168	LAD-H-2	Y	-8.612	-1.225	30.844	35.25
169	M33	Y	-4.193	-4.193	0	1.001
170	BRACE-3	Y	-1.114	-2.047	0	4.06
171	BRACE-3	Y	-2.047	-4.194	4.06	8.12
172	BRACE-3	Y	-4.194	-6.985	8.12	12.18
173	BRACE-3	Y	-6.985	-8.149	12.18	16.24
174	BRACE-3	Y	-8.149	-8.455	16.24	20.3
175	BRACE-3	Y	-8.455	-8.793	20.3	24.36
176	BRACE-3	Y	-8.793	-8.889	24.36	28.42
177	BRACE-3	Y	-8.889	-8.898	28.42	32.48
178	BRACE-3	Y	-8.898	-8.453	32.48	36.54
179	BRACE-3	Y	-8.453	-7.562	36.54	40.6
180	FM-BOT-240	Y	-.072	-.493	28.2	32.228
181	FM-BOT-240	Y	-.493	-2.523	32.228	36.257
182	FM-BOT-240	Y	-2.523	-5.69	36.257	40.286
183	FM-BOT-240	Y	-5.69	-6.921	40.286	44.314
184	FM-BOT-240	Y	-6.921	-5.128	44.314	48.343
185	FM-BOT-240	Y	-5.128	-2.648	48.343	52.371
186	FM-BOT-240	Y	-2.648	-.619	52.371	56.4
187	LAD-H-1	Y	-3.899	-4.879	7.881	11.821
188	LAD-H-2	Y	-.347	-5.578	3.525	8.057
189	LAD-H-2	Y	-5.578	-8.39	8.057	12.589

Member Distributed Loads (BLC 214 : BLC 14 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
190	LAD-H-2	Y	-8.39	-10.398	12.589	17.121
191	LAD-H-2	Y	-10.398	-10.388	17.121	21.654
192	LAD-H-2	Y	-10.388	-8.414	21.654	26.186
193	RL30	Y	-3.631	-3.631	.1	1.102
194	BRACE-3	Y	-1.835	-2.473	46.4	50.267
195	BRACE-3	Y	-2.473	-1.749	50.267	54.133
196	BRACE-3	Y	-1.749	-.147	54.133	58
197	FM-BOT-120	Y	-1.26e-16	-.269	28.2	34.243
198	FM-BOT-120	Y	-.269	-1.174	34.243	40.286
199	FM-BOT-120	Y	-1.174	-2.408	40.286	46.328
200	FM-BOT-120	Y	-2.408	-2.293	46.328	52.371
201	FM-BOT-120	Y	-2.293	-.79	52.371	58.414
202	FM-BOT-120	Y	-.79	-1.26e-16	58.414	64.457
203	FM-BOT-120	Y	-1.26e-16	-1.26e-16	64.457	70.5
204	LAD-H-1	Y	-.281	-1.108	0	3.94
205	LAD-H-1	Y	-1.108	-2.062	3.94	7.881
206	LAD-H-1	Y	-3.042	-2.695	11.821	15.762
207	LAD-H-1	Y	-2.695	-1.122	15.762	19.702

Member Area Loads (BLC 1 : Dead Load)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[psf]
1	N2	N34	N35		Y	Two Way	-6
2	N45	N34	N38	N49	Y	Two Way	-6
3	N38	N3	N37		Y	Two Way	-6
4	N46	N37	N40	N50	Y	Two Way	-6
5	N39	N35	N48	N47	Y	Two Way	-6
6	N6	N5	N1		Y	Two Way	-6
7	N39	N44	N43	N6	Y	Two Way	-6
8	N5	N40	N41		Y	Two Way	-6

Member Area Loads (BLC 14 : Ice Load)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[psf]
1	N2	N34	N35		Y	Two Way	-10.7
2	N45	N34	N38	N49	Y	Two Way	-10.7
3	N38	N3	N37		Y	Two Way	-10.7
4	N46	N37	N40	N50	Y	Two Way	-10.7
5	N39	N35	N48	N47	Y	Two Way	-10.7
6	N6	N5	N1		Y	Two Way	-10.7
7	N39	N44	N43	N6	Y	Two Way	-10.7
8	N5	N40	N41		Y	Two Way	-10.7

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Dead Load	None		-1			12		8	
2	Wind Load (0 deg)	None					24	56		
3	Wind Load (30 deg)	None					24	56		
4	Wind Load (60 deg)	None					24	56		
5	Wind Load (90 deg)	None					24	56		
6	Wind Load (120 deg)	None					24	56		
7	Wind Load (150 deg)	None					24	56		
8	Wind Load (180 deg)	None					24	56		
9	Wind Load (210 deg)	None					24	56		
10	Wind Load (240 deg)	None					24	56		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
11	Wind Load (270 deg)	None					24	56		
12	Wind Load (300 deg)	None					24	56		
13	Wind Load (330 deg)	None					24	56		
14	Ice Load	None					12	28	8	36
15	Wind on Ice (0 deg)	None					24	56		
16	Wind on Ice (30 deg)	None					24	56		
17	Wind on Ice (60 deg)	None					24	56		
18	Wind on Ice (90 deg)	None					24	56		
19	Wind on Ice (120 deg)	None					24	56		
20	Wind on Ice (150 deg)	None					24	56		
21	Wind on Ice (180 deg)	None					24	56		
22	Wind on Ice (210 deg)	None					24	56		
23	Wind on Ice (240 deg)	None					24	56		
24	Wind on Ice (270 deg)	None					24	56		
25	Wind on Ice (300 deg)	None					24	56		
26	Wind on Ice (330 deg)	None					24	56		
27	Horizontal Seismic, E...	None	1				24			
28	Horizontal Seismic, E...	None	.866		.5		24			
29	Horizontal Seismic, E...	None	.5		.866		24			
30	Horizontal Seismic, E...	None			1		24			
31	Horizontal Seismic, E...	None	-.5		.866		24			
32	Horizontal Seismic, E...	None	-.866		.5		24			
33	Horizontal Seismic, E...	None	-1				24			
34	Horizontal Seismic, E...	None	-.866		-.5		24			
35	Horizontal Seismic, E...	None	-.5		-.866		24			
36	Horizontal Seismic, E...	None			-1		24			
37	Horizontal Seismic, E...	None	.5		-.866		24			
38	Horizontal Seismic, E...	None	.866		-.5		24			
39	Maintenance Load, L...	None					1			
40	Maintenance Load, L...	None					1			
41	Maintenance Load, L...	None					1			
42	Maintenance Load, L...	None					1			
43	Maintenance Load, L...	None					1			
44	Maintenance Load, L...	None					1			
45	Maintenance Load, L...	None					1			
46	Maintenance Load, L...	None					1			
47	Maintenance Load, L...	None					1			
48	Maintenance Load, L...	None					1			
49	Maintenance Load, L...	None					1			
50	Maintenance Load, L...	None					1			
51	Maintenance Load, L...	None								
52	Maintenance Load, L...	None								
53	Maintenance Load, L...	None								
54	Maintenance Load, L...	None								
55	Maintenance Load, L...	None								
56	Maintenance Load, L...	None								
57	Maintenance Load, L...	None								
58	Maintenance Load, L...	None								
59	Maintenance Load, L...	None								
60	Maintenance Load, L...	None								
61	Maintenance Load, L...	None								
62	Maintenance Load, L...	None								
63	Maintenance Load, L...	None								
64	Maintenance Load, L...	None								
65	Maintenance Load, L...	None								
66	Maintenance Load, L...	None								
67	Maintenance Load, L...	None								

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
68	Maintenance Load, L...	None								
69	Maintenance Load, L...	None								
70	Maintenance Load, L...	None								
71	Maintenance Load, L...	None								
72	Maintenance Load, L...	None								
73	Maintenance Load, L...	None								
74	Maintenance Load, L...	None								
75	Maintenance Load, L...	None					1			
76	Maintenance Load, L...	None					1			
77	Maintenance Load, L...	None					1			
78	Maintenance Load, L...	None					1			
79	Maintenance Load, L...	None					1			
80	Maintenance Load, L...	None					1			
81	Maintenance Load, L...	None					1			
82	Maintenance Load, L...	None					1			
83	Maintenance Load, L...	None					1			
84	Maintenance Load, L...	None					1			
85	Maintenance Load, L...	None					1			
86	Maintenance Load, L...	None					1			
87	Maintenance Load, L...	None					1			
88	Maintenance Load, L...	None					1			
89	Maintenance Load, L...	None					1			
90	Maintenance Load, L...	None					1			
91	Maintenance Load, L...	None					1			
92	Maintenance Load, L...	None					1			
93	Maintenance Load, L...	None					1			
94	Maintenance Load, L...	None					1			
95	Maintenance Load, L...	None					1			
96	Maintenance Load, L...	None								
97	Maintenance Load, L...	None								
98	Maintenance Load, L...	None								
99	Maintenance Load, L...	None								
100	Maintenance Load, L...	None								
101	Maintenance Load, L...	None								
102	Maintenance Load, L...	None								
103	Maintenance Load, L...	None								
104	Maintenance Load, L...	None								
105	Maintenance Load, L...	None								
106	Maintenance Load, L...	None								
107	Maintenance Load, L...	None								
108	Maintenance Load, L...	None								
109	Maintenance Load, L...	None								
110	Maintenance Load, L...	None								
111	Maintenance Load, L...	None								
112	Maintenance Load, L...	None								
113	Maintenance Load, L...	None								
114	Maintenance Load, L...	None								
115	Maintenance Load, L...	None								
116	Maintenance Load, L...	None								
117	Maintenance Load, L...	None								
118	Maintenance Load, L...	None								
119	Maintenance Load, L...	None								
120	Maintenance Load, L...	None								
121	Maintenance Load, L...	None								
122	Maintenance Load, L...	None								
123	Maintenance Load, L...	None								
124	Maintenance Load, L...	None								

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
125	Maintenance Load, L...	None								
126	Maintenance Load, L...	None								
127	Maintenance Load, L...	None								
128	Maintenance Load, L...	None								
129	Maintenance Load, L...	None								
130	Maintenance Load, L...	None								
131	Maintenance Load, L...	None								
132	Maintenance Load, L...	None								
133	Maintenance Load, L...	None								
134	Maintenance Load, L...	None								
135	Maintenance Load, L...	None								
136	Maintenance Load, L...	None								
137	Maintenance Load, L...	None								
138	Maintenance Load, L...	None								
139	Maintenance Load, L...	None								
140	Maintenance Load, L...	None								
141	Maintenance Load, L...	None								
142	Maintenance Load, L...	None								
143	Maintenance Load, L...	None								
144	Maintenance Load, L...	None								
145	Maintenance Load, L...	None								
146	Maintenance Load, L...	None								
147	Maintenance Load, L...	None								
148	Maintenance Load, L...	None								
149	Maintenance Load, L...	None								
150	Maintenance Load, L...	None								
151	Maintenance Load, L...	None								
152	Maintenance Load, L...	None								
153	Maintenance Load, L...	None								
154	Maintenance Load, L...	None								
155	Maintenance Load, L...	None								
156	Maintenance Load, L...	None								
157	Maintenance Load, L...	None								
158	Maintenance Load, L...	None								
159	Maintenance Load, L...	None								
160	Maintenance Load, L...	None								
161	Maintenance Load, L...	None								
162	Maintenance Load, L...	None								
163	Maintenance Load, L...	None								
164	Maintenance Load, L...	None								
165	Maintenance Load, L...	None								
166	Maintenance Load, L...	None								
167	Maintenance Load, L...	None								
168	Maintenance Load, L...	None								
169	Maintenance Load, L...	None								
170	Maintenance Load, L...	None								
171	Maintenance Load, L...	None								
172	Maintenance Load, L...	None								
173	Maintenance Load, L...	None								
174	Maintenance Load, L...	None								
175	Antenna Dead Load	None					12			
176	Antenna Wind Load (...	None					24			
177	Antenna Wind Load (...	None					24			
178	Antenna Wind Load (...	None					24			
179	Antenna Wind Load (...	None					24			
180	Antenna Wind Load (...	None					24			
181	Antenna Wind Load (...	None					24			

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
182	Antenna Wind Load (...	None					24			
183	Antenna Wind Load (...	None					24			
184	Antenna Wind Load (...	None					24			
185	Antenna Wind Load (...	None					24			
186	Antenna Wind Load (...	None					24			
187	Antenna Wind Load (...	None					24			
188	Antenna Ice Load	None					12			
189	Antenna Wind on Ice ...	None					24			
190	Antenna Wind on Ice ...	None					24			
191	Antenna Wind on Ice ...	None					24			
192	Antenna Wind on Ice ...	None					24			
193	Antenna Wind on Ice ...	None					24			
194	Antenna Wind on Ice ...	None					24			
195	Antenna Wind on Ice ...	None					24			
196	Antenna Wind on Ice ...	None					24			
197	Antenna Wind on Ice ...	None					24			
198	Antenna Wind on Ice ...	None					24			
199	Antenna Wind on Ice ...	None					24			
200	Antenna Wind on Ice ...	None					24			
201	Ant. Horiz. Seismic, E...	None					24			
202	Ant. Horiz. Seismic, E...	None					24			
203	Ant. Horiz. Seismic, E...	None					24			
204	Ant. Horiz. Seismic, E...	None					24			
205	Ant. Horiz. Seismic, E...	None					24			
206	Ant. Horiz. Seismic, E...	None					24			
207	Ant. Horiz. Seismic, E...	None					24			
208	Ant. Horiz. Seismic, E...	None					24			
209	Ant. Horiz. Seismic, E...	None					24			
210	Ant. Horiz. Seismic, E...	None					24			
211	Ant. Horiz. Seismic, E...	None					24			
212	Ant. Horiz. Seismic, E...	None					24			
213	BLC 1 Transient Area...	None						206		
214	BLC 14 Transient Are...	None						207		

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	1.4D	Yes	Y		1	1.4	175	1.4																
2	1.2D + 1.0W (0 d...	Yes	Y		1	1.2	2	1	175	1.2	176	1												
3	1.2D + 1.0W (30 ...	Yes	Y		1	1.2	3	1	175	1.2	177	1												
4	1.2D + 1.0W (60 ...	Yes	Y		1	1.2	4	1	175	1.2	178	1												
5	1.2D + 1.0W (90 ...	Yes	Y		1	1.2	5	1	175	1.2	179	1												
6	1.2D + 1.0W (12...	Yes	Y		1	1.2	6	1	175	1.2	180	1												
7	1.2D + 1.0W (15...	Yes	Y		1	1.2	7	1	175	1.2	181	1												
8	1.2D + 1.0W (18...	Yes	Y		1	1.2	8	1	175	1.2	182	1												
9	1.2D + 1.0W (21...	Yes	Y		1	1.2	9	1	175	1.2	183	1												
10	1.2D + 1.0W (24...	Yes	Y		1	1.2	10	1	175	1.2	184	1												
11	1.2D + 1.0W (27...	Yes	Y		1	1.2	11	1	175	1.2	185	1												
12	1.2D + 1.0W (30...	Yes	Y		1	1.2	12	1	175	1.2	186	1												
13	1.2D + 1.0W (33...	Yes	Y		1	1.2	13	1	175	1.2	187	1												
14	1.2D + Di + Wi (0...	Yes	Y		1	1.2	14	1	15	1	175	1.2	188	1	189	1								
15	1.2D + Di + Wi (3...	Yes	Y		1	1.2	14	1	16	1	175	1.2	188	1	190	1								
16	1.2D + Di + Wi (6...	Yes	Y		1	1.2	14	1	17	1	175	1.2	188	1	191	1								
17	1.2D + Di + Wi (9...	Yes	Y		1	1.2	14	1	18	1	175	1.2	188	1	192	1								
18	1.2D + Di + Wi (1...	Yes	Y		1	1.2	14	1	19	1	175	1.2	188	1	193	1								
19	1.2D + Di + Wi (1...	Yes	Y		1	1.2	14	1	20	1	175	1.2	188	1	194	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...
20	1.2D + Di + Wi (1...	Yes	Y		1	1.2	14	1	21	1	175	1.2	188	1	195	1								
21	1.2D + Di + Wi (2...	Yes	Y		1	1.2	14	1	22	1	175	1.2	188	1	196	1								
22	1.2D + Di + Wi (2...	Yes	Y		1	1.2	14	1	23	1	175	1.2	188	1	197	1								
23	1.2D + Di + Wi (2...	Yes	Y		1	1.2	14	1	24	1	175	1.2	188	1	198	1								
24	1.2D + Di + Wi (3...	Yes	Y		1	1.2	14	1	25	1	175	1.2	188	1	199	1								
25	1.2D + Di + Wi (3...	Yes	Y		1	1.2	14	1	26	1	175	1.2	188	1	200	1								
26	1.2D + 1.0 Ev + ...	Yes	Y		1	1.2	1	.055	27	.138	175	1.2	175	.064	201	.159								
27	1.2D + 1.0 Ev + ...	Yes	Y		1	1.2	1	.055	28	.138	175	1.2	175	.064	202	.159								
28	1.2D + 1.0 Ev + ...	Yes	Y		1	1.2	1	.055	29	.138	175	1.2	175	.064	203	.159								
29	1.2D + 1.0 Ev + ...	Yes	Y		1	1.2	1	.055	30	.138	175	1.2	175	.064	204	.159								
30	1.2D + 1.0 Ev + ...	Yes	Y		1	1.2	1	.055	31	.138	175	1.2	175	.064	205	.159								
31	1.2D + 1.0 Ev + ...	Yes	Y		1	1.2	1	.055	32	.138	175	1.2	175	.064	206	.159								
32	1.2D + 1.0 Ev + ...	Yes	Y		1	1.2	1	.055	33	.138	175	1.2	175	.064	207	.159								
33	1.2D + 1.0 Ev + ...	Yes	Y		1	1.2	1	.055	34	.138	175	1.2	175	.064	208	.159								
34	1.2D + 1.0 Ev + ...	Yes	Y		1	1.2	1	.055	35	.138	175	1.2	175	.064	209	.159								
35	1.2D + 1.0 Ev + ...	Yes	Y		1	1.2	1	.055	36	.138	175	1.2	175	.064	210	.159								
36	1.2D + 1.0 Ev + ...	Yes	Y		1	1.2	1	.055	37	.138	175	1.2	175	.064	211	.159								
37	1.2D + 1.0 Ev + ...	Yes	Y		1	1.2	1	.055	38	.138	175	1.2	175	.064	212	.159								
38	1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.5	2	.067	175	1.2	176	.067										
39	1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.5	3	.067	175	1.2	177	.067										
40	1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.5	4	.067	175	1.2	178	.067										
41	1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.5	5	.067	175	1.2	179	.067										
42	1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.5	6	.067	175	1.2	180	.067										
43	1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.5	7	.067	175	1.2	181	.067										
44	1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.5	8	.067	175	1.2	182	.067										
45	1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.5	9	.067	175	1.2	183	.067										
46	1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.5	10	.067	175	1.2	184	.067										
47	1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.5	11	.067	175	1.2	185	.067										
48	1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.5	12	.067	175	1.2	186	.067										
49	1.2D + 1.5Lm1 + ...	Yes	Y		1	1.2	39	1.5	13	.067	175	1.2	187	.067										
50	1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	40	1.5	2	.067	175	1.2	176	.067										
51	1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	40	1.5	3	.067	175	1.2	177	.067										
52	1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	40	1.5	4	.067	175	1.2	178	.067										
53	1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	40	1.5	5	.067	175	1.2	179	.067										
54	1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	40	1.5	6	.067	175	1.2	180	.067										
55	1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	40	1.5	7	.067	175	1.2	181	.067										
56	1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	40	1.5	8	.067	175	1.2	182	.067										
57	1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	40	1.5	9	.067	175	1.2	183	.067										
58	1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	40	1.5	10	.067	175	1.2	184	.067										
59	1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	40	1.5	11	.067	175	1.2	185	.067										
60	1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	40	1.5	12	.067	175	1.2	186	.067										
61	1.2D + 1.5Lm2 + ...	Yes	Y		1	1.2	40	1.5	13	.067	175	1.2	187	.067										
62	1.2D + 1.5Lm3 + ...	Yes	Y		1	1.2	41	1.5	2	.067	175	1.2	176	.067										
63	1.2D + 1.5Lm3 + ...	Yes	Y		1	1.2	41	1.5	3	.067	175	1.2	177	.067										
64	1.2D + 1.5Lm3 + ...	Yes	Y		1	1.2	41	1.5	4	.067	175	1.2	178	.067										
65	1.2D + 1.5Lm3 + ...	Yes	Y		1	1.2	41	1.5	5	.067	175	1.2	179	.067										
66	1.2D + 1.5Lm3 + ...	Yes	Y		1	1.2	41	1.5	6	.067	175	1.2	180	.067										
67	1.2D + 1.5Lm3 + ...	Yes	Y		1	1.2	41	1.5	7	.067	175	1.2	181	.067										
68	1.2D + 1.5Lm3 + ...	Yes	Y		1	1.2	41	1.5	8	.067	175	1.2	182	.067										
69	1.2D + 1.5Lm3 + ...	Yes	Y		1	1.2	41	1.5	9	.067	175	1.2	183	.067										
70	1.2D + 1.5Lm3 + ...	Yes	Y		1	1.2	41	1.5	10	.067	175	1.2	184	.067										
71	1.2D + 1.5Lm3 + ...	Yes	Y		1	1.2	41	1.5	11	.067	175	1.2	185	.067										
72	1.2D + 1.5Lm3 + ...	Yes	Y		1	1.2	41	1.5	12	.067	175	1.2	186	.067										
73	1.2D + 1.5Lm3 + ...	Yes	Y		1	1.2	41	1.5	13	.067	175	1.2	187	.067										
74	1.2D + 1.5Lm4 + ...	Yes	Y		1	1.2	42	1.5	2	.067	175	1.2	176	.067										
75	1.2D + 1.5Lm4 + ...	Yes	Y		1	1.2	42	1.5	3	.067	175	1.2	177	.067										
76	1.2D + 1.5Lm4 + ...	Yes	Y		1	1.2	42	1.5	4	.067	175	1.2	178	.067										

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...
77	1.2D + 1.5Lm4 + ..	Yes	Y		1	1.2	42	1.5	5	.067	175	1.2	179	.067										
78	1.2D + 1.5Lm4 + ..	Yes	Y		1	1.2	42	1.5	6	.067	175	1.2	180	.067										
79	1.2D + 1.5Lm4 + ..	Yes	Y		1	1.2	42	1.5	7	.067	175	1.2	181	.067										
80	1.2D + 1.5Lm4 + ..	Yes	Y		1	1.2	42	1.5	8	.067	175	1.2	182	.067										
81	1.2D + 1.5Lm4 + ..	Yes	Y		1	1.2	42	1.5	9	.067	175	1.2	183	.067										
82	1.2D + 1.5Lm4 + ..	Yes	Y		1	1.2	42	1.5	10	.067	175	1.2	184	.067										
83	1.2D + 1.5Lm4 + ..	Yes	Y		1	1.2	42	1.5	11	.067	175	1.2	185	.067										
84	1.2D + 1.5Lm4 + ..	Yes	Y		1	1.2	42	1.5	12	.067	175	1.2	186	.067										
85	1.2D + 1.5Lm4 + ..	Yes	Y		1	1.2	42	1.5	13	.067	175	1.2	187	.067										
86	1.2D + 1.5Lm5 + ..	Yes	Y		1	1.2	43	1.5	2	.067	175	1.2	176	.067										
87	1.2D + 1.5Lm5 + ..	Yes	Y		1	1.2	43	1.5	3	.067	175	1.2	177	.067										
88	1.2D + 1.5Lm5 + ..	Yes	Y		1	1.2	43	1.5	4	.067	175	1.2	178	.067										
89	1.2D + 1.5Lm5 + ..	Yes	Y		1	1.2	43	1.5	5	.067	175	1.2	179	.067										
90	1.2D + 1.5Lm5 + ..	Yes	Y		1	1.2	43	1.5	6	.067	175	1.2	180	.067										
91	1.2D + 1.5Lm5 + ..	Yes	Y		1	1.2	43	1.5	7	.067	175	1.2	181	.067										
92	1.2D + 1.5Lm5 + ..	Yes	Y		1	1.2	43	1.5	8	.067	175	1.2	182	.067										
93	1.2D + 1.5Lm5 + ..	Yes	Y		1	1.2	43	1.5	9	.067	175	1.2	183	.067										
94	1.2D + 1.5Lm5 + ..	Yes	Y		1	1.2	43	1.5	10	.067	175	1.2	184	.067										
95	1.2D + 1.5Lm5 + ..	Yes	Y		1	1.2	43	1.5	11	.067	175	1.2	185	.067										
96	1.2D + 1.5Lm5 + ..	Yes	Y		1	1.2	43	1.5	12	.067	175	1.2	186	.067										
97	1.2D + 1.5Lm5 + ..	Yes	Y		1	1.2	43	1.5	13	.067	175	1.2	187	.067										
98	1.2D + 1.5Lm6 + ..	Yes	Y		1	1.2	44	1.5	2	.067	175	1.2	176	.067										
99	1.2D + 1.5Lm6 + ..	Yes	Y		1	1.2	44	1.5	3	.067	175	1.2	177	.067										
100	1.2D + 1.5Lm6 + ..	Yes	Y		1	1.2	44	1.5	4	.067	175	1.2	178	.067										
101	1.2D + 1.5Lm6 + ..	Yes	Y		1	1.2	44	1.5	5	.067	175	1.2	179	.067										
102	1.2D + 1.5Lm6 + ..	Yes	Y		1	1.2	44	1.5	6	.067	175	1.2	180	.067										
103	1.2D + 1.5Lm6 + ..	Yes	Y		1	1.2	44	1.5	7	.067	175	1.2	181	.067										
104	1.2D + 1.5Lm6 + ..	Yes	Y		1	1.2	44	1.5	8	.067	175	1.2	182	.067										
105	1.2D + 1.5Lm6 + ..	Yes	Y		1	1.2	44	1.5	9	.067	175	1.2	183	.067										
106	1.2D + 1.5Lm6 + ..	Yes	Y		1	1.2	44	1.5	10	.067	175	1.2	184	.067										
107	1.2D + 1.5Lm6 + ..	Yes	Y		1	1.2	44	1.5	11	.067	175	1.2	185	.067										
108	1.2D + 1.5Lm6 + ..	Yes	Y		1	1.2	44	1.5	12	.067	175	1.2	186	.067										
109	1.2D + 1.5Lm6 + ..	Yes	Y		1	1.2	44	1.5	13	.067	175	1.2	187	.067										
110	1.2D + 1.5Lm7 + ..	Yes	Y		1	1.2	45	1.5	2	.067	175	1.2	176	.067										
111	1.2D + 1.5Lm7 + ..	Yes	Y		1	1.2	45	1.5	3	.067	175	1.2	177	.067										
112	1.2D + 1.5Lm7 + ..	Yes	Y		1	1.2	45	1.5	4	.067	175	1.2	178	.067										
113	1.2D + 1.5Lm7 + ..	Yes	Y		1	1.2	45	1.5	5	.067	175	1.2	179	.067										
114	1.2D + 1.5Lm7 + ..	Yes	Y		1	1.2	45	1.5	6	.067	175	1.2	180	.067										
115	1.2D + 1.5Lm7 + ..	Yes	Y		1	1.2	45	1.5	7	.067	175	1.2	181	.067										
116	1.2D + 1.5Lm7 + ..	Yes	Y		1	1.2	45	1.5	8	.067	175	1.2	182	.067										
117	1.2D + 1.5Lm7 + ..	Yes	Y		1	1.2	45	1.5	9	.067	175	1.2	183	.067										
118	1.2D + 1.5Lm7 + ..	Yes	Y		1	1.2	45	1.5	10	.067	175	1.2	184	.067										
119	1.2D + 1.5Lm7 + ..	Yes	Y		1	1.2	45	1.5	11	.067	175	1.2	185	.067										
120	1.2D + 1.5Lm7 + ..	Yes	Y		1	1.2	45	1.5	12	.067	175	1.2	186	.067										
121	1.2D + 1.5Lm7 + ..	Yes	Y		1	1.2	45	1.5	13	.067	175	1.2	187	.067										
122	1.2D + 1.5Lm8 + ..	Yes	Y		1	1.2	46	1.5	2	.067	175	1.2	176	.067										
123	1.2D + 1.5Lm8 + ..	Yes	Y		1	1.2	46	1.5	3	.067	175	1.2	177	.067										
124	1.2D + 1.5Lm8 + ..	Yes	Y		1	1.2	46	1.5	4	.067	175	1.2	178	.067										
125	1.2D + 1.5Lm8 + ..	Yes	Y		1	1.2	46	1.5	5	.067	175	1.2	179	.067										
126	1.2D + 1.5Lm8 + ..	Yes	Y		1	1.2	46	1.5	6	.067	175	1.2	180	.067										
127	1.2D + 1.5Lm8 + ..	Yes	Y		1	1.2	46	1.5	7	.067	175	1.2	181	.067										
128	1.2D + 1.5Lm8 + ..	Yes	Y		1	1.2	46	1.5	8	.067	175	1.2	182	.067										
129	1.2D + 1.5Lm8 + ..	Yes	Y		1	1.2	46	1.5	9	.067	175	1.2	183	.067										
130	1.2D + 1.5Lm8 + ..	Yes	Y		1	1.2	46	1.5	10	.067	175	1.2	184	.067										
131	1.2D + 1.5Lm8 + ..	Yes	Y		1	1.2	46	1.5	11	.067	175	1.2	185	.067										
132	1.2D + 1.5Lm8 + ..	Yes	Y		1	1.2	46	1.5	12	.067	175	1.2	186	.067										
133	1.2D + 1.5Lm8 + ..	Yes	Y		1	1.2	46	1.5	13	.067	175	1.2	187	.067										

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...
134	1.2D + 1.5Lm9 + ..	Yes	Y		1	1.2	47	1.5	2	.067	175	1.2	176	.067										
135	1.2D + 1.5Lm9 + ..	Yes	Y		1	1.2	47	1.5	3	.067	175	1.2	177	.067										
136	1.2D + 1.5Lm9 + ..	Yes	Y		1	1.2	47	1.5	4	.067	175	1.2	178	.067										
137	1.2D + 1.5Lm9 + ..	Yes	Y		1	1.2	47	1.5	5	.067	175	1.2	179	.067										
138	1.2D + 1.5Lm9 + ..	Yes	Y		1	1.2	47	1.5	6	.067	175	1.2	180	.067										
139	1.2D + 1.5Lm9 + ..	Yes	Y		1	1.2	47	1.5	7	.067	175	1.2	181	.067										
140	1.2D + 1.5Lm9 + ..	Yes	Y		1	1.2	47	1.5	8	.067	175	1.2	182	.067										
141	1.2D + 1.5Lm9 + ..	Yes	Y		1	1.2	47	1.5	9	.067	175	1.2	183	.067										
142	1.2D + 1.5Lm9 + ..	Yes	Y		1	1.2	47	1.5	10	.067	175	1.2	184	.067										
143	1.2D + 1.5Lm9 + ..	Yes	Y		1	1.2	47	1.5	11	.067	175	1.2	185	.067										
144	1.2D + 1.5Lm9 + ..	Yes	Y		1	1.2	47	1.5	12	.067	175	1.2	186	.067										
145	1.2D + 1.5Lm9 + ..	Yes	Y		1	1.2	47	1.5	13	.067	175	1.2	187	.067										
146	1.2D + 1.5Lm10 ...	Yes	Y		1	1.2	48	1.5	2	.067	175	1.2	176	.067										
147	1.2D + 1.5Lm10 ...	Yes	Y		1	1.2	48	1.5	3	.067	175	1.2	177	.067										
148	1.2D + 1.5Lm10 ...	Yes	Y		1	1.2	48	1.5	4	.067	175	1.2	178	.067										
149	1.2D + 1.5Lm10 ...	Yes	Y		1	1.2	48	1.5	5	.067	175	1.2	179	.067										
150	1.2D + 1.5Lm10 ...	Yes	Y		1	1.2	48	1.5	6	.067	175	1.2	180	.067										
151	1.2D + 1.5Lm10 ...	Yes	Y		1	1.2	48	1.5	7	.067	175	1.2	181	.067										
152	1.2D + 1.5Lm10 ...	Yes	Y		1	1.2	48	1.5	8	.067	175	1.2	182	.067										
153	1.2D + 1.5Lm10 ...	Yes	Y		1	1.2	48	1.5	9	.067	175	1.2	183	.067										
154	1.2D + 1.5Lm10 ...	Yes	Y		1	1.2	48	1.5	10	.067	175	1.2	184	.067										
155	1.2D + 1.5Lm10 ...	Yes	Y		1	1.2	48	1.5	11	.067	175	1.2	185	.067										
156	1.2D + 1.5Lm10 ...	Yes	Y		1	1.2	48	1.5	12	.067	175	1.2	186	.067										
157	1.2D + 1.5Lm10 ...	Yes	Y		1	1.2	48	1.5	13	.067	175	1.2	187	.067										
158	1.2D + 1.5Lm11 ...	Yes	Y		1	1.2	49	1.5	2	.067	175	1.2	176	.067										
159	1.2D + 1.5Lm11 ...	Yes	Y		1	1.2	49	1.5	3	.067	175	1.2	177	.067										
160	1.2D + 1.5Lm11 ...	Yes	Y		1	1.2	49	1.5	4	.067	175	1.2	178	.067										
161	1.2D + 1.5Lm11 ...	Yes	Y		1	1.2	49	1.5	5	.067	175	1.2	179	.067										
162	1.2D + 1.5Lm11 ...	Yes	Y		1	1.2	49	1.5	6	.067	175	1.2	180	.067										
163	1.2D + 1.5Lm11 ...	Yes	Y		1	1.2	49	1.5	7	.067	175	1.2	181	.067										
164	1.2D + 1.5Lm11 ...	Yes	Y		1	1.2	49	1.5	8	.067	175	1.2	182	.067										
165	1.2D + 1.5Lm11 ...	Yes	Y		1	1.2	49	1.5	9	.067	175	1.2	183	.067										
166	1.2D + 1.5Lm11 ...	Yes	Y		1	1.2	49	1.5	10	.067	175	1.2	184	.067										
167	1.2D + 1.5Lm11 ...	Yes	Y		1	1.2	49	1.5	11	.067	175	1.2	185	.067										
168	1.2D + 1.5Lm11 ...	Yes	Y		1	1.2	49	1.5	12	.067	175	1.2	186	.067										
169	1.2D + 1.5Lm11 ...	Yes	Y		1	1.2	49	1.5	13	.067	175	1.2	187	.067										
170	1.2D + 1.5Lm12 ...	Yes	Y		1	1.2	50	1.5	2	.067	175	1.2	176	.067										
171	1.2D + 1.5Lm12 ...	Yes	Y		1	1.2	50	1.5	3	.067	175	1.2	177	.067										
172	1.2D + 1.5Lm12 ...	Yes	Y		1	1.2	50	1.5	4	.067	175	1.2	178	.067										
173	1.2D + 1.5Lm12 ...	Yes	Y		1	1.2	50	1.5	5	.067	175	1.2	179	.067										
174	1.2D + 1.5Lm12 ...	Yes	Y		1	1.2	50	1.5	6	.067	175	1.2	180	.067										
175	1.2D + 1.5Lm12 ...	Yes	Y		1	1.2	50	1.5	7	.067	175	1.2	181	.067										
176	1.2D + 1.5Lm12 ...	Yes	Y		1	1.2	50	1.5	8	.067	175	1.2	182	.067										
177	1.2D + 1.5Lm12 ...	Yes	Y		1	1.2	50	1.5	9	.067	175	1.2	183	.067										
178	1.2D + 1.5Lm12 ...	Yes	Y		1	1.2	50	1.5	10	.067	175	1.2	184	.067										
179	1.2D + 1.5Lm12 ...	Yes	Y		1	1.2	50	1.5	11	.067	175	1.2	185	.067										
180	1.2D + 1.5Lm12 ...	Yes	Y		1	1.2	50	1.5	12	.067	175	1.2	186	.067										
181	1.2D + 1.5Lm12 ...	Yes	Y		1	1.2	50	1.5	13	.067	175	1.2	187	.067										
182	1.2D + 1.5Lm13 ...		Y		1	1.2	51	1.5	2	.067	175	1.2	176	.067										
183	1.2D + 1.5Lm13 ...		Y		1	1.2	51	1.5	3	.067	175	1.2	177	.067										
184	1.2D + 1.5Lm13 ...		Y		1	1.2	51	1.5	4	.067	175	1.2	178	.067										
185	1.2D + 1.5Lm13 ...		Y		1	1.2	51	1.5	5	.067	175	1.2	179	.067										
186	1.2D + 1.5Lm13 ...		Y		1	1.2	51	1.5	6	.067	175	1.2	180	.067										
187	1.2D + 1.5Lm13 ...		Y		1	1.2	51	1.5	7	.067	175	1.2	181	.067										
188	1.2D + 1.5Lm13 ...		Y		1	1.2	51	1.5	8	.067	175	1.2	182	.067										
189	1.2D + 1.5Lm13 ...		Y		1	1.2	51	1.5	9	.067	175	1.2	183	.067										
190	1.2D + 1.5Lm13 ...		Y		1	1.2	51	1.5	10	.067	175	1.2	184	.067										

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...
191	1.2D + 1.5Lm13 ...		Y		1	1.2	51	1.5	11	.067	175	1.2	185	.067										
192	1.2D + 1.5Lm13 ...		Y		1	1.2	51	1.5	12	.067	175	1.2	186	.067										
193	1.2D + 1.5Lm13 ...		Y		1	1.2	51	1.5	13	.067	175	1.2	187	.067										
194	1.2D + 1.5Lm14 ...		Y		1	1.2	52	1.5	2	.067	175	1.2	176	.067										
195	1.2D + 1.5Lm14 ...		Y		1	1.2	52	1.5	3	.067	175	1.2	177	.067										
196	1.2D + 1.5Lm14 ...		Y		1	1.2	52	1.5	4	.067	175	1.2	178	.067										
197	1.2D + 1.5Lm14 ...		Y		1	1.2	52	1.5	5	.067	175	1.2	179	.067										
198	1.2D + 1.5Lm14 ...		Y		1	1.2	52	1.5	6	.067	175	1.2	180	.067										
199	1.2D + 1.5Lm14 ...		Y		1	1.2	52	1.5	7	.067	175	1.2	181	.067										
200	1.2D + 1.5Lm14 ...		Y		1	1.2	52	1.5	8	.067	175	1.2	182	.067										
201	1.2D + 1.5Lm14 ...		Y		1	1.2	52	1.5	9	.067	175	1.2	183	.067										
202	1.2D + 1.5Lm14 ...		Y		1	1.2	52	1.5	10	.067	175	1.2	184	.067										
203	1.2D + 1.5Lm14 ...		Y		1	1.2	52	1.5	11	.067	175	1.2	185	.067										
204	1.2D + 1.5Lm14 ...		Y		1	1.2	52	1.5	12	.067	175	1.2	186	.067										
205	1.2D + 1.5Lm14 ...		Y		1	1.2	52	1.5	13	.067	175	1.2	187	.067										
206	1.2D + 1.5Lm15 ...		Y		1	1.2	53	1.5	2	.067	175	1.2	176	.067										
207	1.2D + 1.5Lm15 ...		Y		1	1.2	53	1.5	3	.067	175	1.2	177	.067										
208	1.2D + 1.5Lm15 ...		Y		1	1.2	53	1.5	4	.067	175	1.2	178	.067										
209	1.2D + 1.5Lm15 ...		Y		1	1.2	53	1.5	5	.067	175	1.2	179	.067										
210	1.2D + 1.5Lm15 ...		Y		1	1.2	53	1.5	6	.067	175	1.2	180	.067										
211	1.2D + 1.5Lm15 ...		Y		1	1.2	53	1.5	7	.067	175	1.2	181	.067										
212	1.2D + 1.5Lm15 ...		Y		1	1.2	53	1.5	8	.067	175	1.2	182	.067										
213	1.2D + 1.5Lm15 ...		Y		1	1.2	53	1.5	9	.067	175	1.2	183	.067										
214	1.2D + 1.5Lm15 ...		Y		1	1.2	53	1.5	10	.067	175	1.2	184	.067										
215	1.2D + 1.5Lm15 ...		Y		1	1.2	53	1.5	11	.067	175	1.2	185	.067										
216	1.2D + 1.5Lm15 ...		Y		1	1.2	53	1.5	12	.067	175	1.2	186	.067										
217	1.2D + 1.5Lm15 ...		Y		1	1.2	53	1.5	13	.067	175	1.2	187	.067										
218	1.2D + 1.5Lm16 ...		Y		1	1.2	54	1.5	2	.067	175	1.2	176	.067										
219	1.2D + 1.5Lm16 ...		Y		1	1.2	54	1.5	3	.067	175	1.2	177	.067										
220	1.2D + 1.5Lm16 ...		Y		1	1.2	54	1.5	4	.067	175	1.2	178	.067										
221	1.2D + 1.5Lm16 ...		Y		1	1.2	54	1.5	5	.067	175	1.2	179	.067										
222	1.2D + 1.5Lm16 ...		Y		1	1.2	54	1.5	6	.067	175	1.2	180	.067										
223	1.2D + 1.5Lm16 ...		Y		1	1.2	54	1.5	7	.067	175	1.2	181	.067										
224	1.2D + 1.5Lm16 ...		Y		1	1.2	54	1.5	8	.067	175	1.2	182	.067										
225	1.2D + 1.5Lm16 ...		Y		1	1.2	54	1.5	9	.067	175	1.2	183	.067										
226	1.2D + 1.5Lm16 ...		Y		1	1.2	54	1.5	10	.067	175	1.2	184	.067										
227	1.2D + 1.5Lm16 ...		Y		1	1.2	54	1.5	11	.067	175	1.2	185	.067										
228	1.2D + 1.5Lm16 ...		Y		1	1.2	54	1.5	12	.067	175	1.2	186	.067										
229	1.2D + 1.5Lm16 ...		Y		1	1.2	54	1.5	13	.067	175	1.2	187	.067										
230	1.2D + 1.5Lm17 ...		Y		1	1.2	55	1.5	2	.067	175	1.2	176	.067										
231	1.2D + 1.5Lm17 ...		Y		1	1.2	55	1.5	3	.067	175	1.2	177	.067										
232	1.2D + 1.5Lm17 ...		Y		1	1.2	55	1.5	4	.067	175	1.2	178	.067										
233	1.2D + 1.5Lm17 ...		Y		1	1.2	55	1.5	5	.067	175	1.2	179	.067										
234	1.2D + 1.5Lm17 ...		Y		1	1.2	55	1.5	6	.067	175	1.2	180	.067										
235	1.2D + 1.5Lm17 ...		Y		1	1.2	55	1.5	7	.067	175	1.2	181	.067										
236	1.2D + 1.5Lm17 ...		Y		1	1.2	55	1.5	8	.067	175	1.2	182	.067										
237	1.2D + 1.5Lm17 ...		Y		1	1.2	55	1.5	9	.067	175	1.2	183	.067										
238	1.2D + 1.5Lm17 ...		Y		1	1.2	55	1.5	10	.067	175	1.2	184	.067										
239	1.2D + 1.5Lm17 ...		Y		1	1.2	55	1.5	11	.067	175	1.2	185	.067										
240	1.2D + 1.5Lm17 ...		Y		1	1.2	55	1.5	12	.067	175	1.2	186	.067										
241	1.2D + 1.5Lm17 ...		Y		1	1.2	55	1.5	13	.067	175	1.2	187	.067										
242	1.2D + 1.5Lm18 ...		Y		1	1.2	56	1.5	2	.067	175	1.2	176	.067										
243	1.2D + 1.5Lm18 ...		Y		1	1.2	56	1.5	3	.067	175	1.2	177	.067										
244	1.2D + 1.5Lm18 ...		Y		1	1.2	56	1.5	4	.067	175	1.2	178	.067										
245	1.2D + 1.5Lm18 ...		Y		1	1.2	56	1.5	5	.067	175	1.2	179	.067										
246	1.2D + 1.5Lm18 ...		Y		1	1.2	56	1.5	6	.067	175	1.2	180	.067										
247	1.2D + 1.5Lm18 ...		Y		1	1.2	56	1.5	7	.067	175	1.2	181	.067										

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...
248	1.2D + 1.5Lm18 ...		Y		1	1.2	56	1.5	8	.067	175	1.2	182	.067										
249	1.2D + 1.5Lm18 ...		Y		1	1.2	56	1.5	9	.067	175	1.2	183	.067										
250	1.2D + 1.5Lm18 ...		Y		1	1.2	56	1.5	10	.067	175	1.2	184	.067										
251	1.2D + 1.5Lm18 ...		Y		1	1.2	56	1.5	11	.067	175	1.2	185	.067										
252	1.2D + 1.5Lm18 ...		Y		1	1.2	56	1.5	12	.067	175	1.2	186	.067										
253	1.2D + 1.5Lm18 ...		Y		1	1.2	56	1.5	13	.067	175	1.2	187	.067										
254	1.2D + 1.5Lm19 ...		Y		1	1.2	57	1.5	2	.067	175	1.2	176	.067										
255	1.2D + 1.5Lm19 ...		Y		1	1.2	57	1.5	3	.067	175	1.2	177	.067										
256	1.2D + 1.5Lm19 ...		Y		1	1.2	57	1.5	4	.067	175	1.2	178	.067										
257	1.2D + 1.5Lm19 ...		Y		1	1.2	57	1.5	5	.067	175	1.2	179	.067										
258	1.2D + 1.5Lm19 ...		Y		1	1.2	57	1.5	6	.067	175	1.2	180	.067										
259	1.2D + 1.5Lm19 ...		Y		1	1.2	57	1.5	7	.067	175	1.2	181	.067										
260	1.2D + 1.5Lm19 ...		Y		1	1.2	57	1.5	8	.067	175	1.2	182	.067										
261	1.2D + 1.5Lm19 ...		Y		1	1.2	57	1.5	9	.067	175	1.2	183	.067										
262	1.2D + 1.5Lm19 ...		Y		1	1.2	57	1.5	10	.067	175	1.2	184	.067										
263	1.2D + 1.5Lm19 ...		Y		1	1.2	57	1.5	11	.067	175	1.2	185	.067										
264	1.2D + 1.5Lm19 ...		Y		1	1.2	57	1.5	12	.067	175	1.2	186	.067										
265	1.2D + 1.5Lm19 ...		Y		1	1.2	57	1.5	13	.067	175	1.2	187	.067										
266	1.2D + 1.5Lm20 ...		Y		1	1.2	58	1.5	2	.067	175	1.2	176	.067										
267	1.2D + 1.5Lm20 ...		Y		1	1.2	58	1.5	3	.067	175	1.2	177	.067										
268	1.2D + 1.5Lm20 ...		Y		1	1.2	58	1.5	4	.067	175	1.2	178	.067										
269	1.2D + 1.5Lm20 ...		Y		1	1.2	58	1.5	5	.067	175	1.2	179	.067										
270	1.2D + 1.5Lm20 ...		Y		1	1.2	58	1.5	6	.067	175	1.2	180	.067										
271	1.2D + 1.5Lm20 ...		Y		1	1.2	58	1.5	7	.067	175	1.2	181	.067										
272	1.2D + 1.5Lm20 ...		Y		1	1.2	58	1.5	8	.067	175	1.2	182	.067										
273	1.2D + 1.5Lm20 ...		Y		1	1.2	58	1.5	9	.067	175	1.2	183	.067										
274	1.2D + 1.5Lm20 ...		Y		1	1.2	58	1.5	10	.067	175	1.2	184	.067										
275	1.2D + 1.5Lm20 ...		Y		1	1.2	58	1.5	11	.067	175	1.2	185	.067										
276	1.2D + 1.5Lm20 ...		Y		1	1.2	58	1.5	12	.067	175	1.2	186	.067										
277	1.2D + 1.5Lm20 ...		Y		1	1.2	58	1.5	13	.067	175	1.2	187	.067										
278	1.2D + 1.5Lm21 ...		Y		1	1.2	59	1.5	2	.067	175	1.2	176	.067										
279	1.2D + 1.5Lm21 ...		Y		1	1.2	59	1.5	3	.067	175	1.2	177	.067										
280	1.2D + 1.5Lm21 ...		Y		1	1.2	59	1.5	4	.067	175	1.2	178	.067										
281	1.2D + 1.5Lm21 ...		Y		1	1.2	59	1.5	5	.067	175	1.2	179	.067										
282	1.2D + 1.5Lm21 ...		Y		1	1.2	59	1.5	6	.067	175	1.2	180	.067										
283	1.2D + 1.5Lm21 ...		Y		1	1.2	59	1.5	7	.067	175	1.2	181	.067										
284	1.2D + 1.5Lm21 ...		Y		1	1.2	59	1.5	8	.067	175	1.2	182	.067										
285	1.2D + 1.5Lm21 ...		Y		1	1.2	59	1.5	9	.067	175	1.2	183	.067										
286	1.2D + 1.5Lm21 ...		Y		1	1.2	59	1.5	10	.067	175	1.2	184	.067										
287	1.2D + 1.5Lm21 ...		Y		1	1.2	59	1.5	11	.067	175	1.2	185	.067										
288	1.2D + 1.5Lm21 ...		Y		1	1.2	59	1.5	12	.067	175	1.2	186	.067										
289	1.2D + 1.5Lm21 ...		Y		1	1.2	59	1.5	13	.067	175	1.2	187	.067										
290	1.2D + 1.5Lm22 ...		Y		1	1.2	60	1.5	2	.067	175	1.2	176	.067										
291	1.2D + 1.5Lm22 ...		Y		1	1.2	60	1.5	3	.067	175	1.2	177	.067										
292	1.2D + 1.5Lm22 ...		Y		1	1.2	60	1.5	4	.067	175	1.2	178	.067										
293	1.2D + 1.5Lm22 ...		Y		1	1.2	60	1.5	5	.067	175	1.2	179	.067										
294	1.2D + 1.5Lm22 ...		Y		1	1.2	60	1.5	6	.067	175	1.2	180	.067										
295	1.2D + 1.5Lm22 ...		Y		1	1.2	60	1.5	7	.067	175	1.2	181	.067										
296	1.2D + 1.5Lm22 ...		Y		1	1.2	60	1.5	8	.067	175	1.2	182	.067										
297	1.2D + 1.5Lm22 ...		Y		1	1.2	60	1.5	9	.067	175	1.2	183	.067										
298	1.2D + 1.5Lm22 ...		Y		1	1.2	60	1.5	10	.067	175	1.2	184	.067										
299	1.2D + 1.5Lm22 ...		Y		1	1.2	60	1.5	11	.067	175	1.2	185	.067										
300	1.2D + 1.5Lm22 ...		Y		1	1.2	60	1.5	12	.067	175	1.2	186	.067										
301	1.2D + 1.5Lm22 ...		Y		1	1.2	60	1.5	13	.067	175	1.2	187	.067										
302	1.2D + 1.5Lm23 ...		Y		1	1.2	61	1.5	2	.067	175	1.2	176	.067										
303	1.2D + 1.5Lm23 ...		Y		1	1.2	61	1.5	3	.067	175	1.2	177	.067										
304	1.2D + 1.5Lm23 ...		Y		1	1.2	61	1.5	4	.067	175	1.2	178	.067										

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...
305	1.2D + 1.5Lm23 ...		Y		1	1.2	61	1.5	5	.067	175	1.2	179	.067										
306	1.2D + 1.5Lm23 ...		Y		1	1.2	61	1.5	6	.067	175	1.2	180	.067										
307	1.2D + 1.5Lm23 ...		Y		1	1.2	61	1.5	7	.067	175	1.2	181	.067										
308	1.2D + 1.5Lm23 ...		Y		1	1.2	61	1.5	8	.067	175	1.2	182	.067										
309	1.2D + 1.5Lm23 ...		Y		1	1.2	61	1.5	9	.067	175	1.2	183	.067										
310	1.2D + 1.5Lm23 ...		Y		1	1.2	61	1.5	10	.067	175	1.2	184	.067										
311	1.2D + 1.5Lm23 ...		Y		1	1.2	61	1.5	11	.067	175	1.2	185	.067										
312	1.2D + 1.5Lm23 ...		Y		1	1.2	61	1.5	12	.067	175	1.2	186	.067										
313	1.2D + 1.5Lm23 ...		Y		1	1.2	61	1.5	13	.067	175	1.2	187	.067										
314	1.2D + 1.5Lm24 ...		Y		1	1.2	62	1.5	2	.067	175	1.2	176	.067										
315	1.2D + 1.5Lm24 ...		Y		1	1.2	62	1.5	3	.067	175	1.2	177	.067										
316	1.2D + 1.5Lm24 ...		Y		1	1.2	62	1.5	4	.067	175	1.2	178	.067										
317	1.2D + 1.5Lm24 ...		Y		1	1.2	62	1.5	5	.067	175	1.2	179	.067										
318	1.2D + 1.5Lm24 ...		Y		1	1.2	62	1.5	6	.067	175	1.2	180	.067										
319	1.2D + 1.5Lm24 ...		Y		1	1.2	62	1.5	7	.067	175	1.2	181	.067										
320	1.2D + 1.5Lm24 ...		Y		1	1.2	62	1.5	8	.067	175	1.2	182	.067										
321	1.2D + 1.5Lm24 ...		Y		1	1.2	62	1.5	9	.067	175	1.2	183	.067										
322	1.2D + 1.5Lm24 ...		Y		1	1.2	62	1.5	10	.067	175	1.2	184	.067										
323	1.2D + 1.5Lm24 ...		Y		1	1.2	62	1.5	11	.067	175	1.2	185	.067										
324	1.2D + 1.5Lm24 ...		Y		1	1.2	62	1.5	12	.067	175	1.2	186	.067										
325	1.2D + 1.5Lm24 ...		Y		1	1.2	62	1.5	13	.067	175	1.2	187	.067										
326	1.2D + 1.5Lm25 ...		Y		1	1.2	63	1.5	2	.067	175	1.2	176	.067										
327	1.2D + 1.5Lm25 ...		Y		1	1.2	63	1.5	3	.067	175	1.2	177	.067										
328	1.2D + 1.5Lm25 ...		Y		1	1.2	63	1.5	4	.067	175	1.2	178	.067										
329	1.2D + 1.5Lm25 ...		Y		1	1.2	63	1.5	5	.067	175	1.2	179	.067										
330	1.2D + 1.5Lm25 ...		Y		1	1.2	63	1.5	6	.067	175	1.2	180	.067										
331	1.2D + 1.5Lm25 ...		Y		1	1.2	63	1.5	7	.067	175	1.2	181	.067										
332	1.2D + 1.5Lm25 ...		Y		1	1.2	63	1.5	8	.067	175	1.2	182	.067										
333	1.2D + 1.5Lm25 ...		Y		1	1.2	63	1.5	9	.067	175	1.2	183	.067										
334	1.2D + 1.5Lm25 ...		Y		1	1.2	63	1.5	10	.067	175	1.2	184	.067										
335	1.2D + 1.5Lm25 ...		Y		1	1.2	63	1.5	11	.067	175	1.2	185	.067										
336	1.2D + 1.5Lm25 ...		Y		1	1.2	63	1.5	12	.067	175	1.2	186	.067										
337	1.2D + 1.5Lm25 ...		Y		1	1.2	63	1.5	13	.067	175	1.2	187	.067										
338	1.2D + 1.5Lm26 ...		Y		1	1.2	64	1.5	2	.067	175	1.2	176	.067										
339	1.2D + 1.5Lm26 ...		Y		1	1.2	64	1.5	3	.067	175	1.2	177	.067										
340	1.2D + 1.5Lm26 ...		Y		1	1.2	64	1.5	4	.067	175	1.2	178	.067										
341	1.2D + 1.5Lm26 ...		Y		1	1.2	64	1.5	5	.067	175	1.2	179	.067										
342	1.2D + 1.5Lm26 ...		Y		1	1.2	64	1.5	6	.067	175	1.2	180	.067										
343	1.2D + 1.5Lm26 ...		Y		1	1.2	64	1.5	7	.067	175	1.2	181	.067										
344	1.2D + 1.5Lm26 ...		Y		1	1.2	64	1.5	8	.067	175	1.2	182	.067										
345	1.2D + 1.5Lm26 ...		Y		1	1.2	64	1.5	9	.067	175	1.2	183	.067										
346	1.2D + 1.5Lm26 ...		Y		1	1.2	64	1.5	10	.067	175	1.2	184	.067										
347	1.2D + 1.5Lm26 ...		Y		1	1.2	64	1.5	11	.067	175	1.2	185	.067										
348	1.2D + 1.5Lm26 ...		Y		1	1.2	64	1.5	12	.067	175	1.2	186	.067										
349	1.2D + 1.5Lm26 ...		Y		1	1.2	64	1.5	13	.067	175	1.2	187	.067										
350	1.2D + 1.5Lm27 ...		Y		1	1.2	65	1.5	2	.067	175	1.2	176	.067										
351	1.2D + 1.5Lm27 ...		Y		1	1.2	65	1.5	3	.067	175	1.2	177	.067										
352	1.2D + 1.5Lm27 ...		Y		1	1.2	65	1.5	4	.067	175	1.2	178	.067										
353	1.2D + 1.5Lm27 ...		Y		1	1.2	65	1.5	5	.067	175	1.2	179	.067										
354	1.2D + 1.5Lm27 ...		Y		1	1.2	65	1.5	6	.067	175	1.2	180	.067										
355	1.2D + 1.5Lm27 ...		Y		1	1.2	65	1.5	7	.067	175	1.2	181	.067										
356	1.2D + 1.5Lm27 ...		Y		1	1.2	65	1.5	8	.067	175	1.2	182	.067										
357	1.2D + 1.5Lm27 ...		Y		1	1.2	65	1.5	9	.067	175	1.2	183	.067										
358	1.2D + 1.5Lm27 ...		Y		1	1.2	65	1.5	10	.067	175	1.2	184	.067										
359	1.2D + 1.5Lm27 ...		Y		1	1.2	65	1.5	11	.067	175	1.2	185	.067										
360	1.2D + 1.5Lm27 ...		Y		1	1.2	65	1.5	12	.067	175	1.2	186	.067										
361	1.2D + 1.5Lm27 ...		Y		1	1.2	65	1.5	13	.067	175	1.2	187	.067										

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...
362	1.2D + 1.5Lm28 ...		Y		1	1.2	66	1.5	2	.067	175	1.2	176	.067										
363	1.2D + 1.5Lm28 ...		Y		1	1.2	66	1.5	3	.067	175	1.2	177	.067										
364	1.2D + 1.5Lm28 ...		Y		1	1.2	66	1.5	4	.067	175	1.2	178	.067										
365	1.2D + 1.5Lm28 ...		Y		1	1.2	66	1.5	5	.067	175	1.2	179	.067										
366	1.2D + 1.5Lm28 ...		Y		1	1.2	66	1.5	6	.067	175	1.2	180	.067										
367	1.2D + 1.5Lm28 ...		Y		1	1.2	66	1.5	7	.067	175	1.2	181	.067										
368	1.2D + 1.5Lm28 ...		Y		1	1.2	66	1.5	8	.067	175	1.2	182	.067										
369	1.2D + 1.5Lm28 ...		Y		1	1.2	66	1.5	9	.067	175	1.2	183	.067										
370	1.2D + 1.5Lm28 ...		Y		1	1.2	66	1.5	10	.067	175	1.2	184	.067										
371	1.2D + 1.5Lm28 ...		Y		1	1.2	66	1.5	11	.067	175	1.2	185	.067										
372	1.2D + 1.5Lm28 ...		Y		1	1.2	66	1.5	12	.067	175	1.2	186	.067										
373	1.2D + 1.5Lm28 ...		Y		1	1.2	66	1.5	13	.067	175	1.2	187	.067										
374	1.2D + 1.5Lm29 ...		Y		1	1.2	67	1.5	2	.067	175	1.2	176	.067										
375	1.2D + 1.5Lm29 ...		Y		1	1.2	67	1.5	3	.067	175	1.2	177	.067										
376	1.2D + 1.5Lm29 ...		Y		1	1.2	67	1.5	4	.067	175	1.2	178	.067										
377	1.2D + 1.5Lm29 ...		Y		1	1.2	67	1.5	5	.067	175	1.2	179	.067										
378	1.2D + 1.5Lm29 ...		Y		1	1.2	67	1.5	6	.067	175	1.2	180	.067										
379	1.2D + 1.5Lm29 ...		Y		1	1.2	67	1.5	7	.067	175	1.2	181	.067										
380	1.2D + 1.5Lm29 ...		Y		1	1.2	67	1.5	8	.067	175	1.2	182	.067										
381	1.2D + 1.5Lm29 ...		Y		1	1.2	67	1.5	9	.067	175	1.2	183	.067										
382	1.2D + 1.5Lm29 ...		Y		1	1.2	67	1.5	10	.067	175	1.2	184	.067										
383	1.2D + 1.5Lm29 ...		Y		1	1.2	67	1.5	11	.067	175	1.2	185	.067										
384	1.2D + 1.5Lm29 ...		Y		1	1.2	67	1.5	12	.067	175	1.2	186	.067										
385	1.2D + 1.5Lm29 ...		Y		1	1.2	67	1.5	13	.067	175	1.2	187	.067										
386	1.2D + 1.5Lm30 ...		Y		1	1.2	68	1.5	2	.067	175	1.2	176	.067										
387	1.2D + 1.5Lm30 ...		Y		1	1.2	68	1.5	3	.067	175	1.2	177	.067										
388	1.2D + 1.5Lm30 ...		Y		1	1.2	68	1.5	4	.067	175	1.2	178	.067										
389	1.2D + 1.5Lm30 ...		Y		1	1.2	68	1.5	5	.067	175	1.2	179	.067										
390	1.2D + 1.5Lm30 ...		Y		1	1.2	68	1.5	6	.067	175	1.2	180	.067										
391	1.2D + 1.5Lm30 ...		Y		1	1.2	68	1.5	7	.067	175	1.2	181	.067										
392	1.2D + 1.5Lm30 ...		Y		1	1.2	68	1.5	8	.067	175	1.2	182	.067										
393	1.2D + 1.5Lm30 ...		Y		1	1.2	68	1.5	9	.067	175	1.2	183	.067										
394	1.2D + 1.5Lm30 ...		Y		1	1.2	68	1.5	10	.067	175	1.2	184	.067										
395	1.2D + 1.5Lm30 ...		Y		1	1.2	68	1.5	11	.067	175	1.2	185	.067										
396	1.2D + 1.5Lm30 ...		Y		1	1.2	68	1.5	12	.067	175	1.2	186	.067										
397	1.2D + 1.5Lm30 ...		Y		1	1.2	68	1.5	13	.067	175	1.2	187	.067										
398	1.2D + 1.5Lm31 ...		Y		1	1.2	69	1.5	2	.067	175	1.2	176	.067										
399	1.2D + 1.5Lm31 ...		Y		1	1.2	69	1.5	3	.067	175	1.2	177	.067										
400	1.2D + 1.5Lm31 ...		Y		1	1.2	69	1.5	4	.067	175	1.2	178	.067										
401	1.2D + 1.5Lm31 ...		Y		1	1.2	69	1.5	5	.067	175	1.2	179	.067										
402	1.2D + 1.5Lm31 ...		Y		1	1.2	69	1.5	6	.067	175	1.2	180	.067										
403	1.2D + 1.5Lm31 ...		Y		1	1.2	69	1.5	7	.067	175	1.2	181	.067										
404	1.2D + 1.5Lm31 ...		Y		1	1.2	69	1.5	8	.067	175	1.2	182	.067										
405	1.2D + 1.5Lm31 ...		Y		1	1.2	69	1.5	9	.067	175	1.2	183	.067										
406	1.2D + 1.5Lm31 ...		Y		1	1.2	69	1.5	10	.067	175	1.2	184	.067										
407	1.2D + 1.5Lm31 ...		Y		1	1.2	69	1.5	11	.067	175	1.2	185	.067										
408	1.2D + 1.5Lm31 ...		Y		1	1.2	69	1.5	12	.067	175	1.2	186	.067										
409	1.2D + 1.5Lm31 ...		Y		1	1.2	69	1.5	13	.067	175	1.2	187	.067										
410	1.2D + 1.5Lm32 ...		Y		1	1.2	70	1.5	2	.067	175	1.2	176	.067										
411	1.2D + 1.5Lm32 ...		Y		1	1.2	70	1.5	3	.067	175	1.2	177	.067										
412	1.2D + 1.5Lm32 ...		Y		1	1.2	70	1.5	4	.067	175	1.2	178	.067										
413	1.2D + 1.5Lm32 ...		Y		1	1.2	70	1.5	5	.067	175	1.2	179	.067										
414	1.2D + 1.5Lm32 ...		Y		1	1.2	70	1.5	6	.067	175	1.2	180	.067										
415	1.2D + 1.5Lm32 ...		Y		1	1.2	70	1.5	7	.067	175	1.2	181	.067										
416	1.2D + 1.5Lm32 ...		Y		1	1.2	70	1.5	8	.067	175	1.2	182	.067										
417	1.2D + 1.5Lm32 ...		Y		1	1.2	70	1.5	9	.067	175	1.2	183	.067										
418	1.2D + 1.5Lm32 ...		Y		1	1.2	70	1.5	10	.067	175	1.2	184	.067										

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...
419	1.2D + 1.5Lm32 ...		Y		1	1.2	70	1.5	11	.067	175	1.2	185	.067										
420	1.2D + 1.5Lm32 ...		Y		1	1.2	70	1.5	12	.067	175	1.2	186	.067										
421	1.2D + 1.5Lm32 ...		Y		1	1.2	70	1.5	13	.067	175	1.2	187	.067										
422	1.2D + 1.5Lm33 ...		Y		1	1.2	71	1.5	2	.067	175	1.2	176	.067										
423	1.2D + 1.5Lm33 ...		Y		1	1.2	71	1.5	3	.067	175	1.2	177	.067										
424	1.2D + 1.5Lm33 ...		Y		1	1.2	71	1.5	4	.067	175	1.2	178	.067										
425	1.2D + 1.5Lm33 ...		Y		1	1.2	71	1.5	5	.067	175	1.2	179	.067										
426	1.2D + 1.5Lm33 ...		Y		1	1.2	71	1.5	6	.067	175	1.2	180	.067										
427	1.2D + 1.5Lm33 ...		Y		1	1.2	71	1.5	7	.067	175	1.2	181	.067										
428	1.2D + 1.5Lm33 ...		Y		1	1.2	71	1.5	8	.067	175	1.2	182	.067										
429	1.2D + 1.5Lm33 ...		Y		1	1.2	71	1.5	9	.067	175	1.2	183	.067										
430	1.2D + 1.5Lm33 ...		Y		1	1.2	71	1.5	10	.067	175	1.2	184	.067										
431	1.2D + 1.5Lm33 ...		Y		1	1.2	71	1.5	11	.067	175	1.2	185	.067										
432	1.2D + 1.5Lm33 ...		Y		1	1.2	71	1.5	12	.067	175	1.2	186	.067										
433	1.2D + 1.5Lm33 ...		Y		1	1.2	71	1.5	13	.067	175	1.2	187	.067										
434	1.2D + 1.5Lm34 ...		Y		1	1.2	72	1.5	2	.067	175	1.2	176	.067										
435	1.2D + 1.5Lm34 ...		Y		1	1.2	72	1.5	3	.067	175	1.2	177	.067										
436	1.2D + 1.5Lm34 ...		Y		1	1.2	72	1.5	4	.067	175	1.2	178	.067										
437	1.2D + 1.5Lm34 ...		Y		1	1.2	72	1.5	5	.067	175	1.2	179	.067										
438	1.2D + 1.5Lm34 ...		Y		1	1.2	72	1.5	6	.067	175	1.2	180	.067										
439	1.2D + 1.5Lm34 ...		Y		1	1.2	72	1.5	7	.067	175	1.2	181	.067										
440	1.2D + 1.5Lm34 ...		Y		1	1.2	72	1.5	8	.067	175	1.2	182	.067										
441	1.2D + 1.5Lm34 ...		Y		1	1.2	72	1.5	9	.067	175	1.2	183	.067										
442	1.2D + 1.5Lm34 ...		Y		1	1.2	72	1.5	10	.067	175	1.2	184	.067										
443	1.2D + 1.5Lm34 ...		Y		1	1.2	72	1.5	11	.067	175	1.2	185	.067										
444	1.2D + 1.5Lm34 ...		Y		1	1.2	72	1.5	12	.067	175	1.2	186	.067										
445	1.2D + 1.5Lm34 ...		Y		1	1.2	72	1.5	13	.067	175	1.2	187	.067										
446	1.2D + 1.5Lm35 ...		Y		1	1.2	73	1.5	2	.067	175	1.2	176	.067										
447	1.2D + 1.5Lm35 ...		Y		1	1.2	73	1.5	3	.067	175	1.2	177	.067										
448	1.2D + 1.5Lm35 ...		Y		1	1.2	73	1.5	4	.067	175	1.2	178	.067										
449	1.2D + 1.5Lm35 ...		Y		1	1.2	73	1.5	5	.067	175	1.2	179	.067										
450	1.2D + 1.5Lm35 ...		Y		1	1.2	73	1.5	6	.067	175	1.2	180	.067										
451	1.2D + 1.5Lm35 ...		Y		1	1.2	73	1.5	7	.067	175	1.2	181	.067										
452	1.2D + 1.5Lm35 ...		Y		1	1.2	73	1.5	8	.067	175	1.2	182	.067										
453	1.2D + 1.5Lm35 ...		Y		1	1.2	73	1.5	9	.067	175	1.2	183	.067										
454	1.2D + 1.5Lm35 ...		Y		1	1.2	73	1.5	10	.067	175	1.2	184	.067										
455	1.2D + 1.5Lm35 ...		Y		1	1.2	73	1.5	11	.067	175	1.2	185	.067										
456	1.2D + 1.5Lm35 ...		Y		1	1.2	73	1.5	12	.067	175	1.2	186	.067										
457	1.2D + 1.5Lm35 ...		Y		1	1.2	73	1.5	13	.067	175	1.2	187	.067										
458	1.2D + 1.5Lm36 ...		Y		1	1.2	74	1.5	2	.067	175	1.2	176	.067										
459	1.2D + 1.5Lm36 ...		Y		1	1.2	74	1.5	3	.067	175	1.2	177	.067										
460	1.2D + 1.5Lm36 ...		Y		1	1.2	74	1.5	4	.067	175	1.2	178	.067										
461	1.2D + 1.5Lm36 ...		Y		1	1.2	74	1.5	5	.067	175	1.2	179	.067										
462	1.2D + 1.5Lm36 ...		Y		1	1.2	74	1.5	6	.067	175	1.2	180	.067										
463	1.2D + 1.5Lm36 ...		Y		1	1.2	74	1.5	7	.067	175	1.2	181	.067										
464	1.2D + 1.5Lm36 ...		Y		1	1.2	74	1.5	8	.067	175	1.2	182	.067										
465	1.2D + 1.5Lm36 ...		Y		1	1.2	74	1.5	9	.067	175	1.2	183	.067										
466	1.2D + 1.5Lm36 ...		Y		1	1.2	74	1.5	10	.067	175	1.2	184	.067										
467	1.2D + 1.5Lm36 ...		Y		1	1.2	74	1.5	11	.067	175	1.2	185	.067										
468	1.2D + 1.5Lm36 ...		Y		1	1.2	74	1.5	12	.067	175	1.2	186	.067										
469	1.2D + 1.5Lm36 ...		Y		1	1.2	74	1.5	13	.067	175	1.2	187	.067										
470	1.2D + 1.5Lv (Po...	Yes	Y		1	1.2	75	1.5	175	1.2														
471	1.2D + 1.5Lv (Po...	Yes	Y		1	1.2	76	1.5	175	1.2														
472	1.2D + 1.5Lv (Po...	Yes	Y		1	1.2	77	1.5	175	1.2														
473	1.2D + 1.5Lv (Po...	Yes	Y		1	1.2	78	1.5	175	1.2														
474	1.2D + 1.5Lv (Po...	Yes	Y		1	1.2	79	1.5	175	1.2														
475	1.2D + 1.5Lv (Po...	Yes	Y		1	1.2	80	1.5	175	1.2														

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...
476	1.2D + 1.5Lv (Po...	Yes	Y		1	1.2	81	1.5	175	1.2																
477	1.2D + 1.5Lv (Po...	Yes	Y		1	1.2	82	1.5	175	1.2																
478	1.2D + 1.5Lv (Po...	Yes	Y		1	1.2	83	1.5	175	1.2																
479	1.2D + 1.5Lv (Po...	Yes	Y		1	1.2	84	1.5	175	1.2																
480	1.2D + 1.5Lv (Po...	Yes	Y		1	1.2	85	1.5	175	1.2																
481	1.2D + 1.5Lv (Po...	Yes	Y		1	1.2	86	1.5	175	1.2																
482	1.2D + 1.5Lv (Po...	Yes	Y		1	1.2	87	1.5	175	1.2																
483	1.2D + 1.5Lv (Po...	Yes	Y		1	1.2	88	1.5	175	1.2																
484	1.2D + 1.5Lv (Po...	Yes	Y		1	1.2	89	1.5	175	1.2																
485	1.2D + 1.5Lv (Po...	Yes	Y		1	1.2	90	1.5	175	1.2																
486	1.2D + 1.5Lv (Po...	Yes	Y		1	1.2	91	1.5	175	1.2																
487	1.2D + 1.5Lv (Po...	Yes	Y		1	1.2	92	1.5	175	1.2																
488	1.2D + 1.5Lv (Po...	Yes	Y		1	1.2	93	1.5	175	1.2																
489	1.2D + 1.5Lv (Po...	Yes	Y		1	1.2	94	1.5	175	1.2																
490	1.2D + 1.5Lv (Po...	Yes	Y		1	1.2	95	1.5	175	1.2																
491	1.2D + 1.5Lv (Po...		Y		1	1.2	96	1.5	175	1.2																
492	1.2D + 1.5Lv (Po...		Y		1	1.2	97	1.5	175	1.2																
493	1.2D + 1.5Lv (Po...		Y		1	1.2	98	1.5	175	1.2																
494	1.2D + 1.5Lv (Po...		Y		1	1.2	99	1.5	175	1.2																
495	1.2D + 1.5Lv (Po...		Y		1	1.2	100	1.5	175	1.2																
496	1.2D + 1.5Lv (Po...		Y		1	1.2	101	1.5	175	1.2																
497	1.2D + 1.5Lv (Po...		Y		1	1.2	102	1.5	175	1.2																
498	1.2D + 1.5Lv (Po...		Y		1	1.2	103	1.5	175	1.2																
499	1.2D + 1.5Lv (Po...		Y		1	1.2	104	1.5	175	1.2																
500	1.2D + 1.5Lv (Po...		Y		1	1.2	105	1.5	175	1.2																
501	1.2D + 1.5Lv (Po...		Y		1	1.2	106	1.5	175	1.2																
502	1.2D + 1.5Lv (Po...		Y		1	1.2	107	1.5	175	1.2																
503	1.2D + 1.5Lv (Po...		Y		1	1.2	108	1.5	175	1.2																
504	1.2D + 1.5Lv (Po...		Y		1	1.2	109	1.5	175	1.2																
505	1.2D + 1.5Lv (Po...		Y		1	1.2	110	1.5	175	1.2																
506	1.2D + 1.5Lv (Po...		Y		1	1.2	111	1.5	175	1.2																
507	1.2D + 1.5Lv (Po...		Y		1	1.2	112	1.5	175	1.2																
508	1.2D + 1.5Lv (Po...		Y		1	1.2	113	1.5	175	1.2																
509	1.2D + 1.5Lv (Po...		Y		1	1.2	114	1.5	175	1.2																
510	1.2D + 1.5Lv (Po...		Y		1	1.2	115	1.5	175	1.2																
511	1.2D + 1.5Lv (Po...		Y		1	1.2	116	1.5	175	1.2																
512	1.2D + 1.5Lv (Po...		Y		1	1.2	117	1.5	175	1.2																
513	1.2D + 1.5Lv (Po...		Y		1	1.2	118	1.5	175	1.2																
514	1.2D + 1.5Lv (Po...		Y		1	1.2	119	1.5	175	1.2																
515	1.2D + 1.5Lv (Po...		Y		1	1.2	120	1.5	175	1.2																
516	1.2D + 1.5Lv (Po...		Y		1	1.2	121	1.5	175	1.2																
517	1.2D + 1.5Lv (Po...		Y		1	1.2	122	1.5	175	1.2																
518	1.2D + 1.5Lv (Po...		Y		1	1.2	123	1.5	175	1.2																
519	1.2D + 1.5Lv (Po...		Y		1	1.2	124	1.5	175	1.2																
520	1.2D + 1.5Lv (Po...		Y		1	1.2	125	1.5	175	1.2																
521	1.2D + 1.5Lv (Po...		Y		1	1.2	126	1.5	175	1.2																
522	1.2D + 1.5Lv (Po...		Y		1	1.2	127	1.5	175	1.2																
523	1.2D + 1.5Lv (Po...		Y		1	1.2	128	1.5	175	1.2																
524	1.2D + 1.5Lv (Po...		Y		1	1.2	129	1.5	175	1.2																
525	1.2D + 1.5Lv (Po...		Y		1	1.2	130	1.5	175	1.2																
526	1.2D + 1.5Lv (Po...		Y		1	1.2	131	1.5	175	1.2																
527	1.2D + 1.5Lv (Po...		Y		1	1.2	132	1.5	175	1.2																
528	1.2D + 1.5Lv (Po...		Y		1	1.2	133	1.5	175	1.2																
529	1.2D + 1.5Lv (Po...		Y		1	1.2	134	1.5	175	1.2																
530	1.2D + 1.5Lv (Po...		Y		1	1.2	135	1.5	175	1.2																
531	1.2D + 1.5Lv (Po...		Y		1	1.2	136	1.5	175	1.2																
532	1.2D + 1.5Lv (Po...		Y		1	1.2	137	1.5	175	1.2																

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...
533	1.2D + 1.5Lv (Po...		Y		1	1.2	138	1.5	175	1.2																
534	1.2D + 1.5Lv (Po...		Y		1	1.2	139	1.5	175	1.2																
535	1.2D + 1.5Lv (Po...		Y		1	1.2	140	1.5	175	1.2																
536	1.2D + 1.5Lv (Po...		Y		1	1.2	141	1.5	175	1.2																
537	1.2D + 1.5Lv (Po...		Y		1	1.2	142	1.5	175	1.2																
538	1.2D + 1.5Lv (Po...		Y		1	1.2	143	1.5	175	1.2																
539	1.2D + 1.5Lv (Po...		Y		1	1.2	144	1.5	175	1.2																
540	1.2D + 1.5Lv (Po...		Y		1	1.2	145	1.5	175	1.2																
541	1.2D + 1.5Lv (Po...		Y		1	1.2	146	1.5	175	1.2																
542	1.2D + 1.5Lv (Po...		Y		1	1.2	147	1.5	175	1.2																
543	1.2D + 1.5Lv (Po...		Y		1	1.2	148	1.5	175	1.2																
544	1.2D + 1.5Lv (Po...		Y		1	1.2	149	1.5	175	1.2																
545	1.2D + 1.5Lv (Po...		Y		1	1.2	150	1.5	175	1.2																
546	1.2D + 1.5Lv (Po...		Y		1	1.2	151	1.5	175	1.2																
547	1.2D + 1.5Lv (Po...		Y		1	1.2	152	1.5	175	1.2																
548	1.2D + 1.5Lv (Po...		Y		1	1.2	153	1.5	175	1.2																
549	1.2D + 1.5Lv (Po...		Y		1	1.2	154	1.5	175	1.2																
550	1.2D + 1.5Lv (Po...		Y		1	1.2	155	1.5	175	1.2																
551	1.2D + 1.5Lv (Po...		Y		1	1.2	156	1.5	175	1.2																
552	1.2D + 1.5Lv (Po...		Y		1	1.2	157	1.5	175	1.2																
553	1.2D + 1.5Lv (Po...		Y		1	1.2	158	1.5	175	1.2																
554	1.2D + 1.5Lv (Po...		Y		1	1.2	159	1.5	175	1.2																
555	1.2D + 1.5Lv (Po...		Y		1	1.2	160	1.5	175	1.2																
556	1.2D + 1.5Lv (Po...		Y		1	1.2	161	1.5	175	1.2																
557	1.2D + 1.5Lv (Po...		Y		1	1.2	162	1.5	175	1.2																
558	1.2D + 1.5Lv (Po...		Y		1	1.2	163	1.5	175	1.2																
559	1.2D + 1.5Lv (Po...		Y		1	1.2	164	1.5	175	1.2																
560	1.2D + 1.5Lv (Po...		Y		1	1.2	165	1.5	175	1.2																
561	1.2D + 1.5Lv (Po...		Y		1	1.2	166	1.5	175	1.2																
562	1.2D + 1.5Lv (Po...		Y		1	1.2	167	1.5	175	1.2																
563	1.2D + 1.5Lv (Po...		Y		1	1.2	168	1.5	175	1.2																
564	1.2D + 1.5Lv (Po...		Y		1	1.2	169	1.5	175	1.2																
565	1.2D + 1.5Lv (Po...		Y		1	1.2	170	1.5	175	1.2																
566	1.2D + 1.5Lv (Po...		Y		1	1.2	171	1.5	175	1.2																
567	1.2D + 1.5Lv (Po...		Y		1	1.2	172	1.5	175	1.2																
568	1.2D + 1.5Lv (Po...		Y		1	1.2	173	1.5	175	1.2																
569	1.2D + 1.5Lv (Po...		Y		1	1.2	174	1.5	175	1.2																

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [lb-ft]	LC	MY [lb-ft]	LC	MZ [lb-ft]	LC
1	N53	max	1448.235	8	2333.842	122	801.042	11	967.707	121	547.821	5	3657.248	122
2		min	-1444.555	2	334.046	8	-802.899	5	56.601	43	-547.455	11	447.432	8
3	N110B	max	877.372	8	2219.944	81	861.707	10	2564.065	94	391.372	13	-201.837	3
4		min	-879.061	2	282.783	3	-863.52	4	321.713	4	-391.288	7	-2421.478	81
5	N113	max	498.18	8	2221.882	174	1056.977	12	-369.321	96	321.25	9	-24.883	13
6		min	-500.171	2	294.437	96	-1053.406	6	-3375.074	174	-322.11	3	-1097.499	43
7	Totals:	max	2823.787	8	5073.563	15	2406.655	11						
8		min	-2823.787	2	2728.423	9	-2406.653	5						

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

	Member	Shape	Code C...	Loc[in]	LC	Shear ...	Loc[in]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
1	LAD-H-1	C5X9	.587	19.702	11	.217	3.899	z	5	78451.46	85536	1909.122	11853	1....	H1-1b
2	SA1	HSS4X4X4	.233	0	122	.080	0	y	134	138034.7...	139518	16180.5	16180.5	1....	H1-1b
3	MP6	PIPE_2.0	.230	24.5	2	.045	24.5		13	17855.085	32130	1871.625	1871.625	4....	H1-1b

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

	Member	Shape	Code C...	Loc[in]	LC	Shear ...	Loc[in]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
4	MP10	PIPE_2.0	.228	24.5	7	.043	24.5		5	17855.085	32130	1871.625	1871.625	4....	H1-1b
5	MP7	PIPE_2.0	.226	24.5	9	.042	24.5		10	17855.085	32130	1871.625	1871.625	4....	H1-1b
6	SA2	HSS4X4X4	.218	0	174	.073	0	y	43	138034.7...	139518	16180.5	16180.5	1....	H1-1b
7	MP9	PIPE_2.0	.217	24.5	7	.050	24.5		6	17855.085	32130	1871.625	1871.625	4....	H1-1b
8	SA3	HSS4X4X4	.217	0	80	.075	0	y	94	138034.7...	139518	16180.5	16180.5	1....	H1-1b
9	HR-CORN-3	L2.5x2.5x4	.211	15.5	2	.027	15.5	y	8	36513.147	38556	1113.554	2537.388	1....	H2-1
10	MP5	PIPE_2.0	.210	24.5	2	.049	24.5		2	17855.085	32130	1871.625	1871.625	4....	H1-1b
11	HR-CORN-2	L2.5x2.5x4	.207	15.5	9	.028	15.5	y	3	36513.147	38556	1113.554	2537.388	1....	H2-1
12	MP11	PIPE_2.0	.206	24.5	2	.046	24.5		3	17855.085	32130	1871.625	1871.625	4....	H1-1b
13	MP12	PIPE_2.0	.204	24.5	170	.049	24.5		2	17855.085	32130	1871.625	1871.625	4....	H1-1b
14	MP8	PIPE_2.0	.204	24.5	130	.044	24.5		10	17855.085	32130	1871.625	1871.625	4....	H1-1b
15	MP2	PIPE_2.0	.203	24.5	10	.049	24.5		9	17855.085	32130	1871.625	1871.625	2....	H1-1b
16	HR-CORN-1	L2.5x2.5x4	.202	15.5	6	.028	15.5	y	12	36513.147	38556	1113.554	2537.388	1....	H2-1
17	MP4	PIPE_2.0	.199	24.5	78	.045	24.5		7	17855.085	32130	1871.625	1871.625	3....	H1-1b
18	MP1	PIPE_2.0	.189	24.5	10	.047	24.5		9	17855.085	32130	1871.625	1871.625	1....	H1-1b
19	MP3	PIPE_2.0	.187	24.5	6	.047	24.5		7	17855.085	32130	1871.625	1871.625	2....	H1-1b
20	FM-BOT-0	C5X9	.177	82.25	10	.085	57.281	z	3	40434.588	85536	1909.122	11853	1....	H1-1b
21	FM-BOT-240	C5X9	.176	82.25	6	.080	35.25	y	5	40434.588	85536	1909.122	11853	1....	H1-1b
22	BRACE-2	C5X9	.171	44.708	10	.062	44.708	y	82	70925.1	85536	1909.122	11853	1....	H1-1b
23	FM-BOT-120	C5X9	.167	58.75	11	.099	35.25	y	12	40434.588	85536	1909.122	11093.669	1....	H1-1b
24	BRACE-1	C5X9	.163	44.104	6	.061	44.708	y	174	70925.1	85536	1909.122	11853	1....	H1-1b
25	BRACE-3	C5X9	.163	44.708	4	.218	44.708	y	122	70925.1	85536	1909.122	11853	1....	H1-1b
26	HR-240	PIPE_2.0	.152	125.0...	2	.083	125.0...		9	24281.005	32130	1871.625	1871.625	3....	H1-1b
27	HR-120	PIPE_2.0	.151	94.875	130	.092	125.0...		6	24281.005	32130	1871.625	1871.625	2....	H1-1b
28	HR-0	PIPE_2.0	.146	94.875	79	.093	125.0...		2	24281.005	32130	1871.625	1871.625	2....	H1-1b
29	LAD-H-2	C5X9	.085	0	4	.010	8.445	y	483	64857.143	85536	1909.122	11853	1....	H1-1b
30	LADDER-RU...	SR_0.625_H...	.017	14	10	.025	14		11	6326.389	9946.8	96.768	96.768	2....	H1-1b

RAN Template:	A&L Template:
67D5A997DB Hybrid	67D5997DB_2xAIR+1OP

CT11373A_Anchor_7_draft

Print Name: Preliminary (RFDS_for_Scoping)
PORs: Anchor_Phase 3

Section 1 - Site Information

Site ID: CT11373A
Status: Draft
Version: 7
Project Type: Anchor
Approved: Not Approved
Approved By: Not Approved
Last Modified: 1/19/2021 6:21:41 PM
Last Modified By: Dominic.Kallas2@T-Mobile.com

Site Name: Stamford/MP Exit 35-36
Site Class: Self Support Tower
Site Type: Structure Non Building
Plan Year: 2020
Market: CONNECTICUT CT
Vendor: Ericsson
Landlord: <undefined>

Latitude: 41.11282000
Longitude: -73.53844500
Address: 1590 Newfield Ave.
City, State: Stamford, CT
Region: NORTHEAST

RAN Template: 67D5A997DB Hybrid		**AL Template:** 67D5997DB_2xAIR+1OP		
Sector Count: 3	**Antenna Count:** 9	**Coax Line Count:** 0	**TMA Count:** 0	**RRU Count:** 6

Section 2 - Existing Template Images

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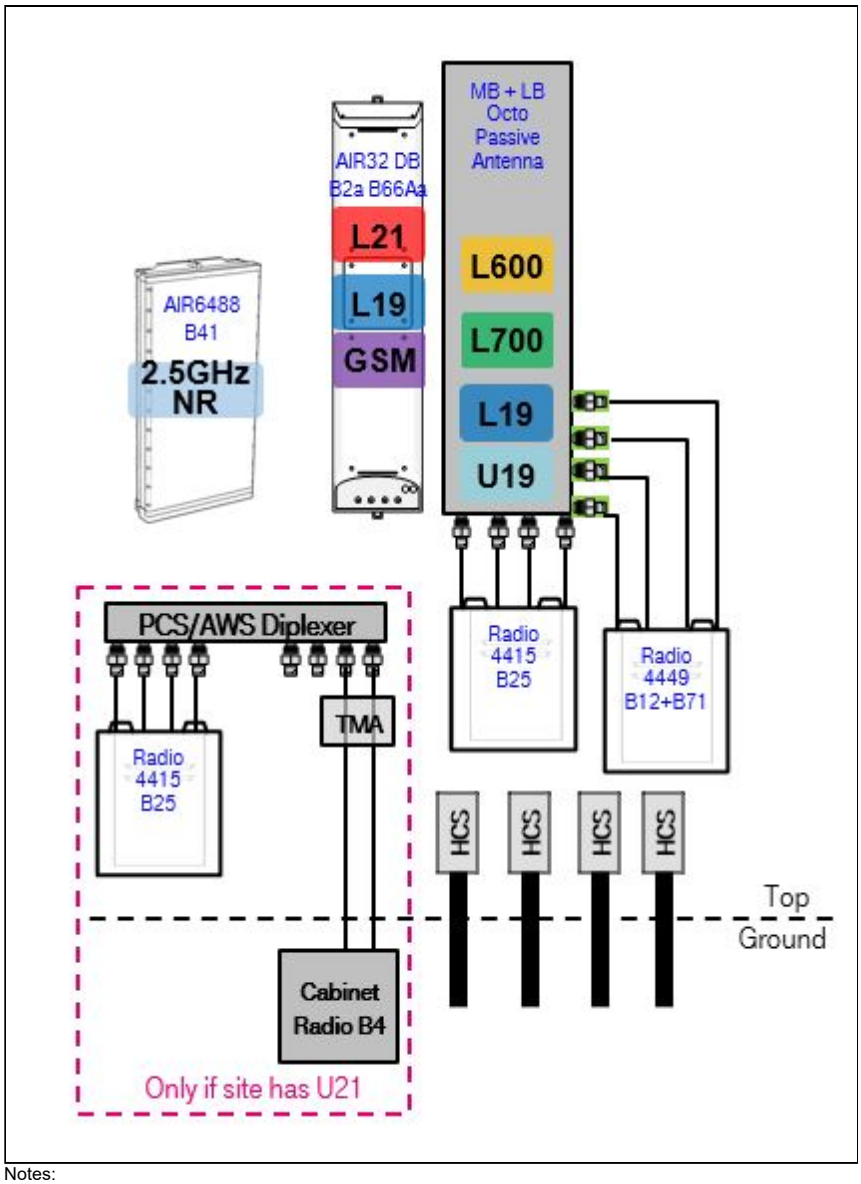
Section 3 - Proposed Template Images

67D5997DB_2xAIR+1OP.JPG



Notes:

Section 4 - Siteplan Images

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RAN Template:	A&L Template:
67D5A997DB Hybrid	67D5997DB_2xAIR+1OP

CT11373A_Anchor_7_draft

Print Name: Preliminary (RFDS_for_Scoping)
PORs: Anchor_Phase 3

Section 5 - RAN Equipment

Existing RAN Equipment

Template: 67D92DB Outdoor

Enclosure	1	2
Enclosure Type	RBS 6102	Ancillary Equipment (Ericsson)
Baseband	DUW30 [U2100]; DUW30; DUG20 [G1900]; BB 6630 [L2100, L1900]; BB 6630 [L700, L600, N600]	
Hybrid Cable System		Ericsson 6x12 HCS *Select Length & AWG* **(x 4)**
Radio	RUS01 B4 **(x 3)** [U2100]	

Proposed RAN Equipment

Template: 67D5A997DB Hybrid

Enclosure	1	2	3
Enclosure Type	RBS 6102	Enclosure 6160	B160
Baseband	DUW30 **(x 2)**; DUG20 [G1900]; BB 6630 [L2100, L1900]; BB 6630 [L700, L600, N600]	BB 6630 [L2500]; BB 6648 [N2500]	
Hybrid Cable System	Ericsson 6x12 HCS *Select Length & AWG* **(x 3)**; Ericsson Hybrid Trunk 6/24 4AWG 70m; Ericsson Hybrid Trunk 6/24 4AWG 40m	Ericsson Hybrid Trunk 6/24 4AWG 40m; PSU 4813	
Radio	RUS01 B4 **(x 3)**		
Transport System		CSR IXRe V2 (Gen2)	

RAN Scope of Work:

Remove Nortel Cabinet.

U2100 will be decommissioned. Cabinet Radios will become unused.

Add (1) Enclosure 6160.

Add (1) Battery Cabinet B160.

Add (1) iXRe Router to new Enclosure 6160.

Add (1) BB6630 for L2500 to new Enclosure 6160.

Add (1) BB6648 for N2500 to new Enclosure 6160.

Add (1) PSU4813 Voltage Booster to new Enclosure 6160.

Existing: (12) Coaxial Lines; (3) 6x12 HCS

Remove all coaxial lines.

Add (3) 6X24 HCS as follows: (2) terminating at the RBS6102; terminating at the Enclosure 6160. Length of new HCS will match that of existing HCS. Connect DC for the AIR6449 B41 to the PSU4813 Voltage Booster.

RAN Template:	A&L Template:
67D5A997DB Hybrid	67D5997DB_2xAIR+1OP

CT11373A_Anchor_7_draft

Print Name: Preliminary (RFDS_for_Scoping)
PORs: Anchor_Phase 3

Section 6 - A&L Equipment

Existing Template: 67D92DB_2xAIR+1OP
Proposed Template: 67D5997DB_2xAIR+1OP

Sector 1 (Existing) view from behind

Coverage Type	A - Outdoor Macro									
Antenna	1		2				3			
Antenna Model	Ericsson - AIR21 KRC118023-1_B2A_B4P (Quad)		Ericsson - AIR32 KRD901146-1_B66A_B2A (Octo)				RFS - APXVAARR24_43-U-NA20 (Octo)			
Azimuth	60		60				60			
M. Tilt							0			
Height	132		132				159			
Ports	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10
Active Tech.	G1900	U2100	L2100	L2100	L1900	L1900	L700 L600 N600	L700 L600 N600		
Dark Tech.										
Restricted Tech.										
Decomm. Tech.										
E. Tilt										
Cables		1-5/8" Coax - 220 ft. **(x2)**	Fiber Jumper		Fiber Jumper		Generic Feeder Coax **(x2)**	Generic Feeder Coax **(x2)**		
TMAs		Generic Twin Style 1B - AWS (AtAntenna)								
Diplexers / Combiners										
Radio							Radio 4449 B71+B85 (At Cabinet)	SHARED Radio 4449 B71+B85 (At Cabinet)		
Sector Equipment										

Unconnected Equipment:

Scope of Work:

*A dashed border indicates shared equipment. Any connected equipment is denoted with the SHARED keyword.

RAN Template:	A&L Template:
67D5A997DB Hybrid	67D5997DB_2xAIR+1OP

CT11373A_Anchor_7_draft

Print Name: Preliminary (RFDS_for_Scoping)
PORs: Anchor_Phase 3

Sector 1 (Proposed) view from behind

Coverage Type	A - Outdoor Macro										
Antenna	1		2				3				
Antenna Model	Ericsson - AIR6449 B41 (Active Antenna - Massive MIMO)		Ericsson - AIR32 KRD901146-1_B66A_B2A (Octo)				RFS - APXVAARR24_43-U-NA20 (Octo)				
Azimuth	60		60				60				
M. Tilt	0		0				0				
Height	132		132				159				
Ports	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	
Active Tech.	L2500 N2500	L2500 N2500	L2100	L2100	G1900 L1900	L1900	L700 L600 N600	L700 L600 N600	L1900	L1900	
Dark Tech.											
Restricted Tech.											
Decomm. Tech.											
E. Tilt											
Cables	Fiber Jumper **(x2)**	Fiber Jumper **(x2)**	Fiber Jumper	Fiber Jumper	Fiber Jumper	Fiber Jumper	Coax Jumper **(x2)** Fiber Jumper	Coax Jumper **(x2)** Fiber Jumper	Coax Jumper **(x2)** Fiber Jumper	Coax Jumper **(x2)** Fiber Jumper	
TMAs											
Diplexers / Combiners											
Radio							Radio 4449 B71+B85 (At Antenna)	SHARED Radio 4449 B71+B85 (At Antenna)	Radio 4415 B25 (At Antenna)	SHARED Radio 4415 B25 (At Antenna)	
Sector Equipment											

Unconnected Equipment:

Scope of Work:

Remove AIR21 B2A/B4P from Position 1.

Remove AWS TMA from Position 1.

Remove all coaxial lines.

Install (1) AIR6449 B41 for L2500 and N2500 in Position 1.

Move GSM to AIR32 Dual Band antenna in Position 2. GSM will share B2 radios with L1900 1st Carrier.

Add (1) Radio 4415 B25 for L1900 2nd Carrier to Position 3 at antenna, and connect its ports to the Mid-Band ports of the Octo Antenna.

Ensure RET control is enabled for all technology layers according to the Design Documents.

*A dashed border indicates shared equipment. Any connected equipment is denoted with the SHARED keyword.

RAN Template:	A&L Template:
67D5A997DB Hybrid	67D5997DB_2xAIR+1OP

CT11373A_Anchor_7_draft

Print Name: Preliminary (RFDS_for_Scoping)
PORs: Anchor_Phase 3

Sector 2 (Existing) view from behind

Coverage Type	A - Outdoor Macro									
Antenna	1		2				3			
Antenna Model	Ericsson - AIR21 KRC118023-1_B2A_B4P (Quad)		Ericsson - AIR32 KRD901146-1_B66A_B2A (Octo)				RFS - APXVAARR24_43-U-NA20 (Octo)			
Azimuth	180		180				180			
M. Tilt							0			
Height	132		132				159			
Ports	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10
Active Tech.	G1900	U2100	L2100	L2100	L1900	L1900	L700 L600 N600	L700 L600 N600		
Dark Tech.										
Restricted Tech.										
Decomm. Tech.										
E. Tilt										
Cables		1-5/8" Coax - 220 ft. **(x2)**	Fiber Jumper		Fiber Jumper		Generic Feeder Coax **(x2)**	Generic Feeder Coax **(x2)**		
TMAs		Generic Twin Style 1B - AWS (AtAntenna)								
Diplexers / Combiners										
Radio							Radio 4449 B71+B85 (At Cabinet)	SHARED Radio 4449 B71+B85 (At Cabinet)		
Sector Equipment										

Unconnected Equipment:

Scope of Work:

*A dashed border indicates shared equipment. Any connected equipment is denoted with the SHARED keyword.

RAN Template:	A&L Template:
67D5A997DB Hybrid	67D5997DB_2xAIR+1OP

CT11373A_Anchor_7_draft

Print Name: Preliminary (RFDS_for_Scoping)
PORs: Anchor_Phase 3

Sector 2 (Proposed) view from behind

Coverage Type	A - Outdoor Macro										
Antenna	1		2				3				
Antenna Model	Ericsson - AIR6449 B41 (Active Antenna - Massive MIMO)		Ericsson - AIR32 KRD901146-1_B66A_B2A (Octo)				RFS - APXVAARR24_43-U-NA20 (Octo)				
Azimuth	180		180				180				
M. Tilt	0		0				0				
Height	132		132				159				
Ports	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	
Active Tech.	L2500 N2500	L2500 N2500	L2100	L2100	L1900 G1900	L1900	L700 L600 N600	L700 L600 N600	L1900	L1900	
Dark Tech.											
Restricted Tech.											
Decomm. Tech.											
E. Tilt											
Cables	Fiber Jumper **(x2)**	Fiber Jumper **(x2)**	Fiber Jumper	Fiber Jumper	Fiber Jumper	Fiber Jumper	Coax Jumper **(x2)** Fiber Jumper	Coax Jumper **(x2)** Fiber Jumper	Coax Jumper **(x2)** Fiber Jumper	Coax Jumper **(x2)** Fiber Jumper	
TMAs											
Diplexers / Combiners											
Radio							Radio 4449 B71+B85 (At Antenna)	SHARED Radio 4449 B71+B85 (At Antenna)	Radio 4415 B25 (At Antenna)	SHARED Radio 4415 B25 (At Antenna)	
Sector Equipment											

Unconnected Equipment:

Scope of Work:

Remove AIR21 B2A/B4P from Position 1.

Remove AWS TMA from Position 1.

Remove all coaxial lines.

Install (1) AIR6449 B41 for L2500 and N2500 in Position 1.

Move GSM to AIR32 Dual Band antenna in Position 2. GSM will share B2 radios with L1900 1st Carrier.

Add (1) Radio 4415 B25 for L1900 2nd Carrier to Position 3 at antenna, and connect its ports to the Mid-Band ports of the Octo Antenna.

Ensure RET control is enabled for all technology layers according to the Design Documents.

*A dashed border indicates shared equipment. Any connected equipment is denoted with the SHARED keyword.

RAN Template:	A&L Template:
67D5A997DB Hybrid	67D5997DB_2xAIR+1OP

CT11373A_Anchor_7_draft

Print Name: Preliminary (RFDS_for_Scoping)
PORs: Anchor_Phase 3

Sector 3 (Existing) view from behind

Coverage Type	A - Outdoor Macro									
Antenna	1		2				3			
Antenna Model	Ericsson - AIR21 KRC118023-1_B2A_B4P (Quad)		Ericsson - AIR32 KRD901146-1_B66A_B2A (Octo)				RFS - APXVAARR24_43-U-NA20 (Octo)			
Azimuth	300		300				300			
M. Tilt							0			
Height	132		132				159			
Ports	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10
Active Tech.	G1900	U2100	L2100	L2100	L1900	L1900	L700 L600 N600	L700 L600 N600		
Dark Tech.										
Restricted Tech.										
Decomm. Tech.										
E. Tilt										
Cables		1-5/8" Coax - 220 ft. **(x2)**	Fiber Jumper		Fiber Jumper		Generic Feeder Coax **(x2)**	Generic Feeder Coax **(x2)**		
TMAs		Generic Twin Style 1B - AWS (AtAntenna)								
Diplexers / Combiners										
Radio							Radio 4449 B71+B85 (At Cabinet)	SHARED Radio 4449 B71+B85 (At Cabinet)		
Sector Equipment										

Unconnected Equipment:

Scope of Work:

*A dashed border indicates shared equipment. Any connected equipment is denoted with the SHARED keyword.

RAN Template:	A&L Template:
67D5A997DB Hybrid	67D5997DB_2xAIR+1OP

CT11373A_Anchor_7_draft

Print Name: Preliminary (RFDS_for_Scoping)
PORs: Anchor_Phase 3

Sector 3 (Proposed) view from behind

Coverage Type	A - Outdoor Macro										
Antenna	1		2				3				
Antenna Model	Ericsson - AIR6449 B41 (Active Antenna - Massive MIMO)		Ericsson - AIR32 KRD901146-1_B66A_B2A (Octo)				RFS - APXVAARR24_43-U-NA20 (Octo)				
Azimuth	300		300				300				
M. Tilt	0		0				0				
Height	132		132				159				
Ports	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	
Active Tech.	L2500 N2500	L2500 N2500	L2100	L2100	L1900 G1900	L1900	L700 L600 N600	L700 L600 N600	L1900	L1900	
Dark Tech.											
Restricted Tech.											
Decomm. Tech.											
E. Tilt											
Cables	Fiber Jumper **(x2)**	Fiber Jumper **(x2)**	Fiber Jumper	Fiber Jumper	Fiber Jumper	Fiber Jumper	Coax Jumper **(x2)** Fiber Jumper	Coax Jumper **(x2)** Fiber Jumper	Coax Jumper **(x2)** Fiber Jumper	Coax Jumper **(x2)** Fiber Jumper	
TMAs											
Diplexers / Combiners											
Radio							Radio 4449 B71+B85 (At Antenna)	SHARED Radio 4449 B71+B85 (At Antenna)	Radio 4415 B25 (At Antenna)	SHARED Radio 4415 B25 (At Antenna)	
Sector Equipment											

Unconnected Equipment:

Scope of Work:

Remove AIR21 B2A/B4P from Position 1.

Remove AWS TMA from Position 1.

Remove all coaxial lines.

Install (1) AIR6449 B41 for L2500 and N2500 in Position 1.

Move GSM to AIR32 Dual Band antenna in Position 2. GSM will share B2 radios with L1900 1st Carrier.

Add (1) Radio 4415 B25 for L1900 2nd Carrier to Position 3 at antenna, and connect its ports to the Mid-Band ports of the Octo Antenna.

Ensure RET control is enabled for all technology layers according to the Design Documents.

*A dashed border indicates shared equipment. Any connected equipment is denoted with the SHARED keyword.

RAN Template:	A&L Template:
67D5A997DB Hybrid	67D5997DB_2xAIR+1OP

CT11373A_Anchor_7_draft

Print Name: Preliminary (RFDS_for_Scoping)
PORs: Anchor_Phase 3

Section 7 - Power Systems Equipment

Existing Power Systems Equipment

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Proposed Power Systems Equipment

EBI Consulting

environmental | engineering | due diligence

RADIO FREQUENCY EMISSIONS ANALYSIS REPORT
EVALUATION OF HUMAN EXPOSURE POTENTIAL TO NON-IONIZING EMISSIONS

T-Mobile Existing Facility

Site ID: CT11373A

Stamford/MP Exit 35-36
1590 Newfield Avenue
Stamford, Connecticut 06905

May 3, 2021

EBI Project Number: 6221002099

Site Compliance Summary	
Compliance Status:	**COMPLIANT**
Site total MPE% of FCC general population allowable limit:	**20.34%**

May 3, 2021

T-Mobile
Attn: Jason Overbey, RF Manager
35 Griffin Road South
Bloomfield, Connecticut 06002

Emissions Analysis for Site: CT11373A - Stamford/MP Exit 35-36

EBI Consulting was directed to analyze the proposed T-Mobile facility located at **1590 Newfield Avenue** in **Stamford, Connecticut** for the purpose of determining whether the emissions from the Proposed T-Mobile Antenna Installation located on this property are within specified federal limits.

All information used in this report was analyzed as a percentage of current Maximum Permissible Exposure (% MPE) as listed in the FCC OET Bulletin 65 Edition 97-01and ANSI/IEEE Std C95.1. The FCC regulates Maximum Permissible Exposure in units of microwatts per square centimeter ($\mu W/cm^2$). The number of $\mu W/cm^2$ calculated at each sample point is called the power density. The exposure limit for power density varies depending upon the frequencies being utilized. Wireless Carriers and Paging Services use different frequency bands each with different exposure limits; therefore, it is necessary to report results and limits in terms of percent MPE rather than power density.

All results were compared to the FCC (Federal Communications Commission) radio frequency exposure rules, 47 CFR 1.1307(b)(1) – (b)(3), to determine compliance with the Maximum Permissible Exposure (MPE) limits for General Population/Uncontrolled environments as defined below.

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

Public exposure to radio frequencies is regulated and enforced in units of microwatts per square centimeter ($\mu W/cm^2$). The general population exposure limits for the 600 MHz and 700 MHz frequency bands are approximately 400 $\mu W/cm^2$ and 467 $\mu W/cm^2$, respectively. The general population exposure limit for the 1900 MHz (PCS), 2100 MHz (AWS) and 11 GHz frequency bands is 1000 $\mu W/cm^2$. Because each carrier will be using different frequency bands, and each frequency band has different exposure limits, it is necessary to report percent of MPE rather than power density.

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

Additional details can be found in FCC OET 65.

CALCULATIONS

Calculations were done for the proposed T-Mobile Wireless antenna facility located at 1590 Newfield Avenue in Stamford, Connecticut using the equipment information listed below. All calculations were performed per the specifications under FCC OET 65. Since T-Mobile is proposing highly focused directional panel antennas, which project most of the emitted energy out toward the horizon, all calculations were performed assuming a lobe representing the maximum gain of the antenna per the antenna manufacturer's supplied specifications, minus 10 dB for directional panel antennas and 20 dB for highly focused parabolic microwave dishes, was focused at the base of the tower. For this report, the sample point is the top of a 6-foot person standing at the base of the tower. For power density calculations, the broadcast footprint of the AIR6449 antenna has been considered. Due to the beamforming nature of this antenna, the actual beam locations vary depending on demand and are narrow in nature. Using the broadcast footprint accounts for the potential location of beams at any given time.

For all calculations, all equipment was calculated using the following assumptions:

1) 2 LTE channels (600 MHz Band) were considered for each sector of the proposed installation. These Channels have a transmit power of 30 Watts per Channel.

2) 1 NR channel (600 MHz Band) was considered for each sector of the proposed installation. This Channel has a transmit power of 80 Watts.

3) 2 LTE channels (700 MHz Band) were considered for each sector of the proposed installation. These Channels have a transmit power of 30 Watts per Channel.

4) 4 GSM channels (PCS Band - 1900 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 30 Watts per Channel.

5) 4 LTE channels (PCS Band - 1900 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 60 Watts per Channel.

6) 2 LTE channels (AWS Band – 2100 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 60 Watts per Channel.

7) 1 LTE channel (BRS Band - 2500 MHz) was considered for each sector of the proposed installation. This Channel has a transmit power of 120 Watts.

8) 1 NR channel (BRS Band - 2500 MHz) was considered for each sector of the proposed installation. This Channel has a transmit power of 120 Watts.

9) All radios at the proposed installation were considered to be running at full power and were uncombined in their RF transmissions paths per carrier prescribed configuration. Per FCC OET Bulletin No. 65 - Edition 97-01 recommendations to achieve the maximum anticipated value at each sample point, all power levels emitting from the proposed antenna installation are increased by a factor of 2.56 to account for possible in-phase reflections from the surrounding environment. This is rarely the case, and if so, is never continuous.

10) For the following calculations, the sample point was the top of a 6-foot person standing at the base of the tower. The maximum gain of the antenna per the antenna manufacturer's supplied specifications, minus 10 dB for directional panel antennas and 20 dB for highly focused parabolic microwave dishes, was used in this direction. This value is a very conservative estimate as gain reductions for these particular antennas are typically much higher in this direction.

11) The antennas used in this modeling are the Ericsson AIR 6449 for the 2500 MHz / 2500 MHz channel(s), the Ericsson AIR 32 for the 1900 MHz / 1900 MHz / 2100 MHz channel(s), the RFS APXVAARR24_43-U-NA20 for the 600 MHz / 600 MHz / 700 MHz / 1900 MHz channel(s) in Sector A, the Ericsson AIR 6449 for the 2500 MHz / 2500 MHz channel(s), the Ericsson AIR 32 for the 1900 MHz / 1900 MHz / 2100 MHz channel(s), the RFS APXVAARR24_43-U-NA20 for the 600 MHz / 600 MHz / 700 MHz / 1900 MHz channel(s) in Sector B, the Ericsson AIR 6449 for the 2500 MHz / 2500 MHz channel(s), the Ericsson AIR 32 for the 1900 MHz / 1900 MHz / 2100 MHz channel(s), the RFS APXVAARR24_43-U-NA20 for the 600 MHz / 600 MHz / 700 MHz / 1900 MHz channel(s) in Sector C. This is based on feedback from the carrier with regard to anticipated antenna selection. All Antenna gain values and associated transmit power levels are shown in the Site Inventory and Power Data table below. The maximum gain of the antenna per the antenna manufacturer's supplied specifications, minus 10 dB for directional panel antennas and 20 dB for highly focused parabolic microwave dishes, was used for all calculations. This value is a very conservative estimate as gain reductions for these particular antennas are typically much higher in this direction.

12) The antenna mounting height centerlines of the proposed antennas is 132 and 160 feet above ground level (AGL).

13) Emissions values for additional carriers were taken from the Connecticut Siting Council active database. Values in this database are provided by the individual carriers themselves.

14) All calculations were done with respect to uncontrolled / general population threshold limits.

T-Mobile Site Inventory and Power Data

Sector:	A	Sector:	B	Sector:	C
Antenna #:	1	Antenna #:	1	Antenna #:	1
Make / Model:	Ericsson AIR 6449	Make / Model:	Ericsson AIR 6449	Make / Model:	Ericsson AIR 6449
Frequency Bands:	2500 MHz / 2500 MHz	Frequency Bands:	2500 MHz / 2500 MHz	Frequency Bands:	2500 MHz / 2500 MHz
Gain:	17.3 dBd / 17.3 dBd	Gain:	17.3 dBd / 17.3 dBd	Gain:	17.3 dBd / 17.3 dBd
Height (AGL):	132 feet	Height (AGL):	132 feet	Height (AGL):	132 feet
Channel Count:	2	Channel Count:	2	Channel Count:	2
Total TX Power (W):	240 Watts	Total TX Power (W):	240 Watts	Total TX Power (W):	240 Watts
ERP (W):	12,888.76	ERP (W):	12,888.76	ERP (W):	12,888.76
Antenna A1 MPE %:	**2.92%**	Antenna B1 MPE %:	**2.92%**	Antenna C1 MPE %:	**2.92%**
Antenna #:	2	Antenna #:	2	Antenna #:	2
Make / Model:	Ericsson AIR 32	Make / Model:	Ericsson AIR 32	Make / Model:	Ericsson AIR 32
Frequency Bands:	1900 MHz / 1900 MHz / 2100 MHz	Frequency Bands:	1900 MHz / 1900 MHz / 2100 MHz	Frequency Bands:	1900 MHz / 1900 MHz / 2100 MHz
Gain:	15.35 dBd / 15.35 dBd / 15.85 dBd	Gain:	15.35 dBd / 15.35 dBd / 15.85 dBd	Gain:	15.35 dBd / 15.35 dBd / 15.85 dBd
Height (AGL):	132 feet	Height (AGL):	132 feet	Height (AGL):	132 feet
Channel Count:	8	Channel Count:	8	Channel Count:	8
Total TX Power (W):	360 Watts	Total TX Power (W):	360 Watts	Total TX Power (W):	360 Watts
ERP (W):	12,841.53	ERP (W):	12,841.53	ERP (W):	12,841.53
Antenna A2 MPE %:	**2.91%**	Antenna B2 MPE %:	**2.91%**	Antenna C2 MPE %:	**2.91%**
Antenna #:	3	Antenna #:	3	Antenna #:	3
Make / Model:	RFS APXVAARR24_43-U-NA20	Make / Model:	RFS APXVAARR24_43-U-NA20	Make / Model:	RFS APXVAARR24_43-U-NA20
Frequency Bands:	600 MHz / 600 MHz / 700 MHz / 1900 MHz	Frequency Bands:	600 MHz / 600 MHz / 700 MHz / 1900 MHz	Frequency Bands:	600 MHz / 600 MHz / 700 MHz / 1900 MHz
Gain:	12.95 dBd / 12.95 dBd / 13.35 dBd / 15.65 dBd	Gain:	12.95 dBd / 12.95 dBd / 13.35 dBd / 15.65 dBd	Gain:	12.95 dBd / 12.95 dBd / 13.35 dBd / 15.65 dBd
Height (AGL):	160 feet	Height (AGL):	160 feet	Height (AGL):	160 feet
Channel Count:	7	Channel Count:	7	Channel Count:	7
Total TX Power (W):	320 Watts	Total TX Power (W):	320 Watts	Total TX Power (W):	320 Watts
ERP (W):	8,466.41	ERP (W):	8,466.41	ERP (W):	8,466.41
Antenna A3 MPE %:	**2.14%**	Antenna B3 MPE %:	**2.14%**	Antenna C3 MPE %:	**2.14%**

Site Composite MPE %	
Carrier	**MPE %**
T-Mobile (Max at Sector A):	7.96%
Sensus (CL&P)	0.12%
AT&T	5.53%
Clearwire	0.11%
Nextel	0.76%
Sprint	3.78%
Verizon	2.08%
Site Total MPE % :	20.34%

T-Mobile MPE % Per Sector	
T-Mobile Sector A Total:	7.96%
T-Mobile Sector B Total:	7.96%
T-Mobile Sector C Total:	7.96%
Site Total MPE % :	20.34%

T-Mobile Maximum MPE Power Values (Sector A)

T-Mobile Frequency Band / Technology (Sector A)	# Channels	Watts ERP (Per Channel)	Height (feet)	Total Power Density (μW/cm²)	Frequency (MHz)	Allowable MPE (μW/cm²)	Calculated % MPE
T-Mobile 2500 MHz LTE	1	6444.38	132.0	14.59	2500 MHz LTE	1000	1.46%
T-Mobile 2500 MHz NR	1	6444.38	132.0	14.59	2500 MHz NR	1000	1.46%
T-Mobile 1900 MHz GSM	4	1028.30	132.0	9.31	1900 MHz GSM	1000	0.93%
T-Mobile 1900 MHz LTE	2	2056.61	132.0	9.31	1900 MHz LTE	1000	0.93%
T-Mobile 2100 MHz LTE	2	2307.55	132.0	10.45	2100 MHz LTE	1000	1.05%
T-Mobile 600 MHz LTE	2	591.73	160.0	1.79	600 MHz LTE	400	0.45%
T-Mobile 600 MHz NR	1	1577.94	160.0	2.39	600 MHz NR	400	0.60%
T-Mobile 700 MHz LTE	2	648.82	160.0	1.97	700 MHz LTE	467	0.42%
T-Mobile 1900 MHz LTE	2	2203.69	160.0	6.68	1900 MHz LTE	1000	0.67%
						Total:	**7.96%**

• NOTE: Totals may vary by approximately 0.01% due to summation of remainders in calculations.

Summary

All calculations performed for this analysis yielded results that were **within** the allowable limits for general population exposure to RF Emissions.

The anticipated maximum composite contributions from the T-Mobile facility as well as the site composite emissions value with regards to compliance with FCC's allowable limits for general population exposure to RF Emissions are shown here:

T-Mobile Sector	Power Density Value (%)
Sector A:	7.96%
Sector B:	7.96%
Sector C:	7.96%
T-Mobile Maximum MPE % (Sector A):	7.96%
Site Total:	20.34%
Site Compliance Status:	**COMPLIANT**

The anticipated composite MPE value for this site assuming all carriers present is **20.34%** of the allowable FCC established general population limit sampled at the ground level. This is based upon values listed in the Connecticut Siting Council database for existing carrier emissions.

FCC guidelines state that if a site is found to be out of compliance (over allowable thresholds), that carriers over a 5% contribution to the composite value will require measures to bring the site into compliance. For this facility, the composite values calculated were well within the allowable 100% threshold standard per the federal government.